

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086071.D
 Acq On : 5 Apr 2016 8:20
 Operator : UM/SJ
 Sample : PB89469BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

Quant Time: Apr 05 11:29:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	104093	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	392216	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	166768	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	257443	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	190801	20.00	ng	-0.01
86) Perylene-d12	15.32	264	157487	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	691935	113.62	ng	0.00
7) Phenol-d6	6.42	99	920337	118.98	ng	0.00
23) Nitrobenzene-d5	7.33	82	515766	77.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	150738	96.30	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	933423	93.06	ng	-0.01
78) Terphenyl-d14	12.87	244	646100	79.60	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.35	88	94525	32.74	ng	98
3) Pyridine	3.06	79	235061	36.37	ng	99
4) n-Nitrosodimethylamine	3.00	42	112386	39.54	ng	100
6) Aniline	6.43	93	199525	19.66	ng	# 16
8) 2-Chlorophenol	6.56	128	258247	35.56	ng	92
9) Benzaldehyde	6.30	77	101294	24.34	ng	89
10) Phenol	6.43	94	317768	36.01	ng	91
11) bis(2-Chloroethyl)ether	6.50	93	248437	35.56	ng	95
12) 1,3-Dichlorobenzene	6.70	146	278415	36.17	ng	97
13) 1,4-Dichlorobenzene	6.78	146	279853	35.29	ng	93
14) 1,2-Dichlorobenzene	6.93	146	272670	37.36	ng	99
15) Benzyl Alcohol	6.91	79	184072	36.78	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.05	45	303109	35.51	ng	85
17) 2-Methylphenol	7.04	107	212416	37.10	ng	96
18) Hexachloroethane	7.28	117	76744	26.31	ng	93
19) n-Nitroso-di-n-propylamine	7.18	70	182973	38.16	ng	95
20) 3+4-Methylphenols	7.20	107	278008	39.92	ng	# 59
22) Acetophenone	7.17	105	357806	38.81	ng	95
24) Nitrobenzene	7.36	77	274907	37.78	ng	# 87
25) Isophorone	7.60	82	489442	37.28	ng	# 92
26) 2-Nitrophenol	7.66	139	104002	29.87	ng	# 76
27) 2,4-Dimethylphenol	7.72	122	226839	36.28	ng	92
28) bis(2-Chloroethoxy)methane	7.80	93	296709	38.52	ng	98
29) 2,4-Dichlorophenol	7.92	162	210021	39.73	ng	99
30) 1,2,4-Trichlorobenzene	8.00	180	226390	38.15	ng	95
31) Naphthalene	8.08	128	718217	36.40	ng	98
32) Benzoic acid	7.84	122	91801	20.01	ng	100
33) 4-Chloroaniline	8.13	127	102492	12.86	ng	98
34) Hexachlorobutadiene	8.19	225	119341	37.41	ng	99
35) Caprolactam	8.50	113	65531	39.08	ng	93
36) 4-Chloro-3-methylphenol	8.62	107	214408	36.08	ng	90
37) 2-Methylnaphthalene	8.76	142	470487	36.51	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	192765	38.46	ng	99
40) Hexachlorocyclopentadiene	8.91	237	10777	13.13	ng	98

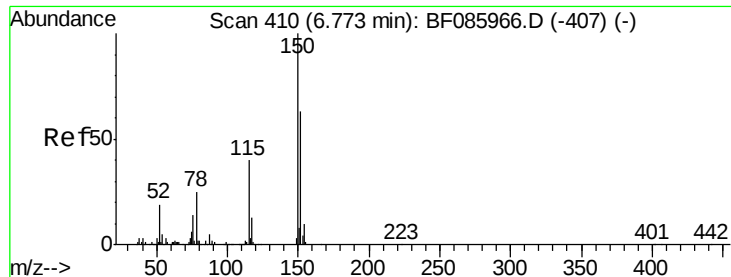
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	128229	39.84	nq	100
43) 2,4,5-Trichlorophenol	9.09	196	133001	40.70	nq #	90
45) 1,1'-Biphenyl	9.23	154	554206	38.54	nq	95
46) 2-Chloronaphthalene	9.25	162	422844	40.57	nq	98
47) 2-Nitroaniline	9.36	65	137589	45.11	nq	90
48) Acenaphthylene	9.66	152	645879	38.68	nq	99
49) Dimethylphthalate	9.53	163	481745	38.97	nq	100
50) 2,6-Dinitrotoluene	9.60	165	97289	37.20	nq #	86
51) Acenaphthene	9.84	154	384399	38.71	nq	99
52) 3-Nitroaniline	9.77	138	114699	36.39	nq	90
53) 2,4-Dinitrophenol	9.89	184	8573	10.51	nq #	80
54) Dibenzofuran	10.01	168	535635	40.84	nq	100
55) 4-Nitrophenol	9.95	139	113084	60.86	nq	92
56) 2,4-Dinitrotoluene	10.01	165	103816	31.42	nq #	66
57) Fluorene	10.35	166	411752	36.75	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.13	232	90018	37.00	nq	97
59) Diethylphthalate	10.22	149	453830	36.38	nq	97
60) 4-Chlorophenyl-phenylether	10.34	204	191432	36.68	nq	98
61) 4-Nitroaniline	10.38	138	107294	34.57	nq	88
62) Azobenzene	10.50	77	484060	40.51	nq	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	9769	6.26	nq #	74
65) n-Nitrosodiphenylamine	10.46	169	379922	47.19	nq	98
66) 4-Bromophenyl-phenylether	10.83	248	113077	43.02	nq	98
67) Hexachlorobenzene	10.90	284	111289	40.95	nq #	92
68) Atrazine	10.99	200	105073	40.39	nq	98
69) Pentachlorophenol	11.09	266	88843	69.74	nq	97
70) Phenanthrene	11.31	178	558962	39.80	nq	99
71) Anthracene	11.36	178	533350	36.25	nq	98
72) Carbazole	11.52	167	458022	36.22	nq	99
73) Di-n-butylphthalate	11.85	149	709650	45.29	nq	100
74) Fluoranthene	12.50	202	488558	33.44	nq	88
76) Benzidine	12.63	184	395328	58.73	nq	98
77) Pyrene	12.72	202	485149	36.08	nq	99
79) Butylbenzylphthalate	13.33	149	238942	39.47	nq #	64
80) Benzo(a)anthracene	13.91	228	407000	36.19	nq	98
81) 3,3'-Dichlorobenzidine	13.87	252	126434	15.39	nq	100
82) Chrysene	13.95	228	391837	36.17	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	323803	40.30	nq	100
84) Di-n-octyl phthalate	14.51	149	592733	46.19	nq	100
85) Indeno(1,2,3-cd)pyrene	16.68	276	317274	36.10	nq	99
87) Benzo(b)fluoranthene	14.96	252	730627	73.75	nq #	96
88) Benzo(k)fluoranthene	14.96	252	730627	83.28	nq	99
89) Benzo(a)pyrene	15.27	252	337815	38.49	nq	98
90) Dibenzo(a,h)anthracene	16.68	278	277405	39.28	nq	98
91) Benzo(g,h,i)perylene	17.08	276	249344	36.48	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

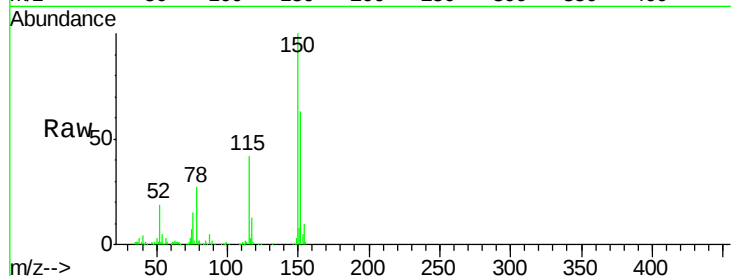
Tot Ion:152 Resp: 104093

Ion Ratio Lower Upper

152 100

150 158.8 124.2 186.2

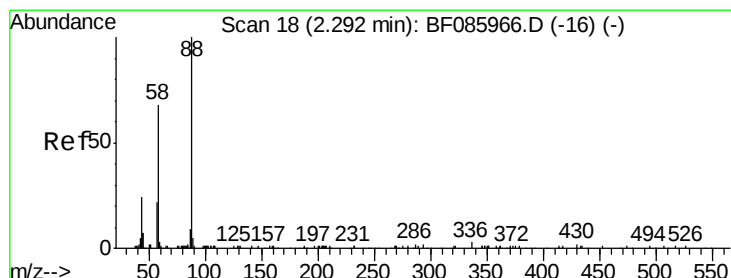
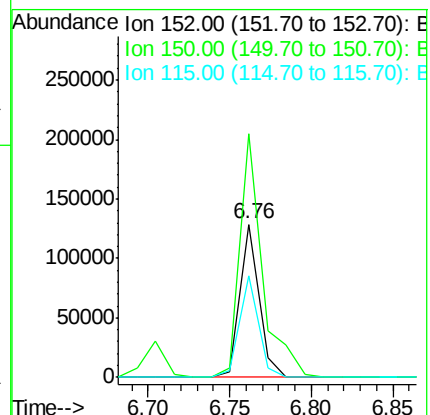
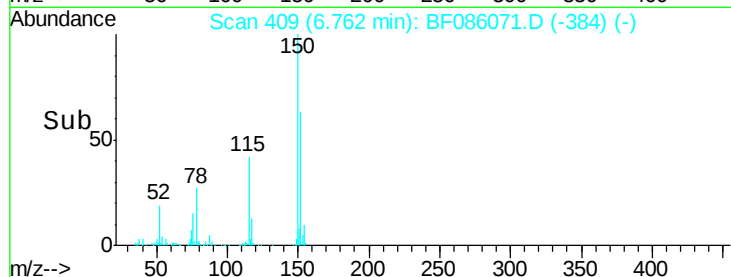
115 66.1 47.0 70.6



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: 32.74 ng

RT: 2.35 min Scan# 23

Delta R.T. 0.06 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

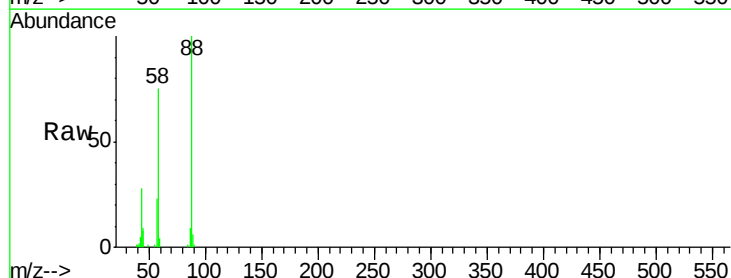
Tgt Ion: 88 Resp: 94525

Ion Ratio Lower Upper

88 100

58 69.5 54.2 81.2

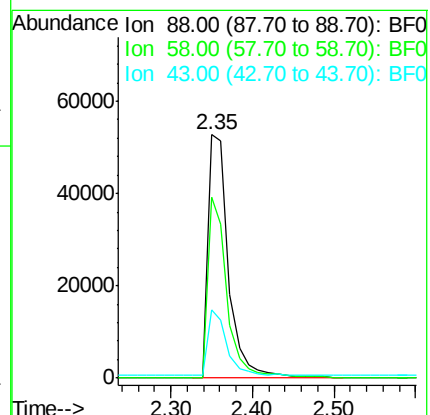
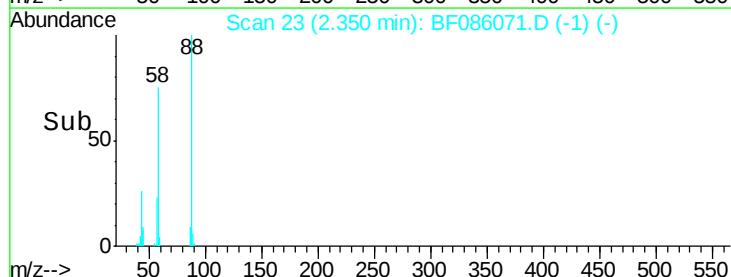
43 24.9 19.3 28.9

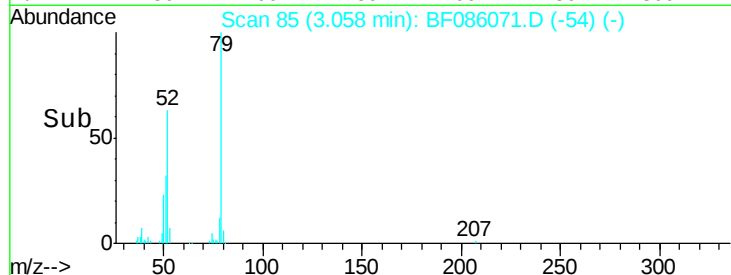
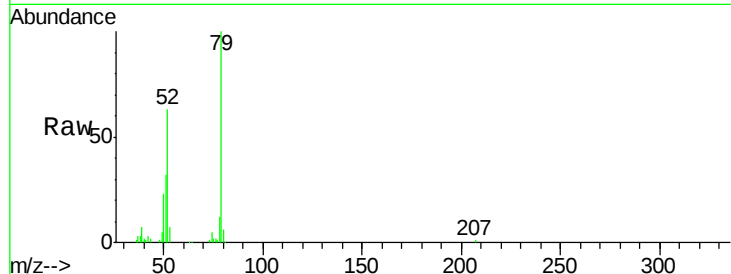


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

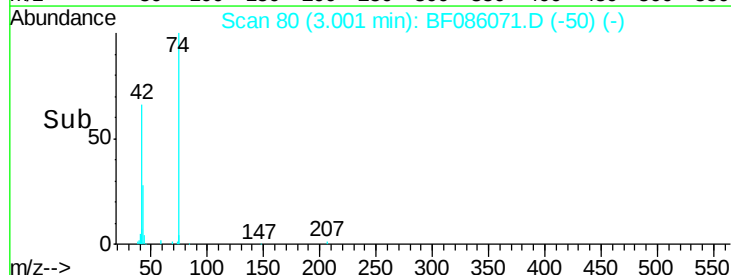
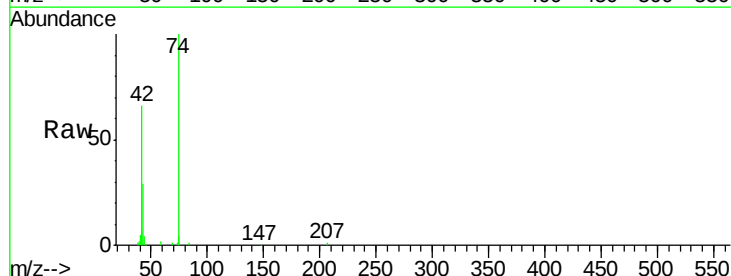
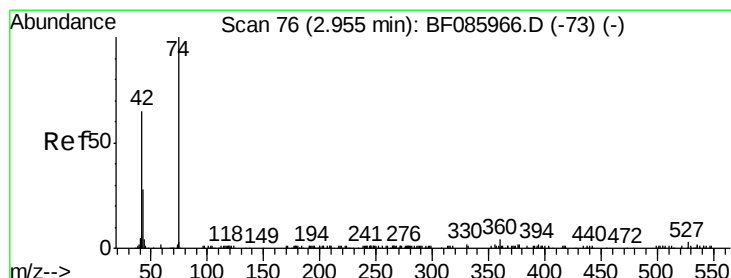
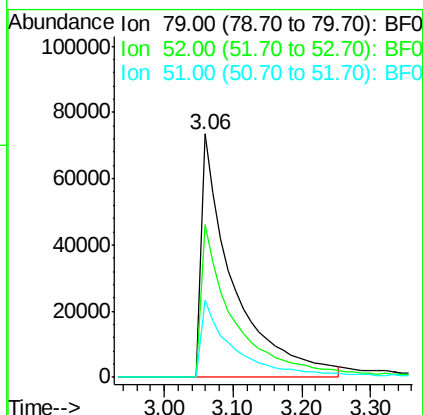




#3
 Pvridine
 Concen: 36.37 ng
 RT: 3.06 min Scan# 85
 Delta R.T. 0.06 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

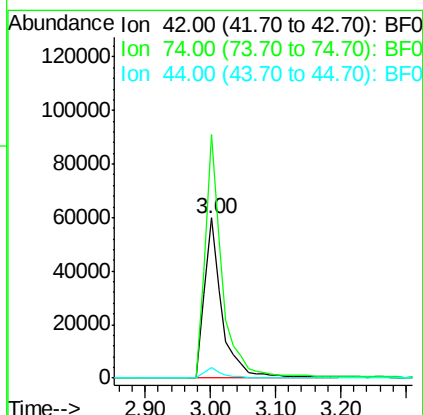
Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

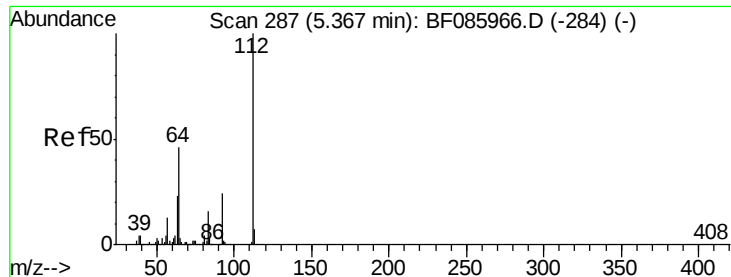
Tot Ion	Ratio	Lower	Upper
79	100		
52	62.5	49.8	74.6
51	31.9	24.7	37.1



#4
 n-Nitrosodimethylamine
 Concen: 39.54 ng
 RT: 3.00 min Scan# 80
 Delta R.T. 0.05 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.1	121.4	182.2
44	6.7	5.6	8.4





#5

2-Fluorophenol

Concen: 113.62 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

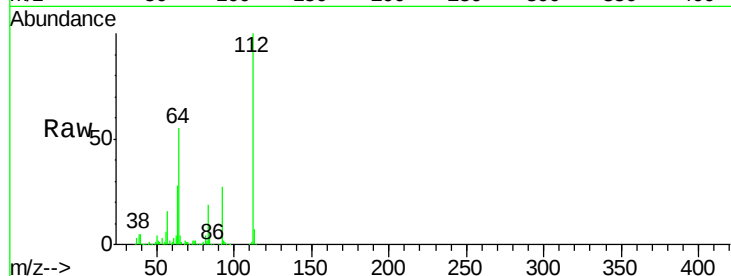
Tot Ion: 112 Resp: 691935

Ion Ratio Lower Upper

112 100

64 54.8 39.9 59.9

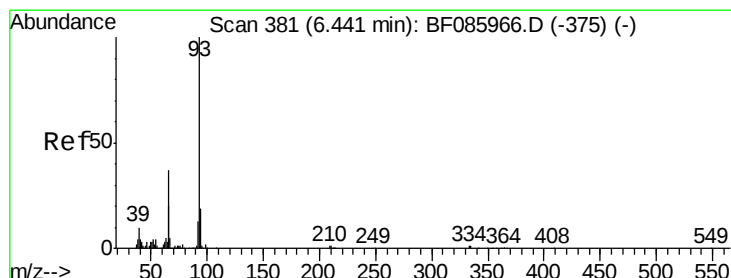
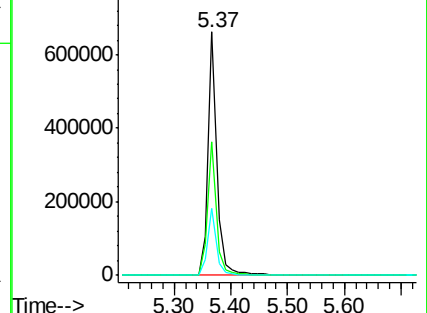
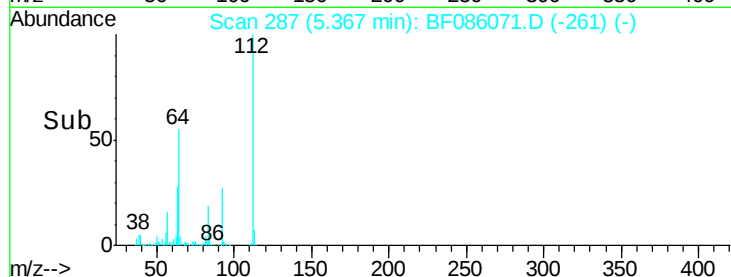
63 27.7 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.66 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

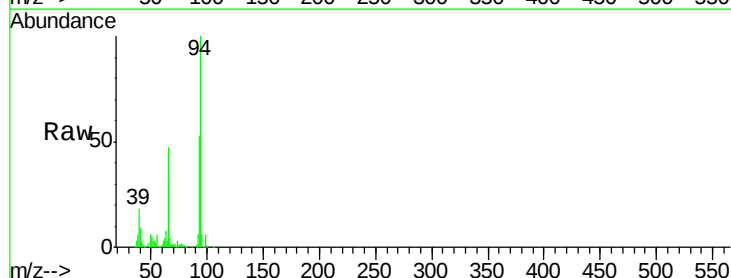
Tgt Ion: 93 Resp: 199525

Ion Ratio Lower Upper

93 100

66 89.7 31.4 47.2#

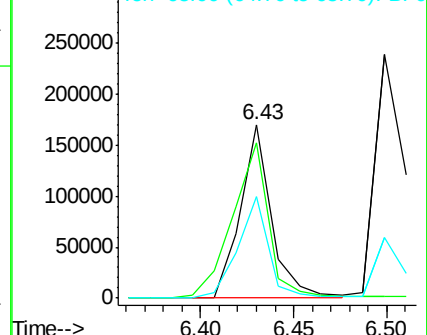
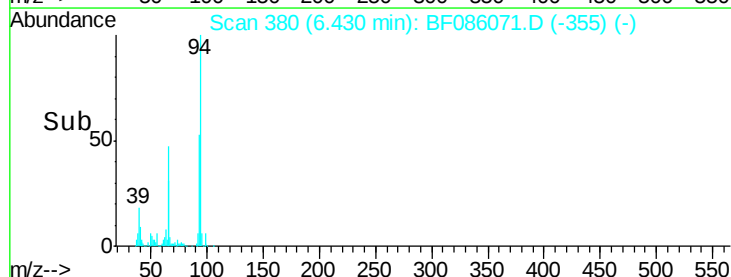
65 58.8 15.7 23.5#

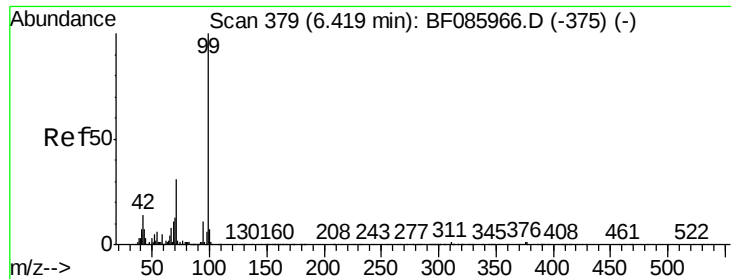


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.98 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

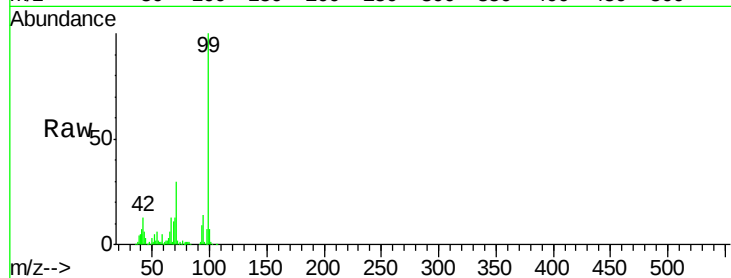
Tot Ion: 99 Resp: 920337

Ion Ratio Lower Upper

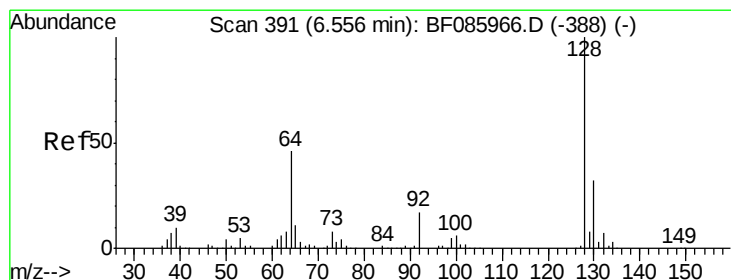
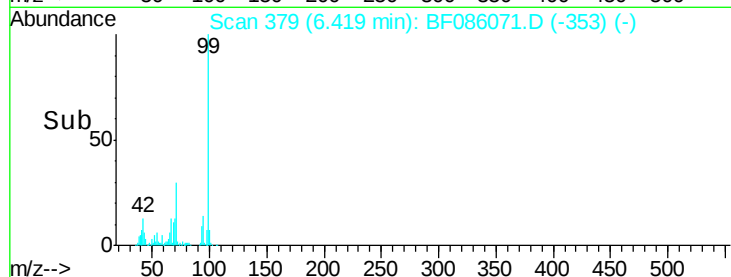
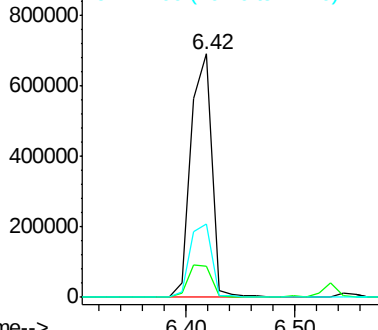
99 100

42 12.9 11.1 16.7

71 30.3 24.9 37.3



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: 35.56 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

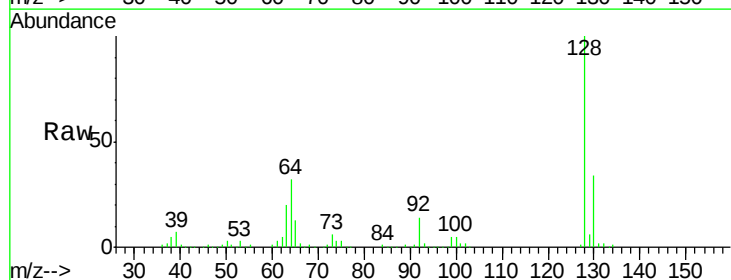
Tgt Ion: 128 Resp: 258247

Ion Ratio Lower Upper

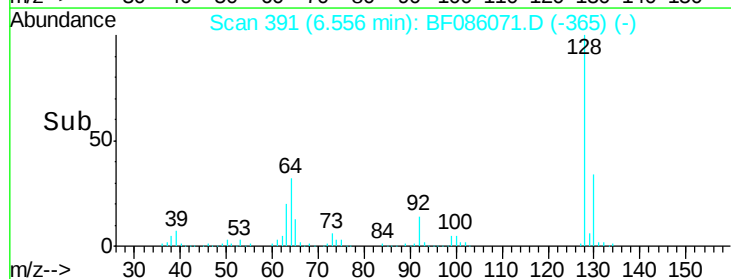
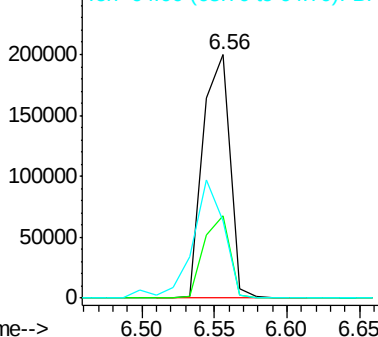
128 100

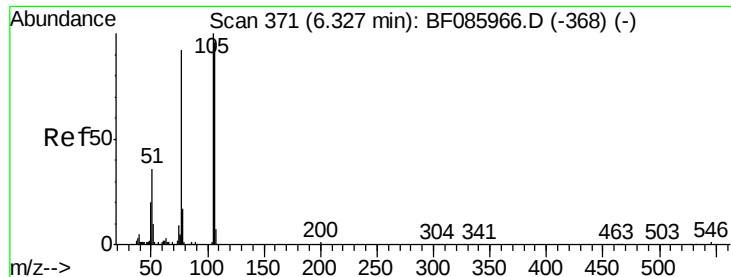
130 33.7 12.9 52.9

64 31.7 20.2 60.2



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: 24.34 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

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PB89469BS

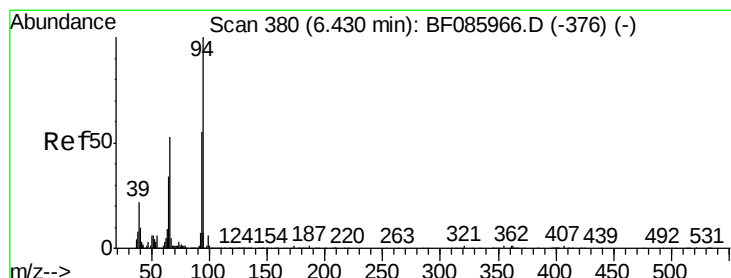
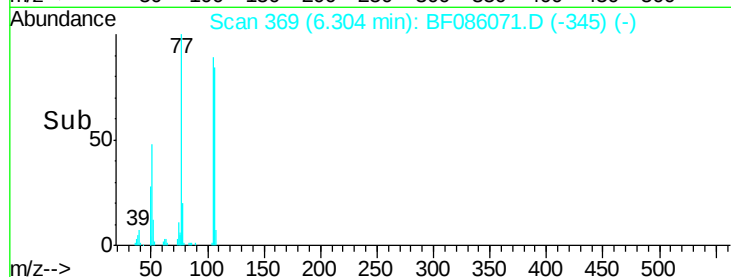
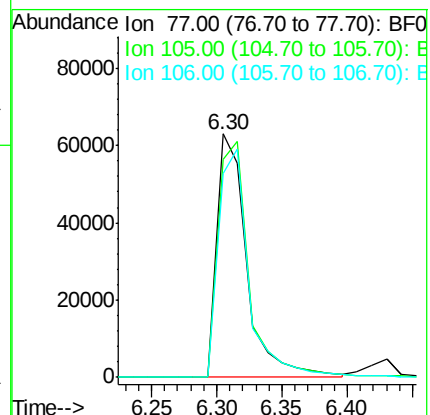
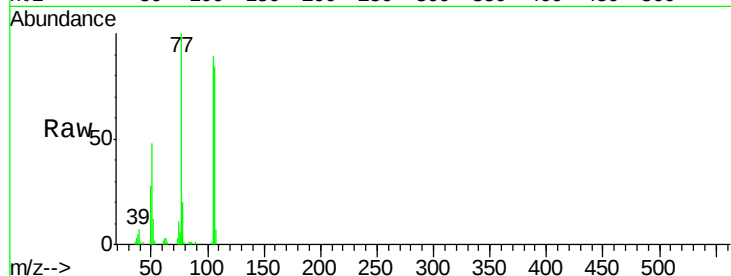
Tot Ion: 77 Resp: 101294

Ion Ratio Lower Upper

77 100

105 89.4 80.1 120.1

106 83.9 75.0 115.0



#10

Phenol

Concen: 36.01 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

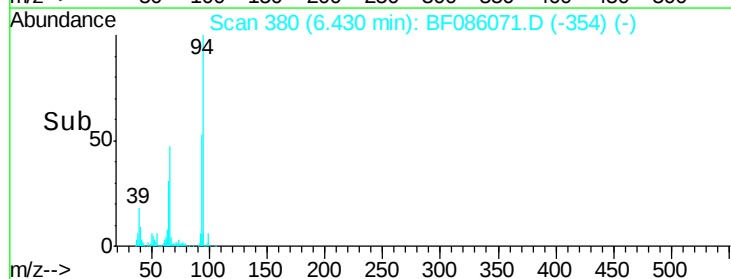
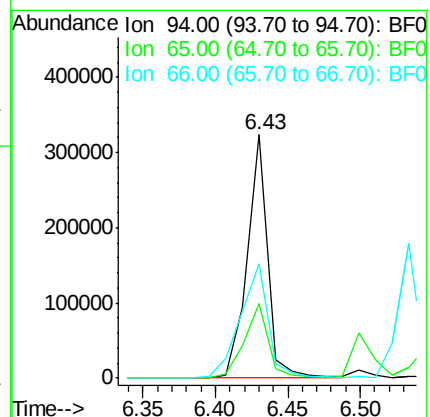
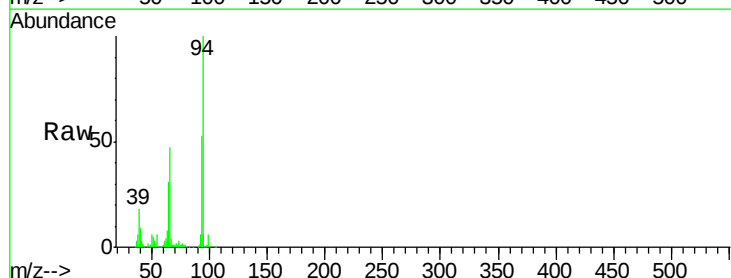
Tgt Ion: 94 Resp: 317768

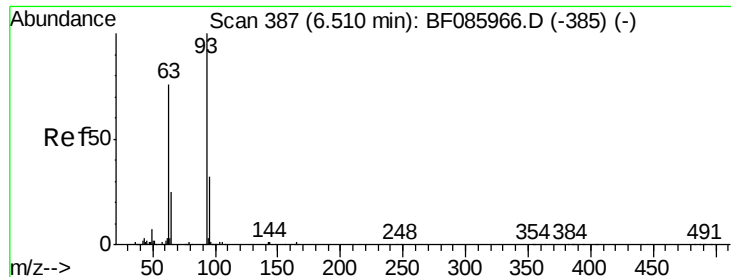
Ion Ratio Lower Upper

94 100

65 30.9 8.6 48.6

66 47.2 20.0 60.0

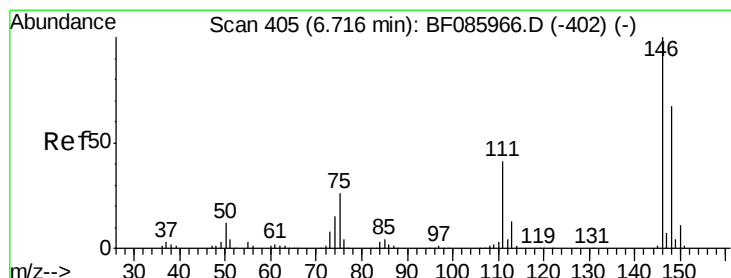
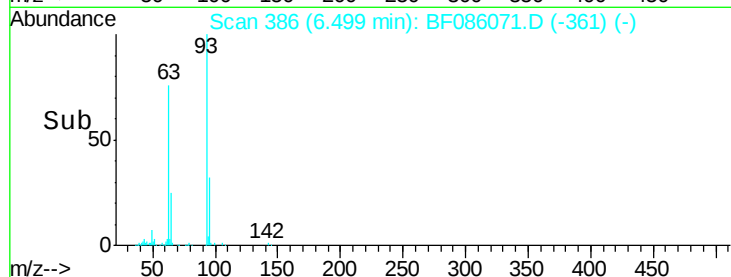
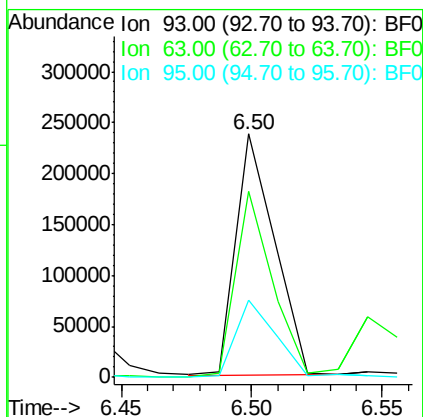
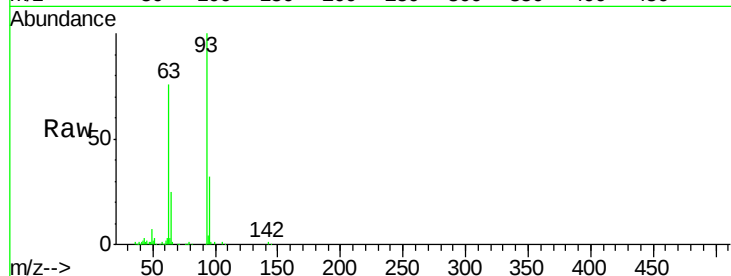




#11
bis(2-Chloroethyl)ether
Concen: 35.56 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

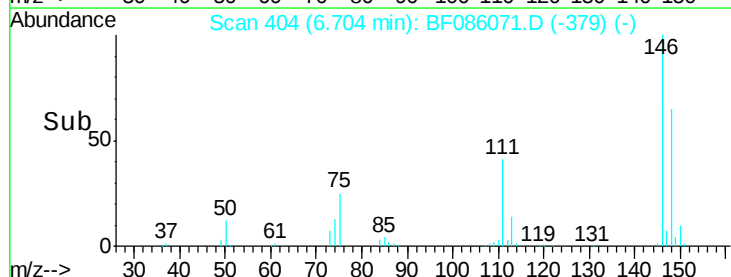
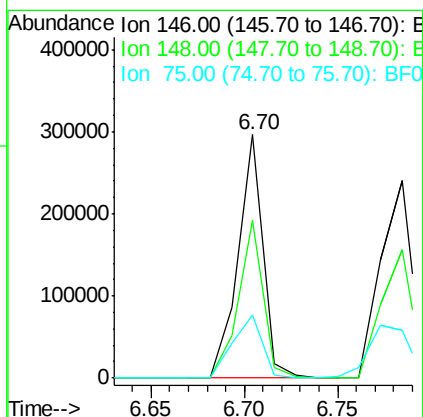
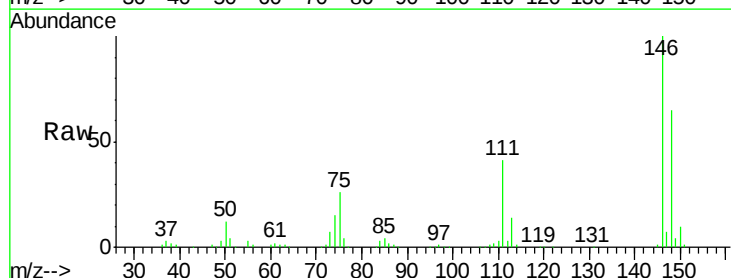
Instrument :
BNA_F
ClientSampleId :
PB89469BS

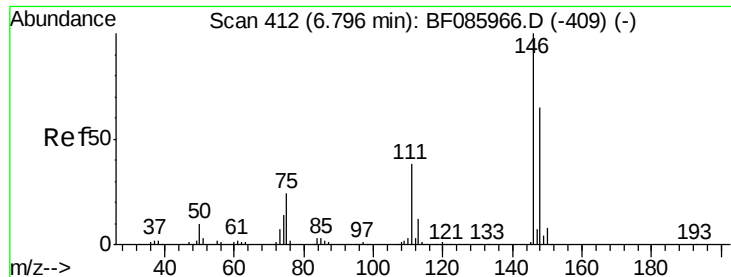
Tot Ion	Ratio	Lower	Upper
93	100		
63	76.2	50.9	90.9
95	31.9	13.3	53.3



#12
1,3-Dichlorobenzene
Concen: 36.17 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.3	78.5
75	26.0	17.4	26.2





#13

1,4-Dichlorobenzene

Concen: 35.29 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

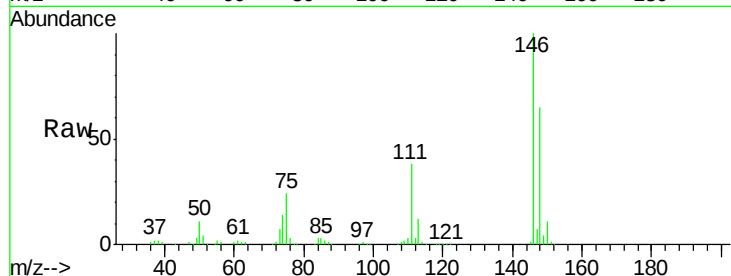
Tot Ion:146 Resp: 279853

Ion Ratio Lower Upper

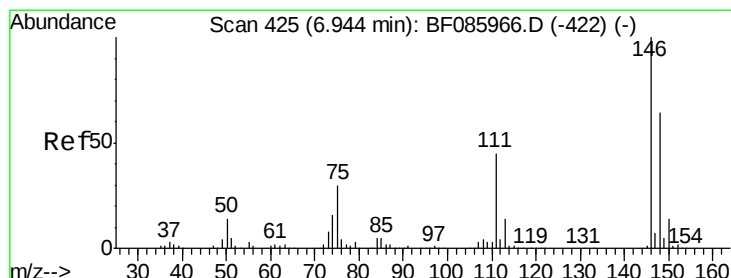
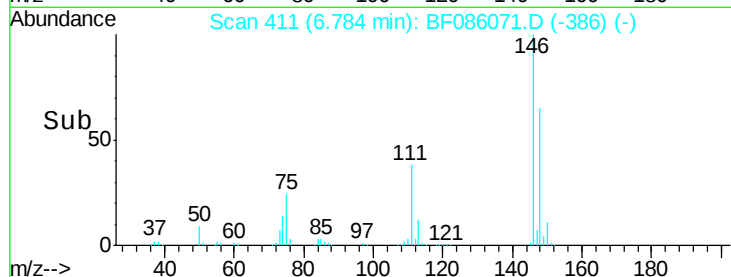
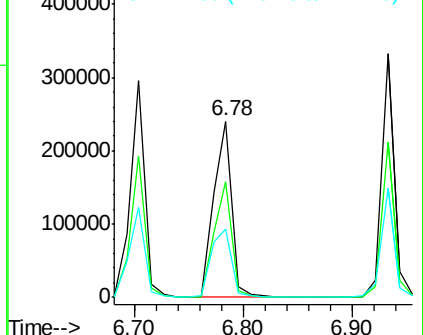
146 100

148 65.2 50.6 76.0

111 38.5 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.36 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

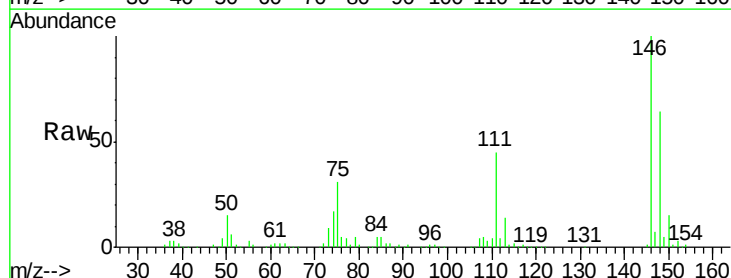
Tgt Ion:146 Resp: 272670

Ion Ratio Lower Upper

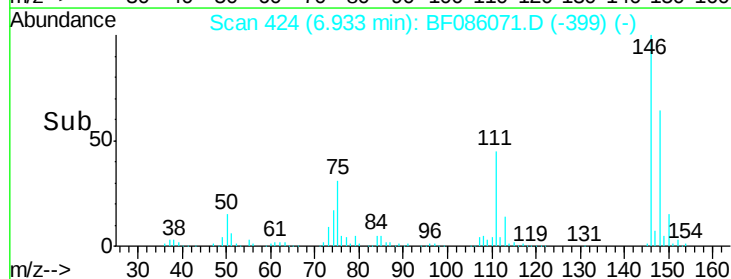
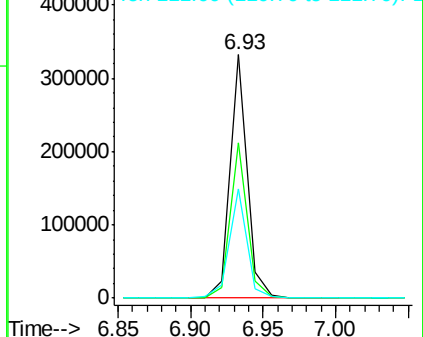
146 100

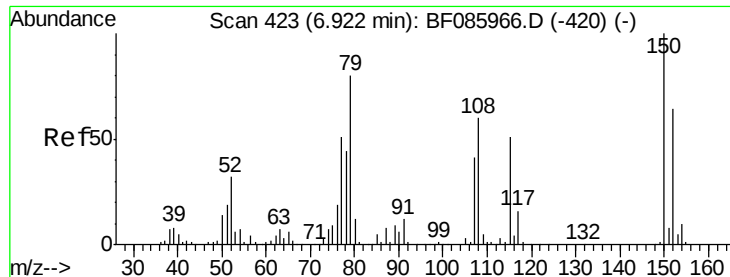
148 63.8 51.4 77.2

111 45.0 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

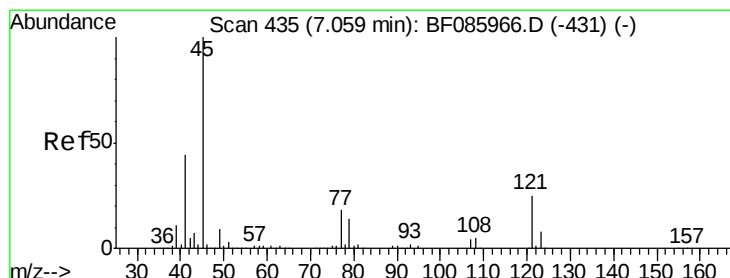
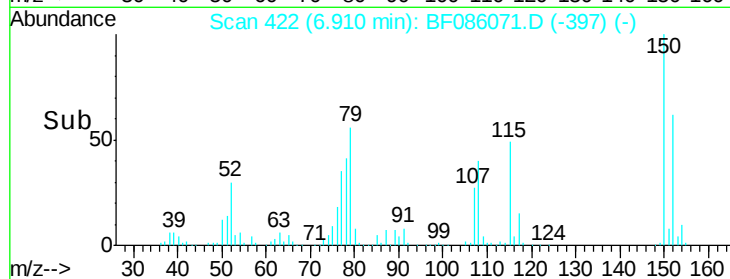
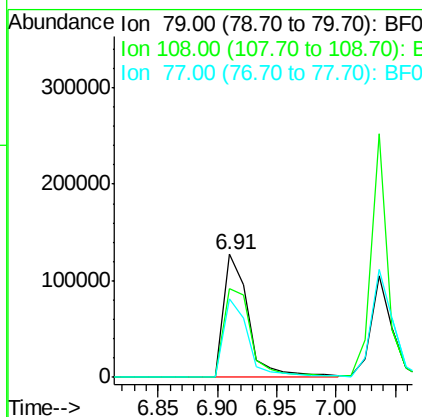
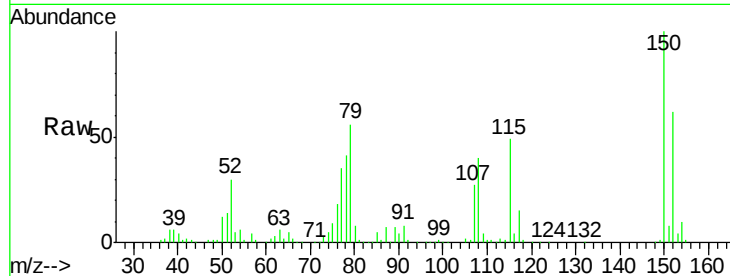




#15
Benzyl Alcohol
Concen: 36.78 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

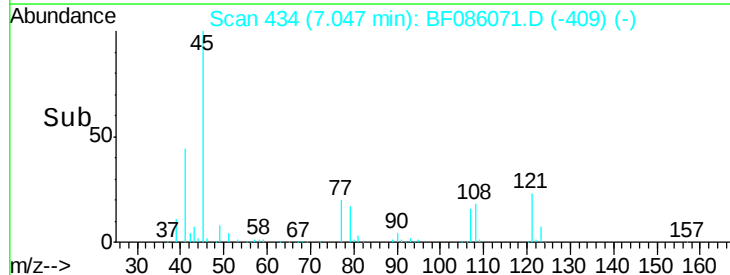
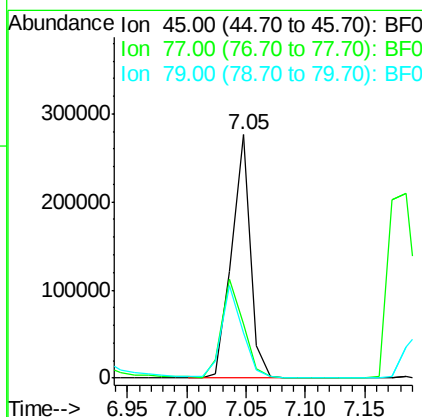
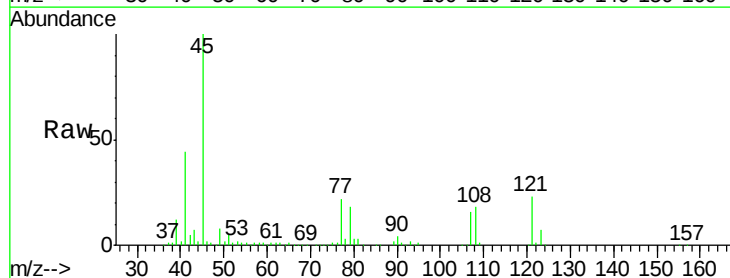
Instrument :
BNA_F
ClientSampleID :
PB89469BS

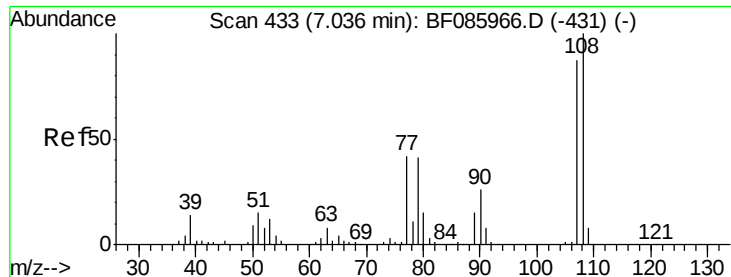
Tot Ion: 79 Resp: 184072
Ion Ratio Lower Upper
79 100
108 72.7 61.8 92.6
77 63.8 49.6 74.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.51 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion: 45 Resp: 303109
Ion Ratio Lower Upper
45 100
77 22.0 0.0 35.7
79 18.4 0.0 32.2





#17

2-Methylphenol

Concen: 37.10 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

Tot Ion:107 Resp: 212416

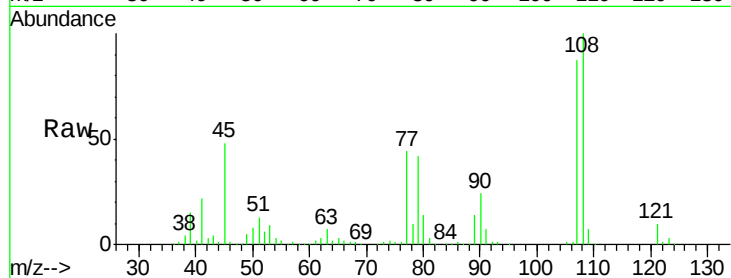
Ion Ratio Lower Upper

107 100

108 115.2 91.4 137.0

77 51.1 36.2 54.2

79 47.9 35.8 53.8

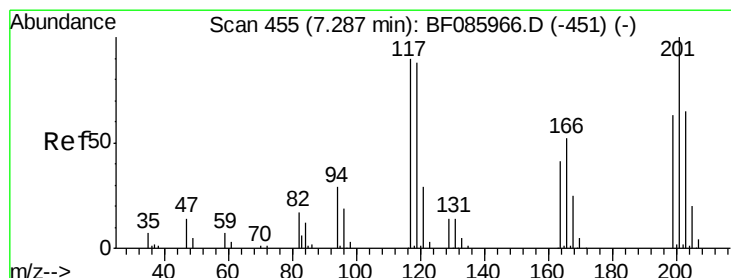
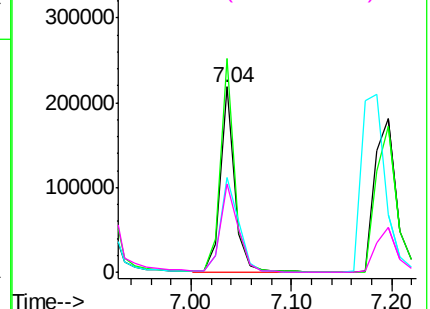
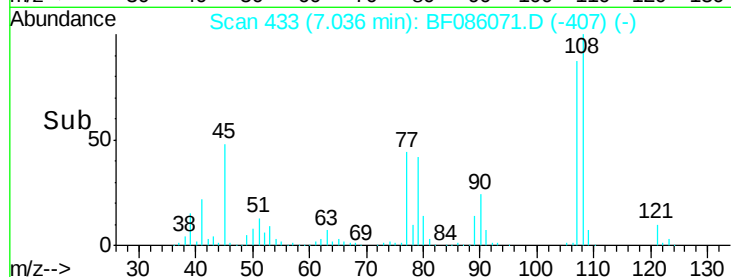


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 26.31 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

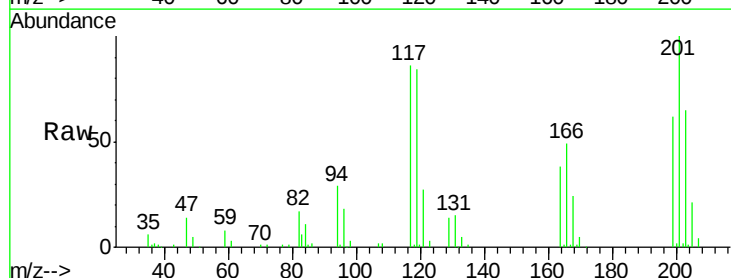
Tgt Ion:117 Resp: 76744

Ion Ratio Lower Upper

117 100

119 98.3 76.7 115.1

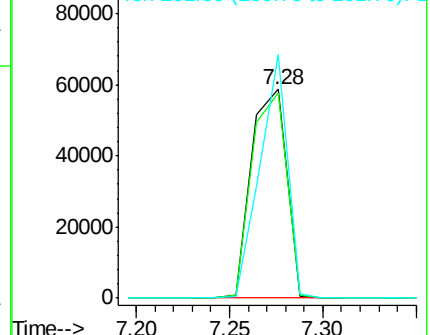
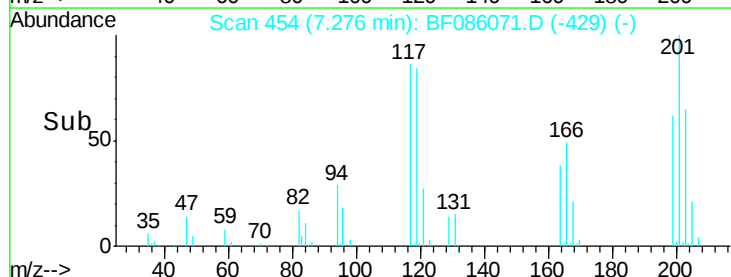
201 116.5 83.3 124.9

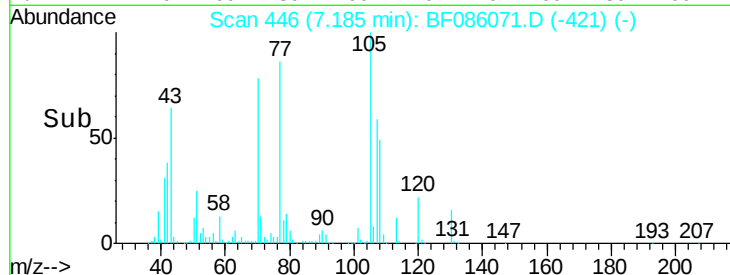
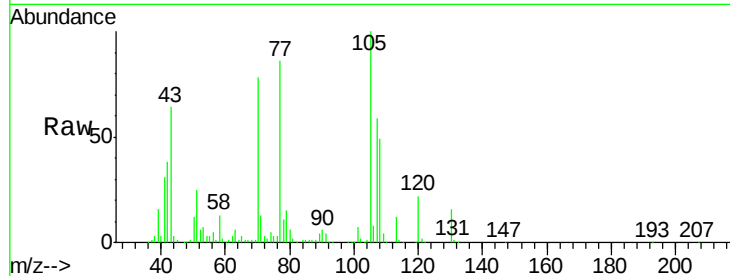
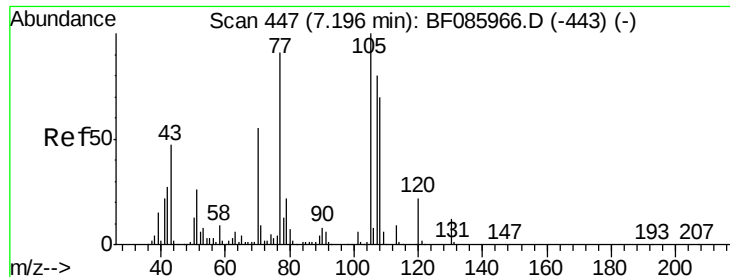


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

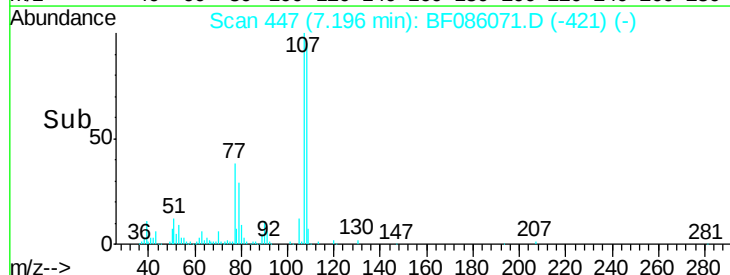
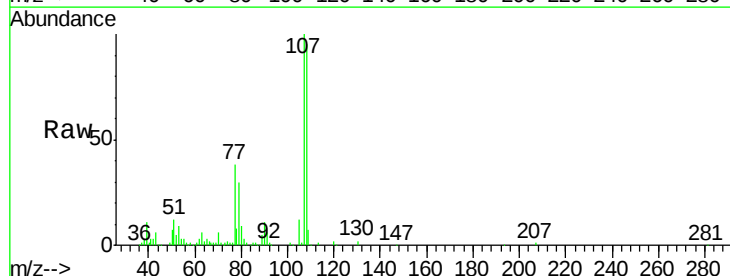
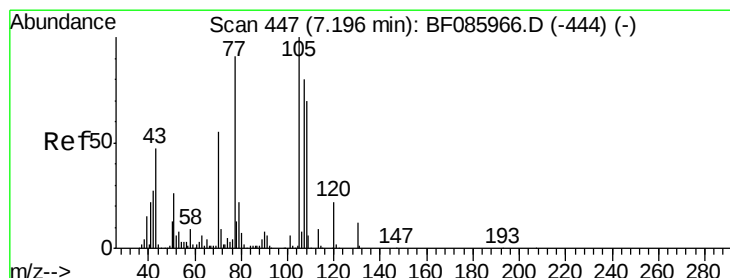
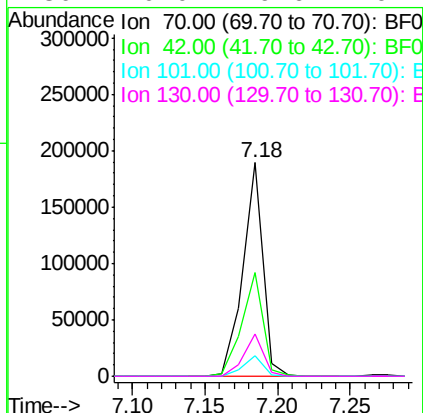




#19
n-Nitroso-di-n-propylamine
Concen: 38.16 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

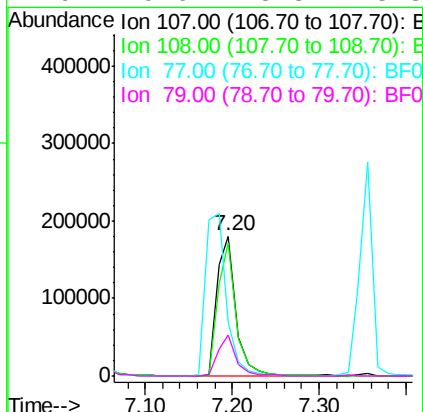
Instrument :
BNA_F
ClientSampleId :
PB89469BS

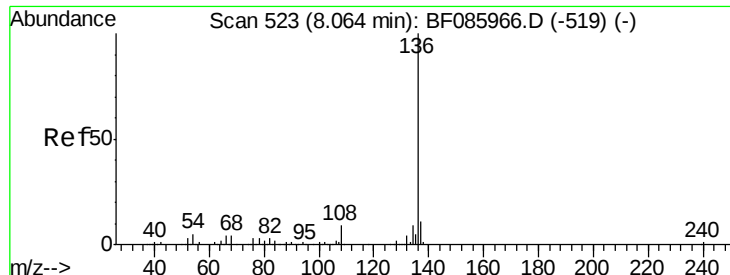
Tot Ion	70	Resp	182973
Ion	Ratio	Lower	Upper
70	100		
42	48.7	37.1	55.7
101	9.3	8.6	12.8
130	20.0	19.6	29.4



#20
3+4-Methylphenols
Concen: 39.92 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion	107	Resp	278008
Ion	Ratio	Lower	Upper
107	100		
108	95.0	69.3	109.3
77	38.1	101.7	141.7#
79	29.6	8.3	48.3

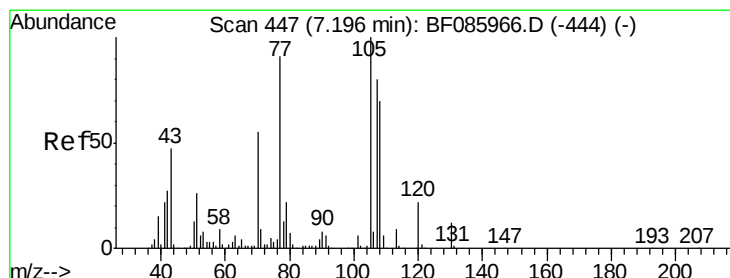
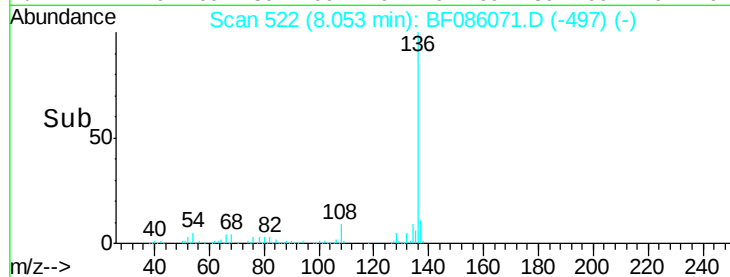
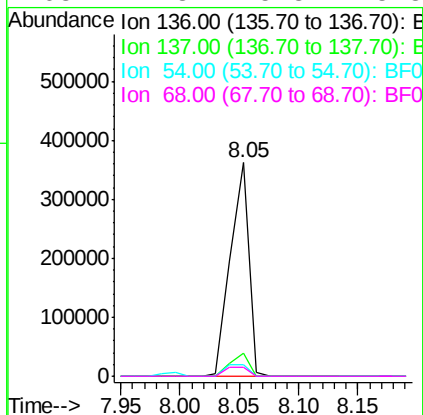
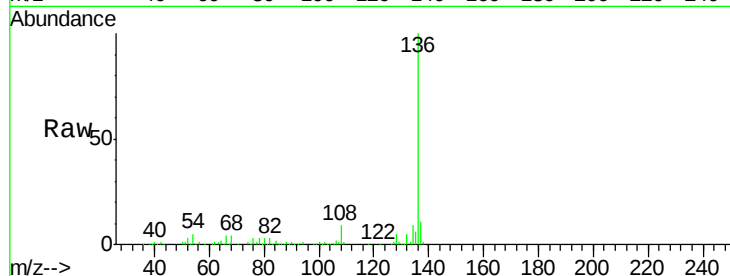




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

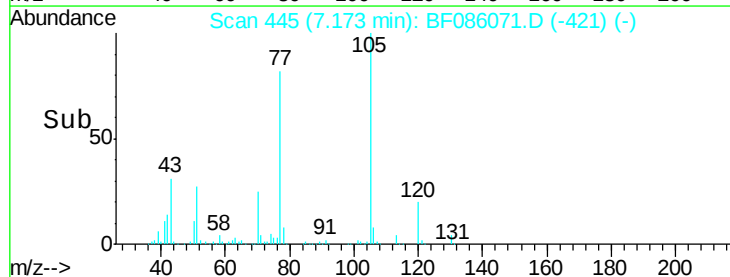
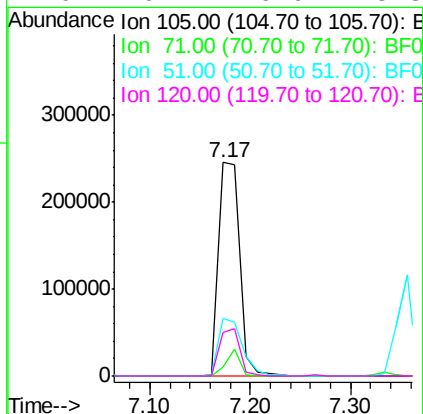
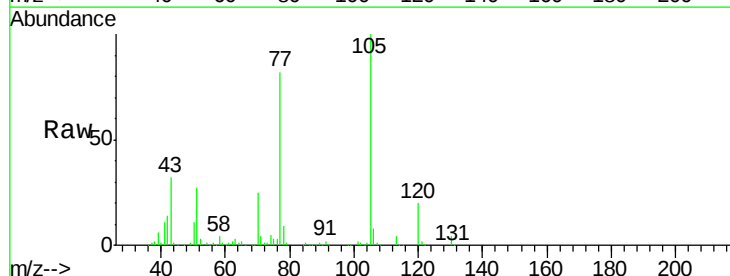
Instrument :
BNA_F
ClientSampled :
PB89469BS

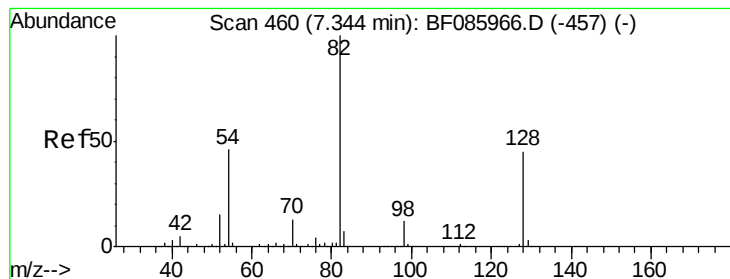
Tot Ion:136	Resp:	392216
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.1 13.7
54	5.1	7.4 11.0#
68	4.3	5.8 8.8#



#22
Acetophenone
Concen: 38.81 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:105	Resp:	357806
Ion Ratio	Lower	Upper
105	100	
71	4.2	3.6 5.4
51	26.8	25.4 38.0
120	20.4	16.9 25.3





#23

Nitrobenzene-d5

Concen: 77.55 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

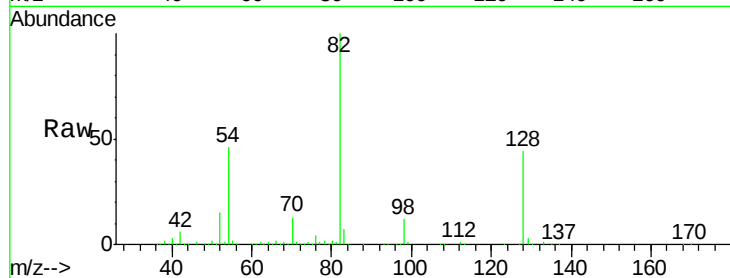
Tot Ion: 82 Resp: 515766

Ion Ratio Lower Upper

82 100

128 44.3 41.8 62.8

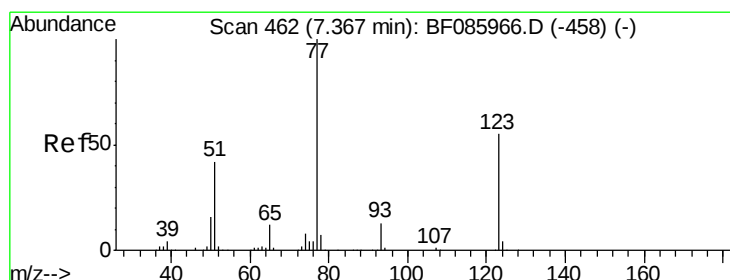
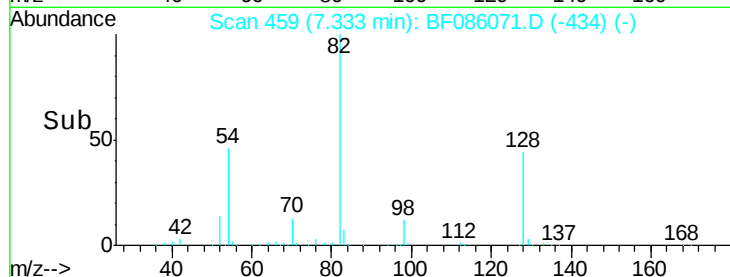
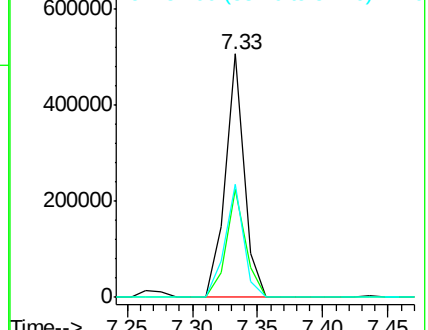
54 46.4 33.4 50.0



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: 37.78 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

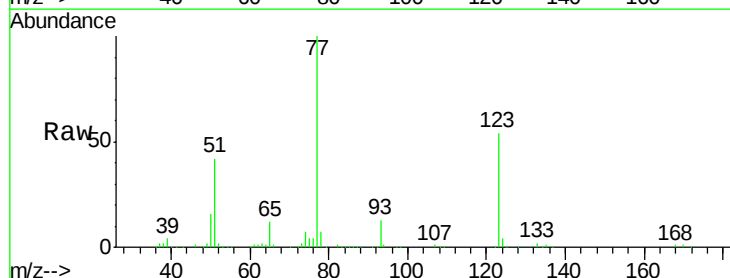
Tgt Ion: 77 Resp: 274907

Ion Ratio Lower Upper

77 100

123 54.4 35.0 52.4#

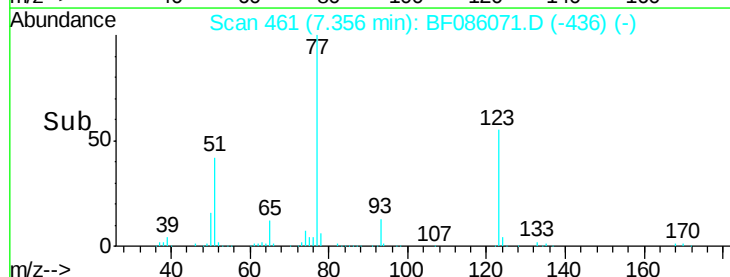
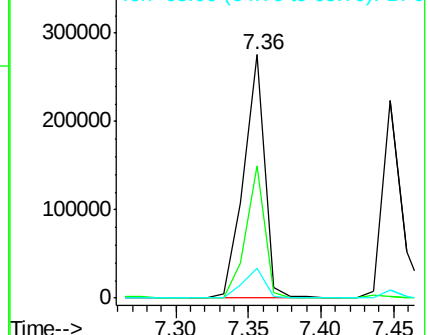
65 12.4 10.6 16.0

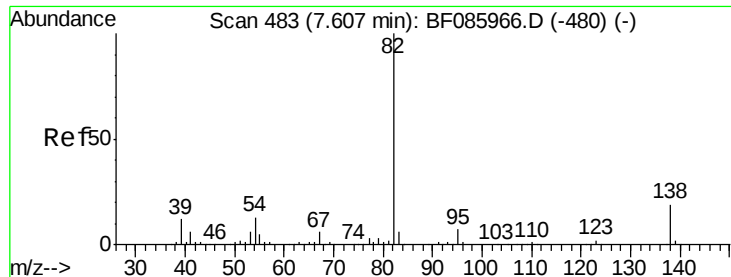


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 37.28 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

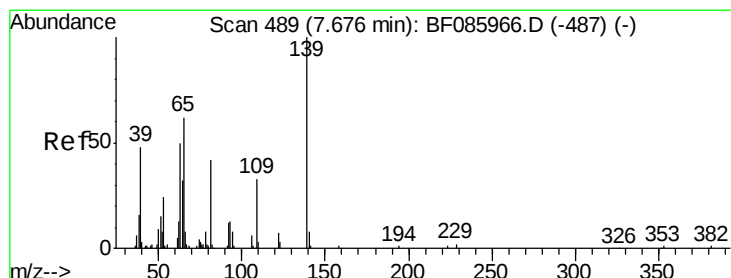
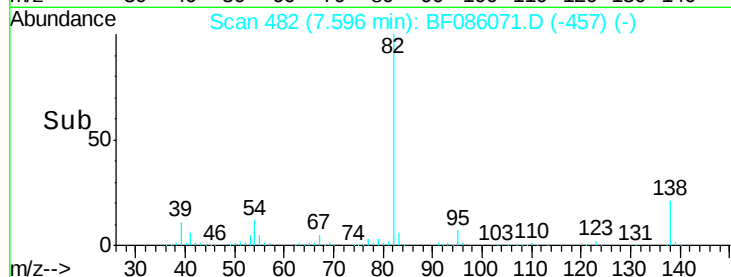
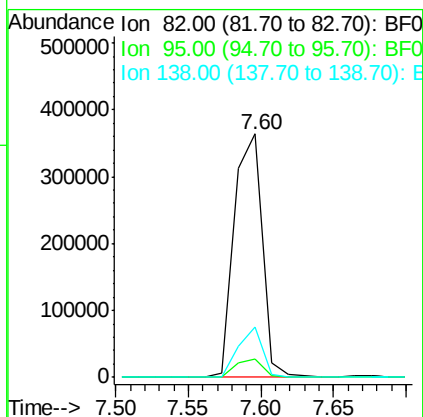
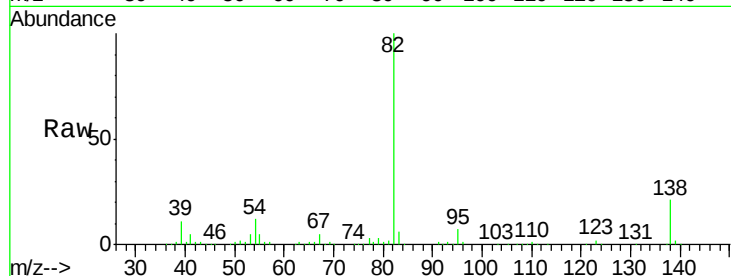
Tot Ion: 82 Resp: 489442

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.2

138 20.6 12.9 19.3#



#26

2-Nitrophenol

Concen: 29.87 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

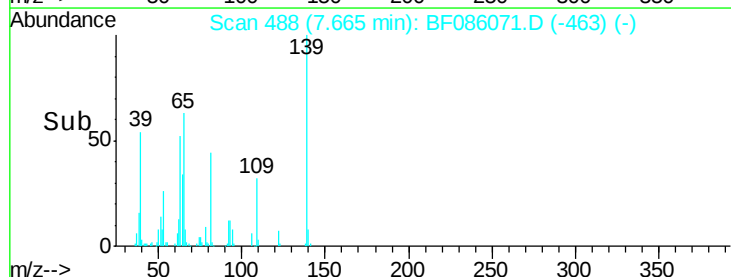
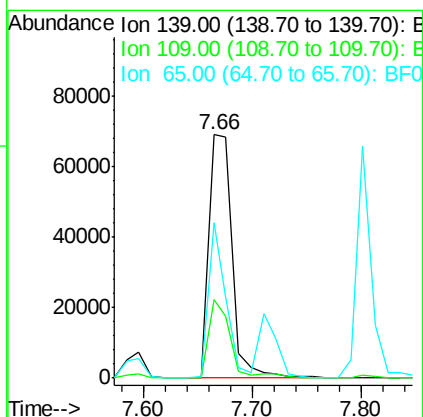
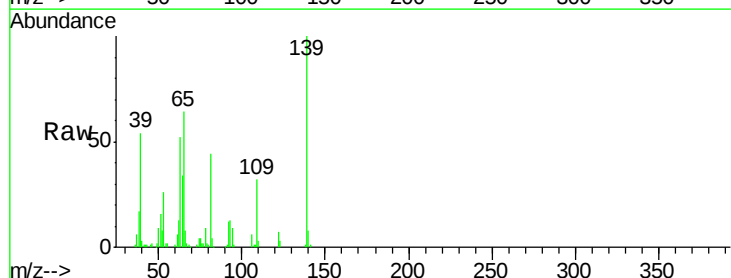
Tgt Ion: 139 Resp: 104002

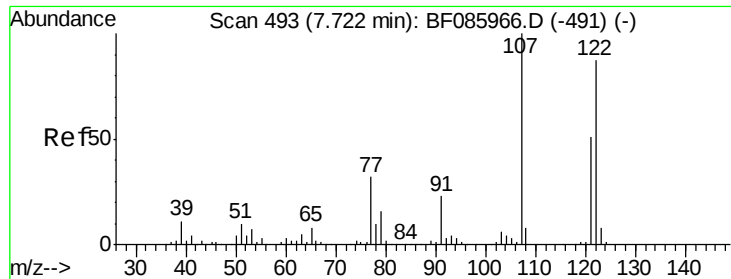
Ion Ratio Lower Upper

139 100

109 32.4 22.1 33.1

65 63.9 33.9 50.9#

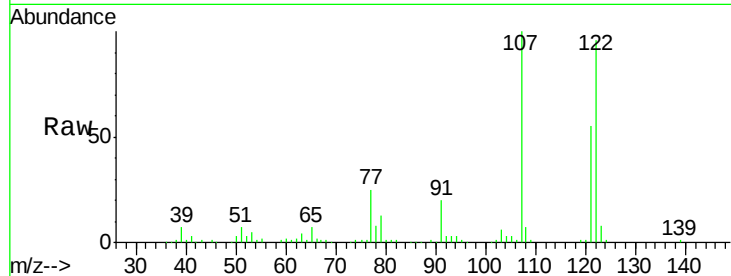




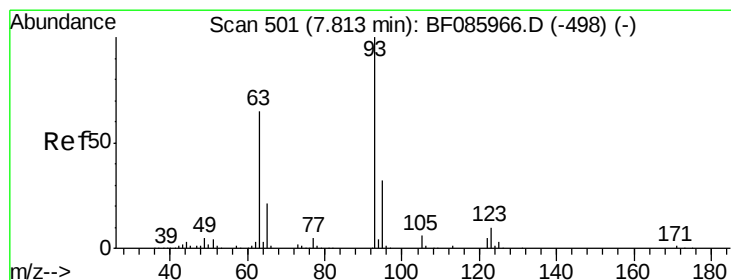
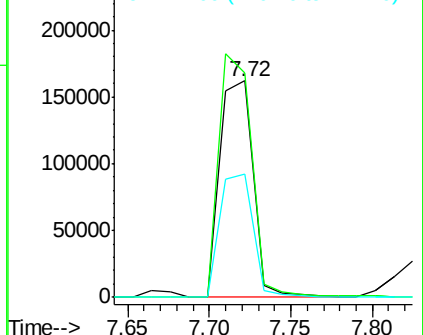
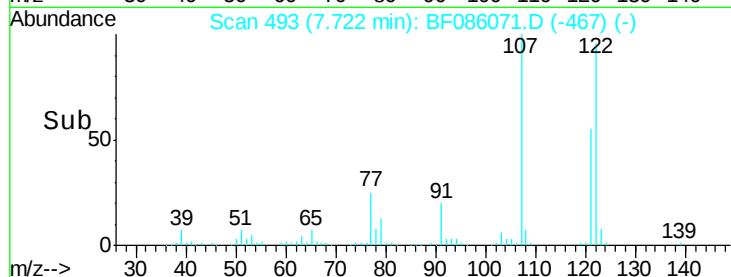
#27
2,4-Dimethylphenol
Concen: 36.28 ng
RT: 7.72 min Scan# 493
Delta R.T. 0.00 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion:122 Resp: 226839
Ion Ratio Lower Upper
122 100
107 103.8 93.0 139.6
121 57.2 45.9 68.9

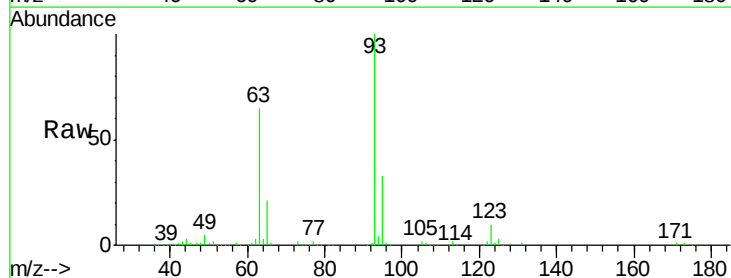


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

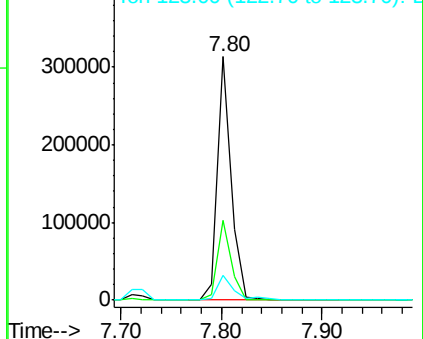
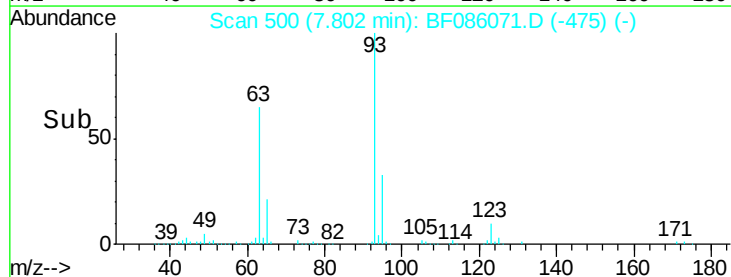


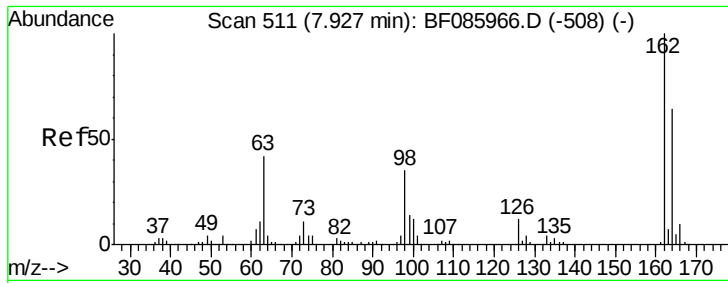
#28
bis(2-Chloroethoxy)methane
Concen: 38.52 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion: 93 Resp: 296709
Ion Ratio Lower Upper
93 100
95 32.6 26.4 39.6
123 10.3 9.8 14.6



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

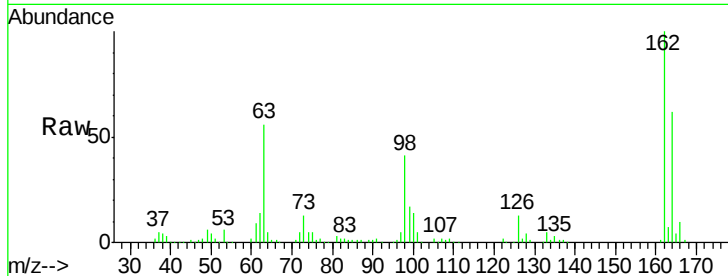




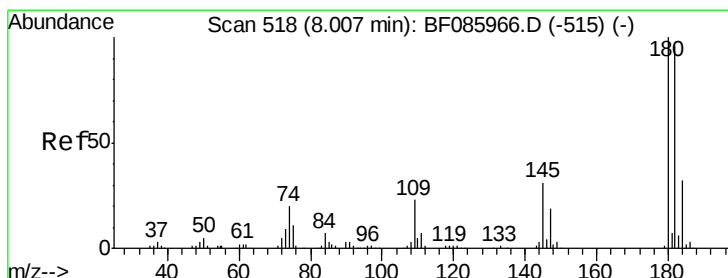
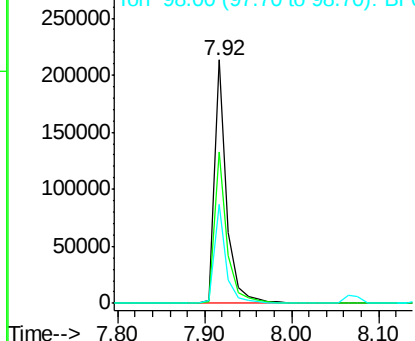
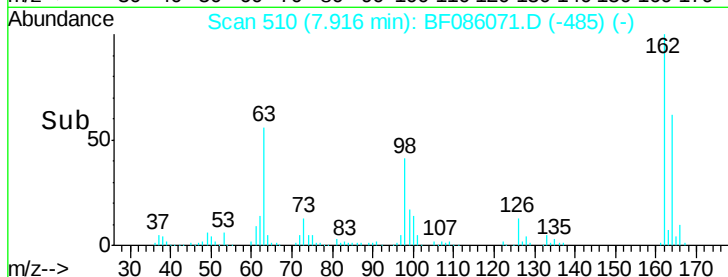
#29
 2,4-Dichlorophenol
 Concen: 39.73 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampled :
 PB89469BS

Tot Ion:162 Resp: 210021
 Ion Ratio Lower Upper
 162 100
 164 62.2 43.7 83.7
 98 40.8 20.4 60.4

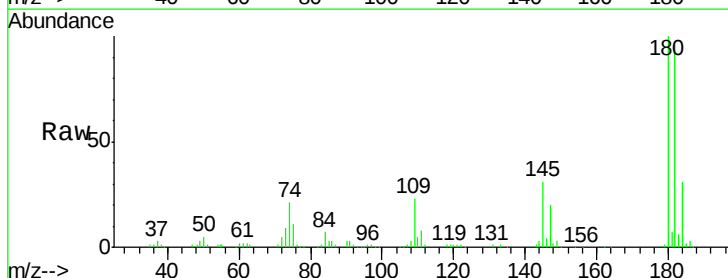


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

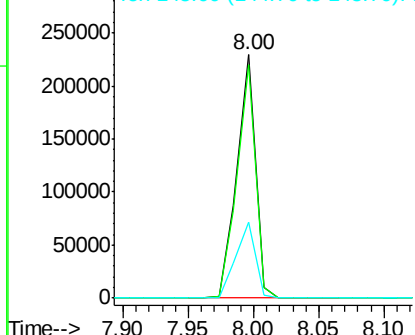
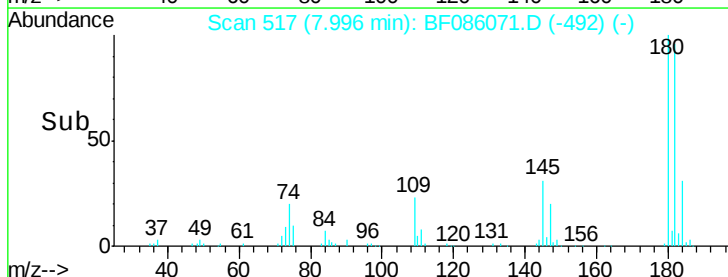


#30
 1,2,4-Trichlorobenzene
 Concen: 38.15 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:180 Resp: 226390
 Ion Ratio Lower Upper
 180 100
 182 96.0 73.8 110.8
 145 31.2 28.4 42.6



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 36.40 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

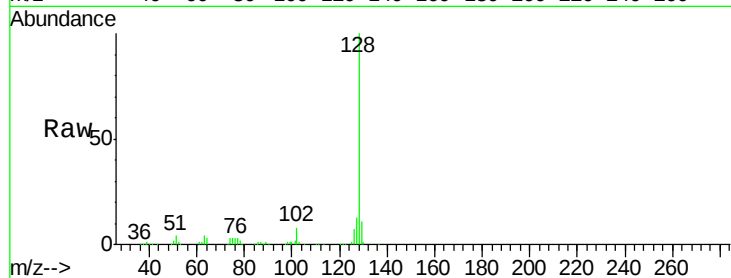
Tot Ion:128 Resp: 718217

Ion Ratio Lower Upper

128 100

129 10.7 9.4 14.0

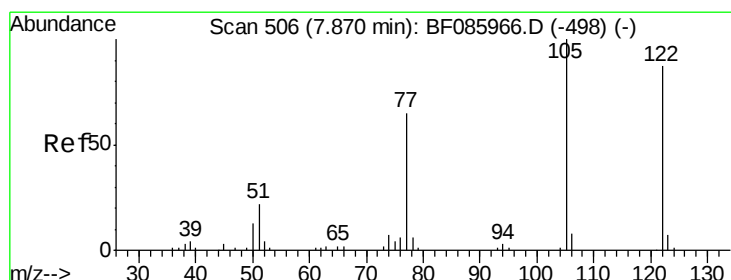
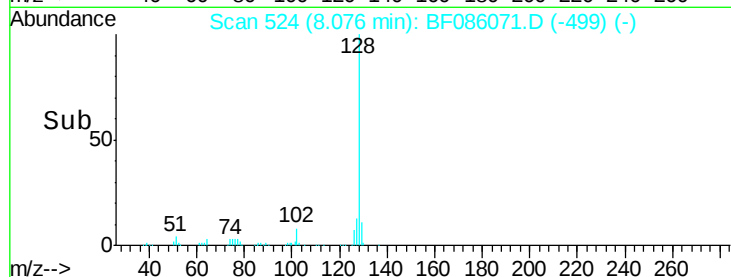
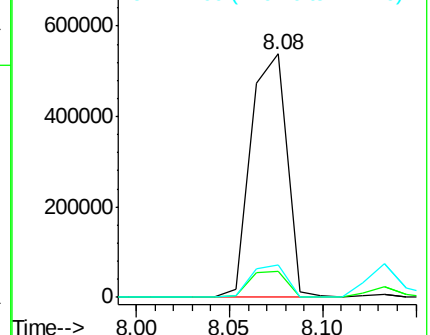
127 13.2 11.0 16.6



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: 20.01 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.03 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

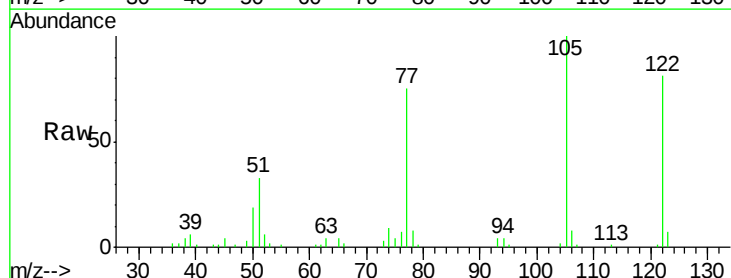
Tgt Ion:122 Resp: 91801

Ion Ratio Lower Upper

122 100

105 123.4 102.9 142.9

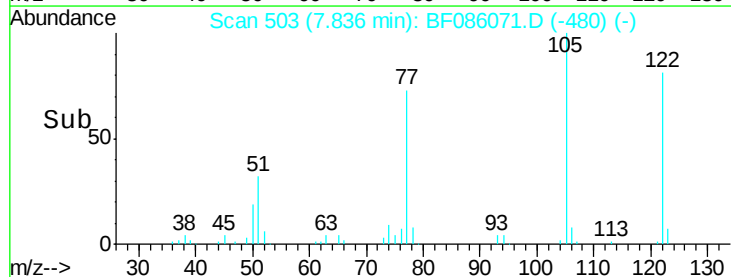
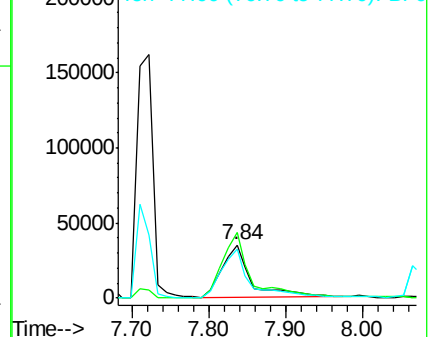
77 92.1 71.8 111.8

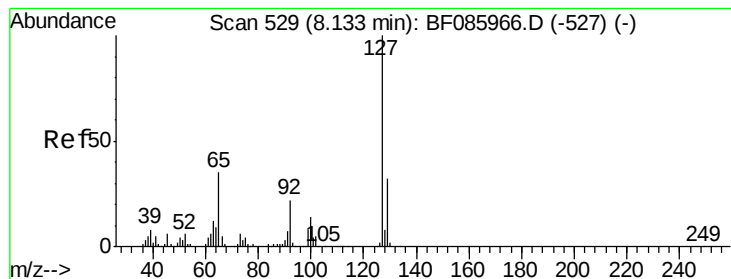


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 12.86 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

Tot Ion:127 Resp: 102492

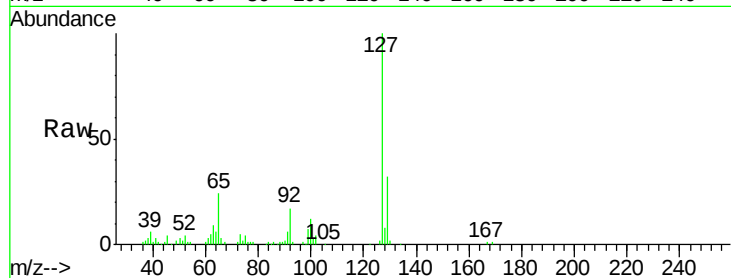
Ion Ratio Lower Upper

127 100

129 31.6 26.1 39.1

65 23.7 19.5 29.3

92 16.9 14.6 22.0

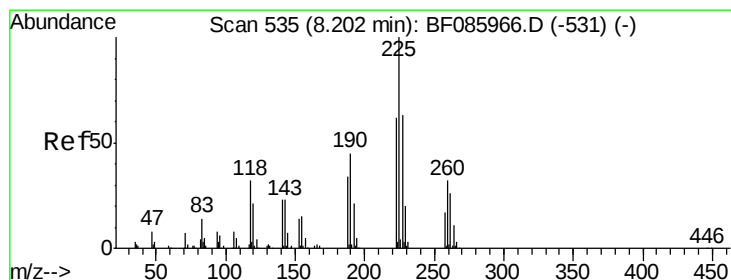
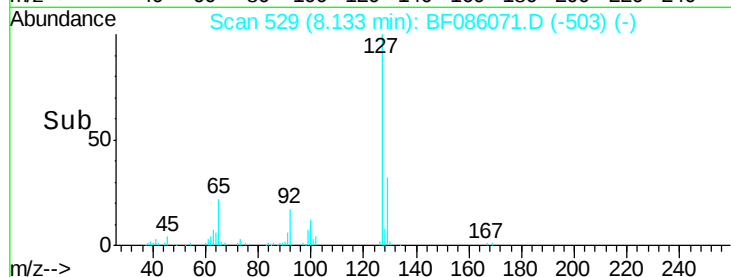
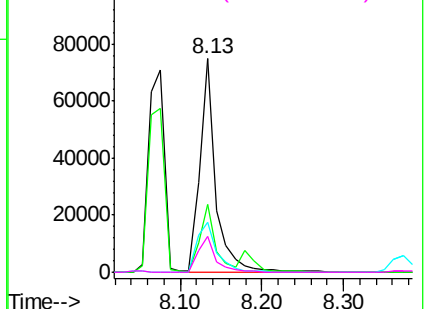


Abundance Ion 127.00 (126.70 to 127.70): E

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: 37.41 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

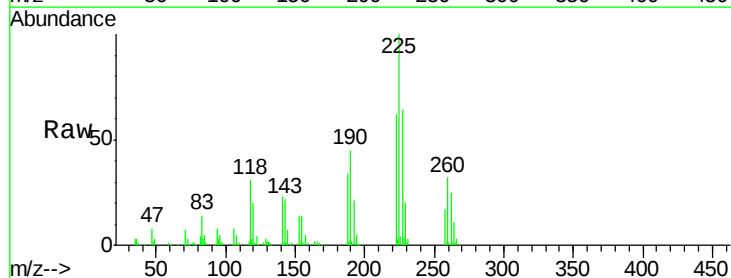
Tgt Ion:225 Resp: 119341

Ion Ratio Lower Upper

225 100

223 62.4 50.4 75.6

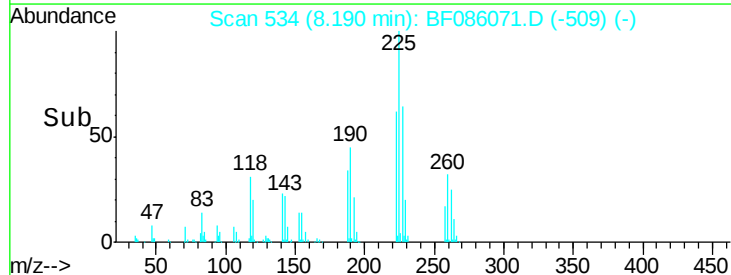
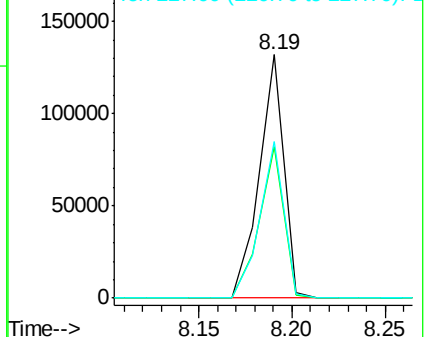
227 64.1 51.4 77.2



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

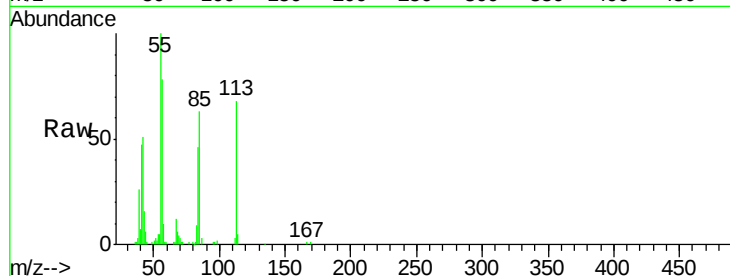




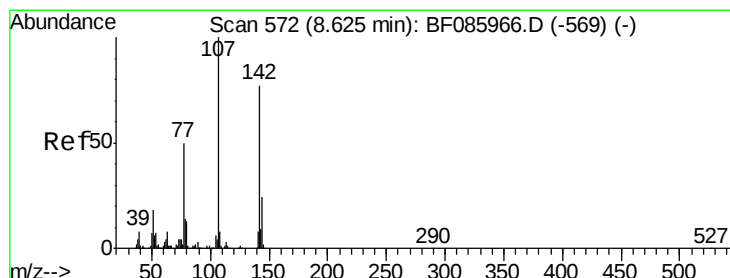
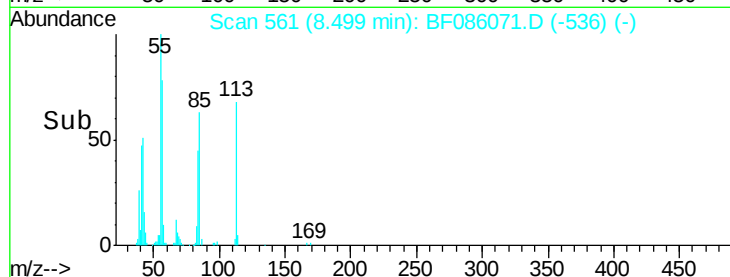
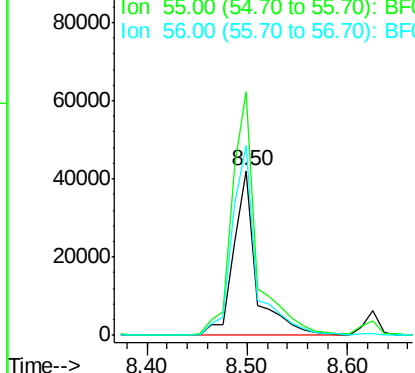
#35
Caprolactam
Concen: 39.08 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion:113 Resp: 65531
Ion Ratio Lower Upper
113 100
55 147.9 139.4 179.4
56 115.6 100.4 140.4

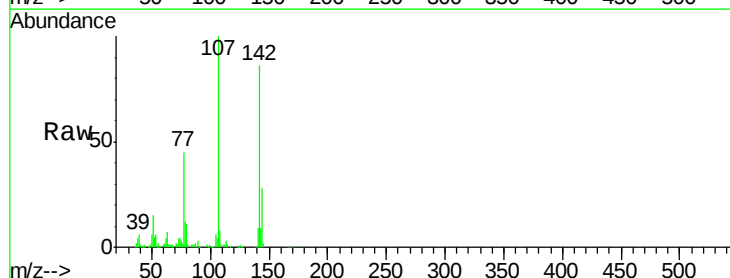


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

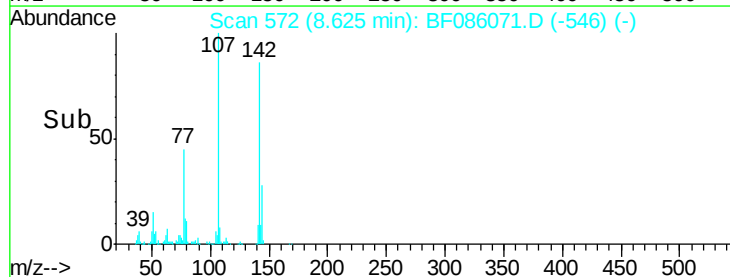
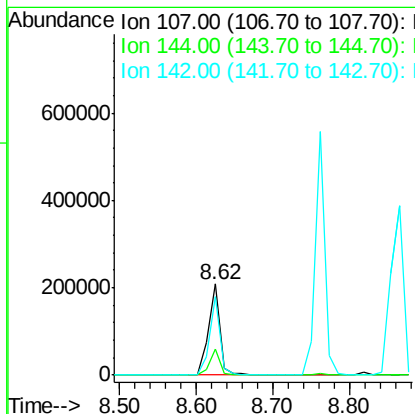


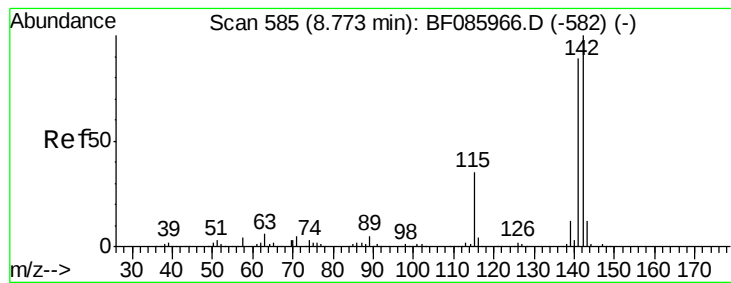
#36
4-Chloro-3-methylphenol
Concen: 36.08 ng
RT: 8.62 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:107 Resp: 214408
Ion Ratio Lower Upper
107 100
144 28.0 19.3 28.9
142 86.2 61.4 92.0



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

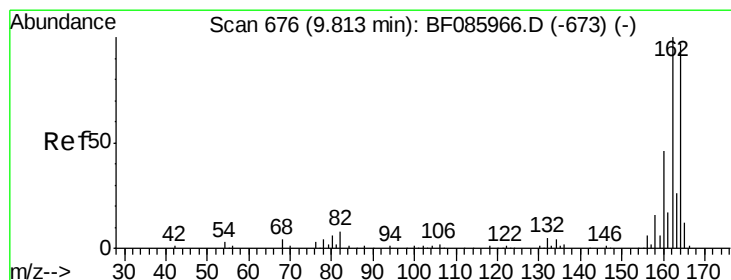
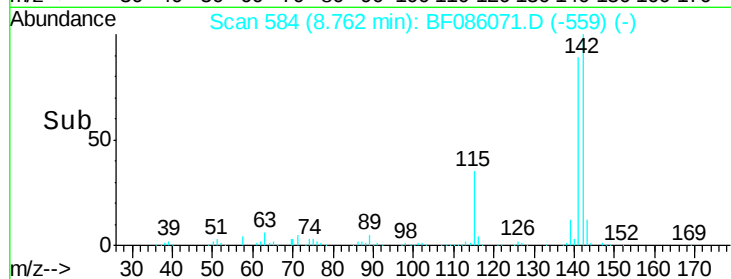
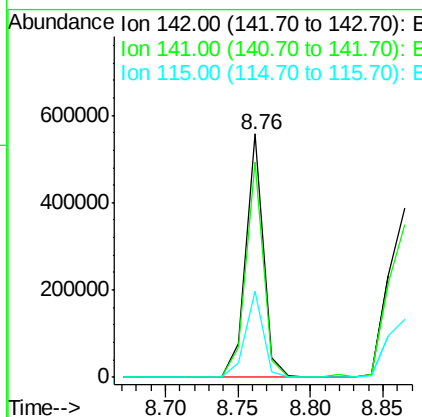
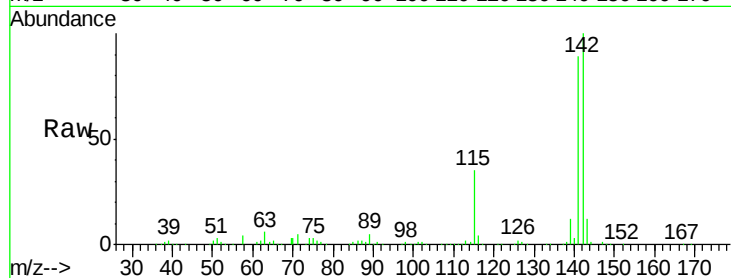




#37
 2-Methylnaphthalene
 Concen: 36.51 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

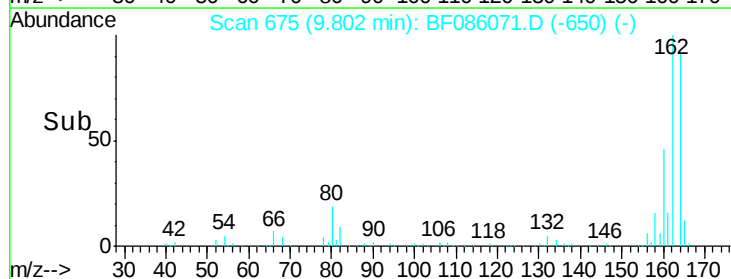
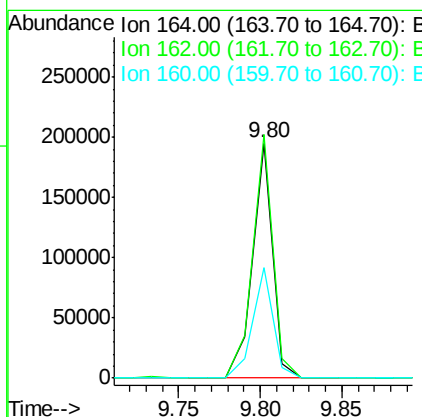
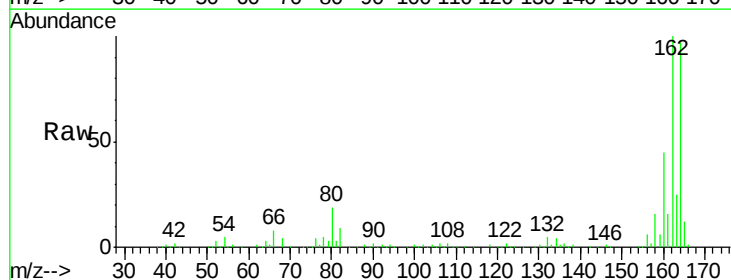
Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

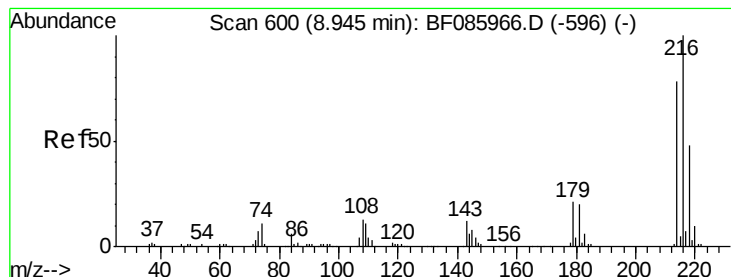
Tot Ion:142 Resp: 470487
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.6 107.4
 115 35.5 26.8 40.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:164 Resp: 166768
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.1 123.1
 160 47.0 37.4 56.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.46 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

Tot Ion:216 Resp: 192765

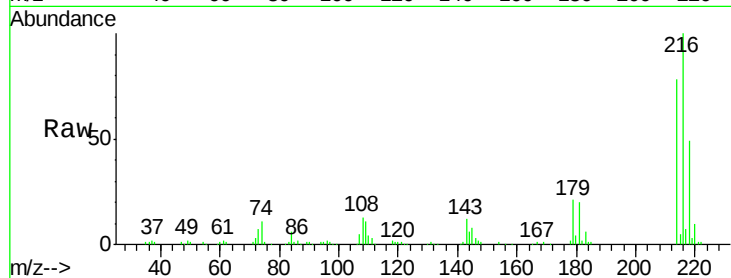
Ion Ratio Lower Upper

216 100

214 78.9 63.1 94.7

179 22.7 18.2 27.2

108 19.5 17.3 25.9

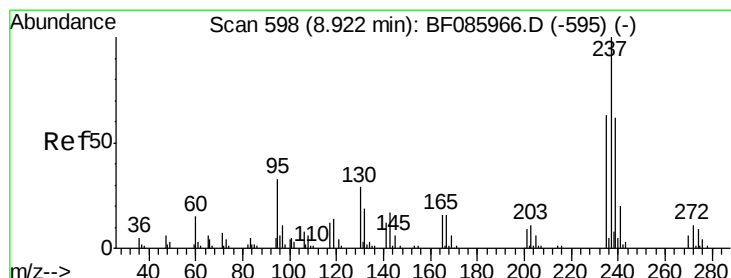
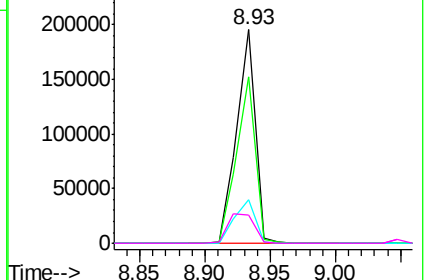
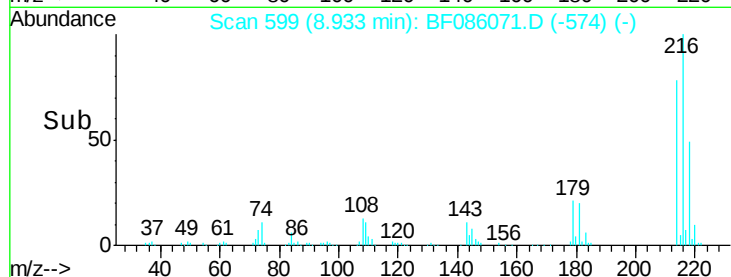


Abundance Ion 216.00 (215.70 to 216.70): E

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: 13.13 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

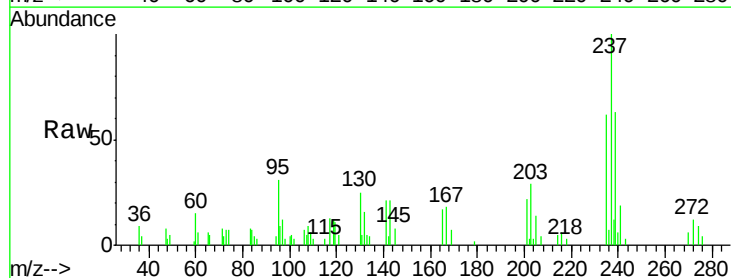
Tgt Ion:237 Resp: 10777

Ion Ratio Lower Upper

237 100

235 61.8 43.7 83.7

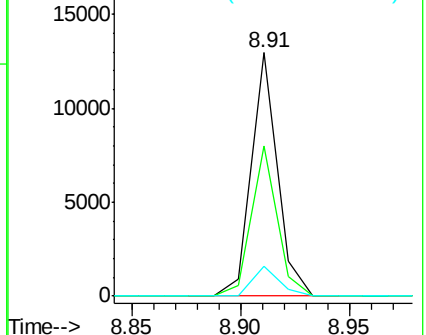
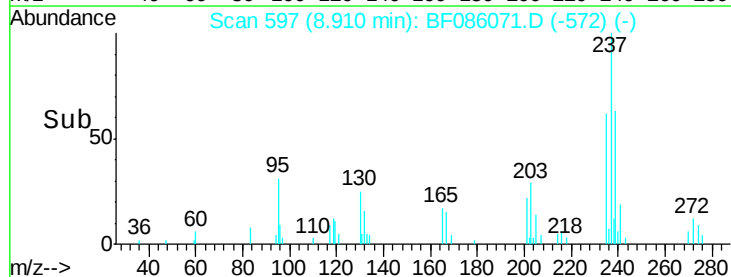
272 12.5 0.0 31.9

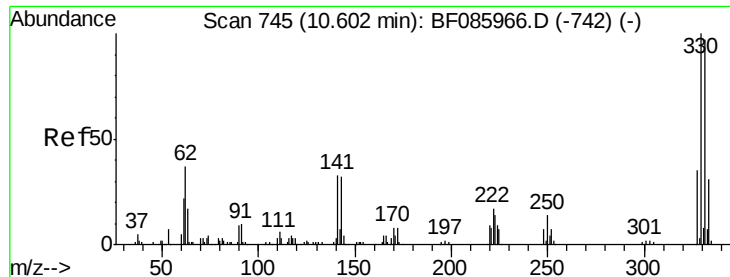


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

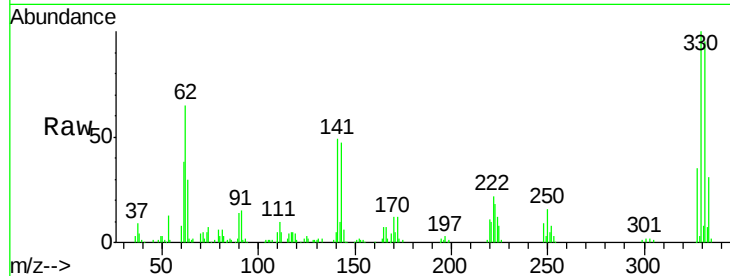




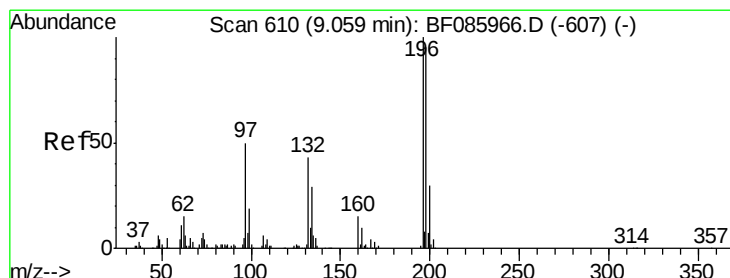
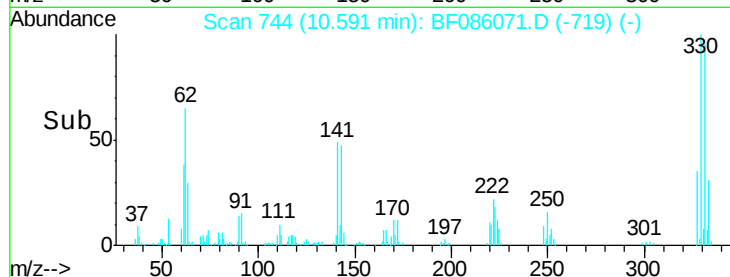
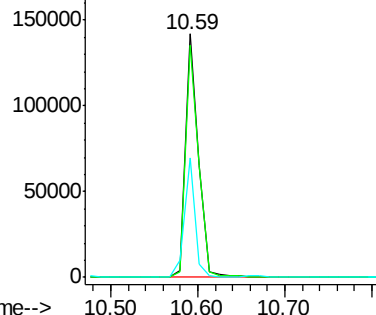
#41
 2,4,6-Tribromophenol
 Concen: 96.30 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

Tot Ion:330 Resp: 150738
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.2 117.2
 141 40.8 31.5 47.3

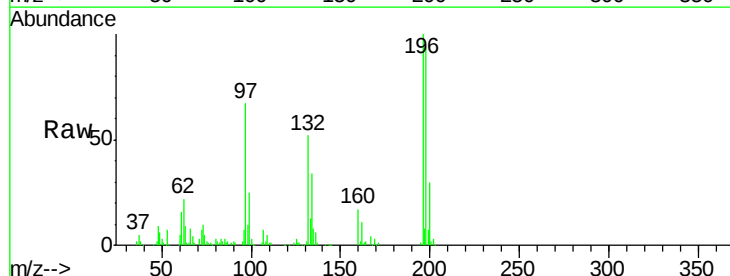


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

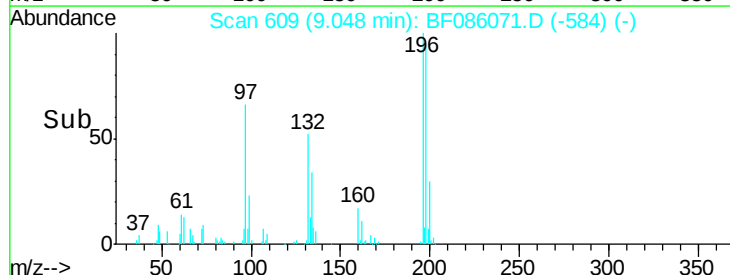
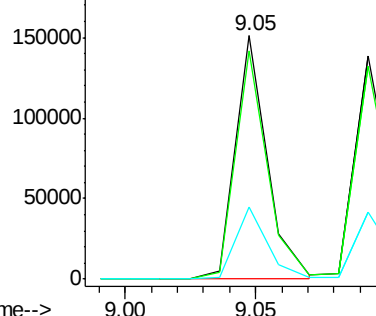


#42
 2,4,6-Trichlorophenol
 Concen: 39.84 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:196 Resp: 128229
 Ion Ratio Lower Upper
 196 100
 198 93.8 75.3 112.9
 200 29.7 23.7 35.5



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

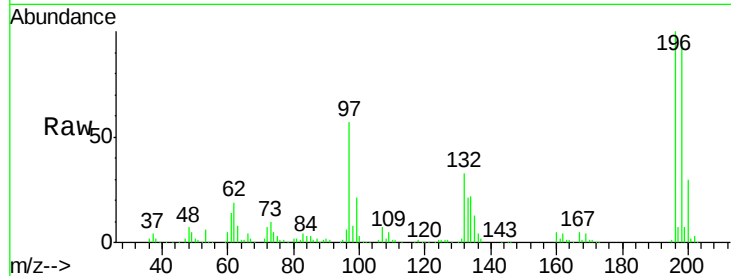




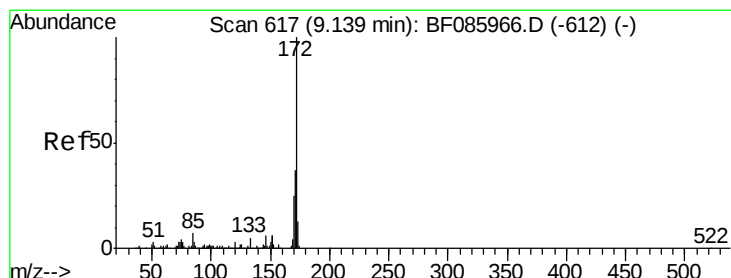
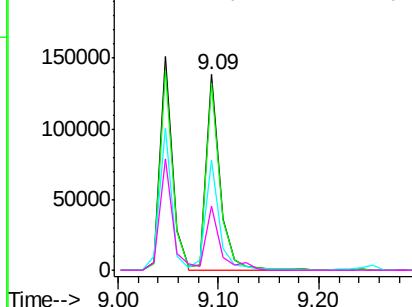
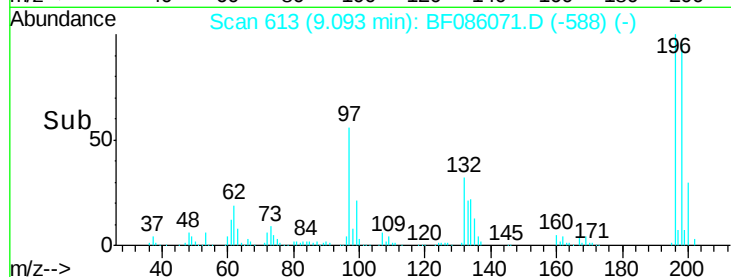
#43
 2,4,5-Trichlorophenol
 Concen: 40.70 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

Tot Ion:196 Resp: 133001
 Ion Ratio Lower Upper
 196 100
 198 95.6 76.6 114.8
 97 56.7 30.5 45.7#
 132 32.6 20.2 30.2#

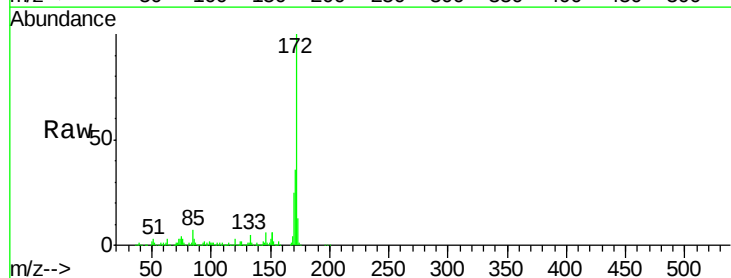


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

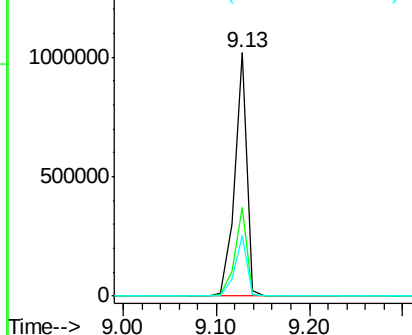
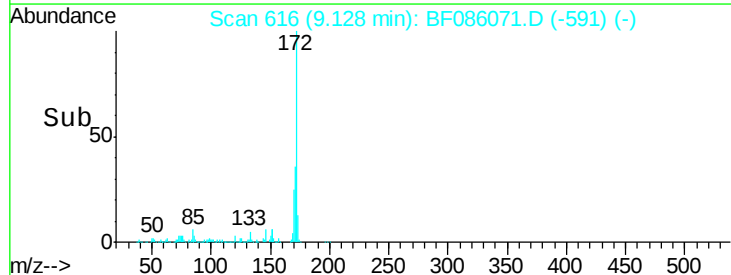


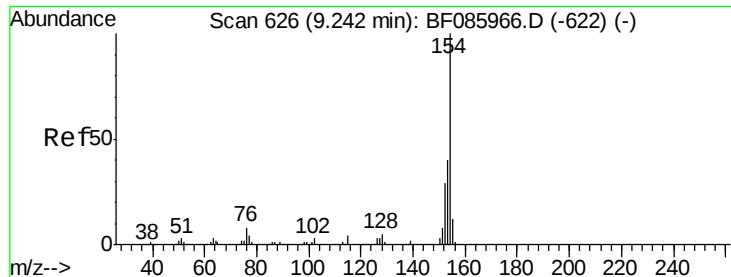
#44
 2-Fluorobiphenyl
 Concen: 93.06 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:172 Resp: 933423
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.2
 170 24.7 19.8 29.6



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: 38.54 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

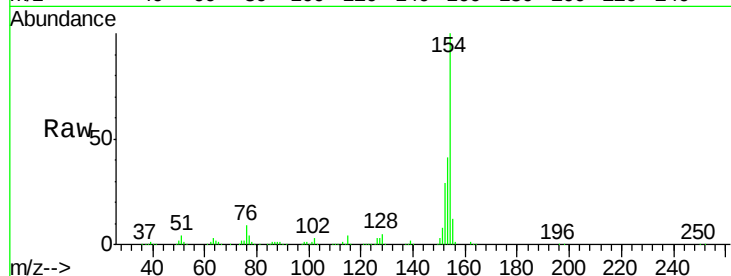
Tot Ion:154 Resp: 554206

Ion Ratio Lower Upper

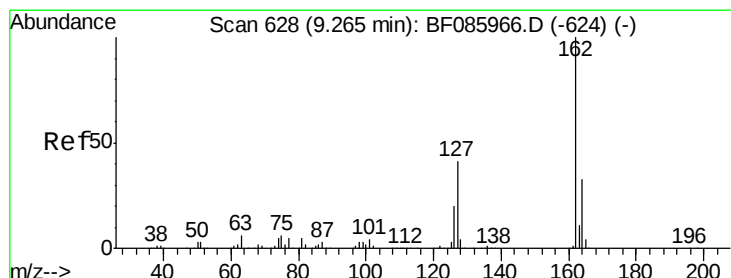
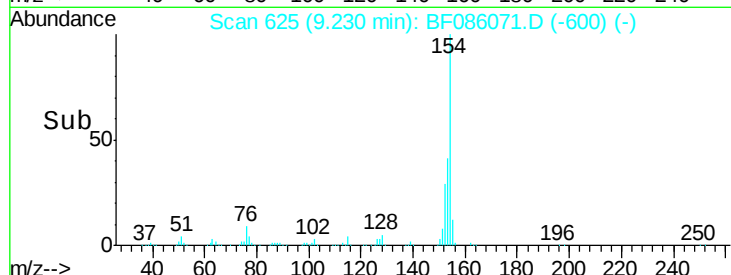
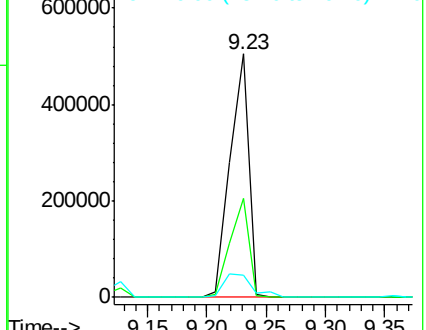
154 100

153 40.7 20.8 60.8

76 8.9 0.0 36.7



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: 40.57 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

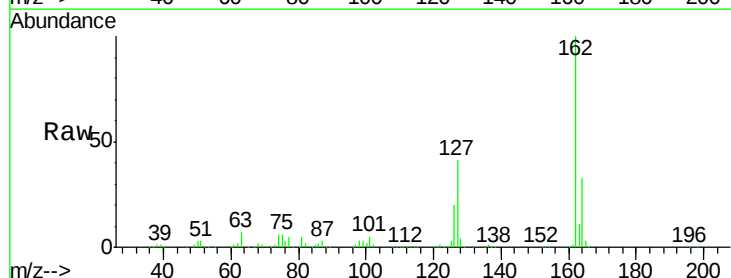
Tgt Ion:162 Resp: 422844

Ion Ratio Lower Upper

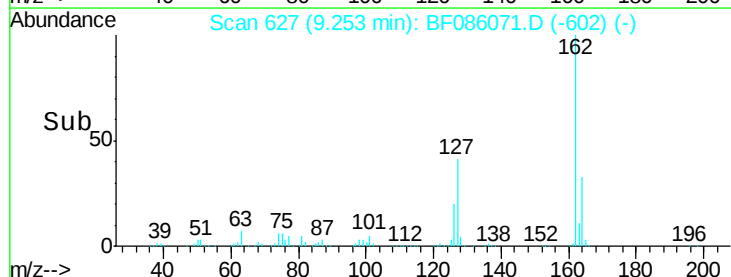
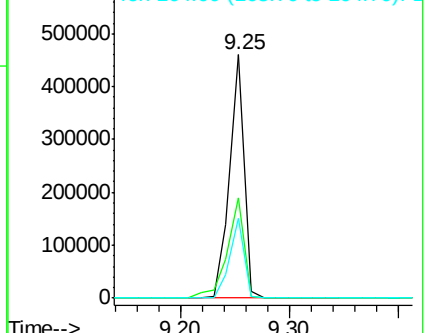
162 100

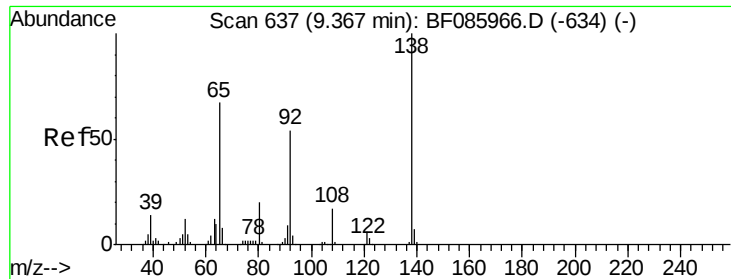
127 41.2 31.7 47.5

164 32.9 27.3 40.9



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

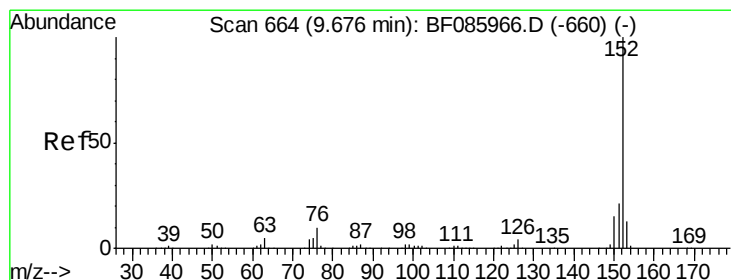
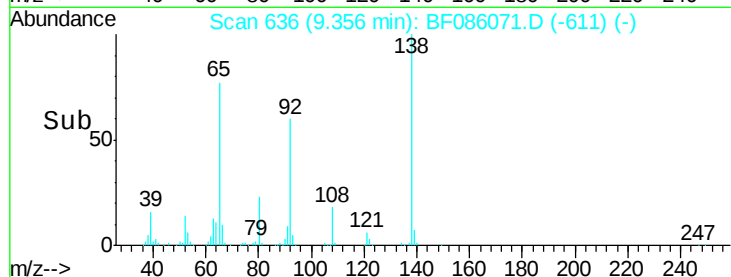
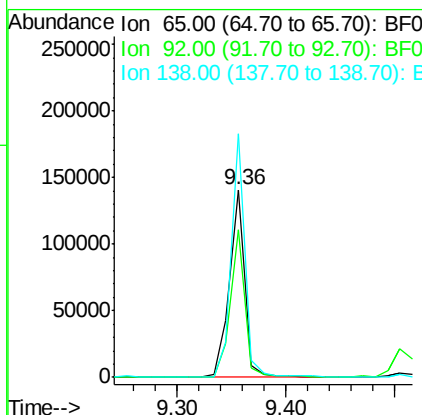
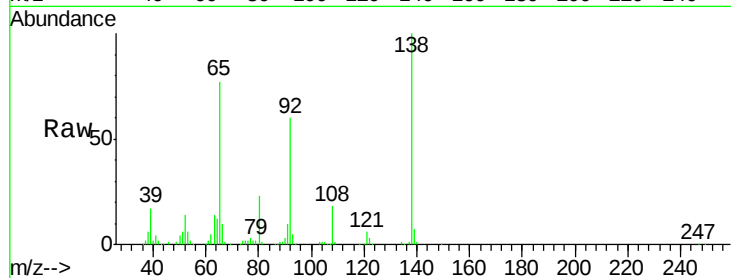




#47
2-Nitroaniline
Concen: 45.11 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

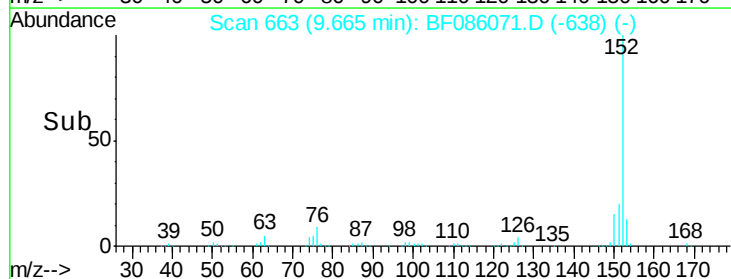
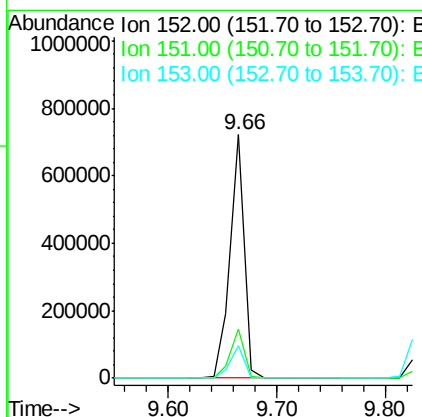
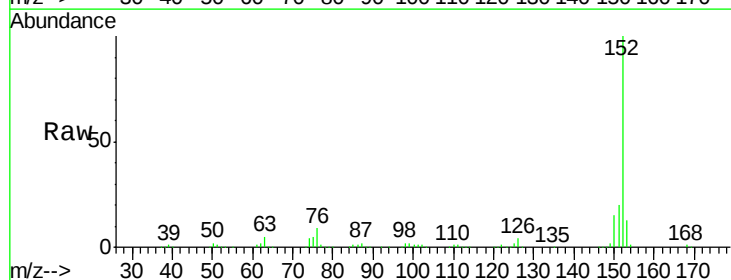
Instrument :
BNA_F
ClientSampleId :
PB89469BS

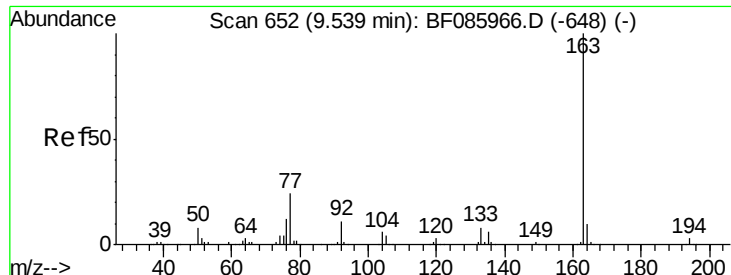
Tot Ion: 65 Resp: 137589
Ion Ratio Lower Upper
65 100
92 78.4 59.7 89.5
138 129.8 91.4 137.0



#48
Acenaphthylene
Concen: 38.68 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion: 152 Resp: 645879
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 13.3 10.9 16.3

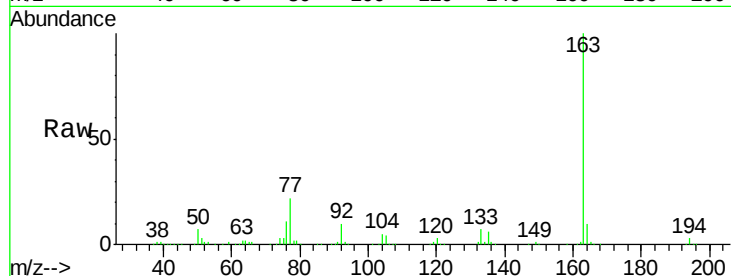




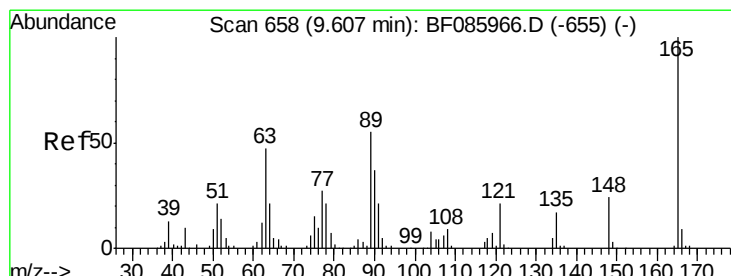
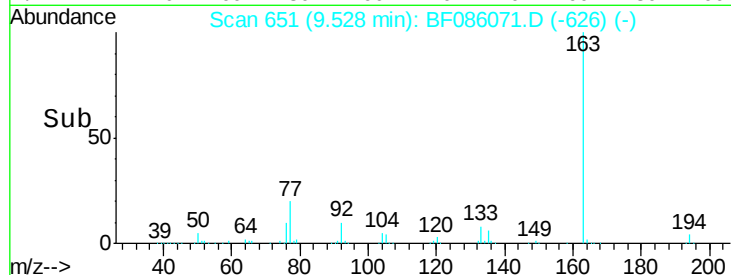
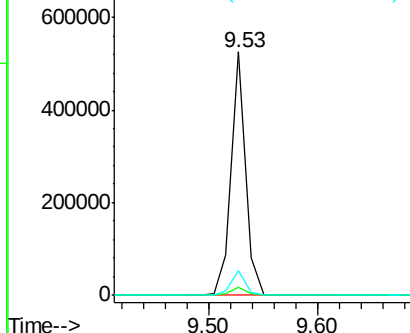
#49
Dimethylphthalate
Concen: 38.97 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion:163 Resp: 481745
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.4 8.3 12.5

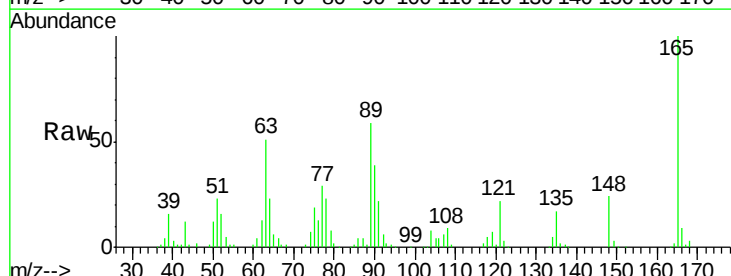


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

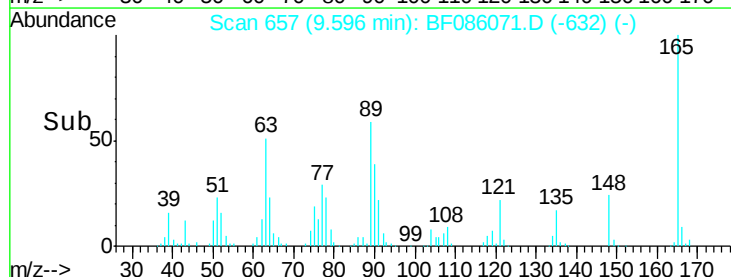
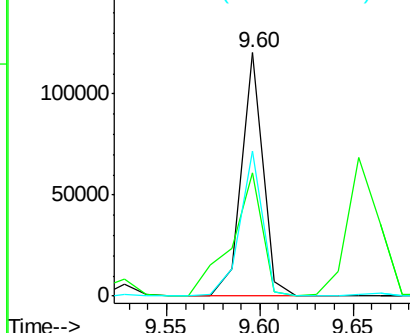


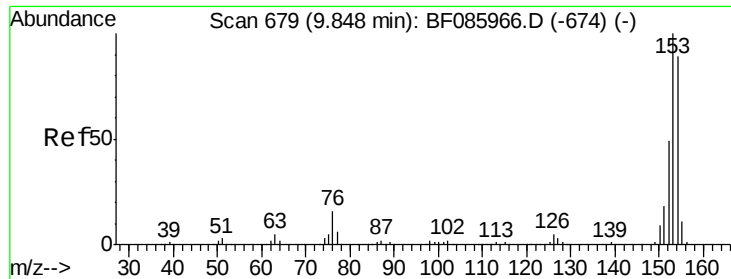
#50
2,6-Dinitrotoluene
Concen: 37.20 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:165 Resp: 97289
Ion Ratio Lower Upper
165 100
63 50.8 51.8 77.8#
89 59.4 53.7 80.5



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: 38.71 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

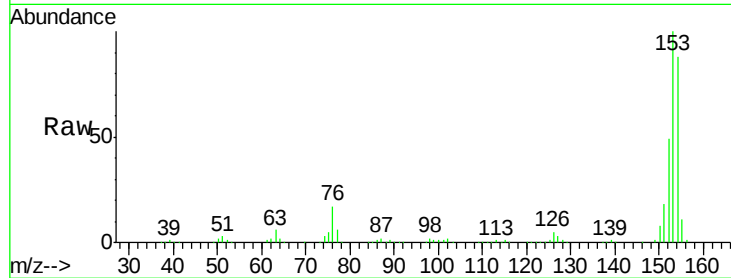
Tot Ion:154 Resp: 384399

Ion Ratio Lower Upper

154 100

153 113.9 90.1 135.1

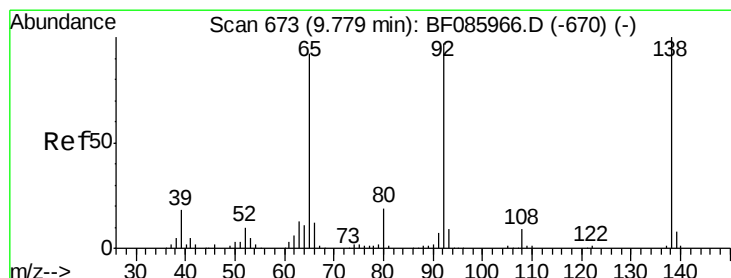
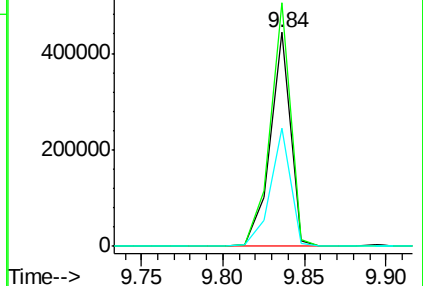
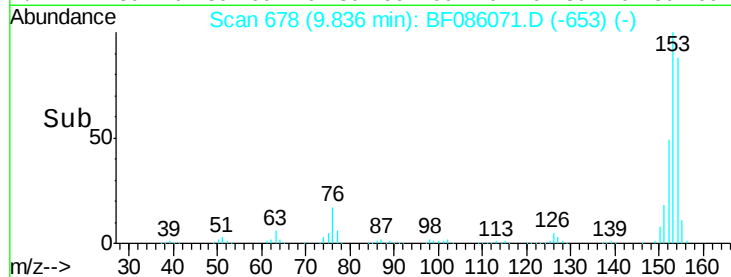
152 55.4 44.2 66.2



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: 36.39 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

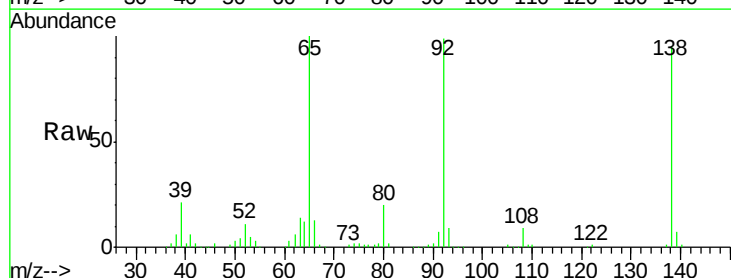
Tgt Ion:138 Resp: 114699

Ion Ratio Lower Upper

138 100

108 10.0 8.7 13.1

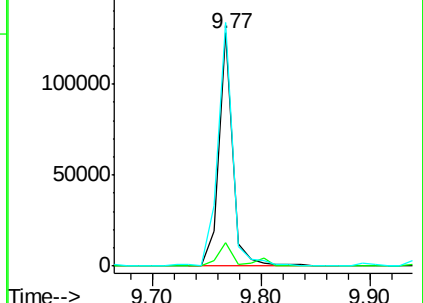
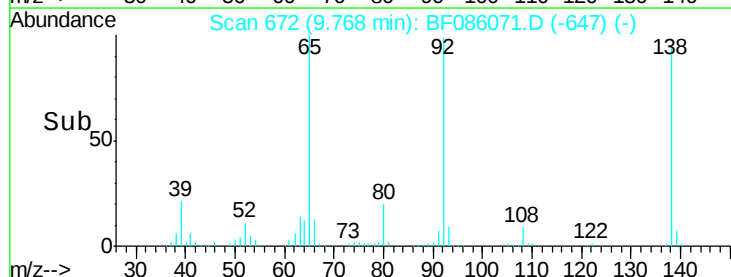
92 104.6 93.3 139.9

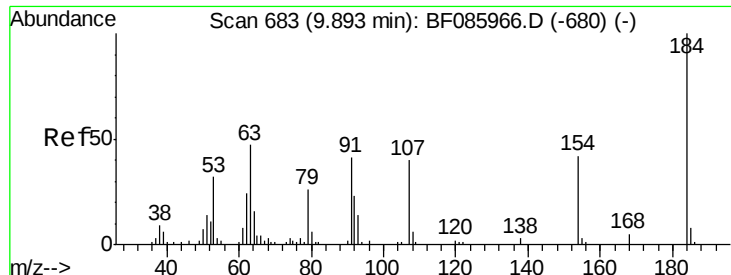


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

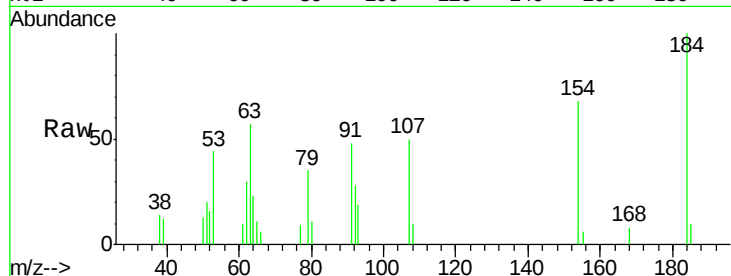




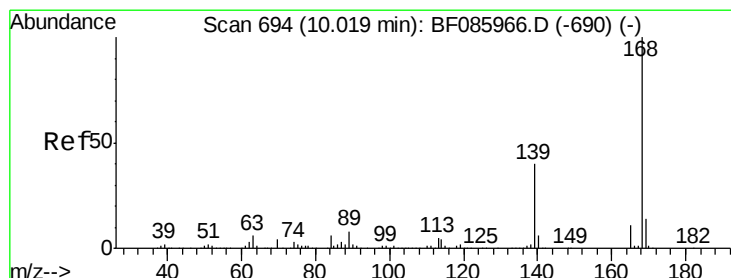
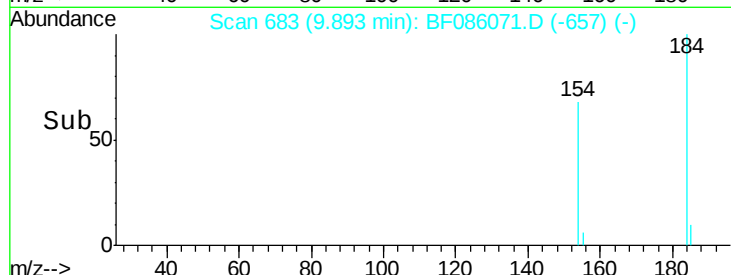
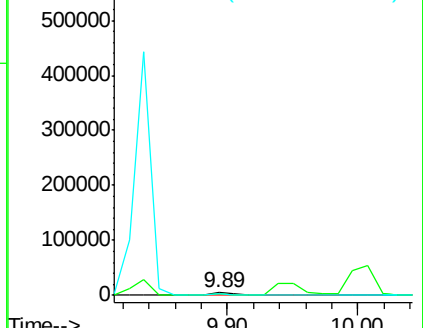
#53
 2,4-Dinitrophenol
 Concen: 10.51 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampleID :
 PB89469BS

Tot Ion:184 Resp: 8573
 Ion Ratio Lower Upper
 184 100
 63 57.4 69.5 104.3#
 154 68.1 58.3 87.5

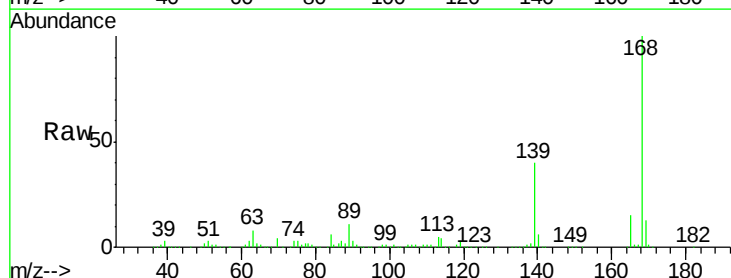


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

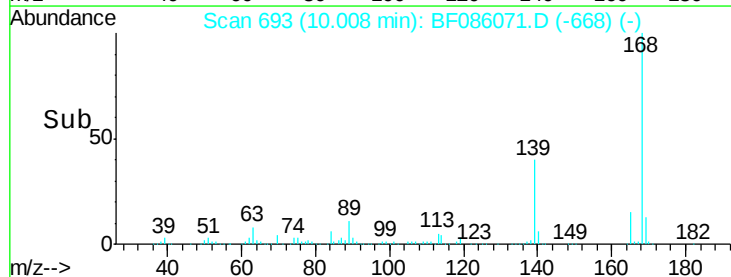
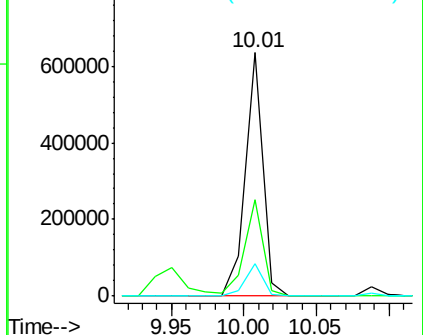


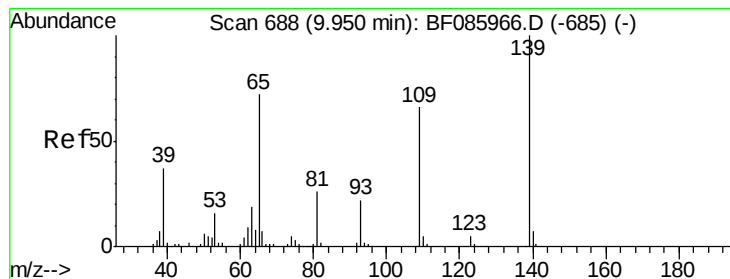
#54
 Dibenzofuran
 Concen: 40.84 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:168 Resp: 535635
 Ion Ratio Lower Upper
 168 100
 139 39.8 31.9 47.9
 169 13.4 11.0 16.6



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: 60.86 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

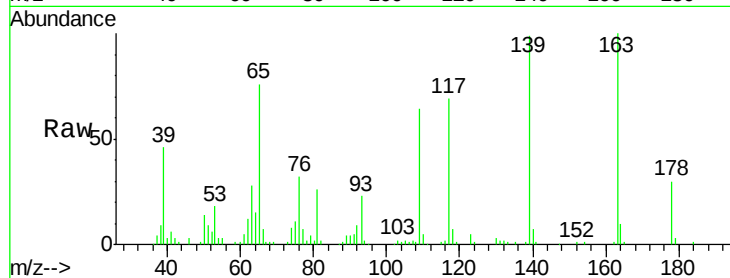
Tot Ion:139 Resp: 113084

Ion Ratio Lower Upper

139 100

109 64.9 49.2 89.2

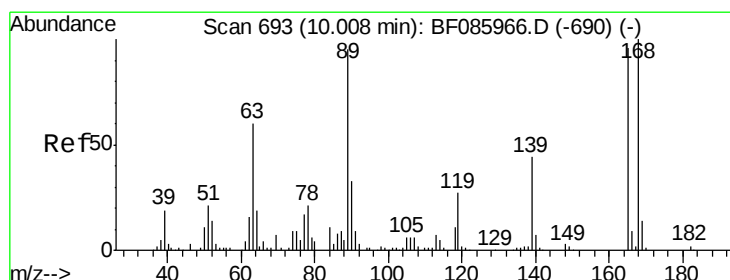
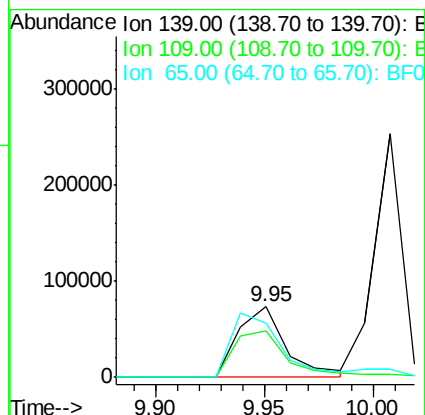
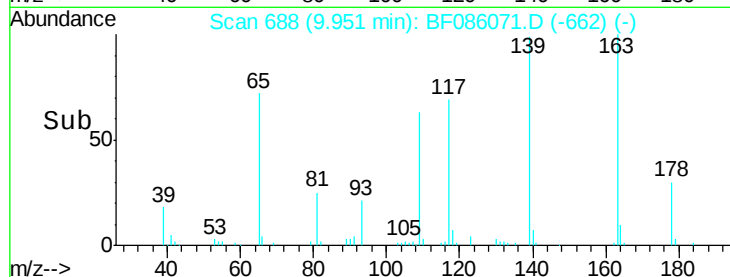
65 77.1 66.9 106.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 31.42 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Tgt Ion:165 Resp: 103816

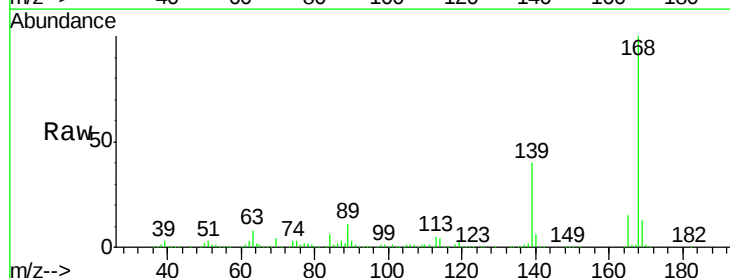
Ion Ratio Lower Upper

165 100

63 55.1 24.9 37.3#

89 72.0 41.0 61.6#

182 2.6 2.1 3.1

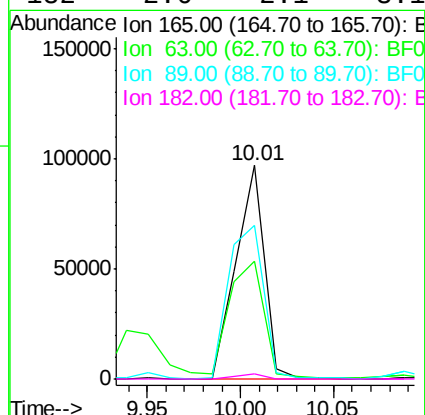
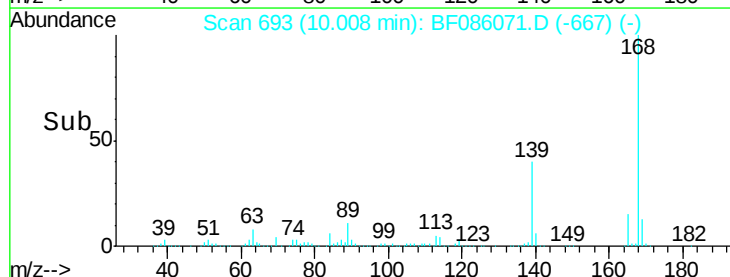


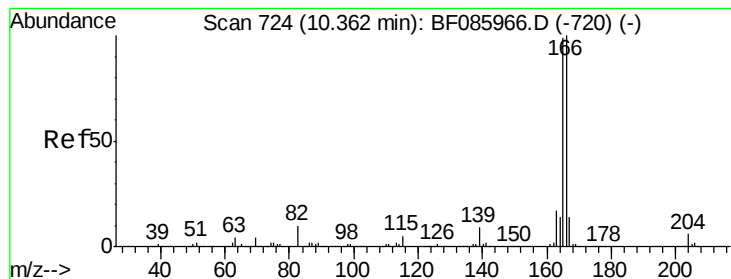
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 36.75 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

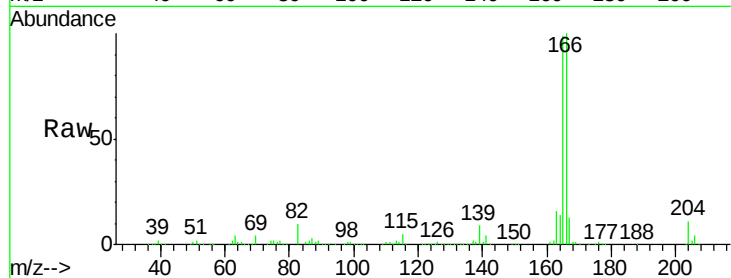
Tot Ion:166 Resp: 411752

Ion Ratio Lower Upper

166 100

165 98.6 79.4 119.0

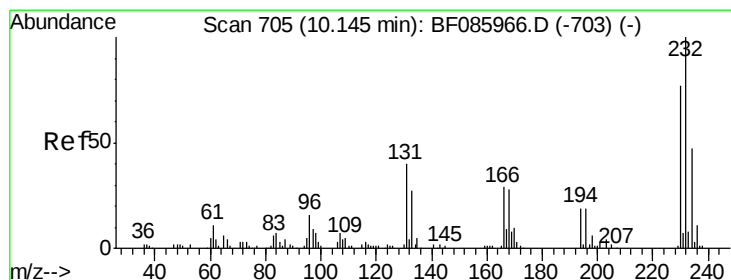
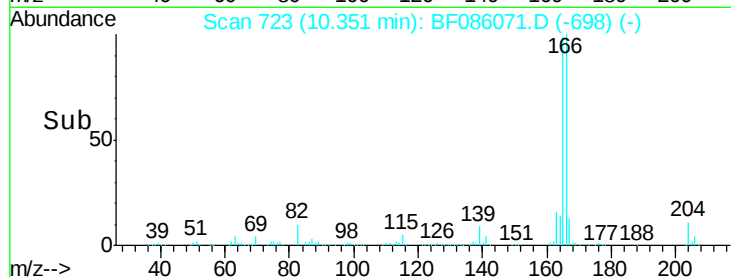
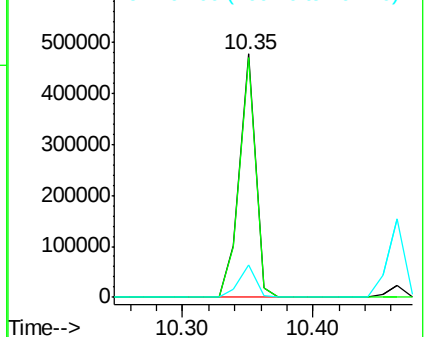
167 13.2 11.0 16.4



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: 37.00 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Tgt Ion:232 Resp: 90018

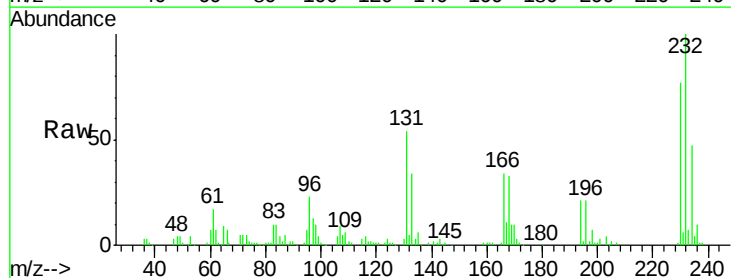
Ion Ratio Lower Upper

232 100

131 53.8 44.9 67.3

130 2.8 2.3 3.5

166 33.8 28.1 42.1

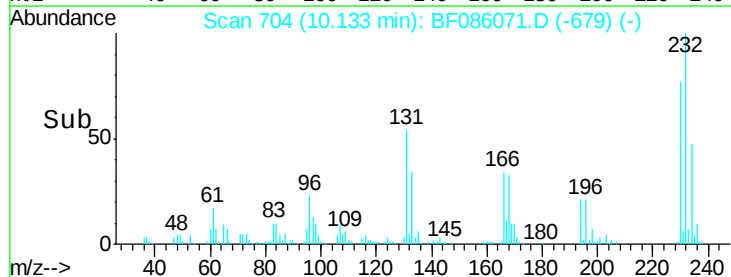
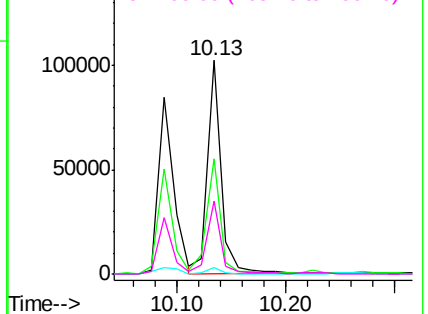


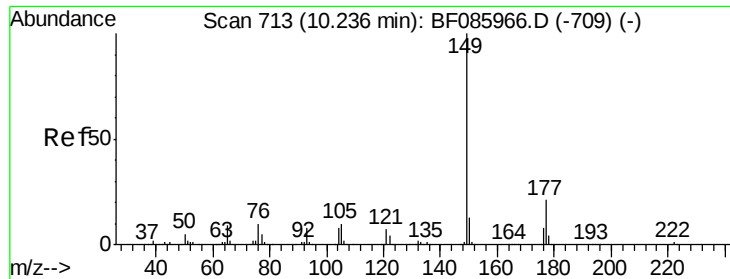
Abundance Ion 232.00 (231.70 to 232.70): E

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

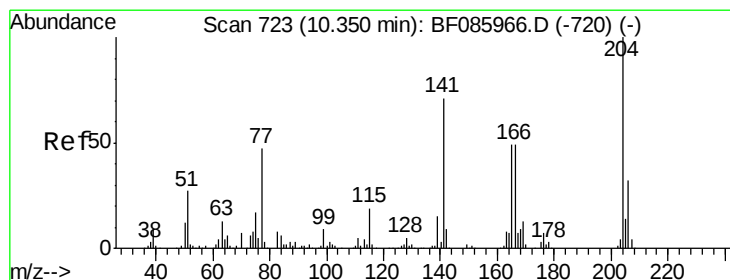
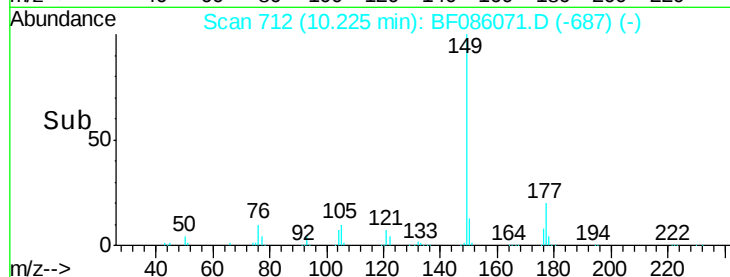
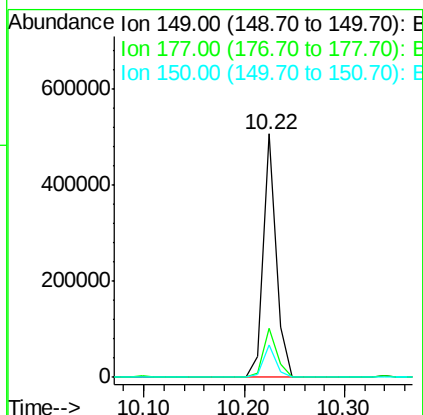
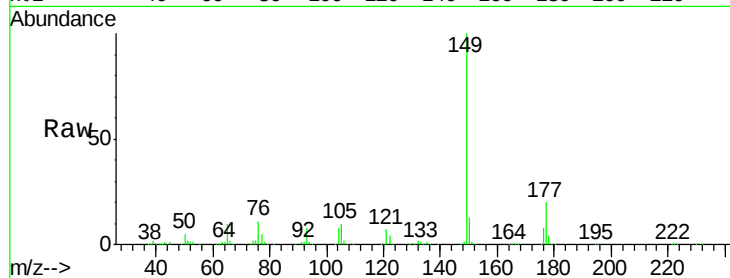




#59
Diethylphthalate
Concen: 36.38 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

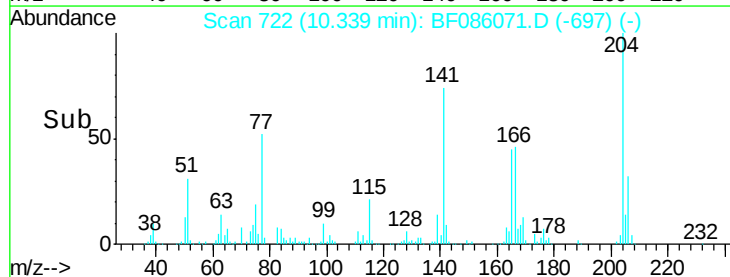
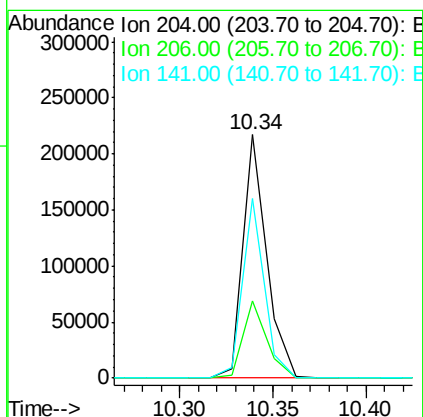
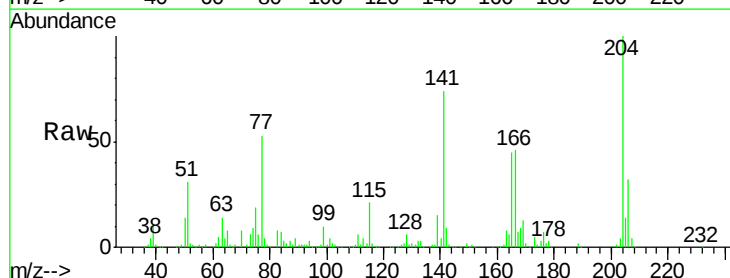
Instrument :
BNA_F
ClientSampleId :
PB89469BS

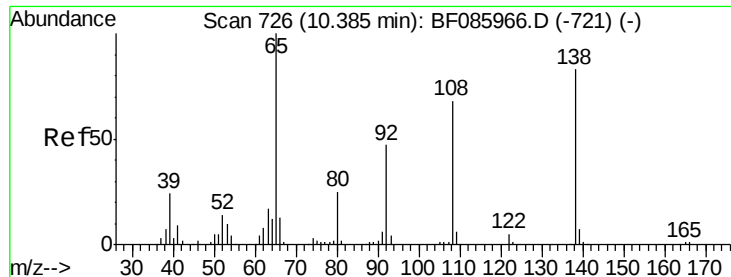
Tot Ion:149 Resp: 453830
Ion Ratio Lower Upper
149 100
177 20.4 17.9 26.9
150 13.1 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 36.68 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:204 Resp: 191432
Ion Ratio Lower Upper
204 100
206 32.0 26.6 39.8
141 73.8 57.4 86.0

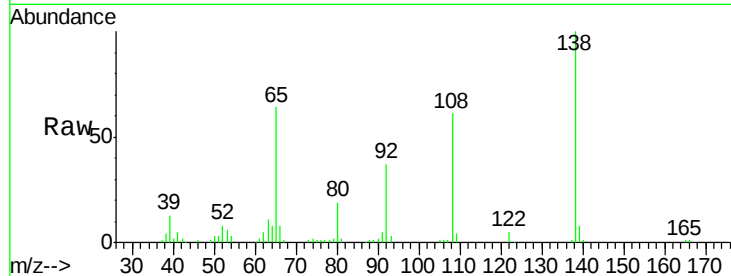




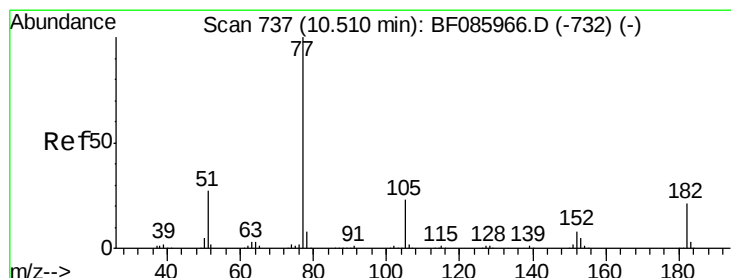
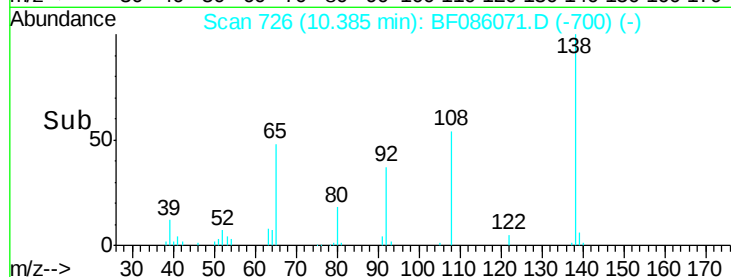
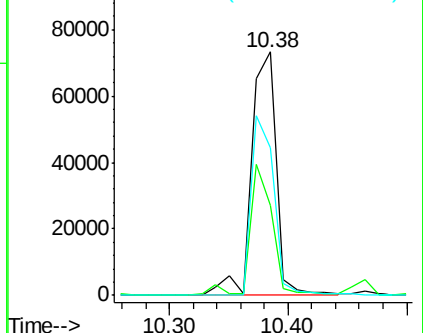
#61
4-Nitroaniline
Concen: 34.57 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion:138 Resp: 107294
Ion Ratio Lower Upper
138 100
92 37.1 26.4 66.4
108 60.7 49.0 89.0

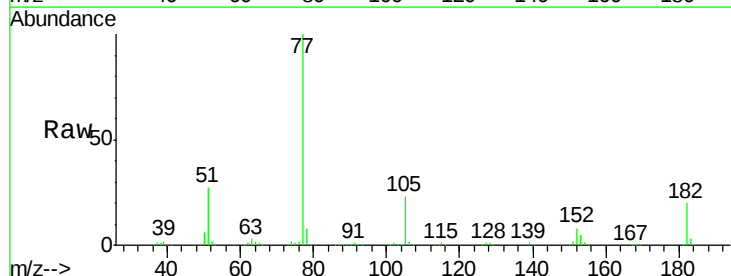


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

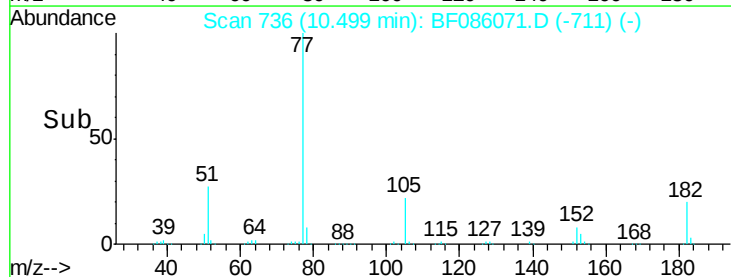
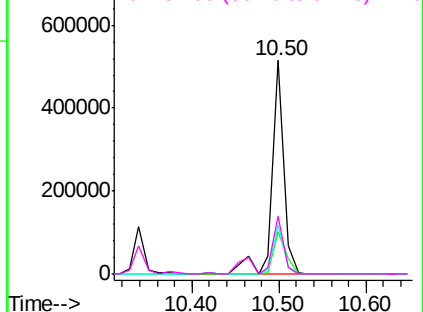


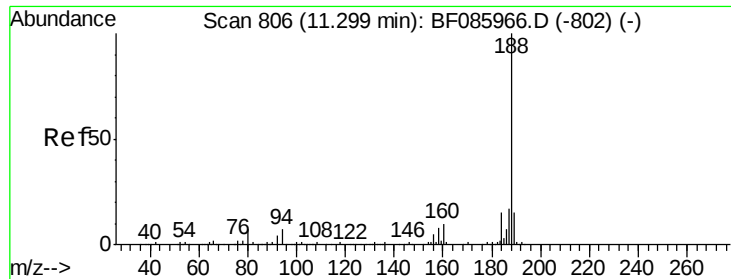
#62
Azobenzene
Concen: 40.51 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion: 77 Resp: 484060
Ion Ratio Lower Upper
77 100
182 19.8 1.9 41.9
105 23.0 3.5 43.5
51 26.9 6.3 46.3



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

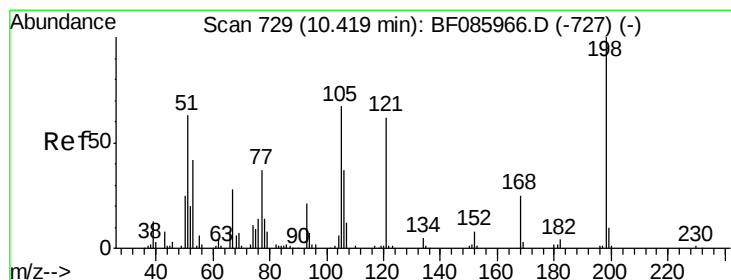
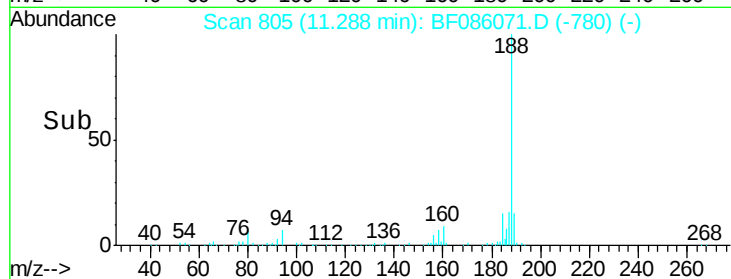
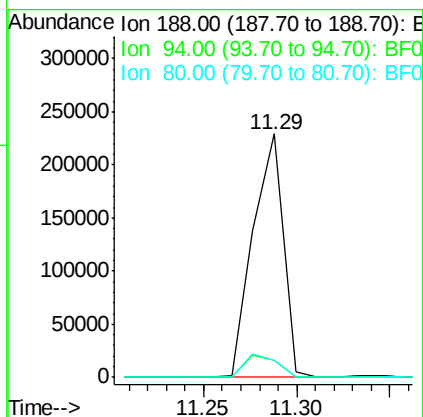
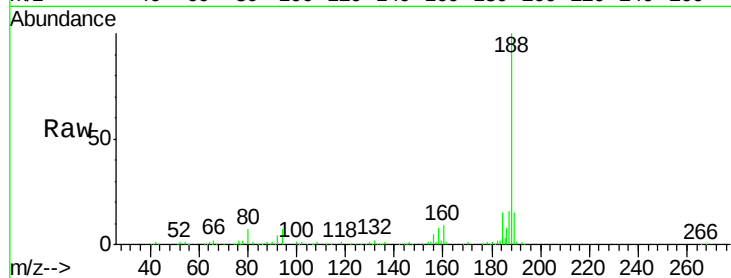




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

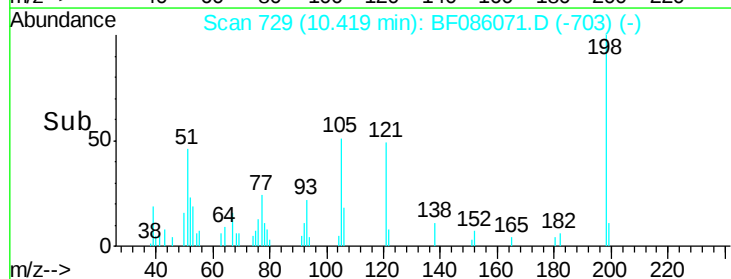
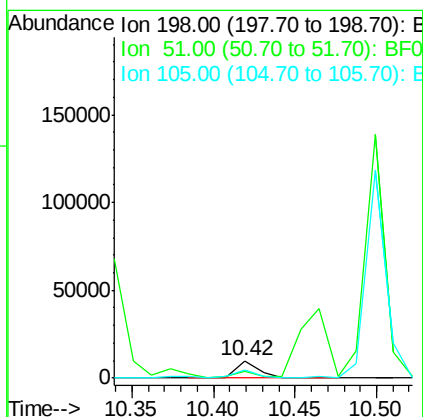
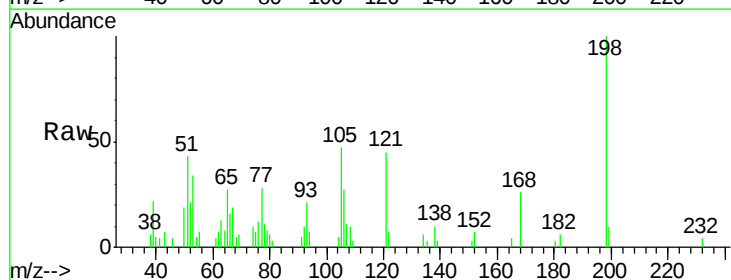
Instrument :
BNA_F
ClientSampleId :
PB89469BS

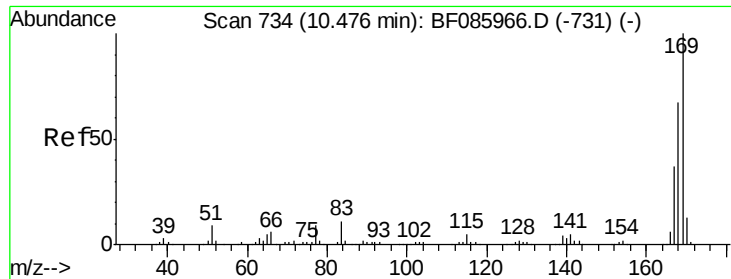
Tot Ion:188 Resp: 257443
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 6.9 5.5 8.3



#64
4,6-Dinitro-2-methylphenol
Concen: 6.26 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:198 Resp: 9769
Ion Ratio Lower Upper
198 100
51 42.8 45.4 85.4#
105 47.1 45.9 85.9

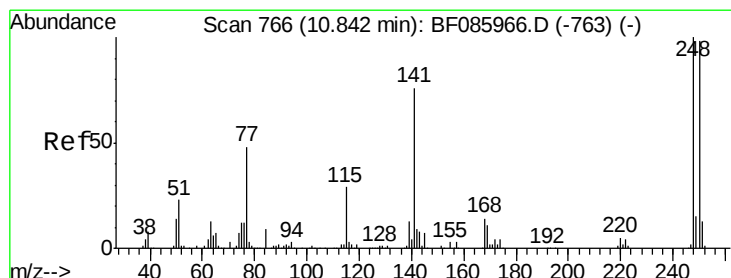
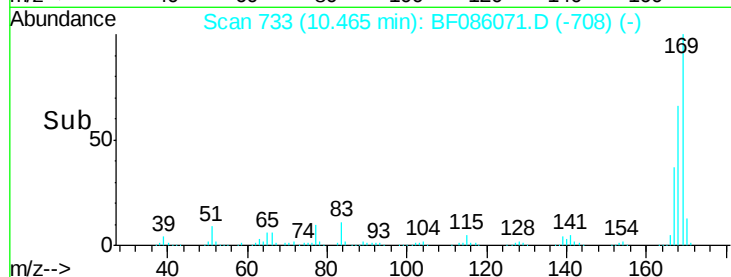
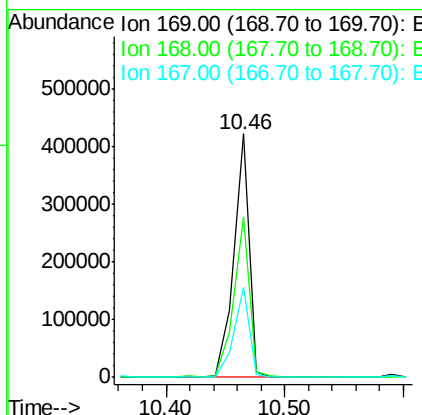
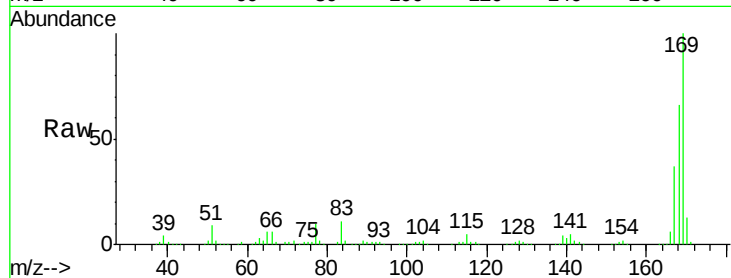




#65
 n-Nitrosodiphenylamine
 Concen: 47.19 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

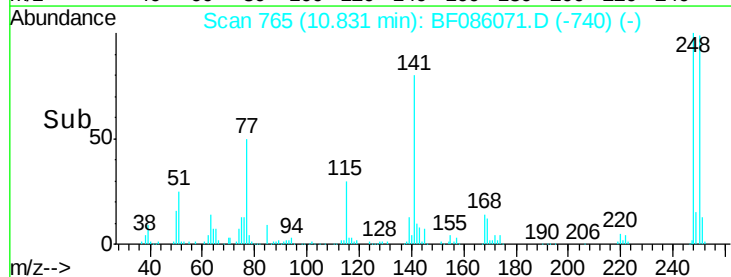
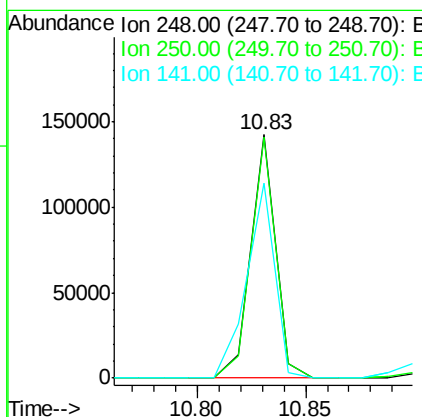
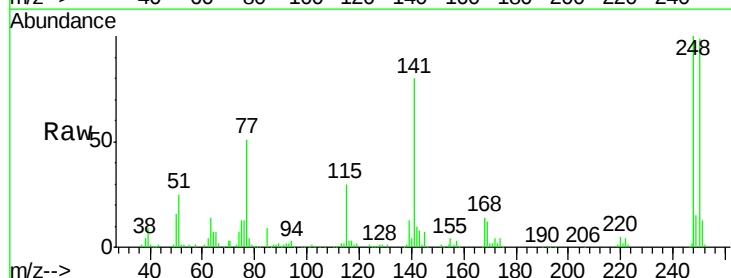
Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

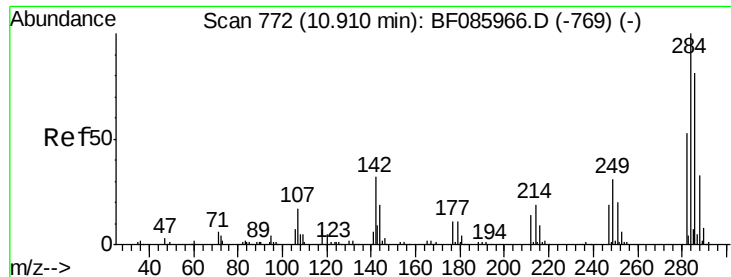
Tot Ion:169 Resp: 379922
 Ion Ratio Lower Upper
 169 100
 168 65.9 54.4 81.6
 167 36.8 29.4 44.0



#66
 4-Bromophenyl-phenylether
 Concen: 43.02 ng
 RT: 10.83 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:248 Resp: 113077
 Ion Ratio Lower Upper
 248 100
 250 99.2 77.4 116.0
 141 80.1 63.6 95.4

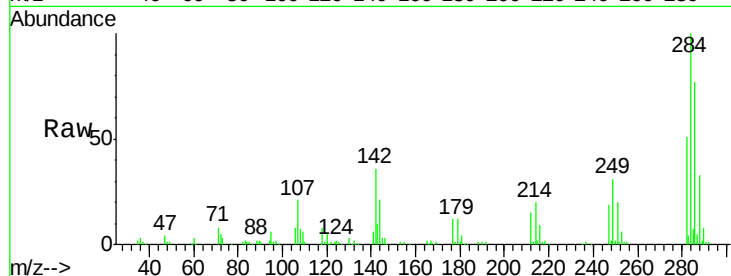




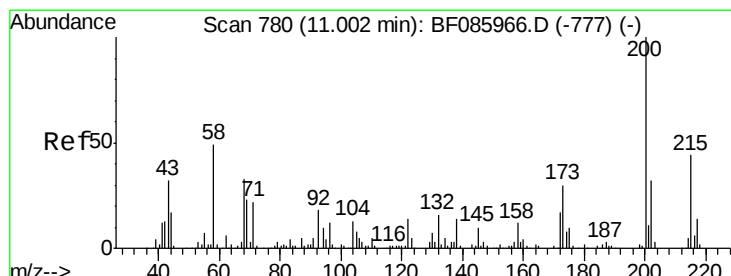
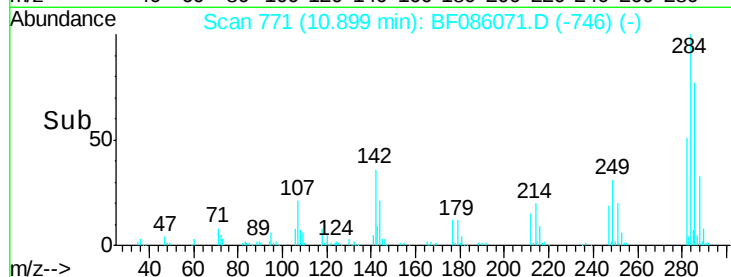
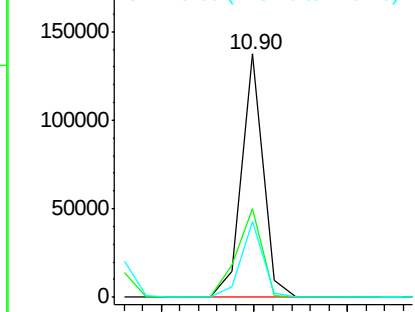
#67
Hexachlorobenzene
Concen: 40.95 ng
RT: 10.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion:284 Resp: 111289
Ion Ratio Lower Upper
284 100
142 36.3 23.1 34.7#
249 31.1 24.2 36.2

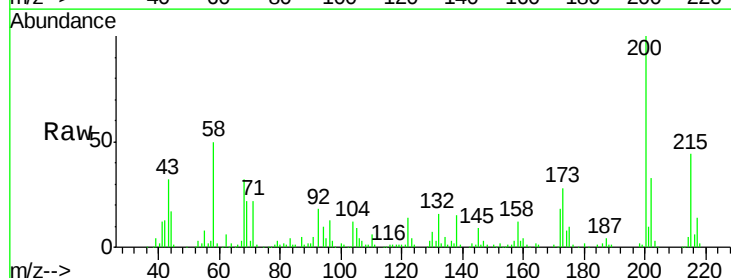


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

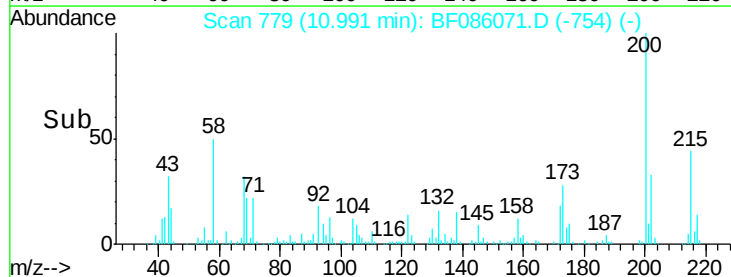
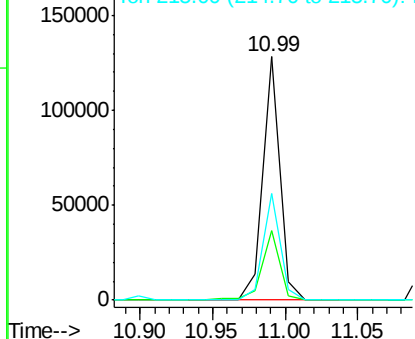


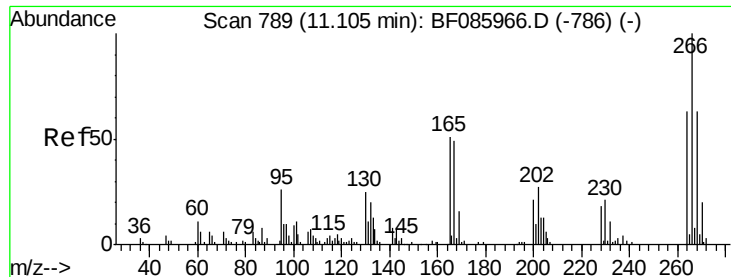
#68
Atrazine
Concen: 40.39 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:200 Resp: 105073
Ion Ratio Lower Upper
200 100
173 28.4 7.7 47.7
215 43.7 25.4 65.4



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

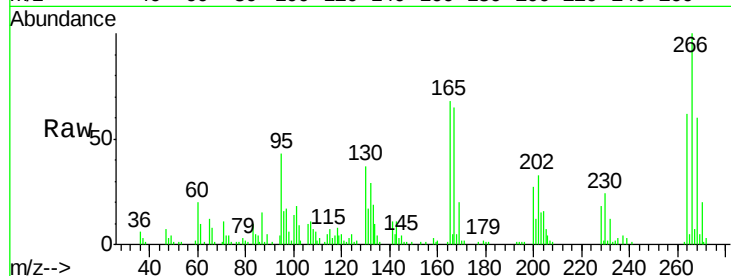




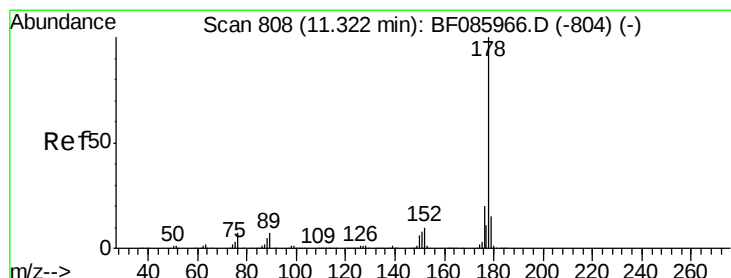
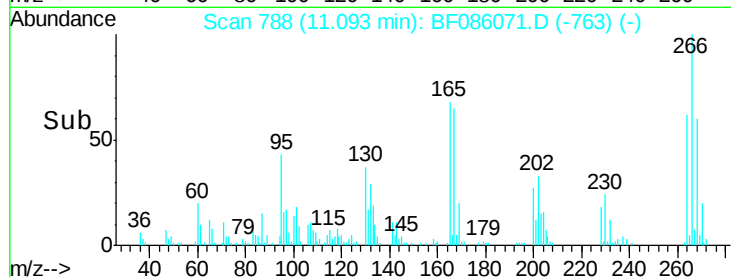
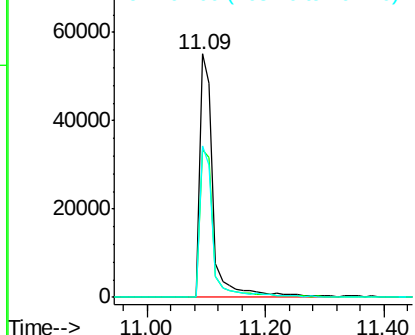
#69
 Pentachlorophenol
 Concen: 69.74 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

Tot Ion:266 Resp: 88843
 Ion Ratio Lower Upper
 266 100
 268 60.5 51.5 77.3
 264 62.2 50.6 76.0

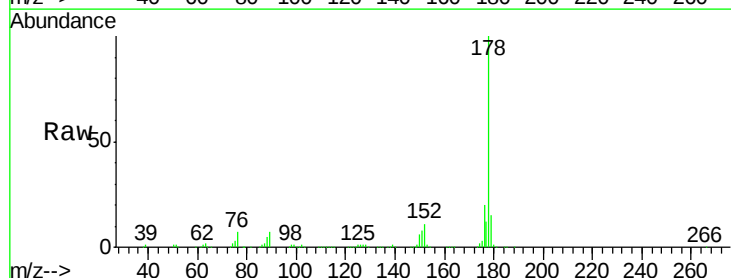


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

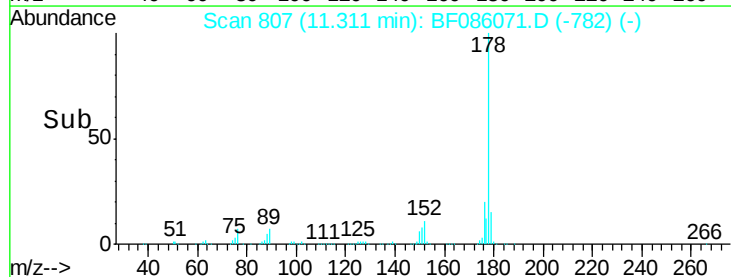
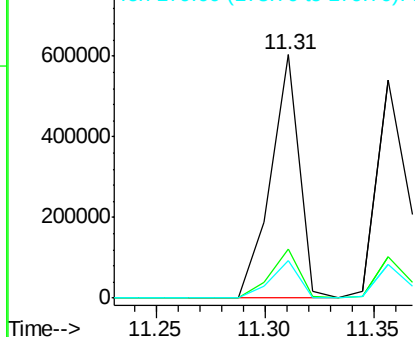


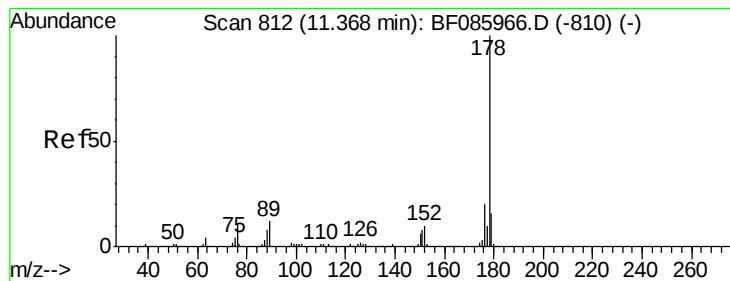
#70
 Phenanthrene
 Concen: 39.80 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:178 Resp: 558962
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.3 24.5
 179 15.3 12.6 18.8



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: 36.25 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

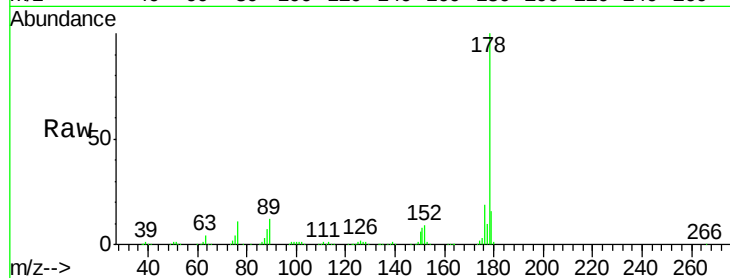
Tot Ion:178 Resp: 533350

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

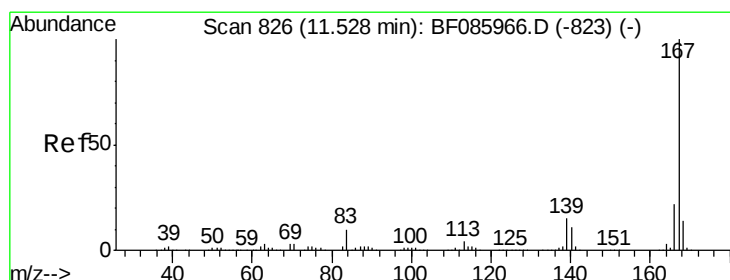
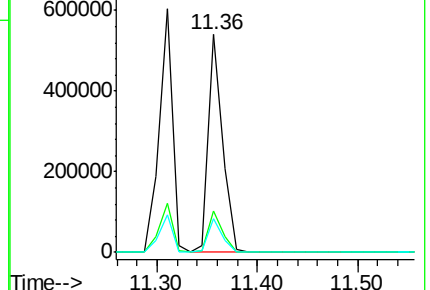
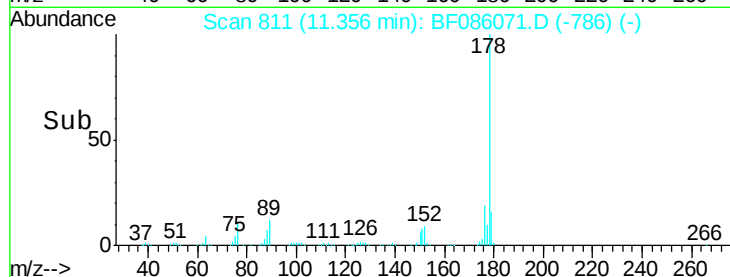
179 15.7 13.0 19.4



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: 36.22 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

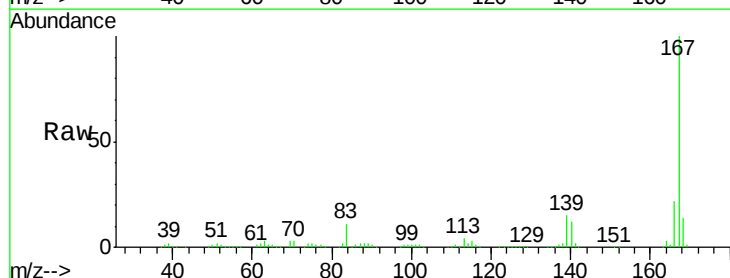
Tgt Ion:167 Resp: 458022

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.8

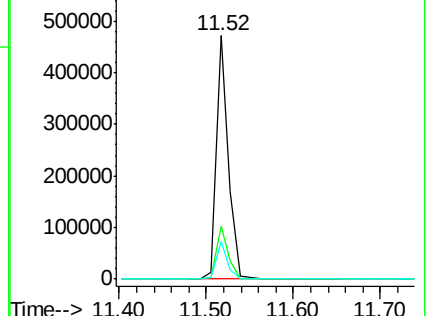
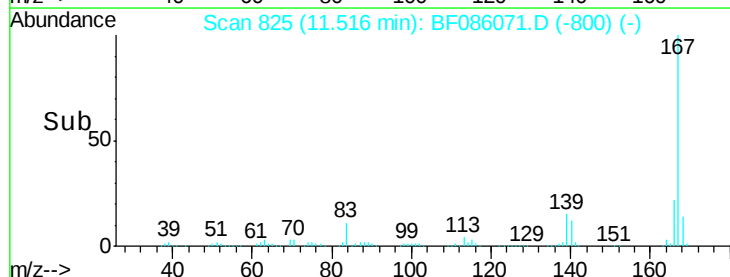
139 15.2 11.6 17.4

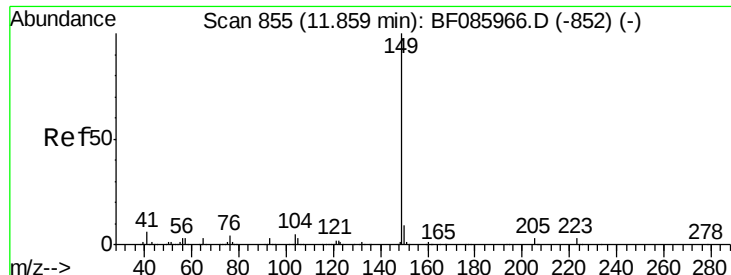


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.29 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

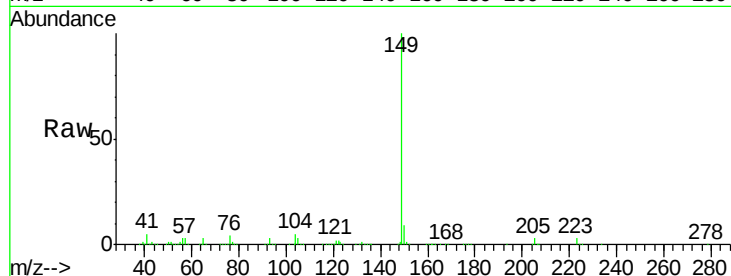
Tot Ion:149 Resp: 709650

Ion Ratio Lower Upper

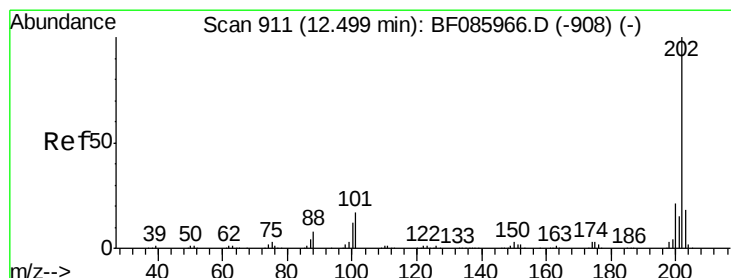
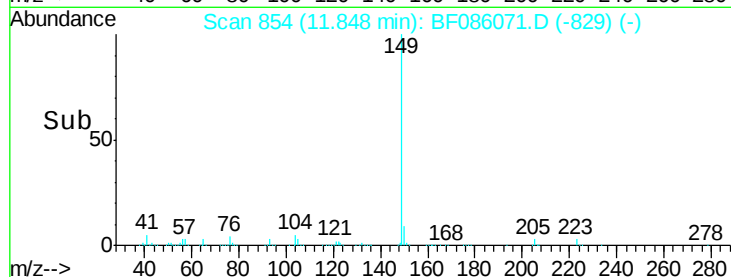
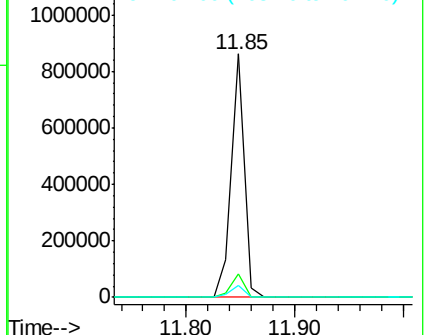
149 100

150 9.4 7.6 11.4

104 4.7 3.8 5.8



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: 33.44 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

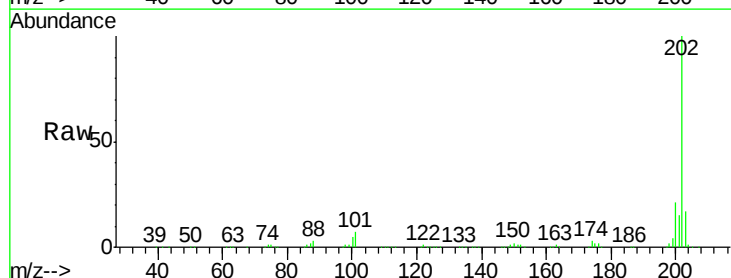
Tgt Ion:202 Resp: 488558

Ion Ratio Lower Upper

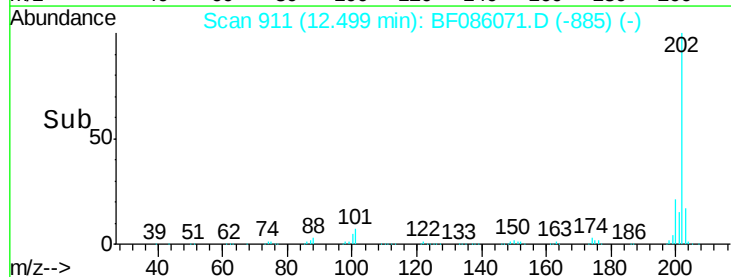
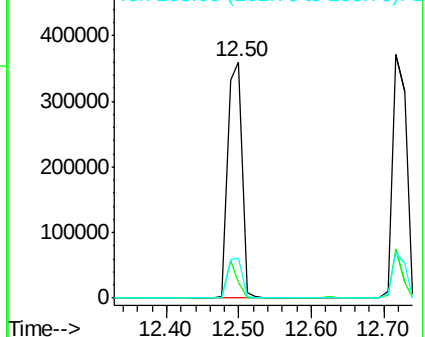
202 100

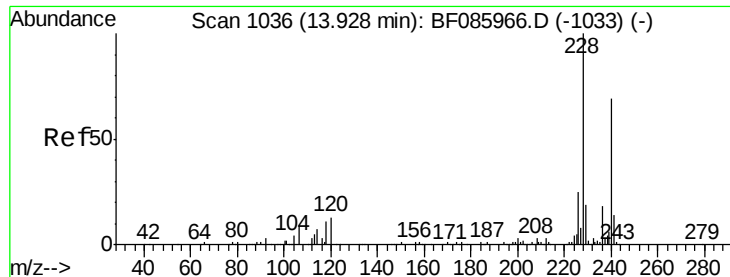
101 6.9 0.0 36.6

203 16.9 0.0 38.1



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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleID :

PB89469BS

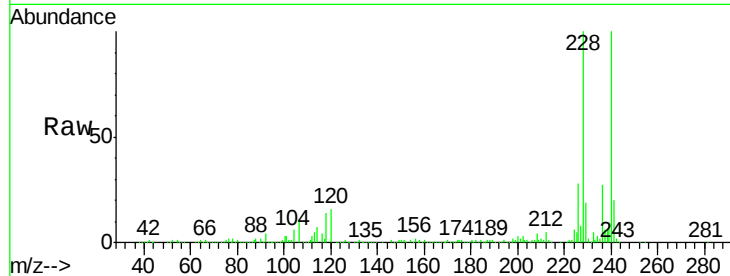
Tot Ion:240 Resp: 190801

Ion Ratio Lower Upper

240 100

120 16.0 13.8 20.8

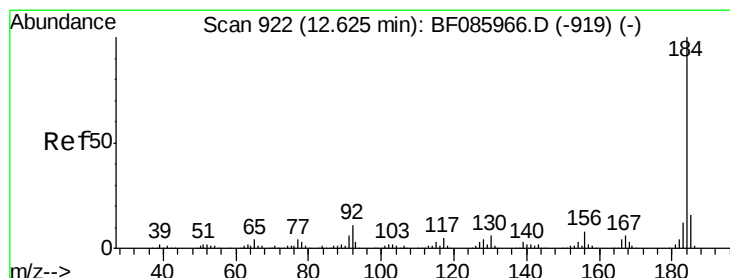
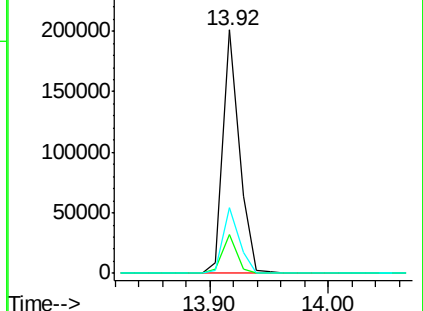
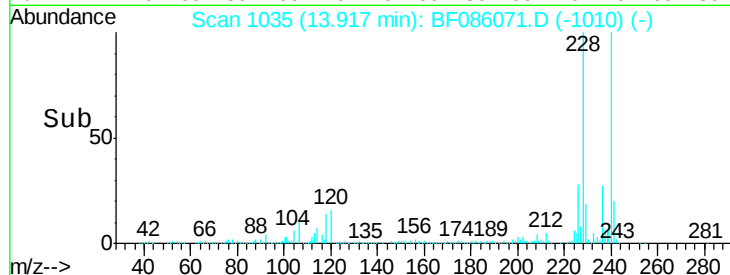
236 26.8 20.6 30.8



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: 58.73 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

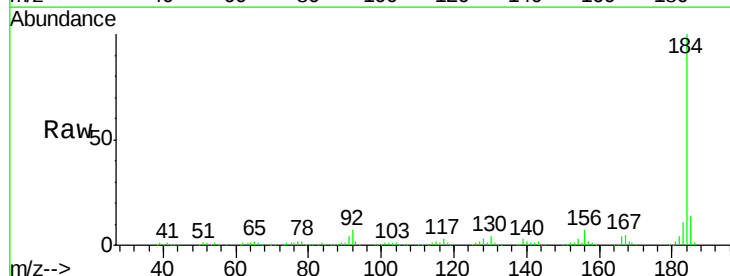
Tgt Ion:184 Resp: 395328

Ion Ratio Lower Upper

184 100

185 14.1 12.4 18.6

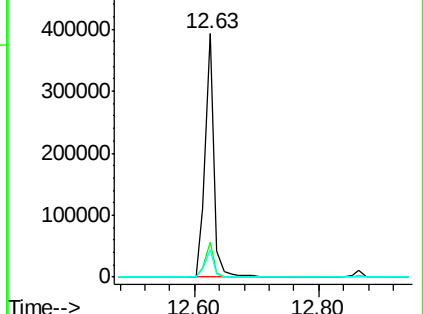
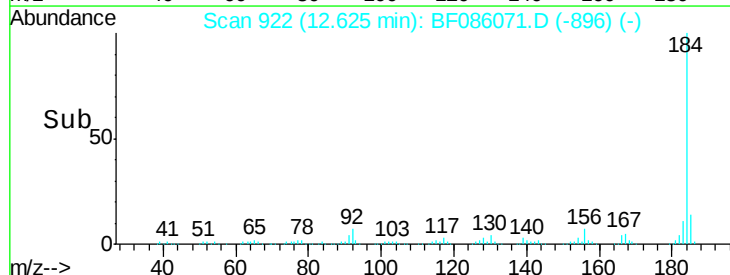
183 11.3 9.4 14.2

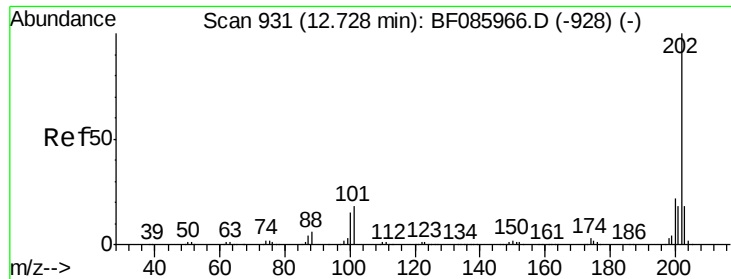


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

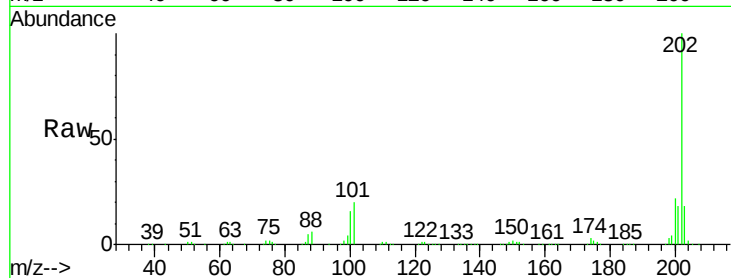




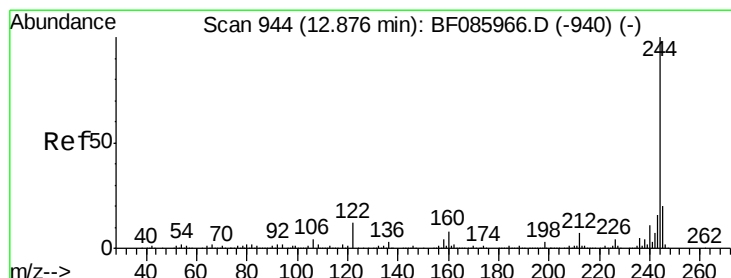
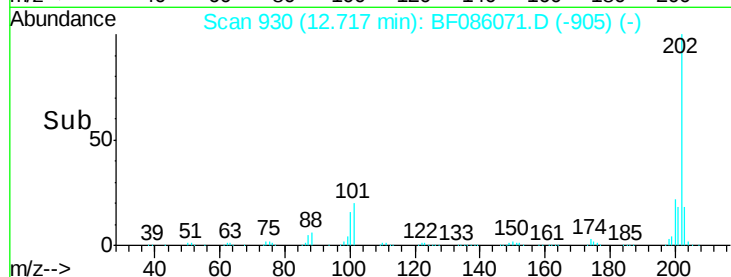
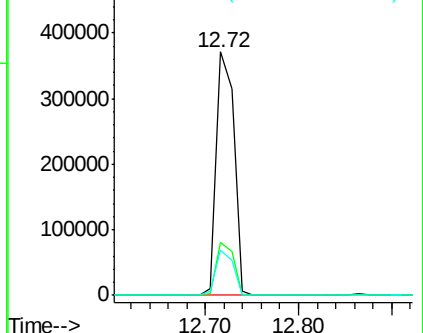
#77
Pvrene
Concen: 36.08 ng
RT: 12.72 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Instrument :
BNA_F
ClientSampleId :
PB89469BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.4	14.0	21.0

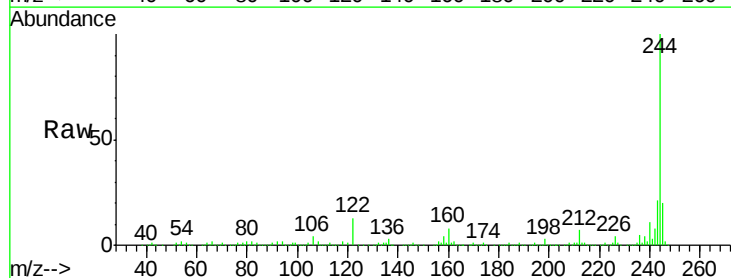


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

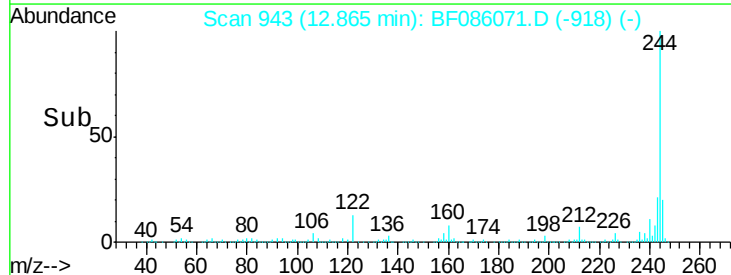
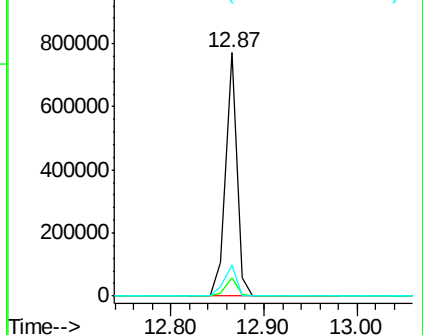


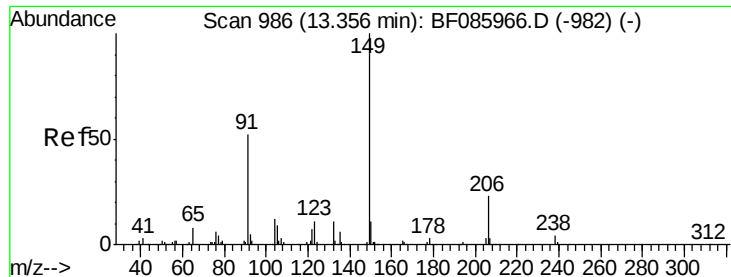
#78
Terphenyl-d14
Concen: 79.60 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.7	10.2	15.4



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: 39.47 ng

RT: 13.33 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

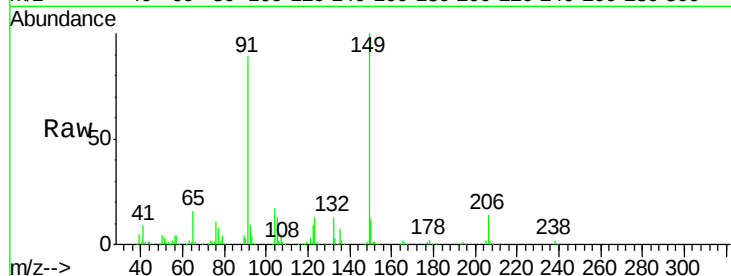
Tot Ion:149 Resp: 238942

Ion Ratio Lower Upper

149 100

91 89.1 45.8 68.8#

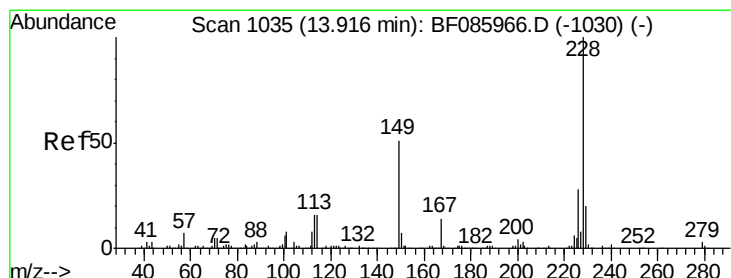
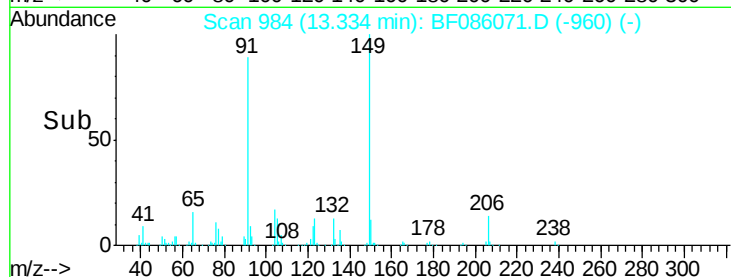
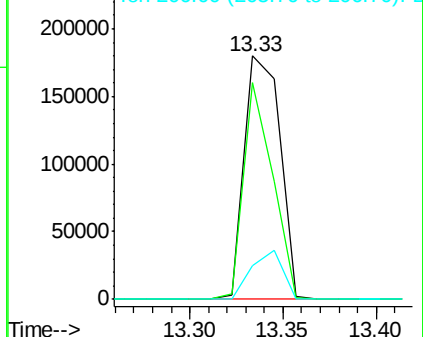
206 13.6 17.8 26.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 36.19 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

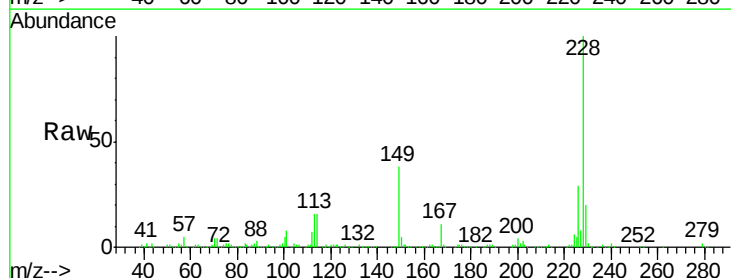
Tgt Ion:228 Resp: 407000

Ion Ratio Lower Upper

228 100

226 28.9 22.1 33.1

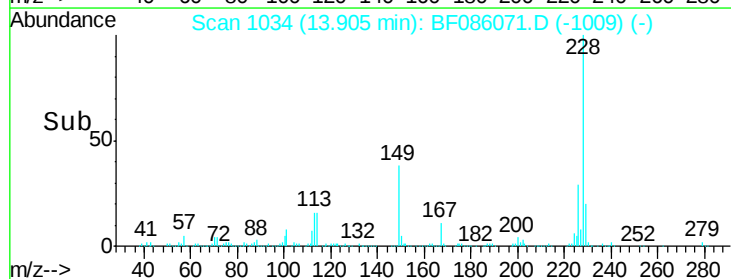
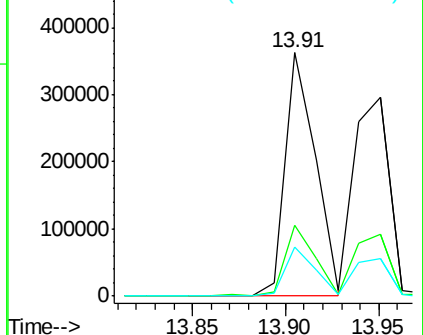
229 20.0 16.2 24.4

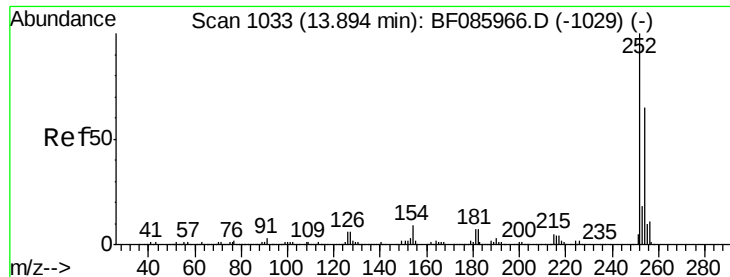


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

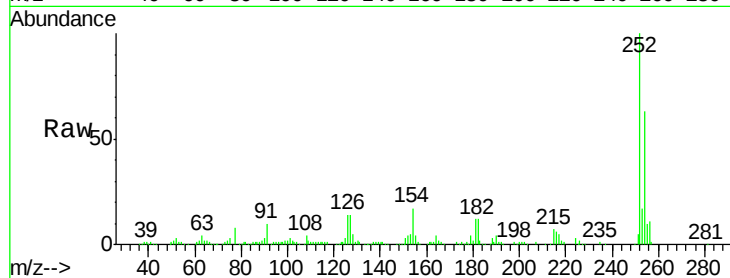




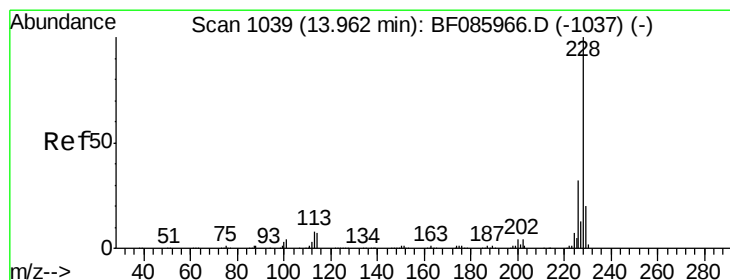
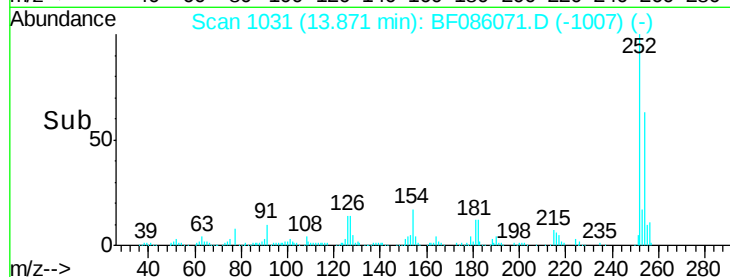
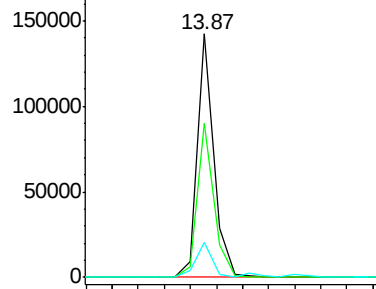
#81
 3,3'-Dichlorobenzidine
 Concen: 15.39 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

Tot Ion:252 Resp: 126434
 Ion Ratio Lower Upper
 252 100
 254 63.5 50.7 76.1
 126 14.1 11.8 17.6

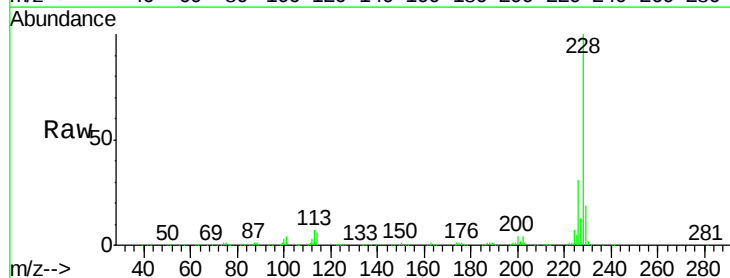


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

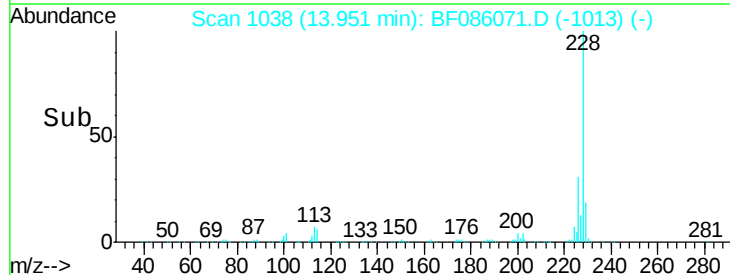
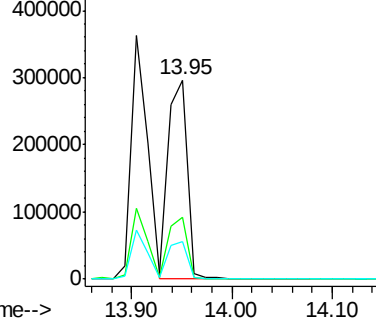


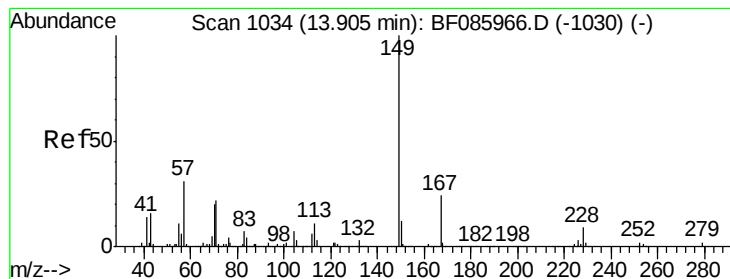
#82
 Chrysene
 Concen: 36.17 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:228 Resp: 391837
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.0 37.6
 229 19.1 15.7 23.5



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: 40.30 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

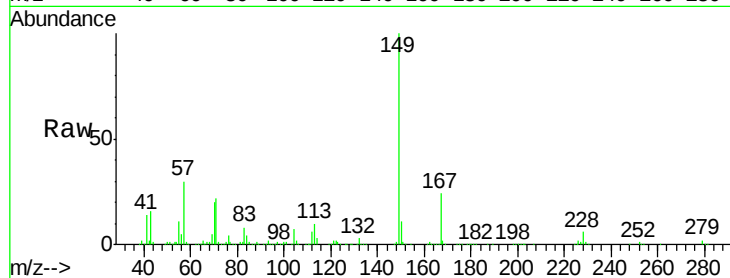
Tot Ion:149 Resp: 323803

Ion Ratio Lower Upper

149 100

167 24.3 19.4 29.2

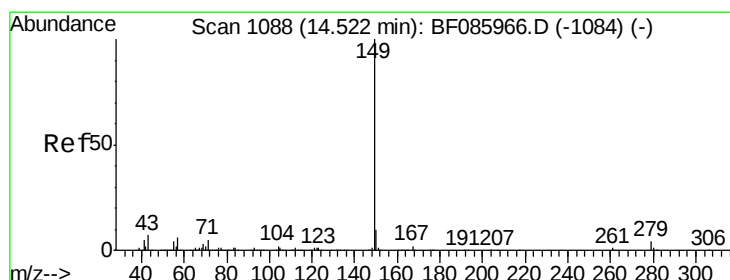
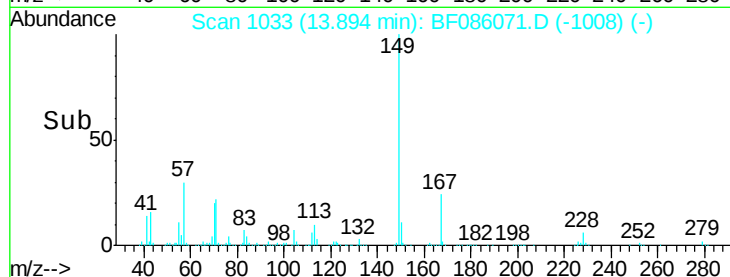
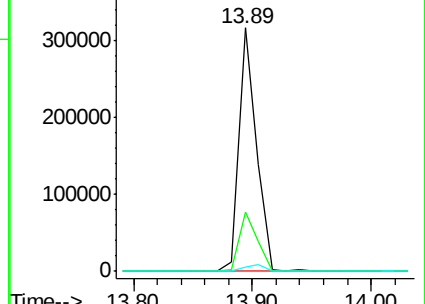
279 1.9 1.5 2.3



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: 46.19 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

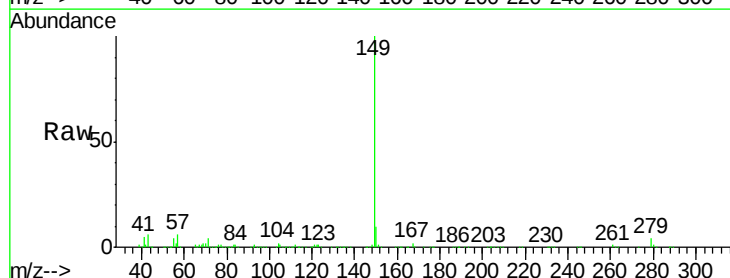
Tgt Ion:149 Resp: 592733

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

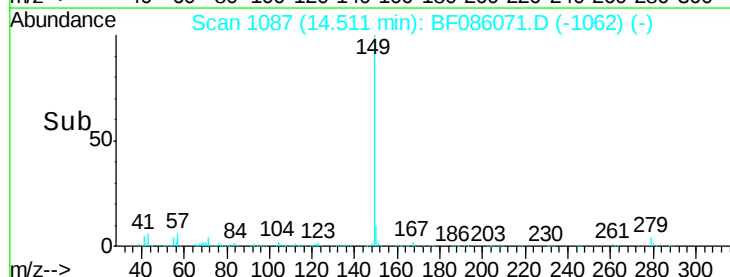
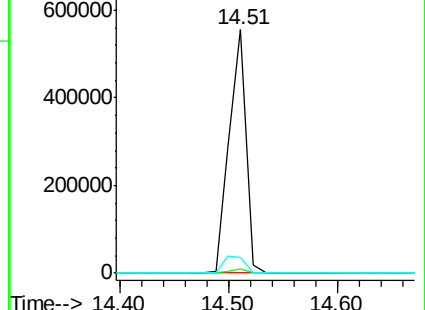
43 8.7 7.1 10.7



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

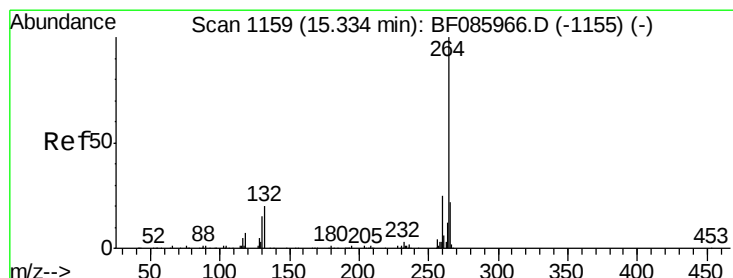
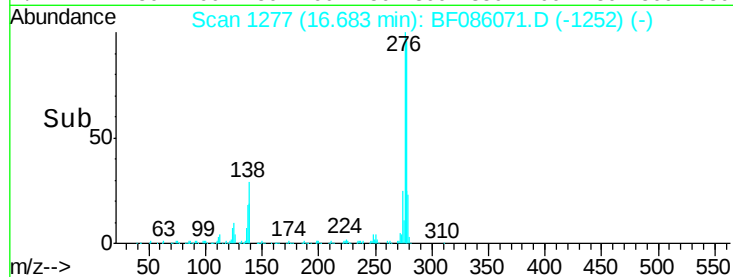
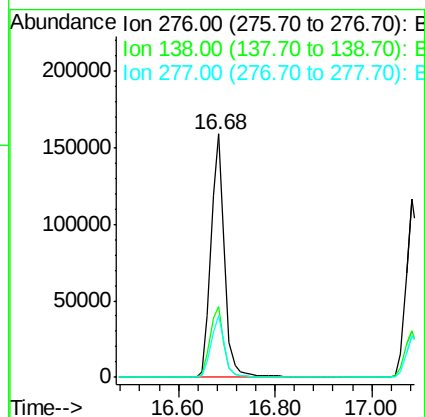
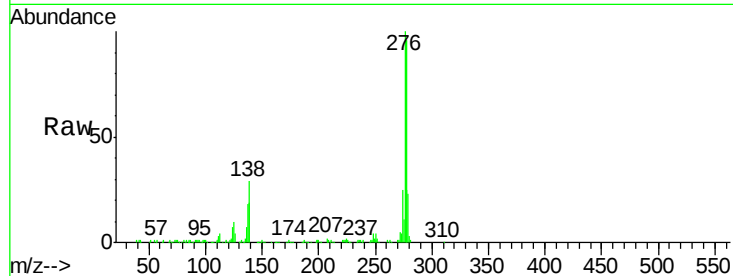




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 36.10 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

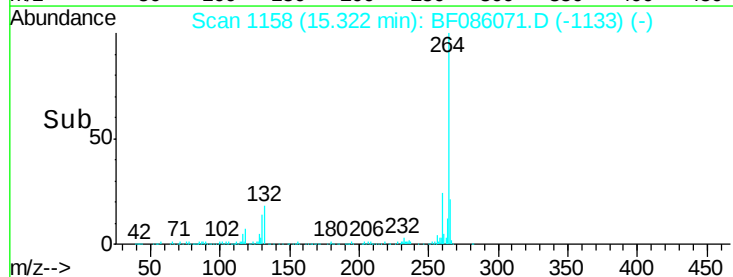
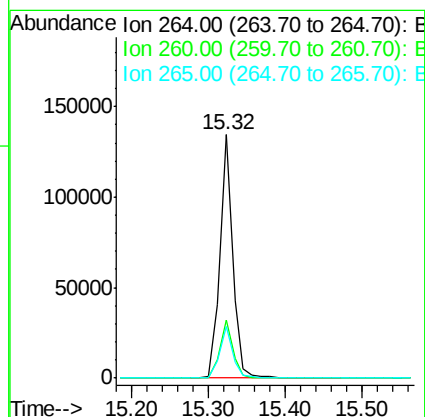
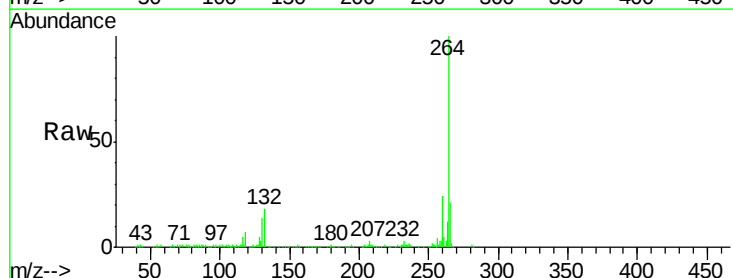
Instrument :
 BNA_F
 ClientSampleId :
 PB89469BS

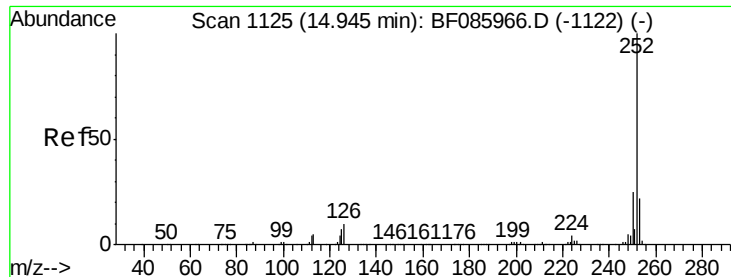
Tot Ion:276 Resp: 317274
 Ion Ratio Lower Upper
 276 100
 138 29.9 24.2 36.4
 277 25.3 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086071.D
 Acq: 5 Apr 2016 8:20

Tgt Ion:264 Resp: 157487
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.2 17.2 25.8

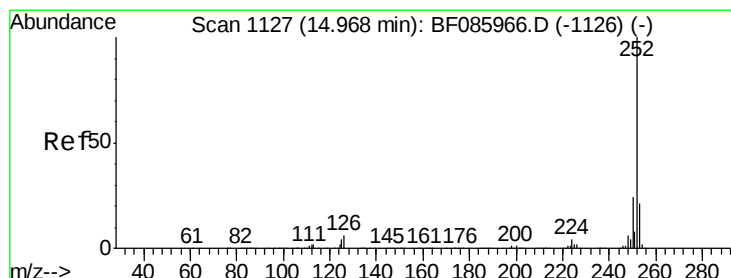
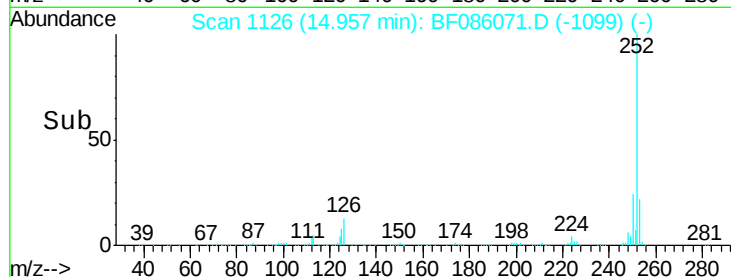
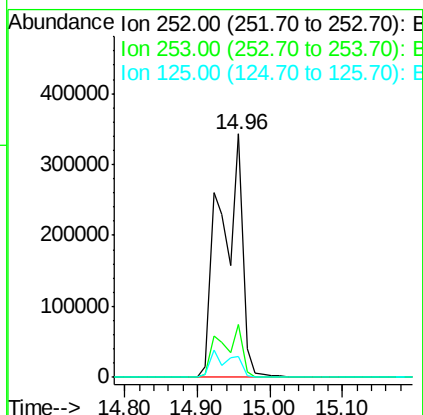
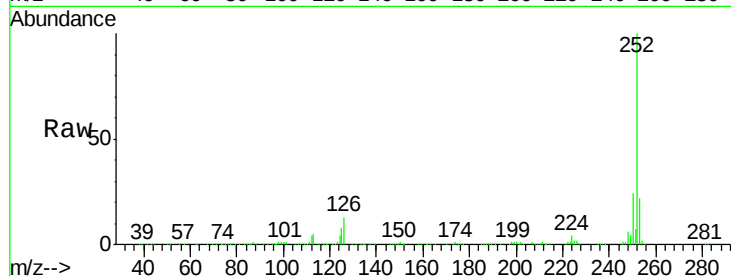




#87
Benzo(b)fluoranthene
Concen: 73.75 ng
RT: 14.96 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

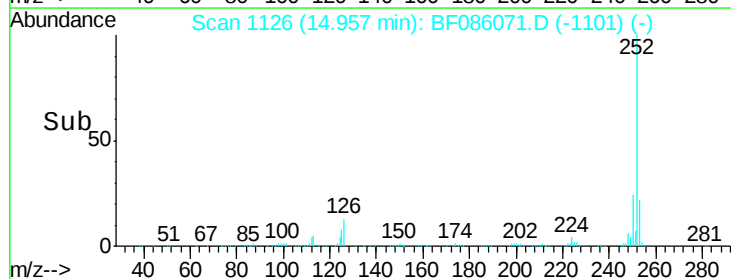
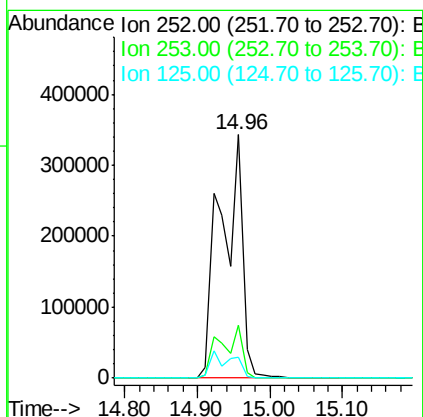
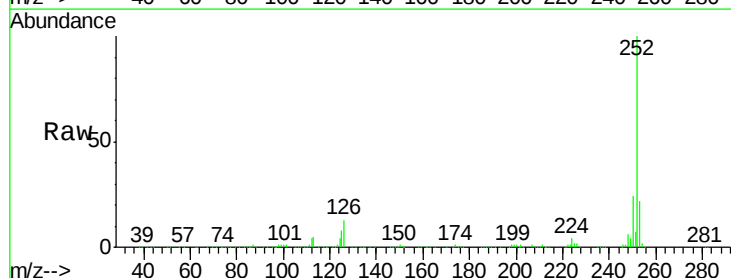
Instrument :
BNA_F
ClientSampleId :
PB89469BS

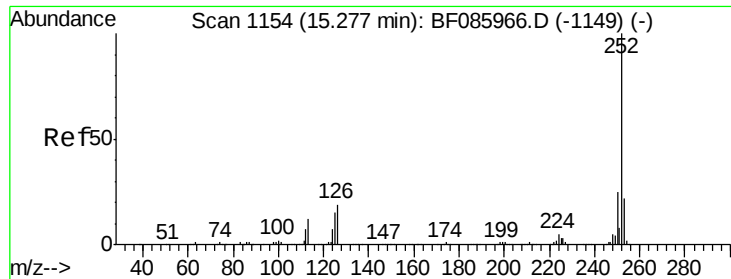
Tot Ion:252 Resp: 730627
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 8.4 10.3 15.5#



#88
Benzo(k)fluoranthene
Concen: 83.28 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086071.D
Acq: 5 Apr 2016 8:20

Tgt Ion:252 Resp: 730627
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 8.4 7.7 11.5





#89

Benzo(a)pyrene

Concen: 38.49 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

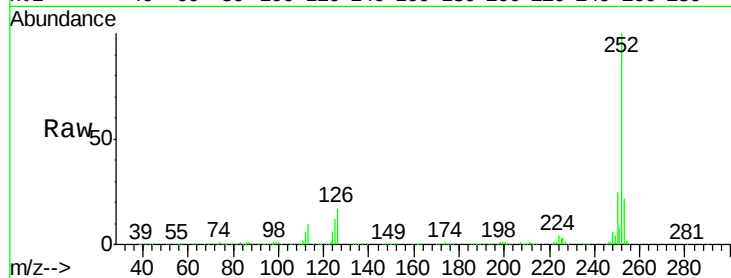
Tot Ion:252 Resp: 337815

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

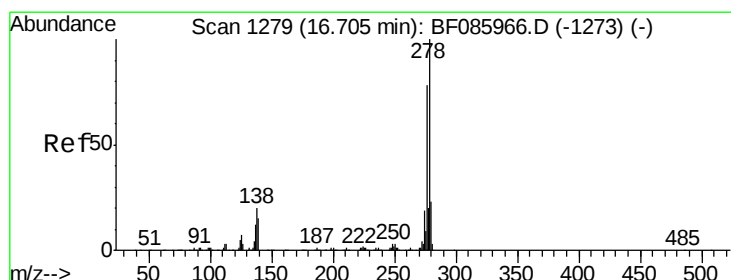
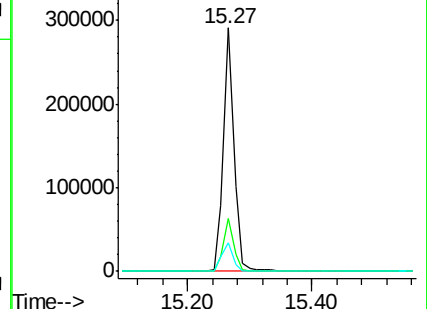
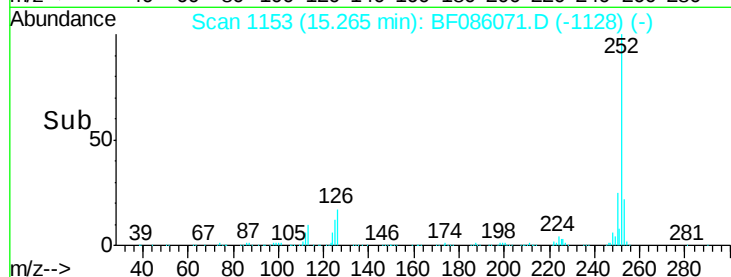
125 11.6 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 39.28 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

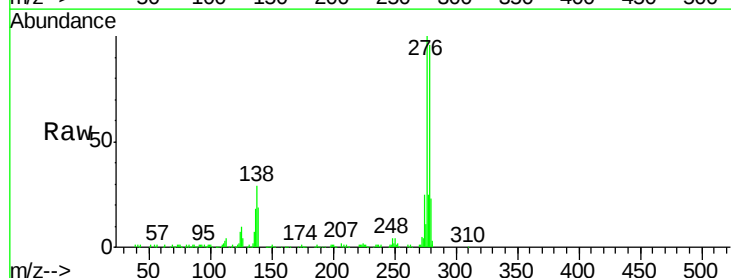
Tgt Ion:278 Resp: 277405

Ion Ratio Lower Upper

278 100

139 20.0 14.4 21.6

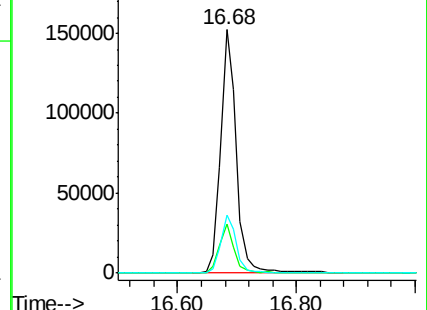
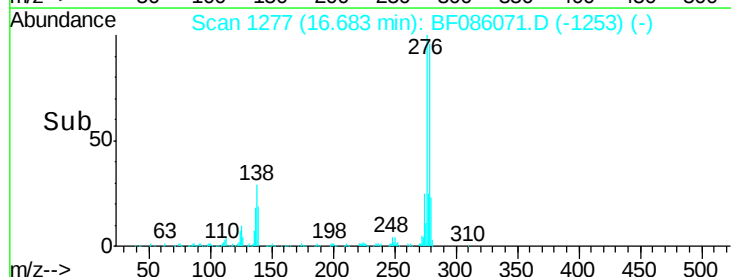
279 23.7 19.1 28.7

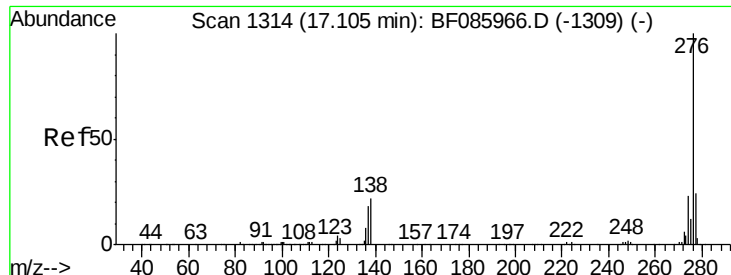


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 36.48 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF086071.D

Acq: 5 Apr 2016 8:20

Instrument :

BNA_F

ClientSampleId :

PB89469BS

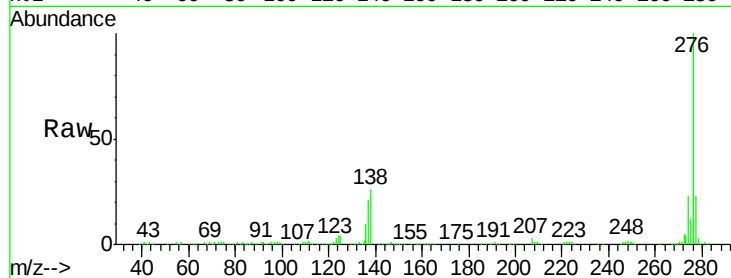
Tot Ion: 276 Resp: 249344

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 25.8 22.6 34.0



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

