

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083082.D
 Acq On : 20 Nov 2015 15:24
 Operator : UM/IZ
 Sample : G4452-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Quant Time: Nov 20 23:29:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	150637	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	570078	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	273625	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	430072	20.00	ng	0.00
75) Chrysene-d12	13.86	240	377400	20.00	ng	0.00
86) Perylene-d12	15.24	264	315817	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1168014	120.43	ng	0.02
7) Phenol-d6	6.36	99	1473397	115.35	ng	0.01
23) Nitrobenzene-d5	7.28	82	1050070	84.33	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	220032	75.74	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1573911	77.47	ng	-0.01
78) Terphenyl-d14	12.81	244	1218300	76.21	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	150424	34.20	ng	99
3) Pyridine	2.90	79	417825	35.05	ng	98
4) n-Nitrosodimethylamine	2.84	42	225317	37.36	ng	97
6) Aniline	6.36	93	498174	28.51	ng	95
8) 2-Chlorophenol	6.49	128	388853	35.95	ng	94
9) Benzaldehyde	6.24	77	384694	69.53	ng	98
10) Phenol	6.37	94	656506	44.11	ng	94
11) bis(2-Chloroethyl)ether	6.44	93	422836	39.10	ng	98
12) 1,3-Dichlorobenzene	6.65	146	462955	38.23	ng	98
13) 1,4-Dichlorobenzene	6.72	146	448875	36.60	ng	99
14) 1,2-Dichlorobenzene	6.88	146	477855	42.16	ng	98
15) Benzyl Alcohol	6.85	79	457010	43.49	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	693234	41.12	ng	91
17) 2-Methylphenol	6.98	107	344288	38.12	ng	98
18) Hexachloroethane	7.22	117	138038	30.62	ng	# 87
19) n-Nitroso-di-n-propylamine	7.13	70	337820	36.19	ng	98
20) 3+4-Methylphenols	7.14	107	458932	38.97	ng	97
22) Acetophenone	7.12	105	615710	38.56	ng	98
24) Nitrobenzene	7.29	77	468611	37.30	ng	98
25) Isophorone	7.54	82	924784	39.37	ng	96
26) 2-Nitrophenol	7.61	139	113800	20.71	ng	88
27) 2,4-Dimethylphenol	7.66	122	359554	39.61	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	586671	44.58	ng	100
29) 2,4-Dichlorophenol	7.86	162	334131	37.97	ng	99
30) 1,2,4-Trichlorobenzene	7.94	180	409053	41.97	ng	98
31) Naphthalene	8.02	128	1504557	50.65	ng	100
32) Benzoic acid	7.73	122	14900	2.70	ng	97
33) 4-Chloroaniline	8.06	127	369829	28.63	ng	96
34) Hexachlorobutadiene	8.14	225	247242	40.60	ng	98
35) Caprolactam	8.44	113	107519	38.43	ng	# 74
36) 4-Chloro-3-methylphenol	8.57	107	364411	35.82	ng	94
37) 2-Methylnaphthalene	8.70	142	1354934	68.52	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	385203	42.69	ng	98
40) Hexachlorocyclopentadiene	8.86	237	112344	26.72	ng	100

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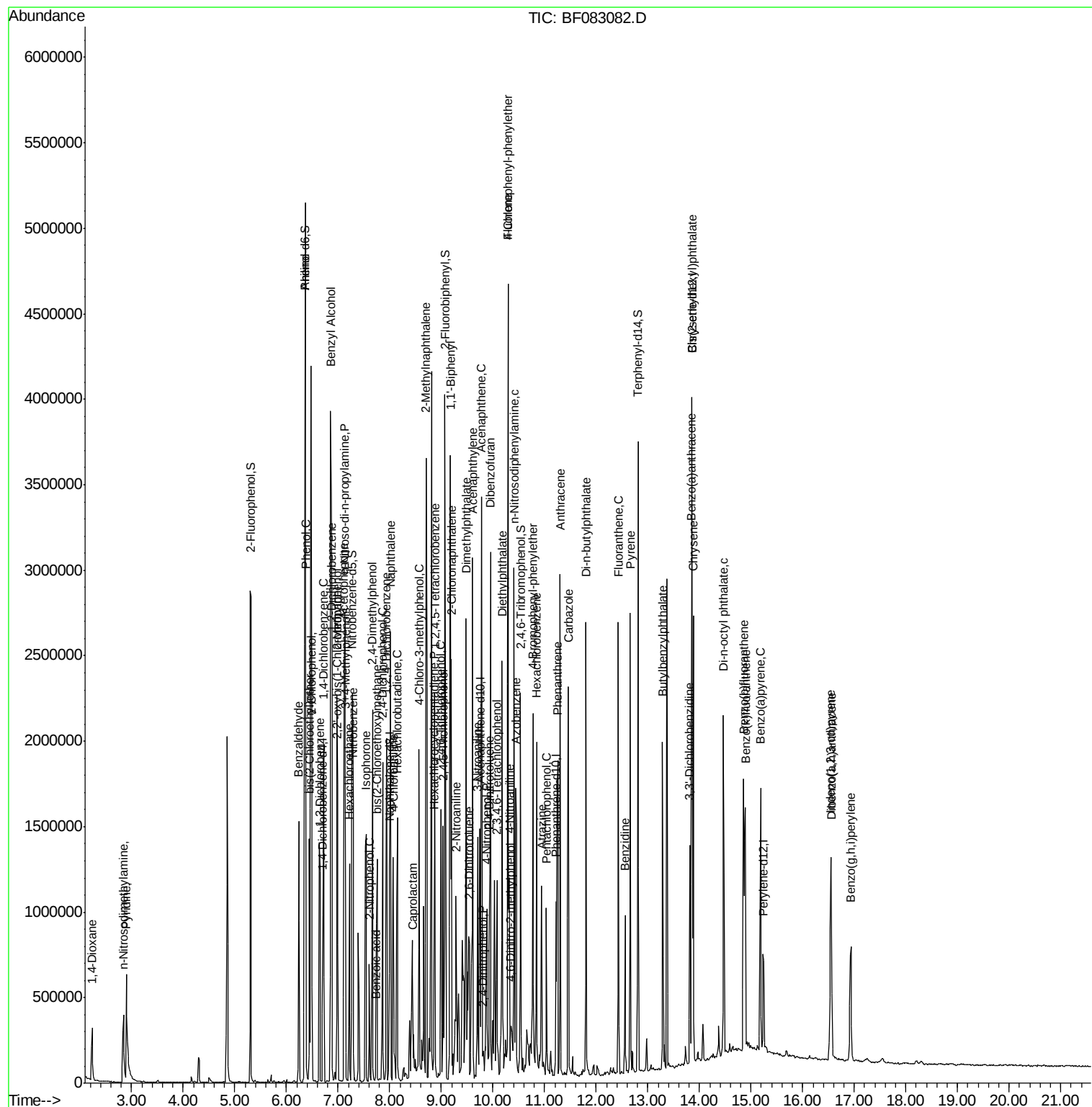
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	203858	31.14	nq	97
43) 2,4,5-Trichlorophenol	9.04	196	208588	31.95	nq #	92
45) 1,1'-Biphenyl	9.17	154	1020955	42.41	nq	99
46) 2-Chloronaphthalene	9.20	162	789819	43.12	nq	98
47) 2-Nitroaniline	9.29	65	242866	35.15	nq	97
48) Acenaphthylene	9.61	152	1190456	39.49	nq	99
49) Dimethylphthalate	9.48	163	1344150	59.69	nq	99
50) 2,6-Dinitrotoluene	9.54	165	130306	26.84	nq #	84
51) Acenaphthene	9.78	154	708296	37.17	nq	99
52) 3-Nitroaniline	9.70	138	190285	34.36	nq	99
53) 2,4-Dinitrophenol	9.81	184	19103	7.72	nq #	74
54) Dibenzofuran	9.95	168	1002162	39.25	nq	99
55) 4-Nitrophenol	9.88	139	139023	36.57	nq	89
56) 2,4-Dinitrotoluene	9.94	165	172304	26.52	nq #	84
57) Fluorene	10.29	166	822645	40.04	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	147100	27.88	nq #	98
59) Diethylphthalate	10.18	149	868328	39.54	nq	99
60) 4-Chlorophenyl-phenylether	10.29	204	377519	39.24	nq	99
61) 4-Nitroaniline	10.32	138	214563	37.94	nq	93
62) Azobenzene	10.44	77	924783	37.59	nq	85
64) 4,6-Dinitro-2-methylphenol	10.35	198	22696	8.28	nq #	1
65) n-Nitrosodiphenylamine	10.41	169	709011	47.05	nq	98
66) 4-Bromophenyl-phenylether	10.77	248	205164	41.19	nq	99
67) Hexachlorobenzene	10.84	284	224523	41.21	nq	98
68) Atrazine	10.94	200	195709	41.45	nq	93
69) Pentachlorophenol	11.04	266	108312	38.95	nq	96
70) Phenanthrene	11.25	178	1079229	41.59	nq	99
71) Anthracene	11.30	178	1046141	40.02	nq	99
72) Carbazole	11.46	167	989857	43.32	nq	99
73) Di-n-butylphthalate	11.80	149	1238216	42.97	nq	100
74) Fluoranthene	12.43	202	1012807	37.45	nq	99
76) Benzidine	12.56	184	337451	27.33	nq	97
77) Pyrene	12.66	202	1095632	41.24	nq	100
79) Butylbenzylphthalate	13.29	149	449590	38.29	nq	99
80) Benzo(a)anthracene	13.85	228	965676	40.26	nq	99
81) 3,3'-Dichlorobenzidine	13.81	252	255232	31.61	nq #	94
82) Chrysene	13.88	228	859014m	39.06	nq	
83) Bis(2-ethylhexyl)phthalate	13.86	149	678997	44.23	nq	99
84) Di-n-octyl phthalate	14.47	149	1074048	42.95	nq	98
85) Indeno(1,2,3-cd)pyrene	16.55	276	701670	39.22	nq	98
87) Benzo(b)fluoranthene	14.85	252	802746m	36.35	nq	
88) Benzo(k)fluoranthene	14.89	252	807385m	48.00	nq	
89) Benzo(a)pyrene	15.19	252	737414	41.61	nq	99
90) Dibenzo(a,h)anthracene	16.56	278	601881	39.03	nq	99
91) Benzo(g,h,i)perylene	16.93	276	573722	38.14	nq	99

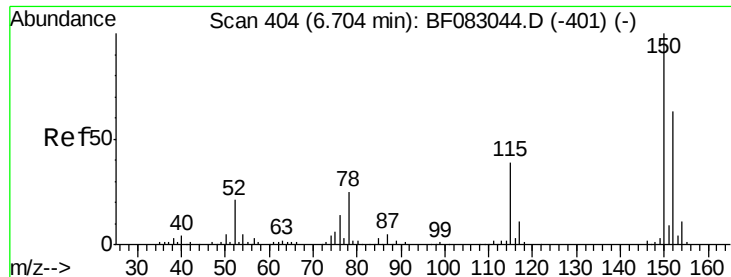
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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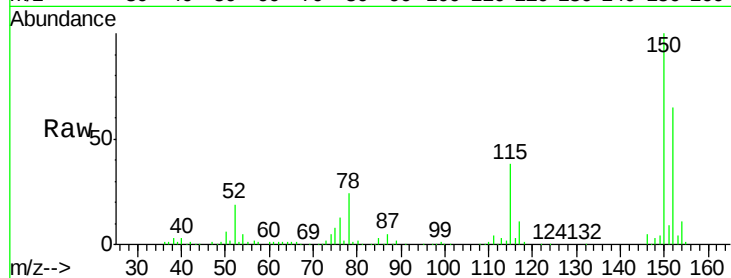


#1

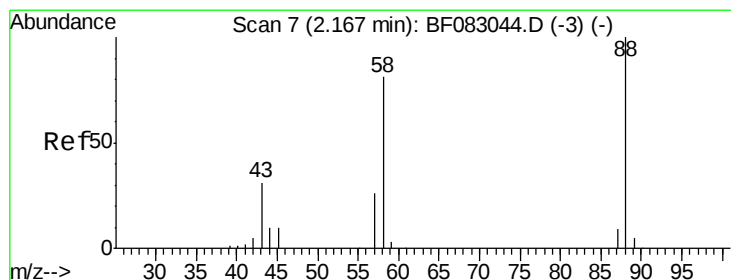
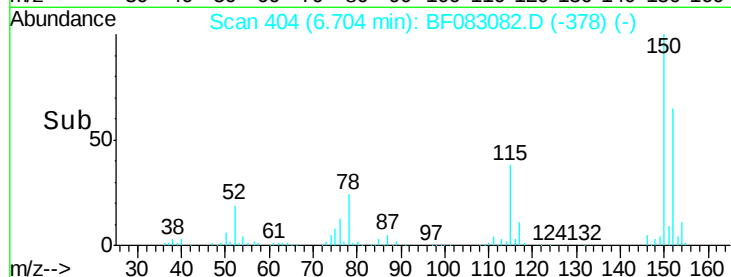
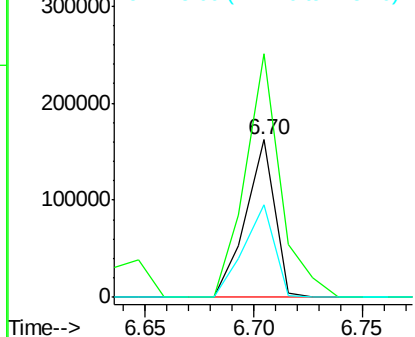
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

Tot Ion:152 Resp: 150637
Ion Ratio Lower Upper
152 100
150 154.8 126.4 189.6
115 59.2 49.0 73.6



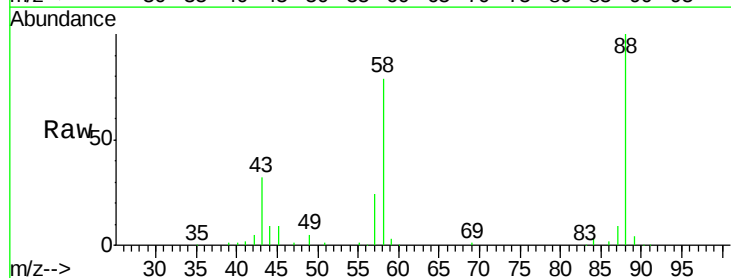
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



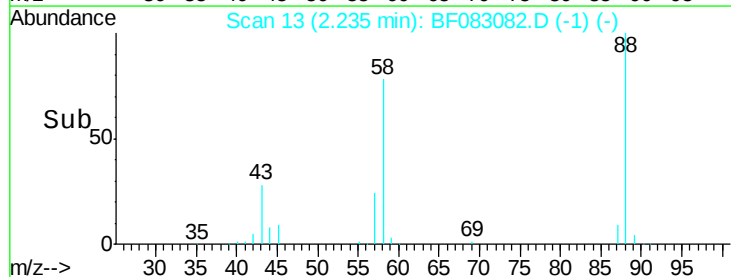
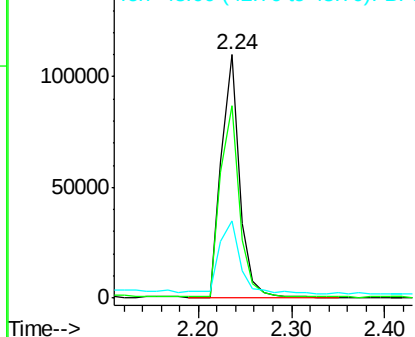
#2

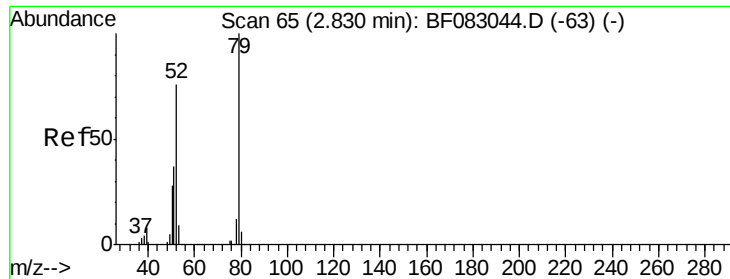
1,4-Dioxane
Concen: 34.20 ng
RT: 2.24 min Scan# 13
Delta R.T. 0.07 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion: 88 Resp: 150424
Ion Ratio Lower Upper
88 100
58 80.9 64.8 97.2
43 33.6 26.2 39.4



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

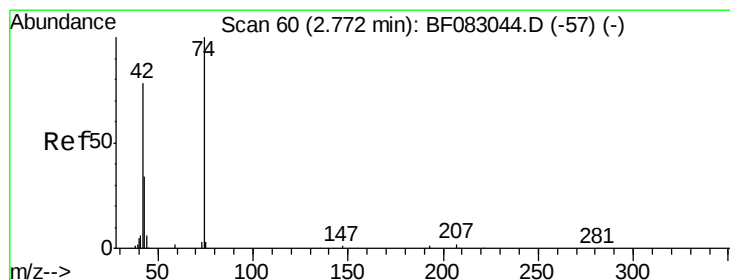
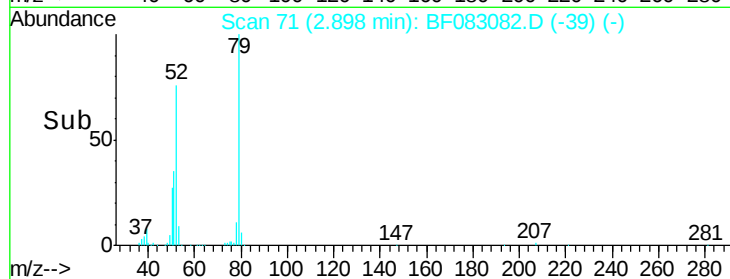
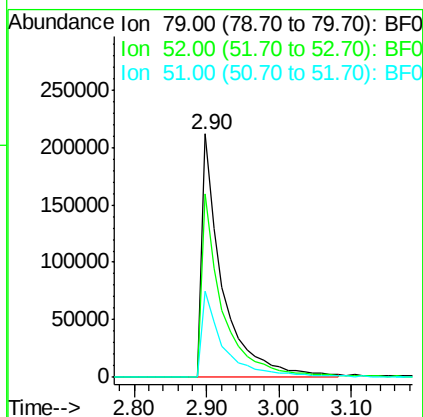
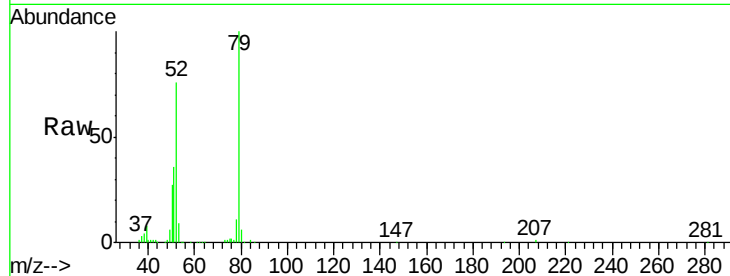




#3
 Pvridine
 Concen: 35.05 ng
 RT: 2.90 min Scan# 71
 Delta R.T. 0.07 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

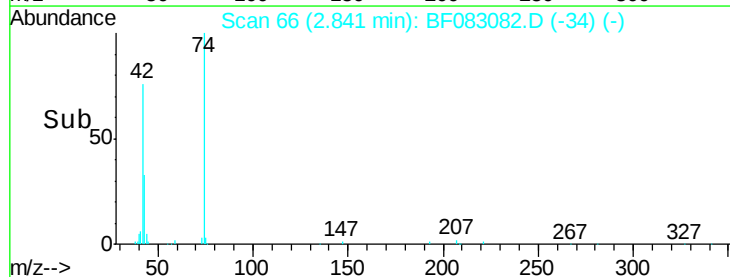
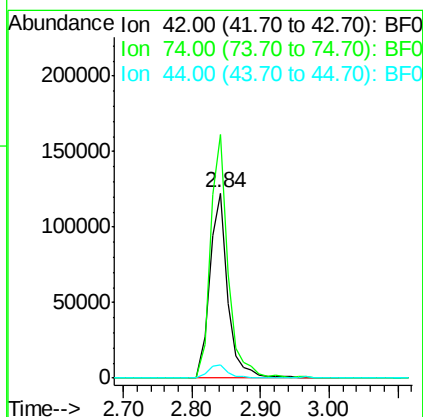
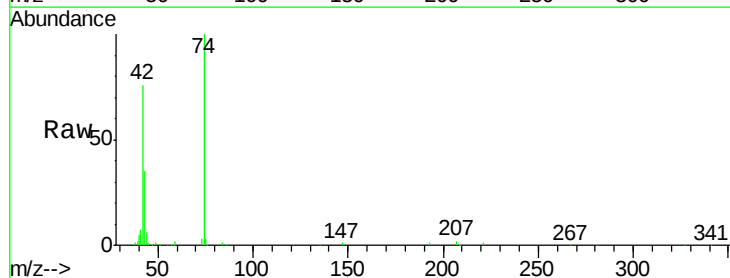
Instrument :
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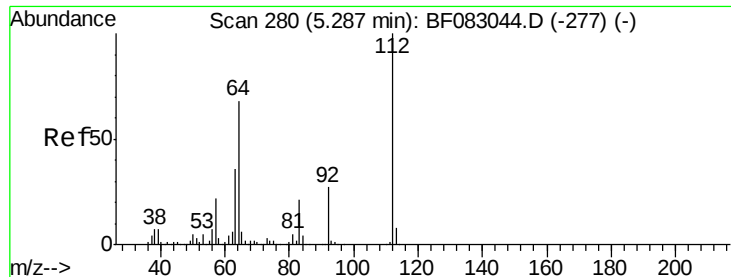
Tot Ion: 79 Resp: 417825
 Ion Ratio Lower Upper
 79 100
 52 75.6 61.0 91.4
 51 35.6 30.0 45.0



#4
 n-Nitrosodimethylamine
 Concen: 37.36 ng
 RT: 2.84 min Scan# 66
 Delta R.T. 0.07 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion: 42 Resp: 225317
 Ion Ratio Lower Upper
 42 100
 74 131.4 102.4 153.6
 44 7.4 5.8 8.8





#5

2-Fluorophenol

Concen: 120.43 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

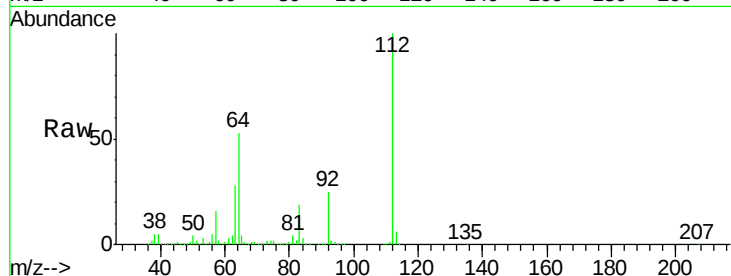
Tot Ion:112 Resp: 1168014

Ion Ratio Lower Upper

112 100

64 52.7 54.8 82.2#

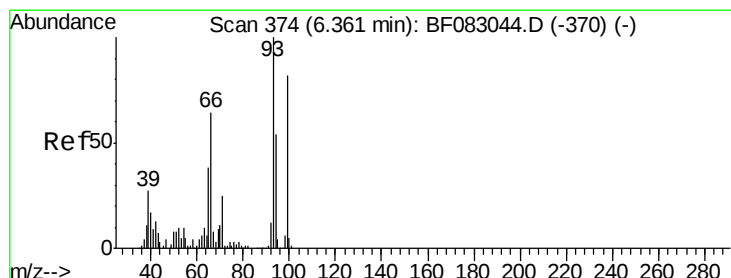
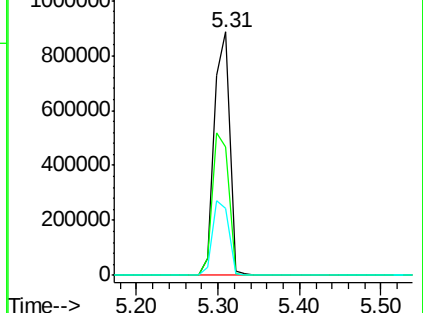
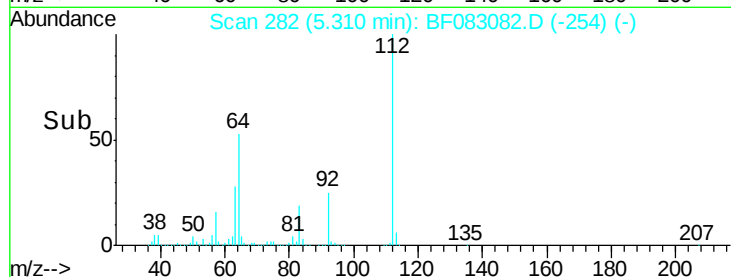
63 27.6 29.0 43.4#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 28.51 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

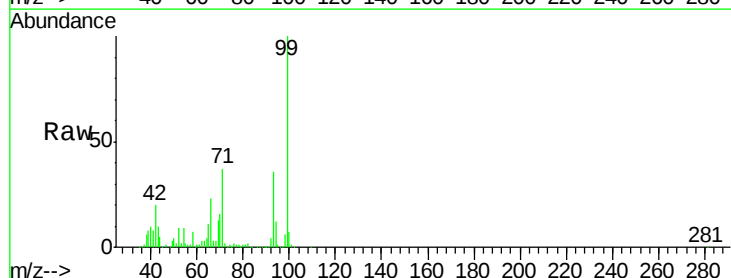
Tgt Ion: 93 Resp: 498174

Ion Ratio Lower Upper

93 100

66 64.1 51.4 77.2

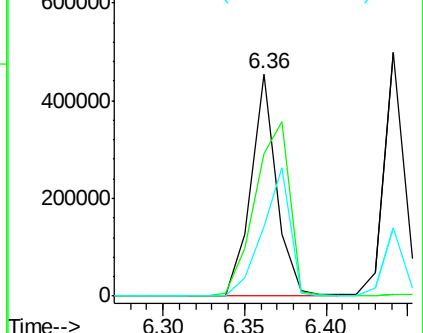
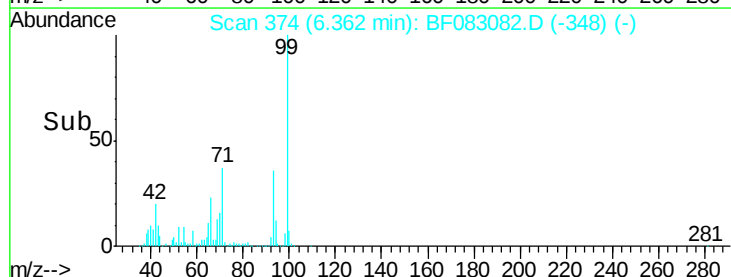
65 31.2 30.7 46.1

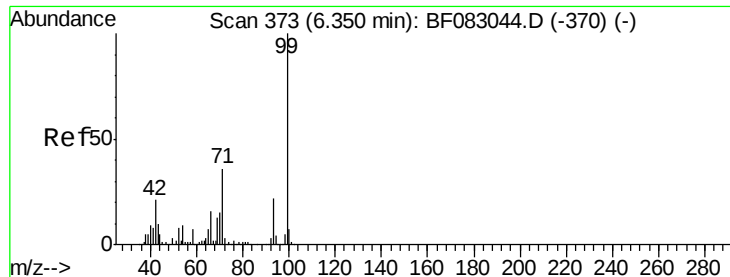


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 115.35 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF083082.D

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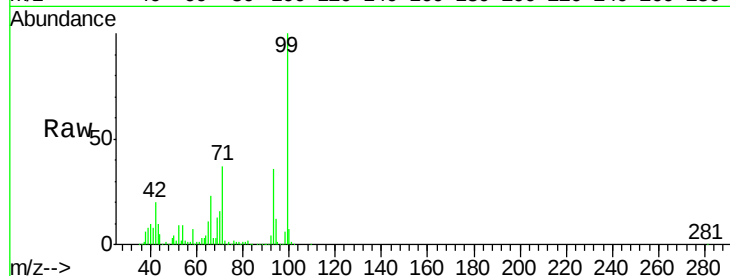
Tot Ion: 99 Resp: 1473397

Ion Ratio Lower Upper

99 100

42 20.1 16.6 25.0

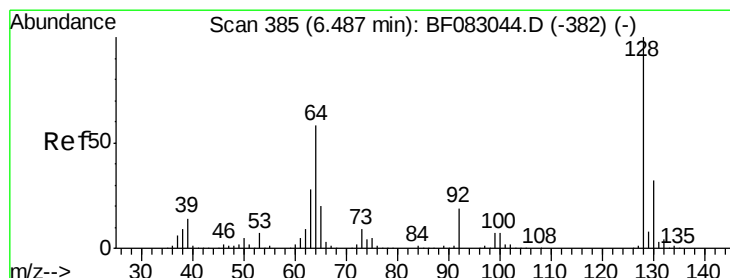
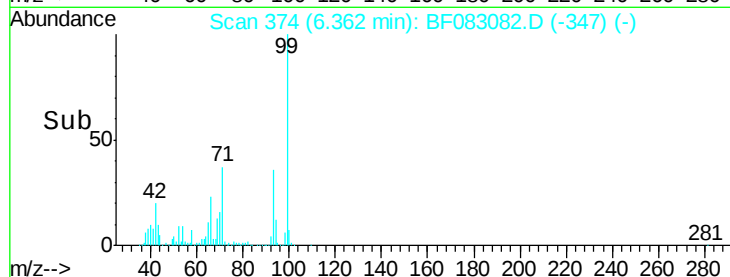
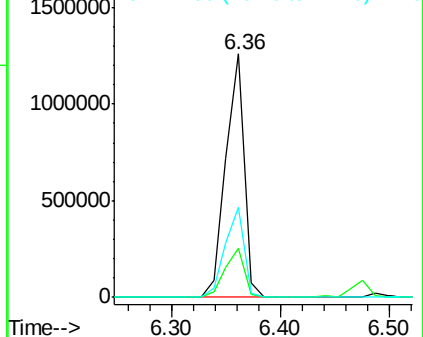
71 37.0 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 35.95 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

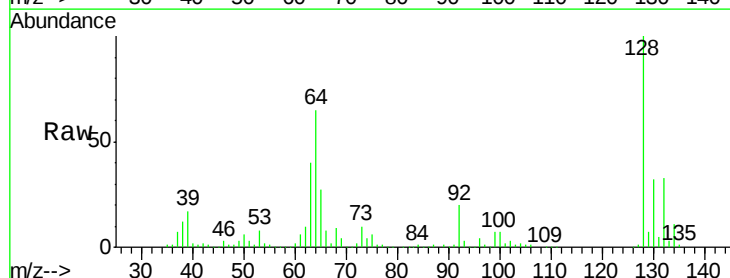
Tgt Ion: 128 Resp: 388853

Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

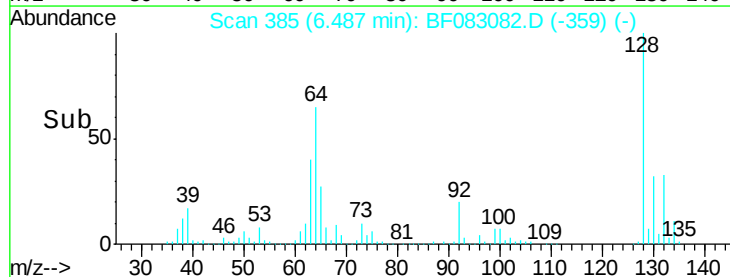
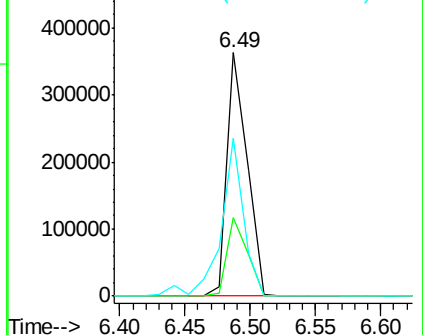
64 64.9 38.3 78.3

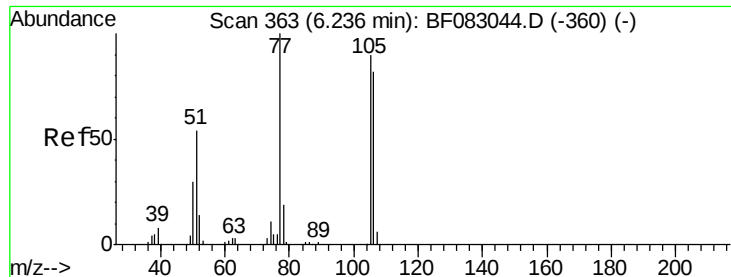


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 69.53 ng

RT: 6.24 min Scan# 363

Delta R.T. 0.00 min

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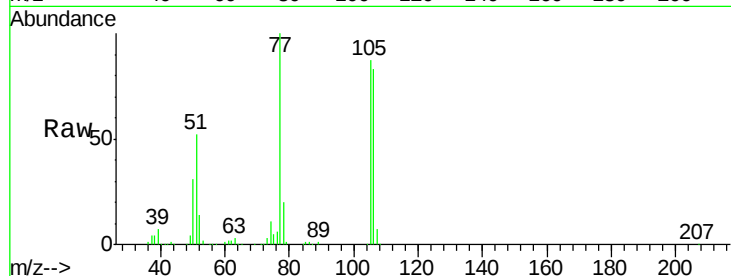
Tot Ion: 77 Resp: 384694

Ion Ratio Lower Upper

77 100

105 87.4 69.6 109.6

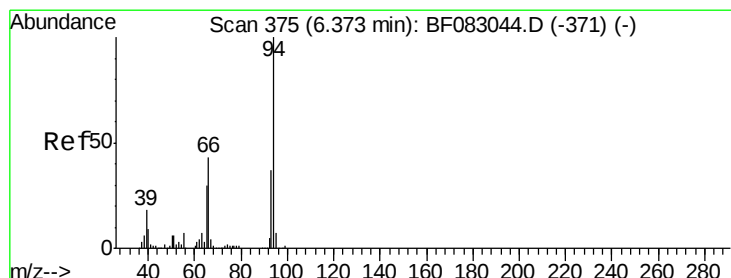
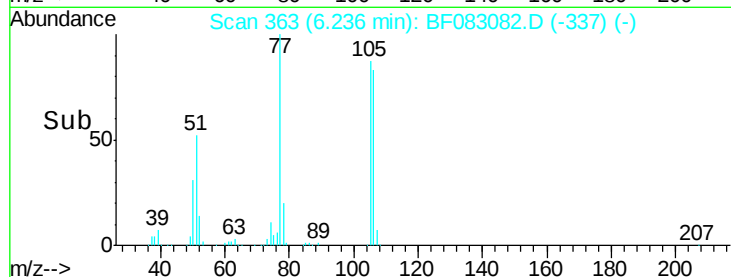
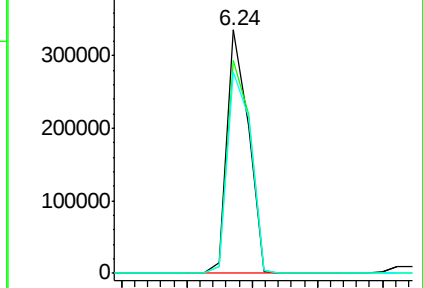
106 82.8 62.0 102.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 44.11 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

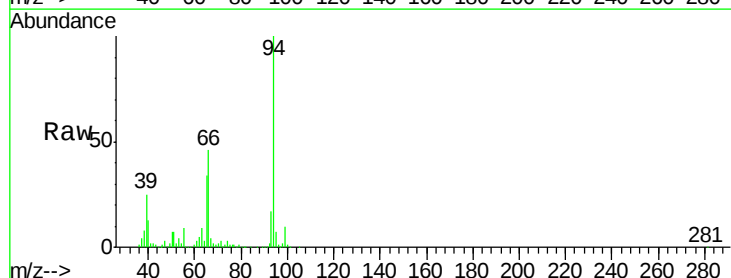
Tgt Ion: 94 Resp: 656506

Ion Ratio Lower Upper

94 100

65 34.2 10.1 50.1

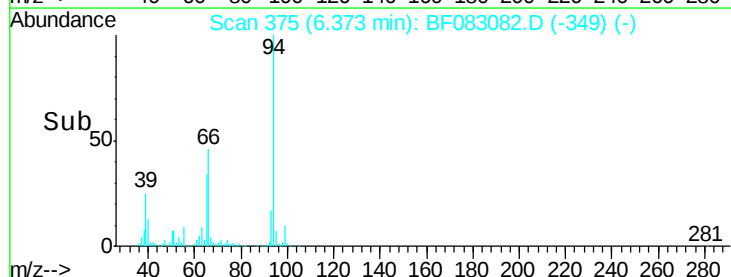
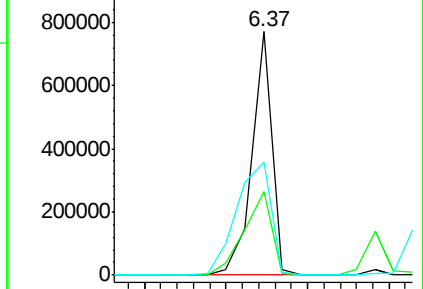
66 46.4 23.2 63.2

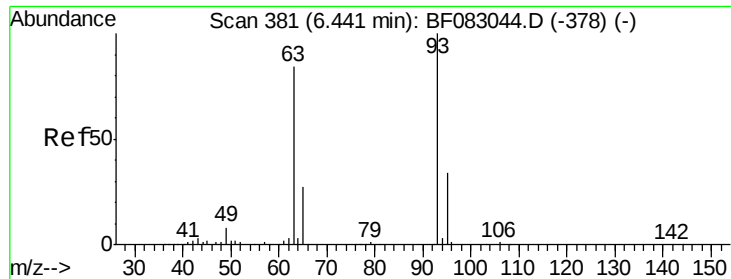


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

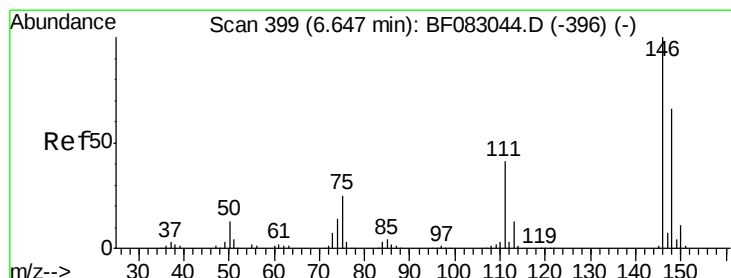
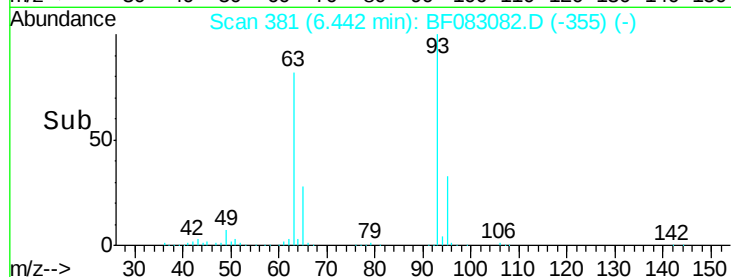
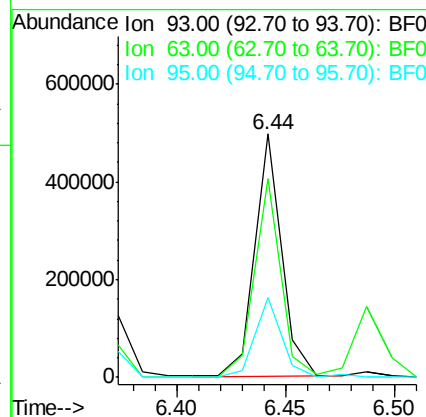
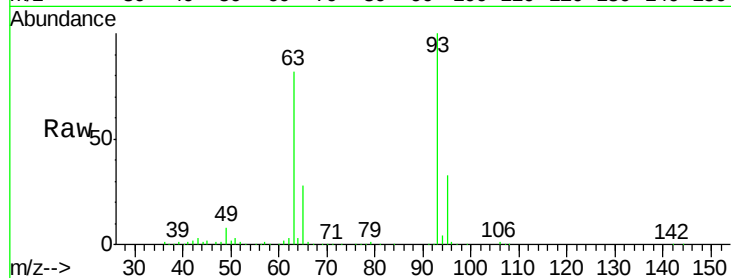




#11
bis(2-Chloroethyl)ether
Concen: 39.10 ng
RT: 6.44 min Scan# 381
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

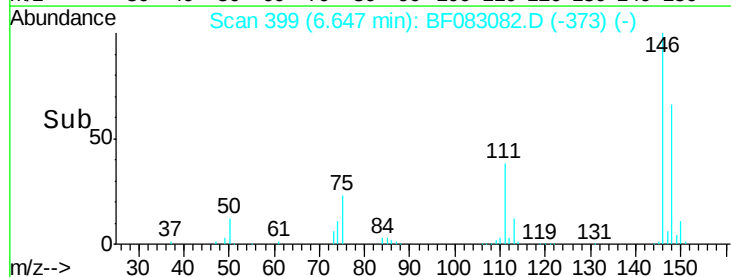
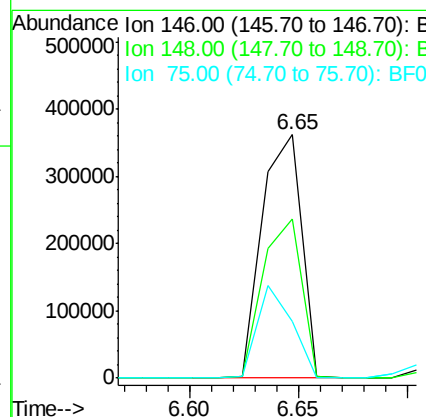
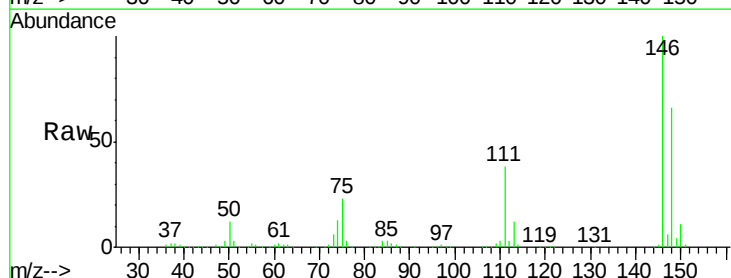
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

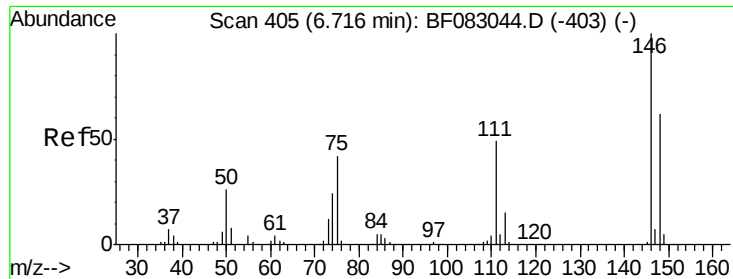
Tot Ion: 93 Resp: 422836
Ion Ratio Lower Upper
93 100
63 81.5 63.6 103.6
95 32.8 13.8 53.8



#12
1,3-Dichlorobenzene
Concen: 38.23 ng
RT: 6.65 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion: 146 Resp: 462955
Ion Ratio Lower Upper
146 100
148 65.6 52.8 79.2
75 23.3 20.3 30.5

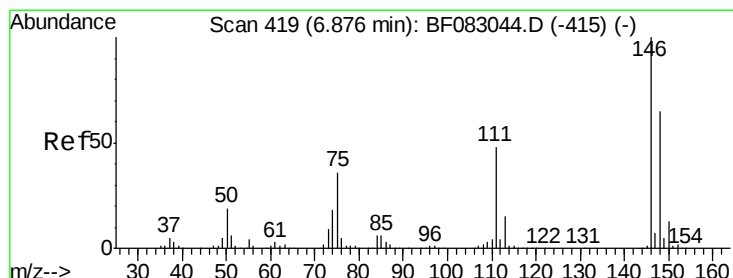
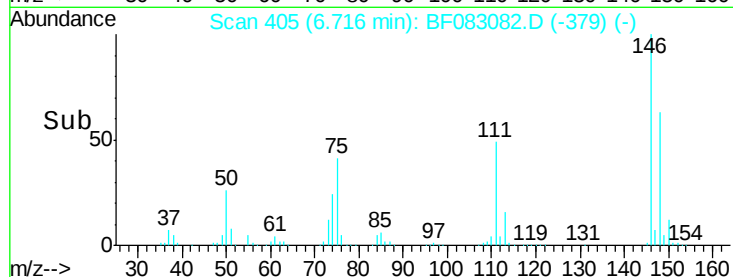
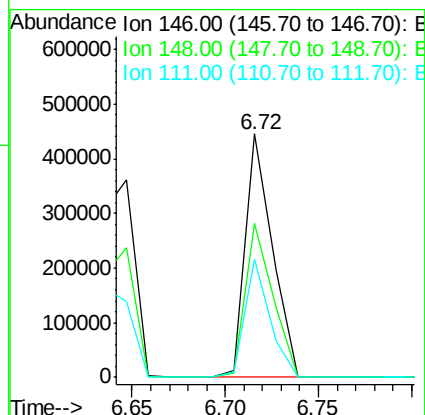
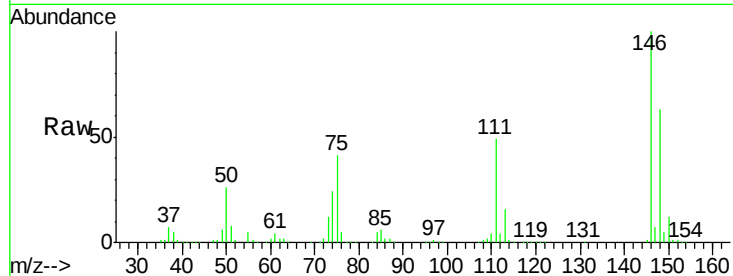




#13
 1,4-Dichlorobenzene
 Concen: 36.60 ng
 RT: 6.72 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

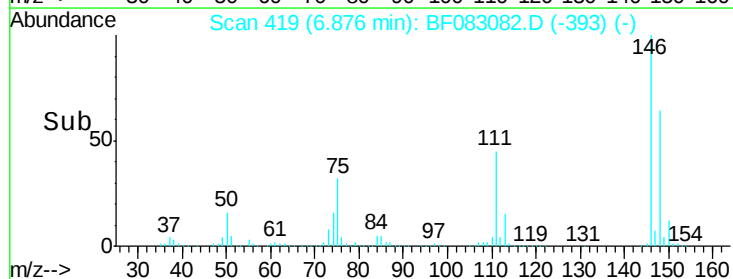
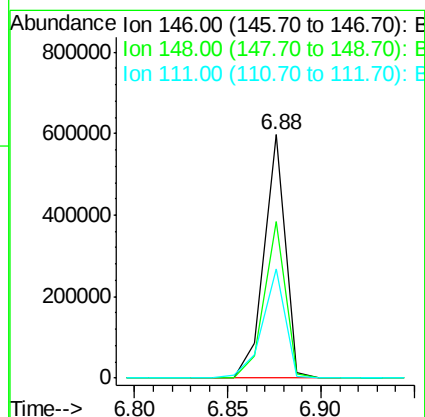
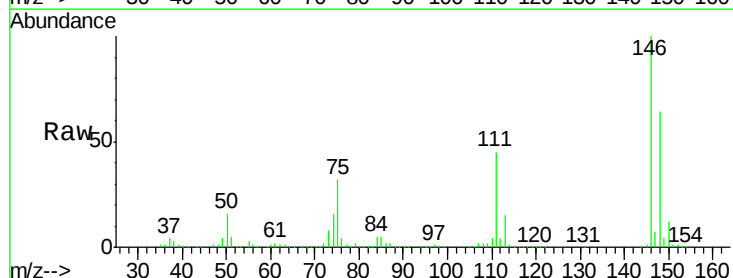
Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

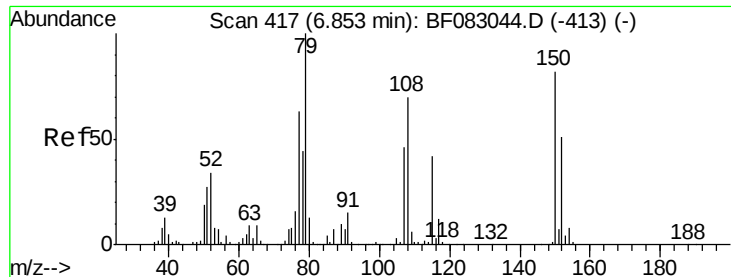
Tot Ion:146 Resp: 448875
 Ion Ratio Lower Upper
 146 100
 148 63.3 49.6 74.4
 111 48.6 39.0 58.6



#14
 1,2-Dichlorobenzene
 Concen: 42.16 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion:146 Resp: 477855
 Ion Ratio Lower Upper
 146 100
 148 64.5 51.8 77.6
 111 44.7 38.2 57.2





#15

Benzyl Alcohol

Concen: 43.49 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

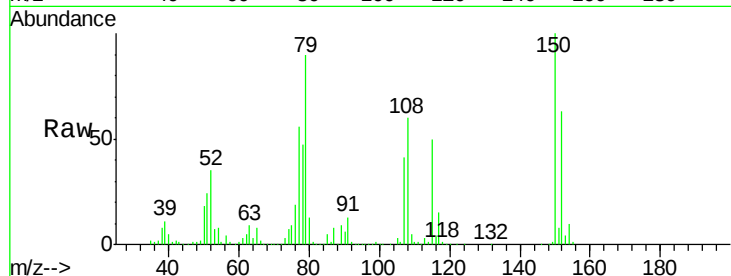
Tot Ion: 79 Resp: 457010

Ion Ratio Lower Upper

79 100

108 67.4 55.7 83.5

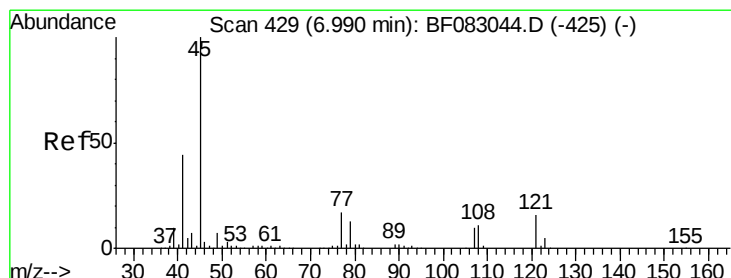
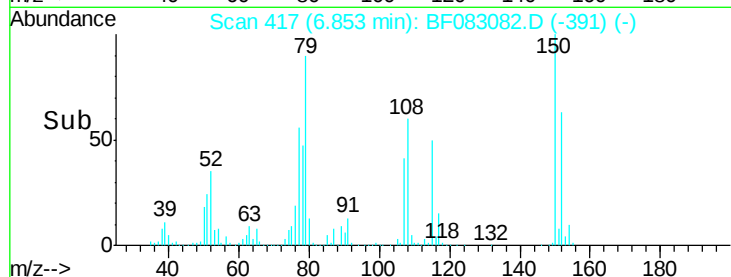
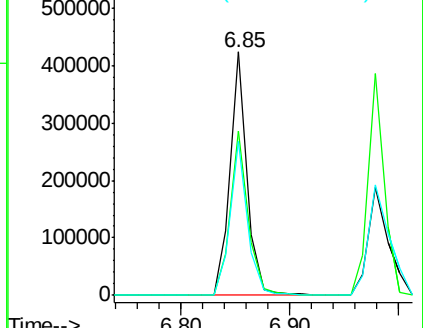
77 63.0 50.7 76.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.12 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

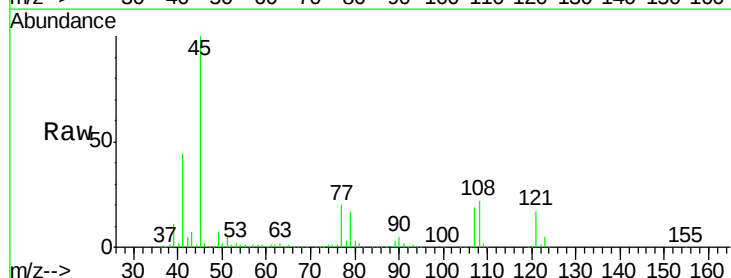
Tgt Ion: 45 Resp: 693234

Ion Ratio Lower Upper

45 100

77 20.3 0.0 36.7

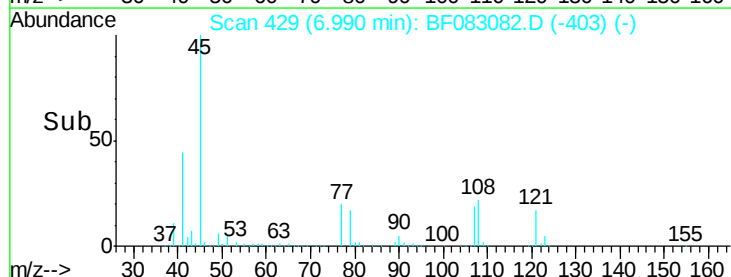
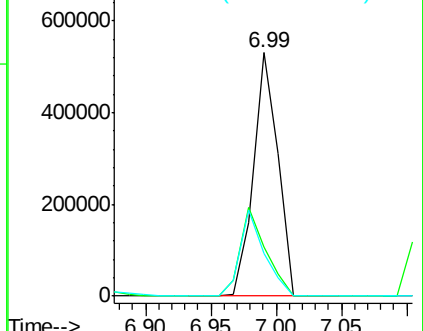
79 17.4 0.0 33.0

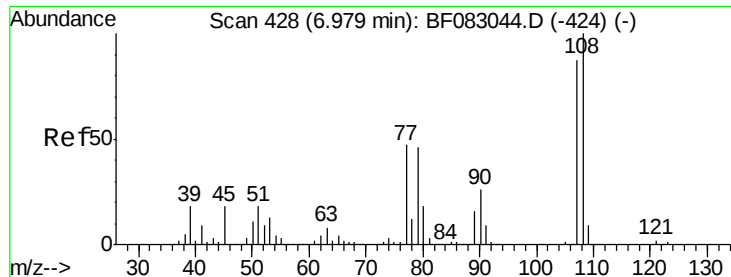


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

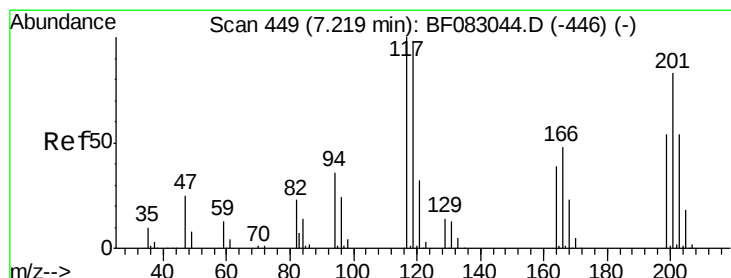
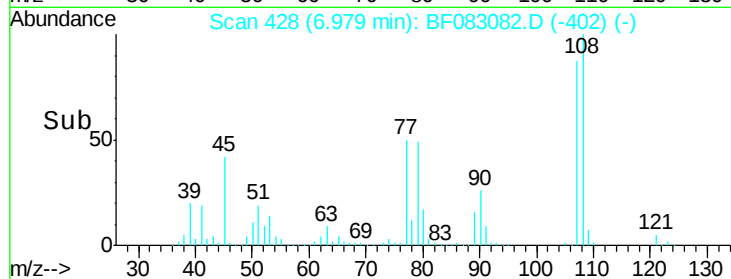
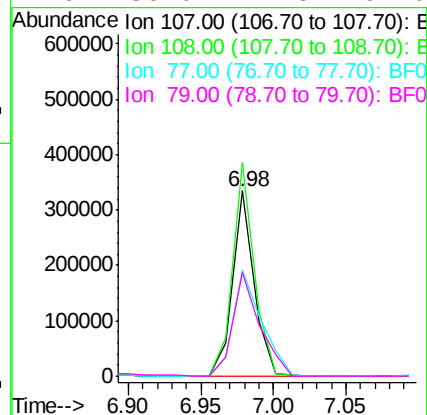
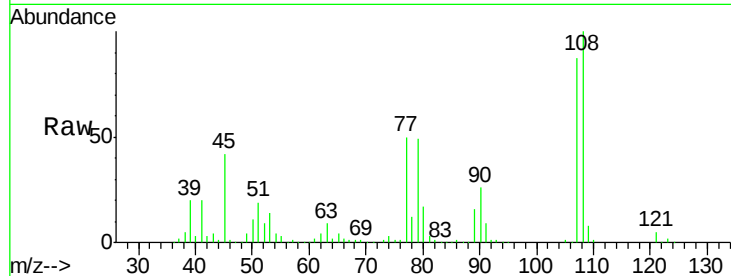




#17
2-Methylphenol
Concen: 38.12 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

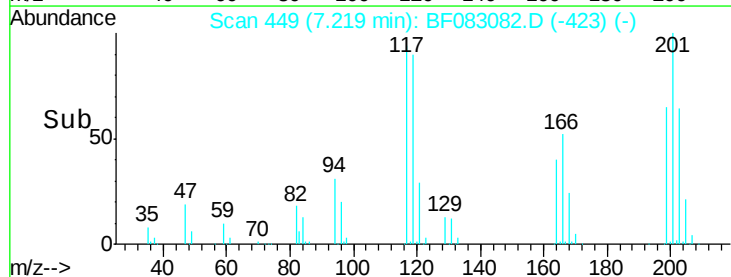
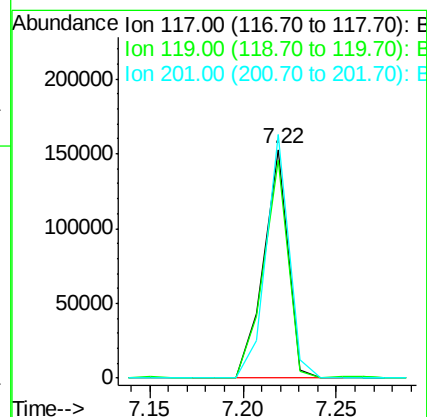
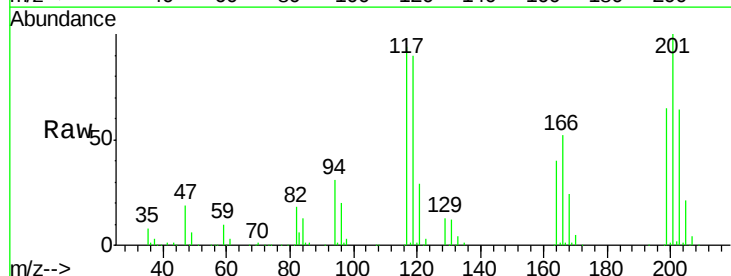
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

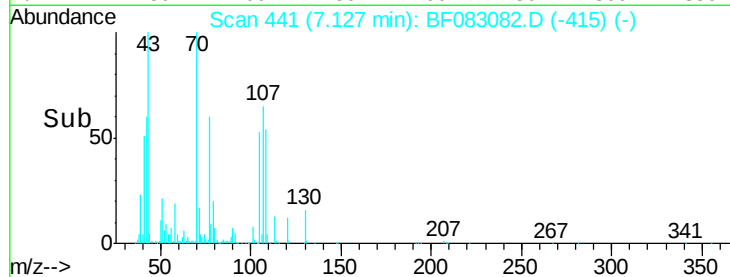
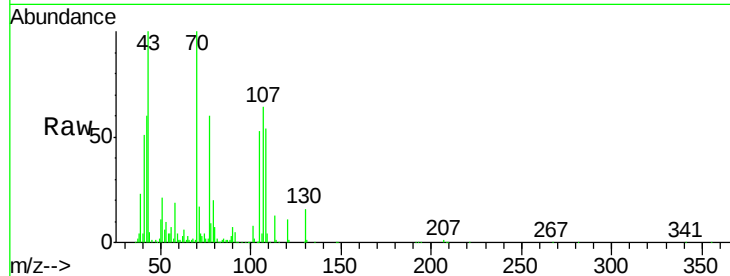
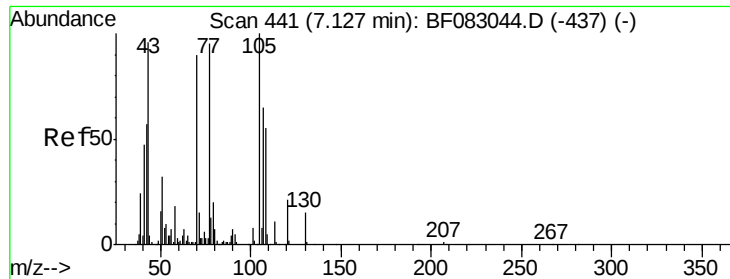
Tot Ion:	107	Resp:	344288
Ion	Ratio	Lower	Upper
107	100		
108	115.3	92.3	138.5
77	57.5	43.9	65.9
79	56.0	42.6	64.0



#18
Hexachloroethane
Concen: 30.62 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:	117	Resp:	138038
Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.3	117.5
201	106.5	66.5	99.7#

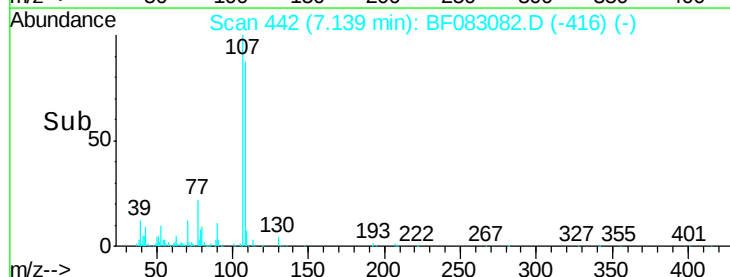
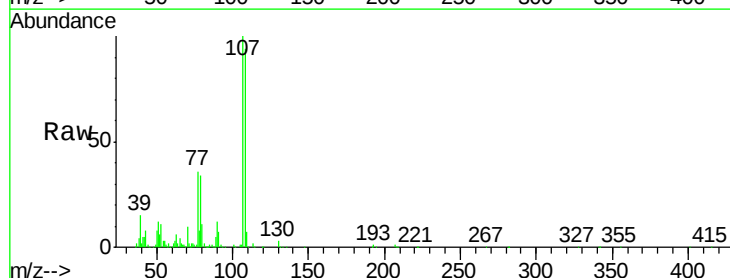
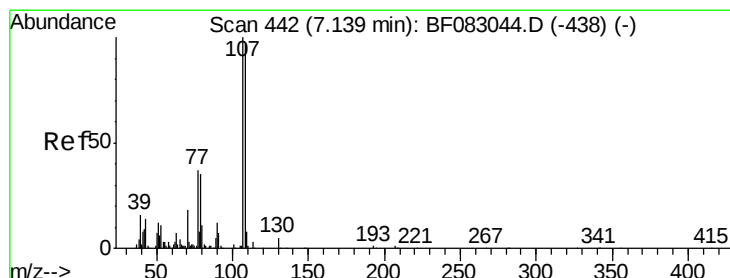
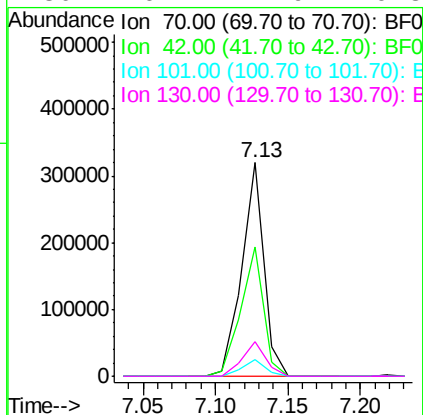




#19
n-Nitroso-di-n-propylamine
Concen: 36.19 ng
RT: 7.13 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

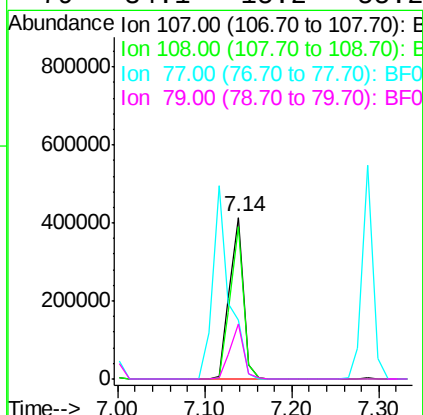
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

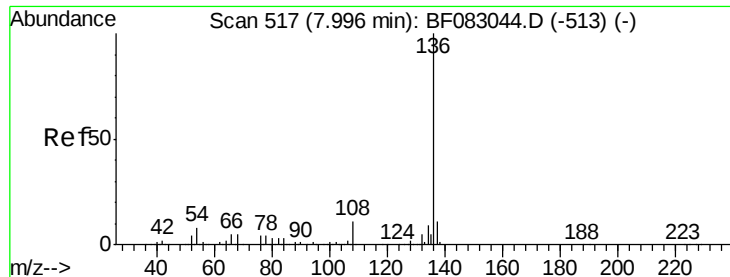
Tot Ion:	70	Resp:	337820
Ion	Ratio	Lower	Upper
70	100		
42	60.5	50.2	75.2
101	8.0	6.8	10.2
130	16.2	12.9	19.3



#20
3+4-Methylphenols
Concen: 38.97 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:	107	Resp:	458932
Ion	Ratio	Lower	Upper
107	100		
108	94.0	77.4	117.4
77	36.2	16.7	56.7
79	34.1	15.2	55.2

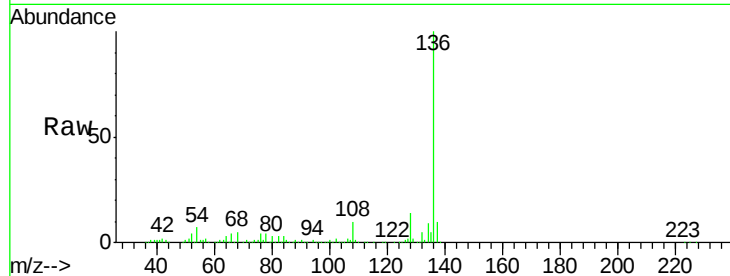




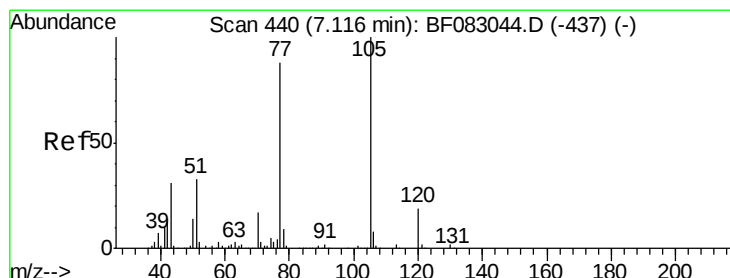
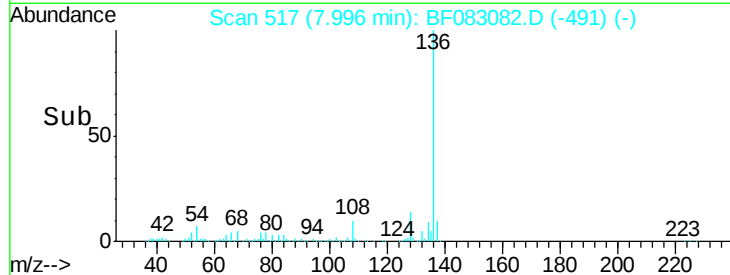
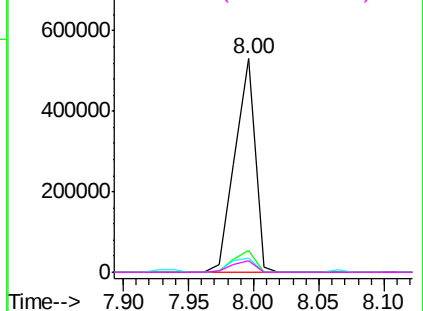
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

Tot Ion:136	Resp:	570078
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.6 12.8
54	6.6	6.2 9.2
68	5.2	4.2 6.2

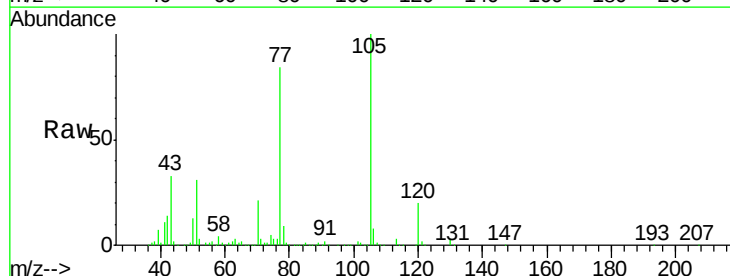


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

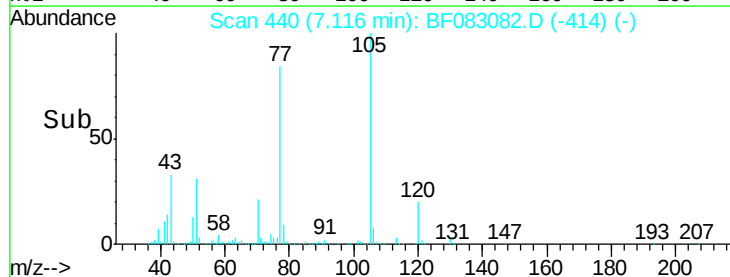
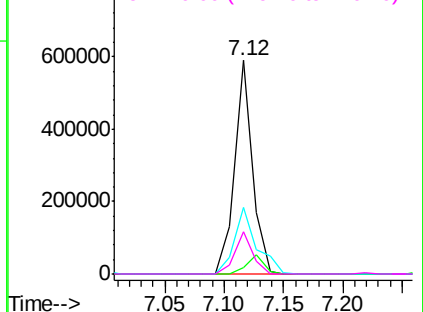


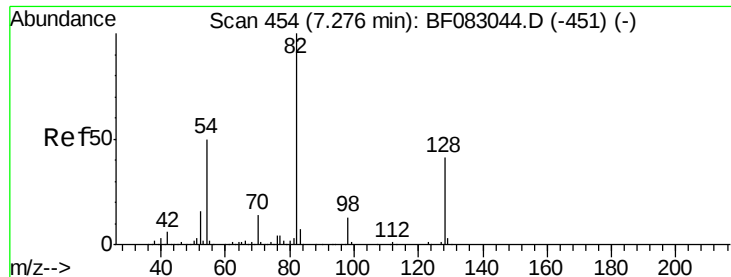
#22
Acetophenone
Concen: 38.56 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:105	Resp:	615710
Ion	Ratio	Lower Upper
105	100	
71	3.3	2.3 3.5
51	31.3	26.1 39.1
120	19.7	15.3 22.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

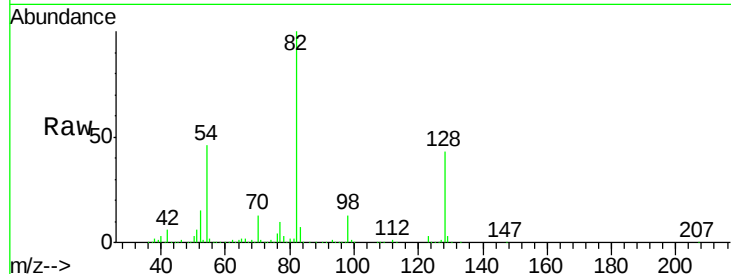




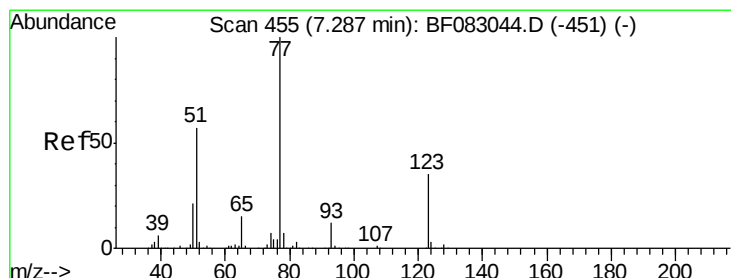
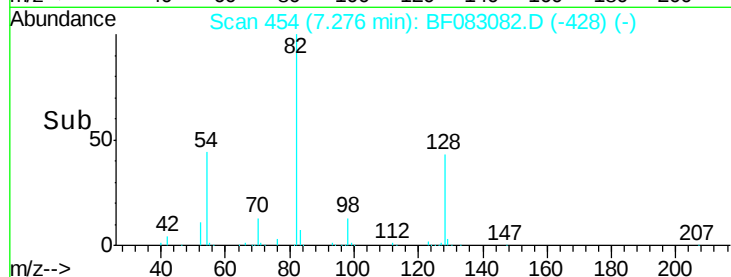
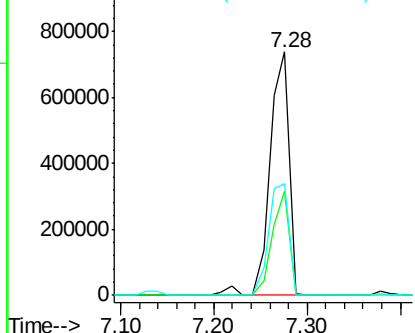
#23
 Nitrobenzene-d5
 Concen: 84.33 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion: 82 Resp: 1050070
 Ion Ratio Lower Upper
 82 100
 128 42.8 33.1 49.7
 54 46.2 39.8 59.6

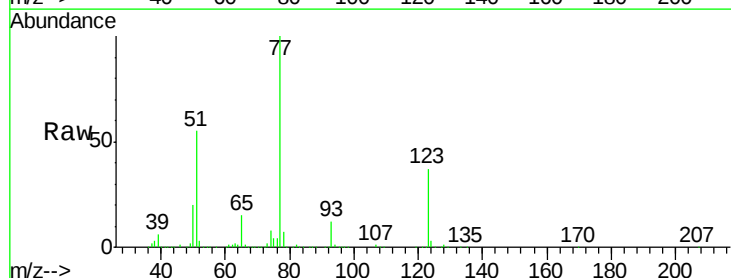


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

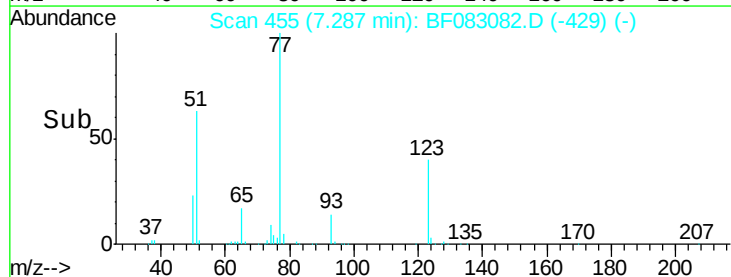
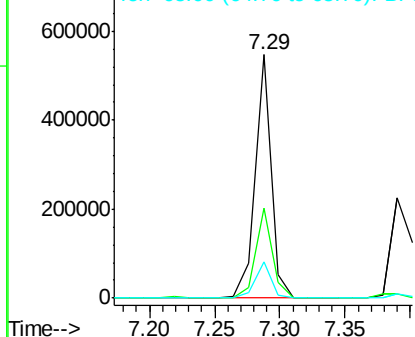


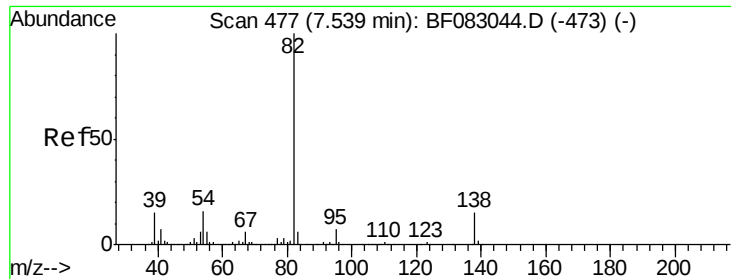
#24
 Nitrobenzene
 Concen: 37.30 ng
 RT: 7.29 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion: 77 Resp: 468611
 Ion Ratio Lower Upper
 77 100
 123 37.0 28.2 42.4
 65 14.7 11.8 17.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 39.37 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

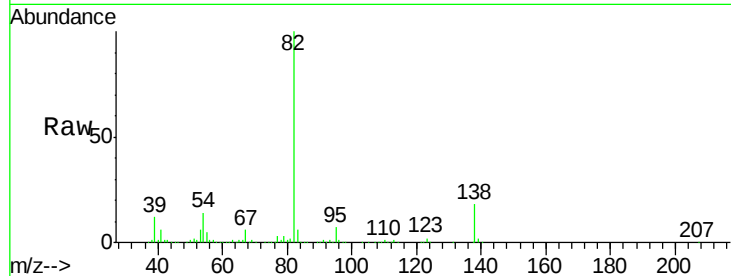
Tot Ion: 82 Resp: 924784

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

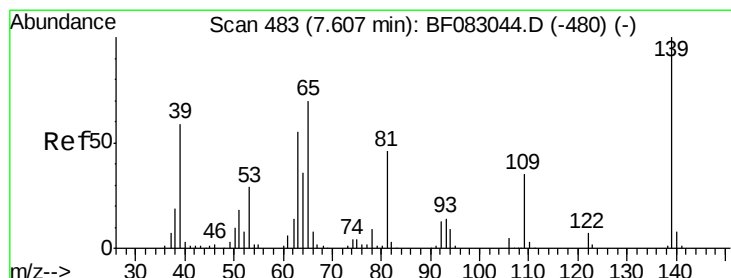
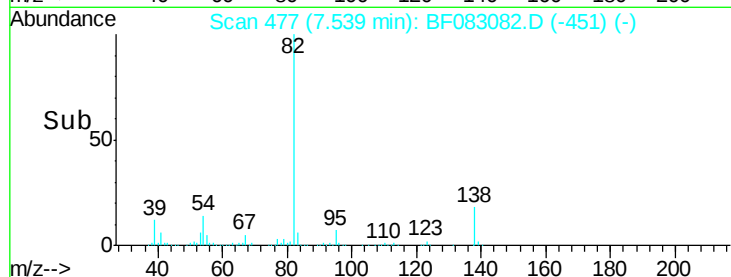
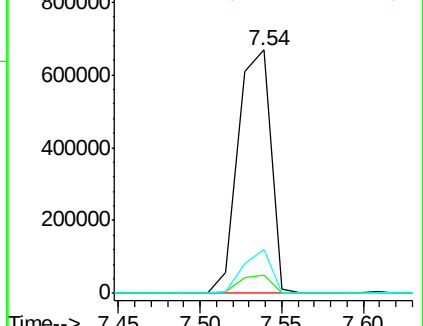
138 17.9 12.2 18.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 20.71 ng

RT: 7.61 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

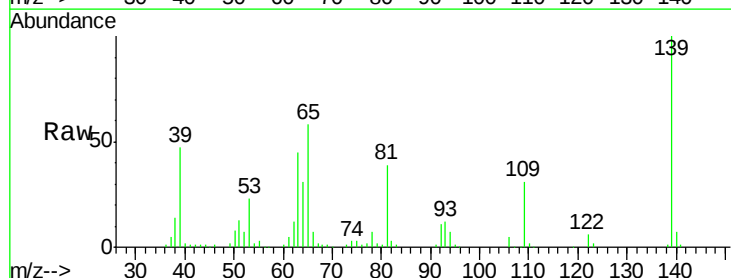
Tgt Ion: 139 Resp: 113800

Ion Ratio Lower Upper

139 100

109 31.0 27.8 41.6

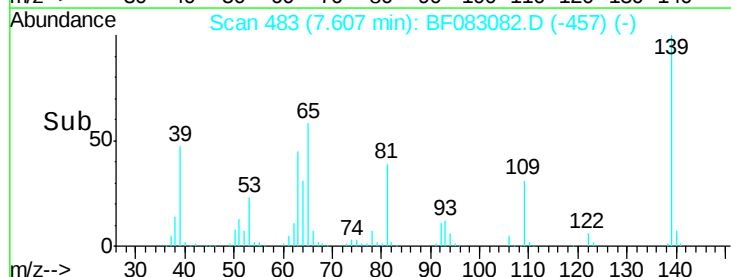
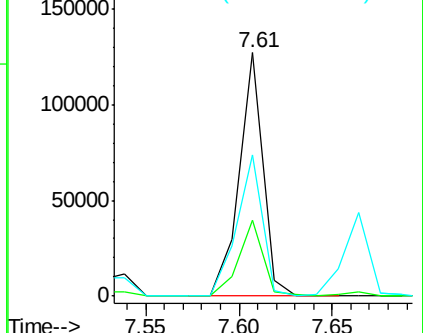
65 58.0 56.4 84.6

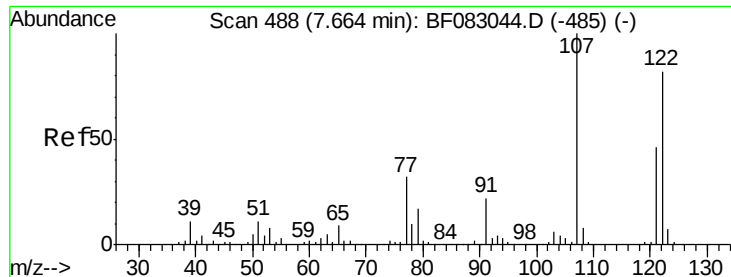


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 39.61 ng

RT: 7.66 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

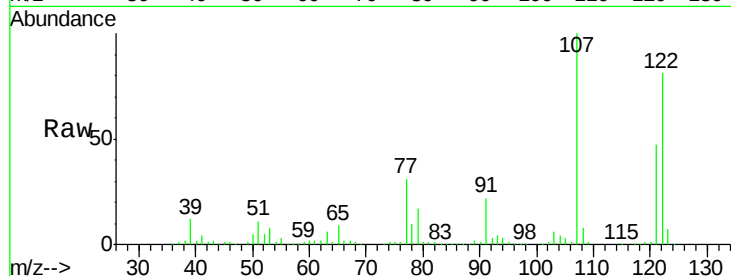
Tot Ion:122 Resp: 359554

Ion Ratio Lower Upper

122 100

107 123.6 97.5 146.3

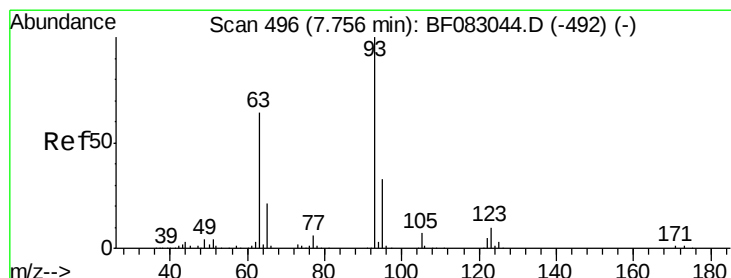
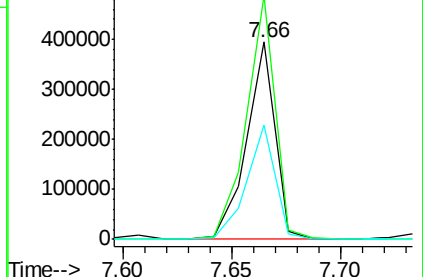
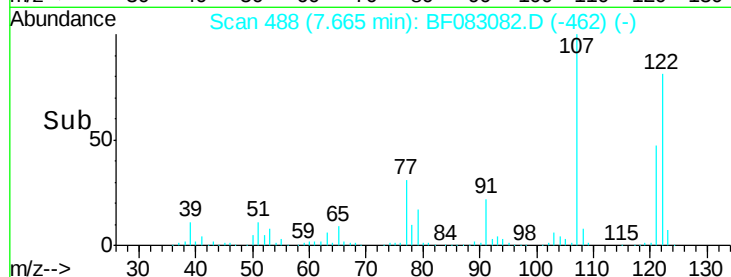
121 58.0 45.3 67.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.58 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

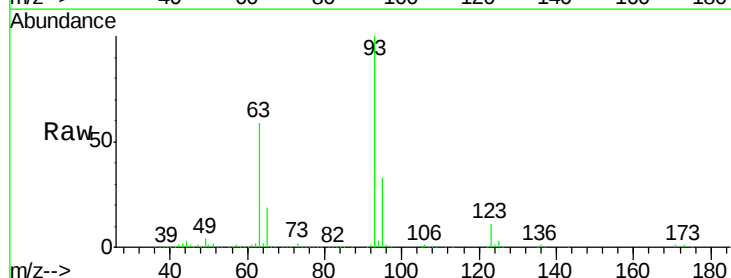
Tgt Ion: 93 Resp: 586671

Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

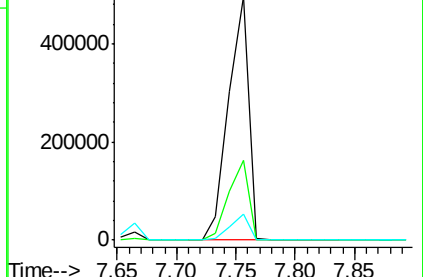
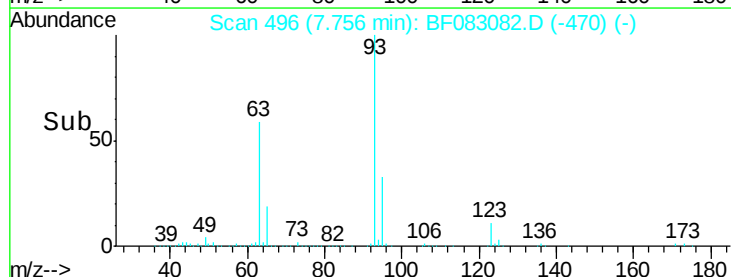
123 10.6 8.5 12.7

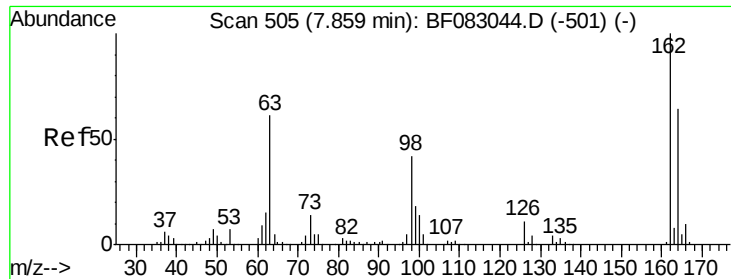


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

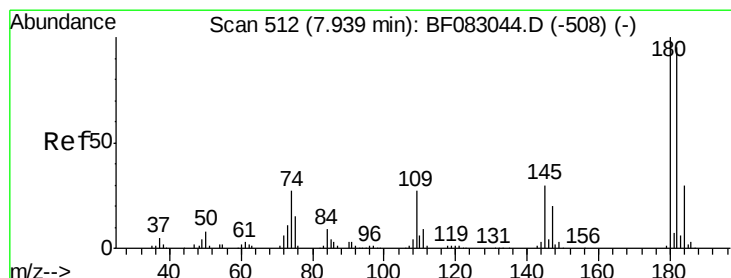
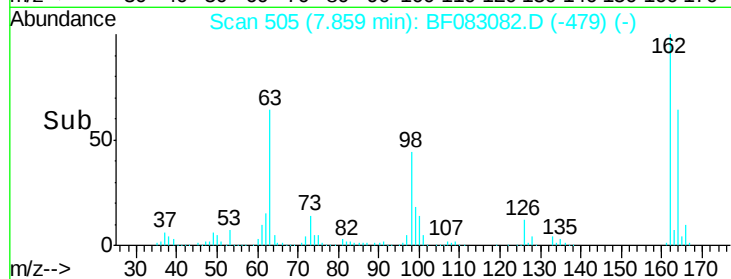
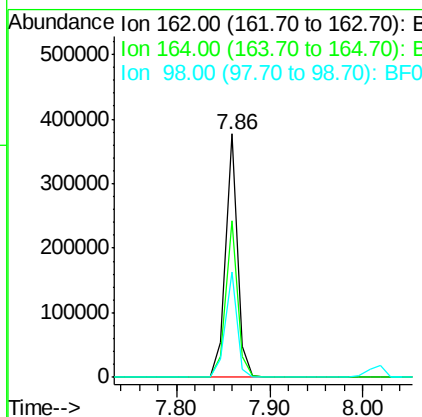
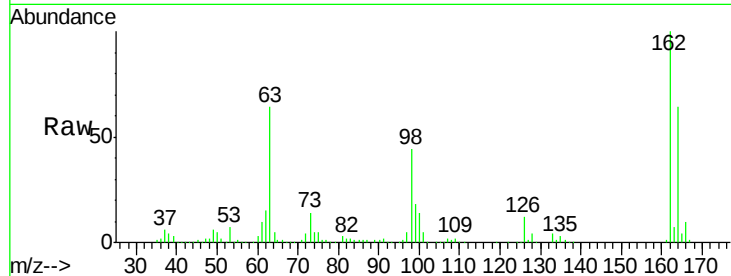




#29
 2,4-Dichlorophenol
 Concen: 37.97 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

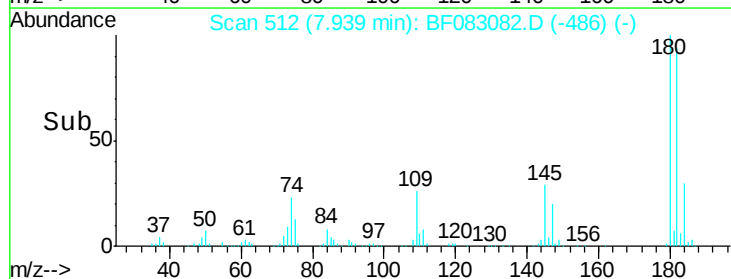
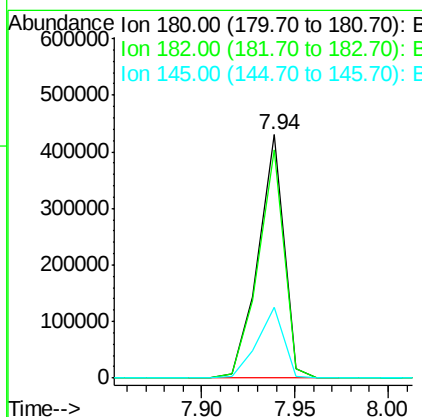
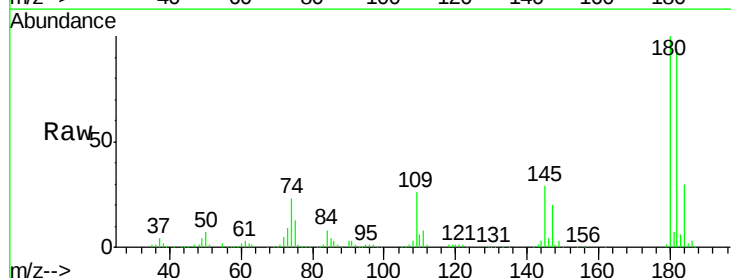
Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

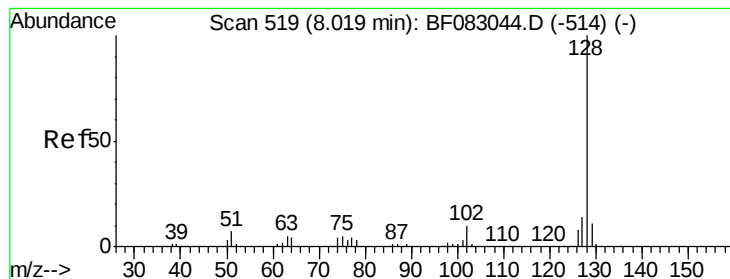
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.1	84.1
98	43.5	21.6	61.6



#30
 1,2,4-Trichlorobenzene
 Concen: 41.97 ng
 RT: 7.94 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
145	28.9	24.0	36.0





#31

Naphthalene

Concen: 50.65 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

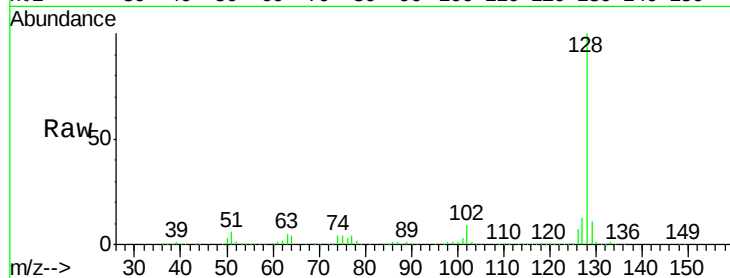
Tot Ion:128 Resp: 1504557

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

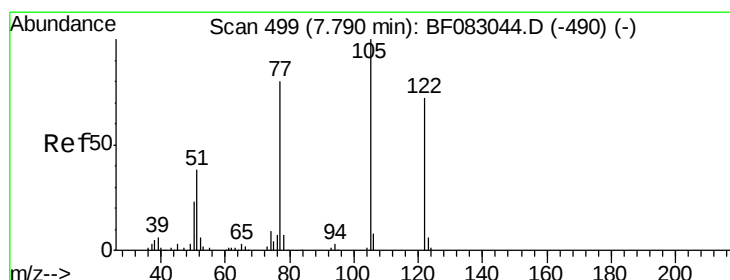
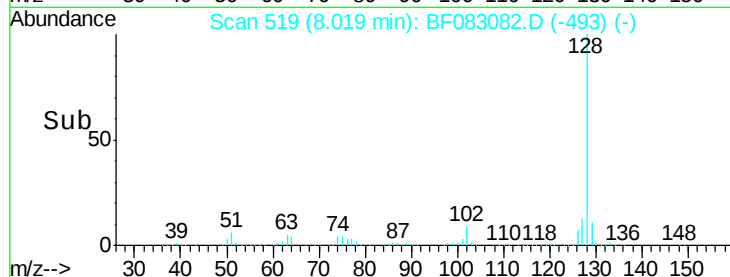
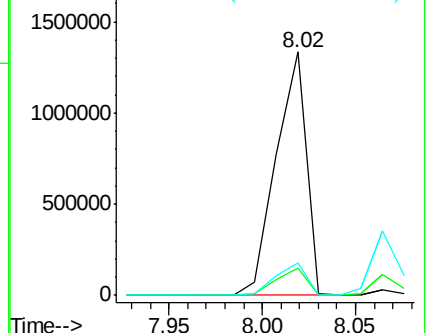
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.70 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.06 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

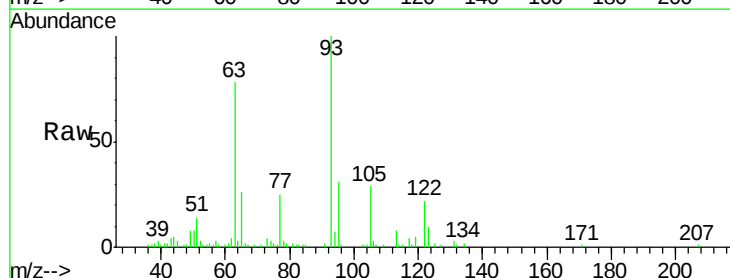
Tgt Ion:122 Resp: 14900

Ion Ratio Lower Upper

122 100

105 131.2 115.0 155.0

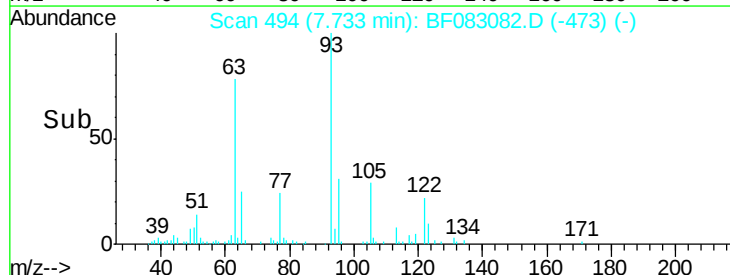
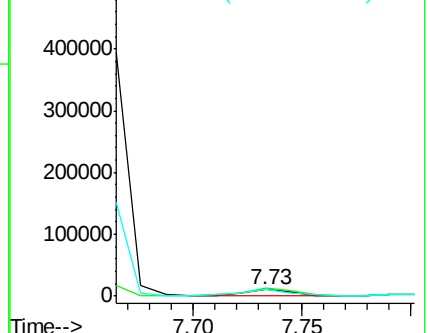
77 112.9 89.0 129.0

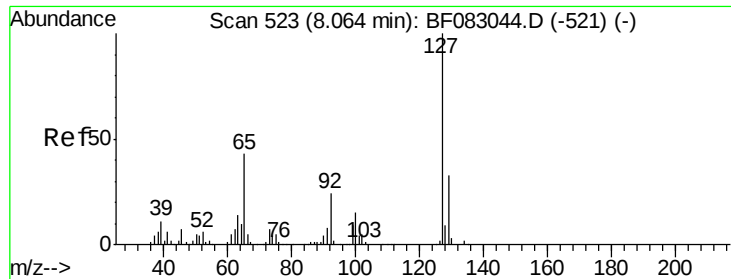


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

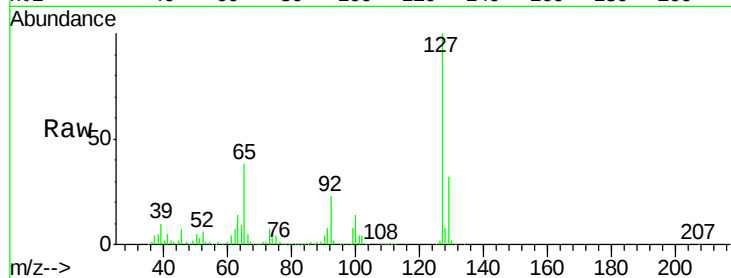




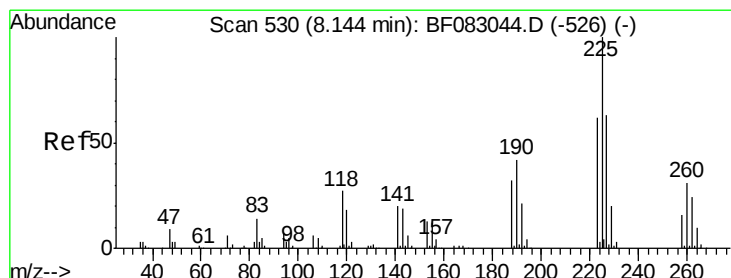
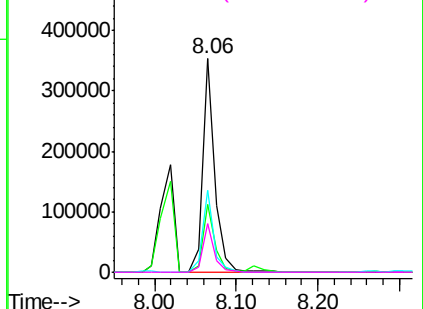
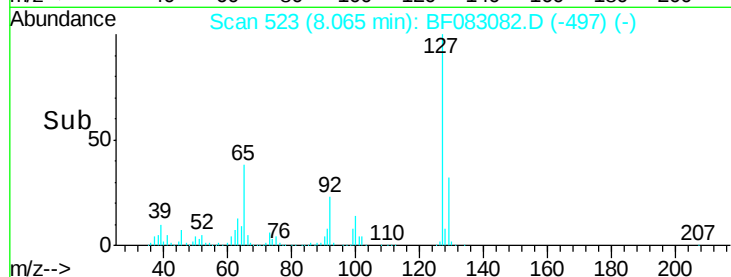
#33
 4-Chloroaniline
 Concen: 28.63 ng
 RT: 8.06 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion:	127	Resp:	369829
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	38.3	34.4	51.6
92	22.9	19.5	29.3

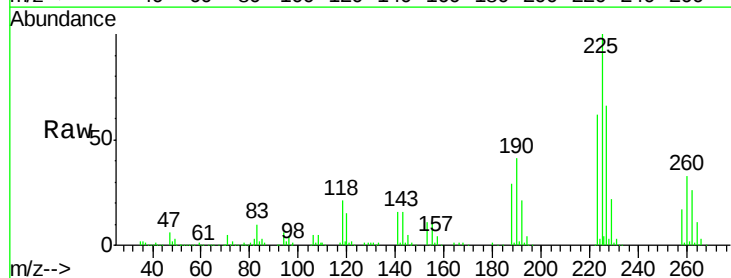


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

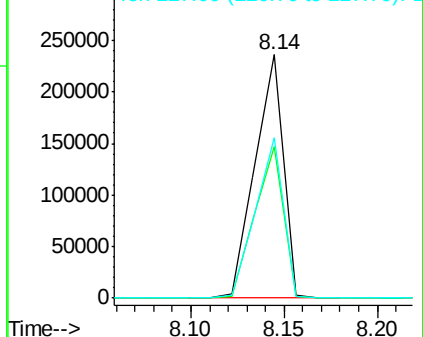
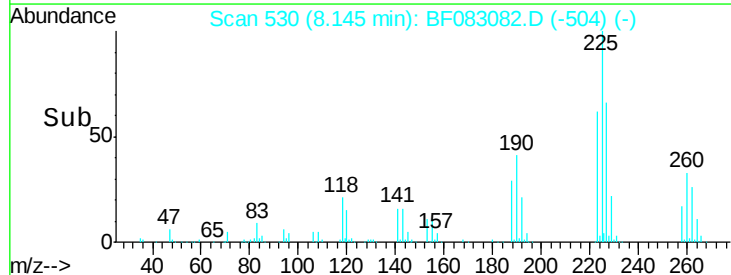


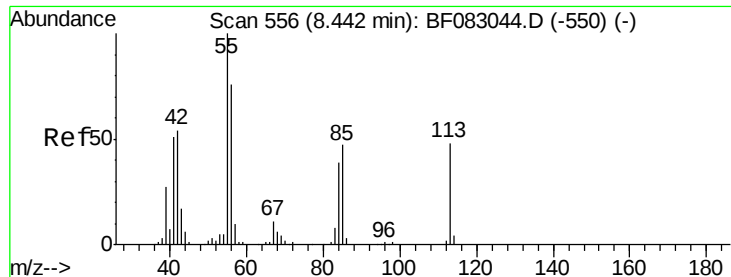
#34
 Hexachlorobutadiene
 Concen: 40.60 ng
 RT: 8.14 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion:	225	Resp:	247242
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	66.0	50.6	76.0



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 38.43 ng

RT: 8.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

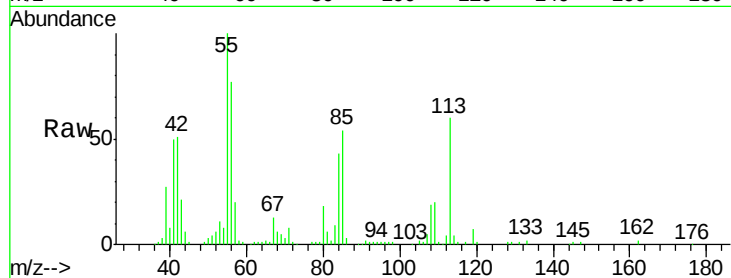
Tot Ion:113 Resp: 107519

Ion Ratio Lower Upper

113 100

55 165.6 189.1 229.1#

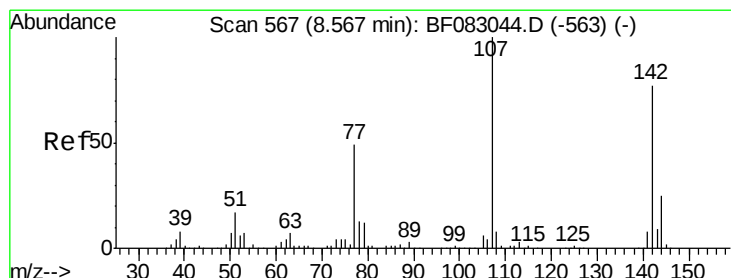
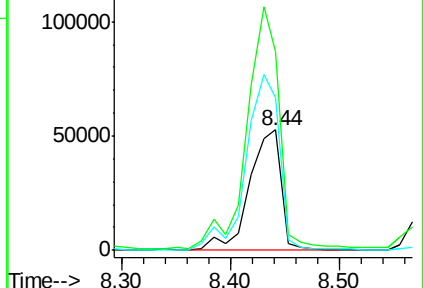
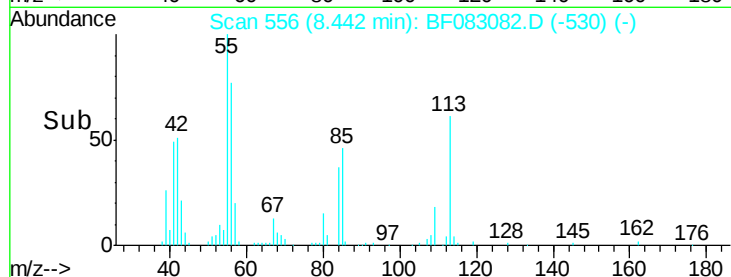
56 127.4 137.9 177.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 35.82 ng

RT: 8.57 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

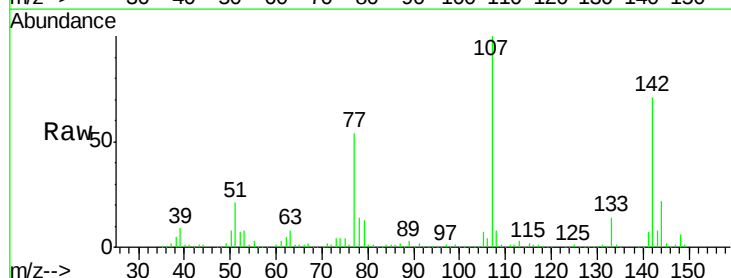
Tgt Ion:107 Resp: 364411

Ion Ratio Lower Upper

107 100

144 22.3 20.0 30.0

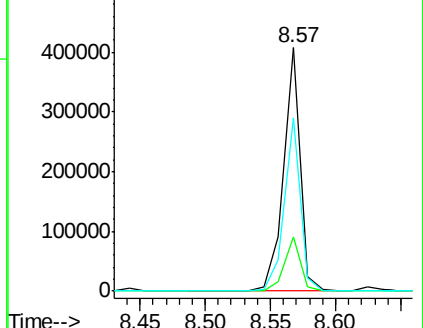
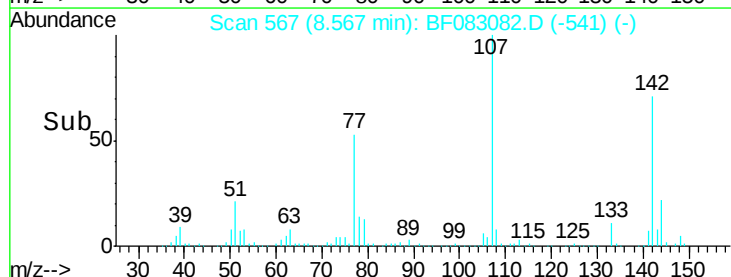
142 71.1 61.3 91.9

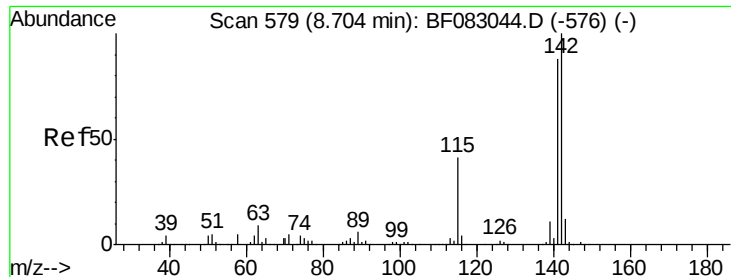


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

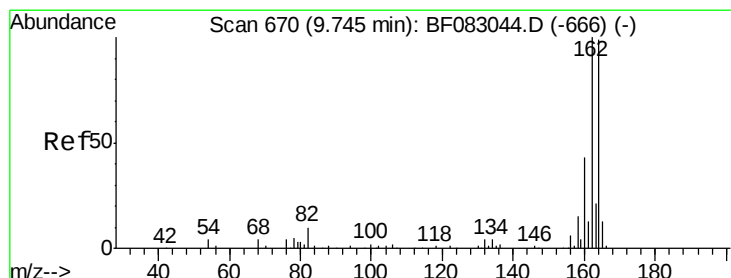
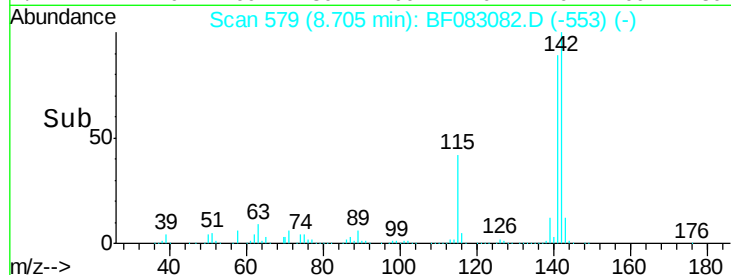
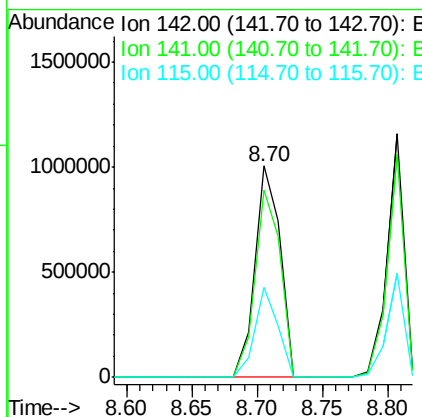
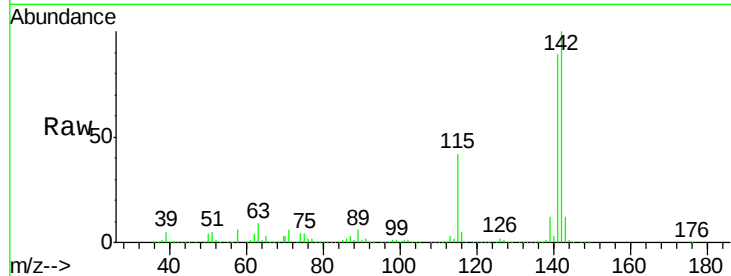




#37
2-Methylnaphthalene
Concen: 68.52 ng
RT: 8.70 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

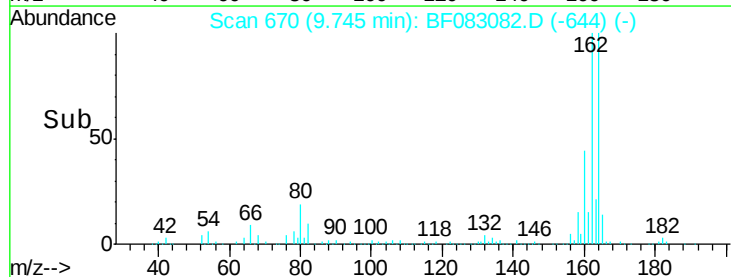
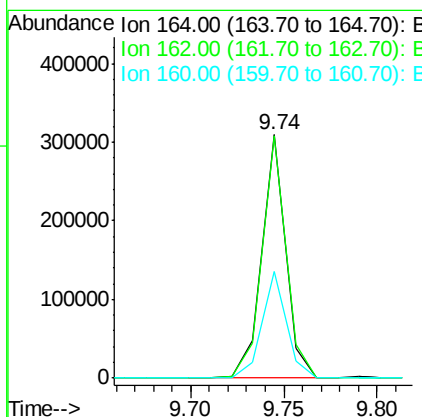
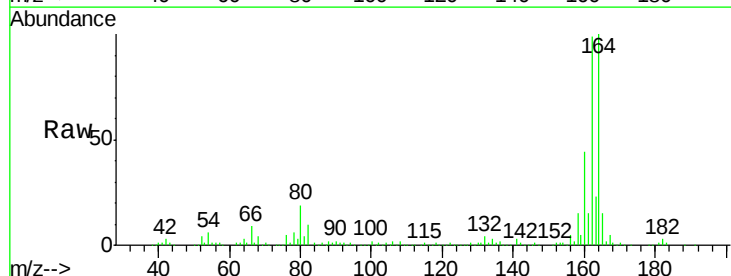
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

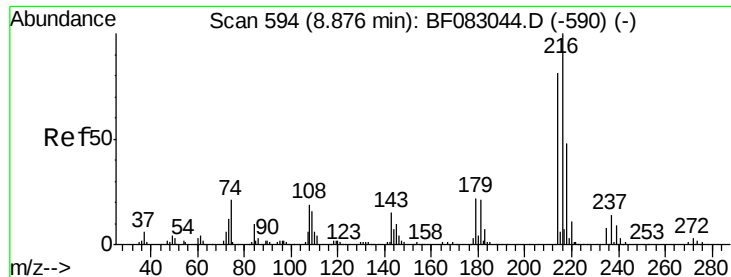
Tot Ion:142 Resp: 1354934
Ion Ratio Lower Upper
142 100
141 88.8 70.7 106.1
115 42.3 33.1 49.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:164 Resp: 273625
Ion Ratio Lower Upper
164 100
162 99.4 80.5 120.7
160 44.1 35.0 52.4

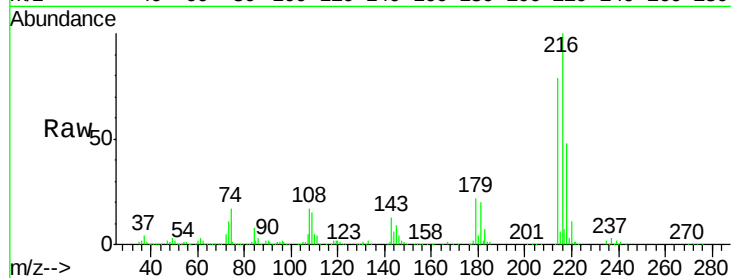




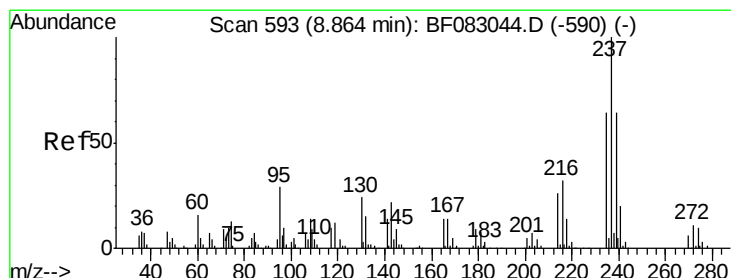
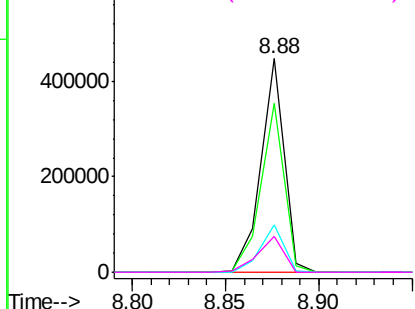
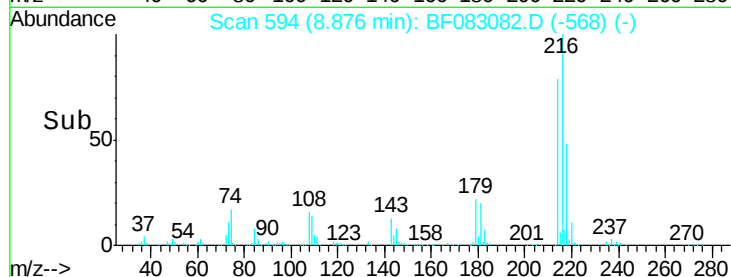
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.69 ng
 RT: 8.88 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion:216	Resp:	385203
Ion Ratio	Lower	Upper
216	100	
214	79.2	64.6 97.0
179	22.5	17.8 26.6
108	19.2	16.8 25.2

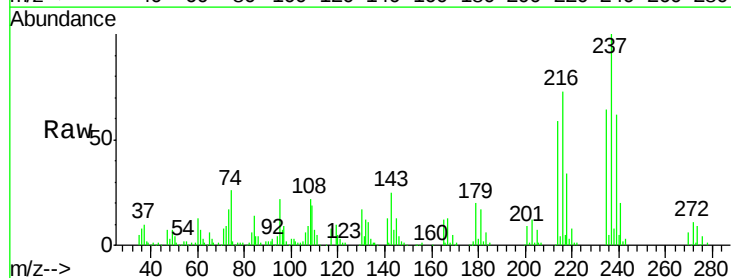


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

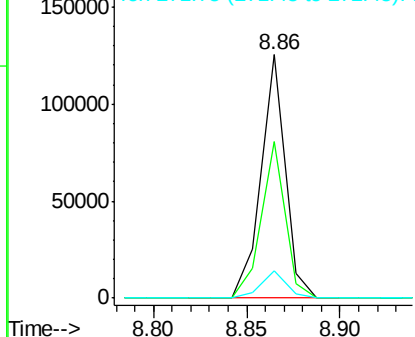
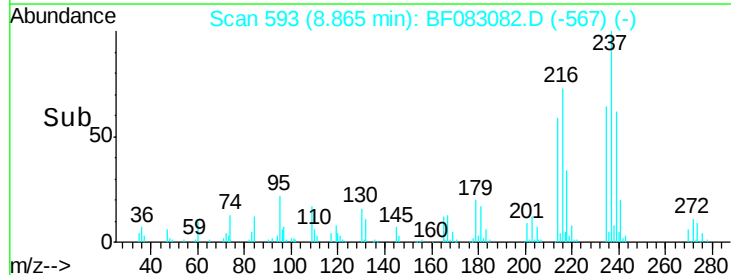


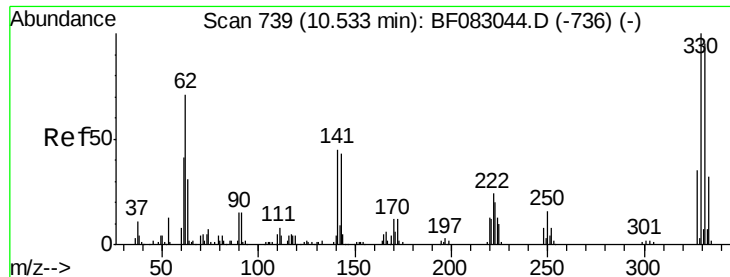
#40
 Hexachlorocyclopentadiene
 Concen: 26.72 ng
 RT: 8.86 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion:237	Resp:	112344
Ion Ratio	Lower	Upper
237	100	
235	64.1	44.1 84.1
272	11.3	0.0 30.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

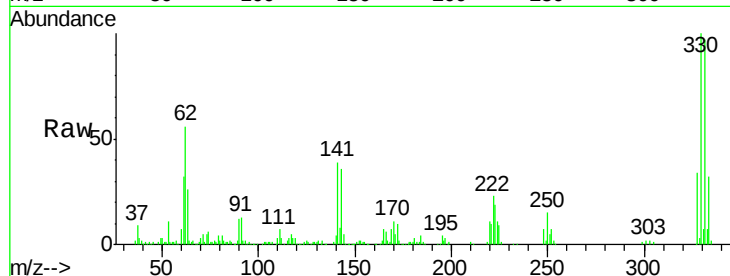




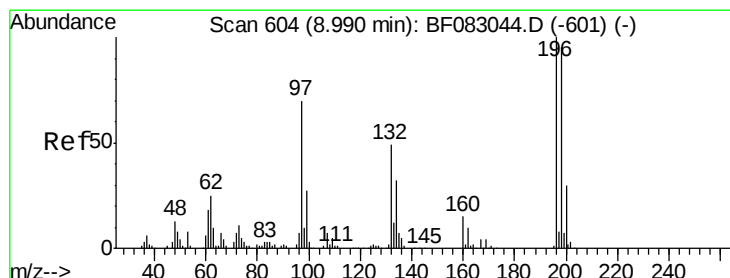
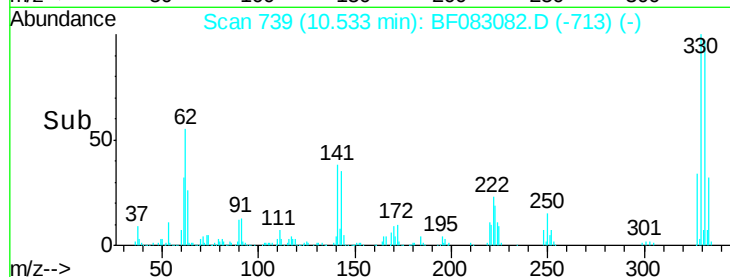
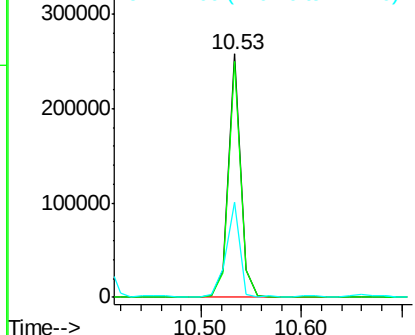
#41
 2,4,6-Tribromophenol
 Concen: 75.74 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	43.0	34.6	52.0

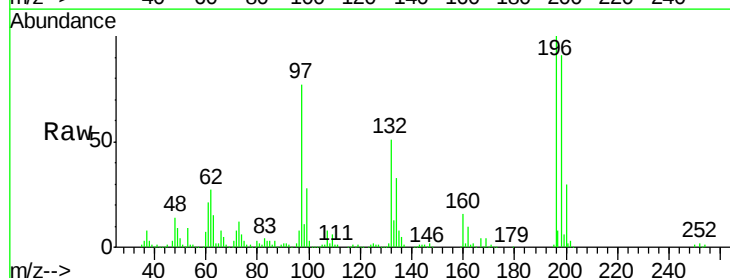


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

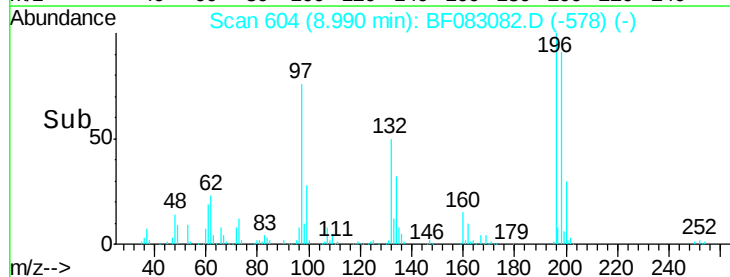
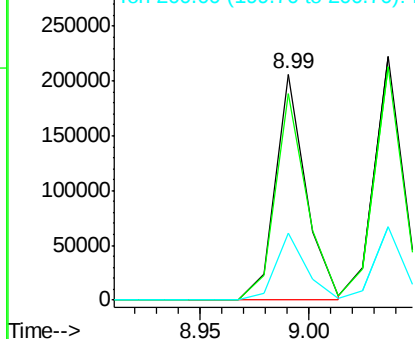


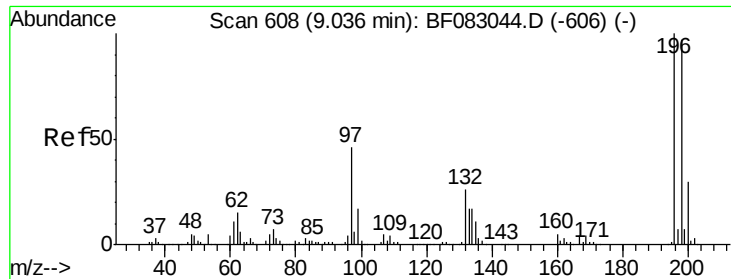
#42
 2,4,6-Trichlorophenol
 Concen: 31.14 ng
 RT: 8.99 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.2	75.9	113.9
200	29.6	24.0	36.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

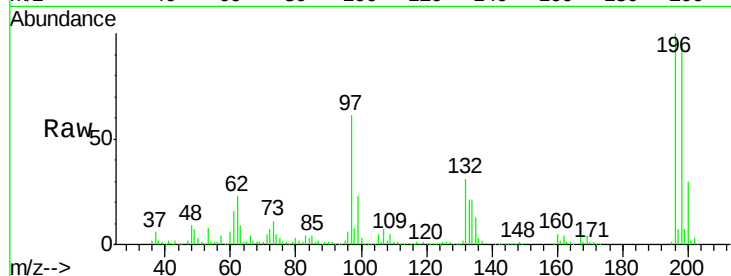




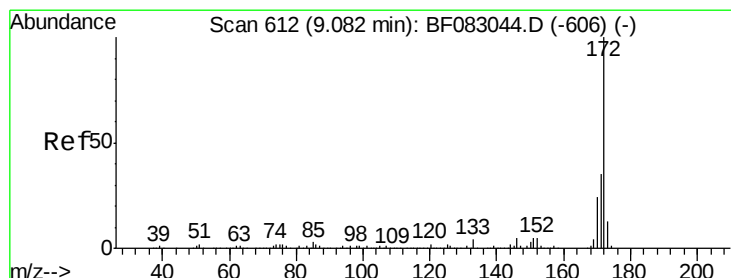
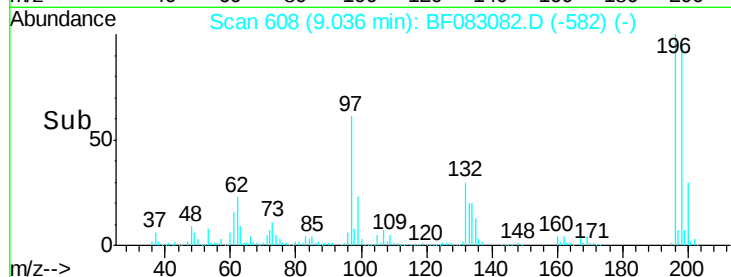
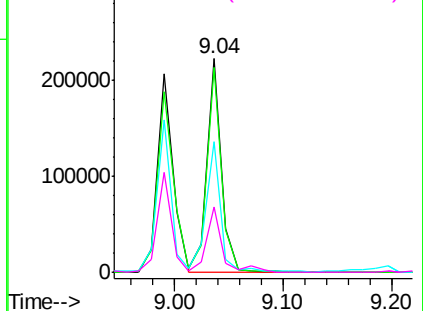
#43
2,4,5-Trichlorophenol
Concen: 31.95 ng
RT: 9.04 min Scan# 608
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.8	116.6
97	60.9	37.1	55.7
132	30.6	21.0	31.4

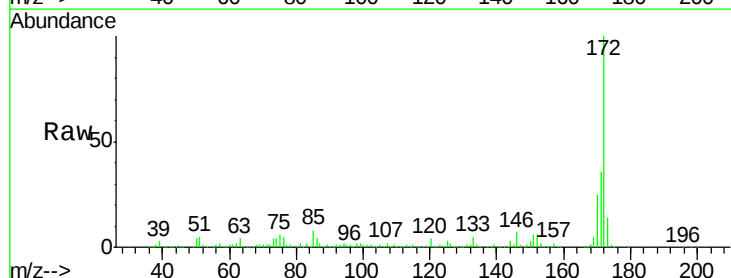


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

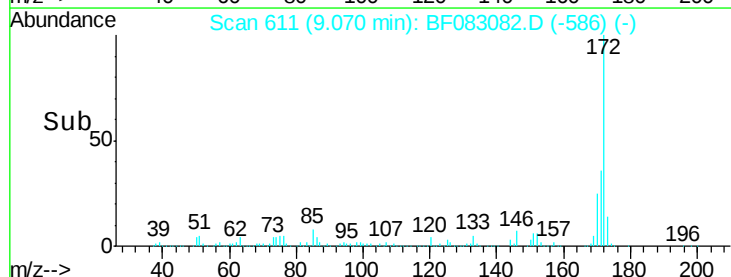
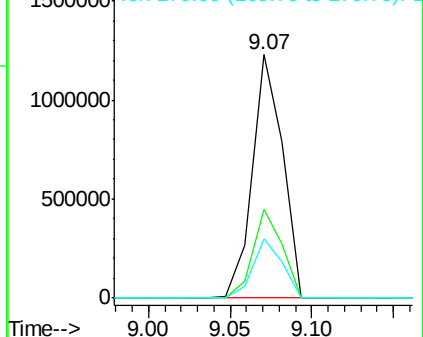


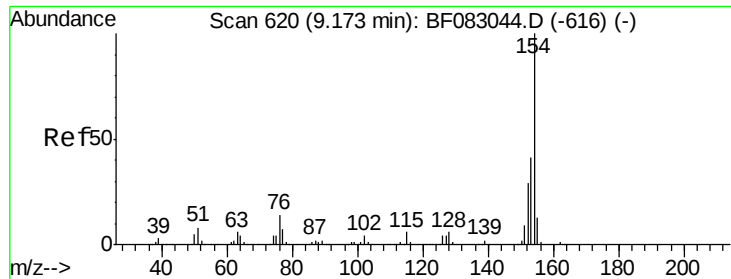
#44
2-Fluorobiphenyl
Concen: 77.47 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.6	19.4	29.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

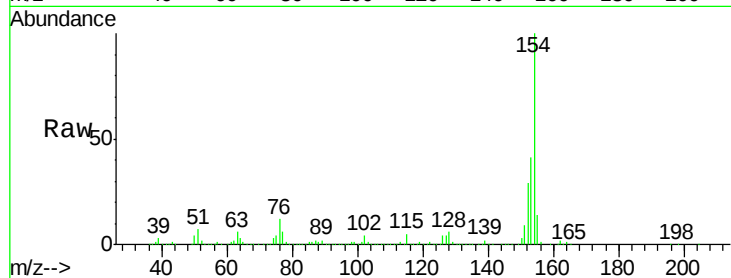




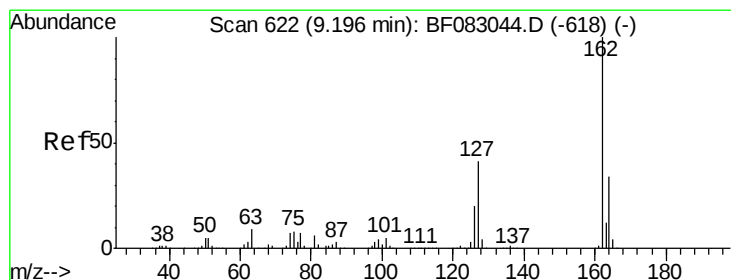
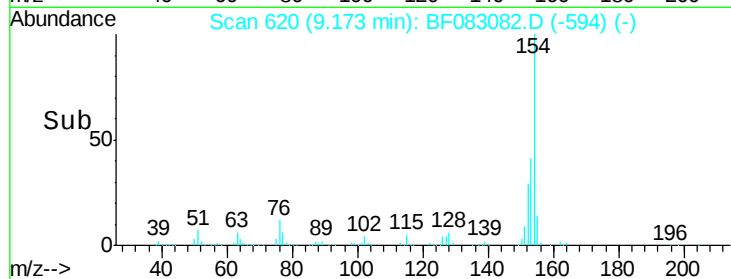
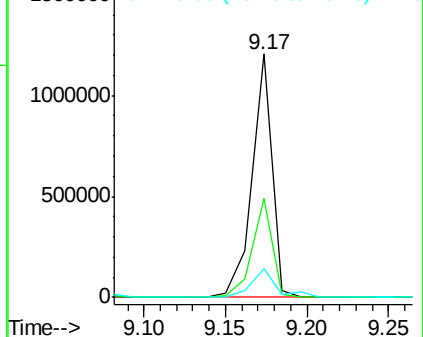
#45
 1,1'-Biphenyl
 Concen: 42.41 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion:154 Resp: 1020955
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.7 60.7
 76 12.0 0.0 34.0

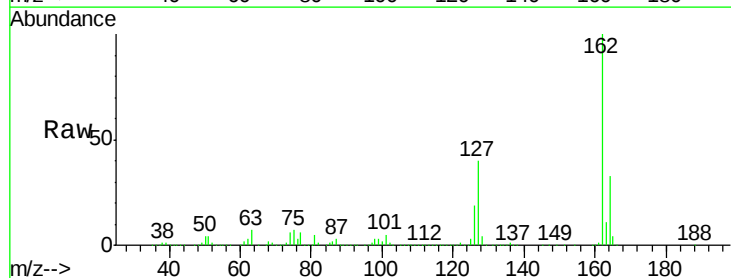


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

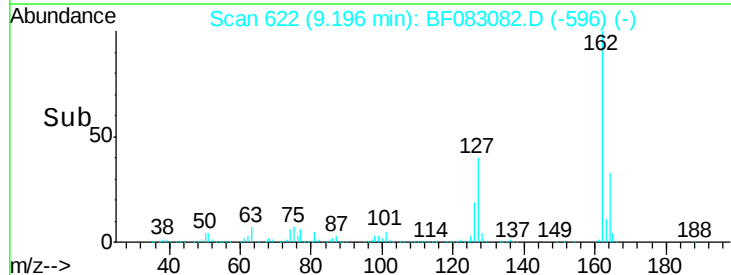
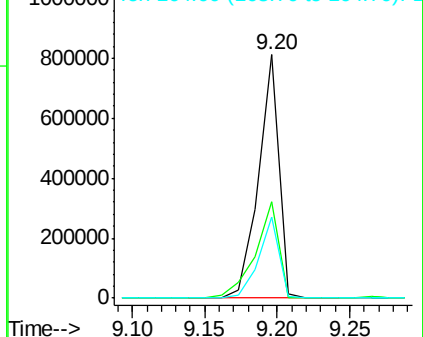


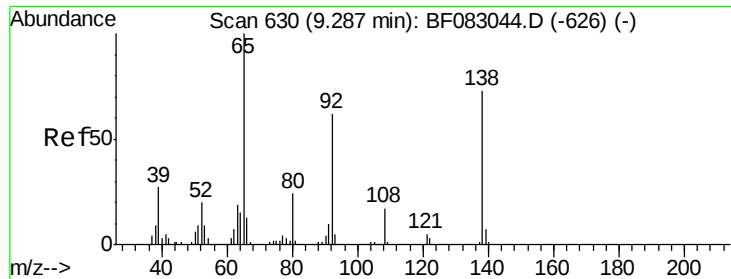
#46
 2-Chloronaphthalene
 Concen: 43.12 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion:162 Resp: 789819
 Ion Ratio Lower Upper
 162 100
 127 39.7 32.8 49.2
 164 33.1 26.9 40.3



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

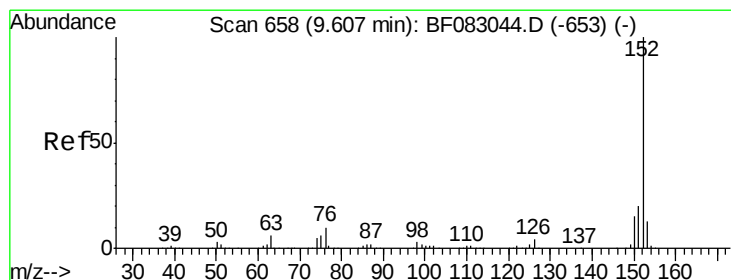
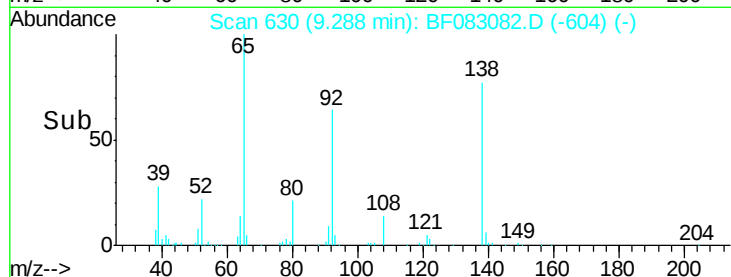
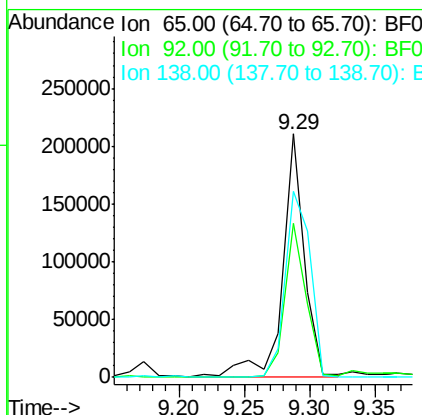
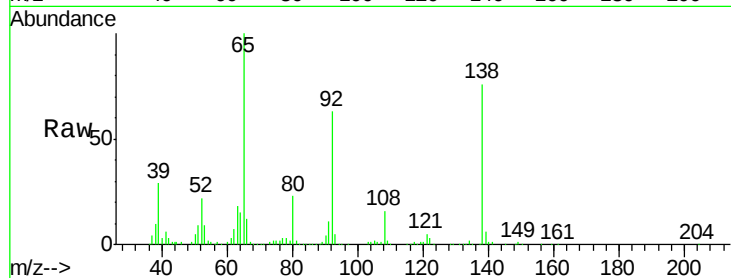




#47
2-Nitroaniline
Concen: 35.15 ng
RT: 9.29 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

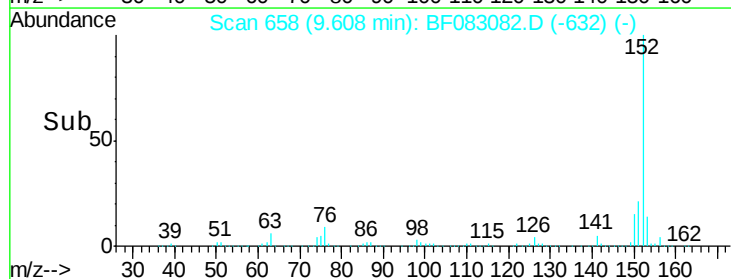
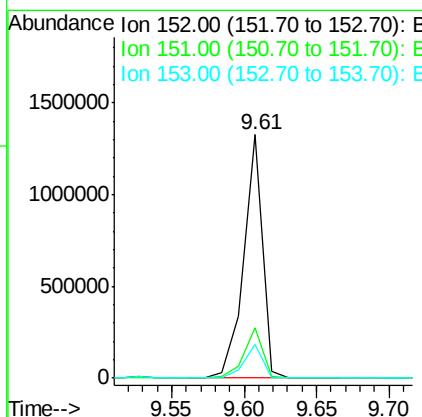
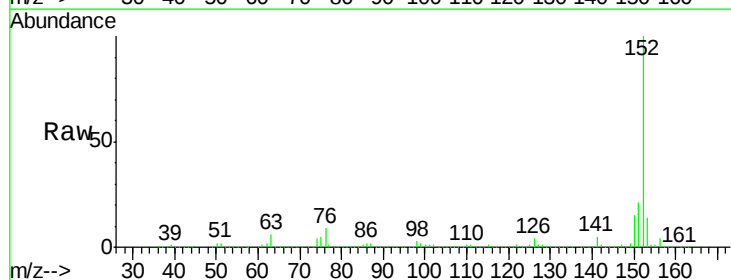
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

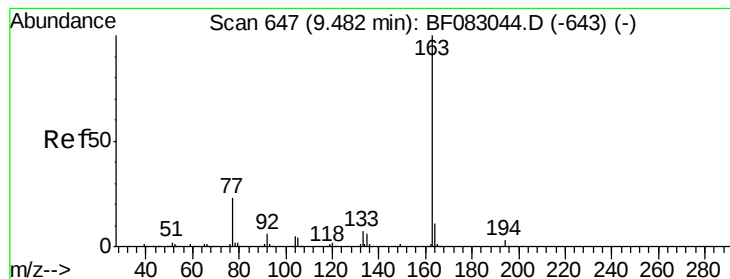
Tot Ion: 65 Resp: 242866
Ion Ratio Lower Upper
65 100
92 63.4 49.6 74.4
138 76.2 58.8 88.2



#48
Acenaphthylene
Concen: 39.49 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion: 152 Resp: 1190456
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 13.9 10.6 15.8





#49

Dimethylphthalate

Concen: 59.69 ng

RT: 9.48 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

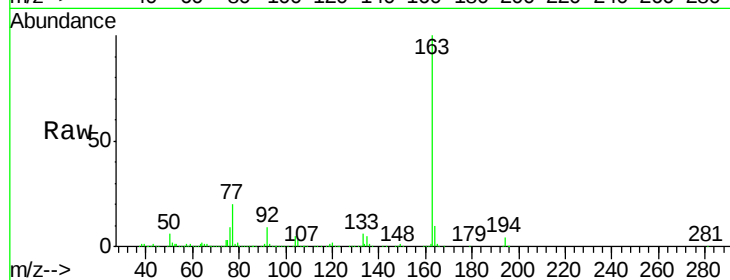
Tot Ion:163 Resp: 1344150

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

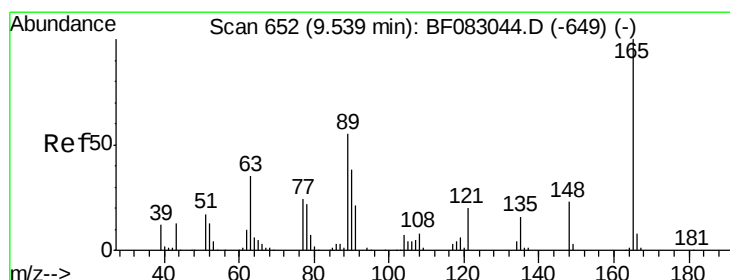
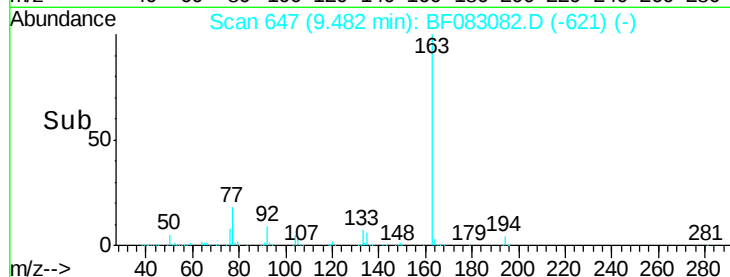
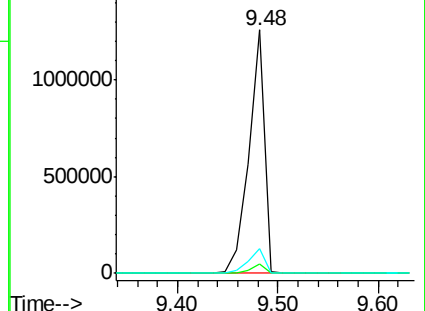
164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 26.84 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

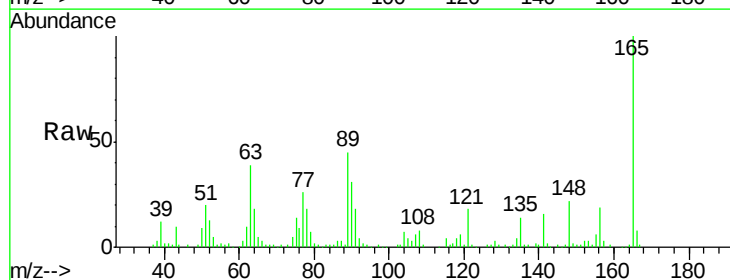
Tgt Ion:165 Resp: 130306

Ion Ratio Lower Upper

165 100

63 39.3 40.6 61.0#

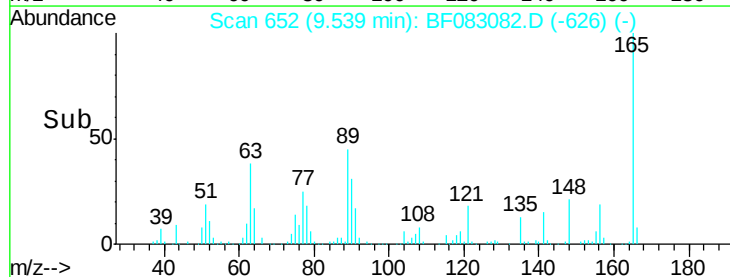
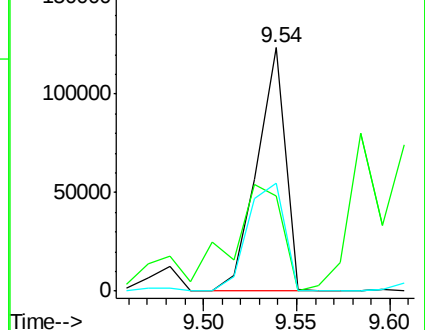
89 44.6 44.5 66.7

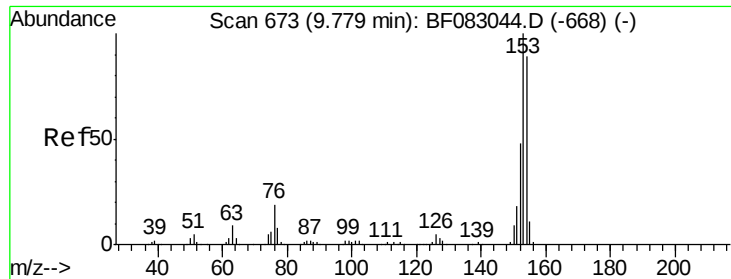


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.17 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

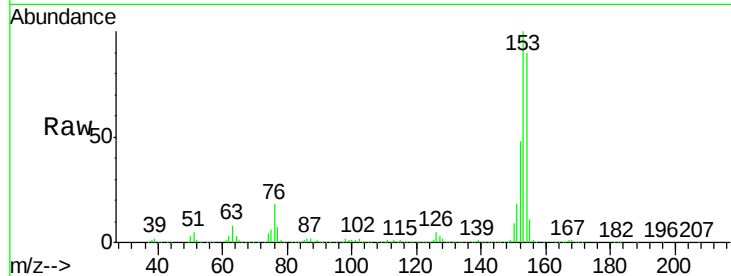
Tot Ion:154 Resp: 708296

Ion Ratio Lower Upper

154 100

153 111.0 90.1 135.1

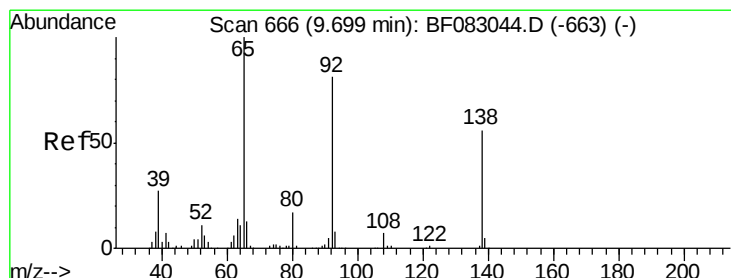
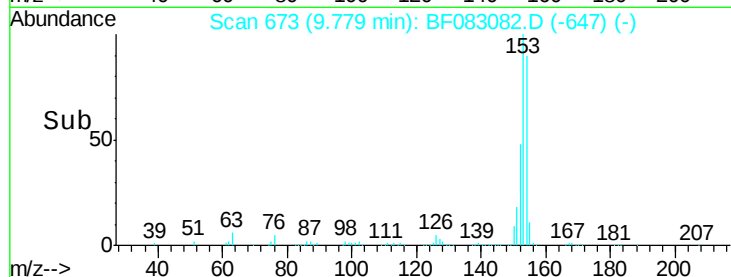
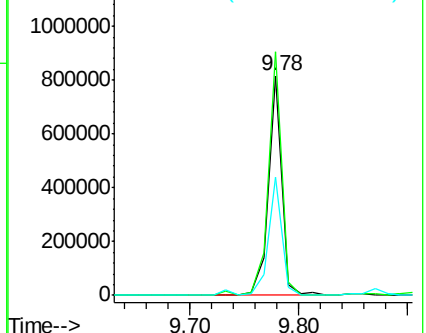
152 53.6 43.3 64.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 34.36 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

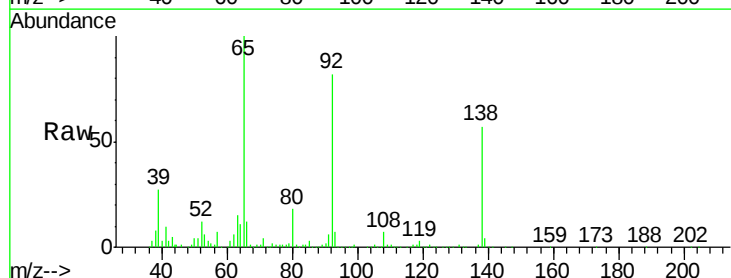
Tgt Ion:138 Resp: 190285

Ion Ratio Lower Upper

138 100

108 11.9 9.4 14.0

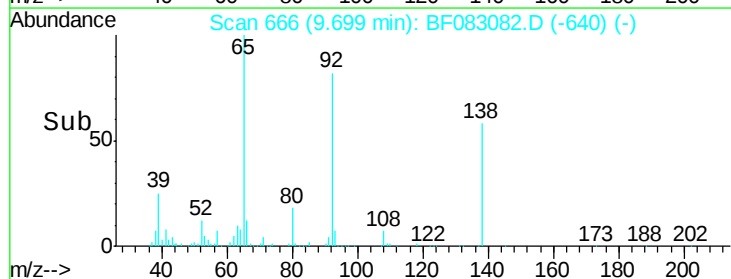
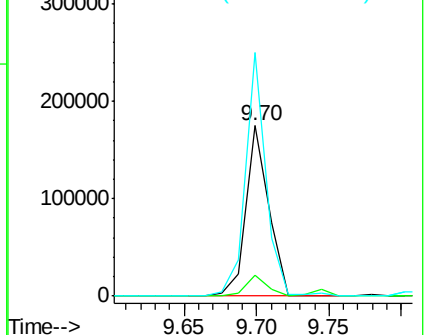
92 143.0 115.2 172.8

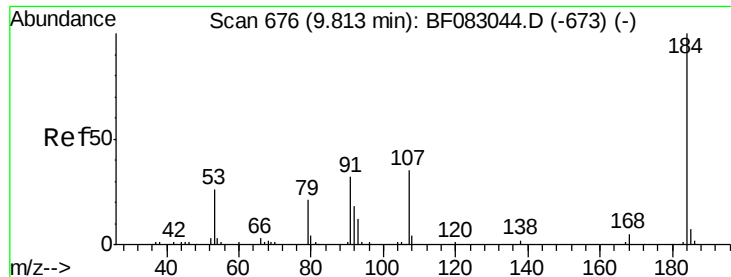


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

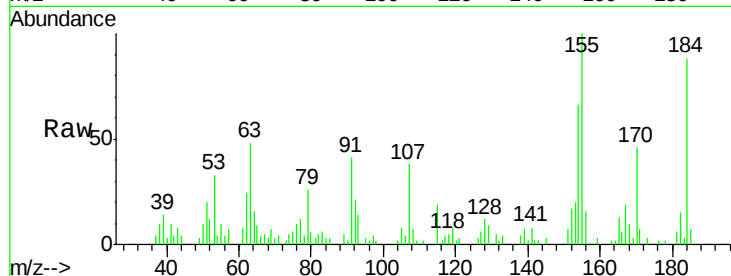




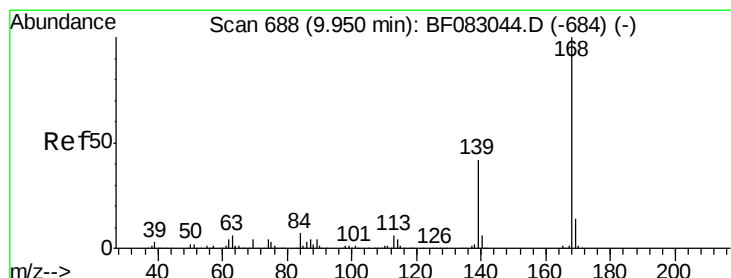
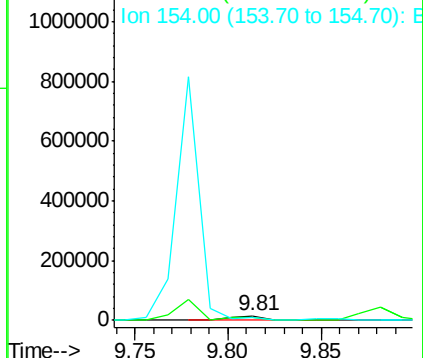
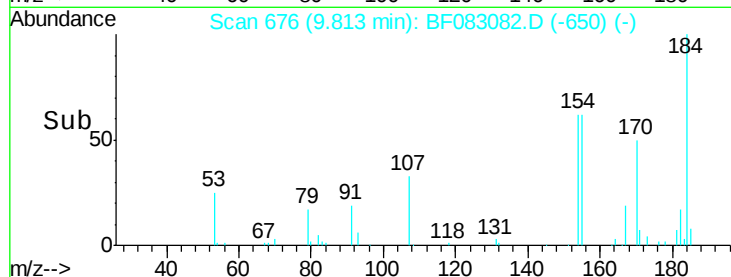
#53
2,4-Dinitrophenol
Concen: 7.72 na
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

Tot Ion:184 Resp: 19103
Ion Ratio Lower Upper
184 100
63 54.8 30.4 45.6#
154 74.7 44.9 67.3#

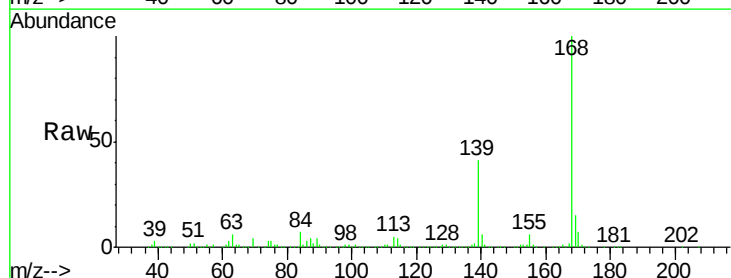


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

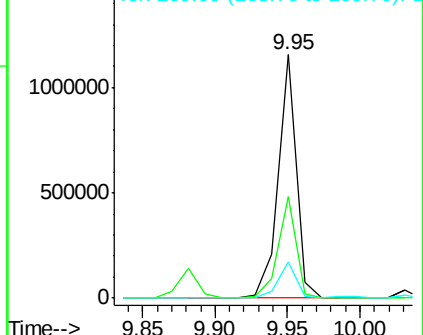
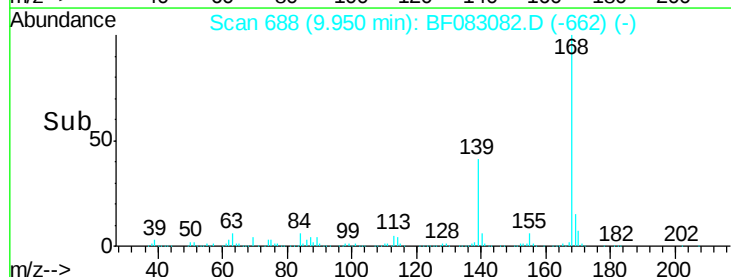


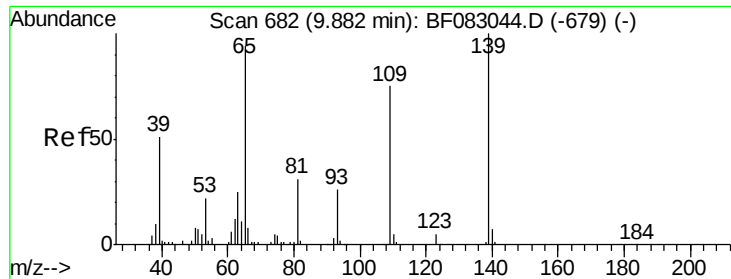
#54
Dibenzofuran
Concen: 39.25 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:168 Resp: 1002162
Ion Ratio Lower Upper
168 100
139 41.5 33.5 50.3
169 14.7 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

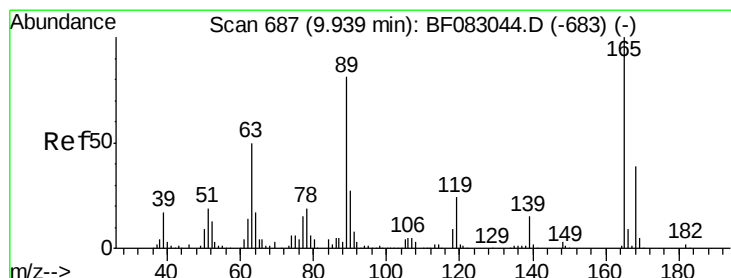
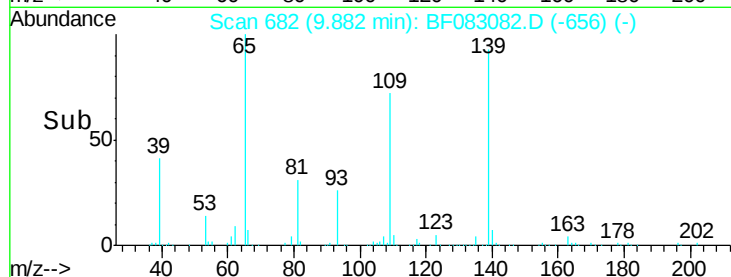
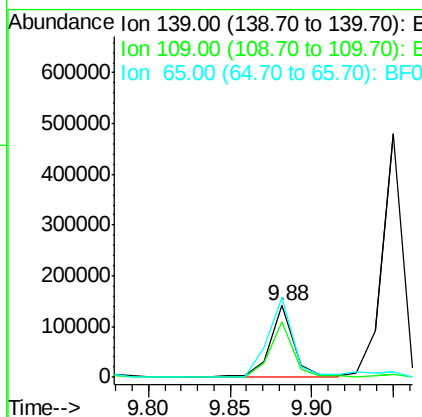
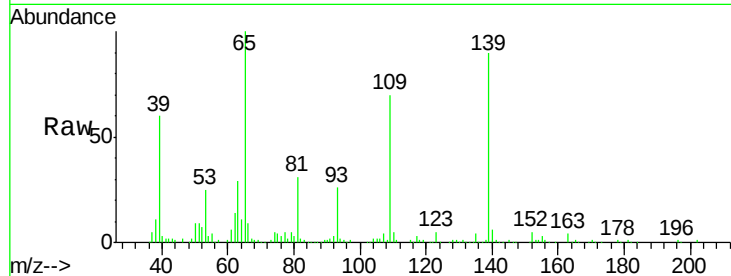




#55
4-Nitrophenol
Concen: 36.57 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

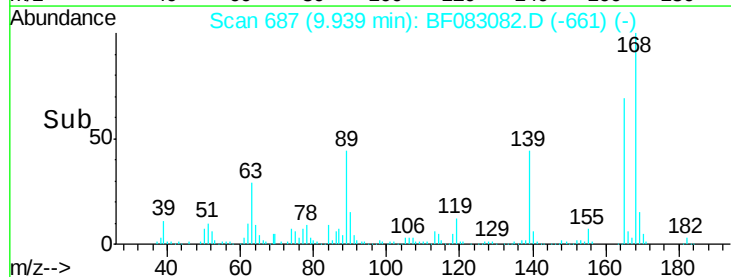
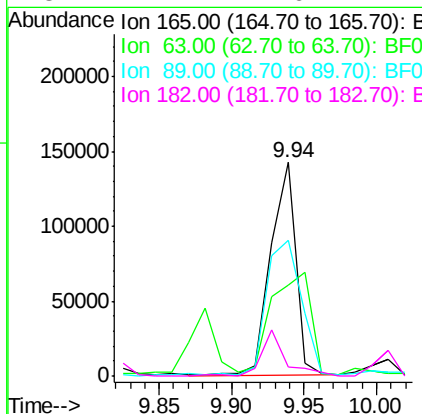
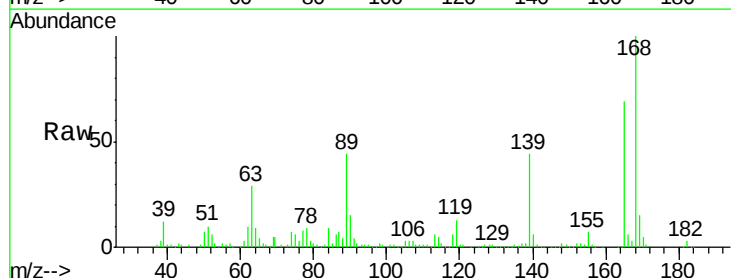
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

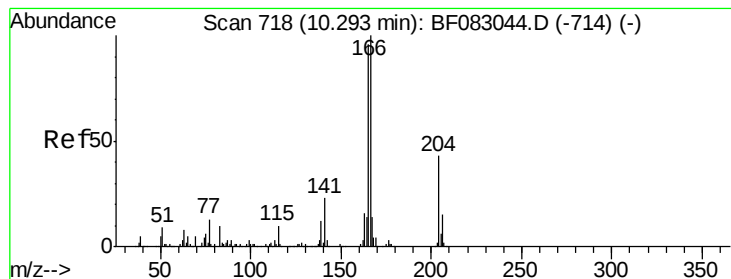
Tot Ion:139 Resp: 139023
Ion Ratio Lower Upper
139 100
109 77.8 54.6 94.6
65 110.9 74.4 114.4



#56
2,4-Dinitrotoluene
Concen: 26.52 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:165 Resp: 172304
Ion Ratio Lower Upper
165 100
63 42.4 40.6 61.0
89 63.4 64.4 96.6#
182 4.2 1.6 2.4#





#57

Fluorene

Concen: 40.04 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

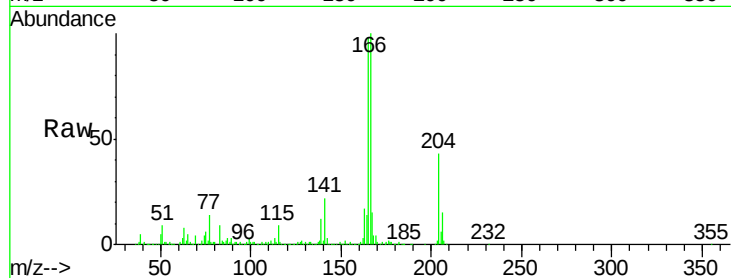
Tot Ion:166 Resp: 822645

Ion Ratio Lower Upper

166 100

165 97.6 77.1 115.7

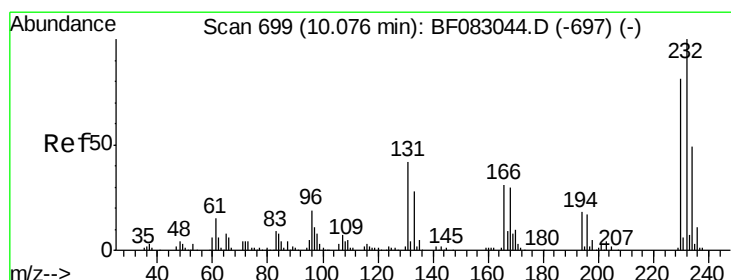
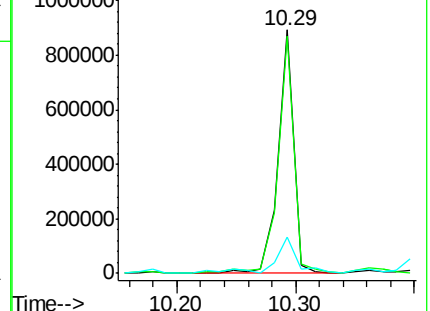
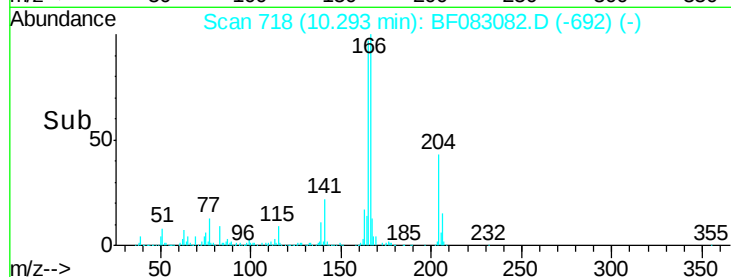
167 14.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 27.88 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Tgt Ion:232 Resp: 147100

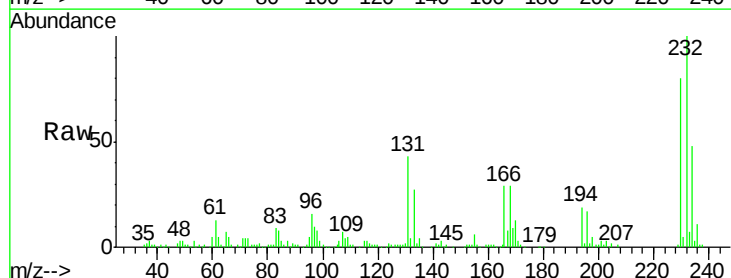
Ion Ratio Lower Upper

232 100

131 44.7 36.5 54.7

130 2.9 1.8 2.6#

166 30.5 25.4 38.0

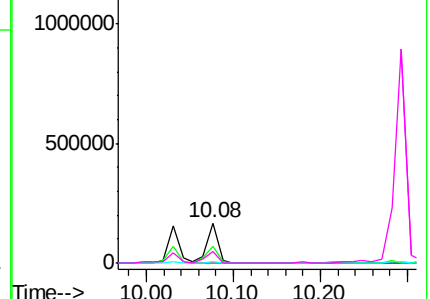
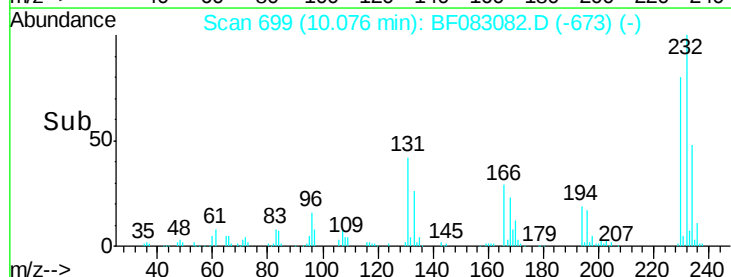


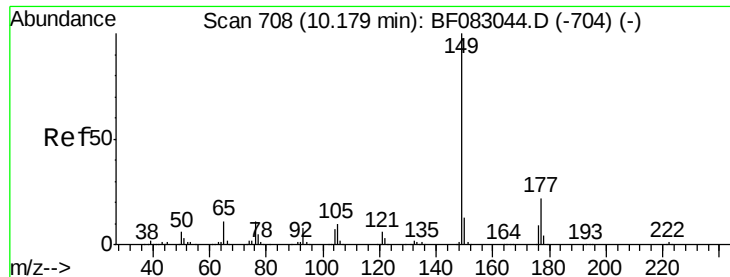
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

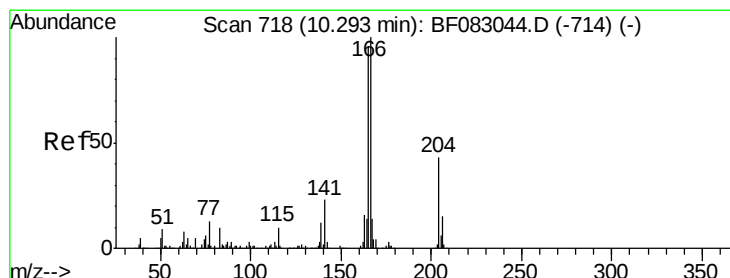
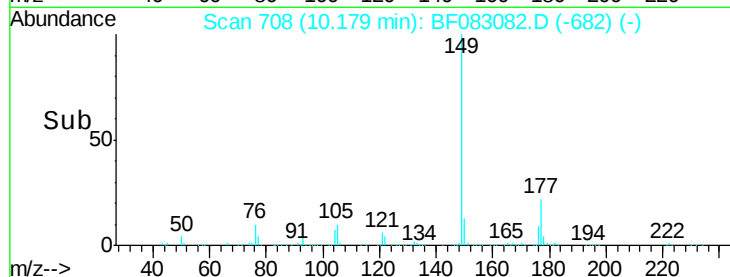
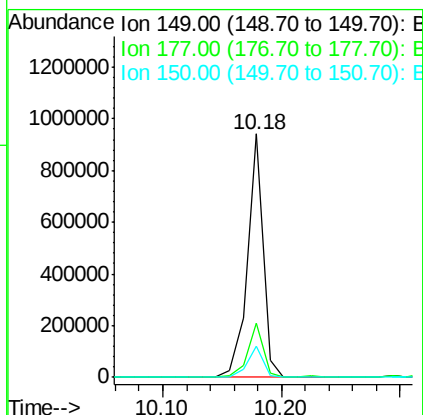
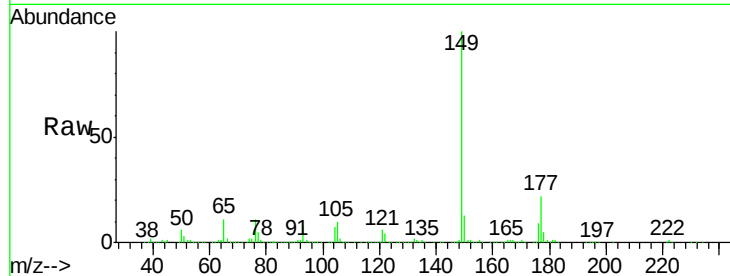




#59
Diethylphthalate
Concen: 39.54 ng
RT: 10.18 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

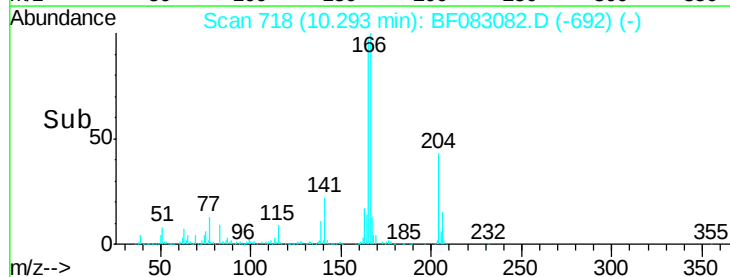
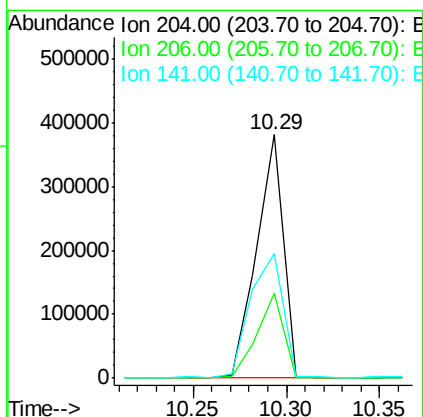
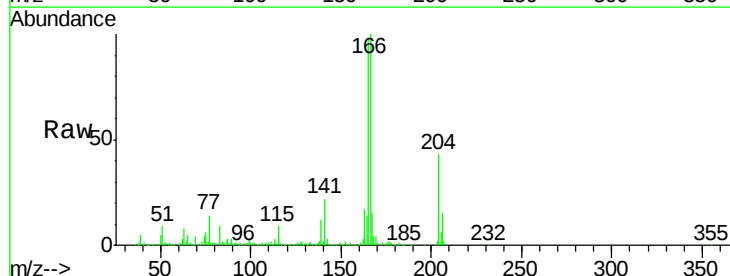
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

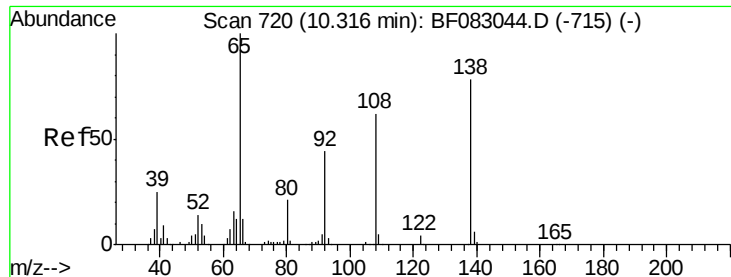
Tot Ion:149 Resp: 868328
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.2
150 13.0 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 39.24 ng
RT: 10.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:204 Resp: 377519
Ion Ratio Lower Upper
204 100
206 35.0 28.2 42.4
141 51.1 41.8 62.8

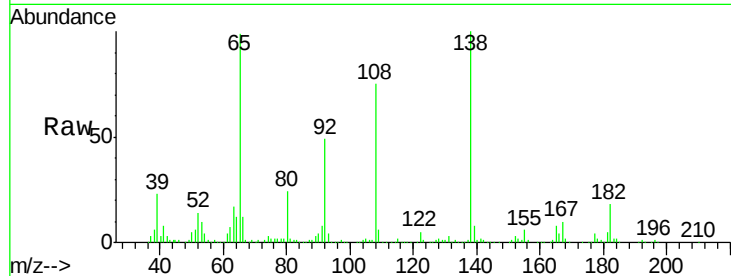




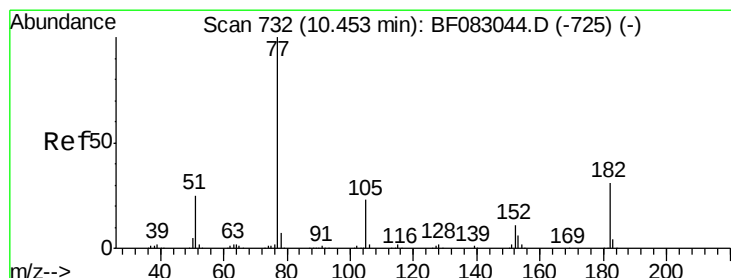
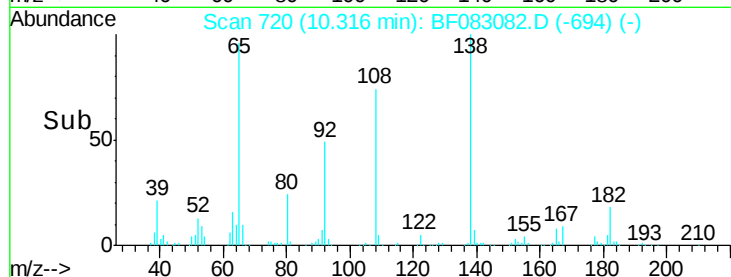
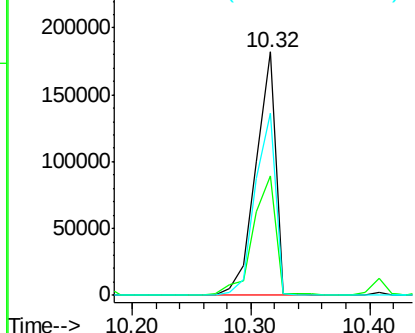
#61
4-Nitroaniline
Concen: 37.94 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

Tot Ion:138 Resp: 214563
Ion Ratio Lower Upper
138 100
92 49.1 36.4 76.4
108 74.8 59.6 99.6

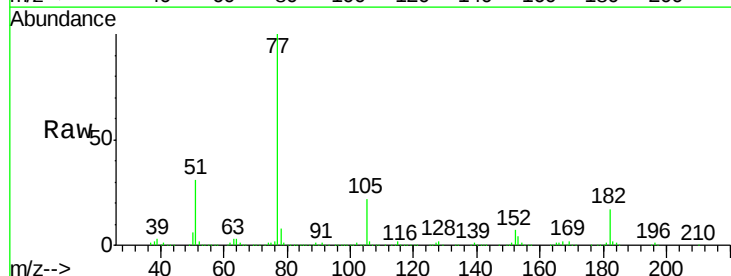


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

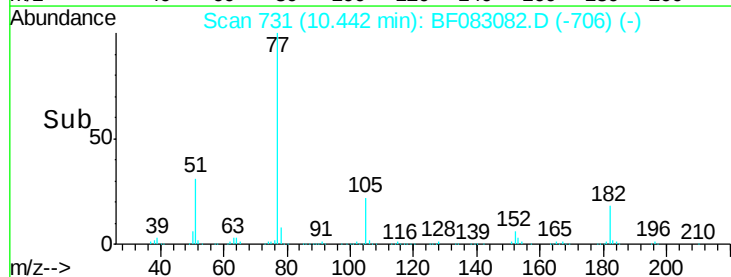
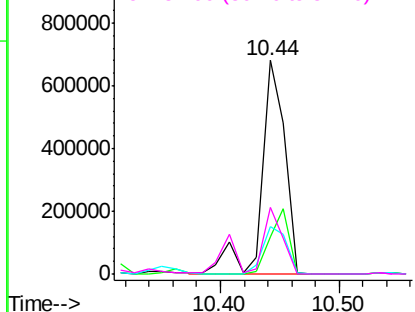


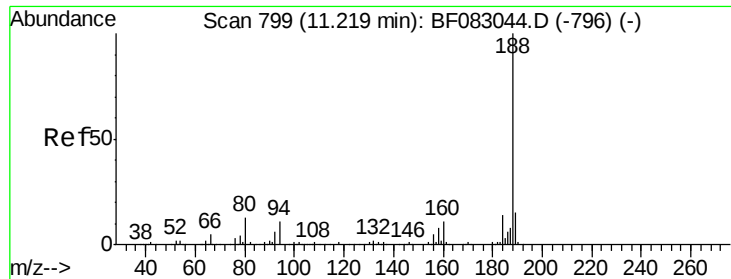
#62
Azobenzene
Concen: 37.59 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion: 77 Resp: 924783
Ion Ratio Lower Upper
77 100
182 17.4 10.8 50.8
105 21.9 3.4 43.4
51 31.4 4.7 44.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

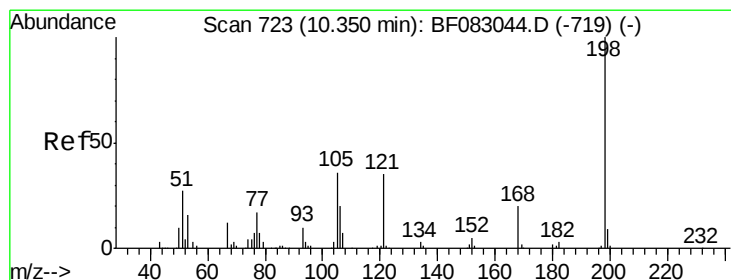
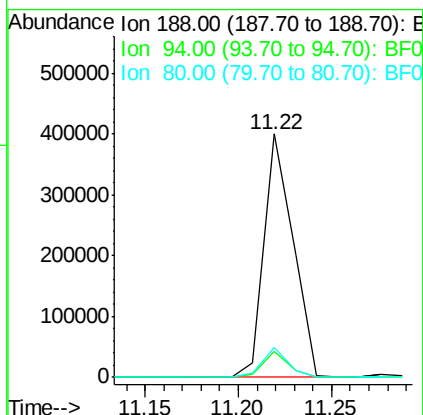
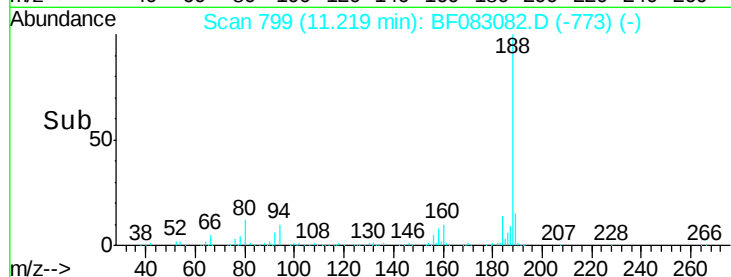
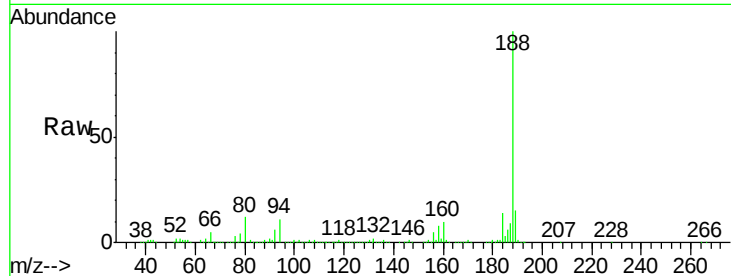




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

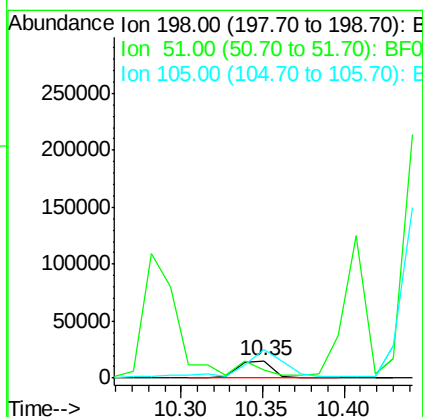
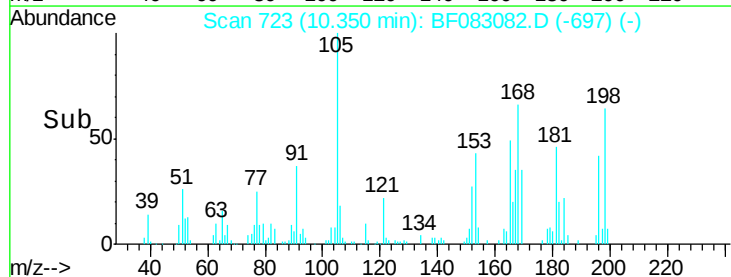
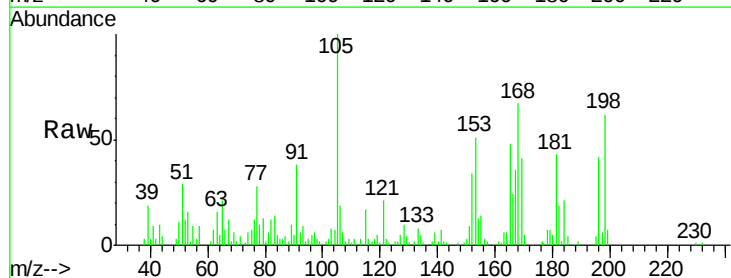
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

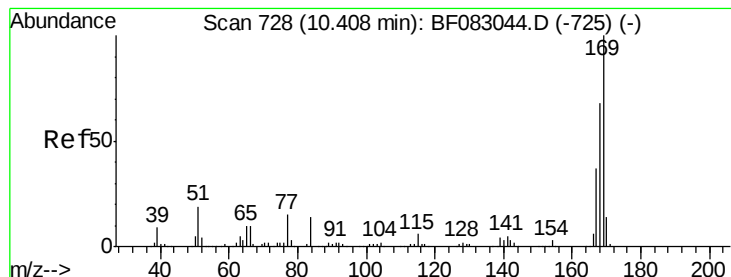
Tot Ion:188 Resp: 430072
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.4
80 12.1 10.2 15.4



#64
4,6-Dinitro-2-methylphenol
Concen: 8.28 ng
RT: 10.35 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:198 Resp: 22696
Ion Ratio Lower Upper
198 100
51 47.1 11.1 51.1
105 162.5 16.5 56.5#





#65

n-Nitrosodiphenylamine

Concen: 47.05 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

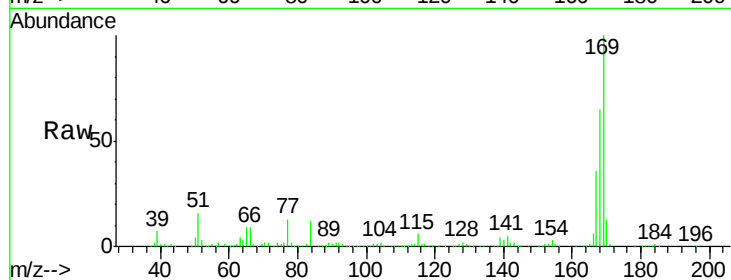
Tot Ion:169 Resp: 709011

Ion Ratio Lower Upper

169 100

168 65.4 54.2 81.2

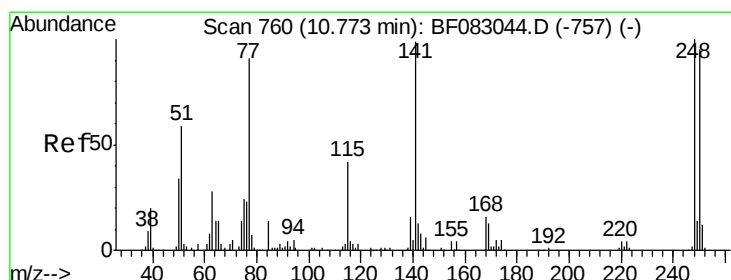
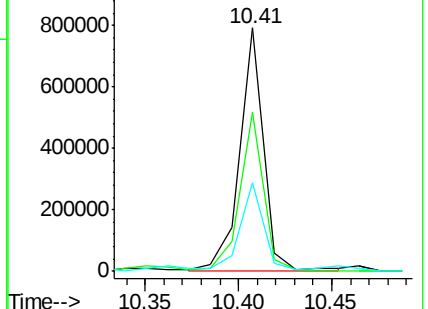
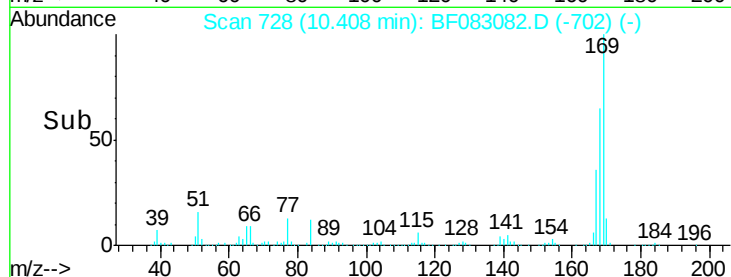
167 36.4 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 41.19 ng

RT: 10.77 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

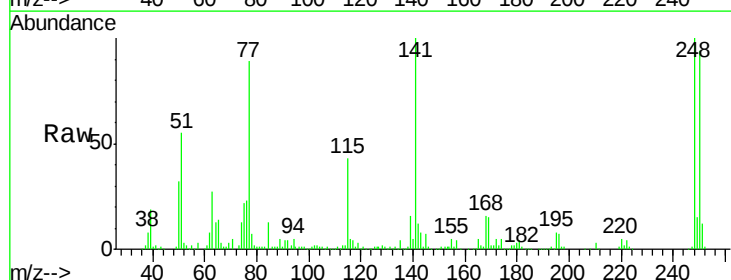
Tgt Ion:248 Resp: 205164

Ion Ratio Lower Upper

248 100

250 94.2 76.1 114.1

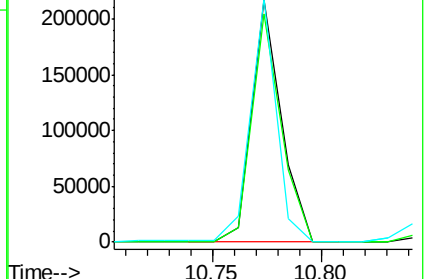
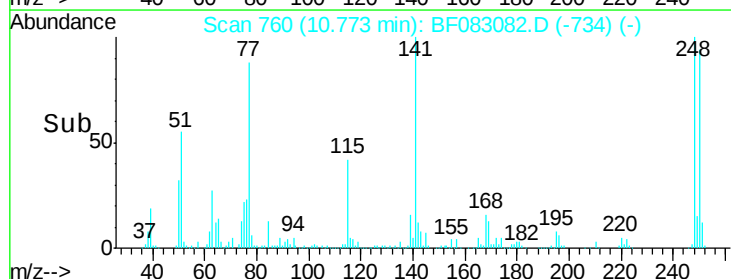
141 100.5 79.2 118.8

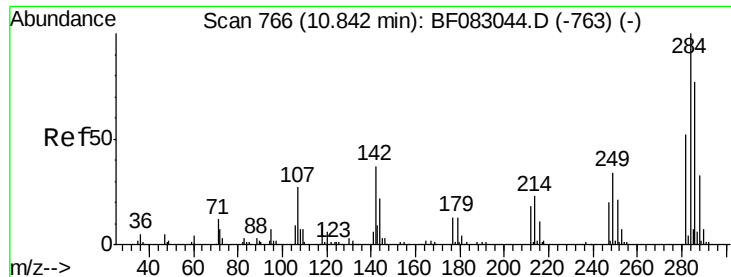


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 41.21 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

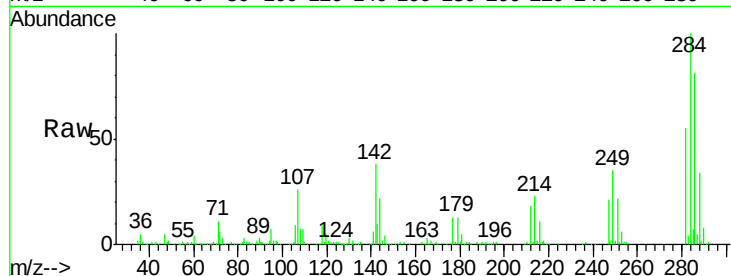
Tot Ion:284 Resp: 224523

Ion Ratio Lower Upper

284 100

142 38.1 29.5 44.3

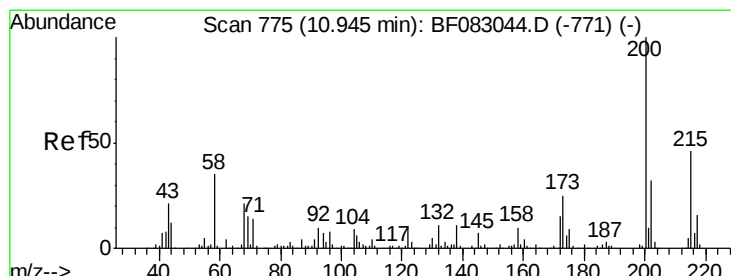
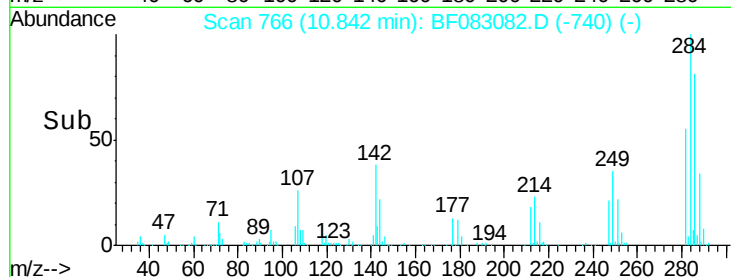
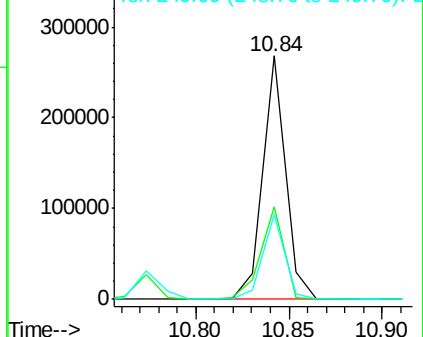
249 34.8 27.2 40.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 41.45 ng

RT: 10.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

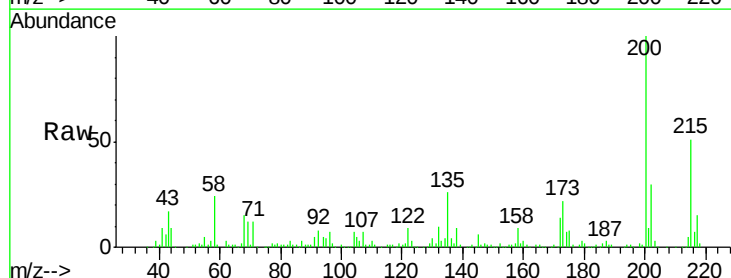
Tgt Ion:200 Resp: 195709

Ion Ratio Lower Upper

200 100

173 22.5 4.9 44.9

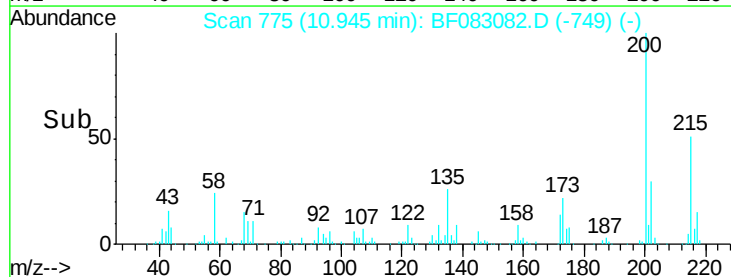
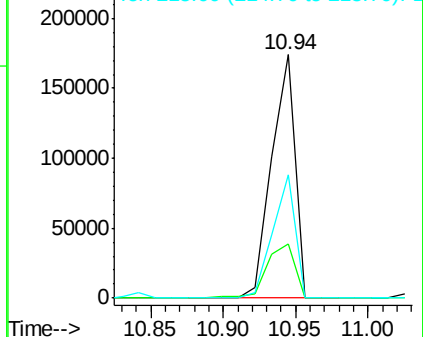
215 50.6 25.5 65.5

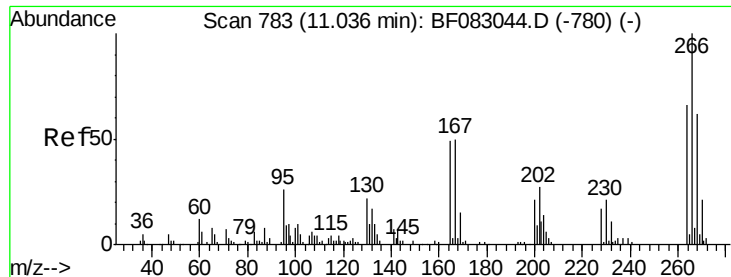


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

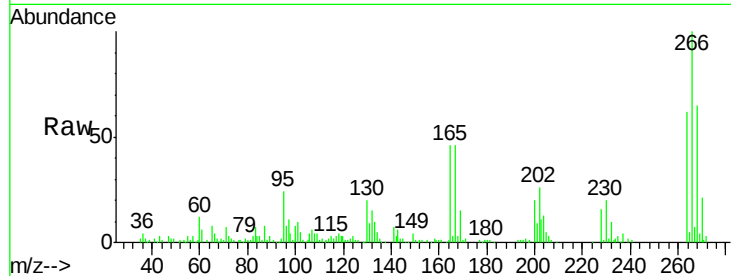




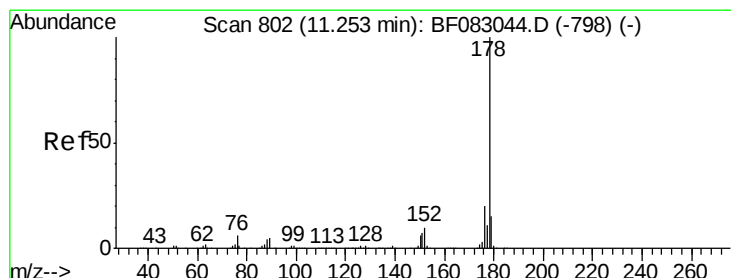
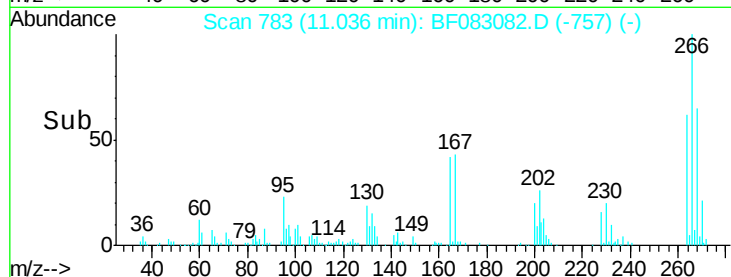
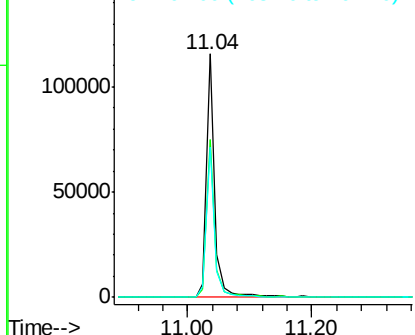
#69
 Pentachlorophenol
 Concen: 38.95 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion:266 Resp: 108312
 Ion Ratio Lower Upper
 266 100
 268 64.6 49.6 74.4
 264 61.9 52.7 79.1

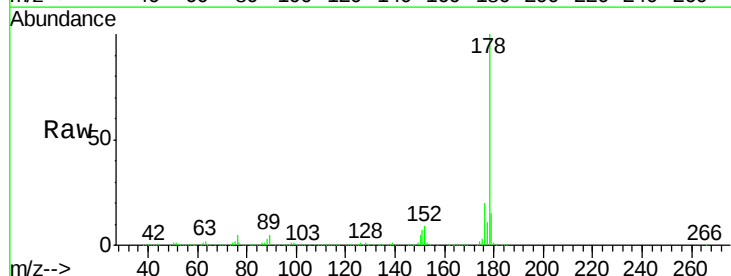


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

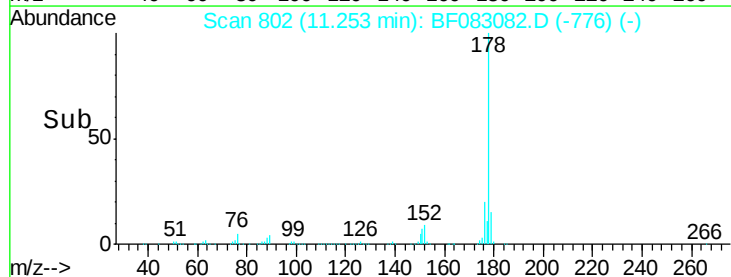
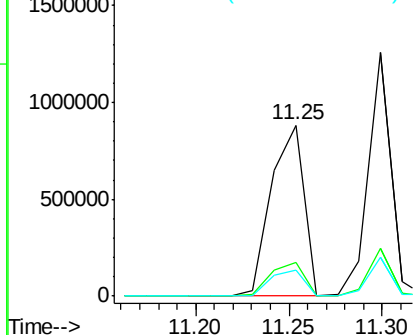


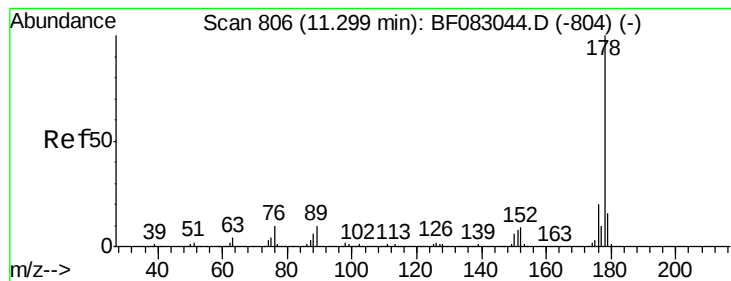
#70
 Phenanthrene
 Concen: 41.59 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion:178 Resp: 1079229
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.6 23.4
 179 15.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 40.02 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

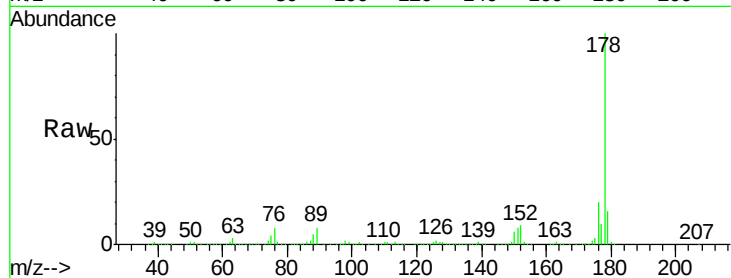
Tot Ion:178 Resp: 1046141

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.8	13.1	19.7

178 100

176 19.5 15.8 23.6

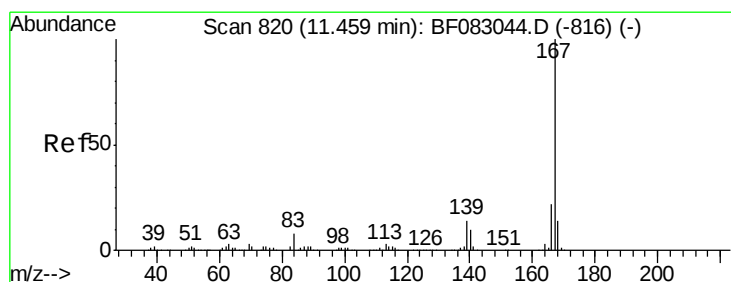
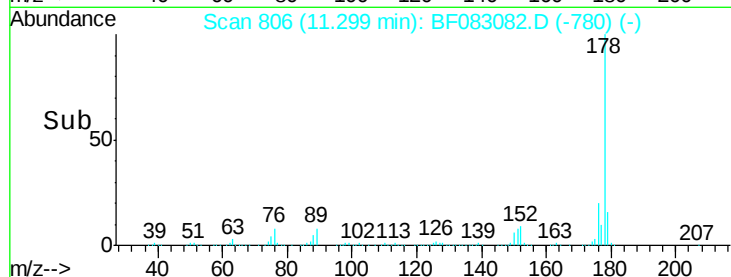
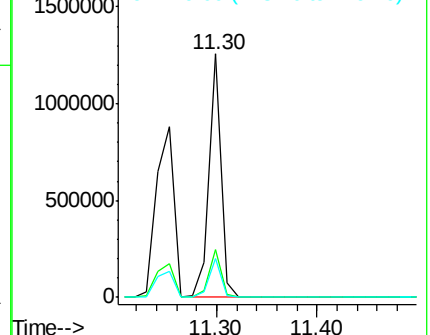
179 15.8 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 43.32 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

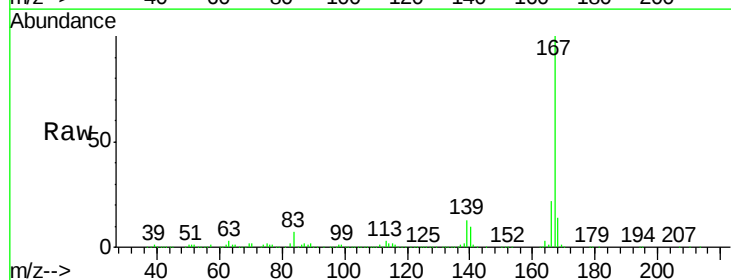
Tgt Ion:167 Resp: 989857

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	12.9	11.0	16.4

167 100

166 21.8 17.8 26.6

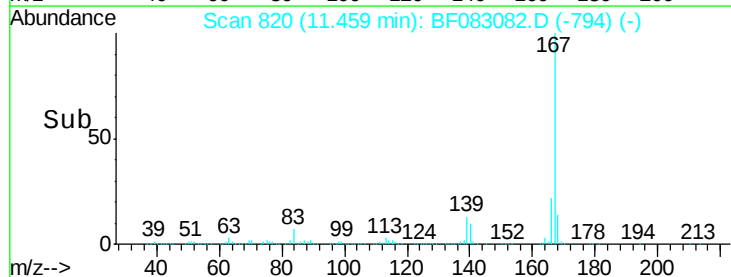
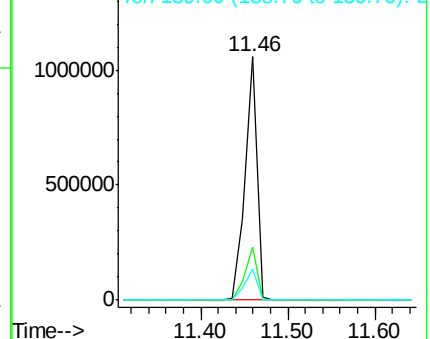
139 12.9 11.0 16.4

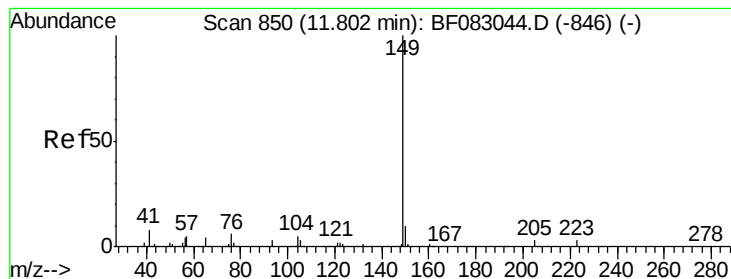


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.97 ng

RT: 11.80 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

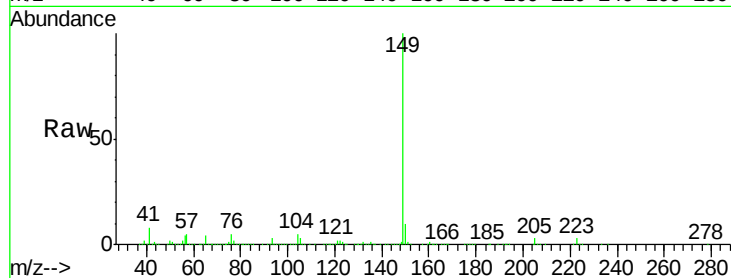
Tot Ion:149 Resp: 1238216

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.8

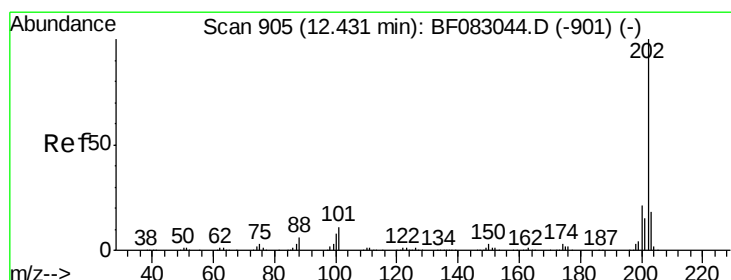
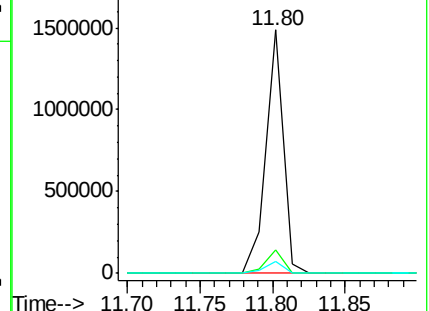
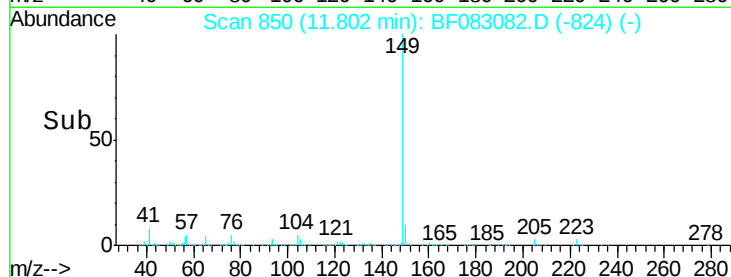
104 5.1 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.45 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

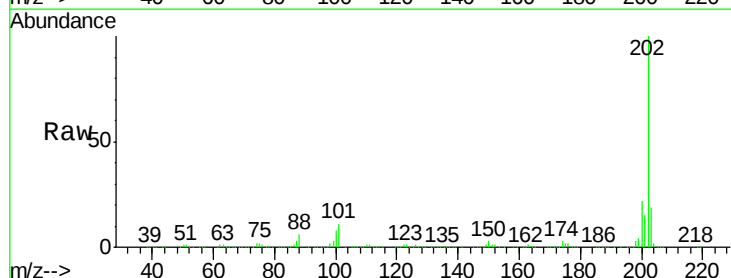
Tgt Ion:202 Resp: 1012807

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.1

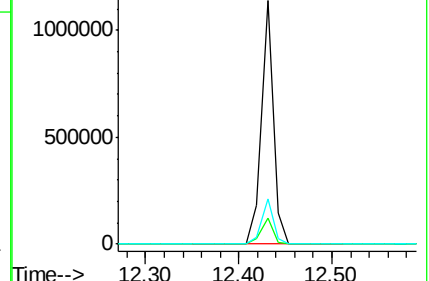
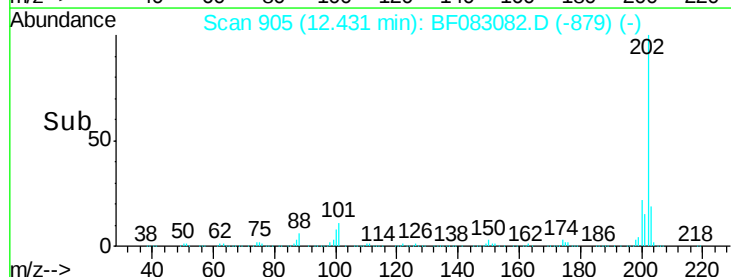
203 18.6 0.0 38.4

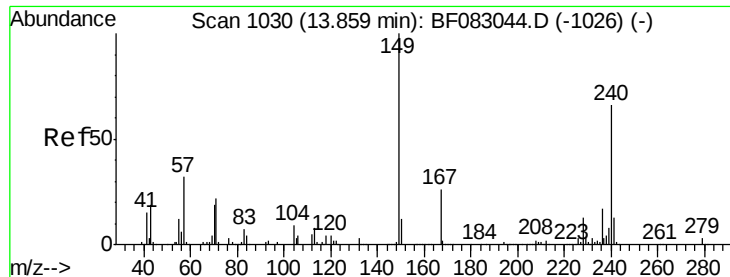


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

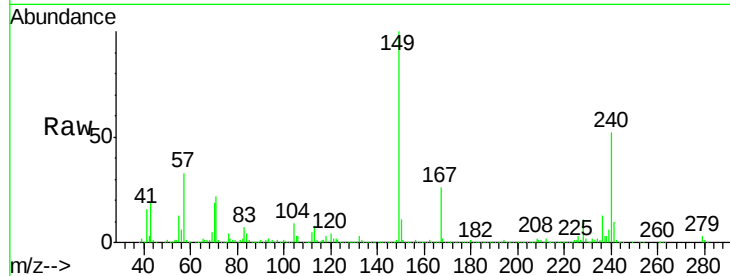
Tot Ion:240 Resp: 377400

Ion Ratio Lower Upper

240 100

120 6.9 5.3 7.9

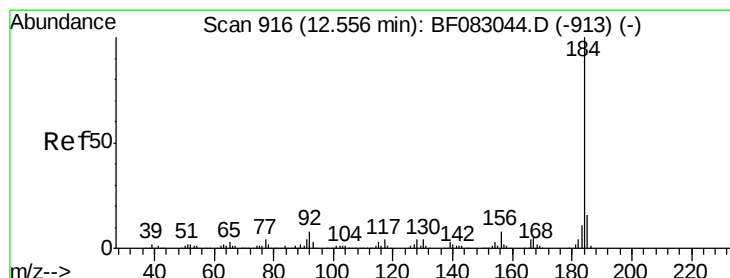
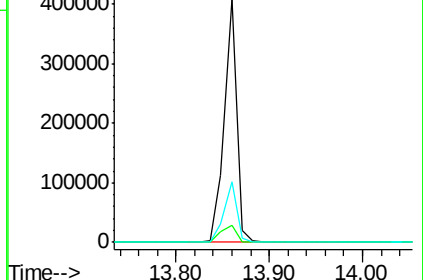
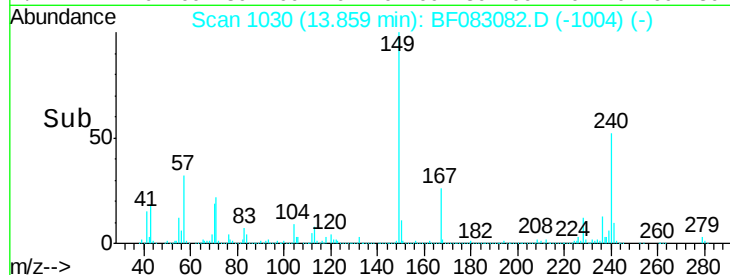
236 24.6 20.4 30.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 27.33 ng

RT: 12.56 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

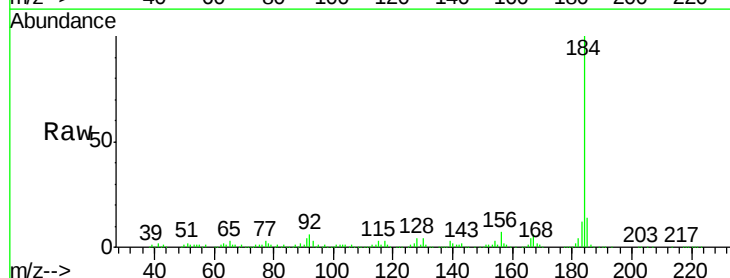
Tgt Ion:184 Resp: 337451

Ion Ratio Lower Upper

184 100

185 14.2 12.6 19.0

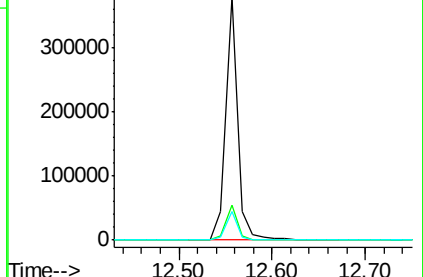
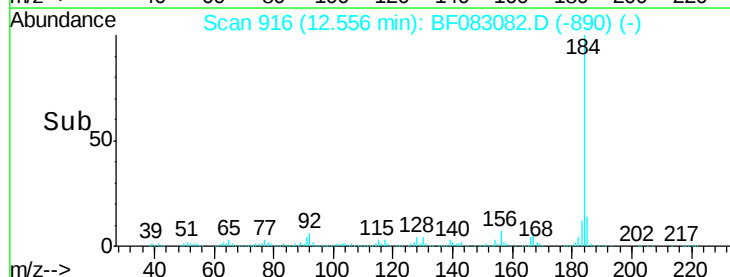
183 11.9 9.0 13.4

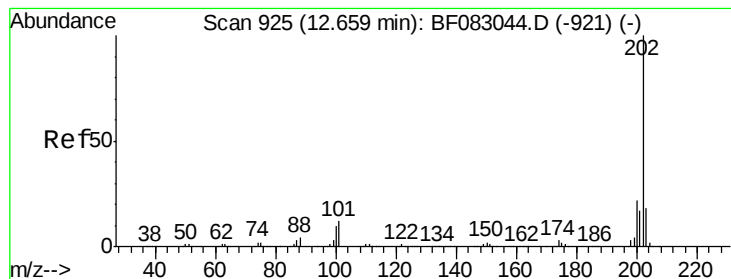


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.24 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

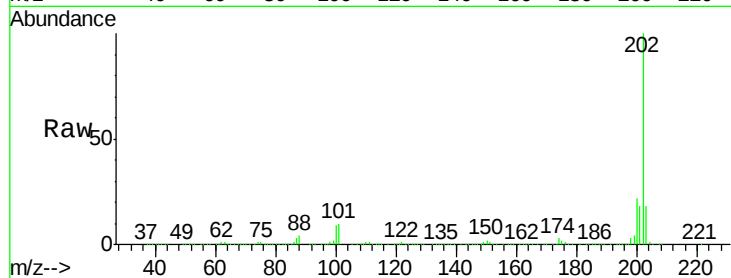
Tot Ion:202 Resp: 1095632

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

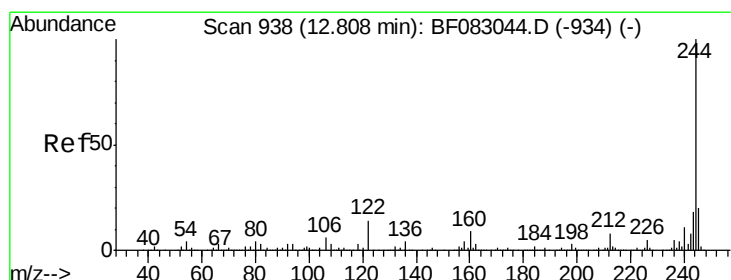
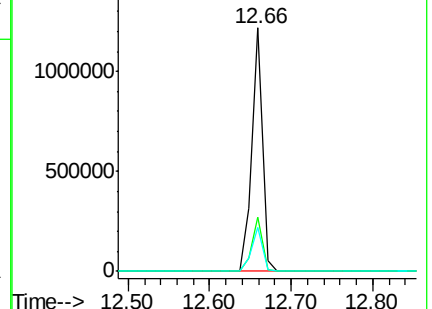
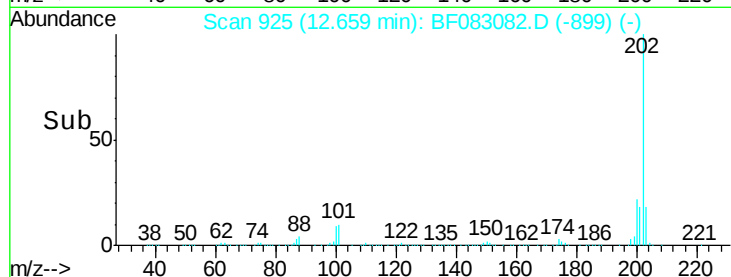
203 18.2 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.21 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

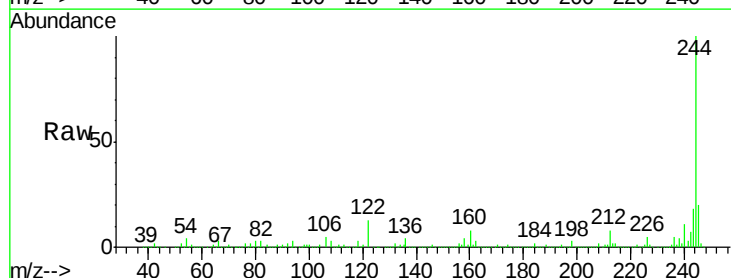
Tgt Ion:244 Resp: 1218300

Ion Ratio Lower Upper

244 100

212 8.5 6.4 9.6

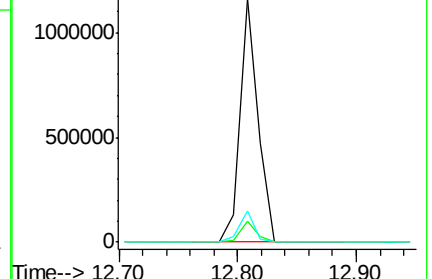
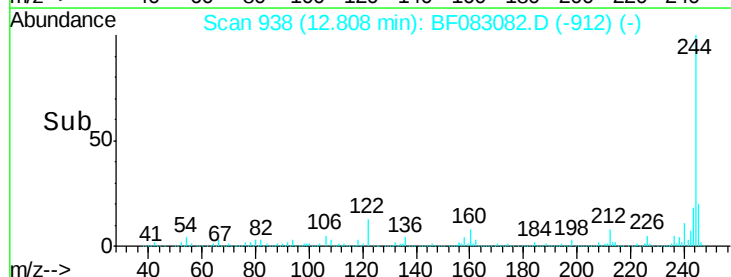
122 12.9 10.9 16.3

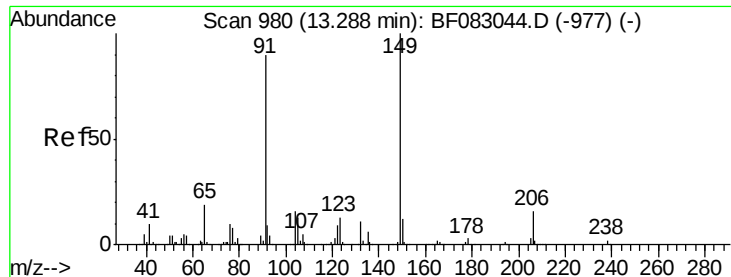


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

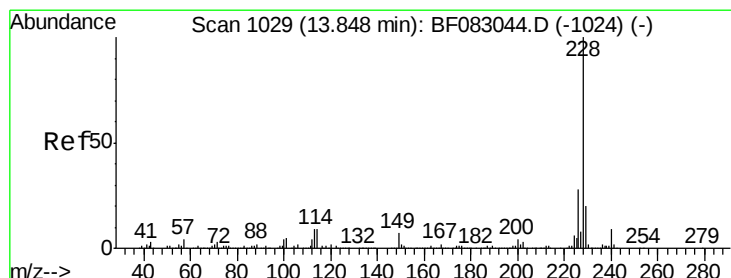
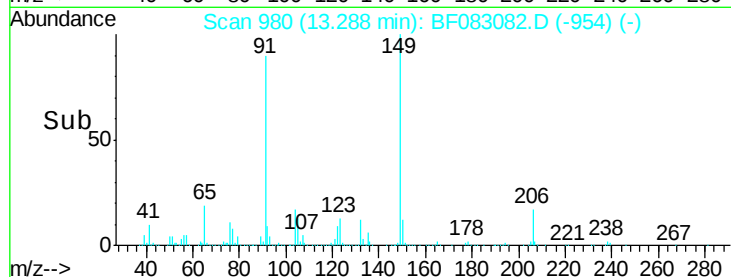
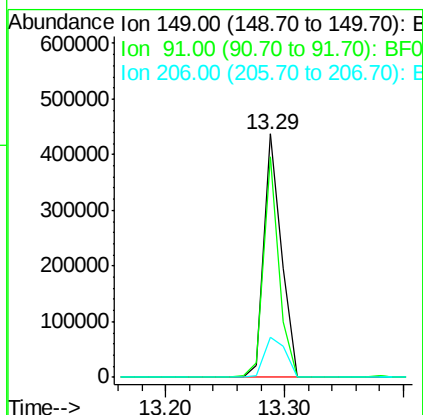
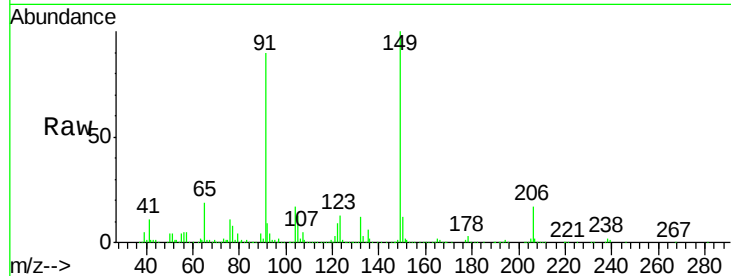




#79
Butylbenzylphthalate
Concen: 38.29 ng
RT: 13.29 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

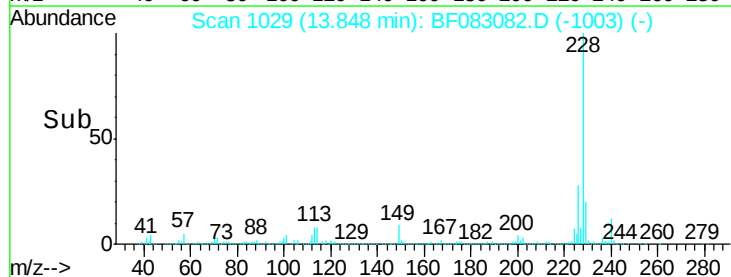
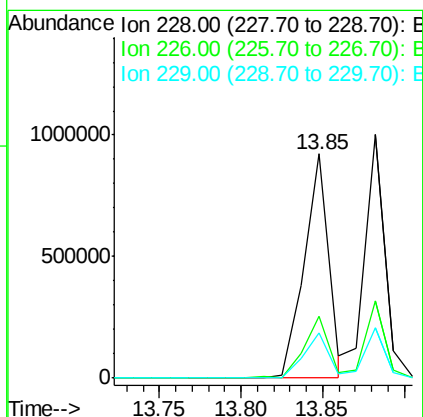
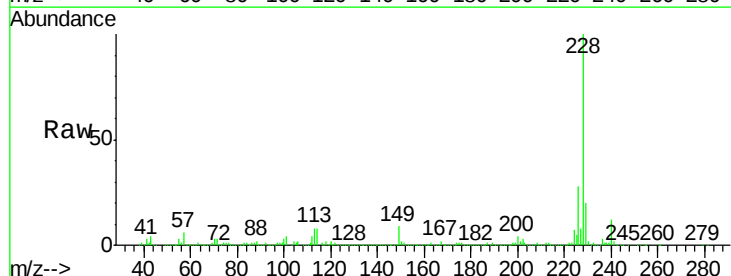
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

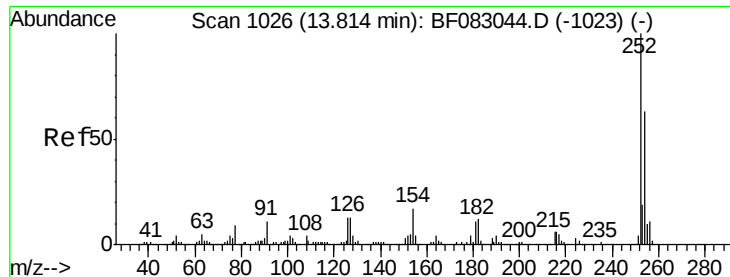
Tot Ion	Ratio	Lower	Upper
149	100		
91	90.4	71.9	107.9
206	16.7	13.1	19.7



#80
Benzo(a)anthracene
Concen: 40.26 ng
RT: 13.85 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	20.4	16.1	24.1

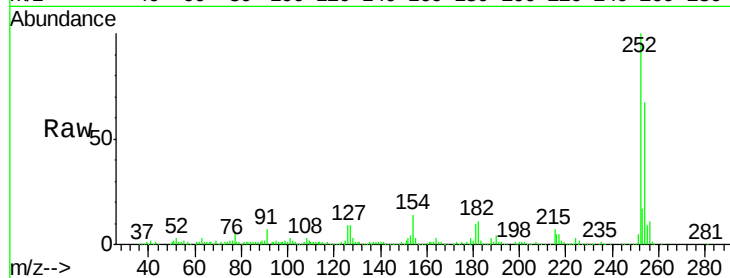




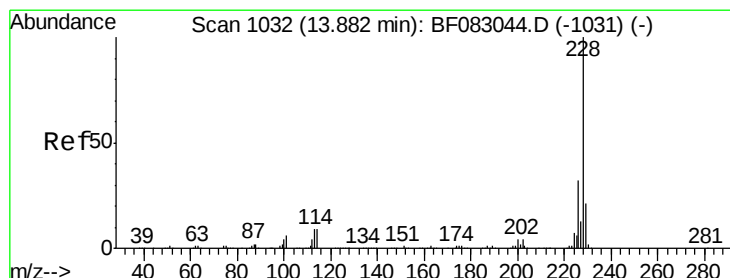
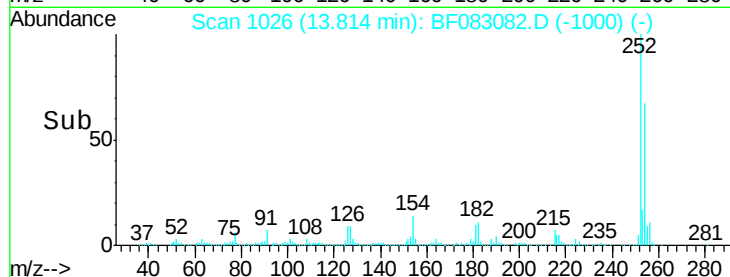
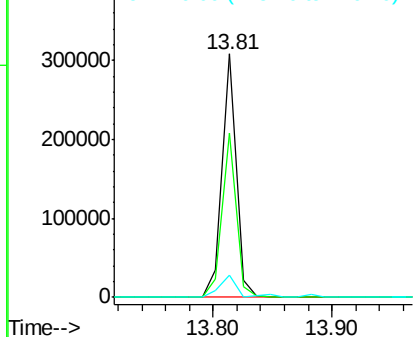
#81
 3,3'-Dichlorobenzidine
 Concen: 31.61 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	67.3	50.6	76.0
126	9.1	10.2	15.4

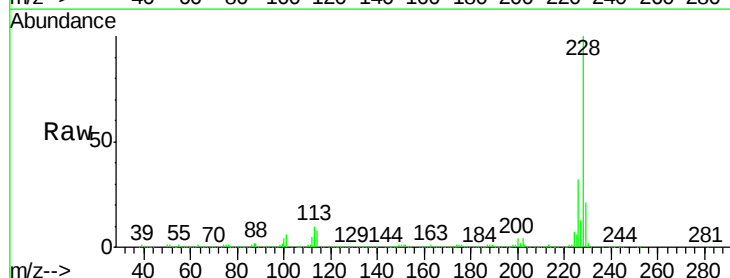


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

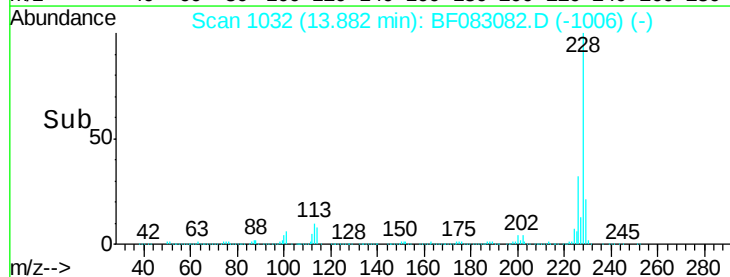
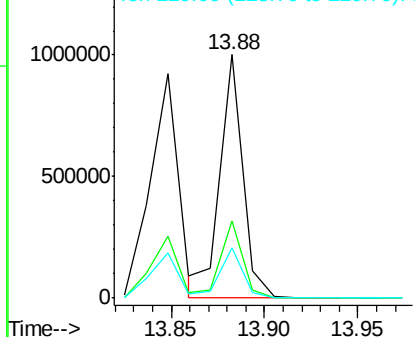


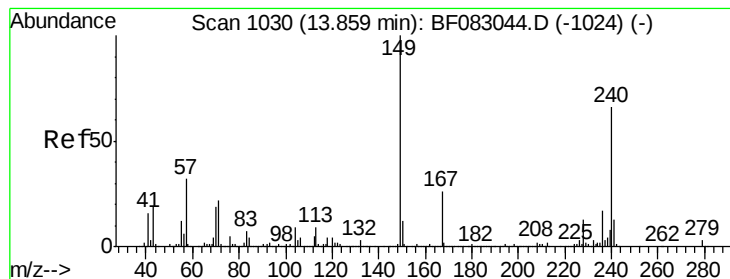
#82
 Chrysene
 Concen: 39.06 ng m
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.3	37.9
229	20.5	16.4	24.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.23 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

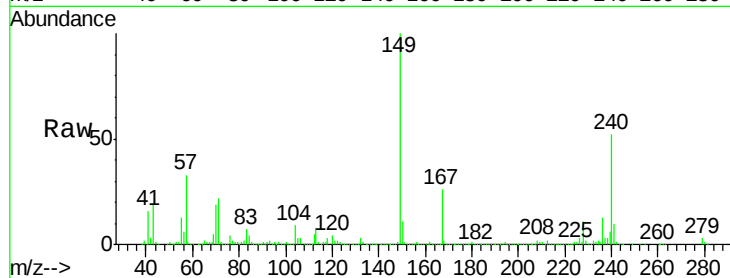
Tot Ion:149 Resp: 678997

Ion Ratio Lower Upper

149 100

167 25.8 20.9 31.3

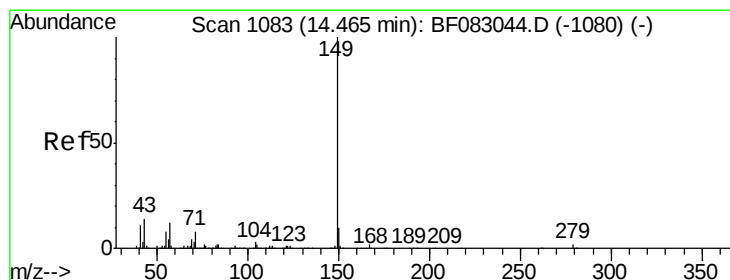
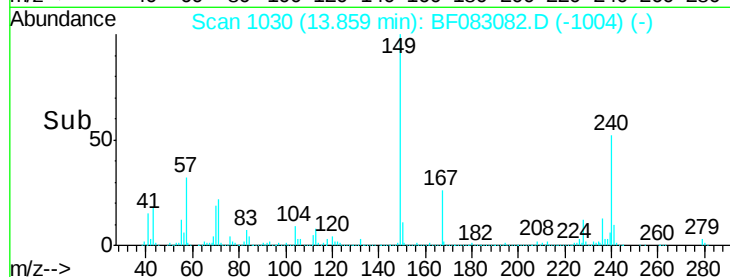
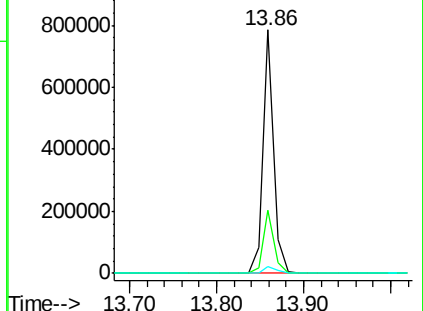
279 2.9 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 42.95 ng

RT: 14.47 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

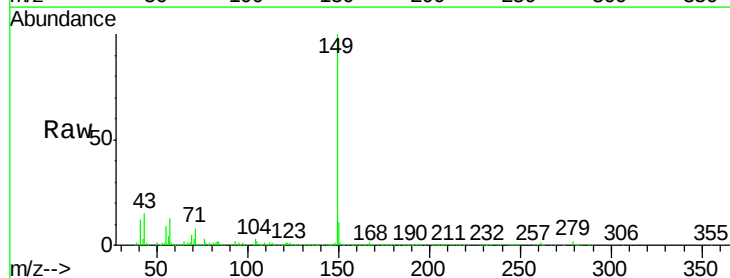
Tgt Ion:149 Resp: 1074048

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

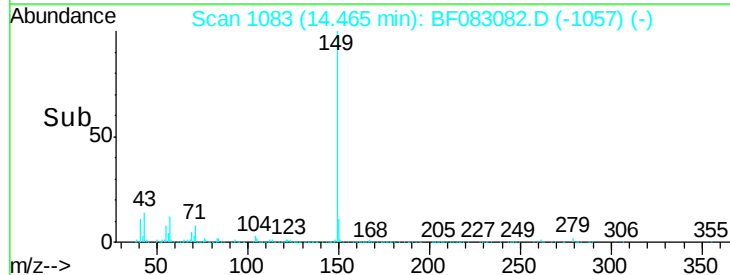
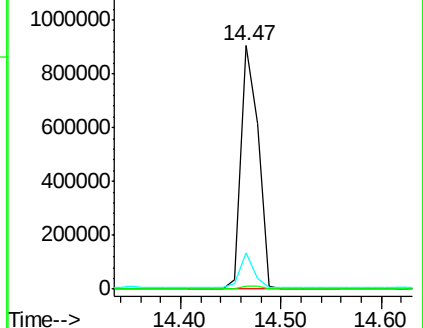
43 11.8 8.8 13.2

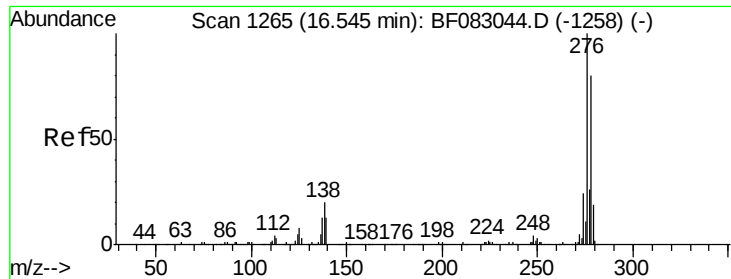


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

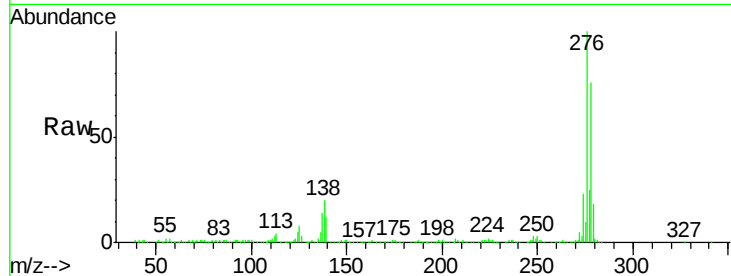




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.22 ng
 RT: 16.55 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-04MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.3	24.5
277	25.8	19.8	29.8

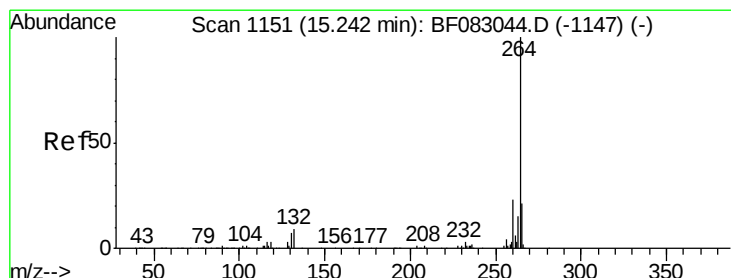
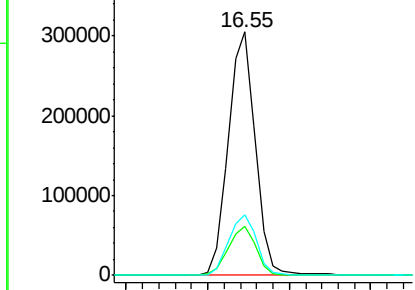
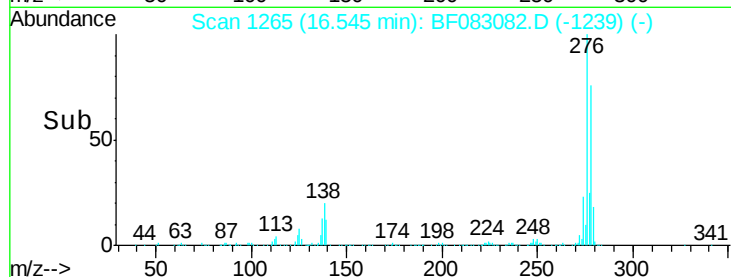


Abundance

Ion 276.00 (275.70 to 276.70): E

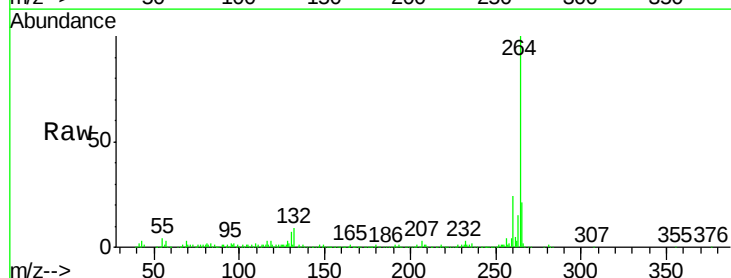
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF083082.D
 Acq: 20 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.1	17.0	25.6

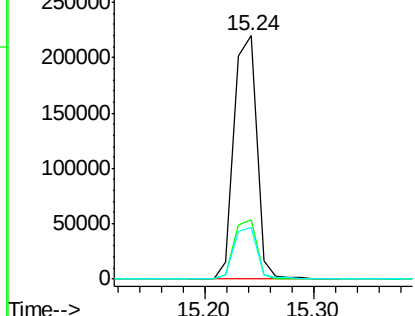
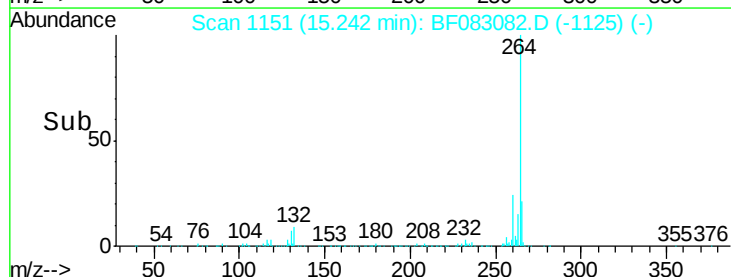


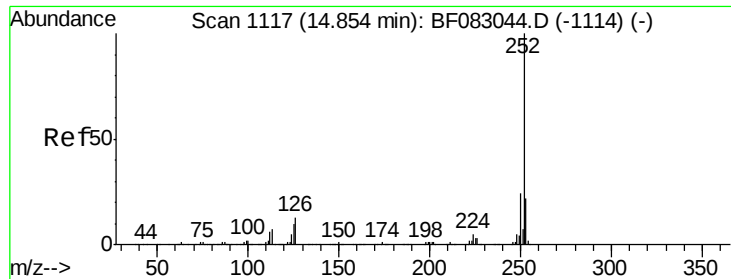
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

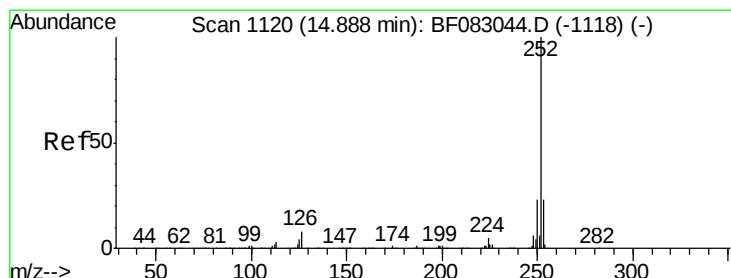
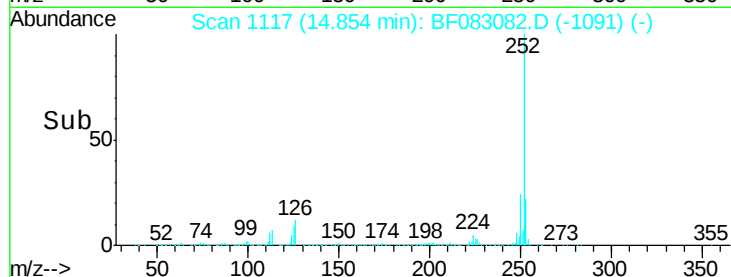
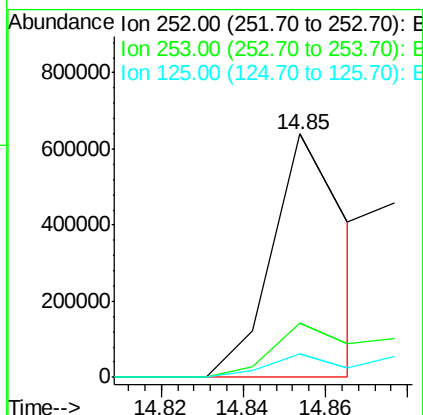
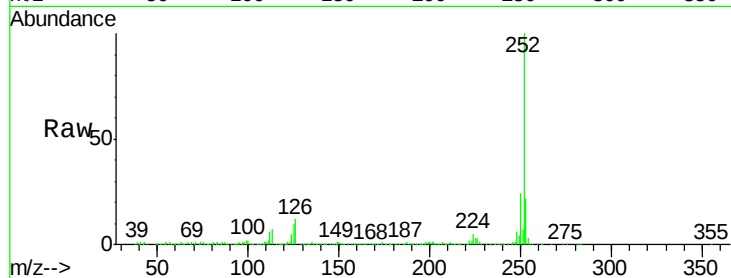




#87
Benzo(b)fluoranthene
Concen: 36.35 ng m
RT: 14.85 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

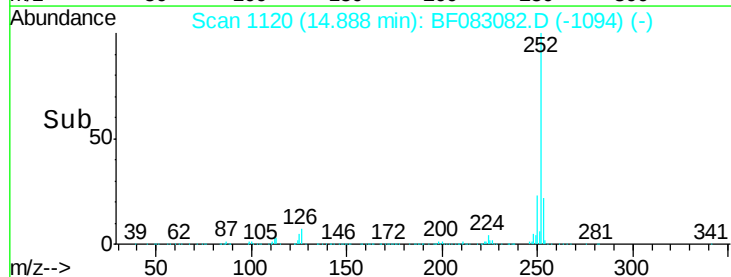
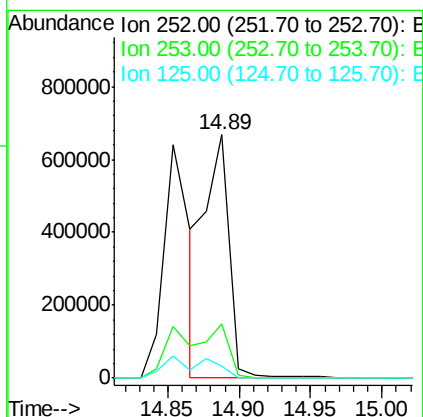
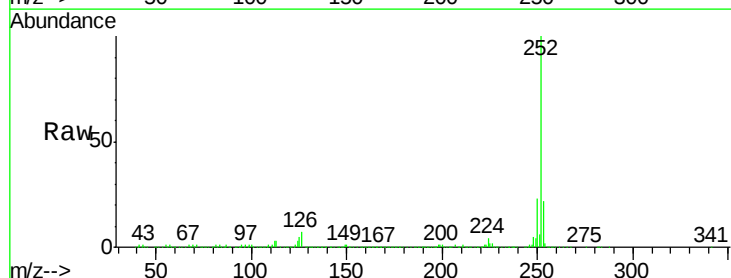
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

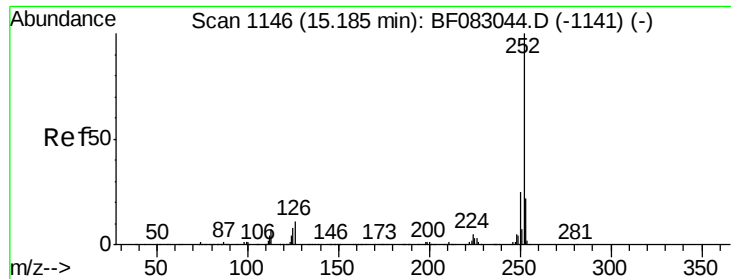
Tot Ion:252 Resp: 802746
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.6 7.7 11.5



#88
Benzo(k)fluoranthene
Concen: 48.00 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:252 Resp: 807385
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 5.0 3.8 5.6

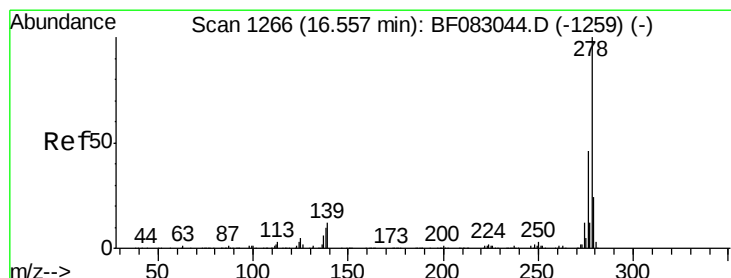
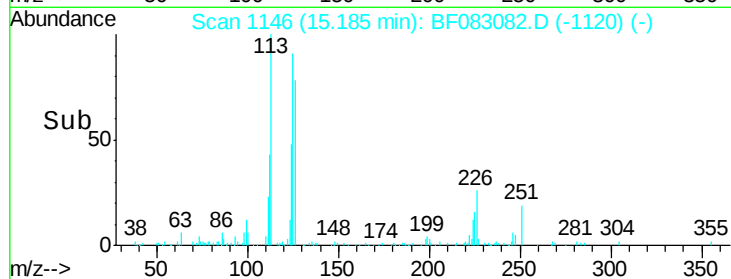
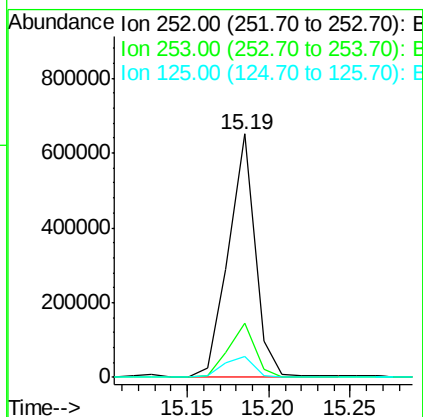
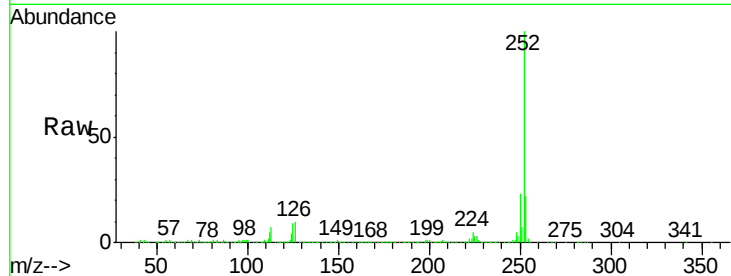




#89
Benzo(a)pyrene
Concen: 41.61 ng
RT: 15.19 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

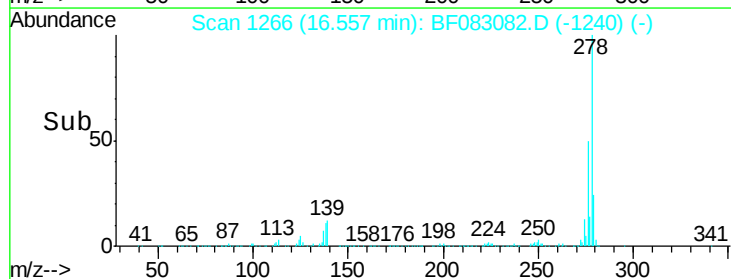
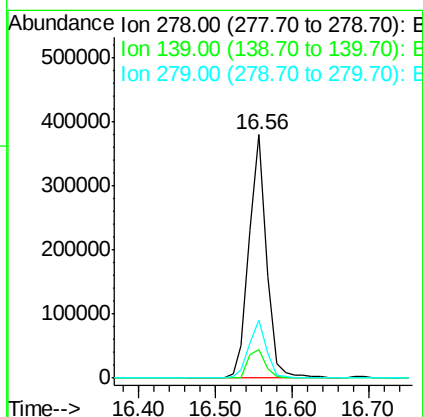
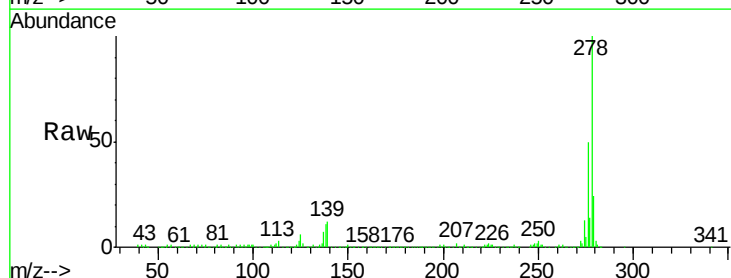
Instrument :
BNA_F
ClientSampleId :
RW-20151116-04MSD

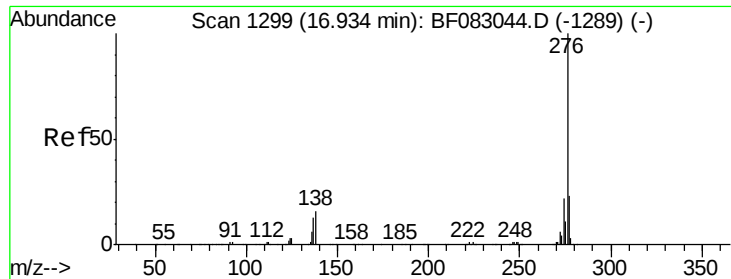
Tot Ion:252 Resp: 737414
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.6 6.4 9.6



#90
Dibenzo(a,h)anthracene
Concen: 39.03 ng
RT: 16.56 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BF083082.D
Acq: 20 Nov 2015 15:24

Tgt Ion:278 Resp: 601881
Ion Ratio Lower Upper
278 100
139 11.8 9.8 14.8
279 23.9 19.6 29.4





#91

Benzo(a,h,i)perylene

Concen: 38.14 ng

RT: 16.93 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF083082.D

Acq: 20 Nov 2015 15:24

Instrument :

BNA_F

ClientSampleId :

RW-20151116-04MSD

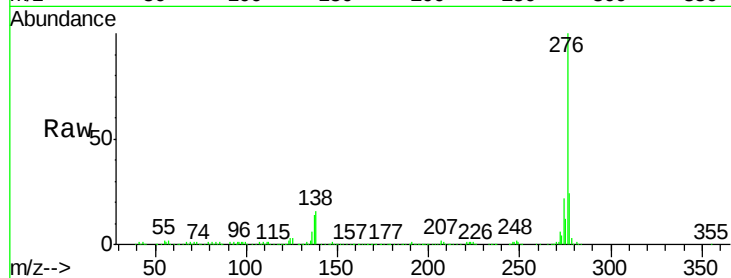
Tot Ion:276 Resp: 573722

Ion Ratio Lower Upper

276 100

277 24.1 18.6 27.8

138 15.6 12.5 18.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

