

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082329.D
 Acq On : 16 Oct 2015 16:52
 Operator : UM/IZ
 Sample : G4051-03MSD 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Quant Time: Oct 17 01:13:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.04	152	20159	20.00	ng	0.21
21) Naphthalene-d8	8.17	136	229217	20.00	ng	0.05
38) Acenaphthene-d10	9.92	164	117792	20.00	ng	0.03
63) Phenanthrene-d10	11.42	188	258375	20.00	ng	0.05
75) Chrysene-d12	14.14	240	258150	20.00	ng	0.07
86) Perylene-d12	15.73	264	229036	20.00	ng	0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	30755	30.79	ng	0.06
7) Phenol-d6	6.53	99	42985	33.07	ng	0.05
23) Nitrobenzene-d5	7.45	82	26614	7.80	ng	0.03
41) 2,4,6-Tribromophenol	10.72	330	16674	15.09	ng	0.03
44) 2-Fluorobiphenyl	9.25	172	68369	9.63	ng	0.03
78) Terphenyl-d14	13.01	244	88413	9.08	ng	0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.45	88	4844	9.65	ng	# 61
3) Pyridine	3.31	79	7549	6.47	ng	# 84
4) n-Nitrosodimethylamine	3.23	42	2327	4.70	ng	# 74
6) Aniline	6.62	93	10979	6.55	ng	# 53
8) 2-Chlorophenol	6.67	128	11049	9.06	ng	92
9) Benzaldehyde	6.45	77	4226	6.37	ng	93
10) Phenol	6.54	94	13646	9.11	ng	92
11) bis(2-Chloroethyl)ether	6.62	93	10979	8.66	ng	91
12) 1,3-Dichlorobenzene	6.90	146	14067	9.91	ng	96
13) 1,4-Dichlorobenzene	7.05	146	13356	9.01	ng	94
14) 1,2-Dichlorobenzene	7.05	146	13356	9.48	ng	98
15) Benzyl Alcohol	7.03	79	8546	9.52	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.17	45	18643	10.56	ng	95
17) 2-Methylphenol	7.31	107	12807	13.28	ng	# 78
18) Hexachloroethane	7.39	117	4626	9.11	ng	96
19) n-Nitroso-di-n-propylamine	7.45	70	2668	2.92	ng	# 81
22) Acetophenone	7.30	105	15378	3.39	ng	# 92
24) Nitrobenzene	7.47	77	12447	3.37	ng	95
25) Isophorone	7.70	82	25192	3.66	ng	98
26) 2-Nitrophenol	7.79	139	5265	2.85	ng	99
27) 2,4-Dimethylphenol	7.83	122	10650	3.58	ng	94
28) bis(2-Chloroethoxy)methane	7.92	93	13086	3.26	ng	98
29) 2,4-Dichlorophenol	8.05	162	9271	3.12	ng	98
30) 1,2,4-Trichlorobenzene	8.11	180	12893	3.76	ng	95
31) Naphthalene	8.19	128	44579	4.49	ng	99
32) Benzoic acid	7.83	122	10650	5.34	ng	# 17
34) Hexachlorobutadiene	8.31	225	7314	3.43	ng	97
35) Caprolactam	8.57	113	3216	3.73	ng	# 61
36) 4-Chloro-3-methylphenol	8.73	107	11311	3.89	ng	89
37) 2-Methylnaphthalene	8.88	142	26890	3.90	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	12692	3.62	ng	96
40) Hexachlorocyclopentadiene	9.03	237	331	8.47	ng	# 28
42) 2,4,6-Trichlorophenol	9.17	196	8869	3.81	ng	99
43) 2,4,5-Trichlorophenol	9.21	196	9643	3.83	ng	97

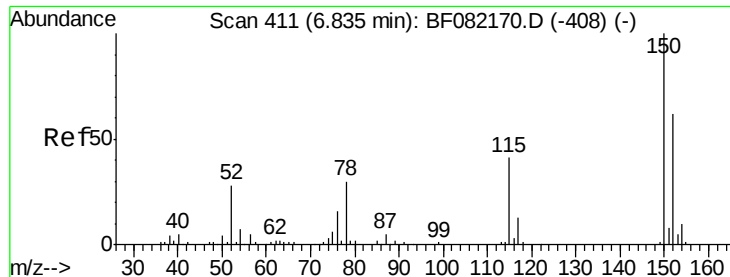
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082329.D
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 Operator : UM/IZ
 Sample : G4051-03MSD 10X
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.35	154	34946	3.89	nq	95
46) 2-Chloronaphthalene	9.37	162	27138	3.84	nq	95
47) 2-Nitroaniline	9.47	65	6810	3.51	nq	92
48) Acenaphthylene	9.78	152	59330	5.39	nq	98
49) Dimethylphthalate	9.65	163	42996	5.18	nq	# 98
50) 2,6-Dinitrotoluene	9.71	165	5947	3.40	nq	88
51) Acenaphthene	9.95	154	32882	4.97	nq	95
52) 3-Nitroaniline	9.90	138	4591	2.32	nq	# 89
54) Dibenzofuran	10.13	168	45828	5.05	nq	96
55) 4-Nitrophenol	10.13	139	26400	26.02	nq	# 20
56) 2,4-Dinitrotoluene	10.11	165	8097	3.70	nq	# 90
57) Fluorene	10.47	166	39746	5.33	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.25	232	8540	4.15	nq	# 96
59) Diethylphthalate	10.34	149	34072	4.41	nq	99
60) 4-Chlorophenyl-phenylether	10.47	204	14070	4.12	nq	# 84
61) 4-Nitroaniline	10.51	138	5822	3.04	nq	87
62) Azobenzene	10.63	77	30352	4.01	nq	# 79
65) n-Nitrosodiphenylamine	10.58	169	30615	3.96	nq	99
66) 4-Bromophenyl-phenylether	10.96	248	8353	3.23	nq	# 82
67) Hexachlorobenzene	11.02	284	11197	4.00	nq	# 80
68) Atrazine	11.11	200	10589	4.32	nq	98
69) Pentachlorophenol	11.22	266	8306	5.77	nq	96
70) Phenanthrene	11.44	178	204930	16.18	nq	97
71) Anthracene	11.49	178	94849	7.27	nq	100
72) Carbazole	11.65	167	66174	5.56	nq	99
73) Di-n-butylphthalate	11.97	149	58249	3.97	nq	99
74) Fluoranthene	12.63	202	303893	22.34	nq	100
77) Pvrene	12.86	202	278389	18.17	nq	98
79) Butylbenzylphthalate	13.51	149	25664	3.67	nq	94
80) Benzo(a)anthracene	14.13	228	164774	12.27	nq	98
81) 3,3'-Dichlorobenzidine	14.09	252	11051	2.17	nq	96
82) Chrysene	14.17	228	140960	9.96	nq	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	72669	7.29	nq	# 99
84) Di-n-octyl phthalate	14.82	149	59926	3.50	nq	98
87) Benzo(b)fluoranthene	15.29	252	251863	18.07	nq	99
88) Benzo(k)fluoranthene	15.29	252	251863	21.50	nq	99
89) Benzo(a)pyrene	15.66	252	123704	10.33	nq	99
90) Dibenzo(a,h)anthracene	17.21	278	45796	4.67	nq	95
91) Benzo(g,h,i)perylene	17.65	276	90381	9.48	nq	97

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

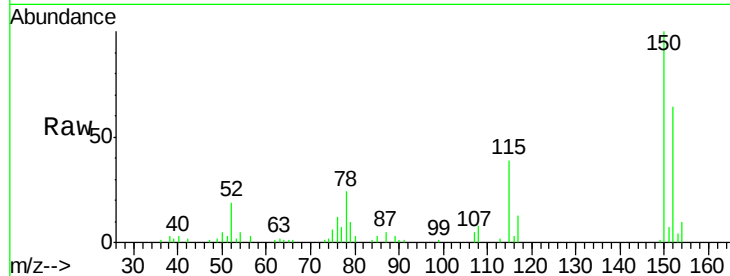


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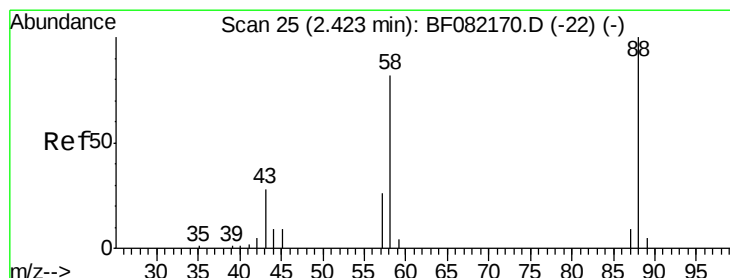
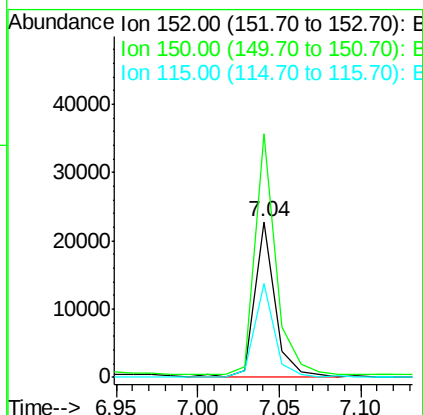
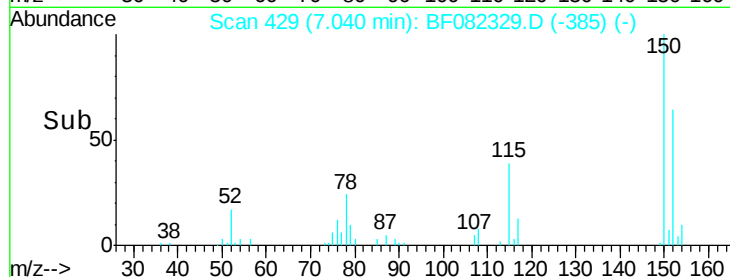
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.04 min Scan# 429
 Delta R.T. 0.21 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:152 Resp: 20159
 Ion Ratio Lower Upper
 152 100
 150 156.1 129.0 193.4
 115 60.6 52.1 78.1



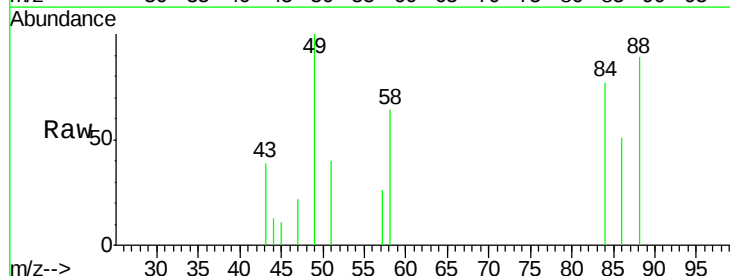
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



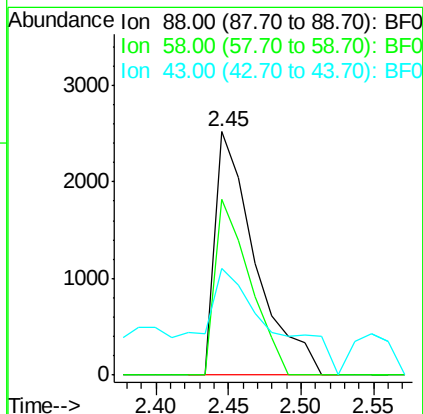
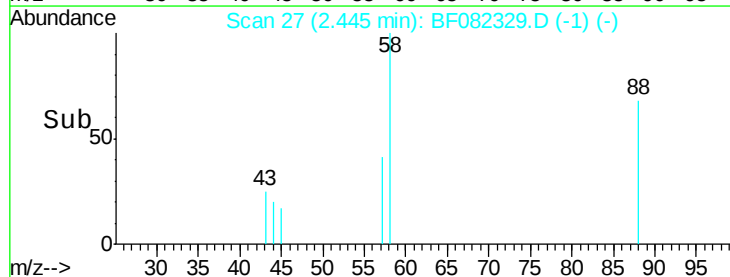
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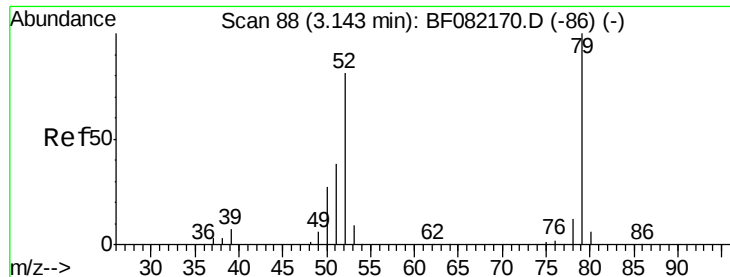
1,4-Dioxane
 Concen: 9.65 ng
 RT: 2.45 min Scan# 27
 Delta R.T. 0.09 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion: 88 Resp: 4844
 Ion Ratio Lower Upper
 88 100
 58 62.3 66.2 99.4#
 43 73.7 23.0 34.4#



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

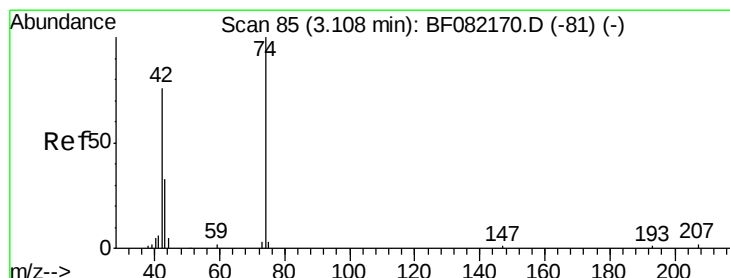
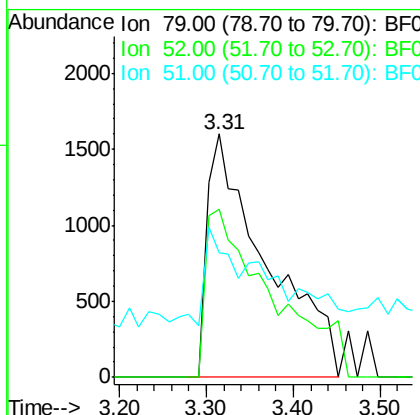
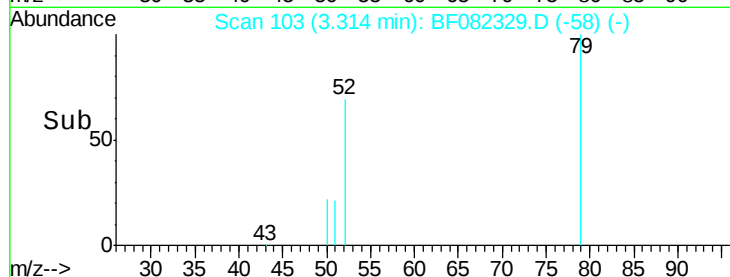
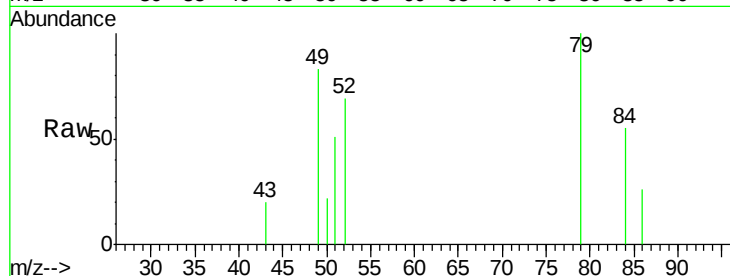




#3
 Pvridine
 Concen: 6.47 ng
 RT: 3.31 min Scan# 103
 Delta R.T. 0.22 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

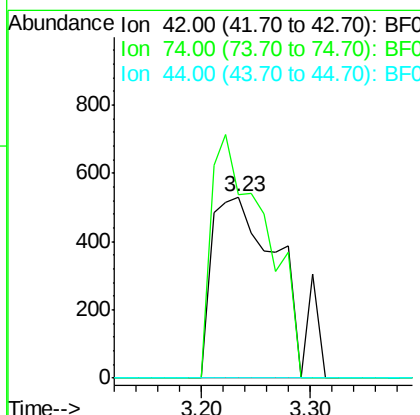
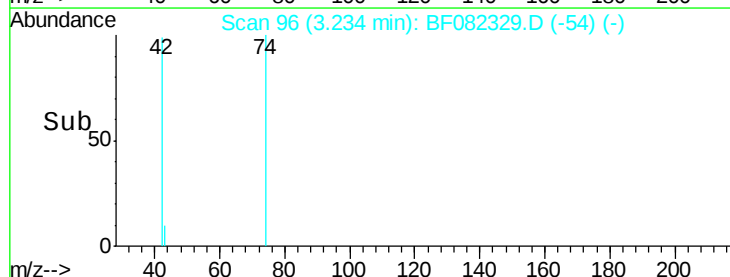
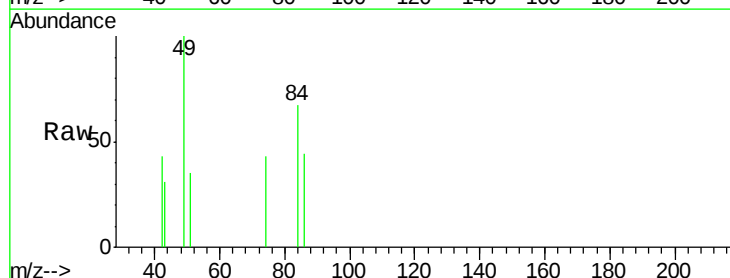
Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion: 79 Resp: 7549
 Ion Ratio Lower Upper
 79 100
 52 69.1 64.4 96.6
 51 51.3 30.5 45.7#



#4
 n-Nitrosodimethylamine
 Concen: 4.70 ng
 RT: 3.23 min Scan# 96
 Delta R.T. 0.18 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion: 42 Resp: 2327
 Ion Ratio Lower Upper
 42 100
 74 101.1 105.7 158.5#
 44 0.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 30.79 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.06 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

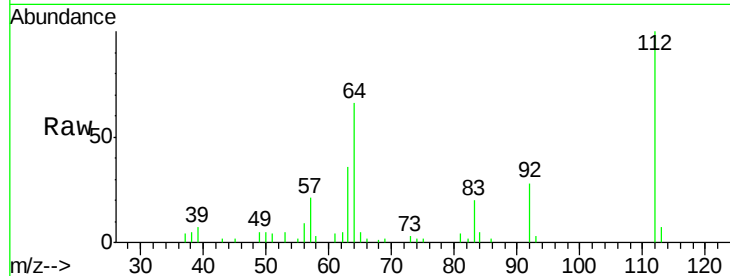
Tot Ion:112 Resp: 30755

Ion Ratio Lower Upper

112 100

64 66.1 48.6 73.0

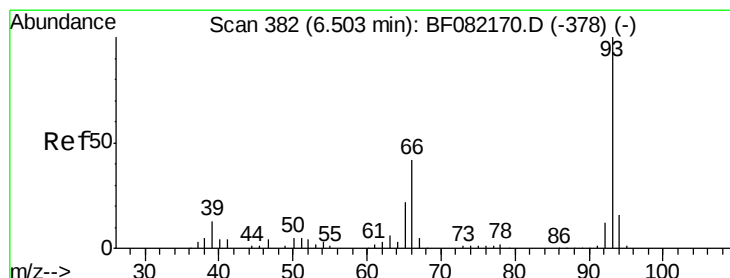
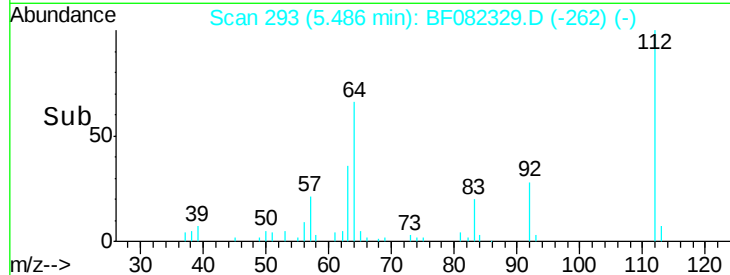
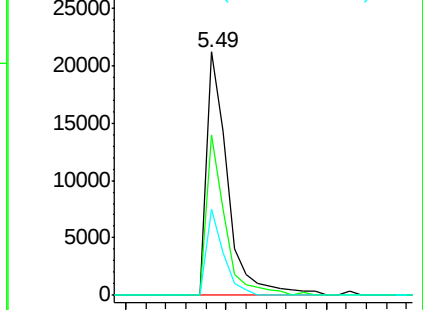
63 35.6 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.55 ng

RT: 6.62 min Scan# 392

Delta R.T. 0.11 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

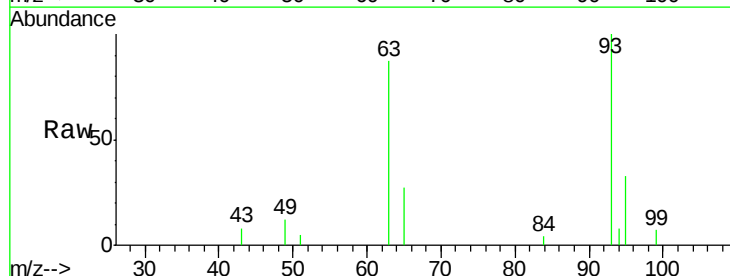
Tgt Ion: 93 Resp: 10979

Ion Ratio Lower Upper

93 100

66 0.0 34.2 51.2#

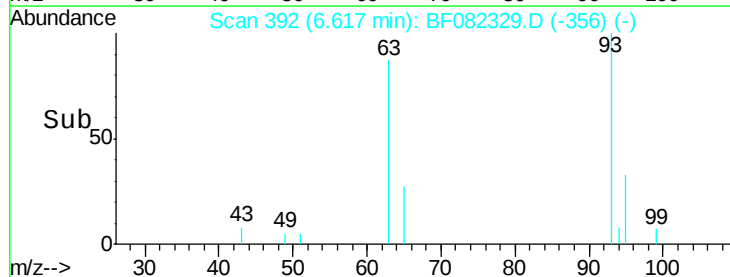
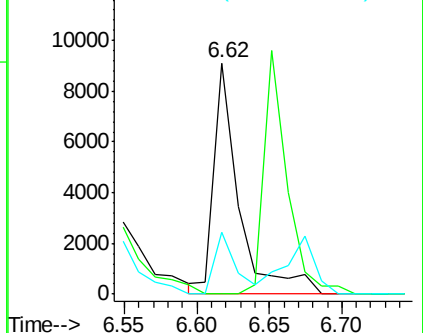
65 26.8 17.9 26.9



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: 33.07 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

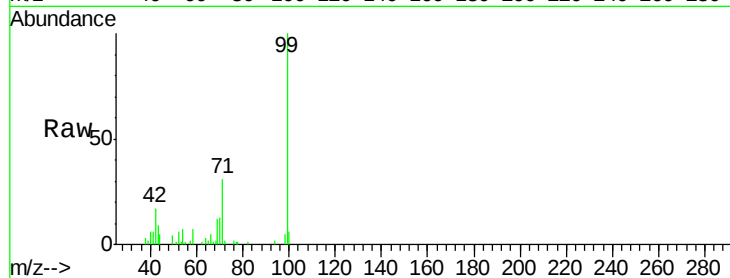
Tot Ion: 99 Resp: 42985

Ion Ratio Lower Upper

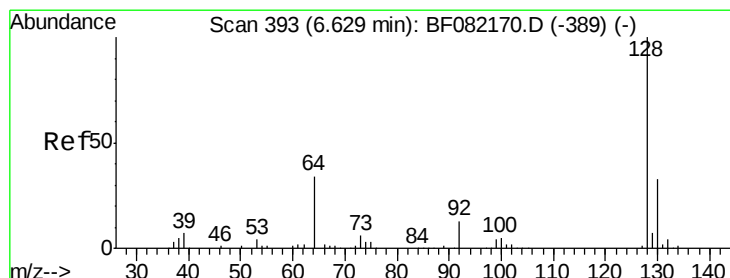
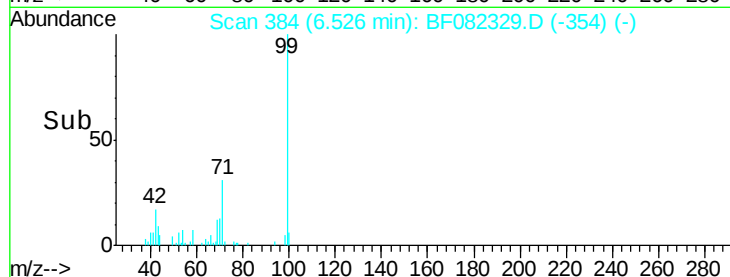
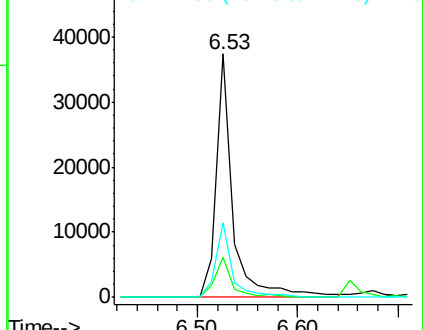
99 100

42 16.7 13.2 19.8

71 30.8 25.6 38.4



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: 9.06 ng

RT: 6.67 min Scan# 397

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

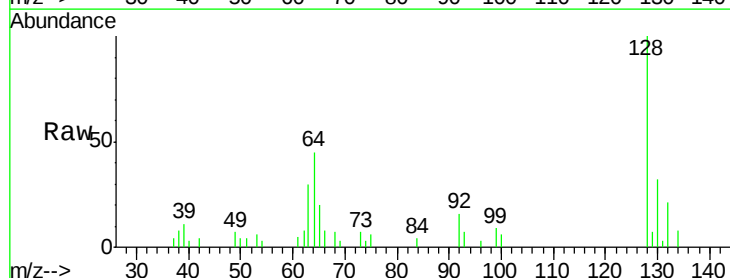
Tgt Ion: 128 Resp: 11049

Ion Ratio Lower Upper

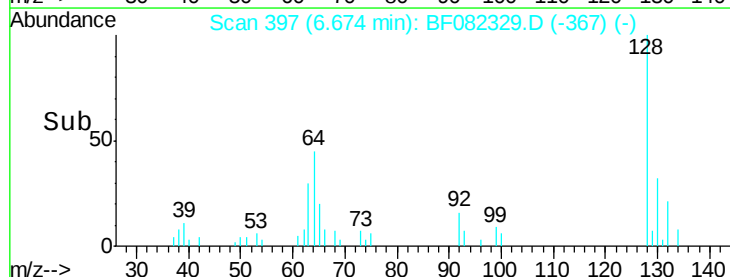
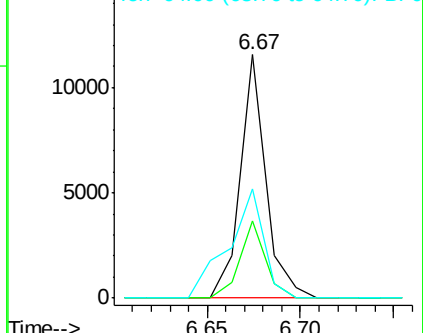
128 100

130 31.6 12.6 52.6

64 44.6 16.7 56.7



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: 6.37 ng

RT: 6.45 min Scan# 377

Delta R.T. 0.06 min

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TK1-1-20151015MSD

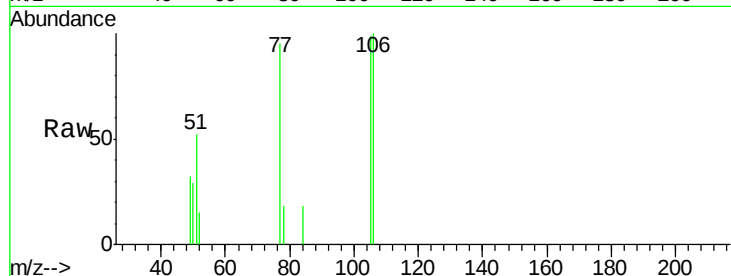
Tot Ion: 77 Resp: 4226

Ion Ratio Lower Upper

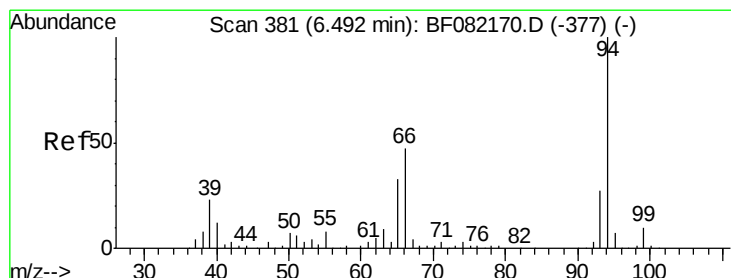
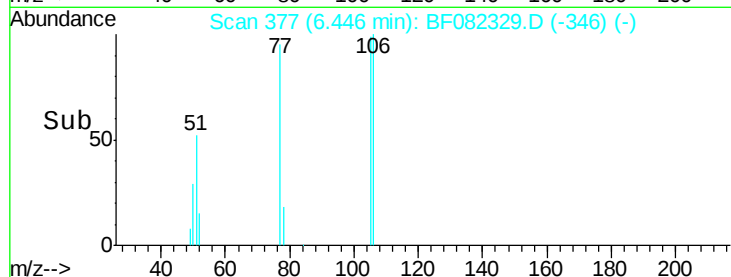
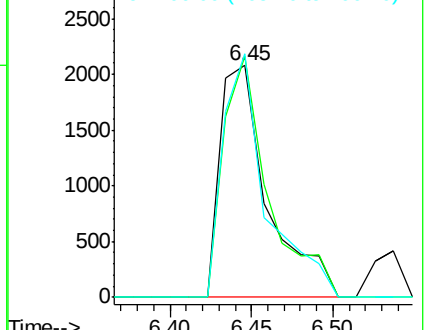
77 100

105 104.0 80.6 120.6

106 105.1 75.5 115.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 9.11 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

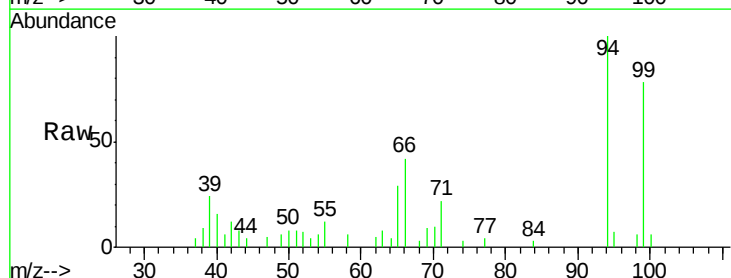
Tgt Ion: 94 Resp: 13646

Ion Ratio Lower Upper

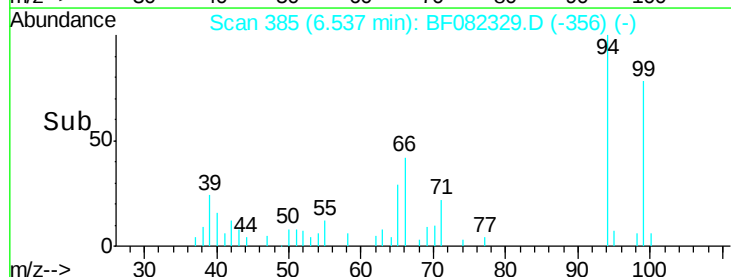
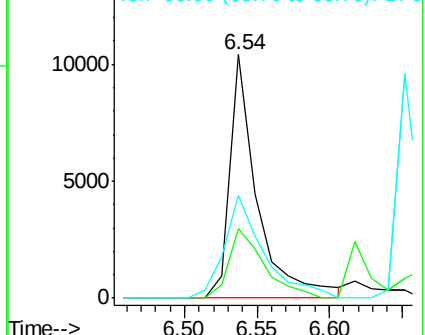
94 100

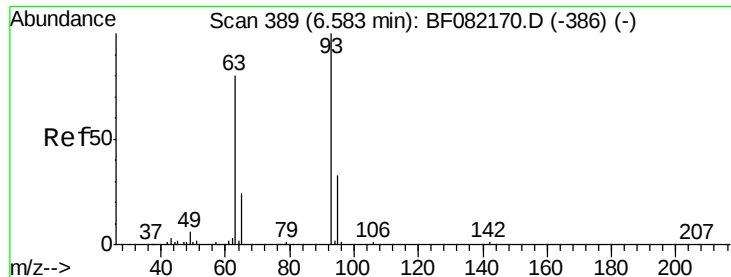
65 28.5 12.6 52.6

66 42.1 27.3 67.3



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

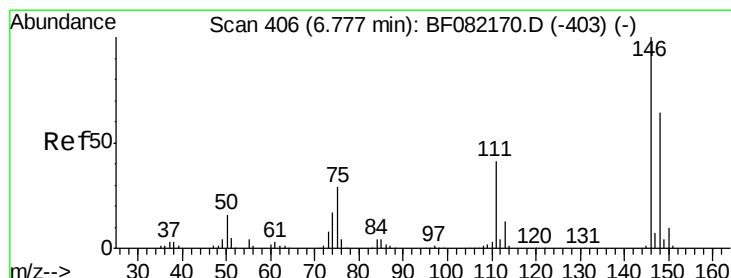
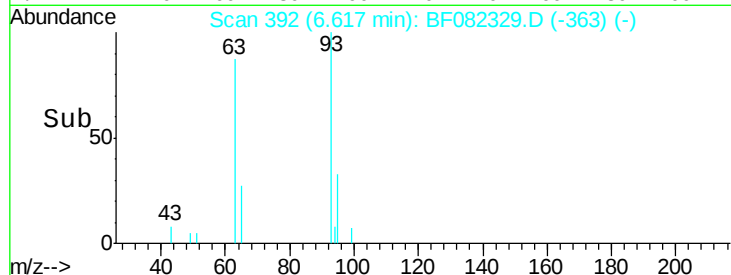
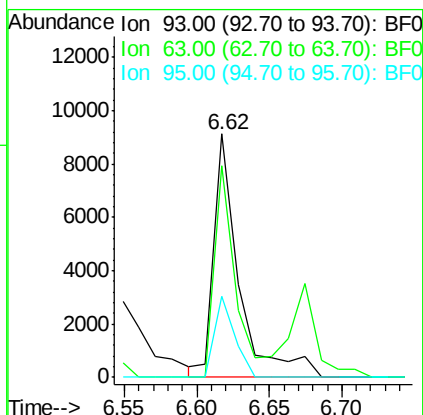
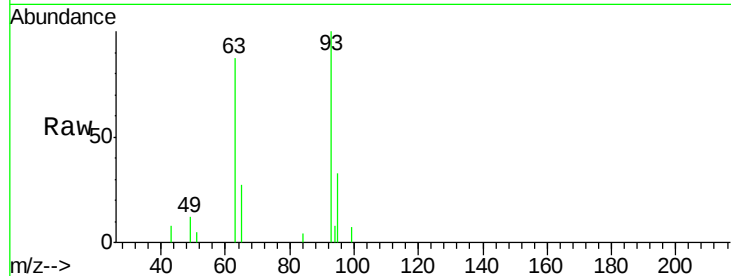




#11
bis(2-Chloroethyl)ether
Concen: 8.66 ng
RT: 6.62 min Scan# 392
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

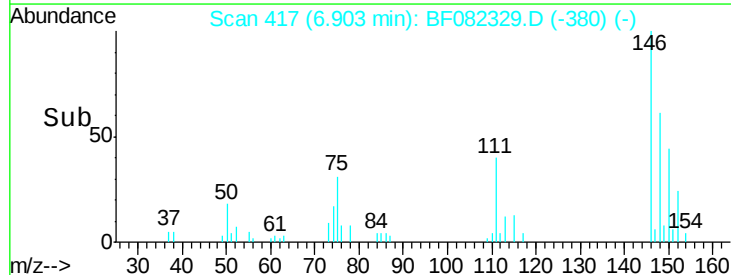
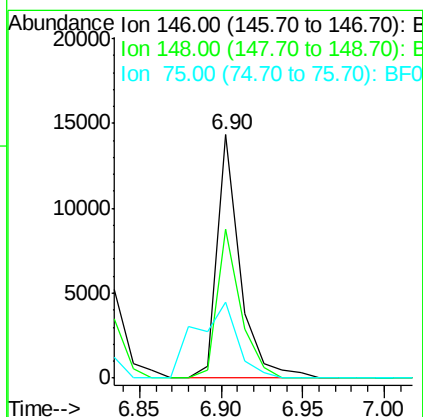
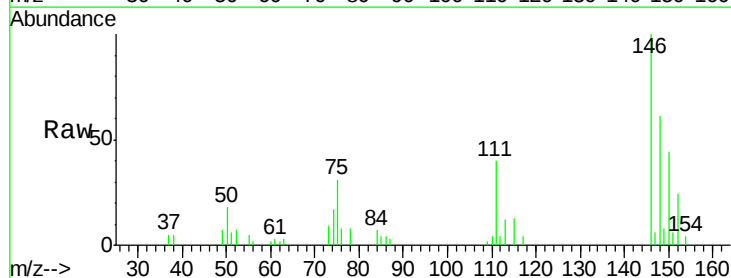
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion: 93 Resp: 10979
Ion Ratio Lower Upper
93 100
63 86.8 57.1 97.1
95 33.2 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 9.91 ng
RT: 6.90 min Scan# 417
Delta R.T. 0.13 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion: 146 Resp: 14067
Ion Ratio Lower Upper
146 100
148 61.3 51.4 77.2
75 31.1 23.0 34.6

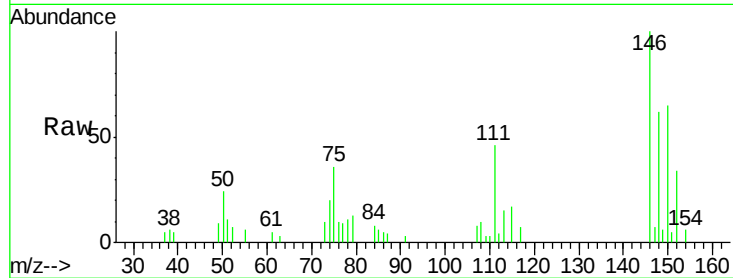




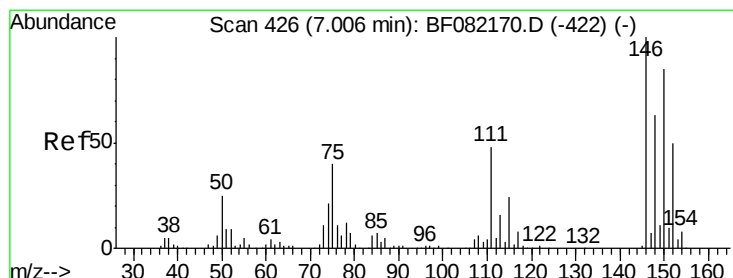
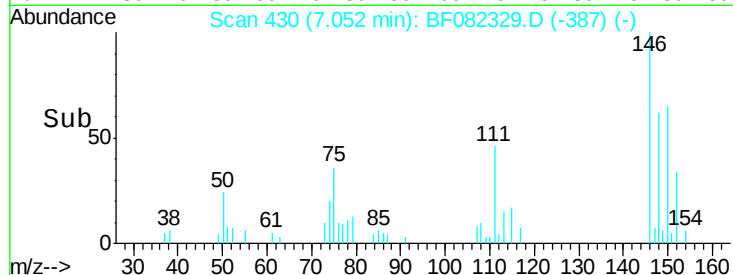
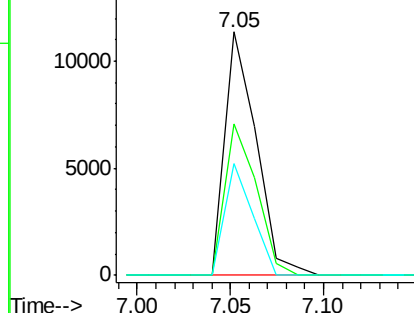
#13
 1,4-Dichlorobenzene
 Concen: 9.01 ng
 RT: 7.05 min Scan# 430
 Delta R.T. 0.19 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:146 Resp: 13356
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.0 76.4
 111 46.2 31.1 46.7

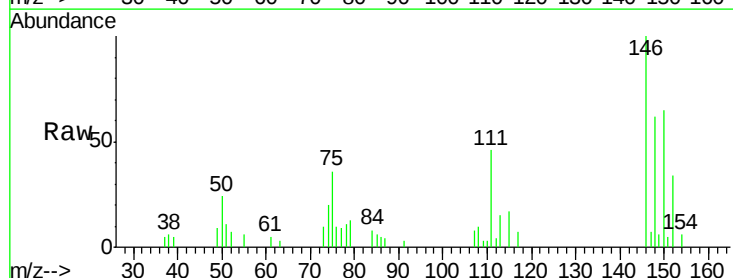


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

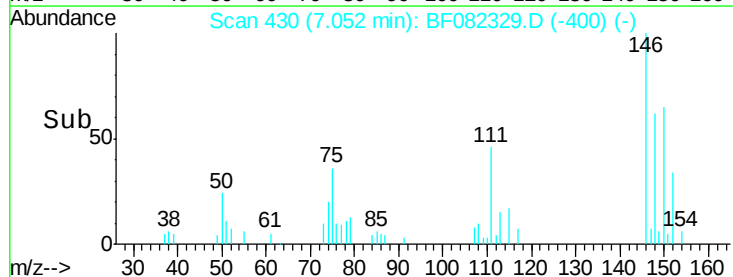
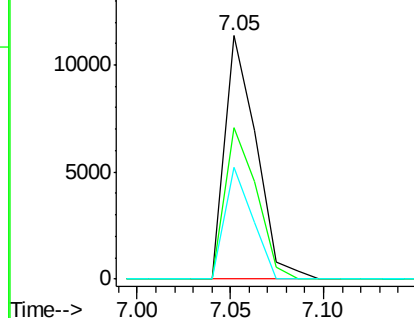


#14
 1,2-Dichlorobenzene
 Concen: 9.48 ng
 RT: 7.05 min Scan# 430
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:146 Resp: 13356
 Ion Ratio Lower Upper
 146 100
 148 62.2 50.5 75.7
 111 46.2 38.5 57.7



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: 9.52 ng

RT: 7.03 min Scan# 428

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

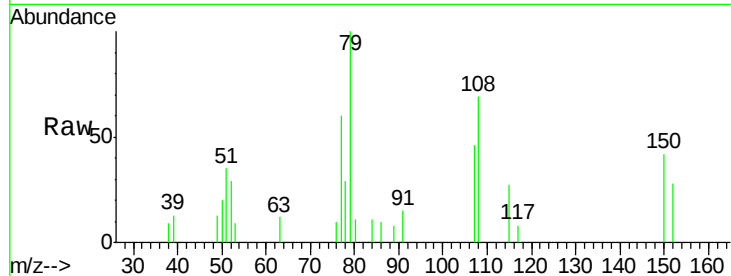
Tot Ion: 79 Resp: 8546

Ion Ratio Lower Upper

79 100

108 69.3 58.4 87.6

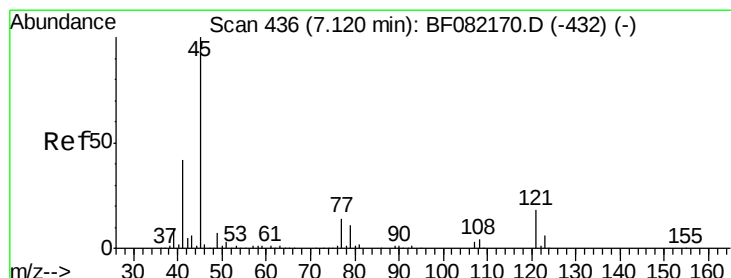
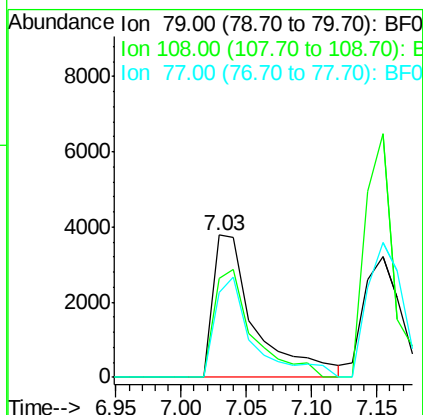
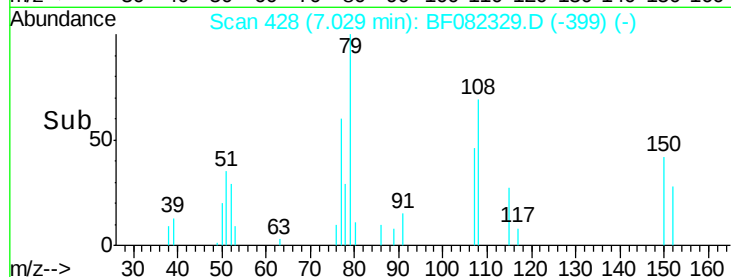
77 59.7 49.8 74.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.56 ng

RT: 7.17 min Scan# 440

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

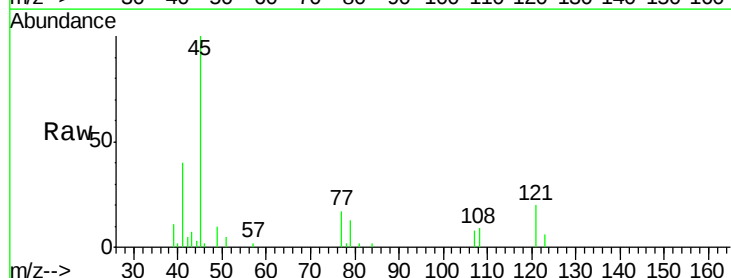
Tgt Ion: 45 Resp: 18643

Ion Ratio Lower Upper

45 100

77 17.3 0.0 34.5

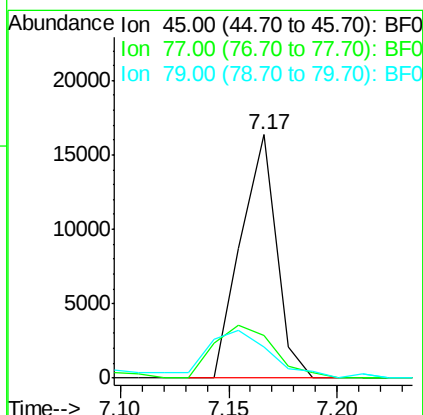
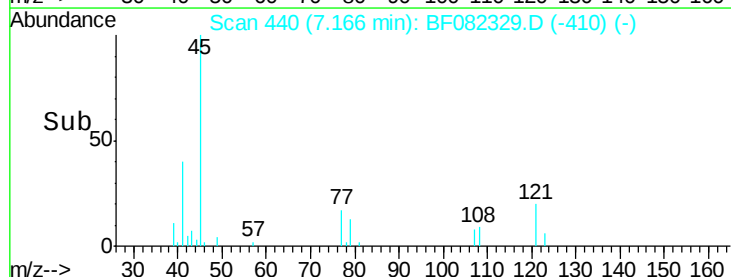
79 13.0 0.0 31.6

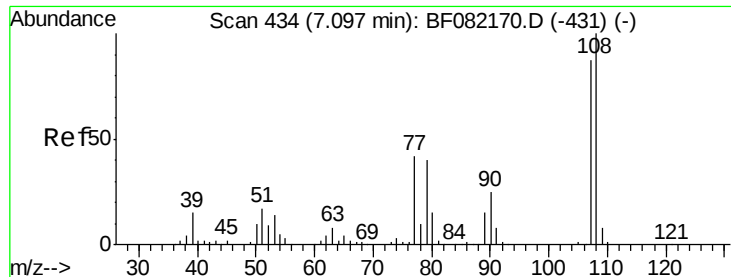


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 13.28 ng

RT: 7.31 min Scan# 453

Delta R.T. 0.21 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

Tot Ion:107 Resp: 12807

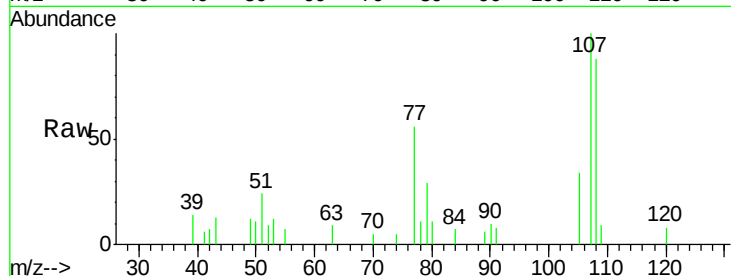
Ion Ratio Lower Upper

107 100

108 88.3 92.2 138.2#

77 56.1 39.6 59.4

79 29.2 38.2 57.4#

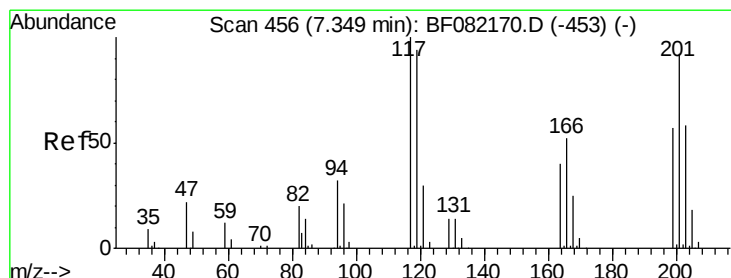
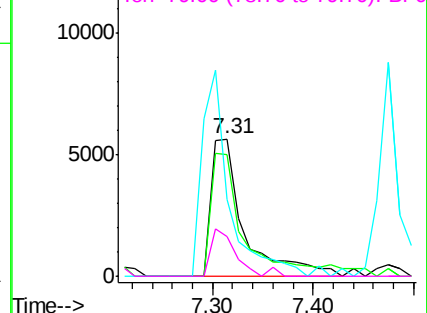
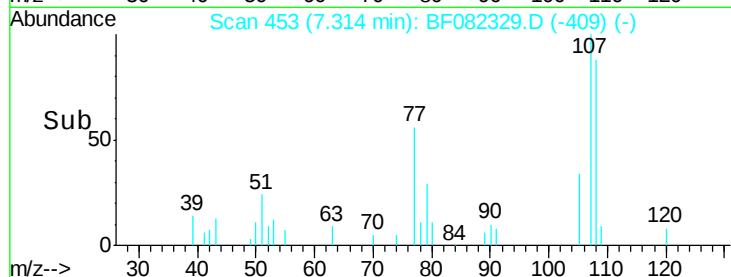


Abundance Ion 107.00 (106.70 to 107.70): E

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: 9.11 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

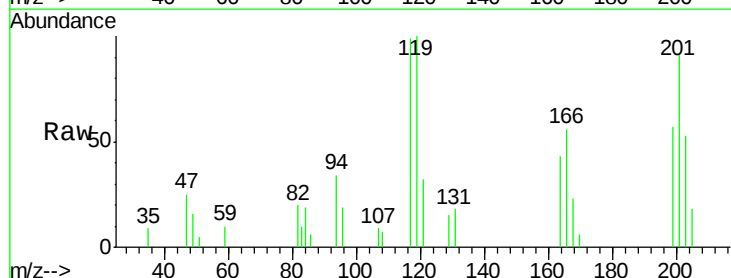
Tgt Ion:117 Resp: 4626

Ion Ratio Lower Upper

117 100

119 101.3 75.4 113.2

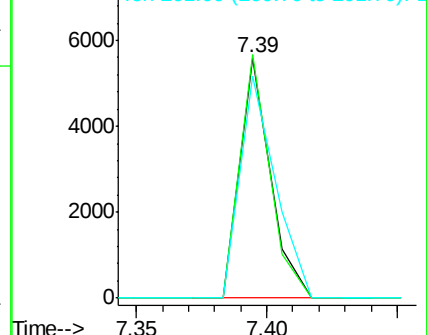
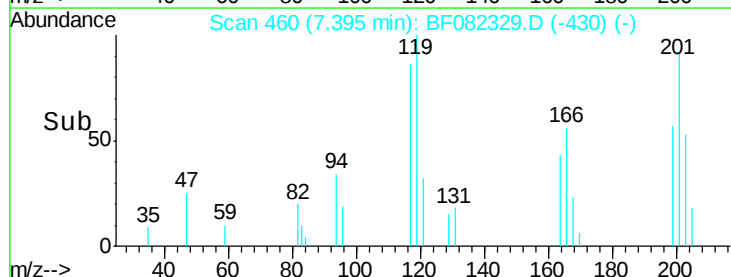
201 92.4 73.4 110.0

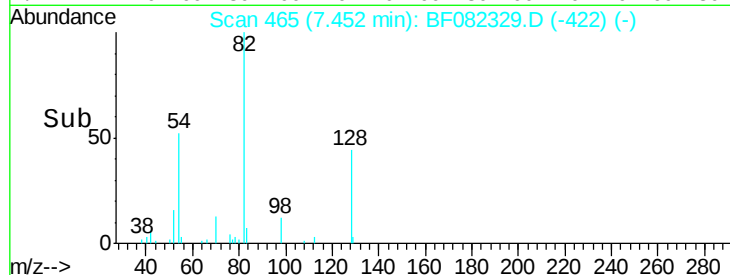
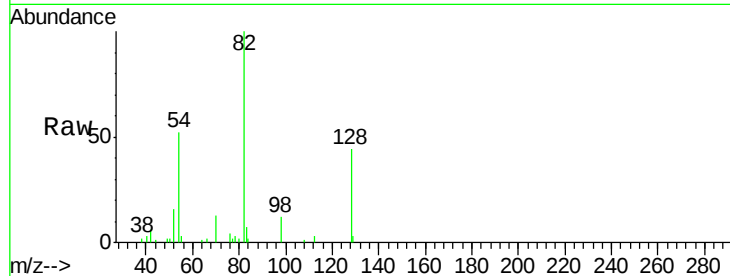
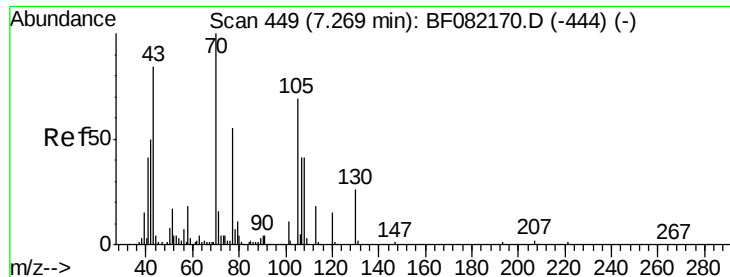


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

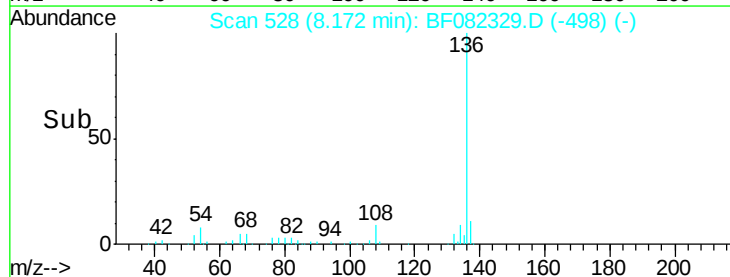
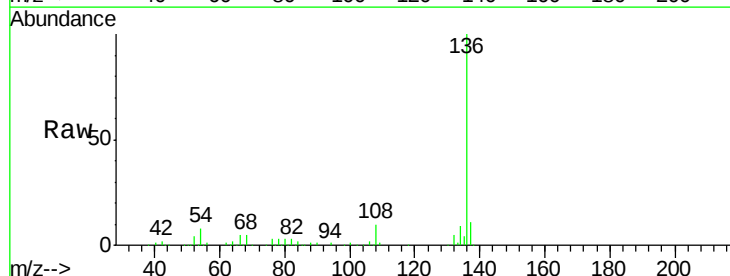
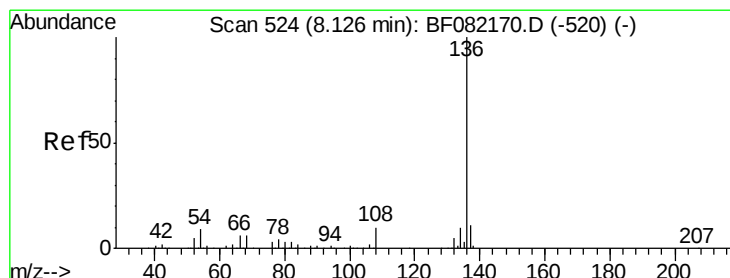
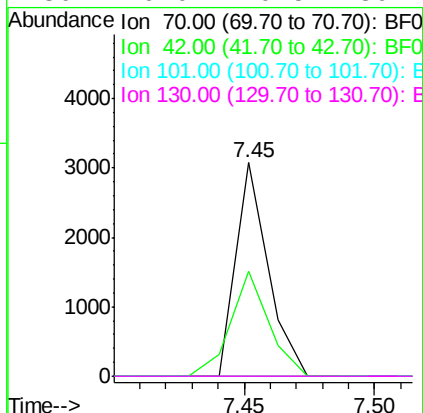




#19
n-Nitroso-di-n-propylamine
Concen: 2.92 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.19 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

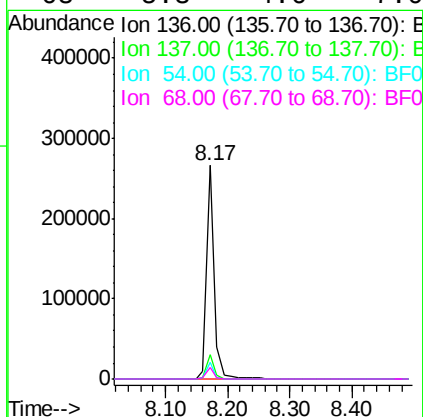
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

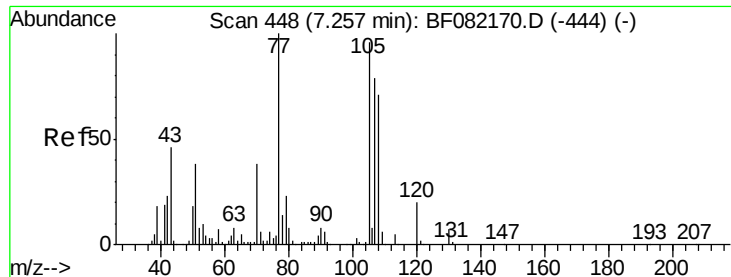
Tot Ion: 70 Resp: 2668
Ion Ratio Lower Upper
70 100
42 48.9 39.8 59.8
101 0.0 8.6 13.0#
130 0.0 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion: 136 Resp: 229217
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.0 7.5 11.3
68 5.3 4.6 7.0

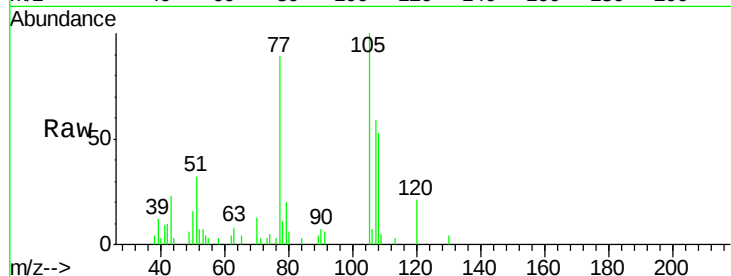




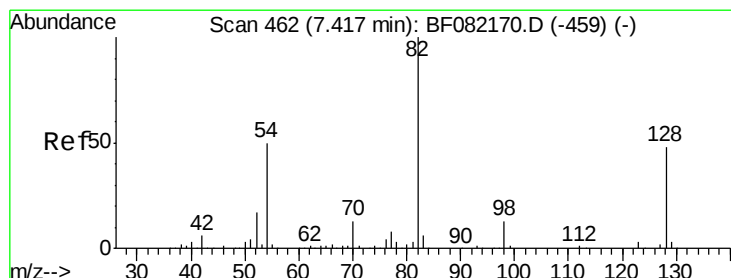
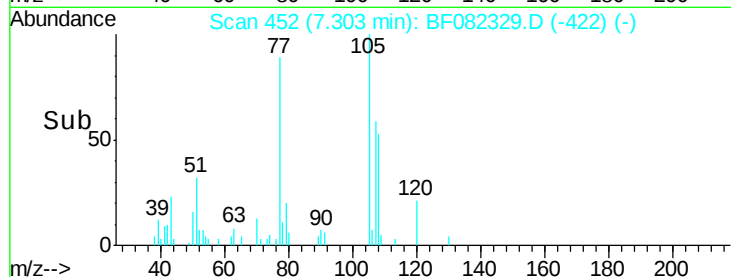
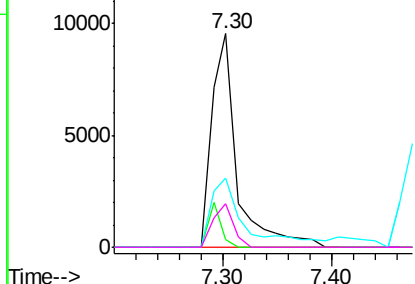
#22
Acetophenone
Concen: 3.39 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion:105 Resp: 15378
Ion Ratio Lower Upper
105 100
71 3.5 5.4 8.0#
51 32.1 31.8 47.6
120 20.7 16.3 24.5

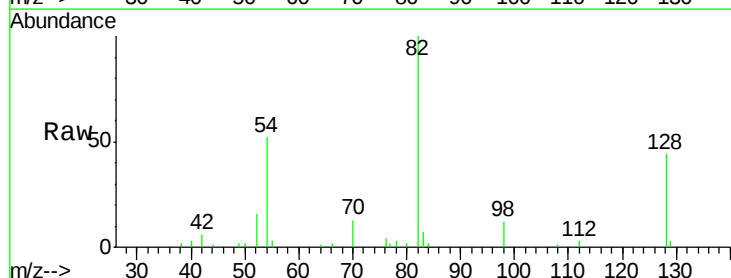


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

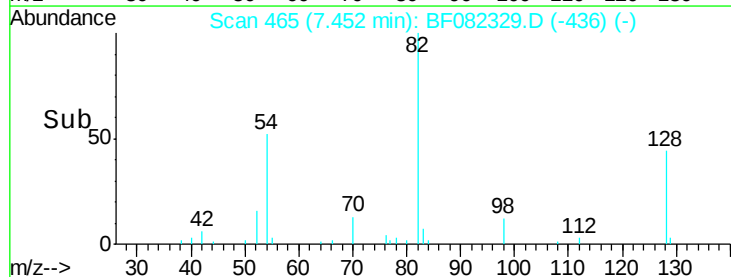
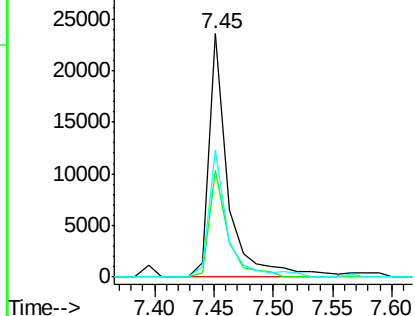


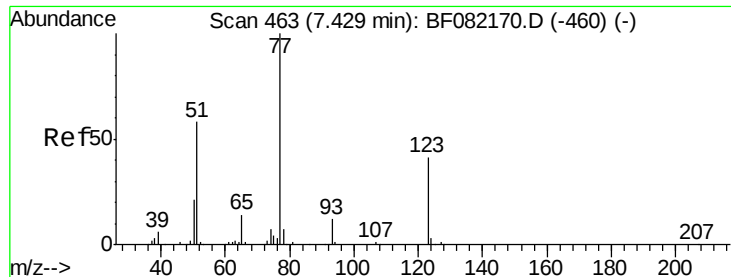
#23
Nitrobenzene-d5
Concen: 7.80 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion: 82 Resp: 26614
Ion Ratio Lower Upper
82 100
128 43.6 38.7 58.1
54 52.0 40.1 60.1



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

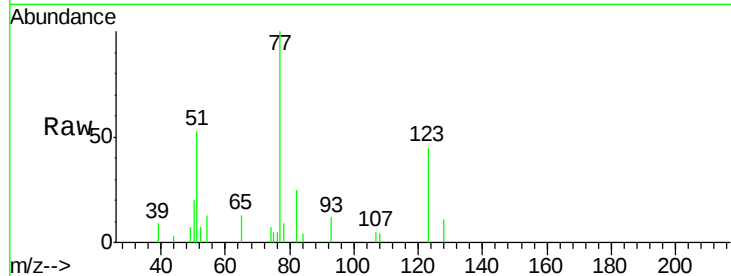




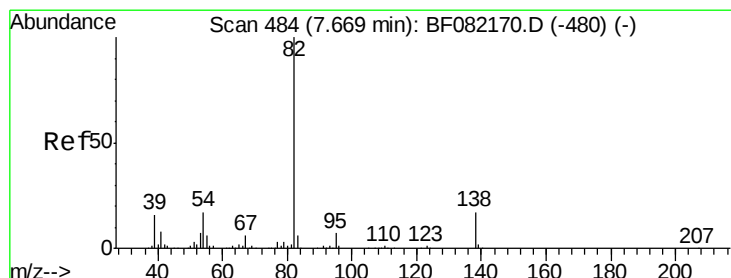
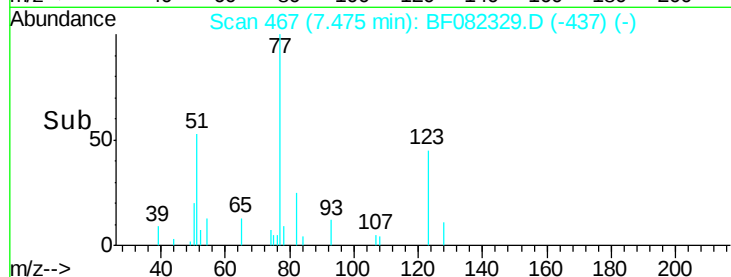
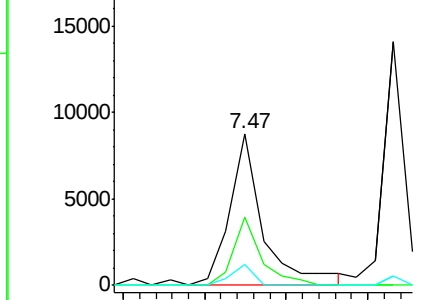
#24
 Nitrobenzene
 Concen: 3.37 ng
 RT: 7.47 min Scan# 467
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	44.9	33.0	49.4
65	13.4	11.2	16.8

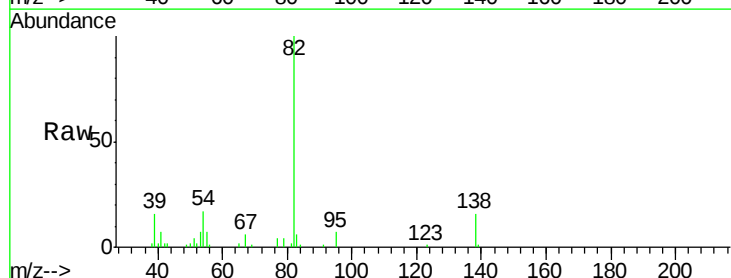


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0

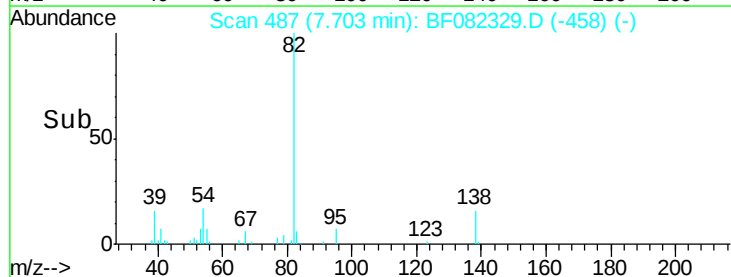
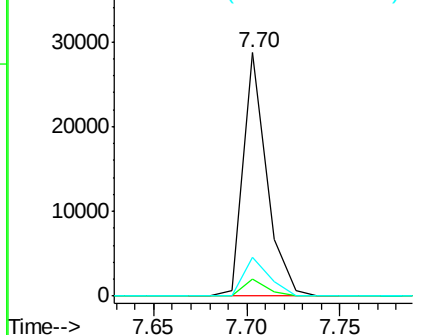


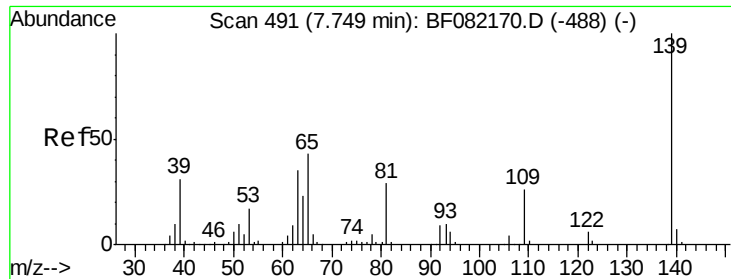
#25
 Isophorone
 Concen: 3.66 ng
 RT: 7.70 min Scan# 487
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	15.8	13.6	20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

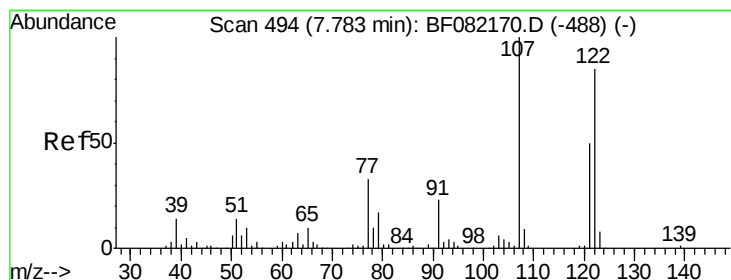
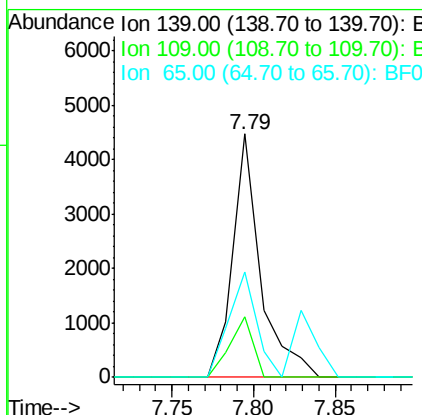
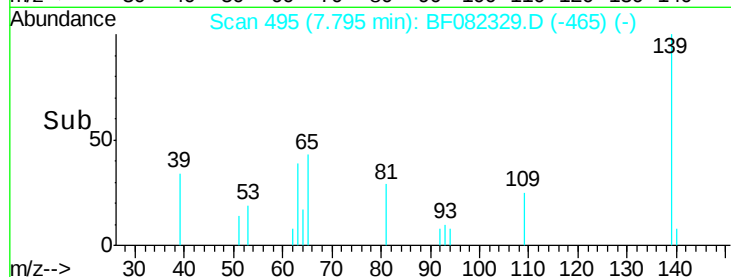
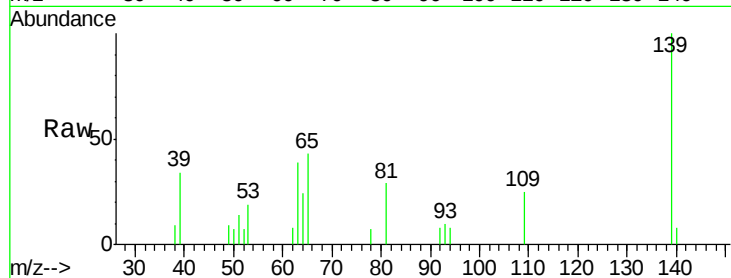




#26
2-Nitrophenol
Concen: 2.85 ng
RT: 7.79 min Scan# 495
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

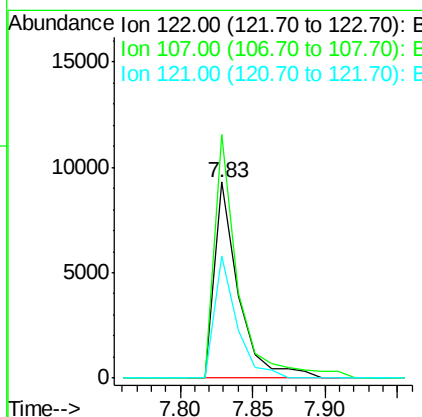
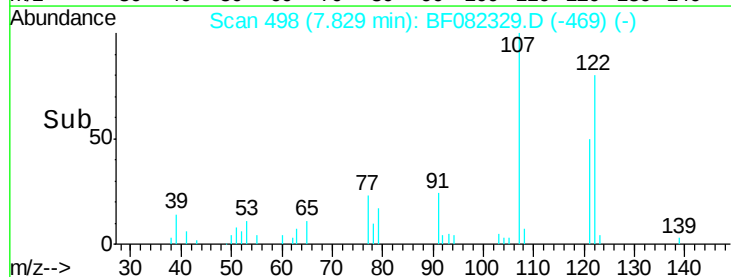
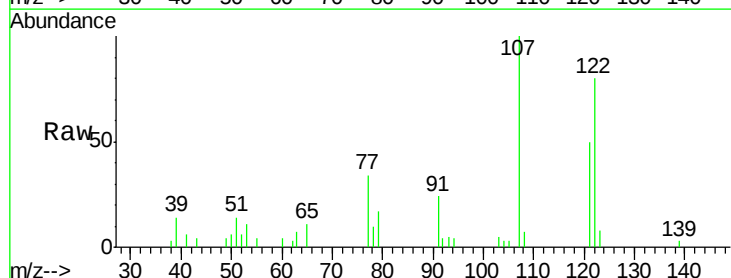
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

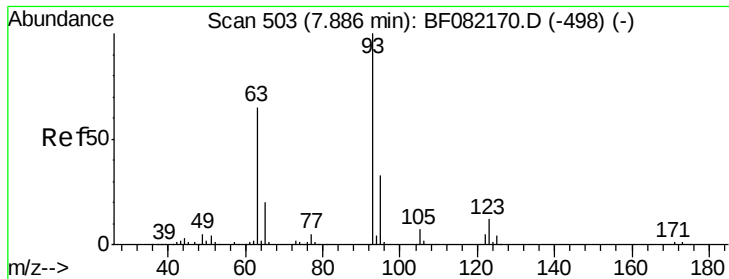
Tot Ion	Ratio	Lower	Upper
139	100		
109	24.9	20.6	31.0
65	43.5	34.3	51.5



#27
2,4-Dimethylphenol
Concen: 3.58 ng
RT: 7.83 min Scan# 498
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion	Ratio	Lower	Upper
122	100		
107	124.4	94.0	141.0
121	62.3	46.8	70.2

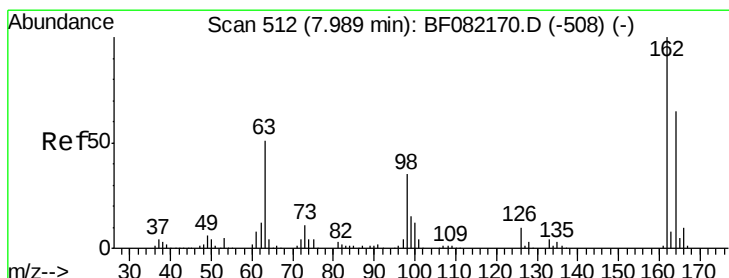
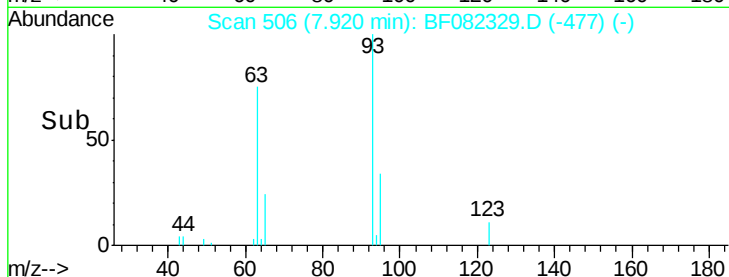
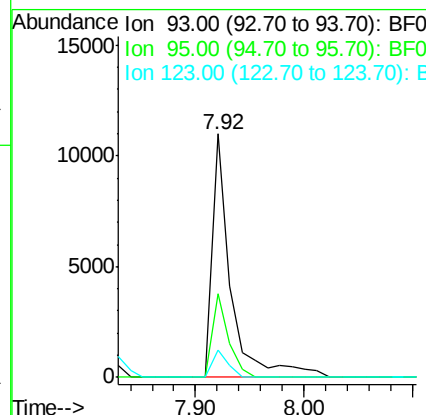
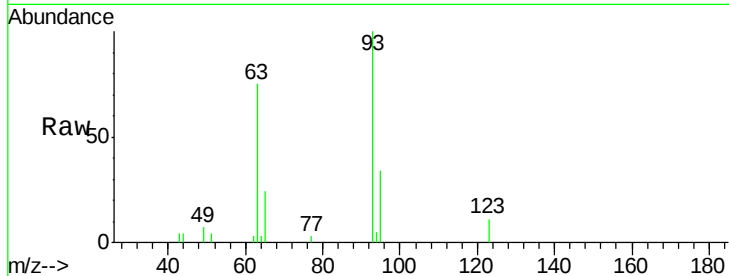




#28
bis(2-Chloroethoxy)methane
Concen: 3.26 ng
RT: 7.92 min Scan# 506
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

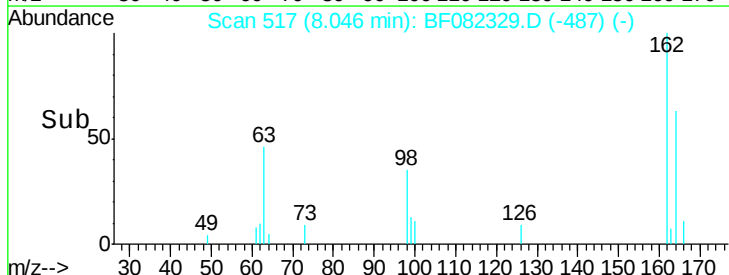
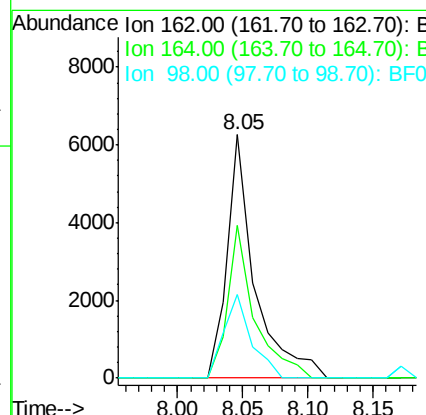
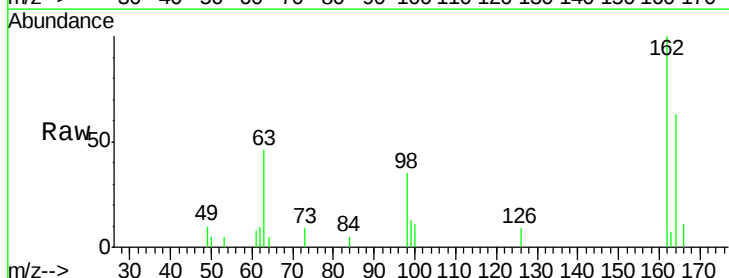
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

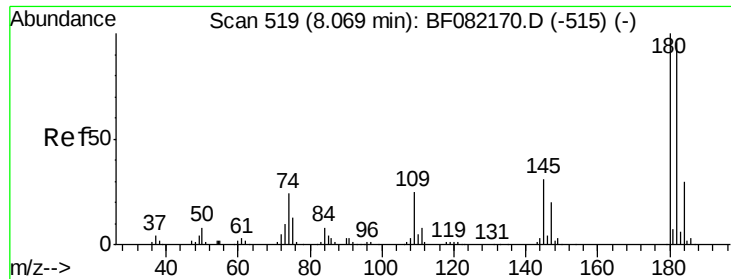
Tot Ion: 93 Resp: 13086
Ion Ratio Lower Upper
93 100
95 34.2 26.6 39.8
123 11.3 9.5 14.3



#29
2,4-Dichlorophenol
Concen: 3.12 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion: 162 Resp: 9271
Ion Ratio Lower Upper
162 100
164 62.7 44.6 84.6
98 34.5 15.0 55.0

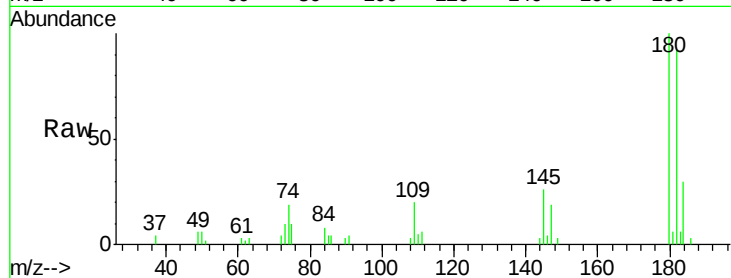




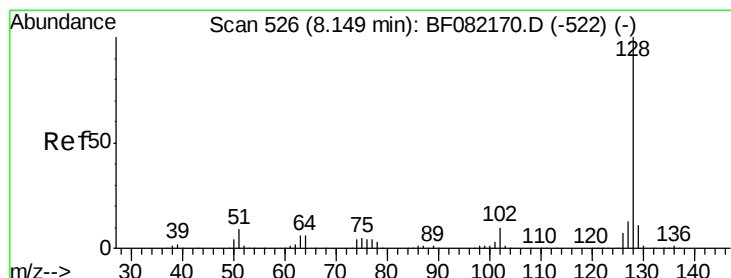
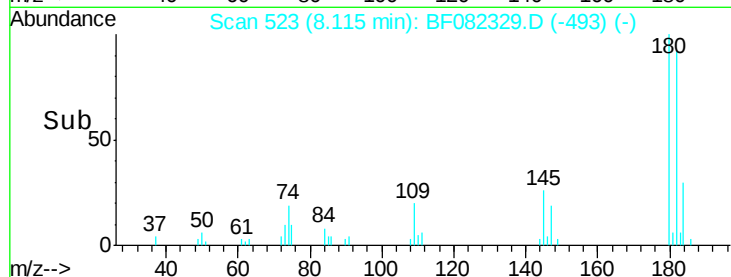
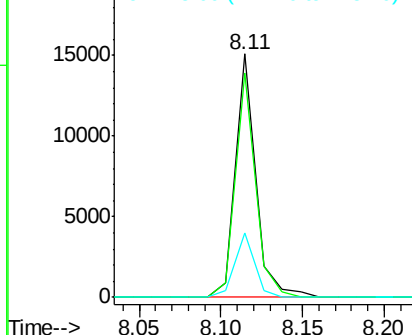
#30
 1,2,4-Trichlorobenzene
 Concen: 3.76 ng
 RT: 8.11 min Scan# 523
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:180 Resp: 12893
 Ion Ratio Lower Upper
 180 100
 182 92.2 77.0 115.4
 145 26.4 25.0 37.4

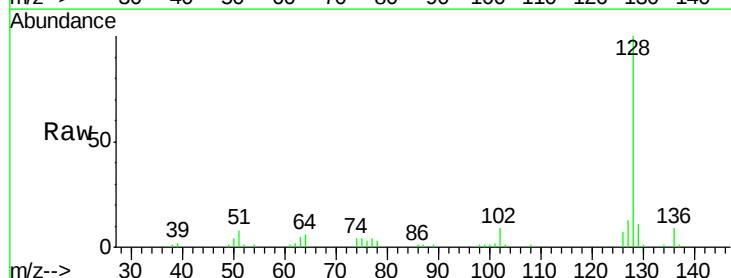


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

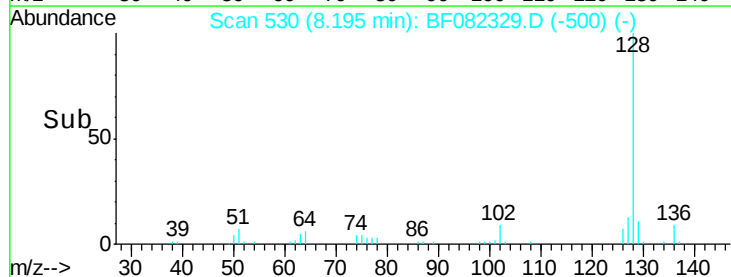
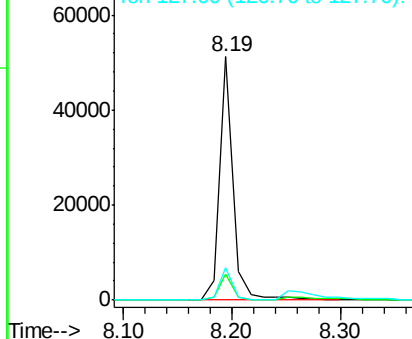


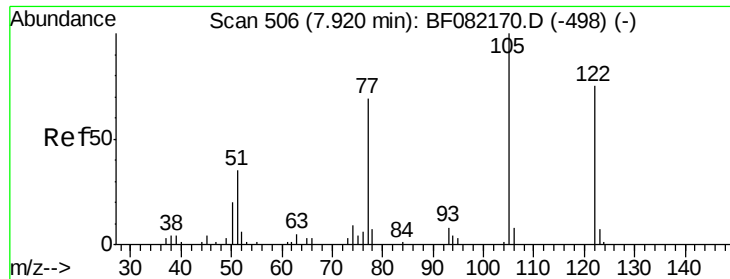
#31
 Naphthalene
 Concen: 4.49 ng
 RT: 8.19 min Scan# 530
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:128 Resp: 44579
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.1 13.7
 127 13.1 10.7 16.1



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

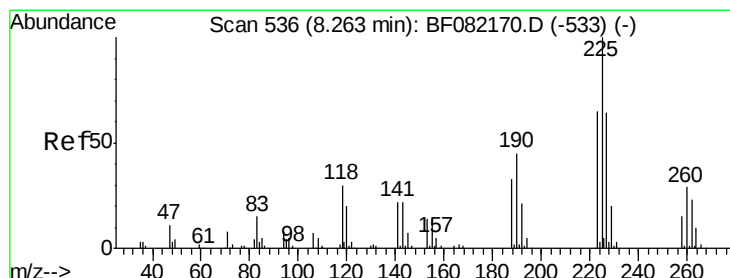
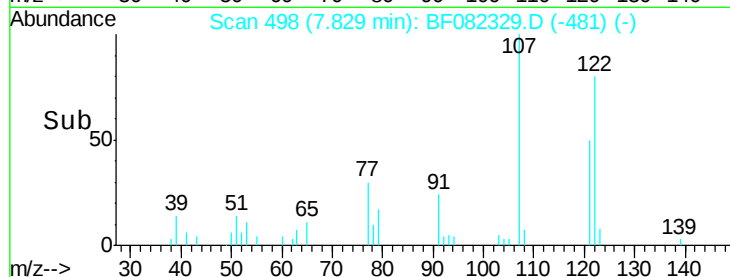
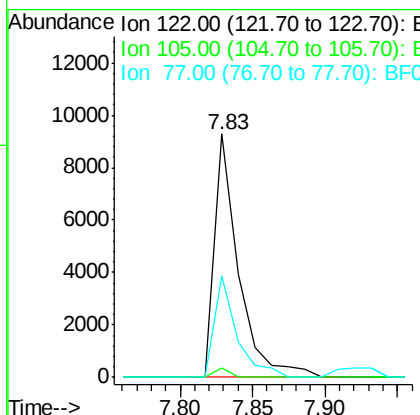
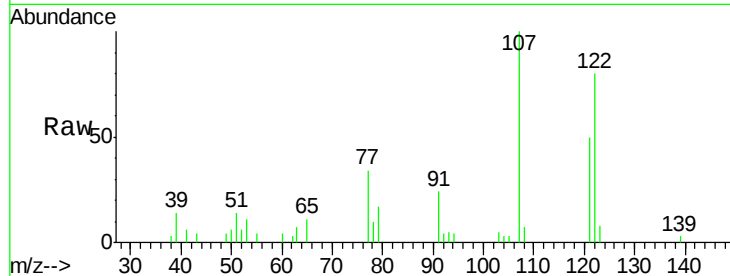




#32
Benzoic acid
Concen: 5.34 ng
RT: 7.83 min Scan# 498
Delta R.T. -0.10 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

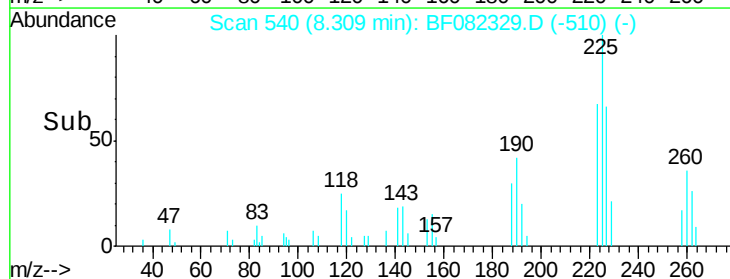
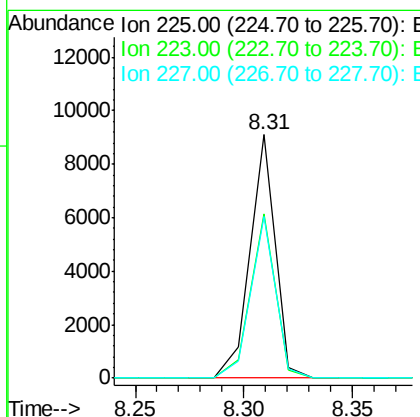
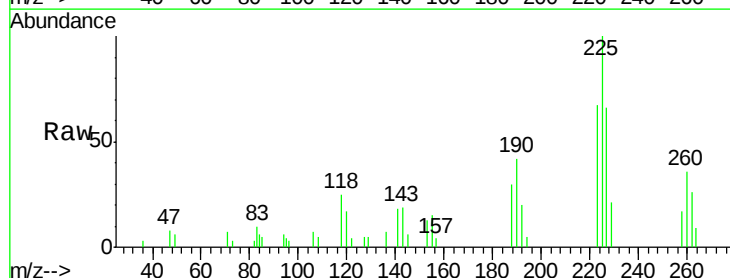
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

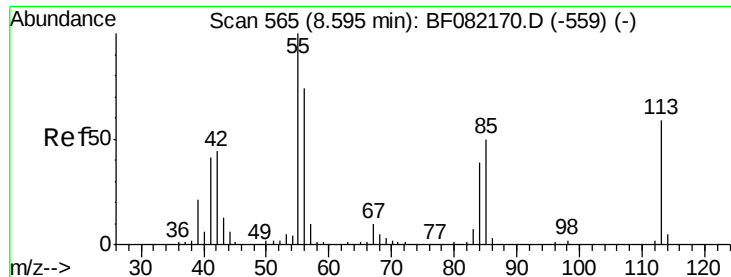
Tot Ion:122 Resp: 10650
Ion Ratio Lower Upper
122 100
105 4.0 104.4 144.4#
77 41.7 69.0 109.0#



#34
Hexachlorobutadiene
Concen: 3.43 ng
RT: 8.31 min Scan# 540
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:225 Resp: 7314
Ion Ratio Lower Upper
225 100
223 67.4 52.2 78.2
227 66.4 51.3 76.9





#35

Caprolactam

Concen: 3.73 ng

RT: 8.57 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

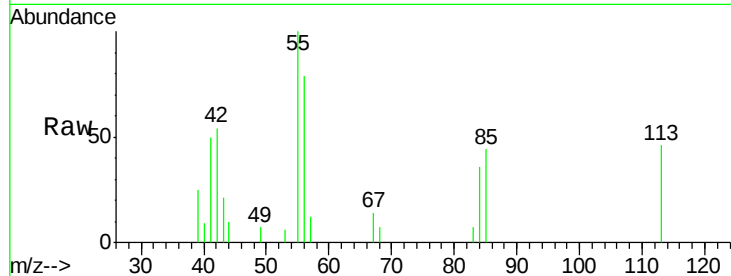
Tot Ion:113 Resp: 3216

Ion Ratio Lower Upper

113 100

55 219.0 149.7 189.7#

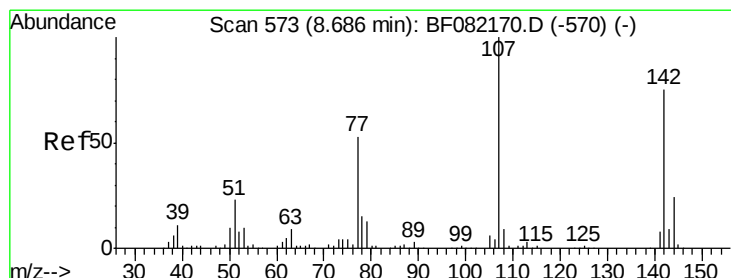
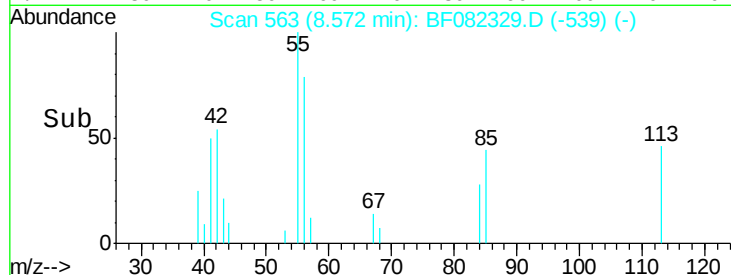
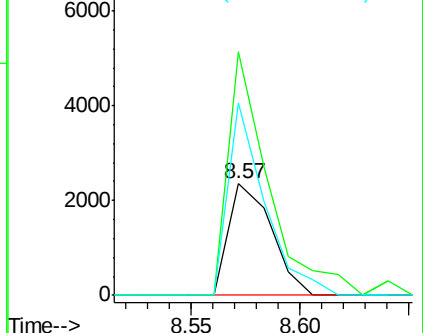
56 173.6 105.4 145.4#



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: 3.89 ng

RT: 8.73 min Scan# 577

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

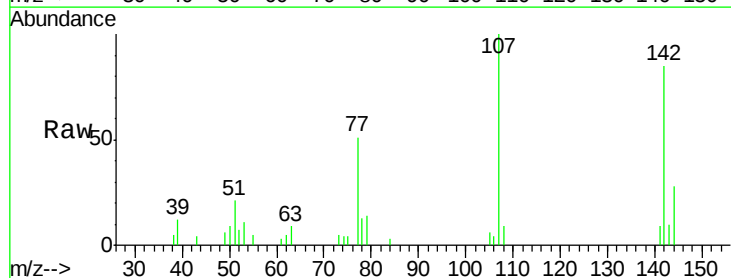
Tgt Ion:107 Resp: 11311

Ion Ratio Lower Upper

107 100

144 28.1 19.3 28.9

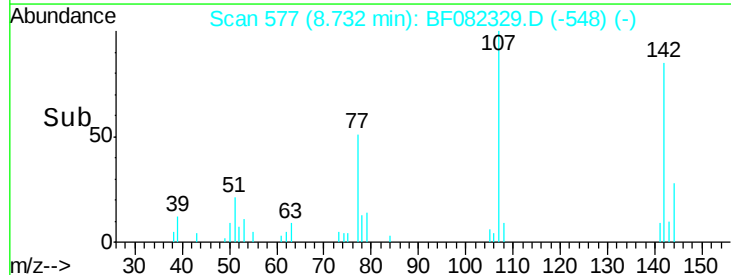
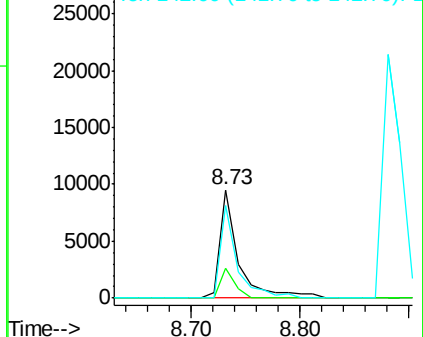
142 85.0 59.9 89.9

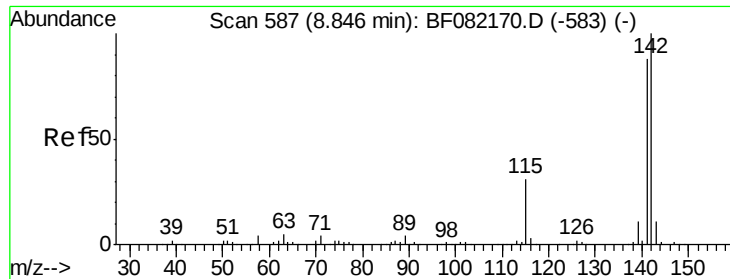


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

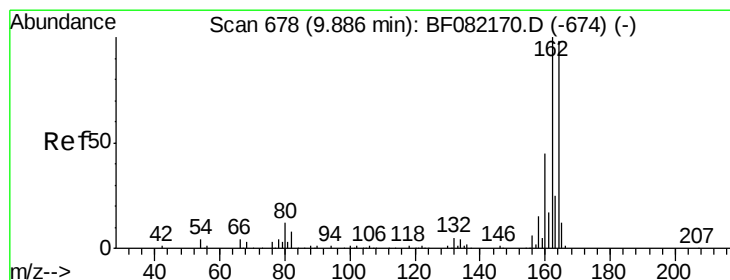
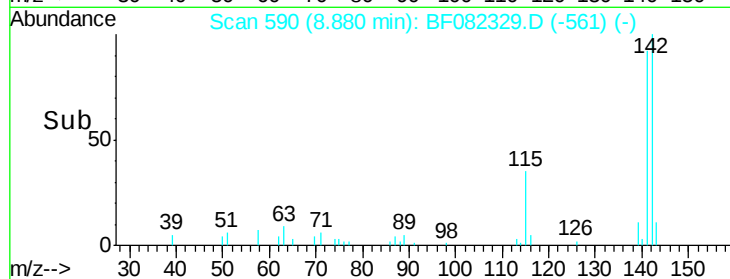
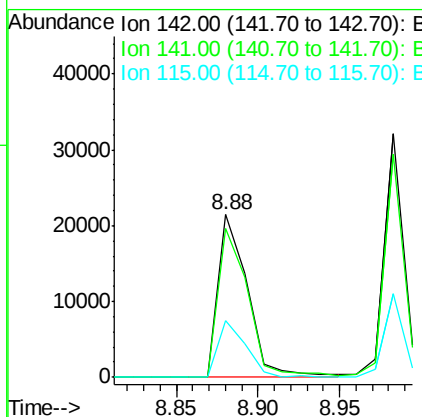
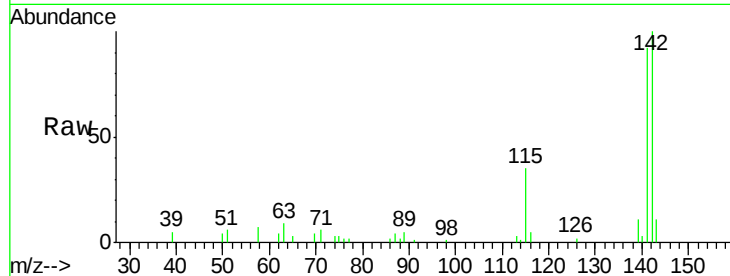




#37
2-Methylnaphthalene
Concen: 3.90 ng
RT: 8.88 min Scan# 590
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

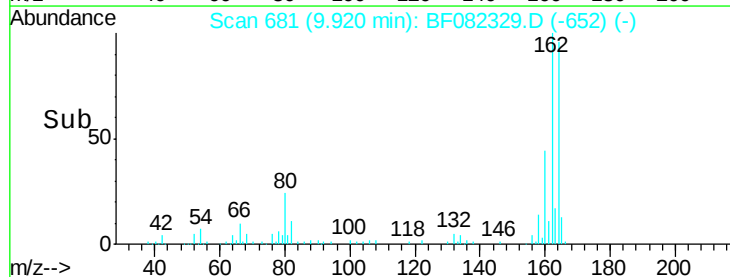
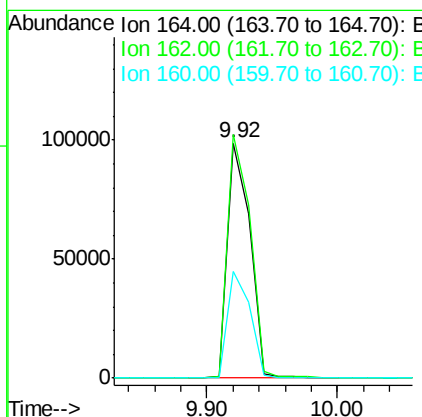
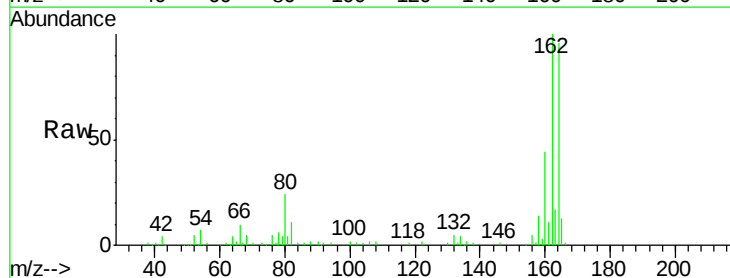
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

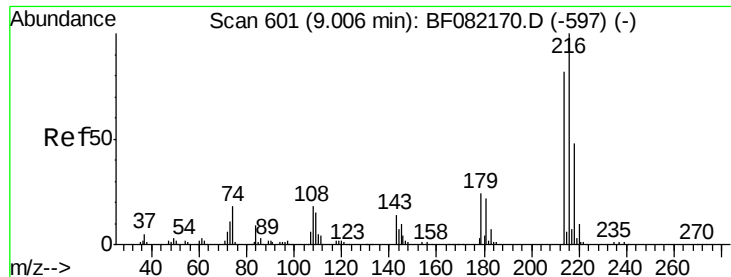
Tot Ion:142 Resp: 26890
Ion Ratio Lower Upper
142 100
141 91.6 70.4 105.6
115 35.0 24.6 37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 681
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:164 Resp: 117792
Ion Ratio Lower Upper
164 100
162 103.7 81.6 122.4
160 45.4 36.4 54.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 3.62 ng

RT: 9.05 min Scan# 605

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

Tot Ion:216 Resp: 12692

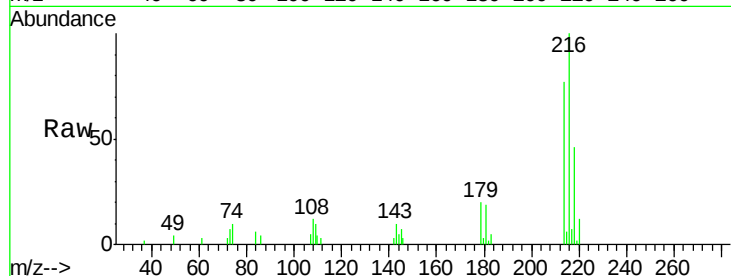
Ion Ratio Lower Upper

216 100

214 78.4 64.6 97.0

179 20.0 17.6 26.4

108 14.6 14.5 21.7

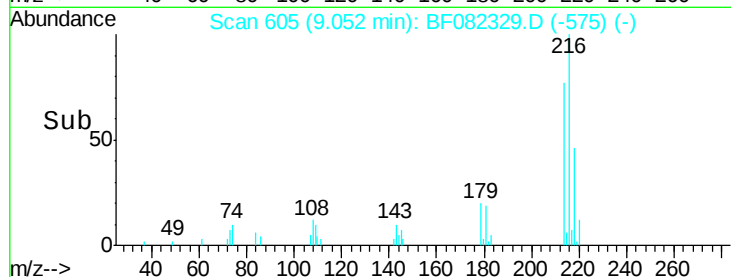


Abundance Ion 216.00 (215.70 to 216.70): E

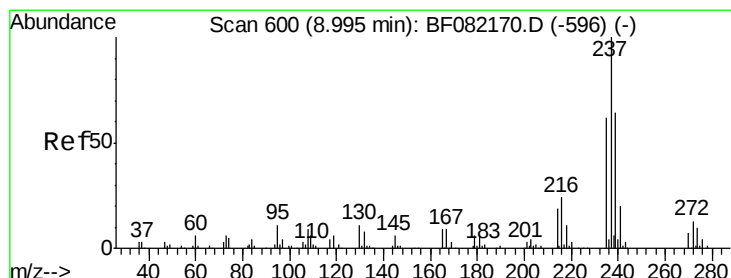
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 8.47 ng

RT: 9.03 min Scan# 603

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

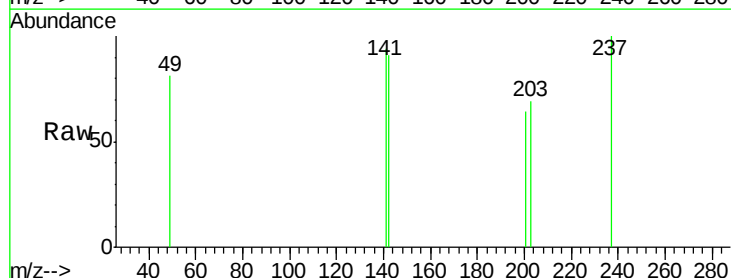
Tgt Ion:237 Resp: 331

Ion Ratio Lower Upper

237 100

235 0.0 41.7 81.7#

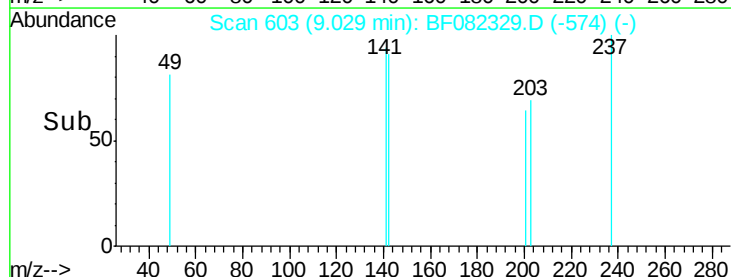
272 0.0 0.0 32.8



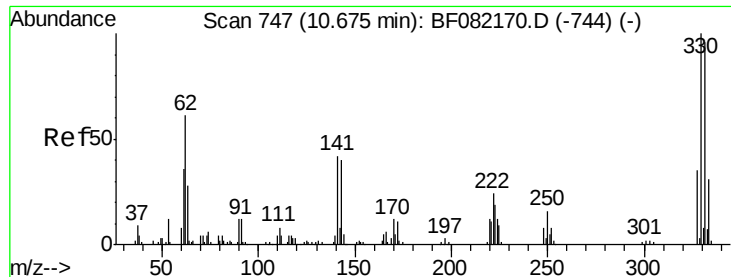
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



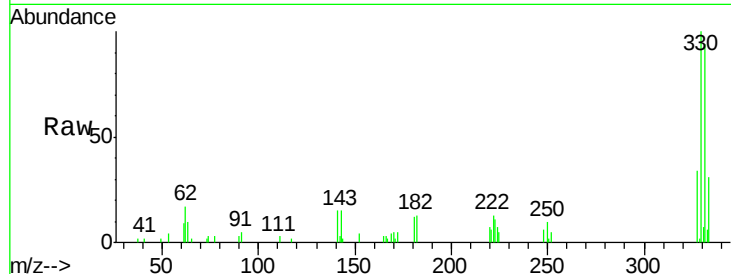
Time-->



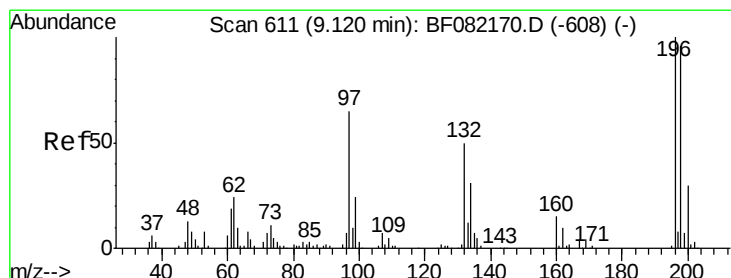
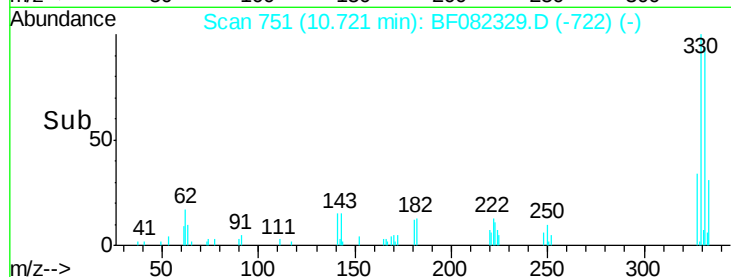
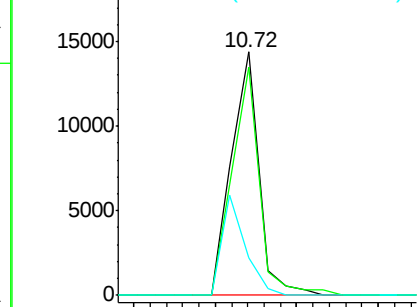
#41
 2,4,6-Tribromophenol
 Concen: 15.09 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion	330	Resp	16674
Ion Ratio	100		
Lower	77.1		
Upper	115.7		
332	93.0		
141	35.3		
	29.8		
	44.8		

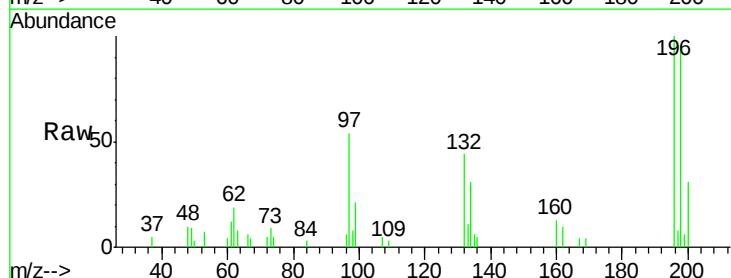


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

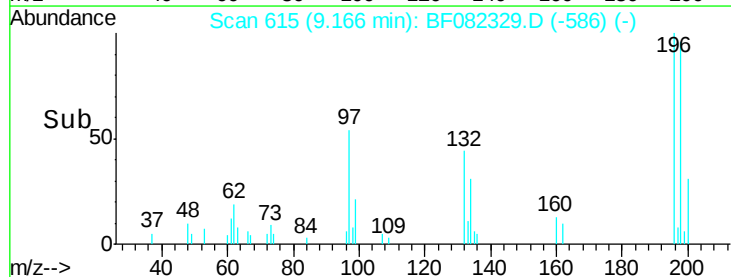
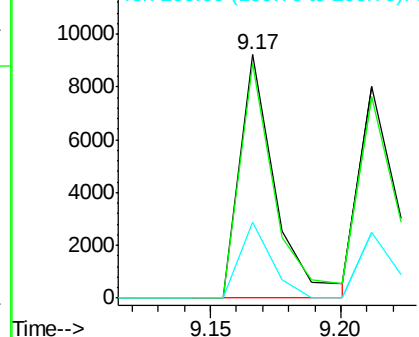


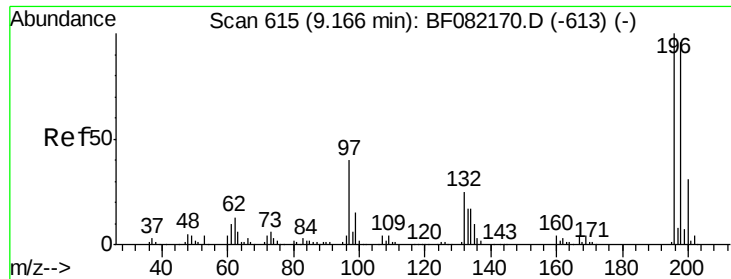
#42
 2,4,6-Trichlorophenol
 Concen: 3.81 ng
 RT: 9.17 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion	196	Resp	8869
Ion Ratio	100		
Lower	76.6		
Upper	115.0		
198	96.4		
200	31.3		
	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

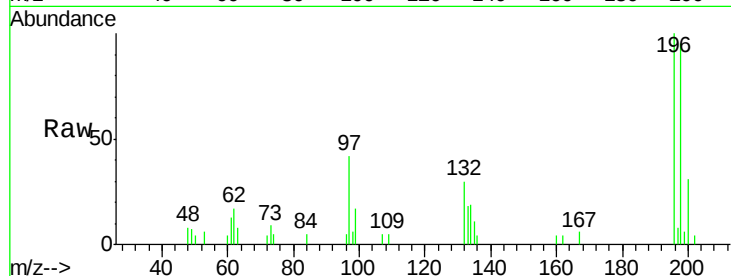




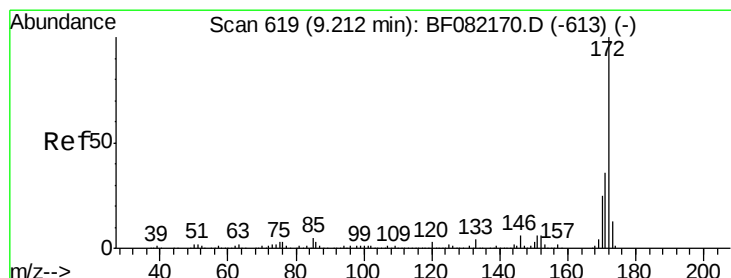
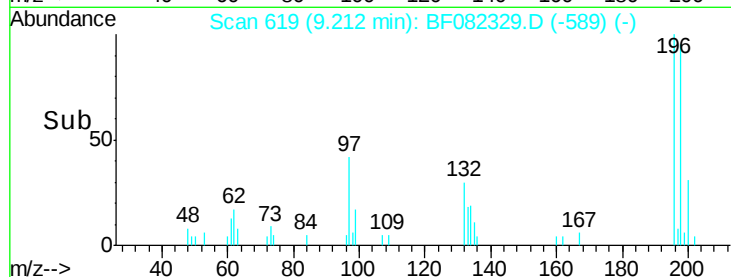
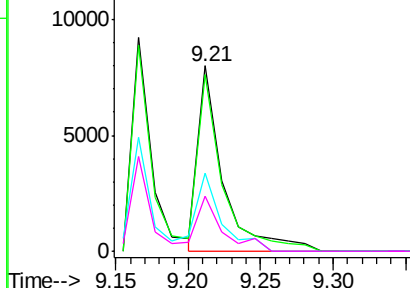
#43
2,4,5-Trichlorophenol
Concen: 3.83 ng
RT: 9.21 min Scan# 619
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion:196 Resp: 9643
Ion Ratio Lower Upper
196 100
198 95.4 77.0 115.4
97 42.4 31.9 47.9
132 29.8 20.3 30.5

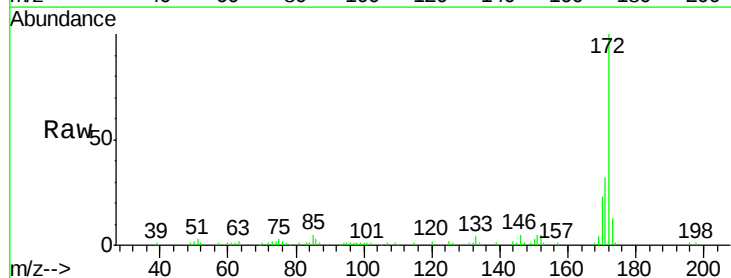


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

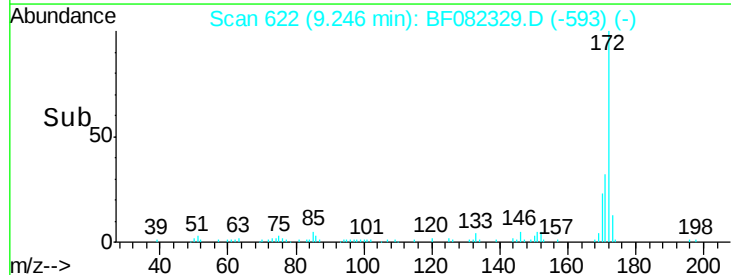
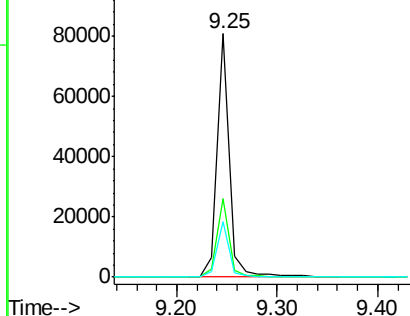


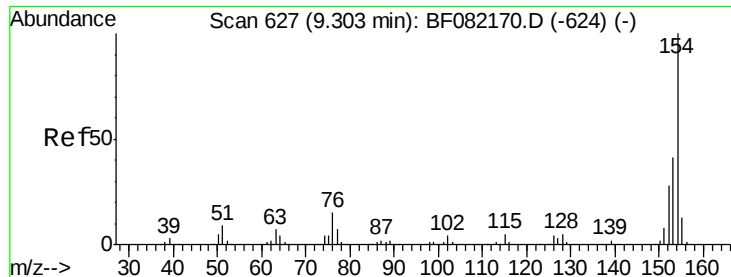
#44
2-Fluorobiphenyl
Concen: 9.63 ng
RT: 9.25 min Scan# 622
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:172 Resp: 68369
Ion Ratio Lower Upper
172 100
171 32.5 28.6 42.8
170 22.9 19.7 29.5



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

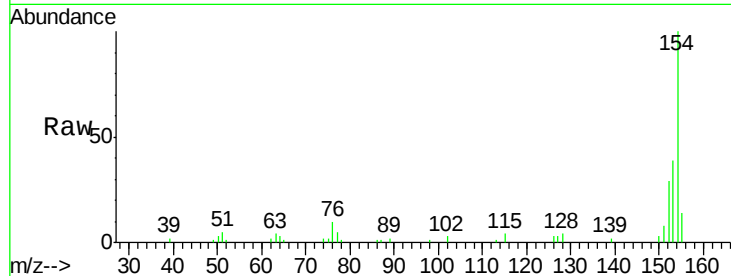




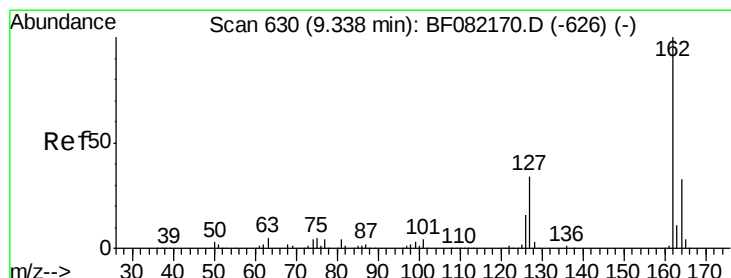
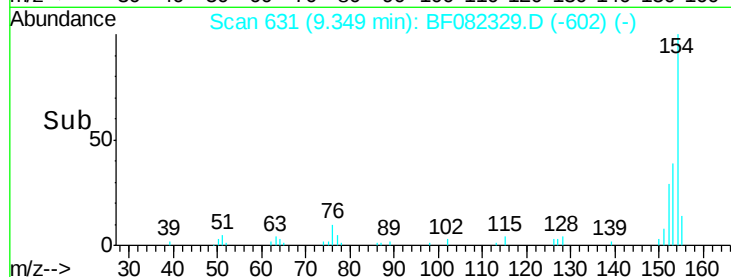
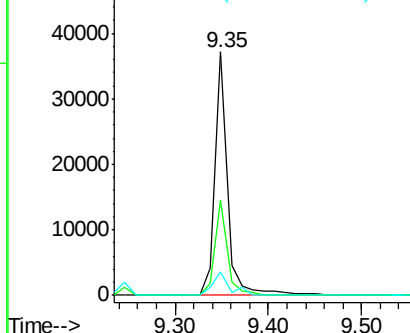
#45
 1,1'-Biphenyl
 Concen: 3.89 ng
 RT: 9.35 min Scan# 631
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	9.5	0.0	35.2

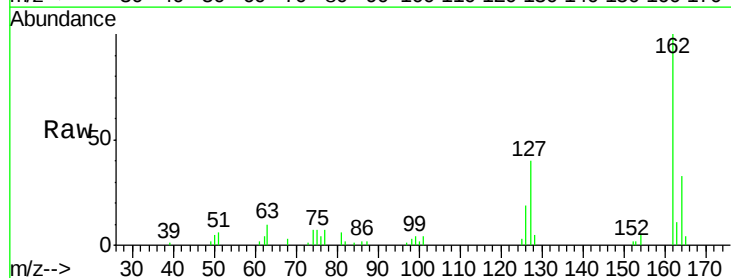


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

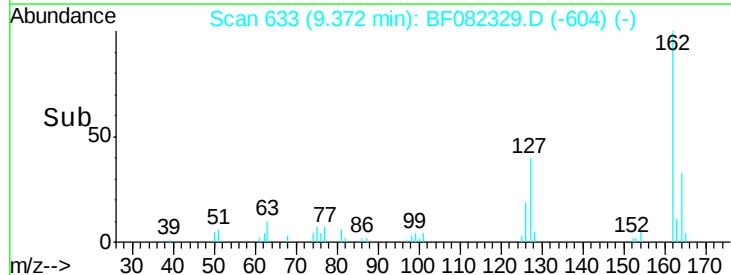
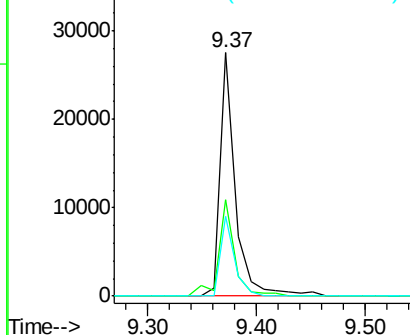


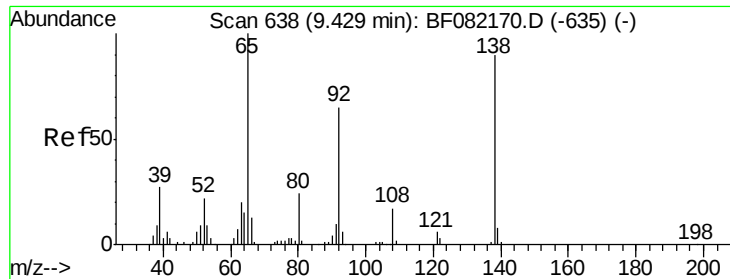
#46
 2-Chloronaphthalene
 Concen: 3.84 ng
 RT: 9.37 min Scan# 633
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	27.5	41.3
164	32.8	26.6	39.8



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

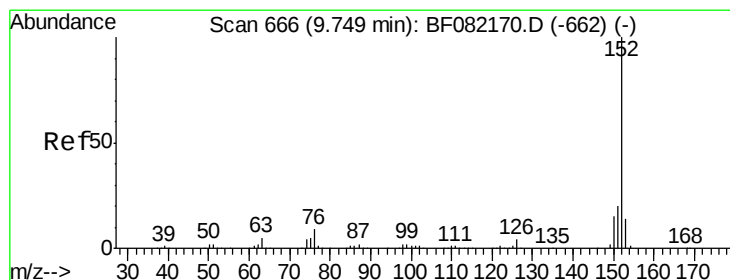
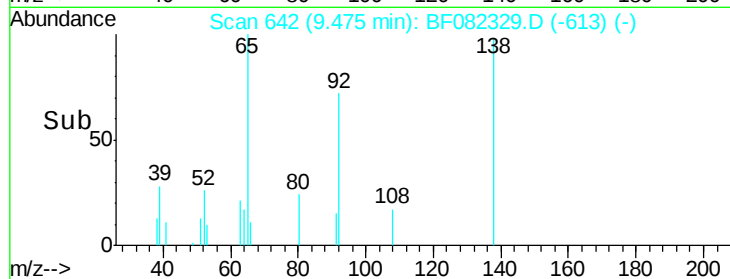
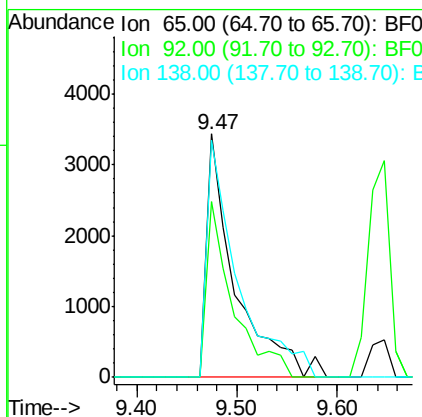
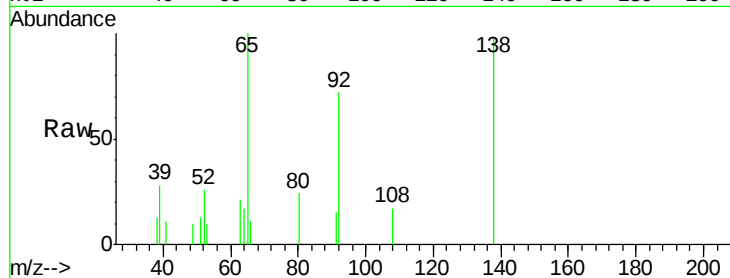




#47
2-Nitroaniline
Concen: 3.51 ng
RT: 9.47 min Scan# 642
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

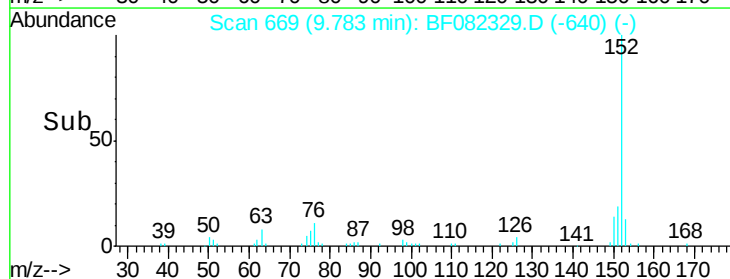
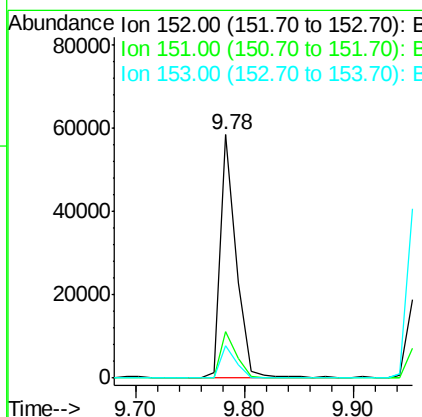
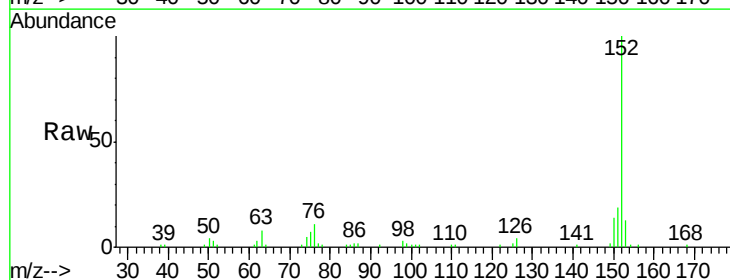
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

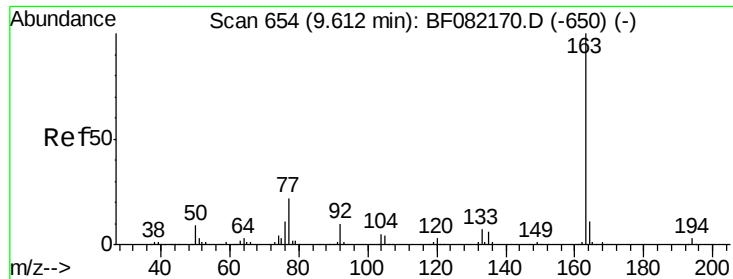
Tot Ion: 65 Resp: 6810
Ion Ratio Lower Upper
65 100
92 72.1 52.3 78.5
138 97.6 72.2 108.4



#48
Acenaphthylene
Concen: 5.39 ng
RT: 9.78 min Scan# 669
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion: 152 Resp: 59330
Ion Ratio Lower Upper
152 100
151 19.0 16.4 24.6
153 13.1 10.8 16.2





#49

Dimethylphthalate

Concen: 5.18 ng

RT: 9.65 min Scan# 657

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

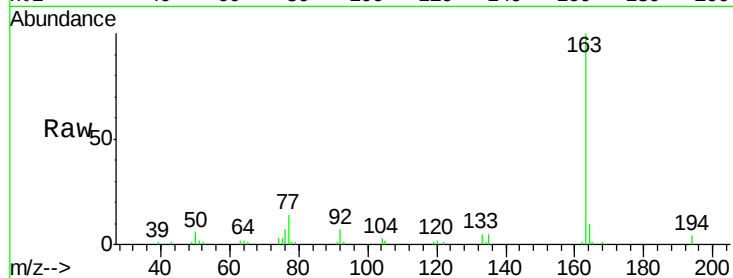
Tot Ion:163 Resp: 42996

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

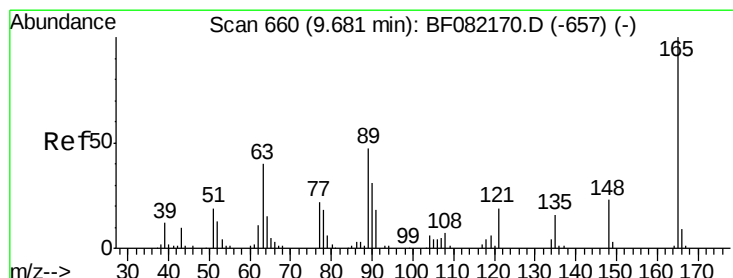
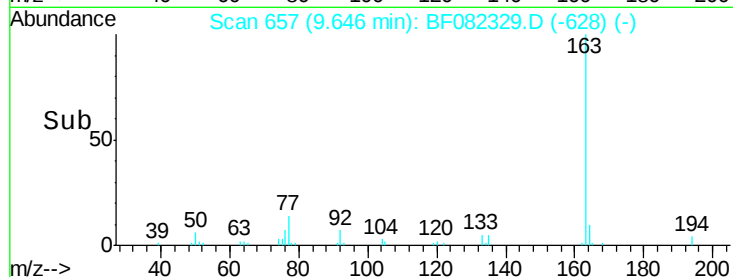
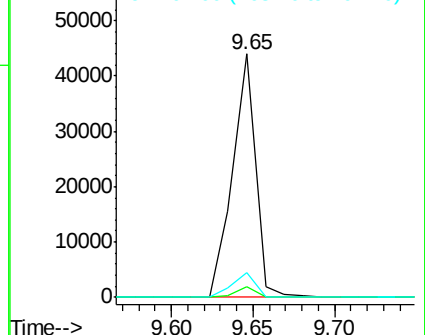
164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.40 ng

RT: 9.71 min Scan# 663

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

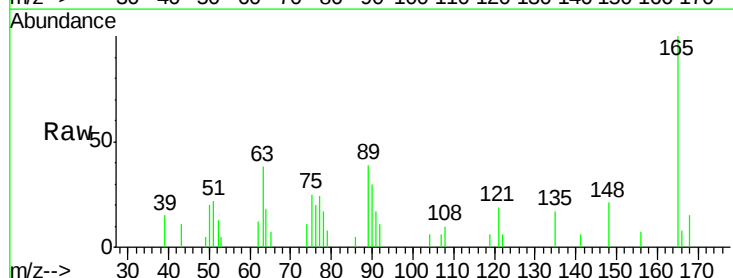
Tgt Ion:165 Resp: 5947

Ion Ratio Lower Upper

165 100

63 37.7 36.7 55.1

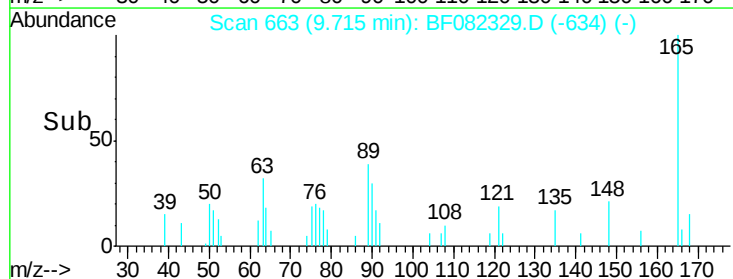
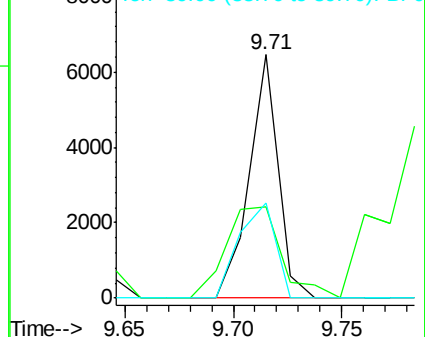
89 38.9 37.8 56.6

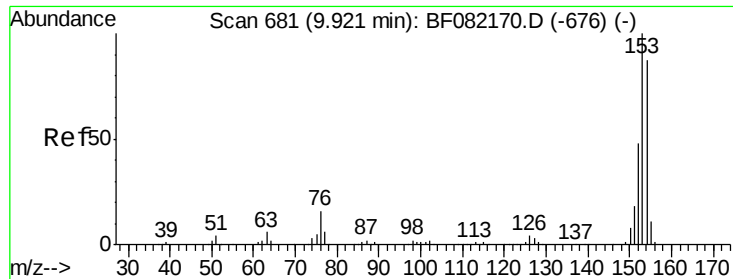


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.97 ng

RT: 9.95 min Scan# 684

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

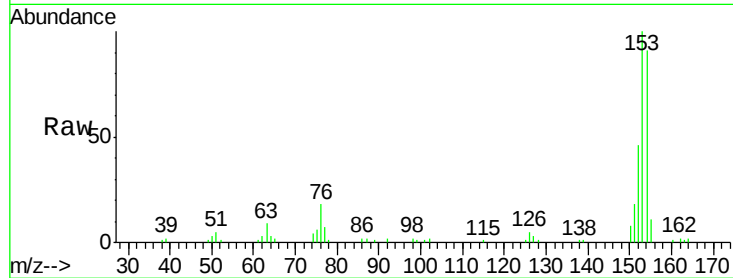
Tot Ion:154 Resp: 32882

Ion Ratio Lower Upper

154 100

153 110.1 91.4 137.2

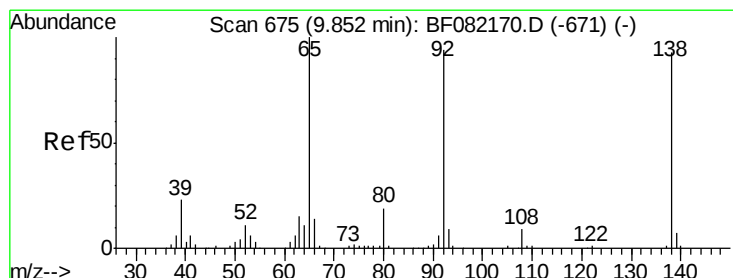
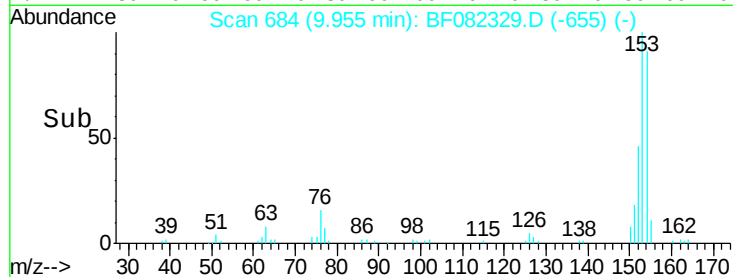
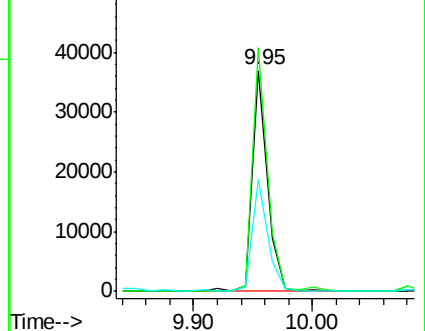
152 50.6 44.3 66.5



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: 2.32 ng

RT: 9.90 min Scan# 679

Delta R.T. 0.05 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

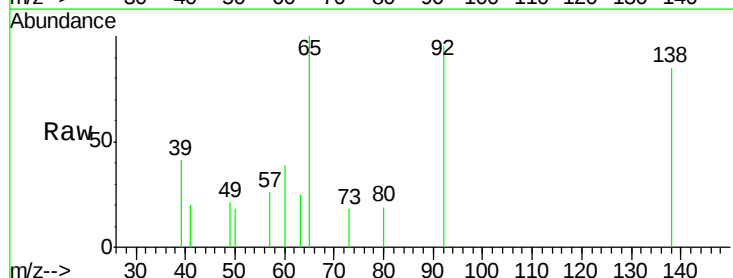
Tgt Ion:138 Resp: 4591

Ion Ratio Lower Upper

138 100

108 0.0 7.4 11.0#

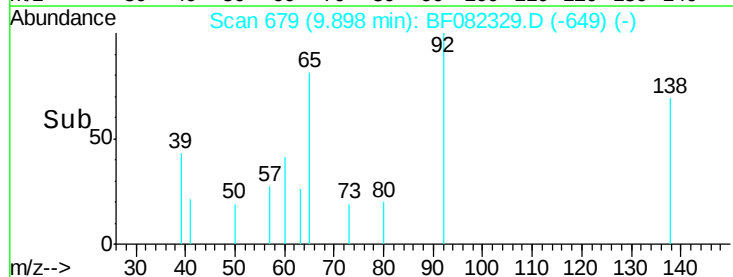
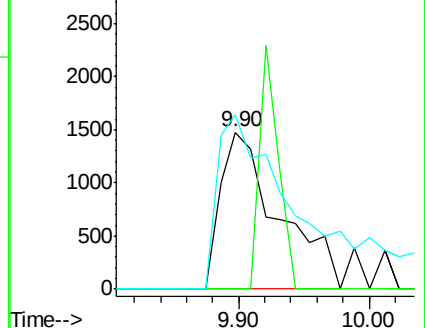
92 111.4 81.3 121.9

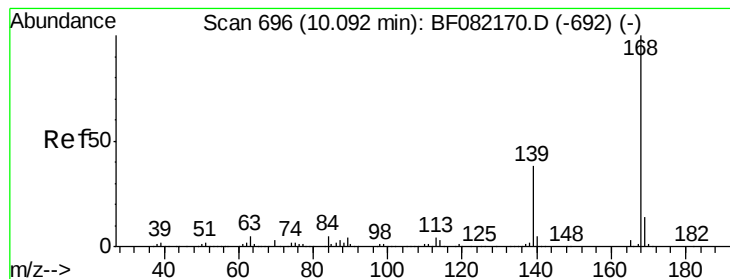


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzenofuran

Concen: 5.05 ng

RT: 10.13 min Scan# 699

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

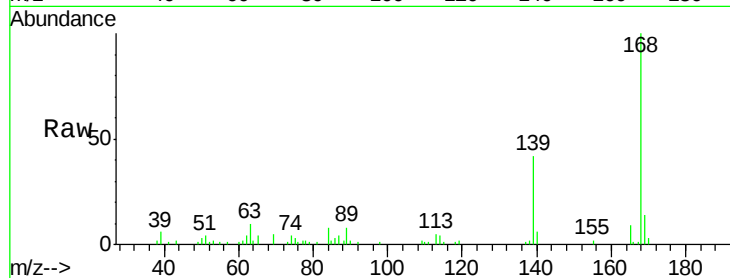
Tot Ion:168 Resp: 45828

Ion Ratio Lower Upper

168 100

139 41.6 31.0 46.6

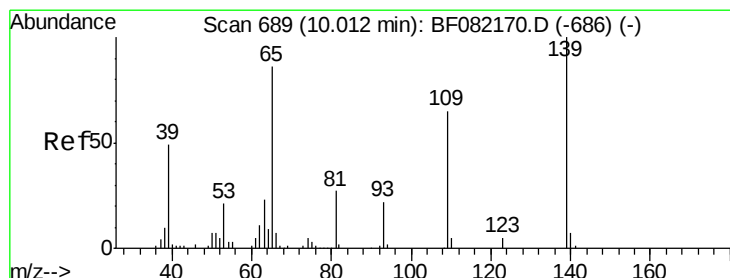
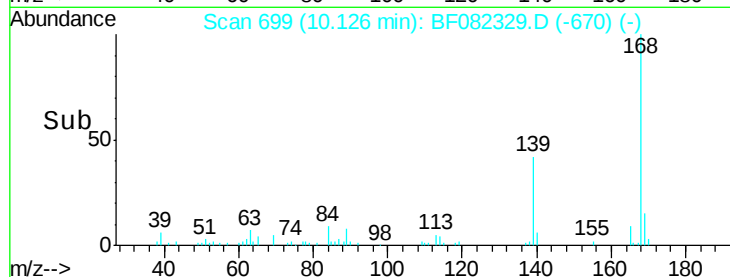
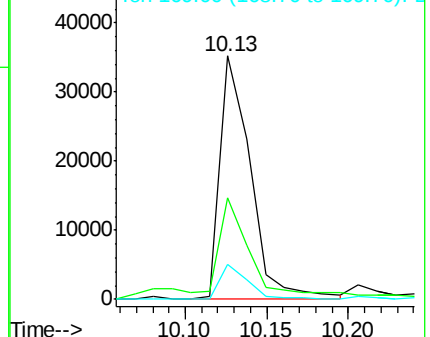
169 14.3 10.9 16.3



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: 26.02 ng

RT: 10.13 min Scan# 699

Delta R.T. 0.10 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

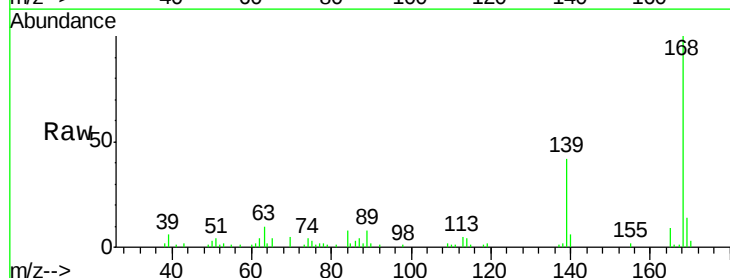
Tgt Ion:139 Resp: 26400

Ion Ratio Lower Upper

139 100

109 5.3 44.8 84.8#

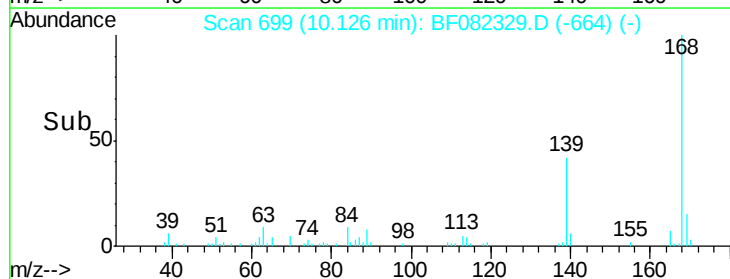
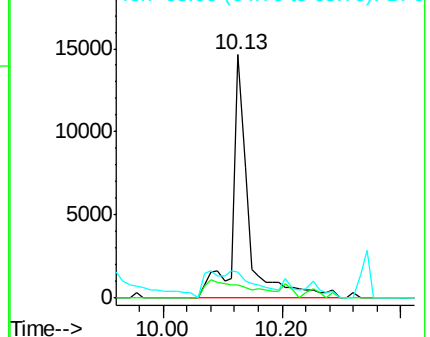
65 10.4 67.7 107.7#

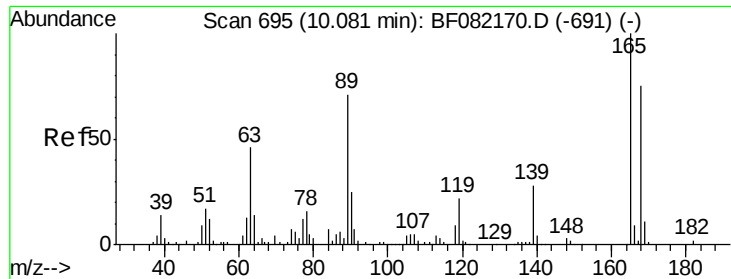


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

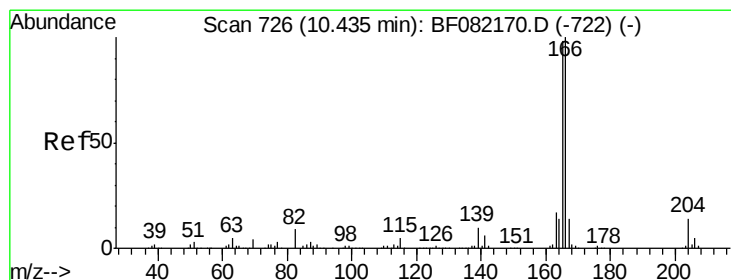
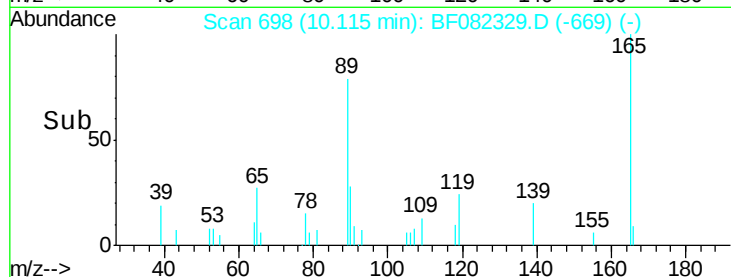
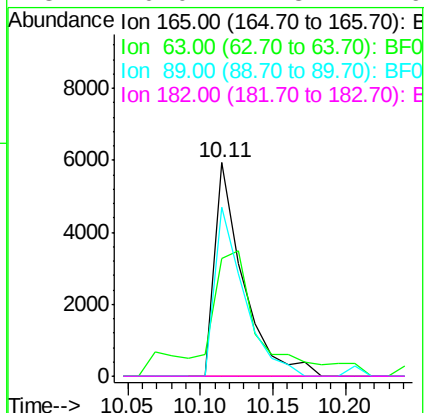
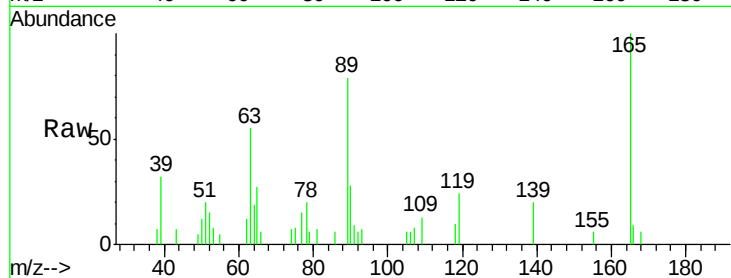




#56
2,4-Dinitrotoluene
Concen: 3.70 ng
RT: 10.11 min Scan# 698
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

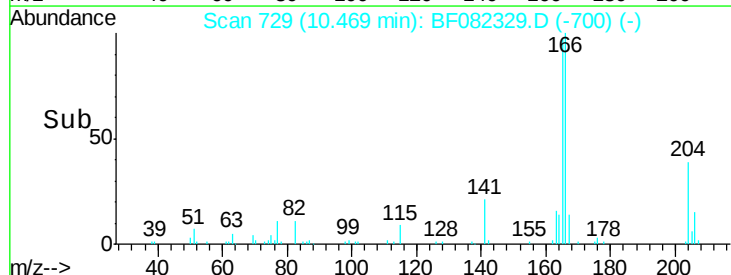
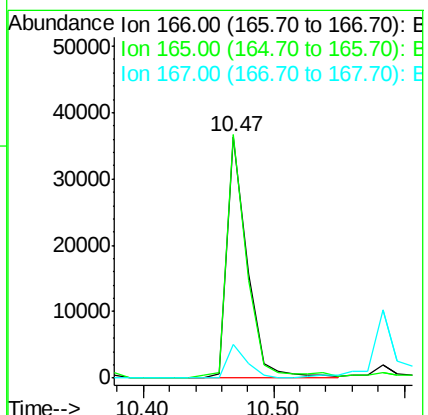
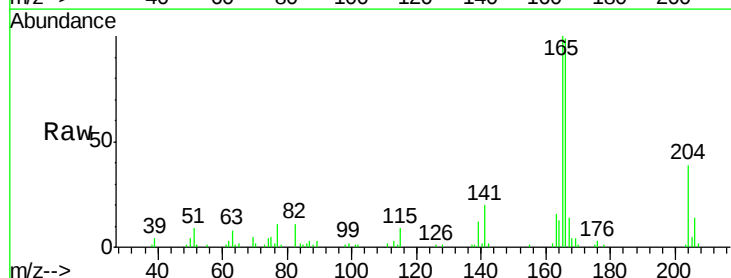
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

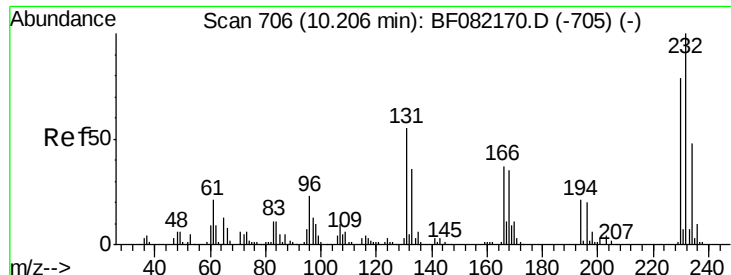
Tot Ion:165 Resp: 8097
Ion Ratio Lower Upper
165 100
63 55.3 38.6 58.0
89 78.8 57.0 85.6
182 0.0 1.8 2.6#



#57
Fluorene
Concen: 5.33 ng
RT: 10.47 min Scan# 729
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:166 Resp: 39746
Ion Ratio Lower Upper
166 100
165 100.7 78.3 117.5
167 13.9 10.8 16.2

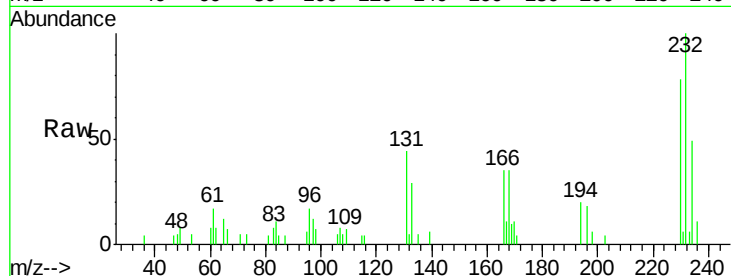




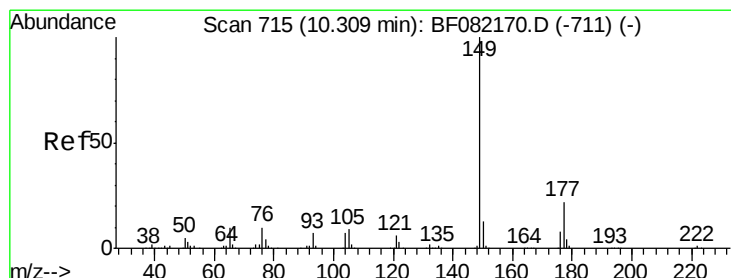
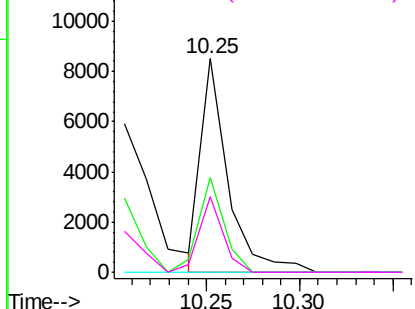
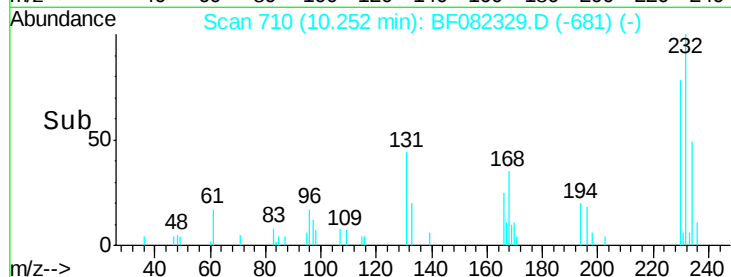
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.15 ng
 RT: 10.25 min Scan# 710
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:232 Resp: 8540
 Ion Ratio Lower Upper
 232 100
 131 41.9 36.6 54.8
 130 0.0 1.5 2.3#
 166 31.1 24.6 37.0

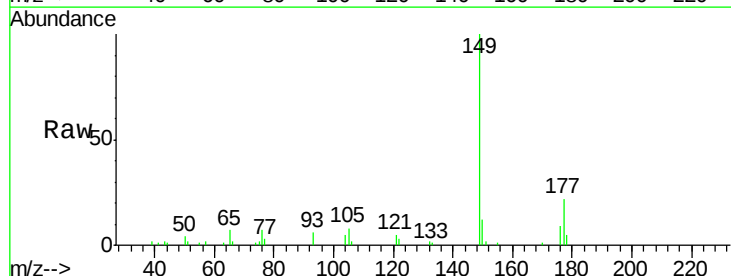


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

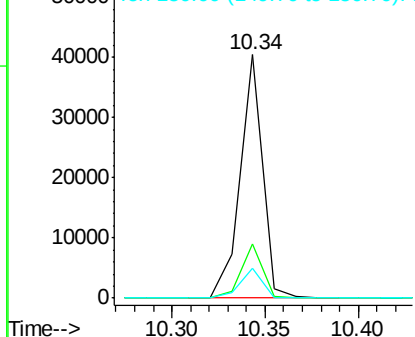
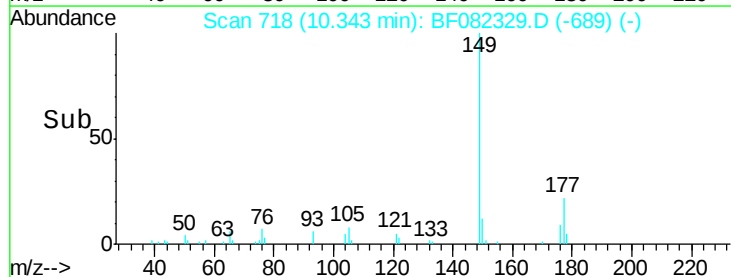


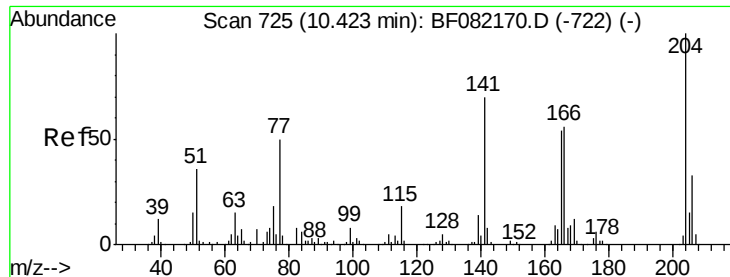
#59
 Diethylphthalate
 Concen: 4.41 ng
 RT: 10.34 min Scan# 718
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:149 Resp: 34072
 Ion Ratio Lower Upper
 149 100
 177 22.1 17.6 26.4
 150 12.3 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

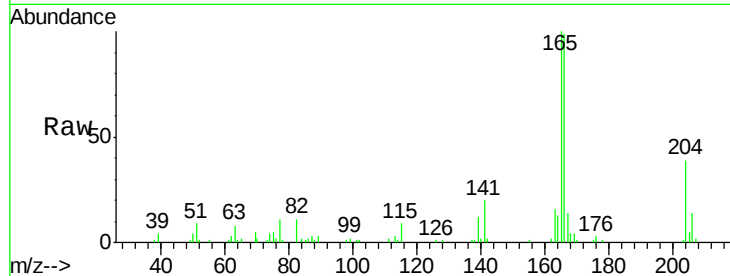




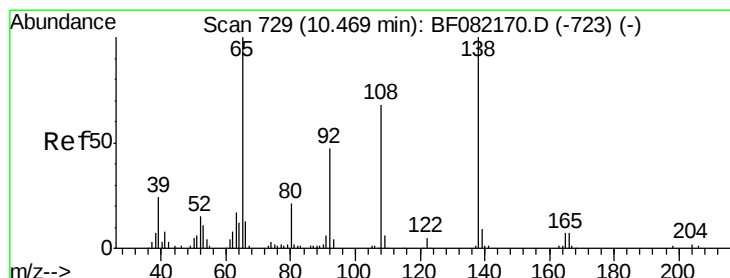
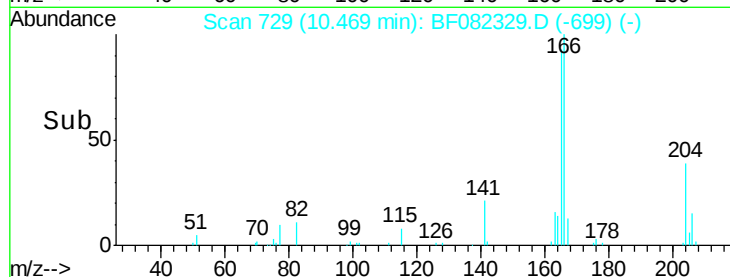
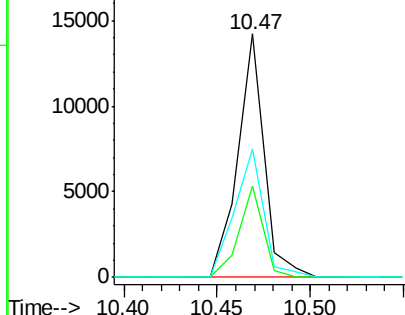
#60
 4-Chlorophenyl-phenylether
 Concen: 4.12 ng
 RT: 10.47 min Scan# 729
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:204 Resp: 14070
 Ion Ratio Lower Upper
 204 100
 206 37.3 26.8 40.2
 141 52.7 56.1 84.1#

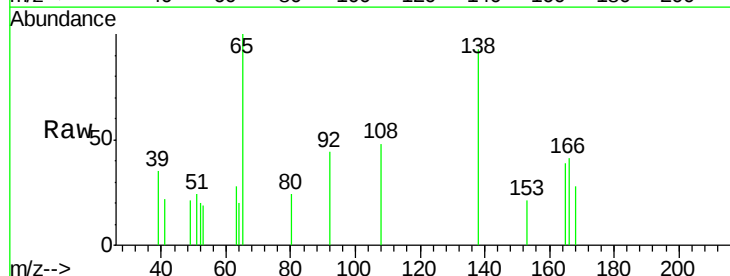


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

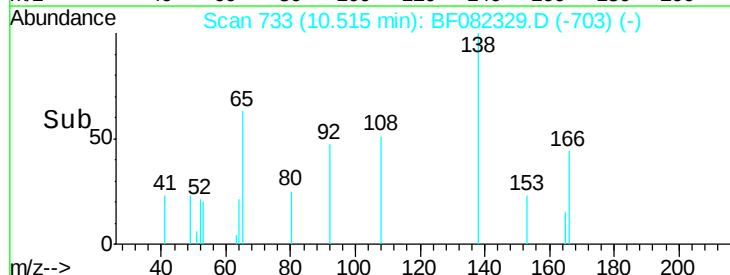
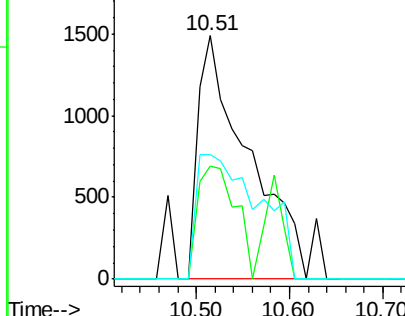


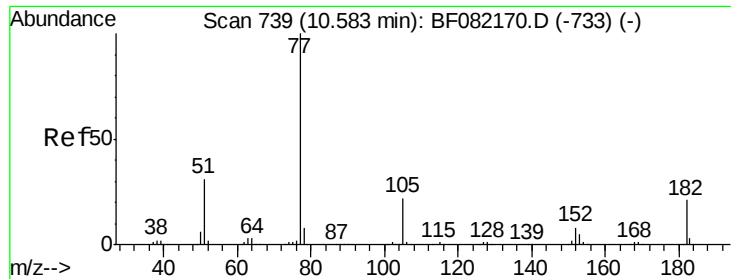
#61
 4-Nitroaniline
 Concen: 3.04 ng
 RT: 10.51 min Scan# 733
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:138 Resp: 5822
 Ion Ratio Lower Upper
 138 100
 92 46.5 26.8 66.8
 108 50.9 48.4 88.4



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

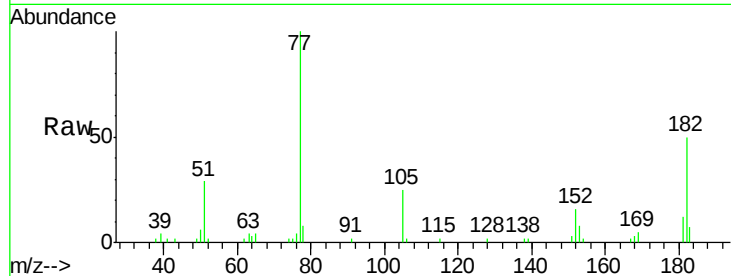




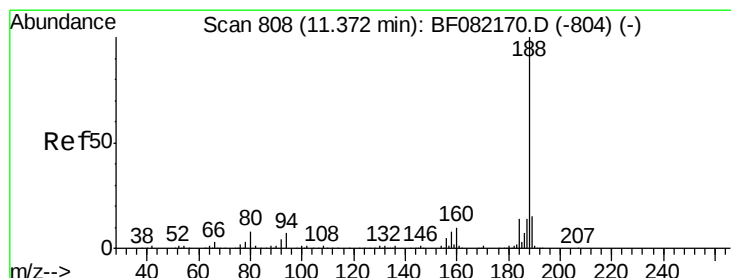
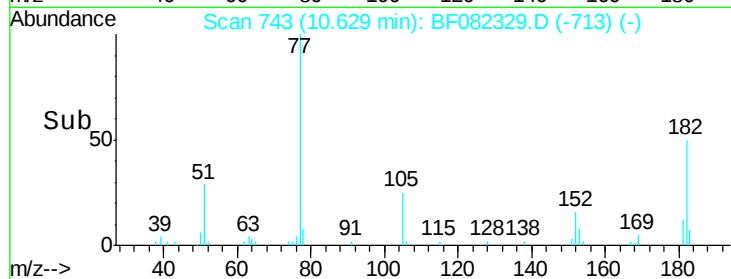
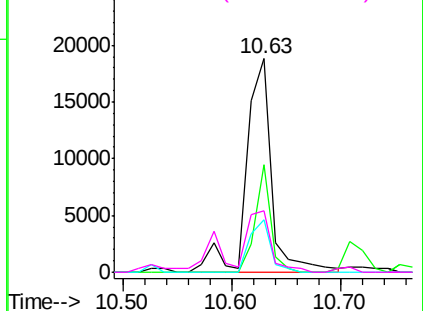
#62
Azobenzene
Concen: 4.01 ng
RT: 10.63 min Scan# 743
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion:	77	Resp:	30352
Ion	Ratio	Lower	Upper
77	100		
182	50.5	0.5	40.5#
105	24.6	1.8	41.8
51	29.1	11.2	51.2

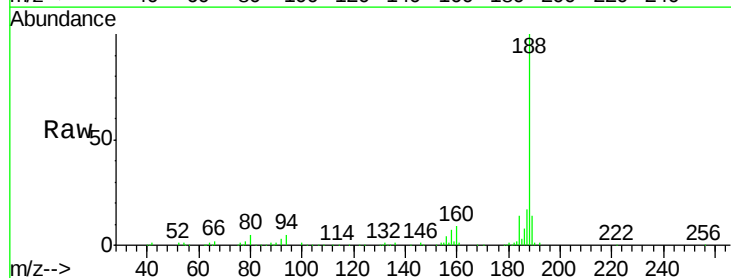


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

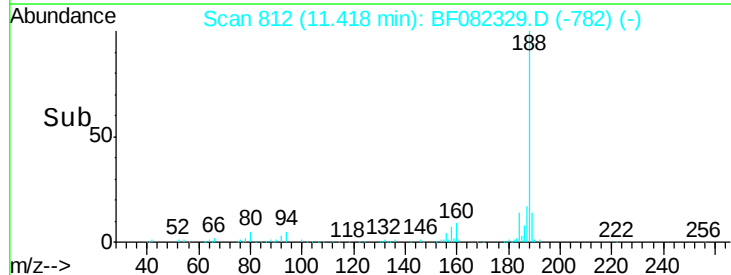
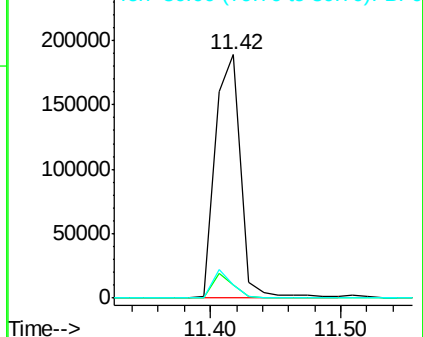


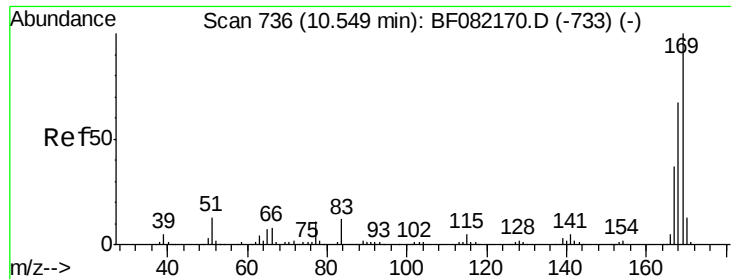
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.05 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:	188	Resp:	258375
Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.8	8.6#
80	5.5	6.4	9.6#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

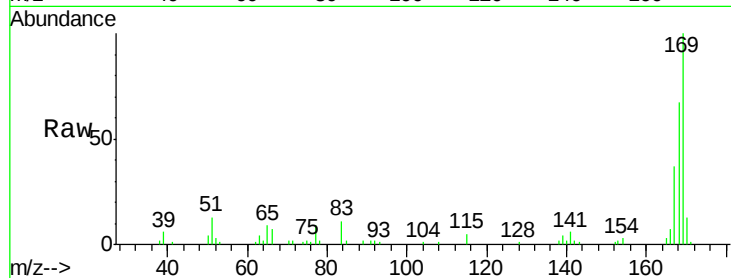




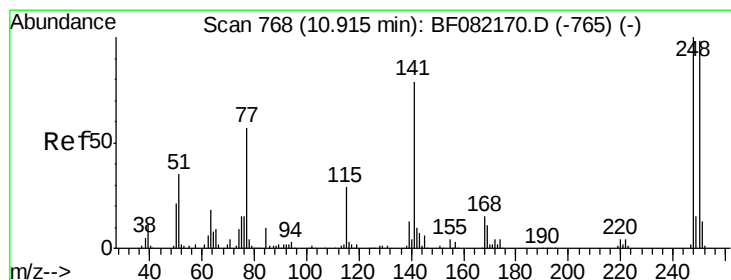
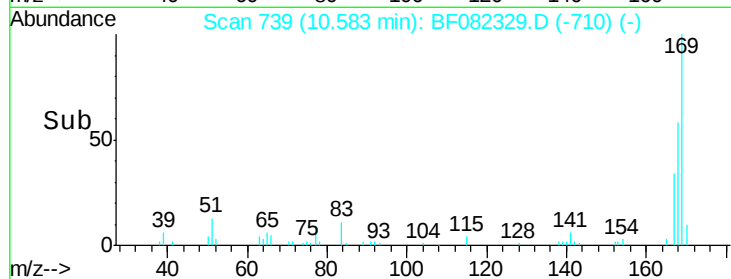
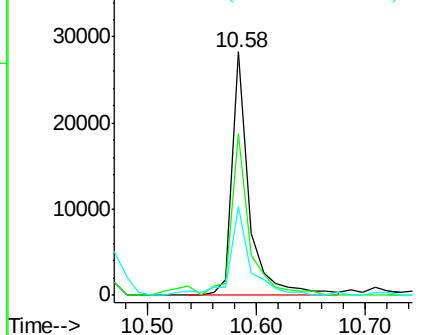
#65
 n-Nitrosodiphenylamine
 Concen: 3.96 ng
 RT: 10.58 min Scan# 739
 Delta R.T. 0.03 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:169 Resp: 30615
 Ion Ratio Lower Upper
 169 100
 168 66.5 54.0 81.0
 167 36.6 29.6 44.4

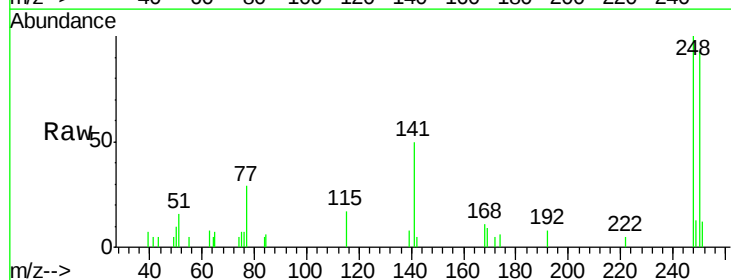


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

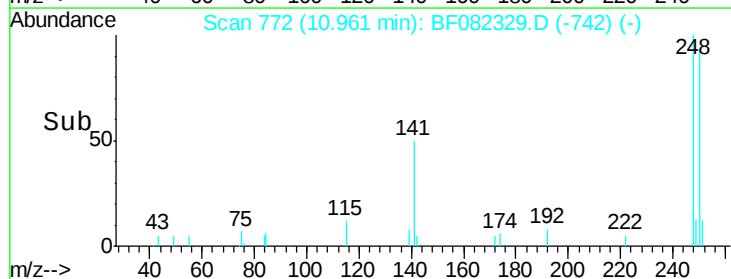
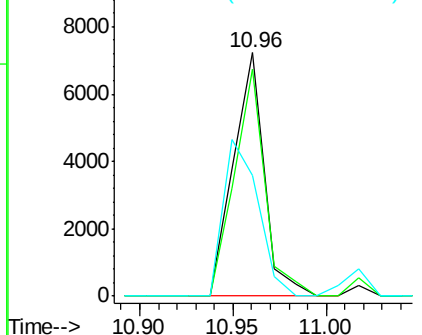


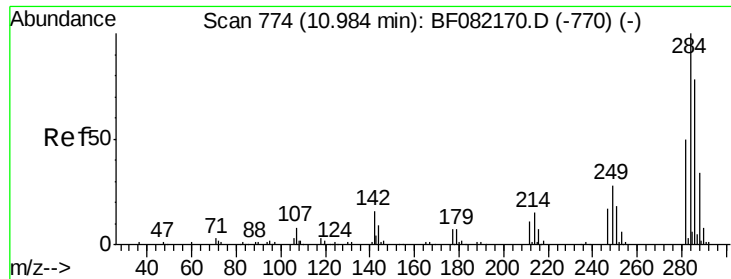
#66
 4-Bromophenyl-phenylether
 Concen: 3.23 ng
 RT: 10.96 min Scan# 772
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:248 Resp: 8353
 Ion Ratio Lower Upper
 248 100
 250 93.2 78.6 117.8
 141 49.6 63.3 94.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

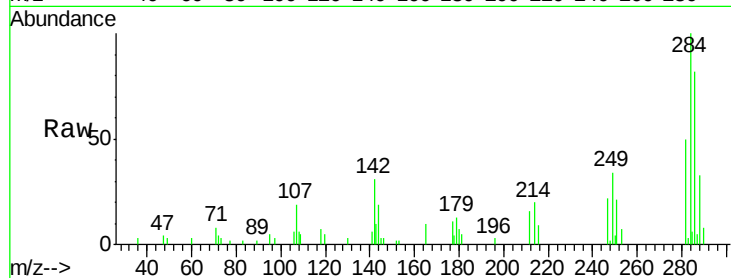




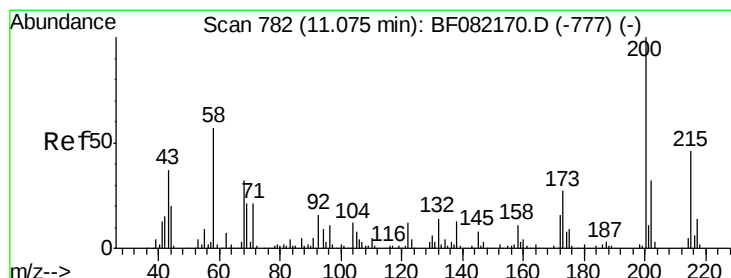
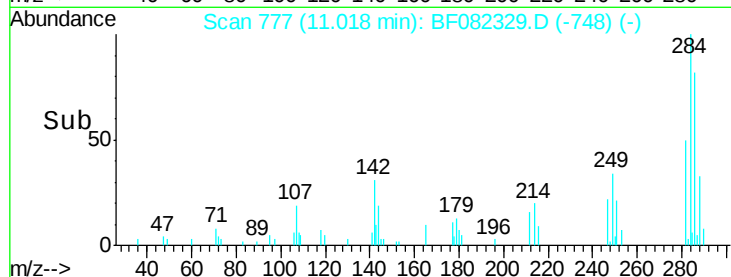
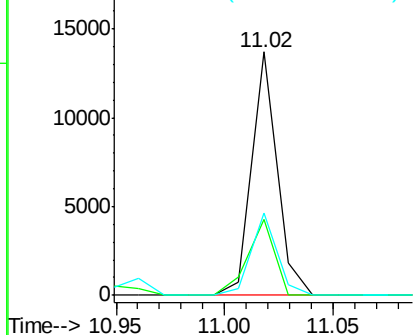
#67
Hexachlorobenzene
Concen: 4.00 ng
RT: 11.02 min Scan# 777
Delta R.T. 0.03 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion:284 Resp: 11197
Ion Ratio Lower Upper
284 100
142 31.3 13.0 19.6#
249 33.9 22.5 33.7#

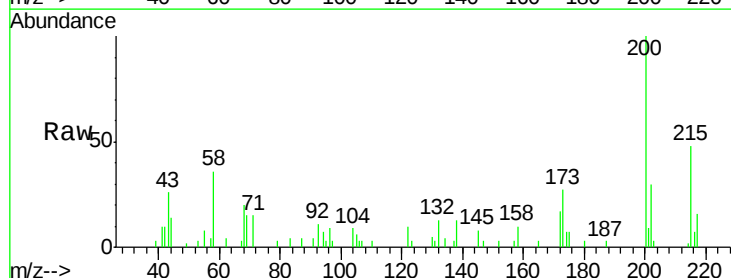


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

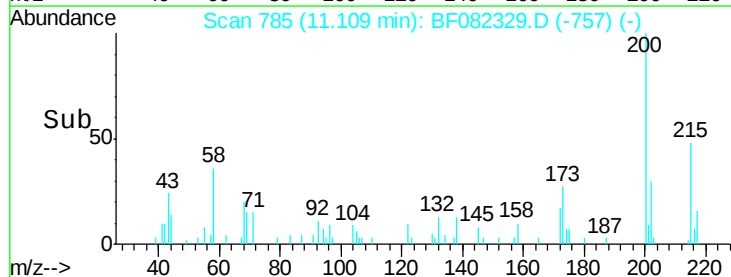
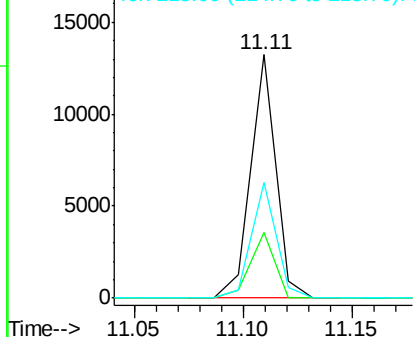


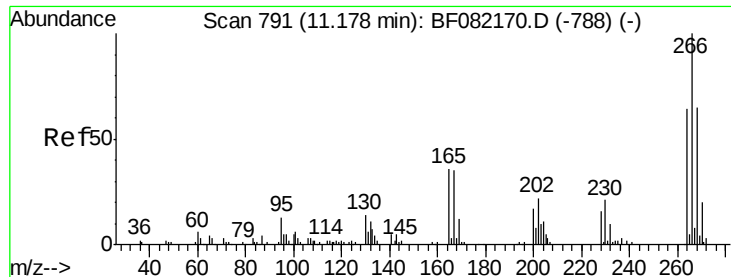
#68
Atrazine
Concen: 4.32 ng
RT: 11.11 min Scan# 785
Delta R.T. 0.02 min
Lab File: BF082329.D
Acq: 16 Oct 2015 16:52

Tgt Ion:200 Resp: 10589
Ion Ratio Lower Upper
200 100
173 26.7 7.3 47.3
215 47.5 26.2 66.2



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

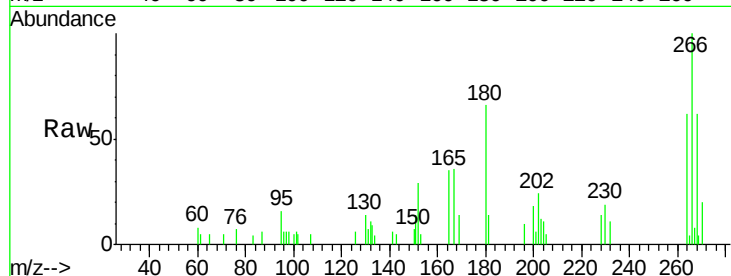




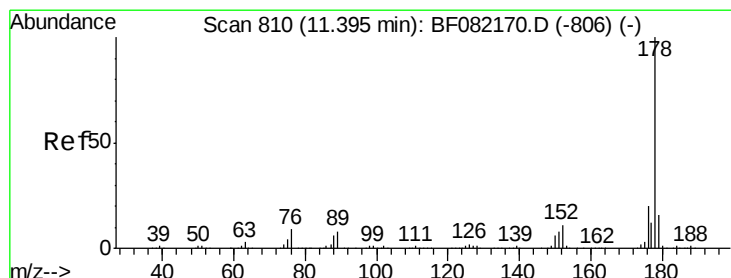
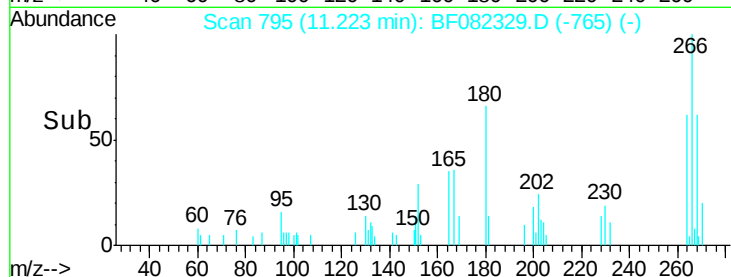
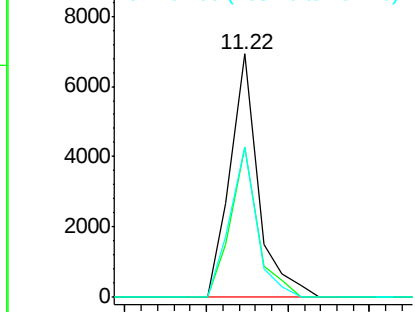
#69
 Pentachlorophenol
 Concen: 5.77 ng
 RT: 11.22 min Scan# 795
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

Tot Ion:266 Resp: 8306
 Ion Ratio Lower Upper
 266 100
 268 61.6 52.0 78.0
 264 61.7 51.4 77.0

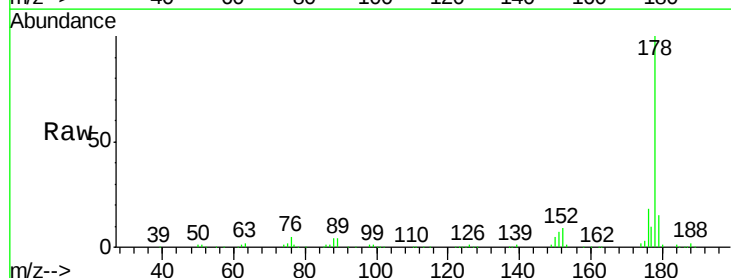


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

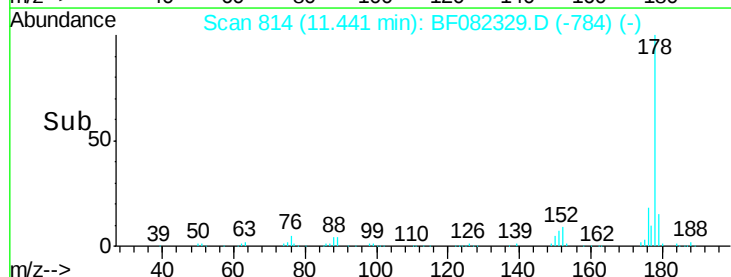
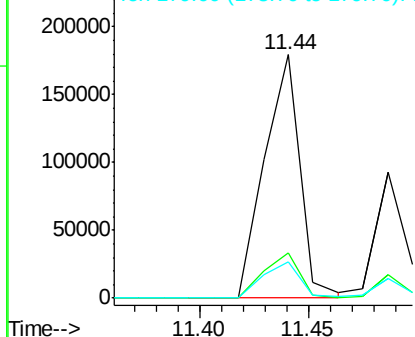


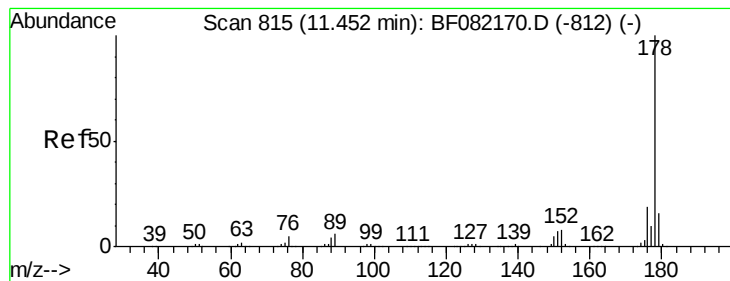
#70
 Phenanthrene
 Concen: 16.18 ng
 RT: 11.44 min Scan# 814
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:178 Resp: 204930
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.0 24.0
 179 14.8 12.6 19.0



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: 7.27 ng

RT: 11.49 min Scan# 818

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

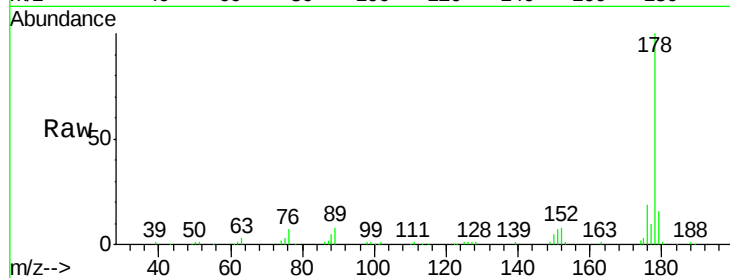
Tot Ion:178 Resp: 94849

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

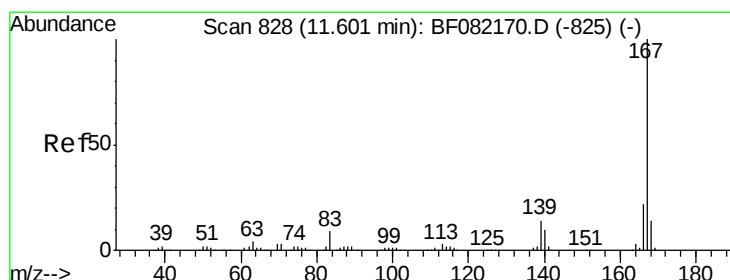
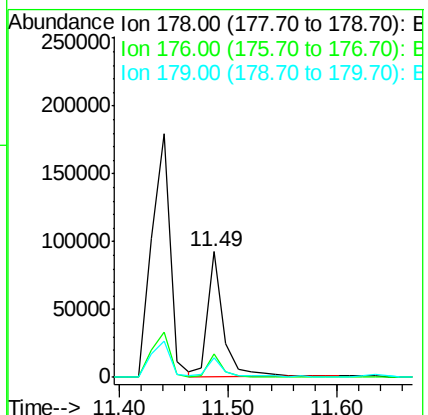
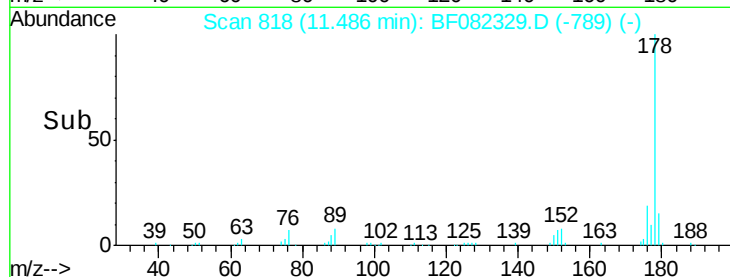
179 15.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 5.56 ng

RT: 11.65 min Scan# 832

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

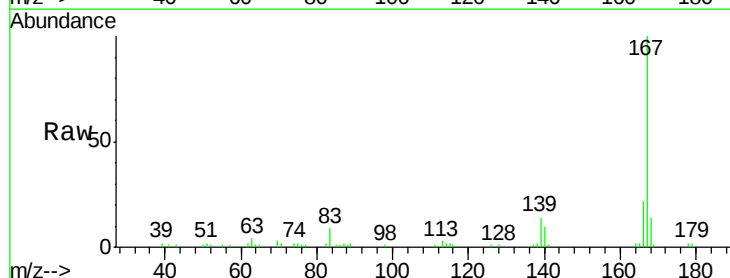
Tgt Ion:167 Resp: 66174

Ion Ratio Lower Upper

167 100

166 22.0 17.3 25.9

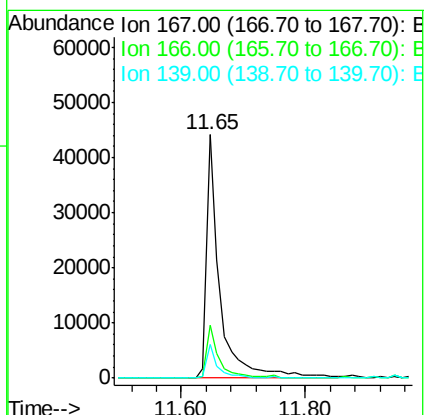
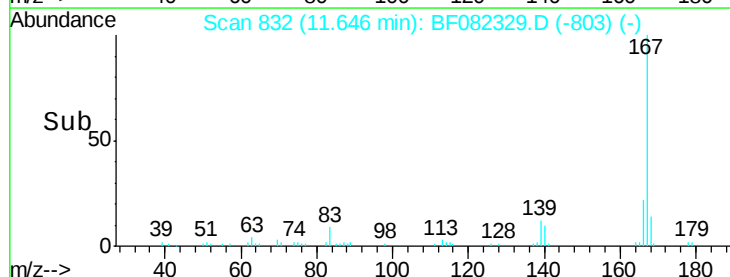
139 13.9 11.2 16.8

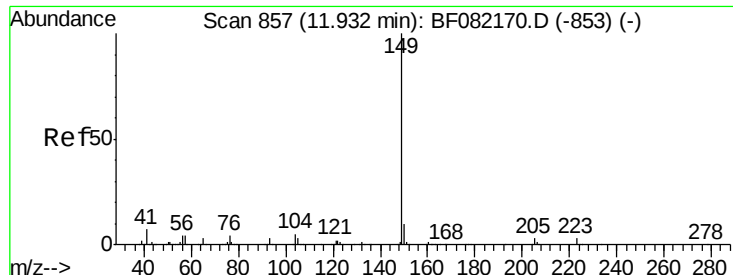


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 3.97 ng

RT: 11.97 min Scan# 860

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

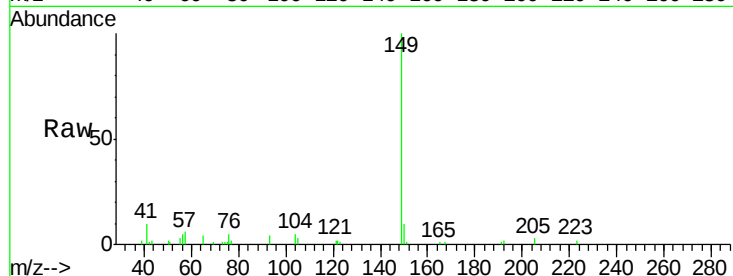
Tot Ion:149 Resp: 58249

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

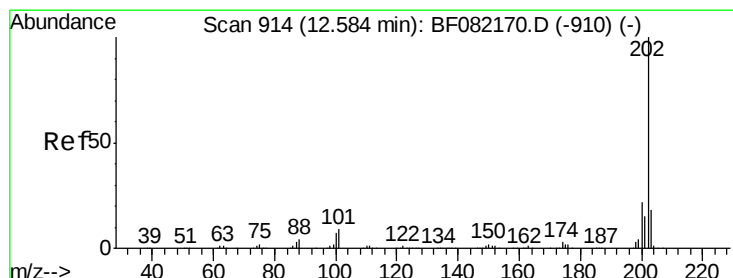
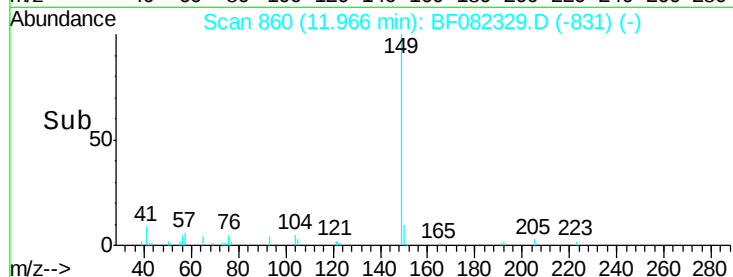
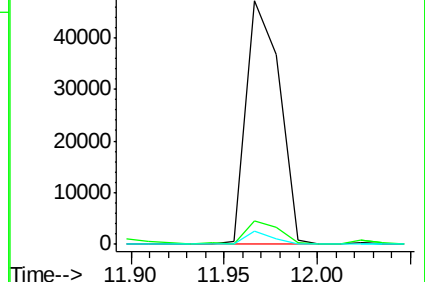
104 5.3 3.8 5.8



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: 22.34 ng

RT: 12.63 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

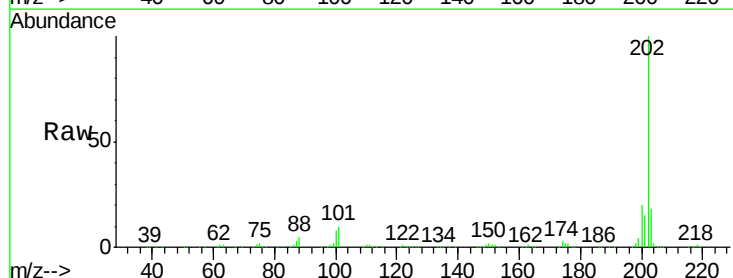
Tgt Ion:202 Resp: 303893

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

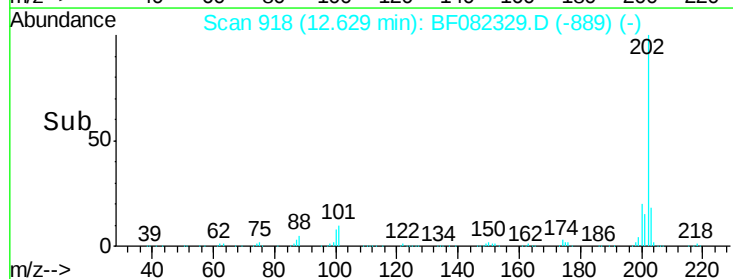
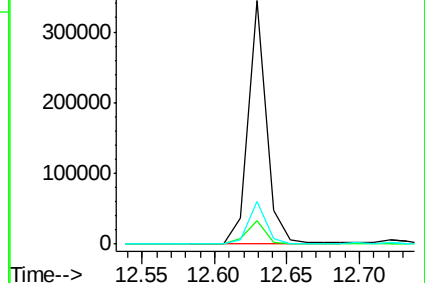
203 17.7 0.0 37.8

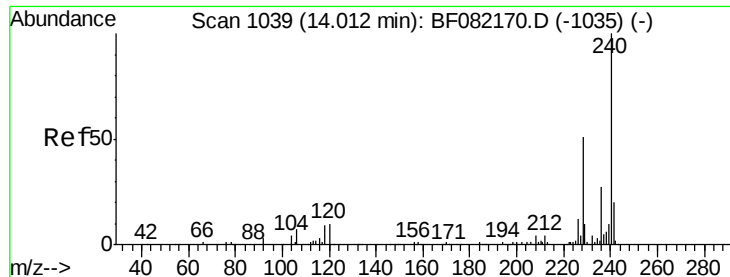


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 1050

Delta R.T. 0.07 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

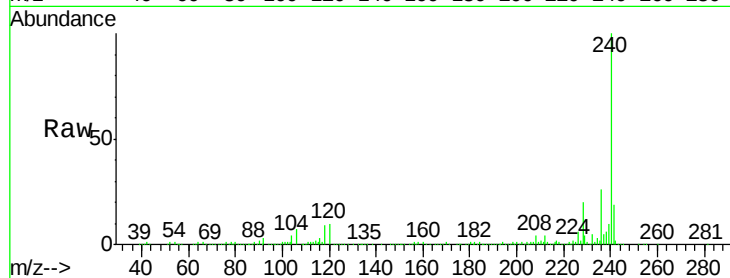
Tot Ion:240 Resp: 258150

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

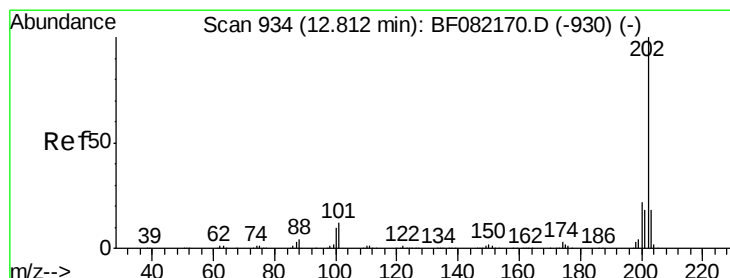
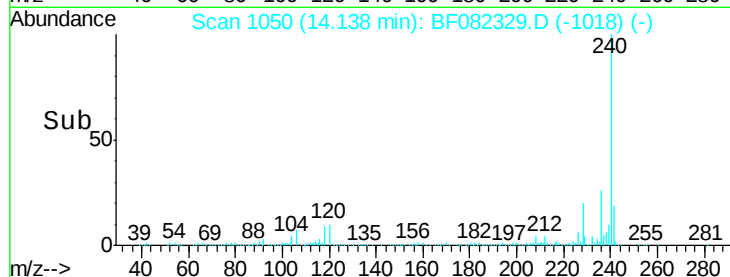
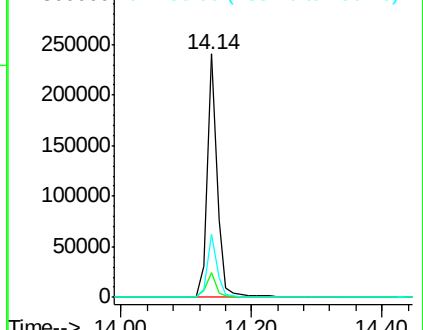
236 26.1 21.3 31.9



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



#77

Pyrene

Concen: 18.17 ng

RT: 12.86 min Scan# 938

Delta R.T. 0.03 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

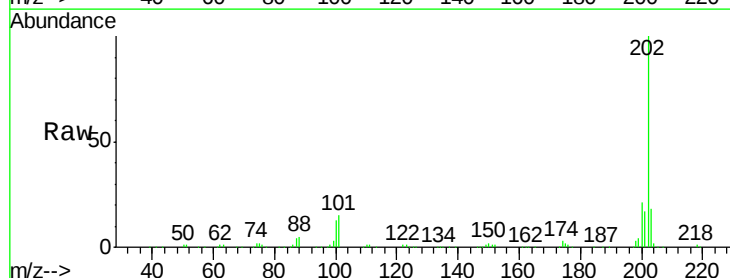
Tgt Ion:202 Resp: 278389

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

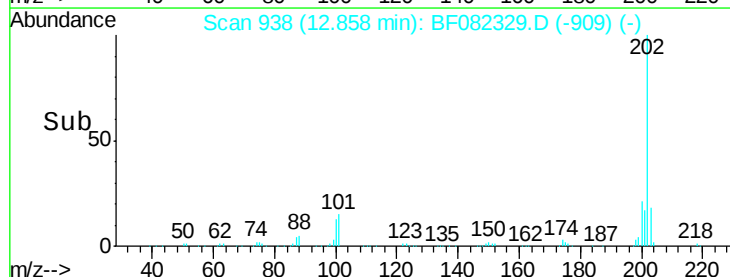
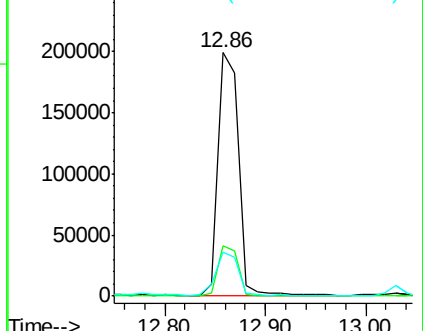
203 18.1 14.5 21.7

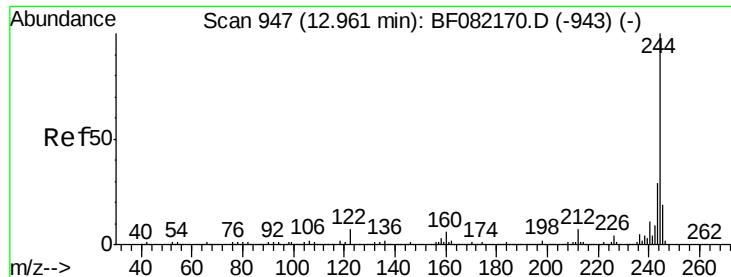


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

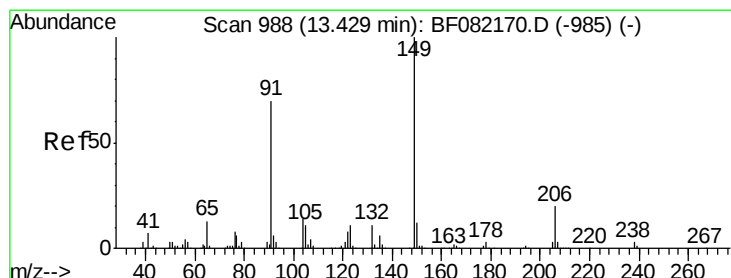
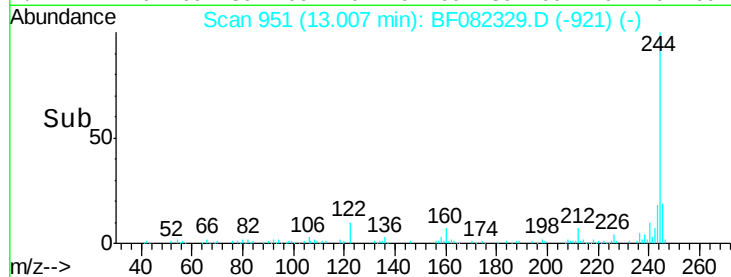
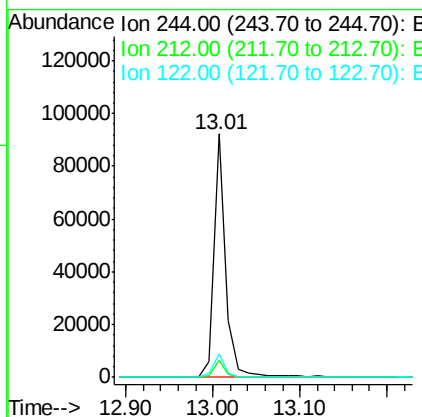
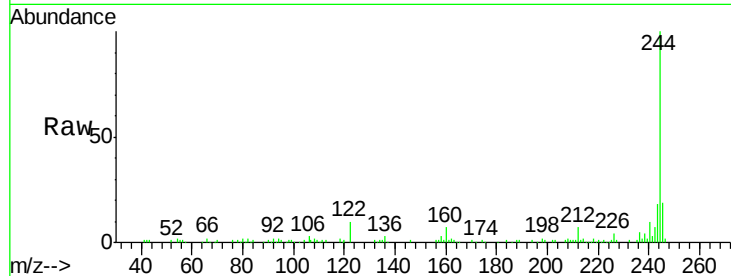




#78
 Terphenyl-d14
 Concen: 9.08 ng
 RT: 13.01 min Scan# 951
 Delta R.T. 0.05 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

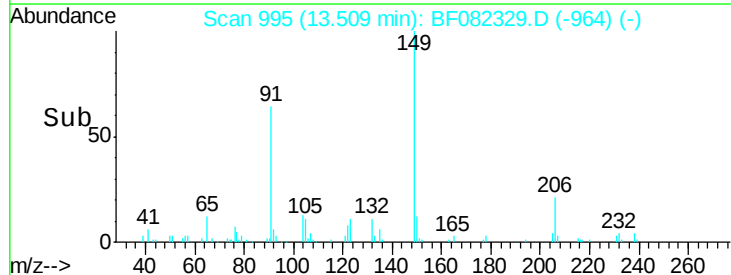
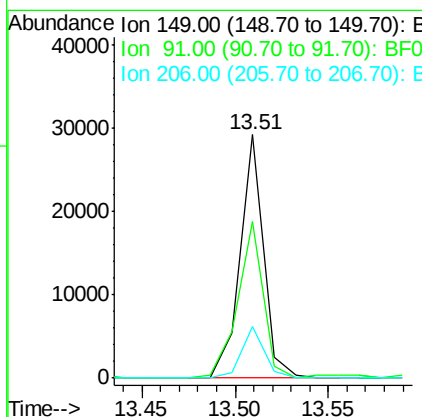
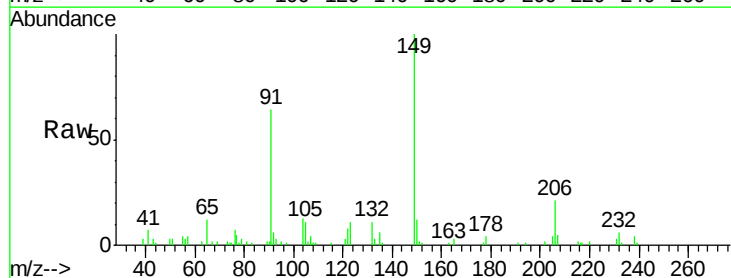
Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015MSD

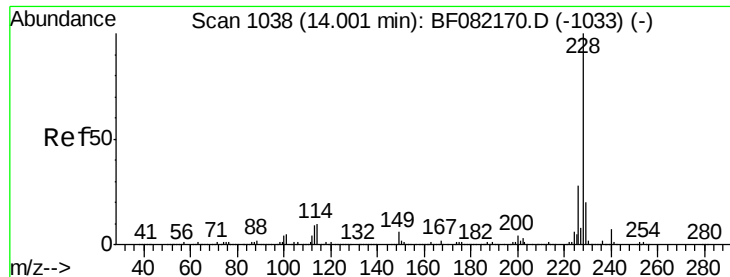
Tot Ion:244 Resp: 88413
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.7 5.9 8.9#



#79
 Butylbenzylphthalate
 Concen: 3.67 ng
 RT: 13.51 min Scan# 995
 Delta R.T. 0.06 min
 Lab File: BF082329.D
 Acq: 16 Oct 2015 16:52

Tgt Ion:149 Resp: 25664
 Ion Ratio Lower Upper
 149 100
 91 64.4 55.7 83.5
 206 21.3 15.6 23.4





#80

Benzo(a)anthracene

Concen: 12.27 ng

RT: 14.13 min Scan# 1049

Delta R.T. 0.07 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

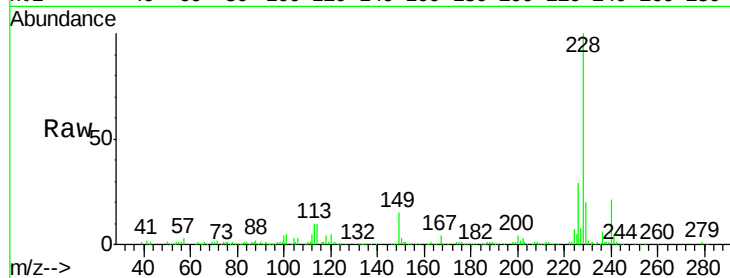
Tot Ion:228 Resp: 164774

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

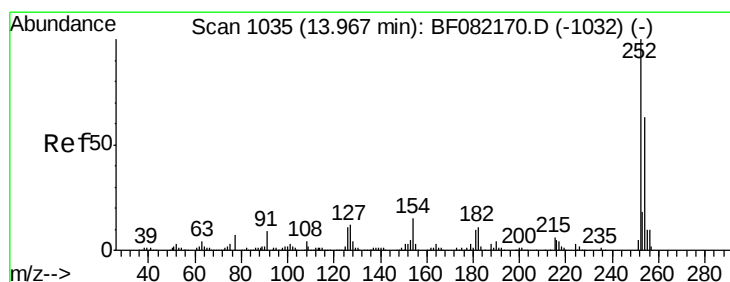
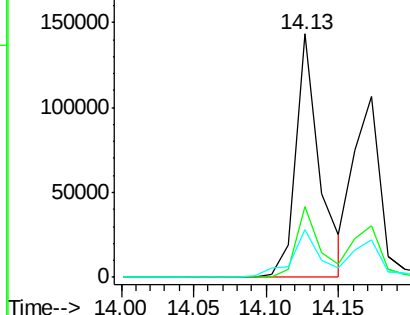
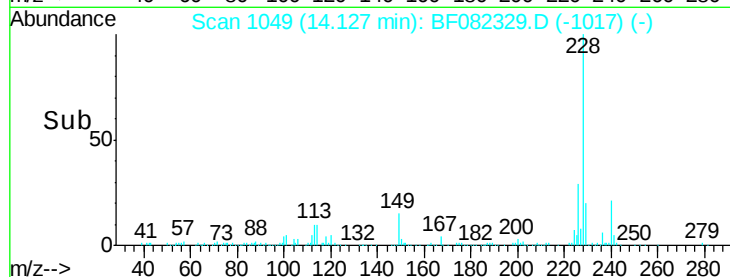
229 19.5 16.2 24.2



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: 2.17 ng

RT: 14.09 min Scan# 1046

Delta R.T. 0.07 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

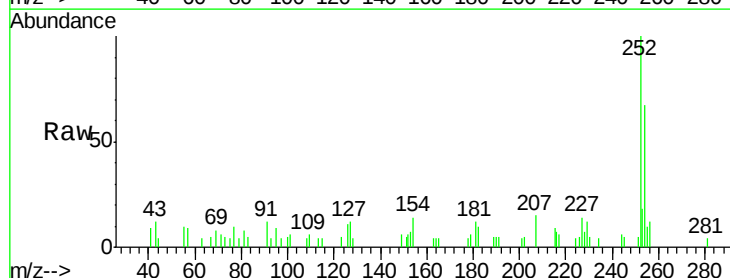
Tgt Ion:252 Resp: 11051

Ion Ratio Lower Upper

252 100

254 66.9 50.7 76.1

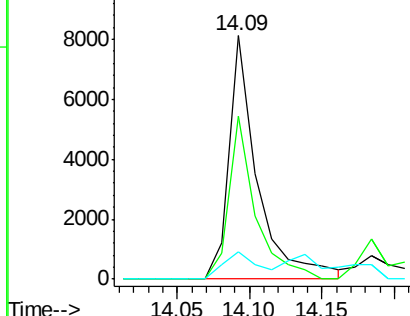
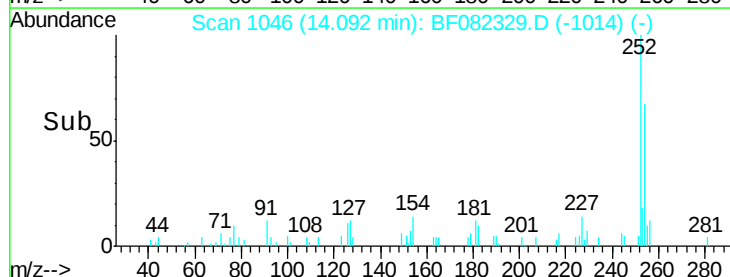
126 11.0 9.0 13.6

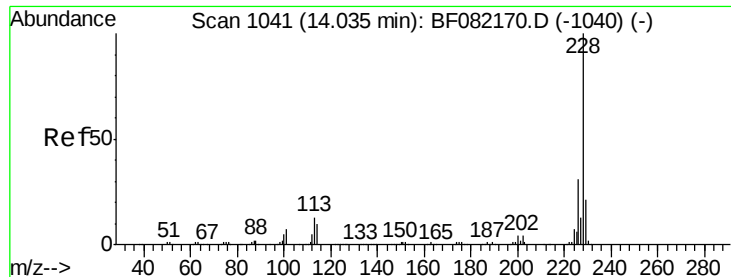


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrvsene

Concen: 9.96 ng

RT: 14.17 min Scan# 1053

Delta R.T. 0.08 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

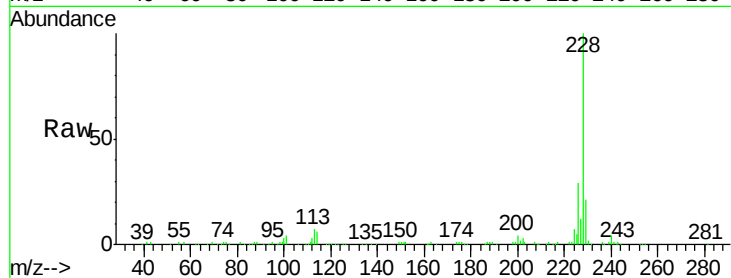
Tot Ion:228 Resp: 140960

Ion Ratio Lower Upper

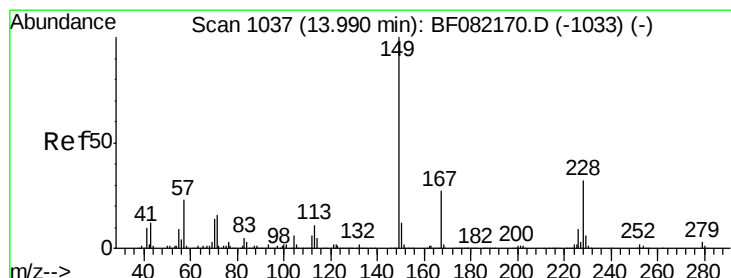
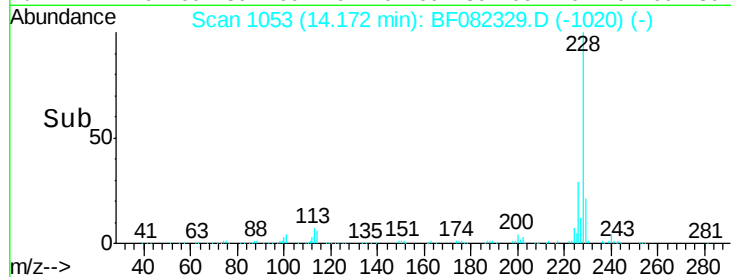
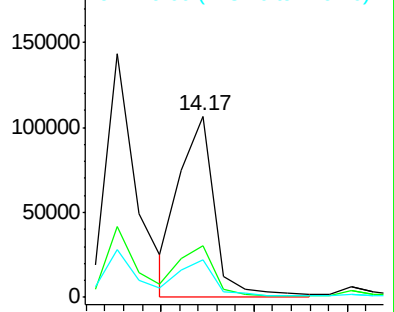
228 100

226 28.9 24.4 36.6

229 20.7 16.3 24.5



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: 7.29 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.08 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

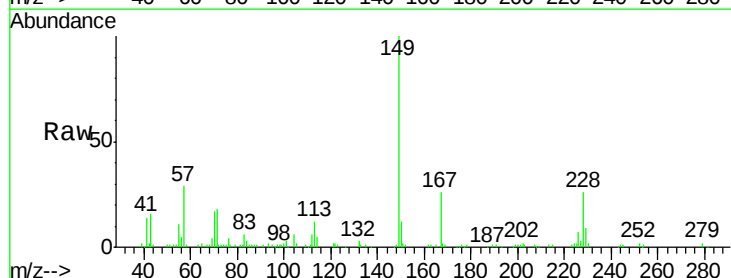
Tgt Ion:149 Resp: 72669

Ion Ratio Lower Upper

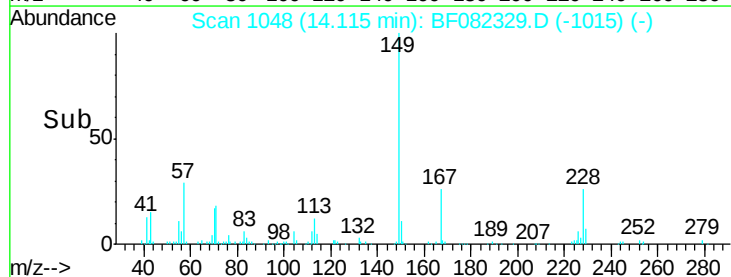
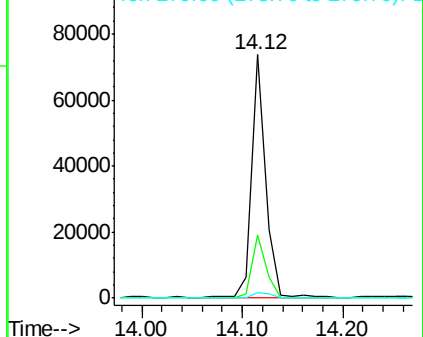
149 100

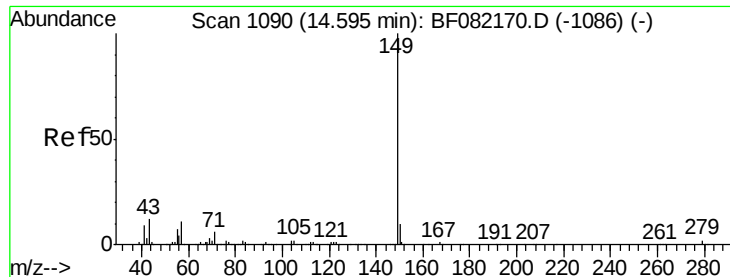
167 26.1 21.3 31.9

279 2.5 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.50 ng

RT: 14.82 min Scan# 1110

Delta R.T. 0.10 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

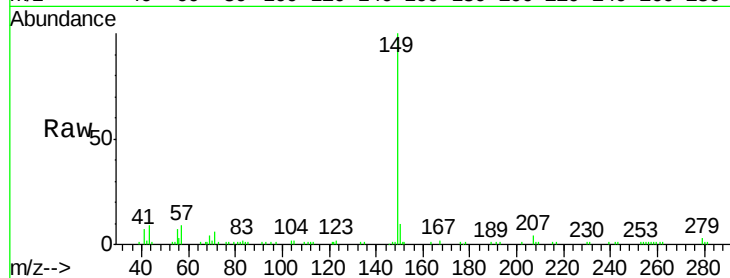
Tot Ion:149 Resp: 59926

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

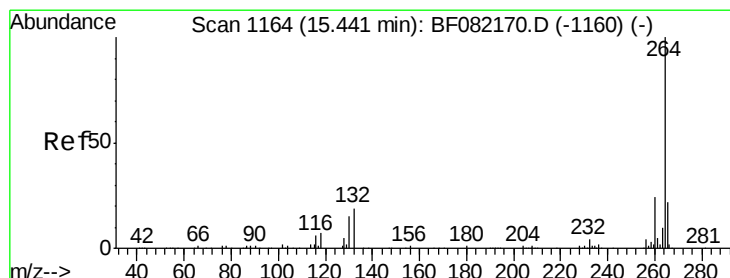
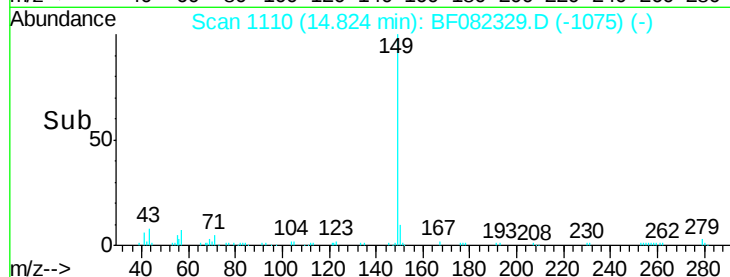
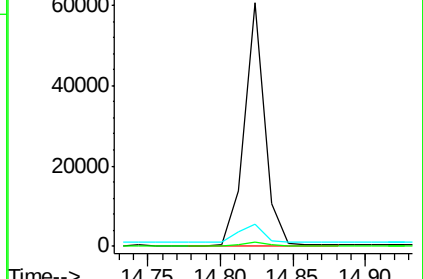
43 10.0 7.4 11.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.73 min Scan# 1189

Delta R.T. 0.14 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

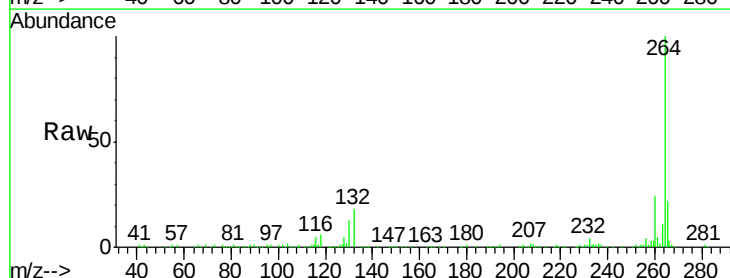
Tgt Ion:264 Resp: 229036

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

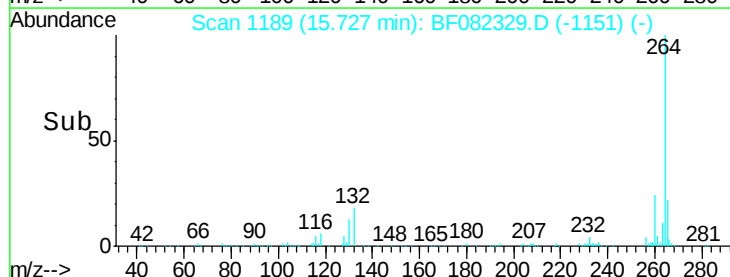
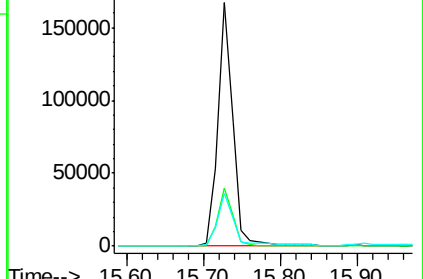
265 21.9 17.3 25.9

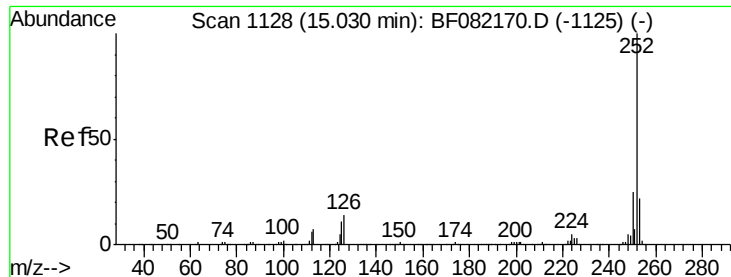


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.07 ng

RT: 15.29 min Scan# 1151

Delta R.T. 0.13 min

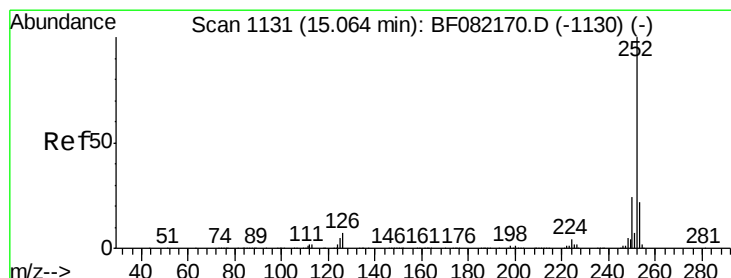
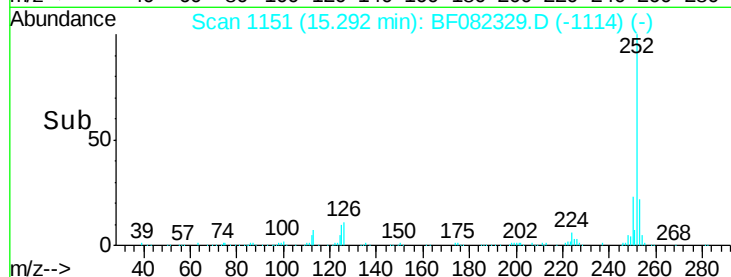
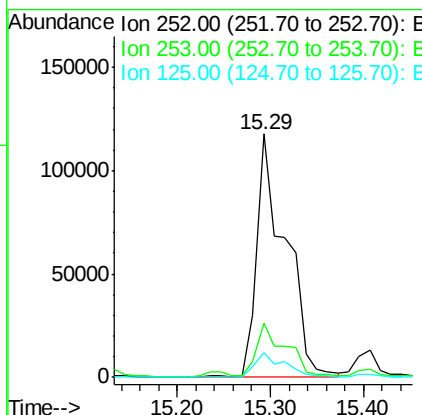
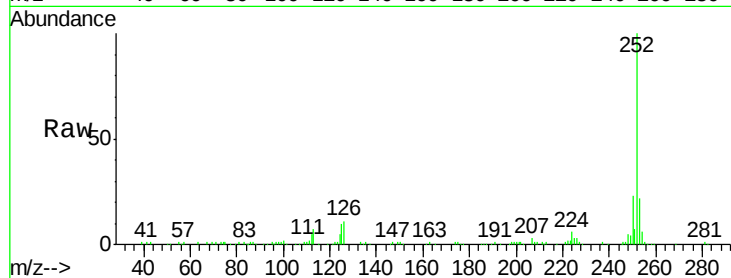
Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015MSD

Tot Ion:252 Resp: 251863

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.0	8.6	12.8



#88

Benzo(k)fluoranthene

Concen: 21.50 ng

RT: 15.29 min Scan# 1151

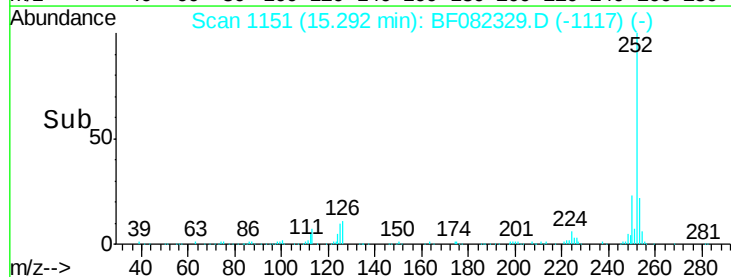
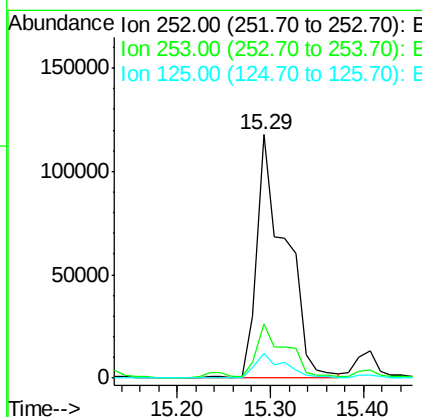
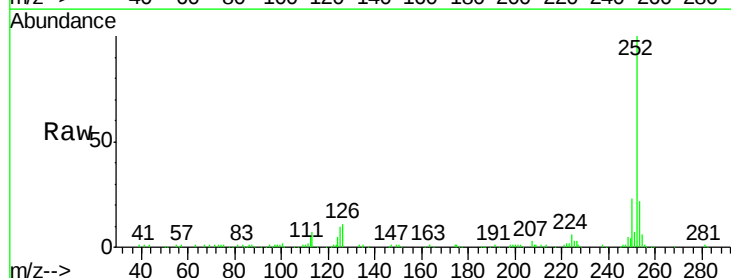
Delta R.T. 0.09 min

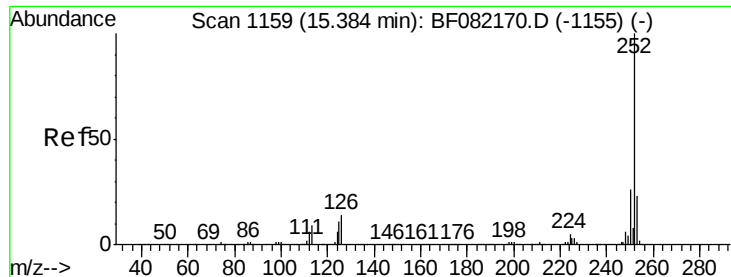
Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Tgt Ion:252 Resp: 251863

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.0	6.7	10.1





#89

Benzo(a)pyrene

Concen: 10.33 ng

RT: 15.66 min Scan# 1183

Delta R.T. 0.13 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

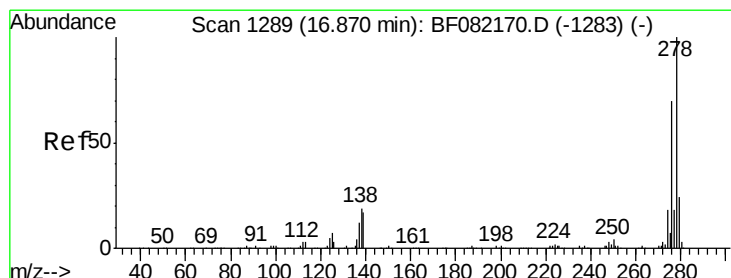
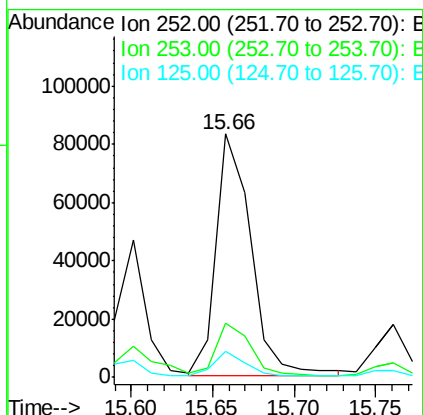
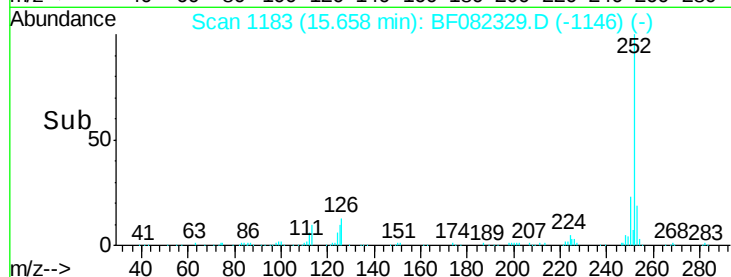
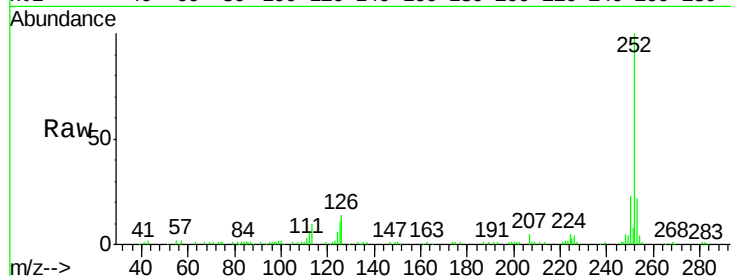
Tot Ion:252 Resp: 123704

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

125 10.8 8.9 13.3



#90

Dibenzo(a,h)anthracene

Concen: 4.67 ng

RT: 17.21 min Scan# 1319

Delta R.T. 0.16 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

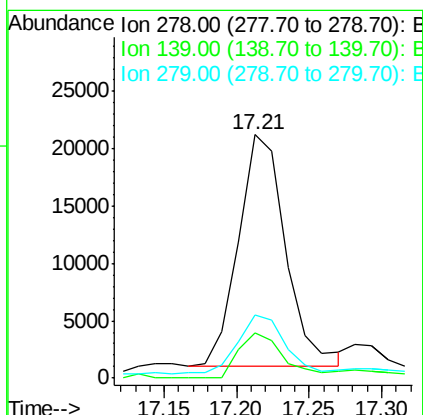
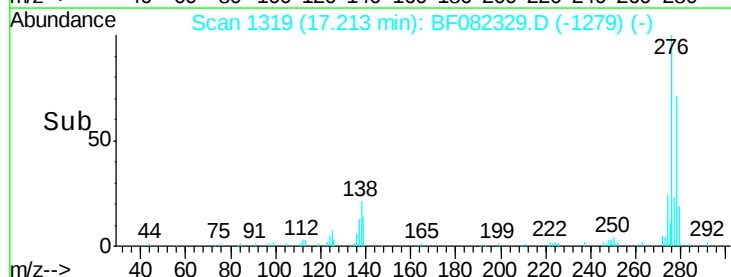
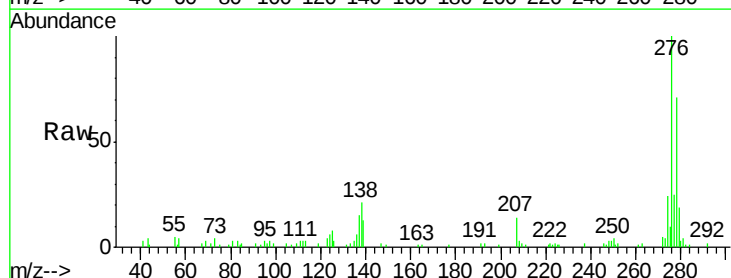
Tgt Ion:278 Resp: 45796

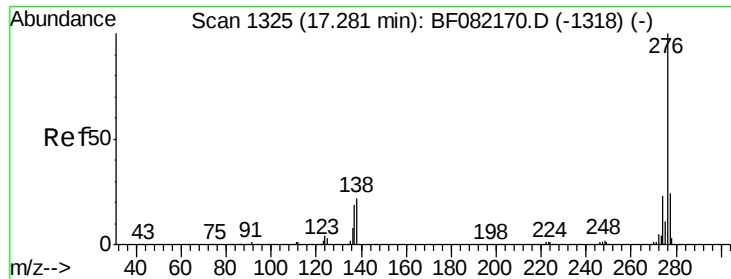
Ion Ratio Lower Upper

278 100

139 18.6 13.3 19.9

279 26.2 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 9.48 ng

RT: 17.65 min Scan# 1357

Delta R.T. 0.18 min

Lab File: BF082329.D

Acq: 16 Oct 2015 16:52

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015MSD

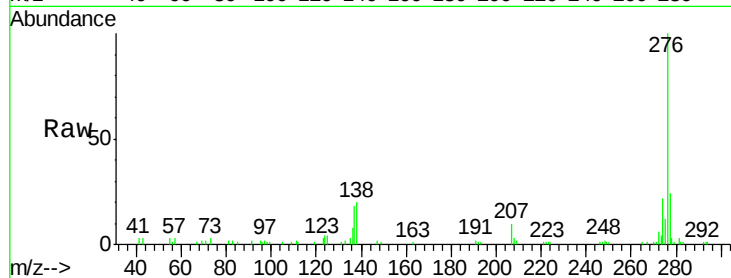
Tot Ion:276 Resp: 90381

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 19.6 17.4 26.2



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

