

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081838.D
 Acq On : 26 Sep 2015 20:27
 Operator : UM/IZ
 Sample : G3779-04
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-20

Quant Time: Sep 28 03:19:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	120657	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	424029	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	208782	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	257279	20.00	ng	0.01
75) Chrysene-d12	14.15	240	182005	20.00	ng	0.03
86) Perylene-d12	15.62	264	275229	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	888173	124.53	ng	0.00
7) Phenol-d6	6.56	99	1144354	126.85	ng	-0.01
23) Nitrobenzene-d5	7.51	82	712832	110.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	217249	119.85	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	968376	76.14	ng	-0.01
78) Terphenyl-d14	13.06	244	673573	84.54	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.57	94	24634	2.35	ng	# 1
18) Hexachloroethane	7.51	117	9262	3.02	ng	# 9
19) n-Nitroso-di-n-propylamine	7.51	70	101812	16.93	ng	# 57
20) 3+4-Methylphenols	7.34	107	46525	5.58	ng	# 91
27) 2,4-Dimethylphenol	7.87	122	16632	2.58	ng	# 85
31) Naphthalene	8.26	128	4470995	228.56	ng	# 91
32) Benzoic acid	8.01	122	18416	14.65	ng	# 26
33) 4-Chloroaniline	8.26	127	678541	79.04	ng	# 35
37) 2-Methylnaphthalene	8.95	142	1212256	86.96	ng	# 89
45) 1,1'-Biphenyl	9.41	154	504687	30.92	ng	# 95
48) Acenaphthylene	9.84	152	357081	16.07	ng	# 94
49) Dimethylphthalate	9.70	163	299875	18.88	ng	# 97
50) 2,6-Dinitrotoluene	9.70	165	6500	2.12	ng	# 11
51) Acenaphthene	10.02	154	1252911	97.83	ng	# 88
54) Dibenzofuran	10.19	168	1841506	98.02	ng	# 83
55) 4-Nitrophenol	10.19	139	745944	325.23	ng	# 27
56) 2,4-Dinitrotoluene	10.14	165	17112	4.66	ng	# 62
57) Fluorene	10.54	166	1352151	93.79	ng	# 91
59) Diethylphthalate	10.40	149	74726	4.86	ng	# 99
61) 4-Nitroaniline	10.54	138	16231	5.02	ng	# 47
64) 4,6-Dinitro-2-methylphenol	10.78	198	633	9.13	ng	# 1
65) n-Nitrosodiphenylamine	10.66	169	33628	3.88	ng	# 1
70) Phenanthrene	11.54	178	9129841	620.69	ng	# 87
71) Anthracene	11.54	178	9129841	644.14	ng	# 87
72) Carbazole	11.73	167	2847665	216.42	ng	# 90
74) Fluoranthene	12.73	202	9407962	634.74	ng	# 85
77) Pyrene	12.97	202	7701907	561.29	ng	# 85
80) Benzo(a)anthracene	14.14	228	5651419	512.08	ng	# 87
82) Chrysene	14.18	228	2899682	273.96	ng	# 83
83) Bis(2-ethylhexyl)phthalate	14.10	149	18904	2.85	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.14	276	2813082	290.31	ng	# 83
87) Benzo(b)fluoranthene	15.21	252	7603027	465.83	ng	# 85
88) Benzo(k)fluoranthene	15.21	252	7603027	483.61	ng	# 86
89) Benzo(a)pyrene	15.59	252	3537584	240.06	ng	# 82

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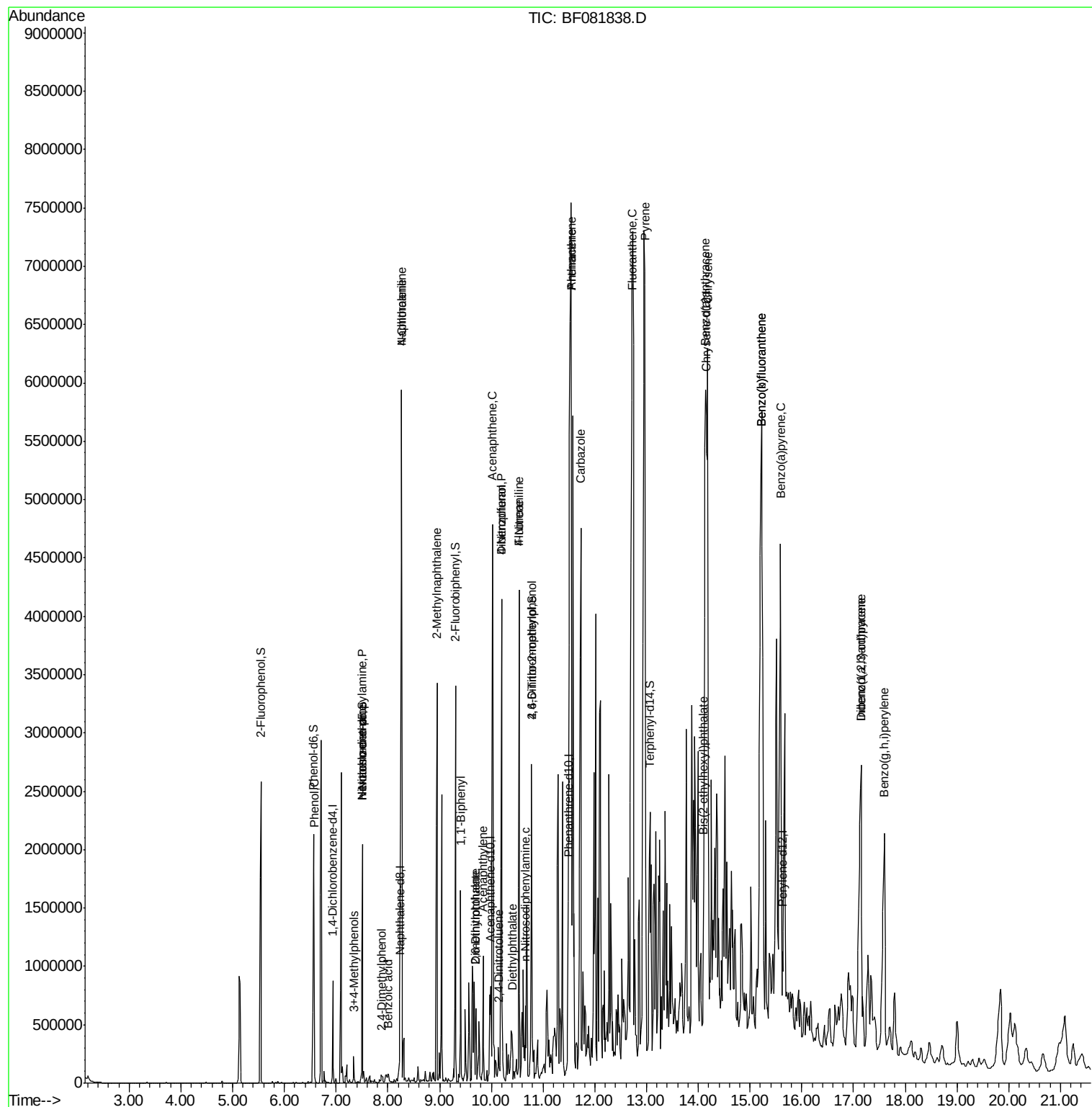
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	17.14	278	755728	49.21	ng	# 77
91) Benzo(g,h,i)perylene	17.59	276	2483669	156.87	ng	# 75

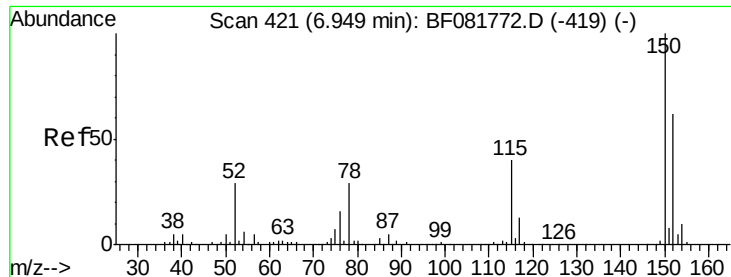
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

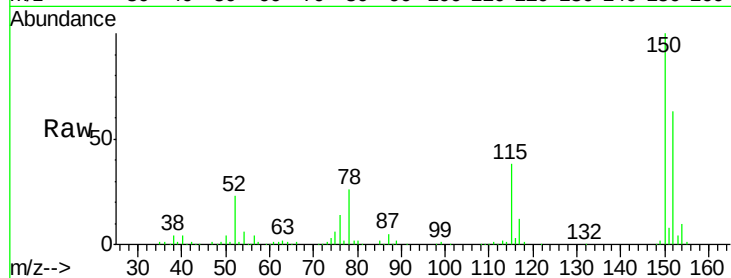
Tgt Ion:152 Resp: 120657

Ion Ratio Lower Upper

152 100

150 158.7 124.7 187.1

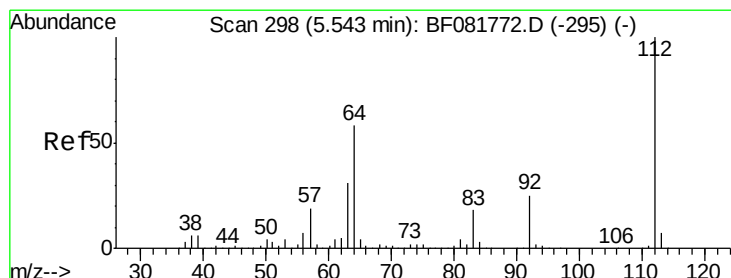
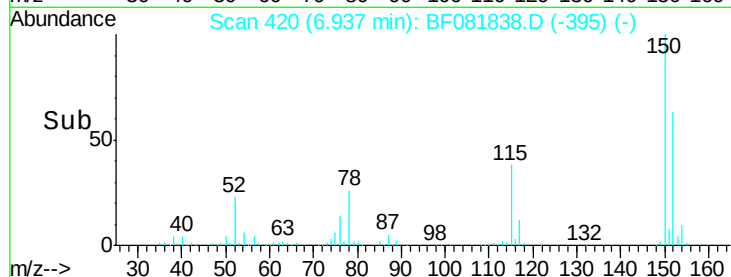
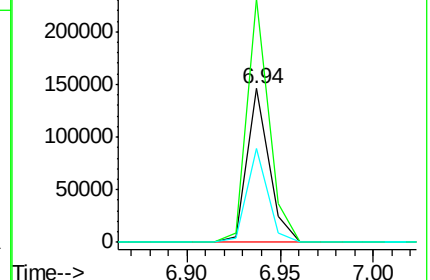
115 61.1 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 124.53 ng

RT: 5.54 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

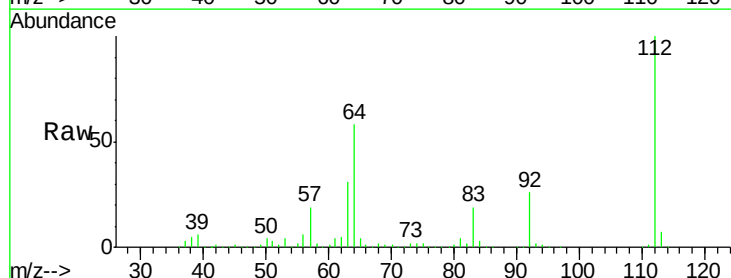
Tgt Ion:112 Resp: 888173

Ion Ratio Lower Upper

112 100

64 58.5 39.7 59.5

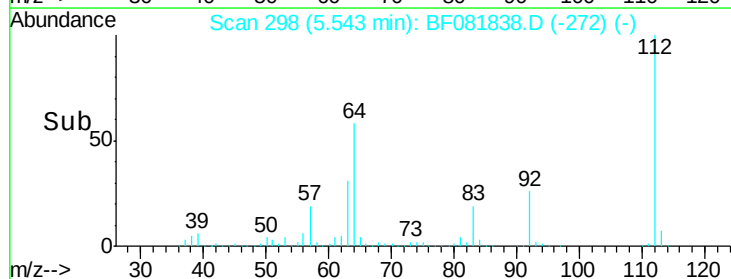
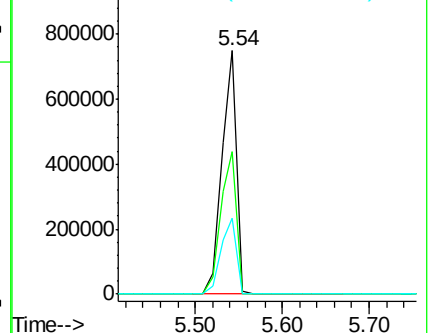
63 31.3 17.4 26.0#

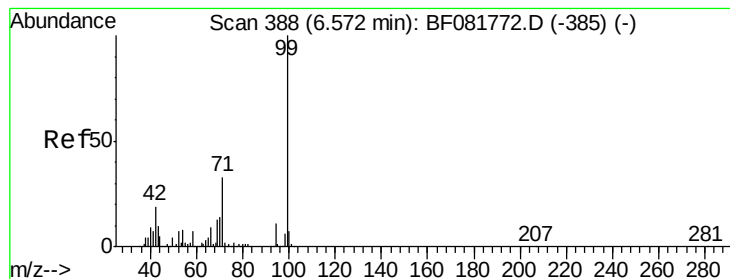


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.85 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

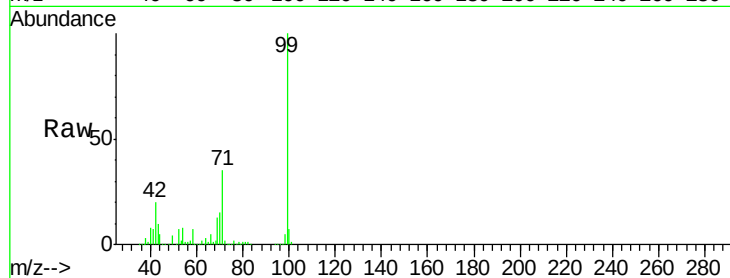
Tgt Ion: 99 Resp: 1144354

Ion Ratio Lower Upper

99 100

42 19.8 13.7 20.5

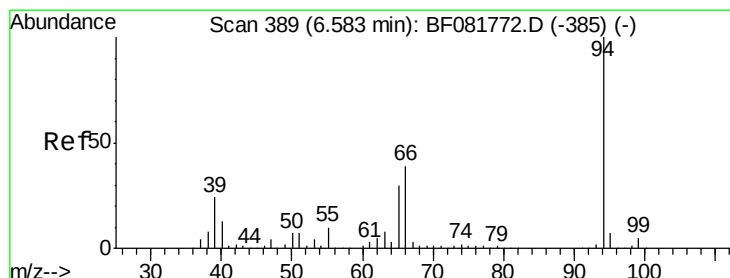
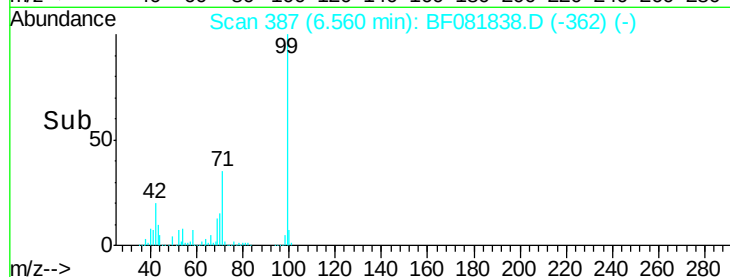
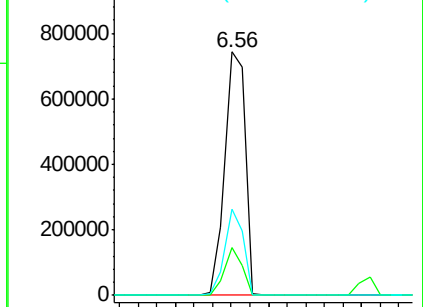
71 35.4 14.2 21.2#



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



#10

Phenol

Concen: 2.35 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

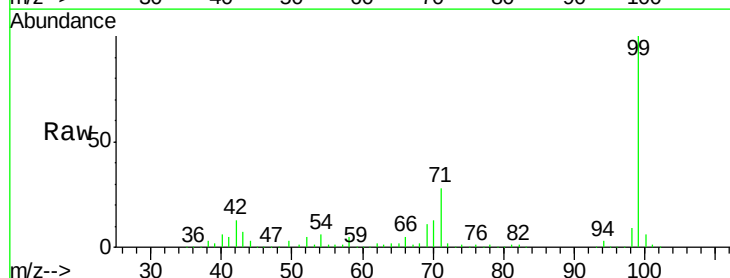
Tgt Ion: 94 Resp: 24634

Ion Ratio Lower Upper

94 100

65 59.9 0.7 40.7#

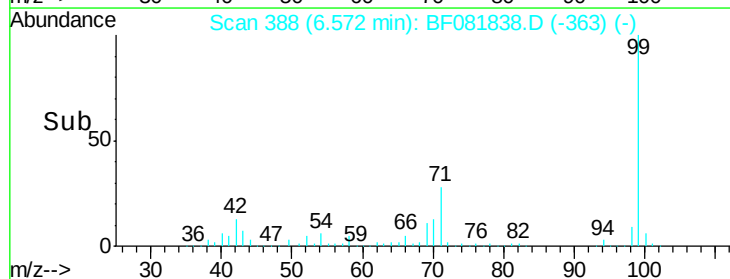
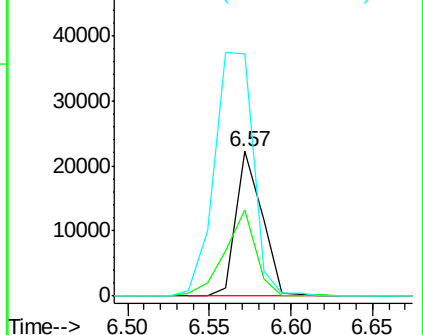
66 167.8 0.8 40.8#

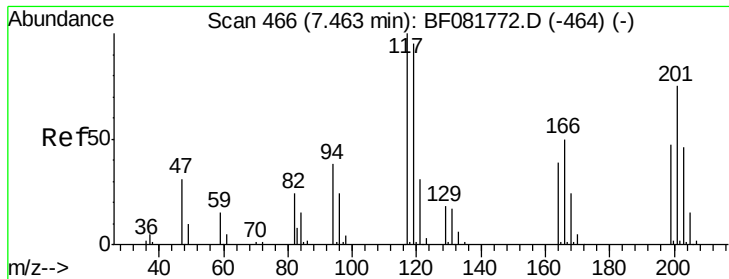


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 3.02 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.05 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

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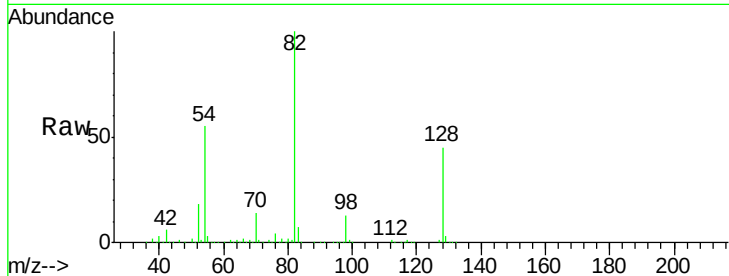
Tgt Ion: 117 Resp: 9262

Ion Ratio Lower Upper

117 100

119 7.5 83.8 125.6#

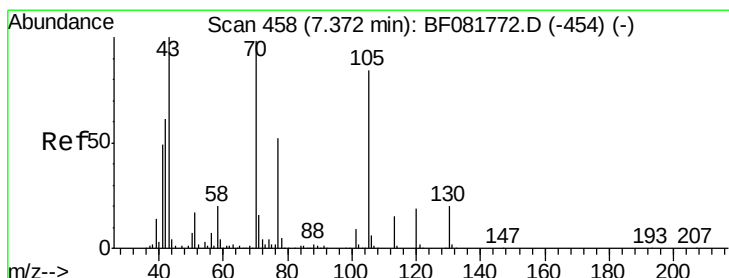
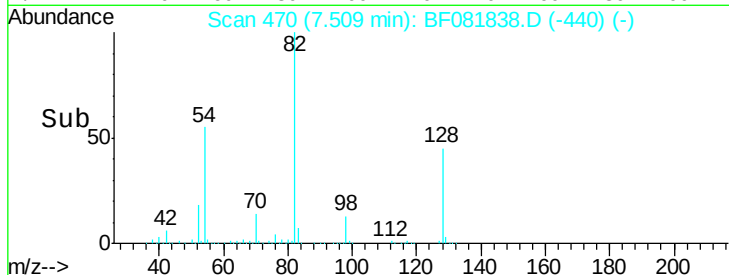
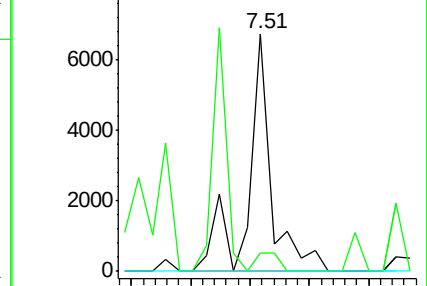
201 0.0 55.1 82.7#



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: 16.93 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Tgt Ion: 70 Resp: 101812

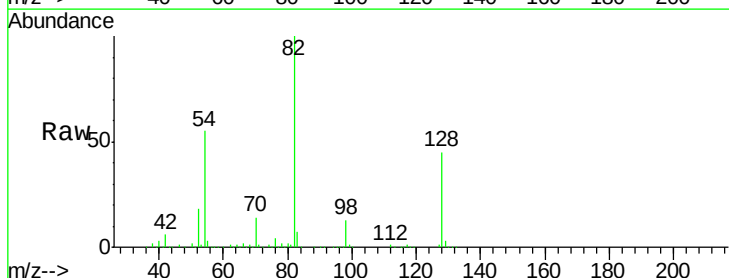
Ion Ratio Lower Upper

70 100

42 45.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.0 27.3 40.9#

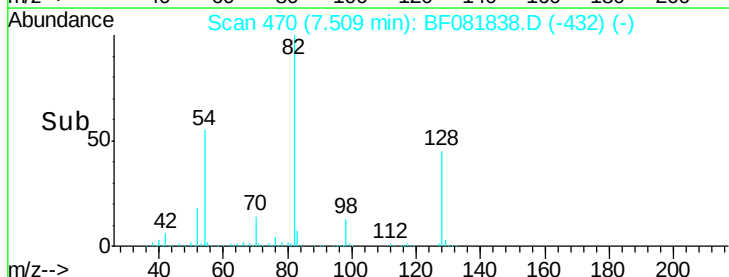
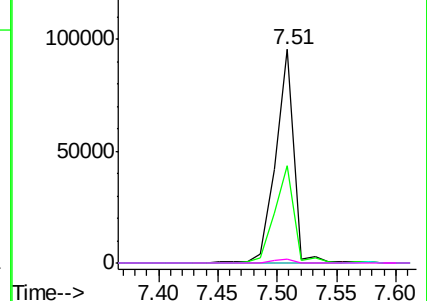


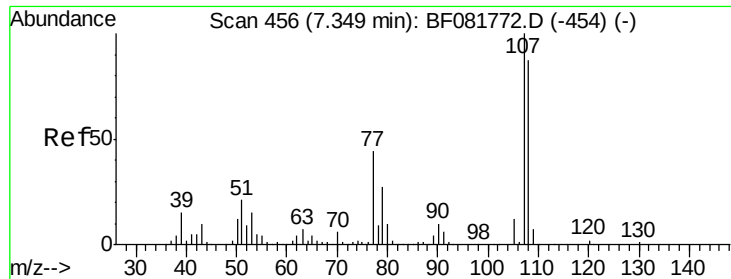
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 5.58 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

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ClientSampleId :

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Tgt Ion:107 Resp: 46525

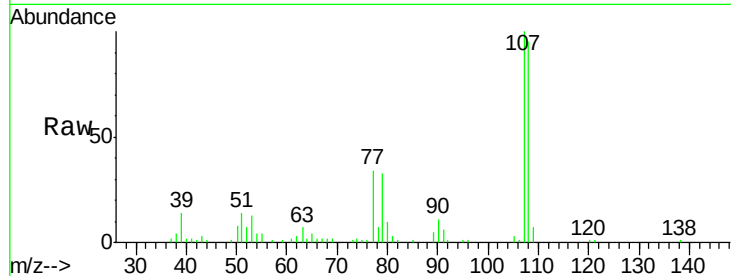
Ion Ratio Lower Upper

107 100

108 94.8 74.6 114.6

77 33.8 0.7 40.7

79 32.7 0.0 38.9

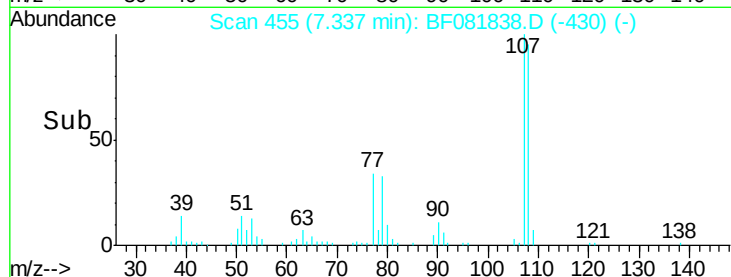


Abundance Ion 107.00 (106.70 to 107.70): E

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



Abundance

Time-->

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45

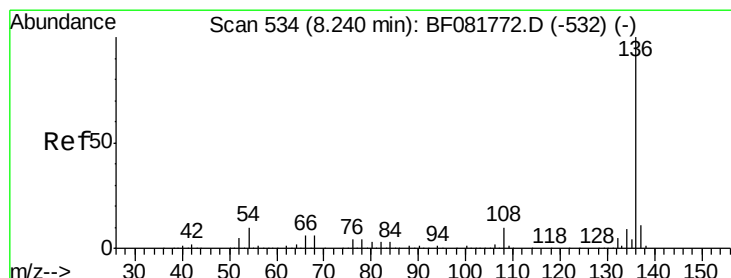
7.34

40000

20000

0

7.25 7.30 7.35 7.40 7.45



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Tgt Ion:136 Resp: 424029

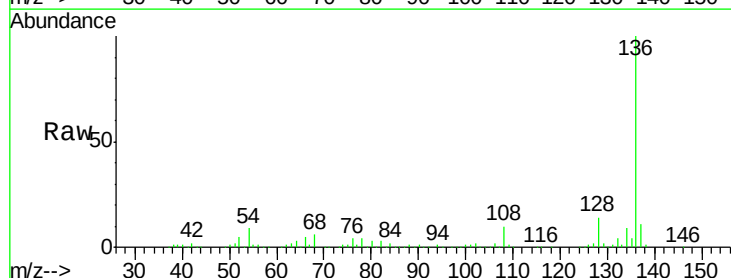
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.5 8.2 12.2

68 6.0 5.8 8.6

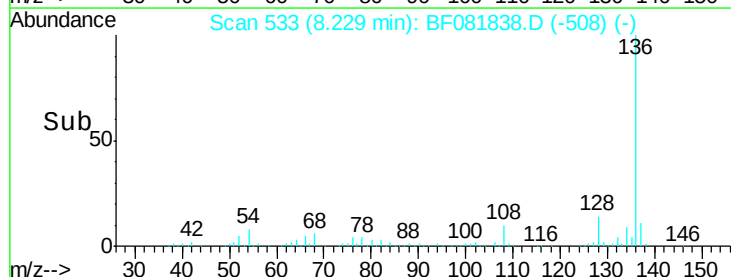


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Abundance

Time-->

8.15 8.20 8.25 8.30

8.23

400000

300000

200000

100000

0

8.15 8.20 8.25 8.30

8.23

400000

300000

200000

100000

0

8.15 8.20 8.25 8.30

8.23

400000

300000

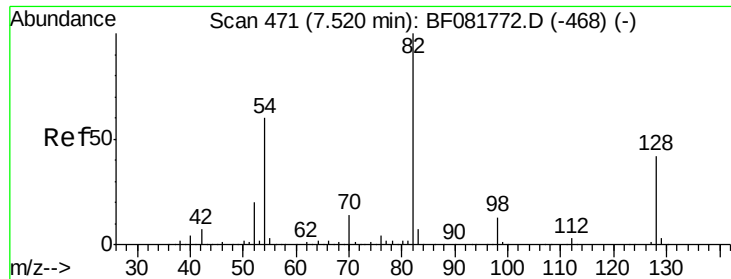
200000

100000

0

8.15 8.20 8.25 8.30

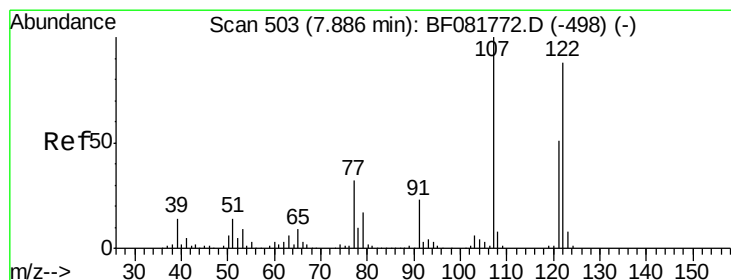
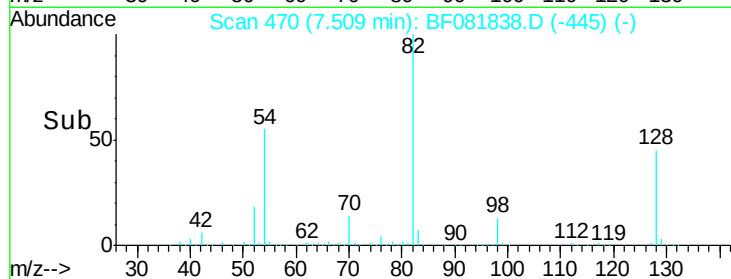
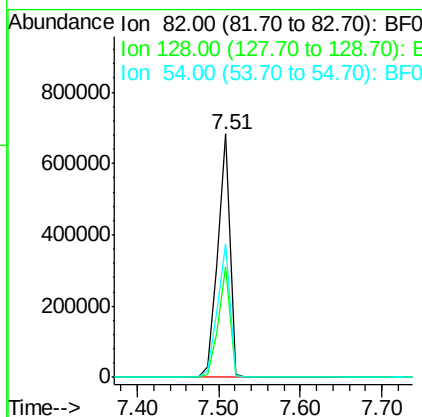
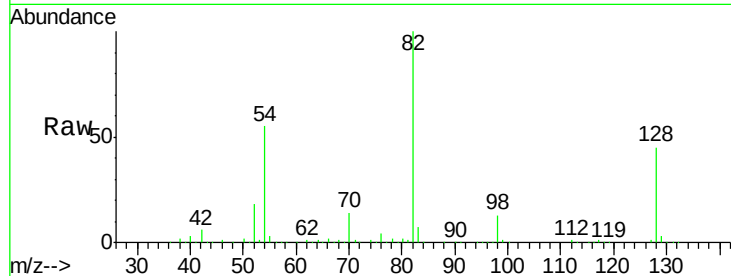
8.23



#23
 Nitrobenzene-d5
 Concen: 110.92 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

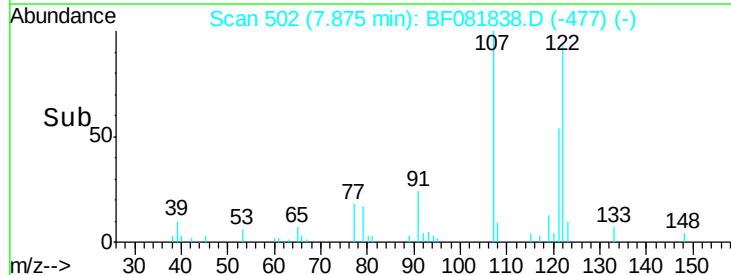
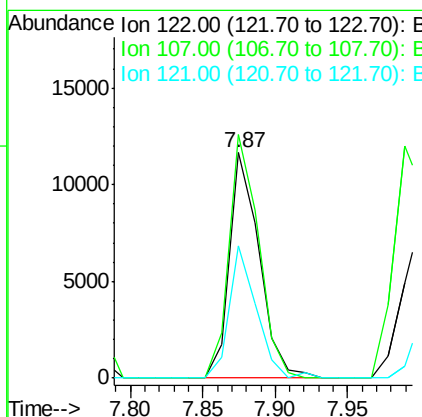
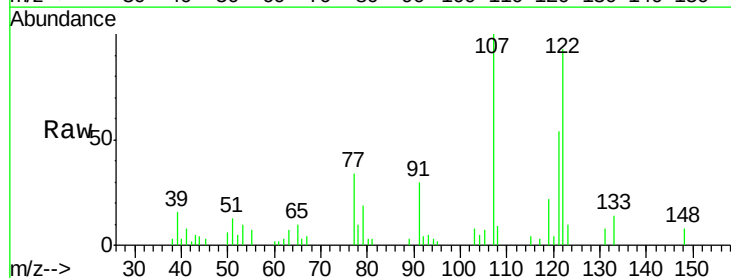
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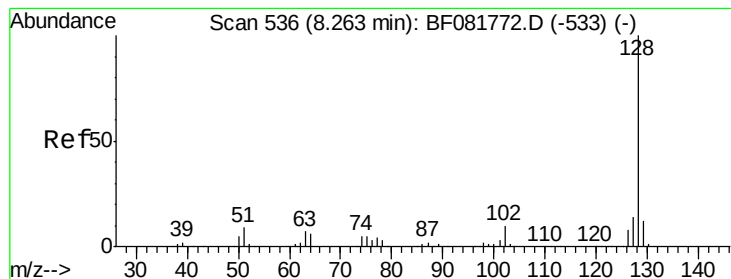
Tgt Ion: 82 Resp: 712832
 Ion Ratio Lower Upper
 82 100
 128 45.2 51.0 76.6#
 54 55.0 47.5 71.3



#27
 2,4-Dimethylphenol
 Concen: 2.58 ng
 RT: 7.87 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Tgt Ion: 122 Resp: 16632
 Ion Ratio Lower Upper
 122 100
 107 107.9 71.8 107.6#
 121 58.6 42.3 63.5





#31

Naphthalene

Concen: 228.56 ng

RT: 8.26 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

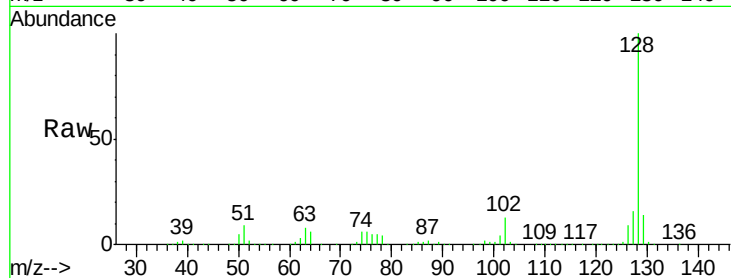
Tgt Ion:128 Resp: 4470995

Ion Ratio Lower Upper

128 100

129 13.5 8.4 12.6#

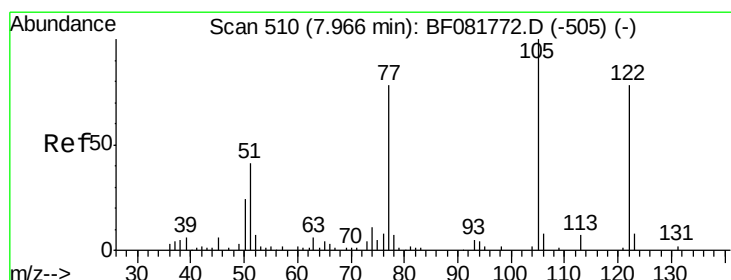
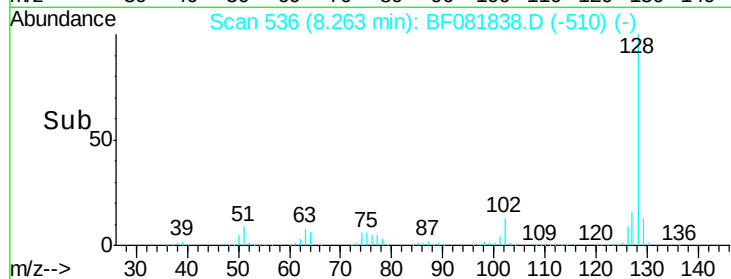
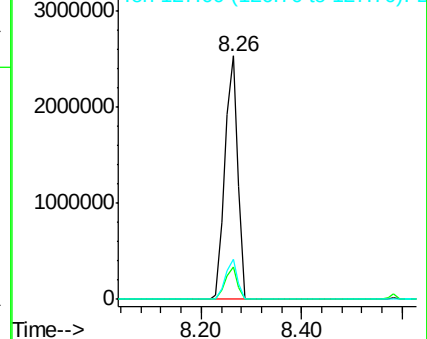
127 16.3 9.9 14.9#



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: 14.65 ng

RT: 8.01 min Scan# 514

Delta R.T. 0.05 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

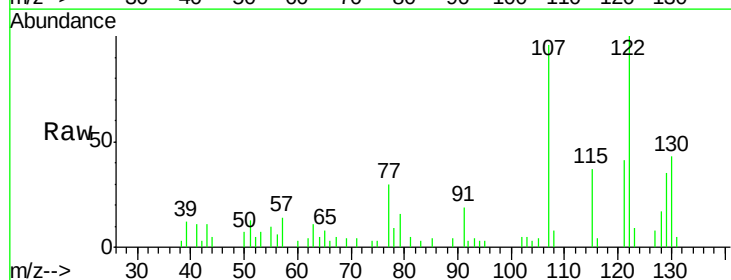
Tgt Ion:122 Resp: 18416

Ion Ratio Lower Upper

122 100

105 3.5 76.1 116.1#

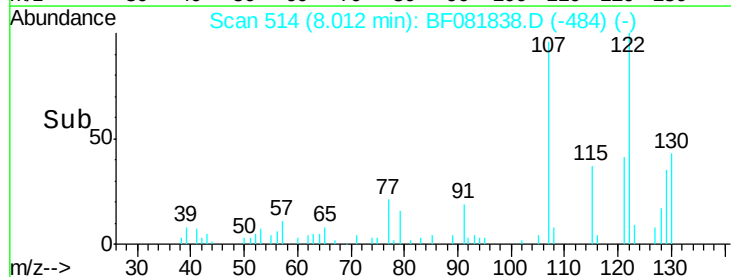
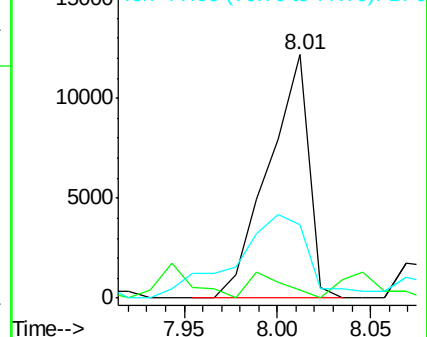
77 30.2 40.5 80.5#

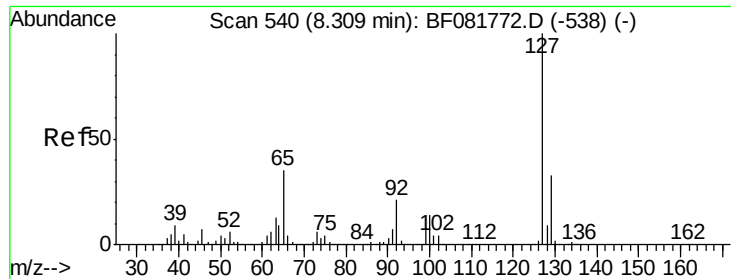


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

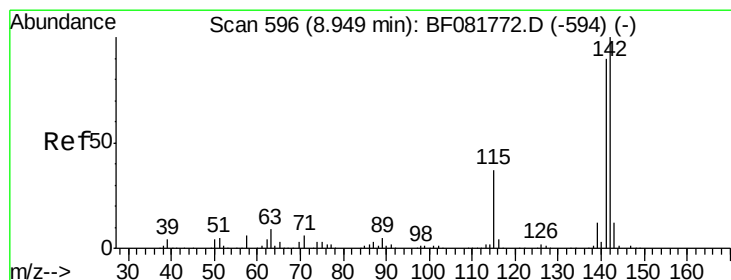
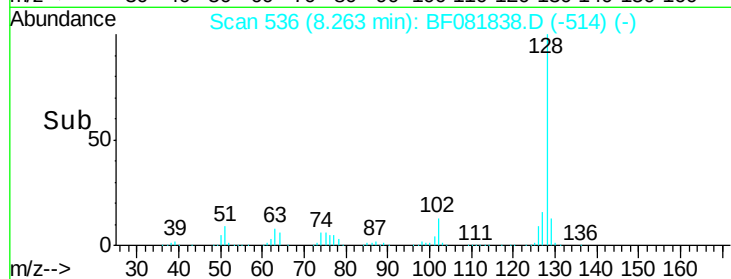
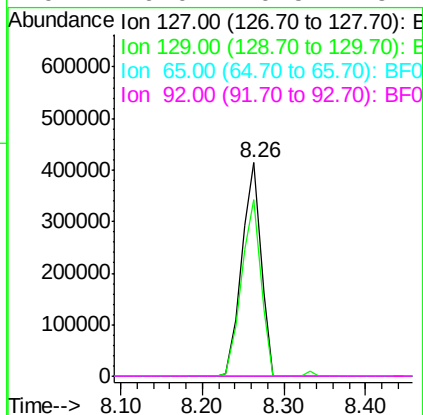
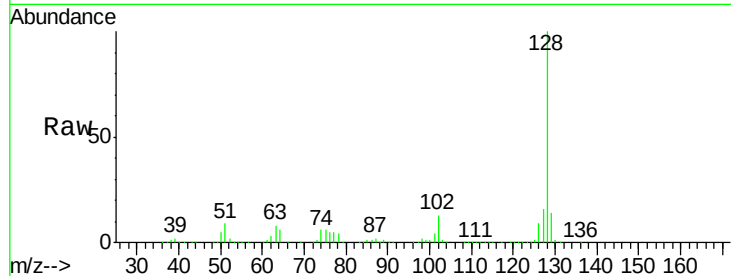




#33
4-Chloroaniline
Concen: 79.04 ng
RT: 8.26 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

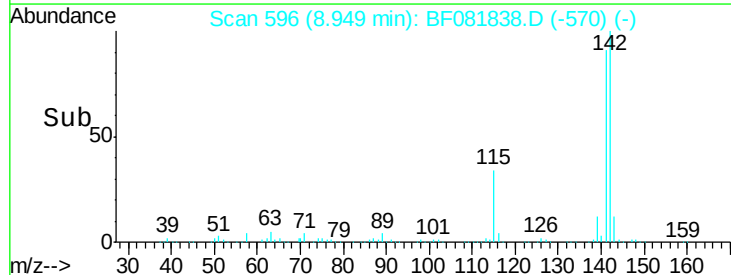
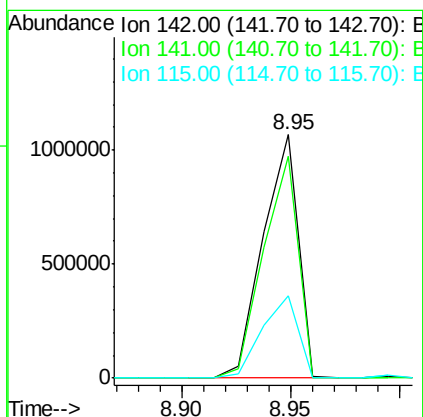
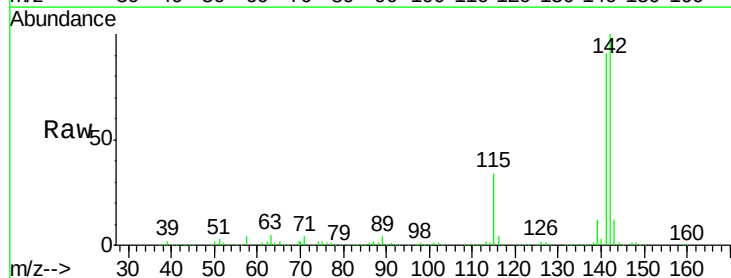
Instrument :
BNA_F
ClientSampleId :
S2-20

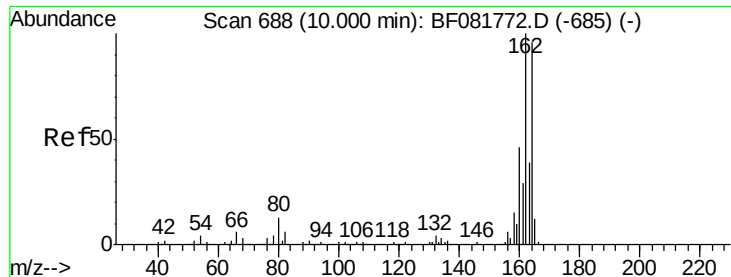
Tgt Ion:	127	Resp:	678541
Ion	Ratio	Lower	Upper
127	100		
129	82.6	25.8	38.6#
65	0.0	17.9	26.9#
92	0.0	10.5	15.7#



#37
2-Methylnaphthalene
Concen: 86.96 ng
RT: 8.95 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Tgt Ion:	142	Resp:	1212256
Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.5	101.3
115	34.0	18.2	27.2#

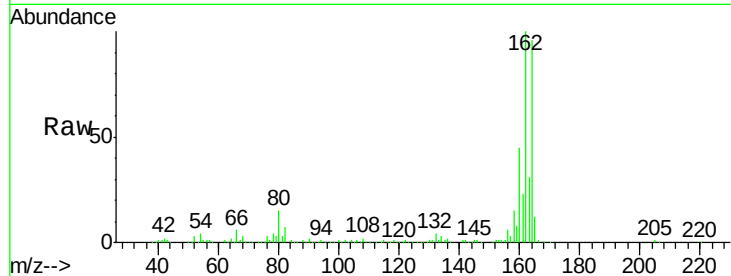




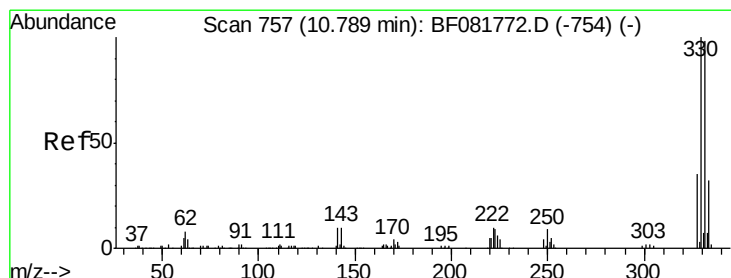
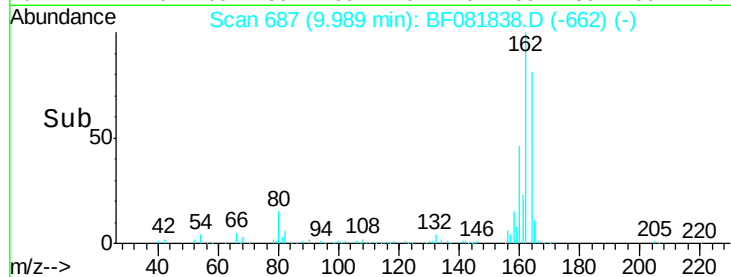
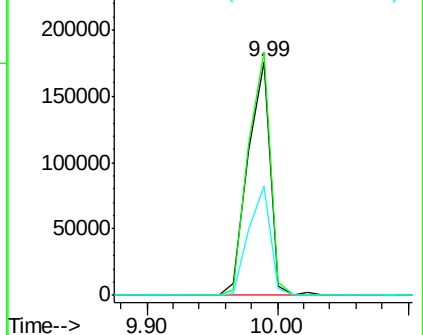
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Instrument :
 BNA_F
 ClientSampleId :
 S2-20

Tgt Ion:164 Resp: 208782
 Ion Ratio Lower Upper
 164 100
 162 104.1 75.2 112.8
 160 46.8 31.5 47.3

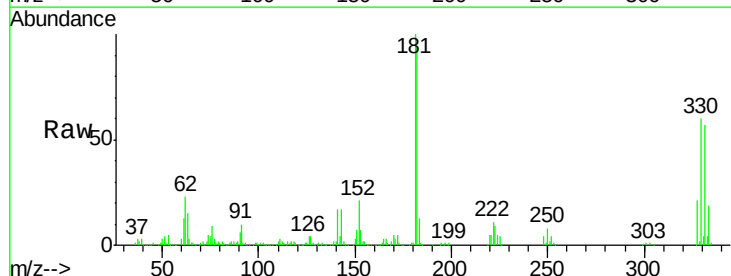


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

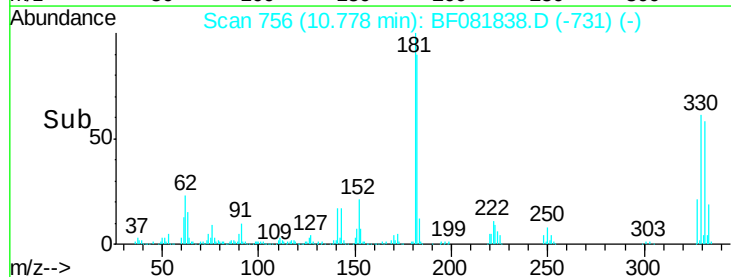
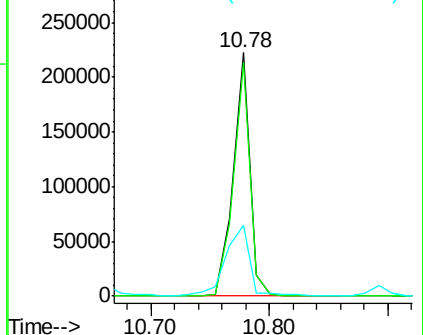


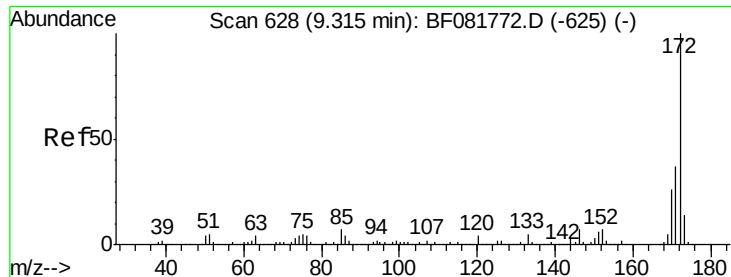
#41
 2,4,6-Tribromophenol
 Concen: 119.85 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Tgt Ion:330 Resp: 217249
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 40.1 29.7 44.5



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

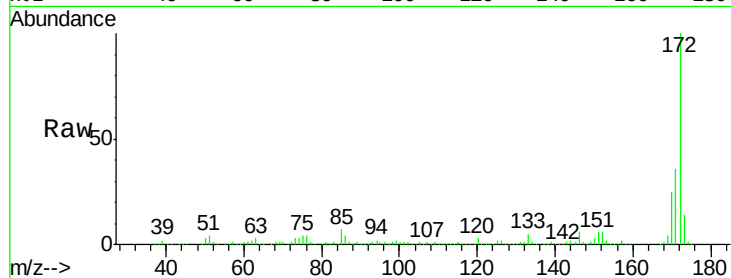




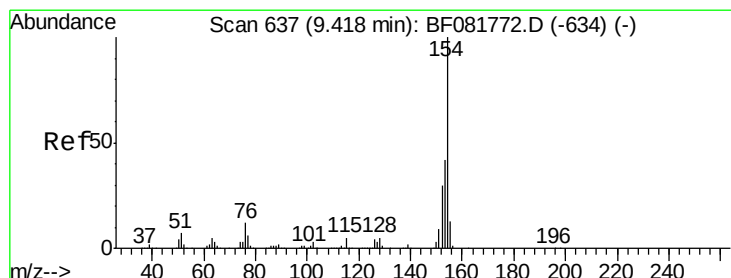
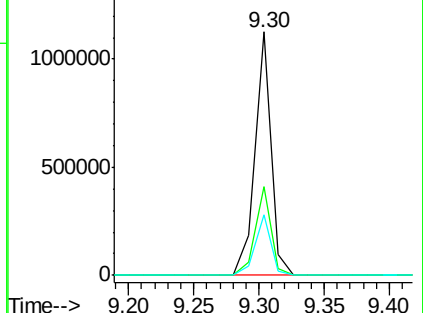
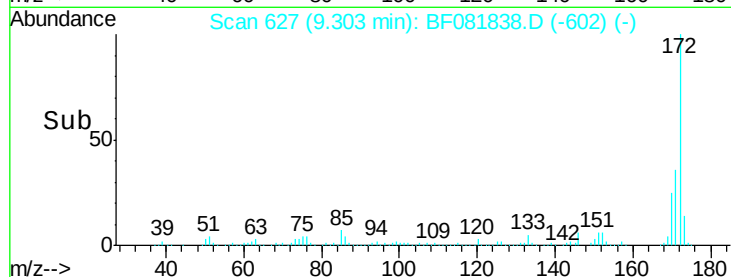
#44
 2-Fluorobiphenyl
 Concen: 76.14 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Instrument :
 BNA_F
 ClientSampleId :
 S2-20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	26.1	39.1
170	24.9	17.4	26.2

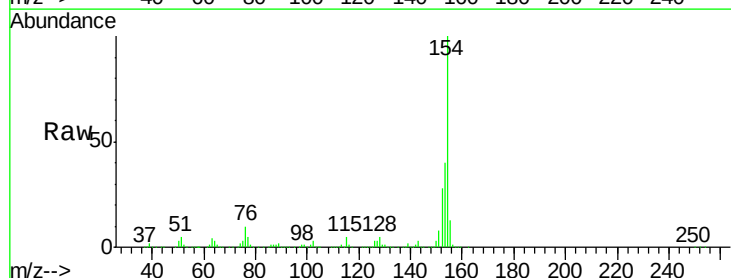


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

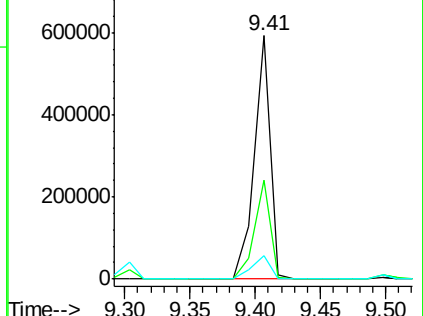
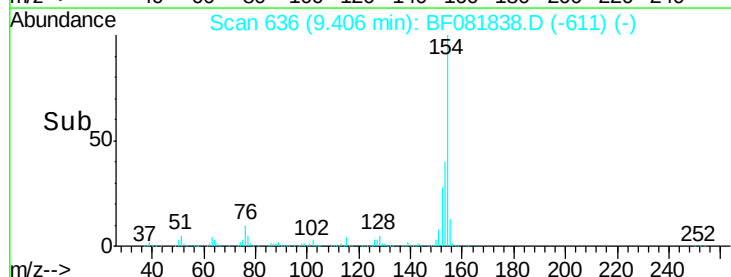


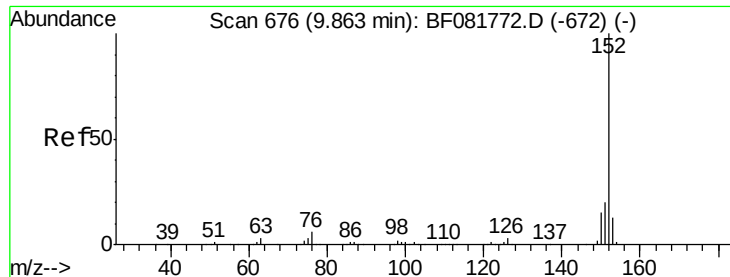
#45
 1,1'-Biphenyl
 Concen: 30.92 ng
 RT: 9.41 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	17.1	57.1
76	9.7	0.0	31.6



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





#48

Acenaphthylene

Concen: 16.07 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

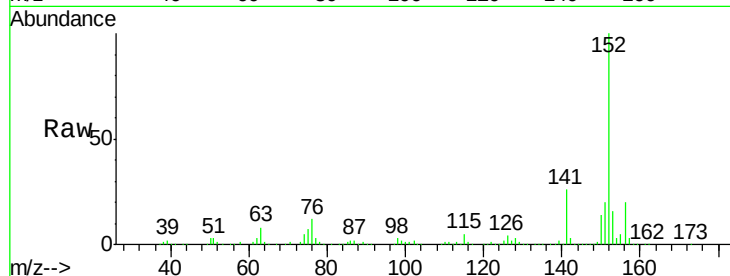
Tgt Ion:152 Resp: 357081

Ion Ratio Lower Upper

152 100

151 20.4 14.6 22.0

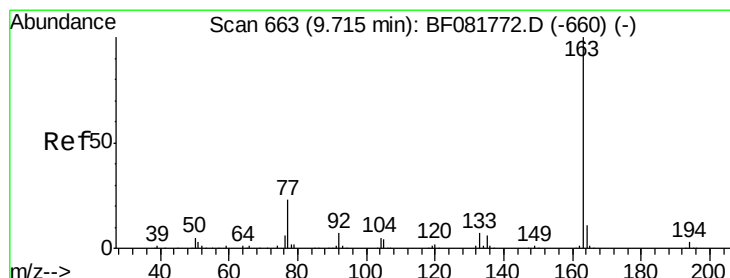
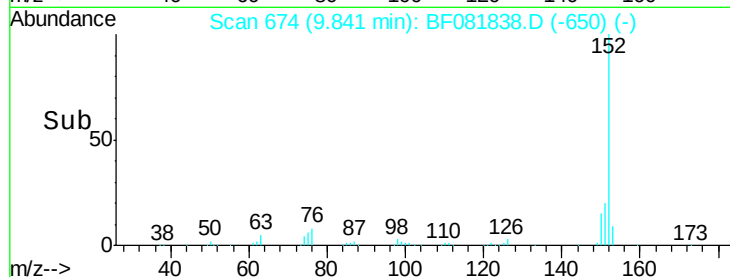
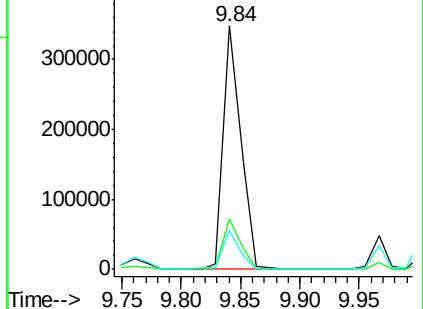
153 16.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 18.88 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

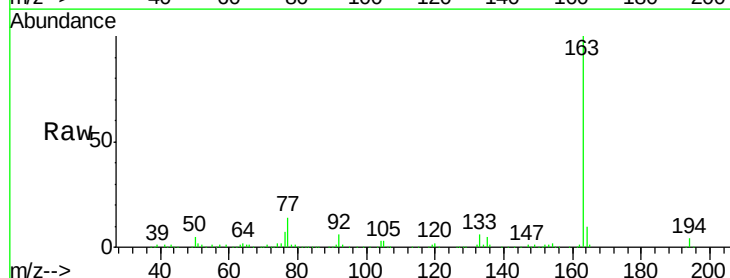
Tgt Ion:163 Resp: 299875

Ion Ratio Lower Upper

163 100

194 3.8 4.4 6.6#

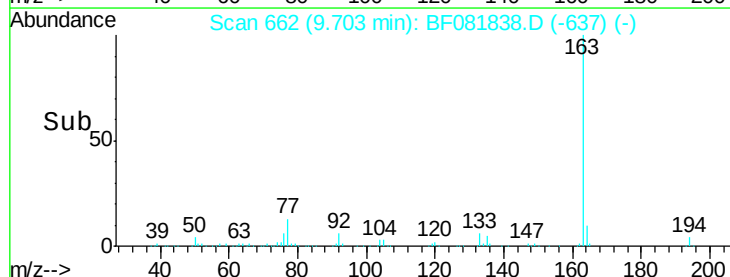
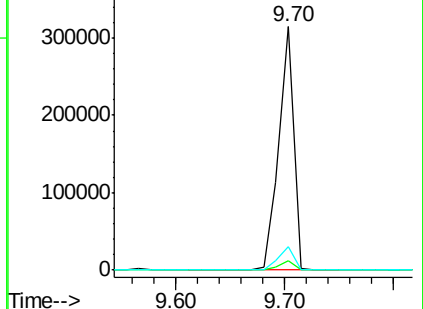
164 9.6 8.3 12.5

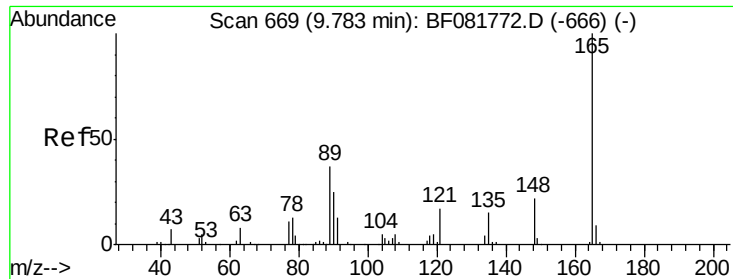


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 2.12 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.08 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

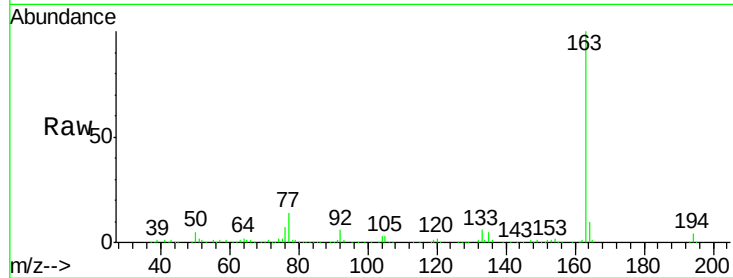
Tgt Ion:165 Resp: 6500

Ion Ratio Lower Upper

165 100

63 131.5 32.3 48.5#

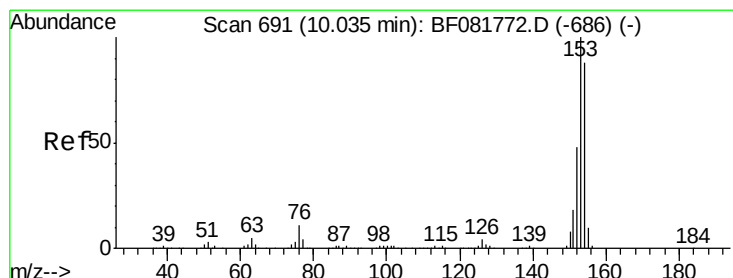
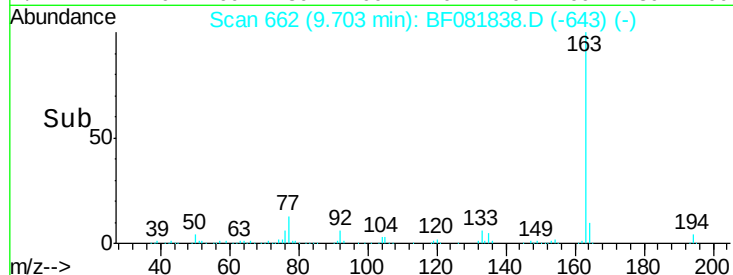
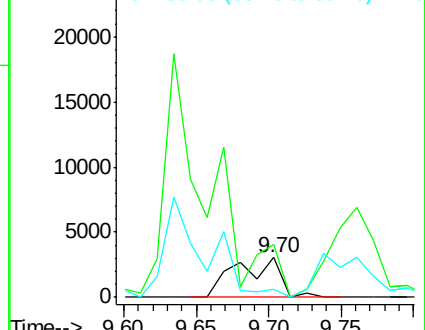
89 21.7 28.6 43.0#



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: 97.83 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

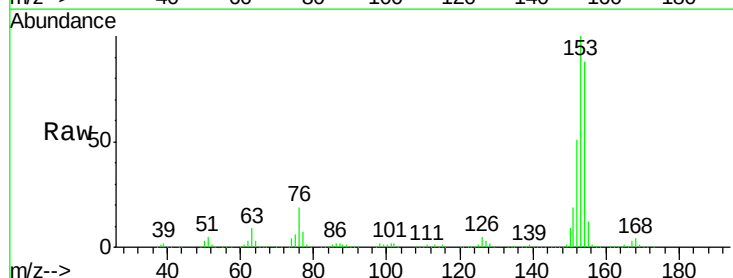
Tgt Ion:154 Resp: 1252911

Ion Ratio Lower Upper

154 100

153 113.6 82.1 123.1

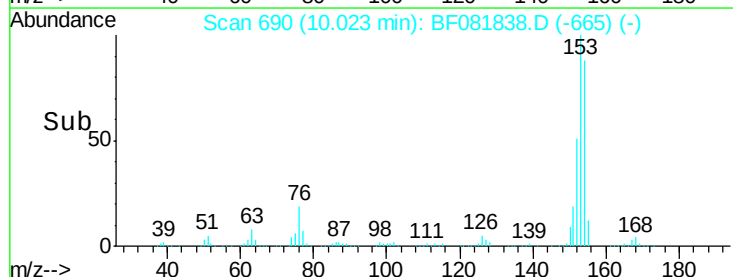
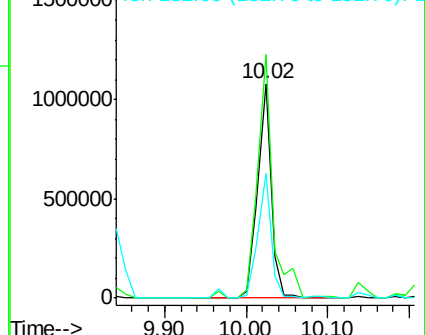
152 57.9 37.9 56.9#

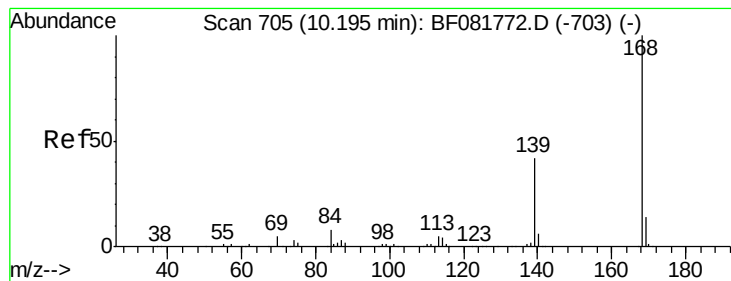


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 98.02 ng

RT: 10.19 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

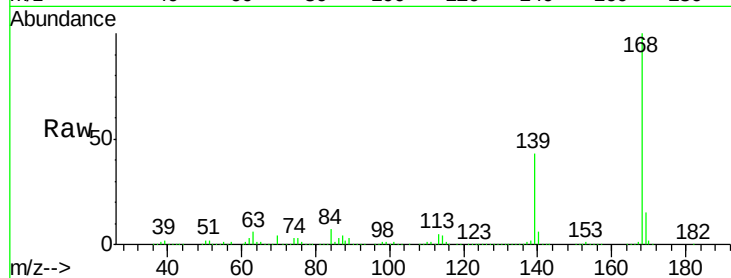
Tgt Ion:168 Resp: 1841506

Ion Ratio Lower Upper

168 100

139 42.5 24.2 36.2#

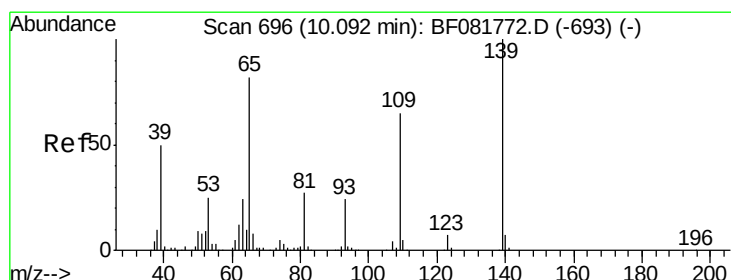
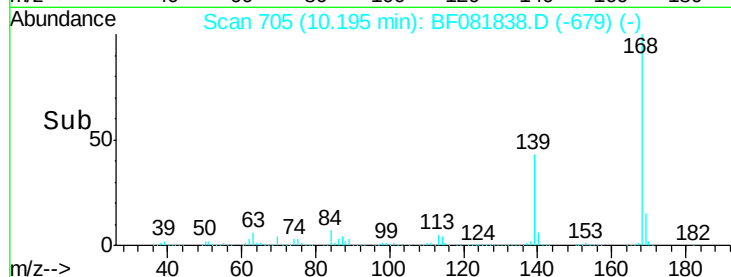
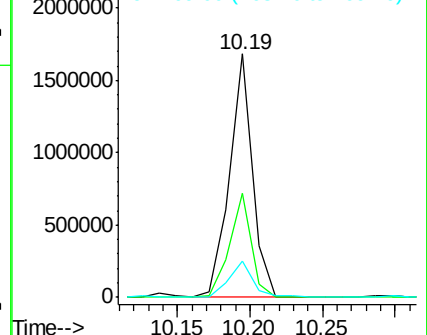
169 15.0 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 325.23 ng

RT: 10.19 min Scan# 705

Delta R.T. 0.10 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

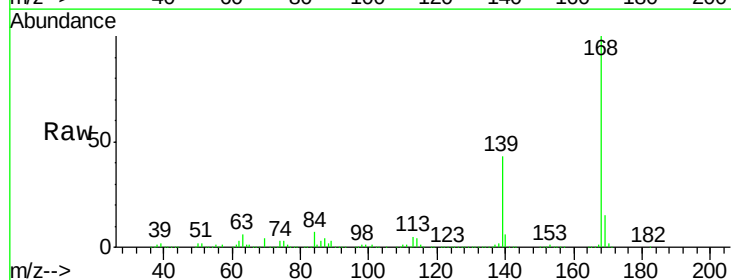
Tgt Ion:139 Resp: 745944

Ion Ratio Lower Upper

139 100

109 0.8 12.7 52.7#

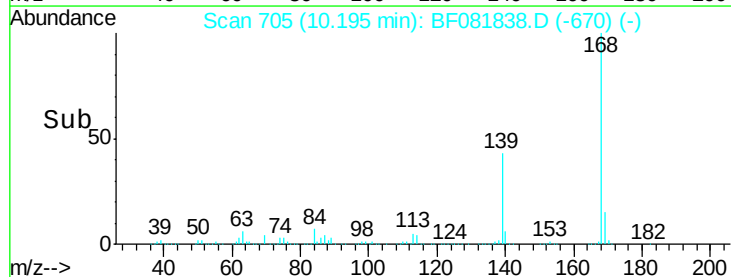
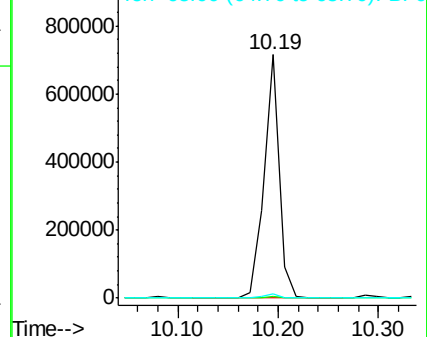
65 1.6 45.9 85.9#

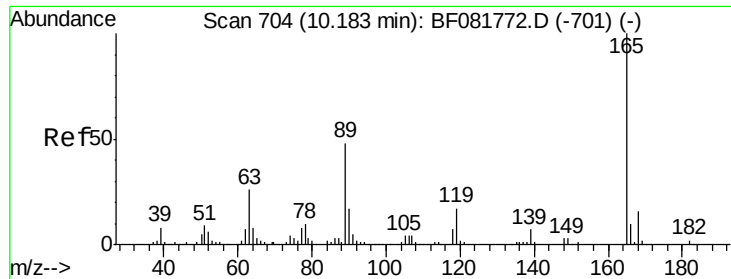


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

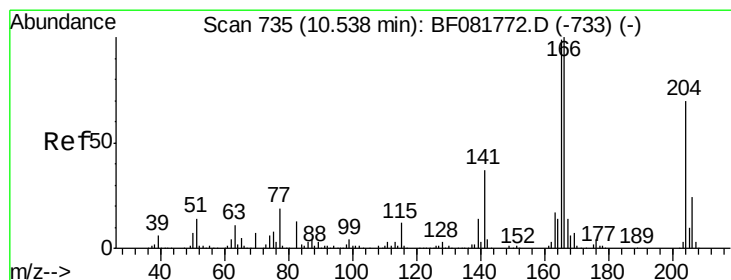
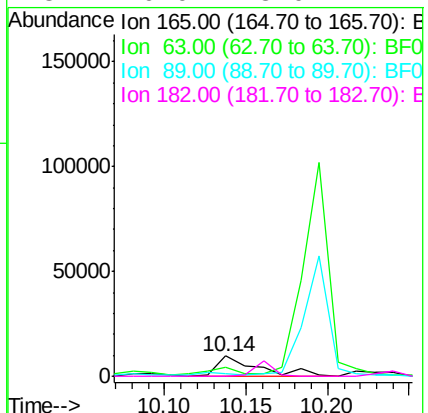
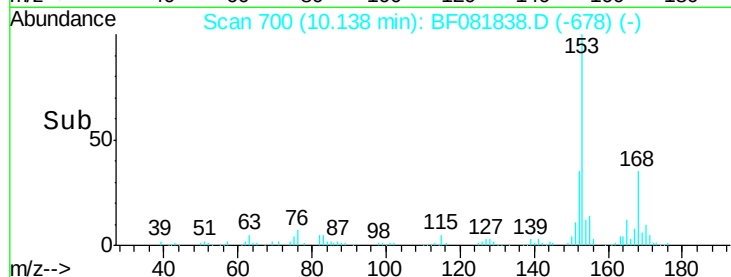
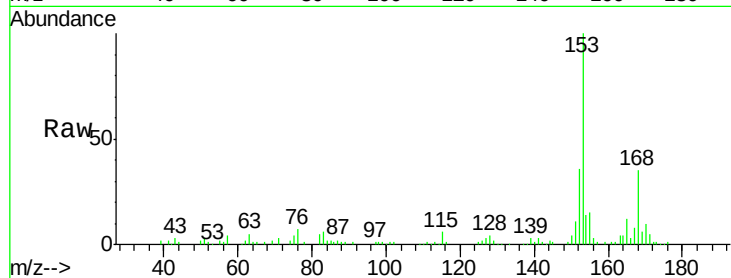




#56
2,4-Dinitrotoluene
Concen: 4.66 ng
RT: 10.14 min Scan# 700
Delta R.T. -0.05 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

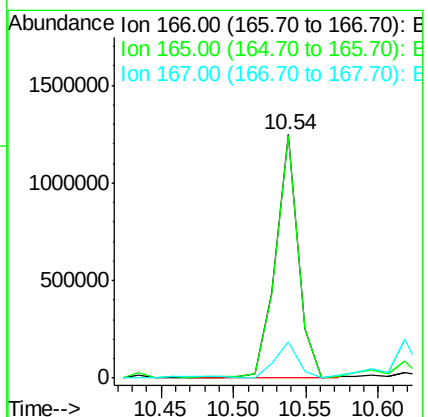
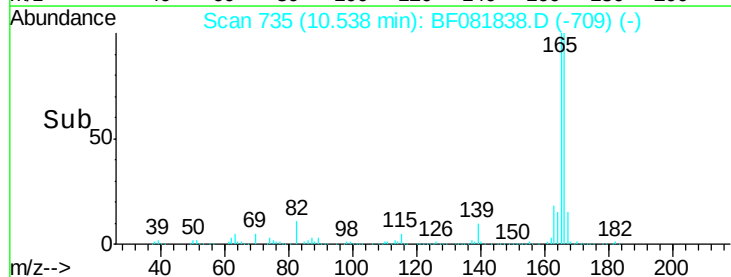
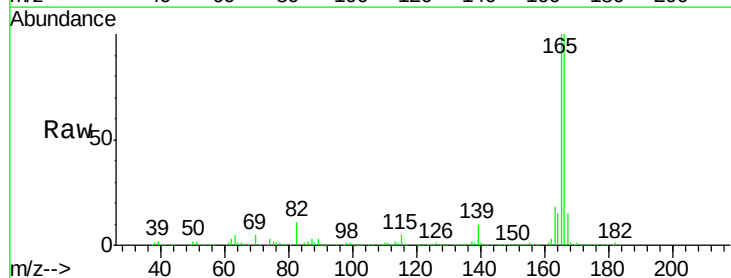
Instrument :
BNA_F
ClientSampleId :
S2-20

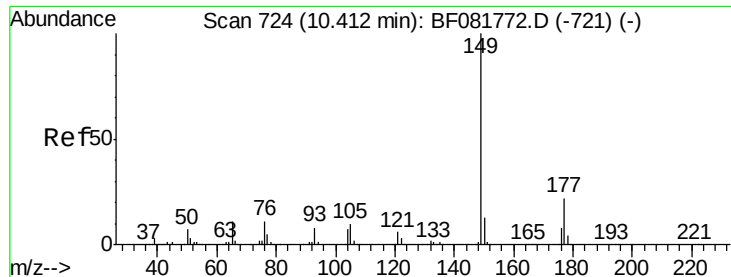
Tgt Ion:	165	Resp:	17112
Ion	Ratio	Lower	Upper
165	100		
63	42.1	29.8	44.6
89	12.1	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: 93.79 ng
RT: 10.54 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Tgt Ion:	166	Resp:	1352151
Ion	Ratio	Lower	Upper
166	100		
165	99.7	72.6	109.0
167	15.1	10.6	16.0

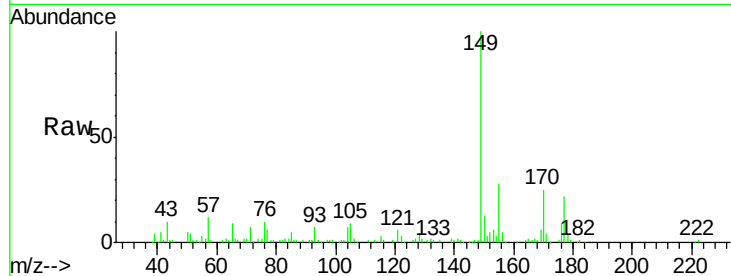




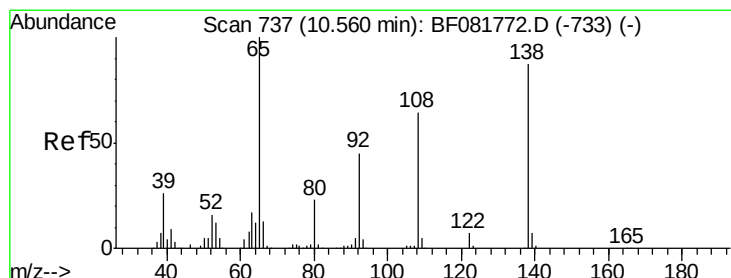
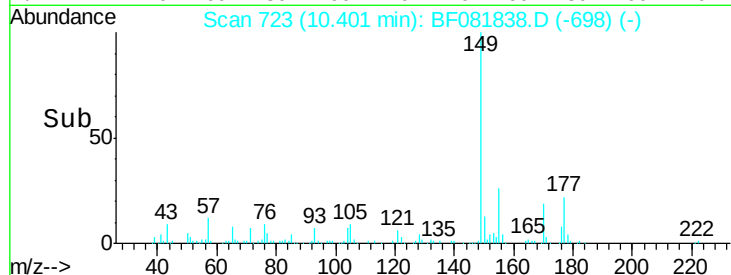
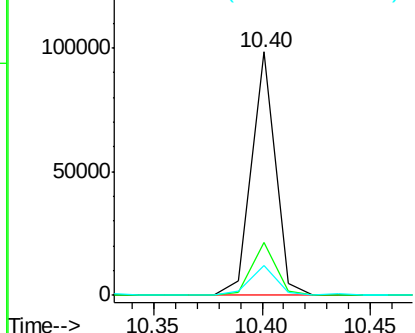
#59
Diethylphthalate
Concen: 4.86 ng
RT: 10.40 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Instrument :
BNA_F
ClientSampled :
S2-20

Tgt Ion:149 Resp: 74726
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.5 9.4 14.2

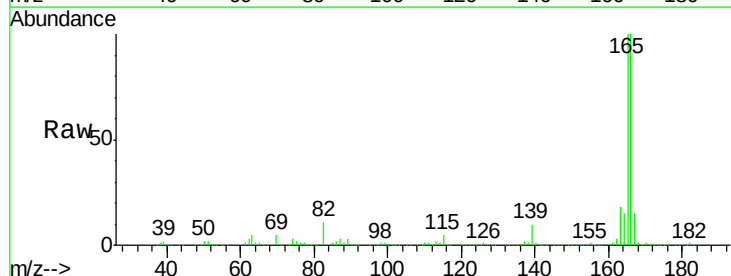


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

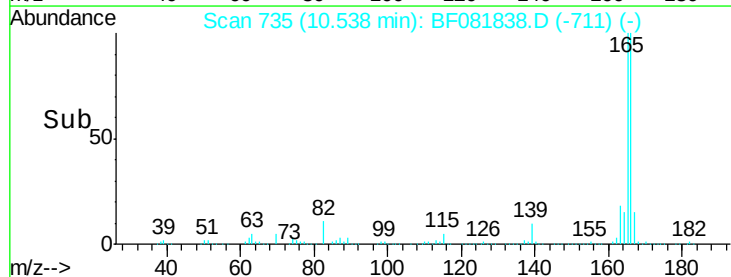
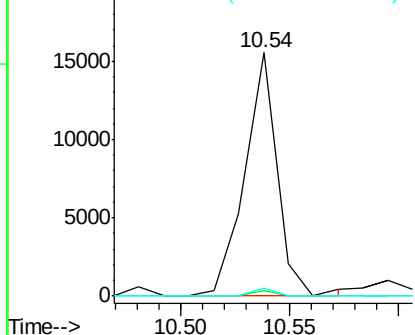


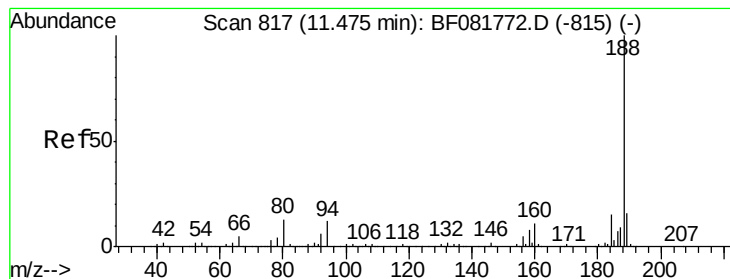
#61
4-Nitroaniline
Concen: 5.02 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Tgt Ion:138 Resp: 16231
Ion Ratio Lower Upper
138 100
92 2.4 12.6 52.6#
108 3.5 12.4 52.4#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampled :

S2-20

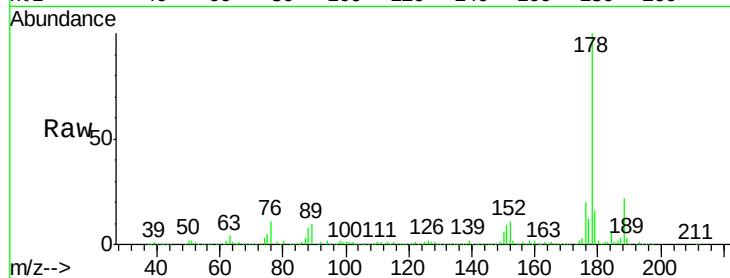
Tgt Ion:188 Resp: 257279

Ion Ratio Lower Upper

188 100

94 9.2 11.1 16.7#

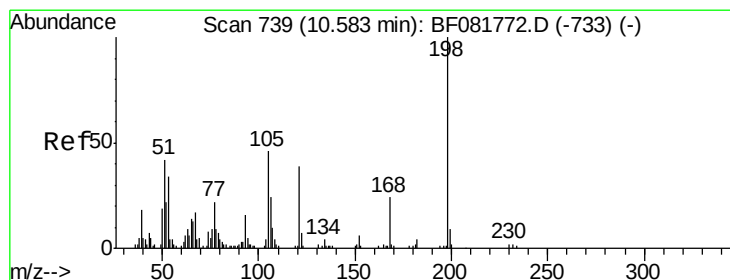
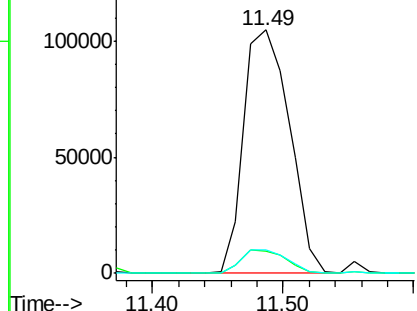
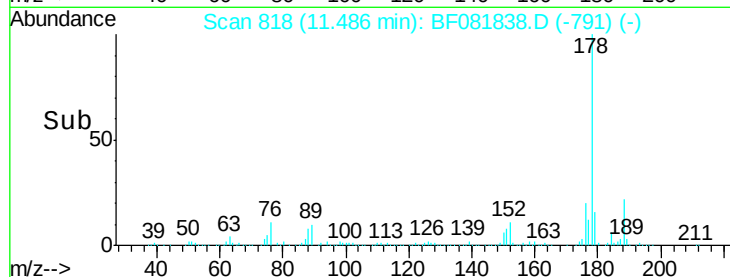
80 9.8 11.0 16.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 9.13 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

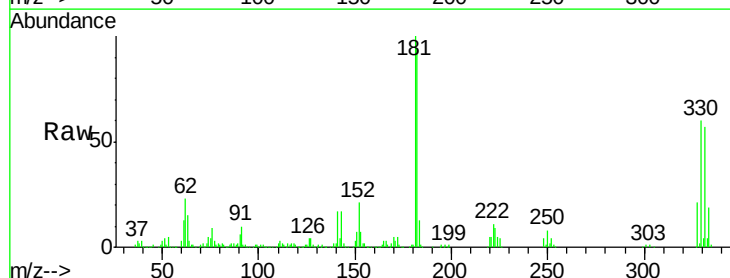
Tgt Ion:198 Resp: 633

Ion Ratio Lower Upper

198 100

51 2193.5 39.6 79.6#

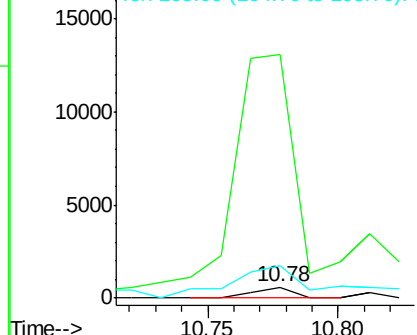
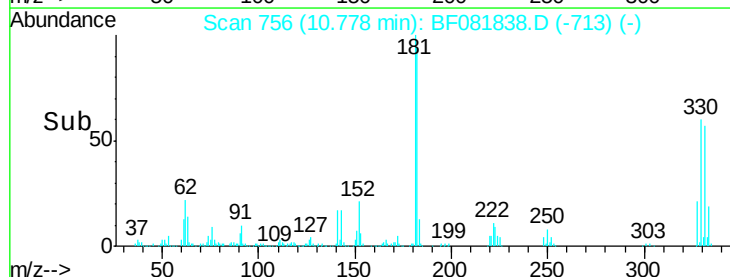
105 297.7 28.5 68.5#

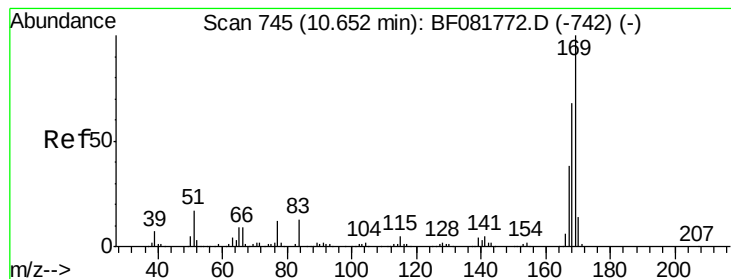


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 3.88 ng

RT: 10.66 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

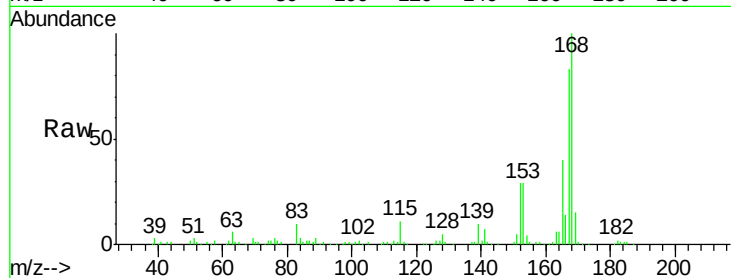
Tgt Ion:169 Resp: 33628

Ion Ratio Lower Upper

169 100

168 684.6 48.9 73.3#

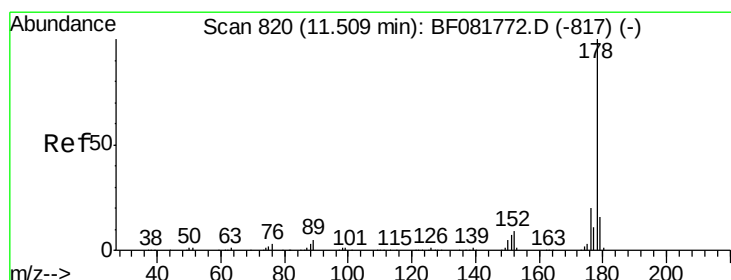
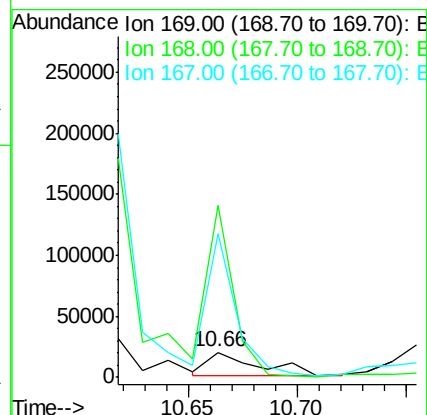
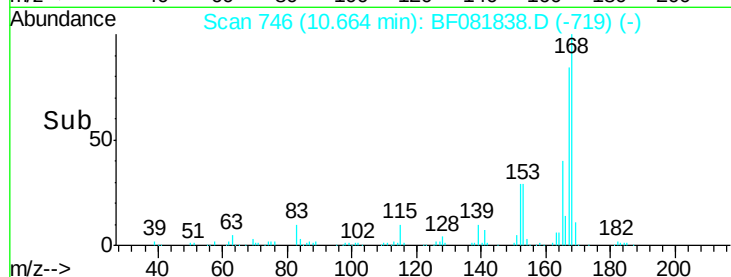
167 571.0 26.2 39.4#



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



#70

Phenanthrene

Concen: 620.69 ng

RT: 11.54 min Scan# 823

Delta R.T. 0.03 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

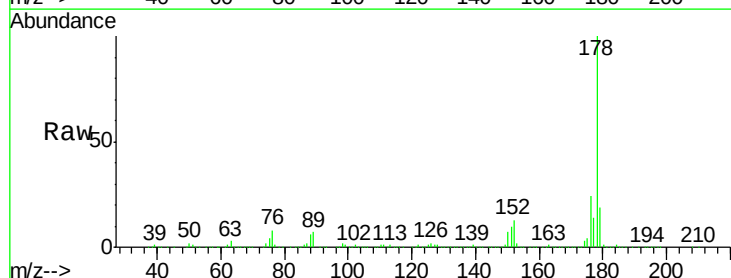
Tgt Ion:178 Resp: 9129841

Ion Ratio Lower Upper

178 100

176 24.3 13.8 20.8#

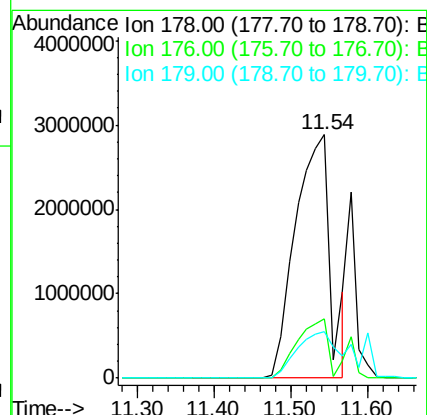
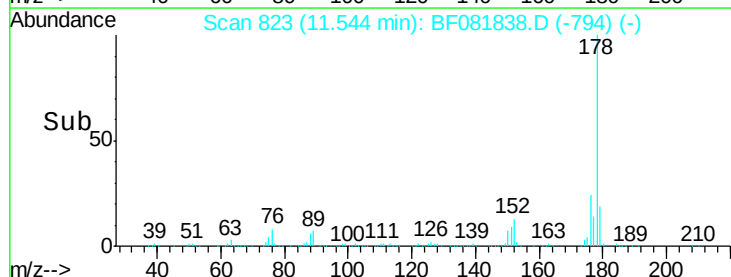
179 19.3 12.2 18.2#

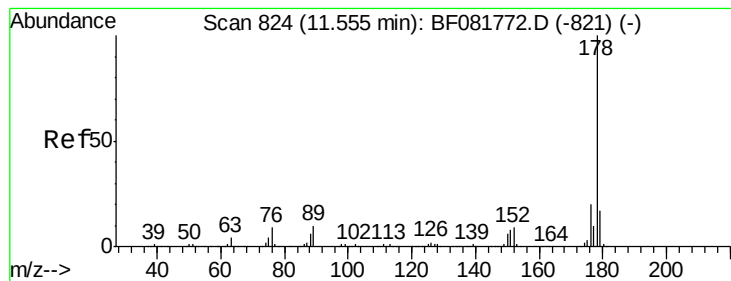


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 644.14 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

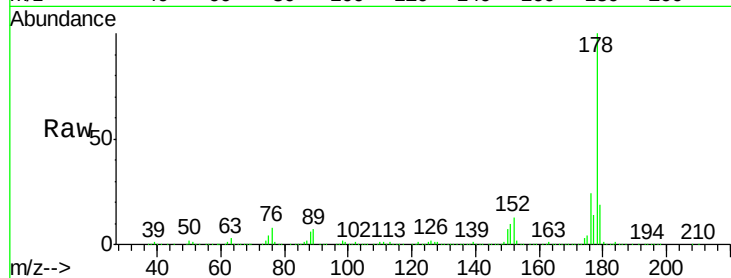
Tgt Ion:178 Resp: 9129841

Ion Ratio Lower Upper

178 100

176 24.3 14.1 21.1#

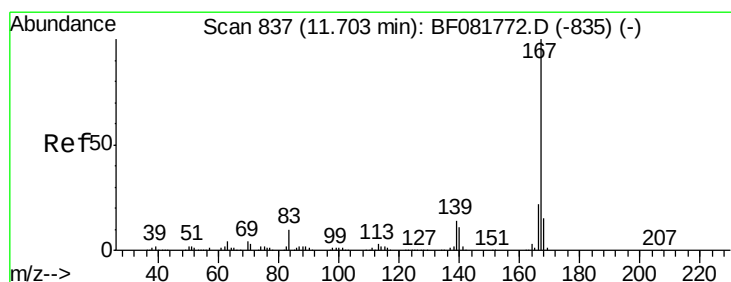
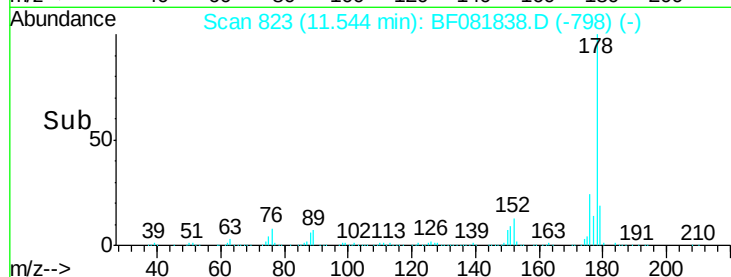
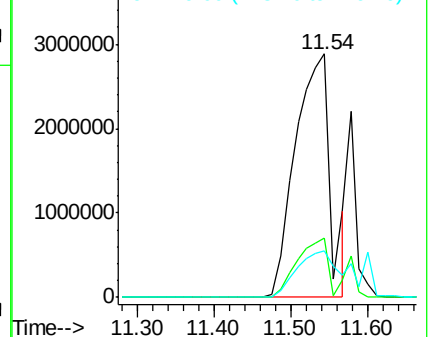
179 19.3 12.2 18.2#



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: 216.42 ng

RT: 11.73 min Scan# 839

Delta R.T. 0.02 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

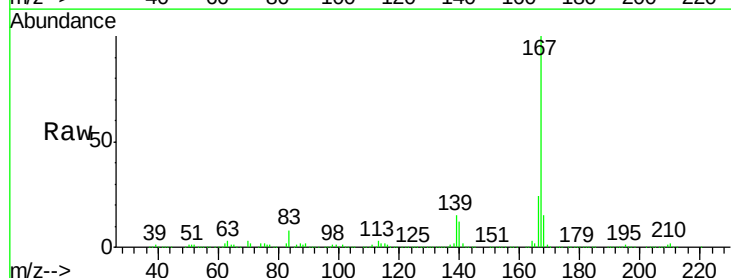
Tgt Ion:167 Resp: 2847665

Ion Ratio Lower Upper

167 100

166 24.5 15.7 23.5#

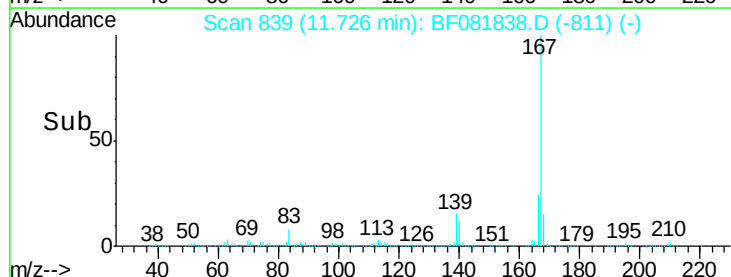
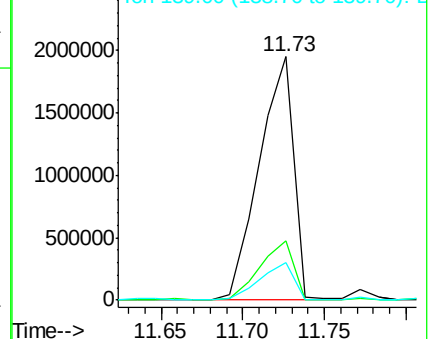
139 15.3 9.5 14.3#

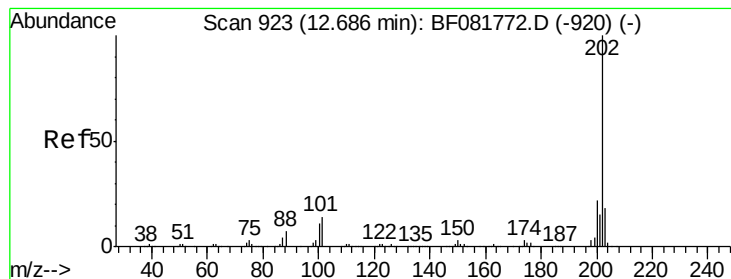


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 634.74 ng

RT: 12.73 min Scan# 927

Delta R.T. 0.05 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

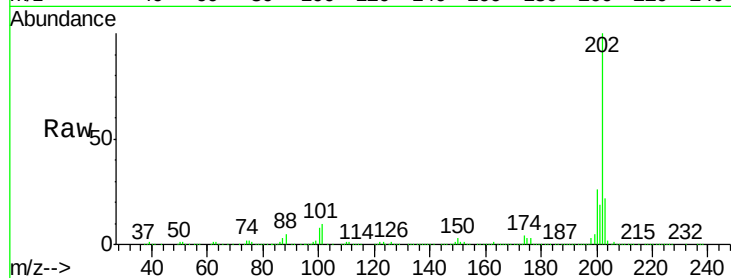
Tgt Ion:202 Resp: 9407962

Ion Ratio Lower Upper

202 100

101 10.0 0.0 38.3

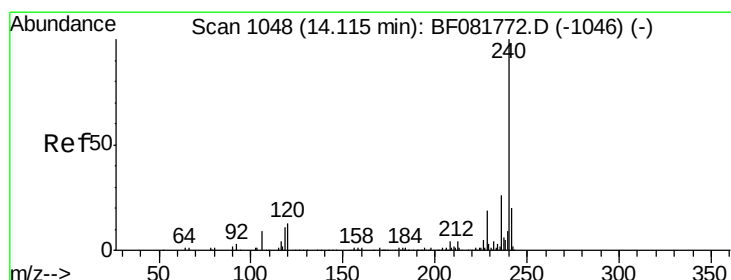
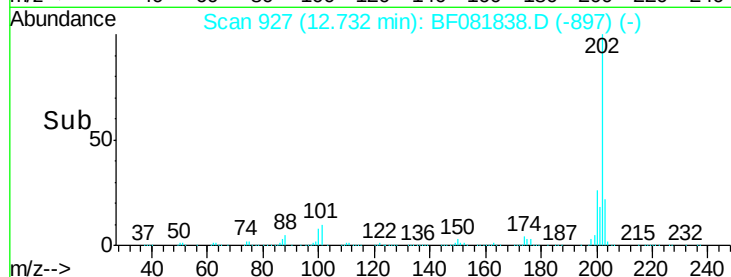
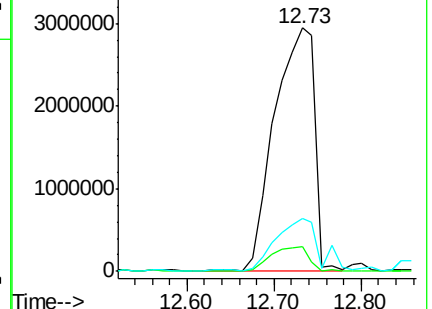
203 21.9 0.0 37.3



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: 14.15 min Scan# 1051

Delta R.T. 0.03 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

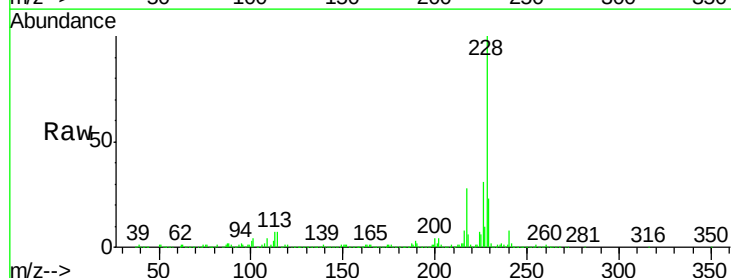
Tgt Ion:240 Resp: 182005

Ion Ratio Lower Upper

240 100

120 12.4 16.2 24.2#

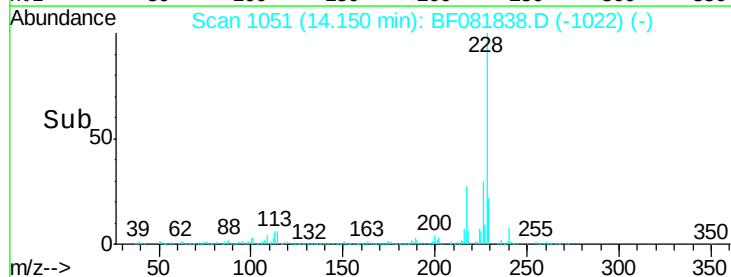
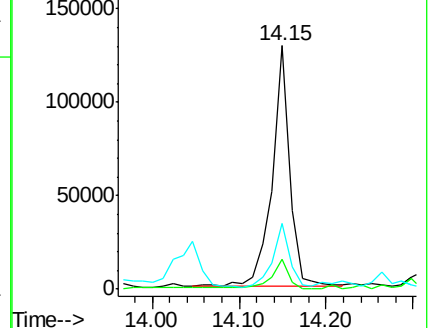
236 27.2 18.4 27.6

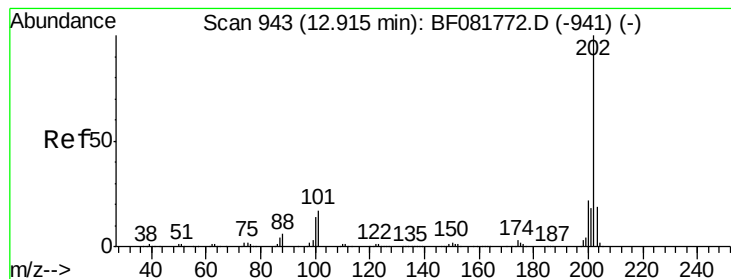


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 561.29 ng

RT: 12.97 min Scan# 948

Delta R.T. 0.06 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

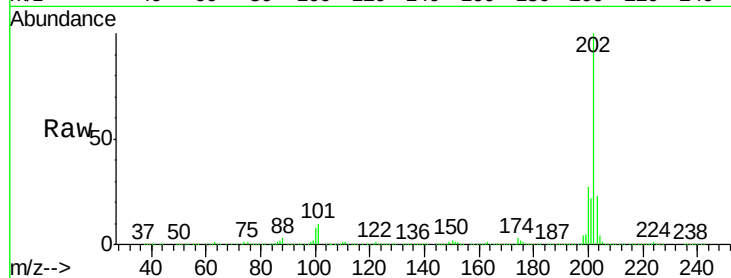
Tgt Ion:202 Resp: 7701907

Ion Ratio Lower Upper

202 100

200 26.7 15.0 22.4#

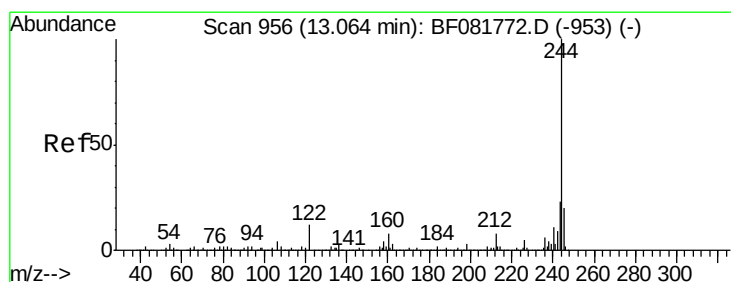
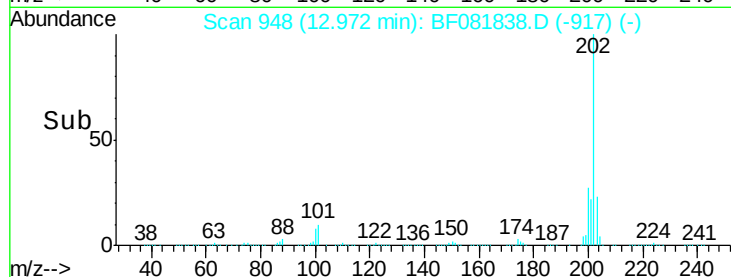
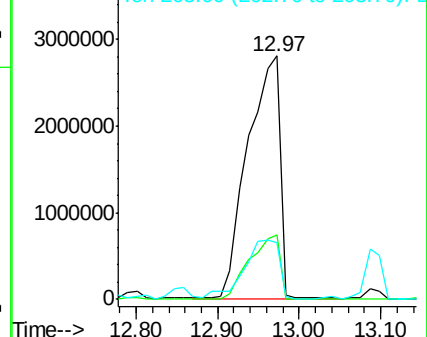
203 23.1 14.1 21.1#



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: 84.54 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

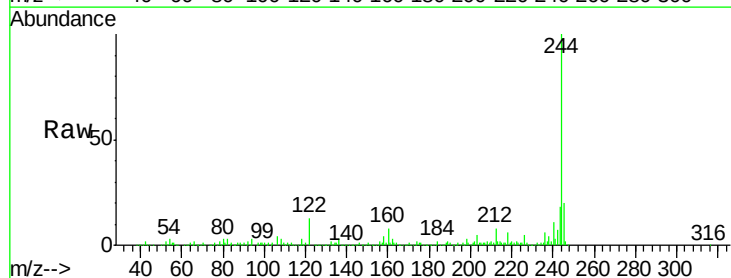
Tgt Ion:244 Resp: 673573

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

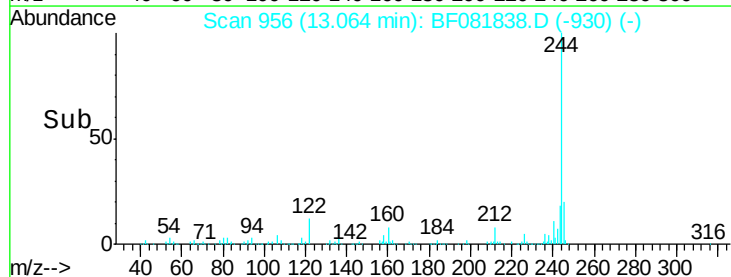
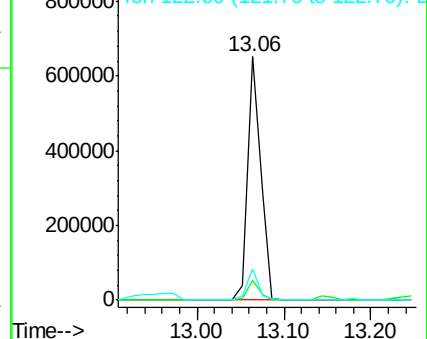
122 12.6 17.4 26.2#

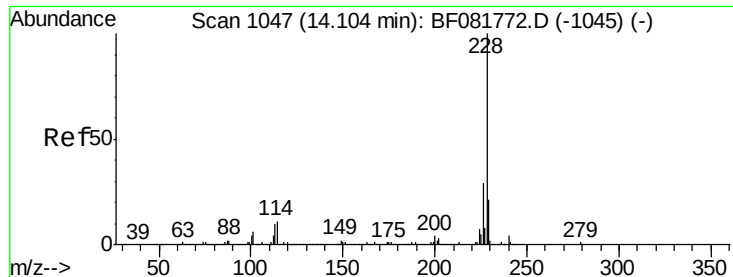


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

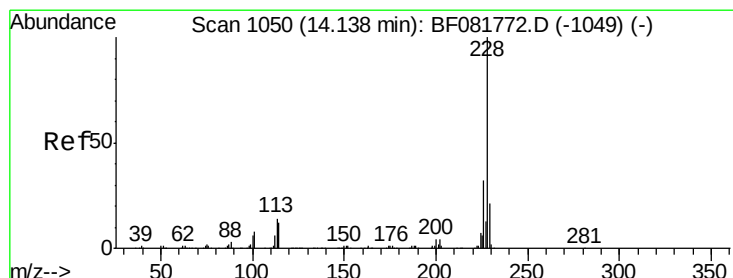
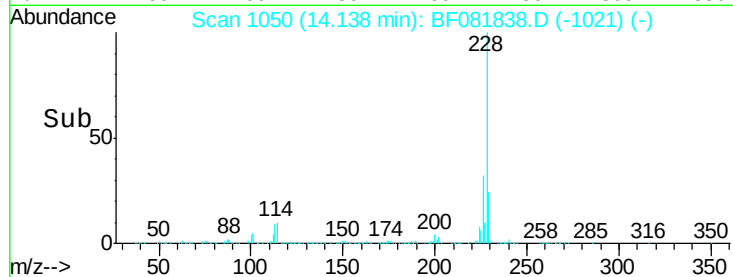
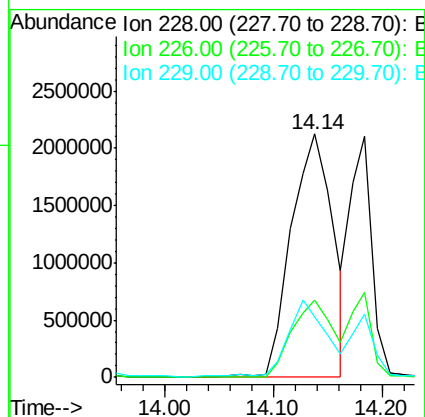
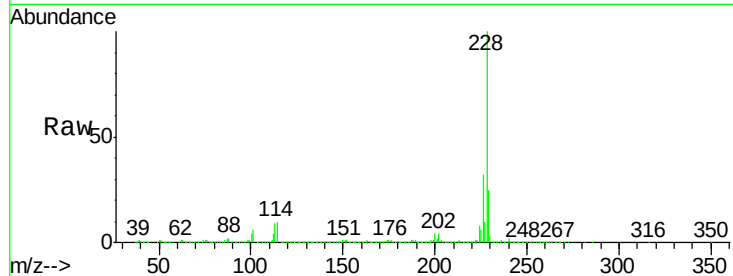




#80
Benzo(a)anthracene
Concen: 512.08 ng
RT: 14.14 min Scan# 1050
Delta R.T. 0.03 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

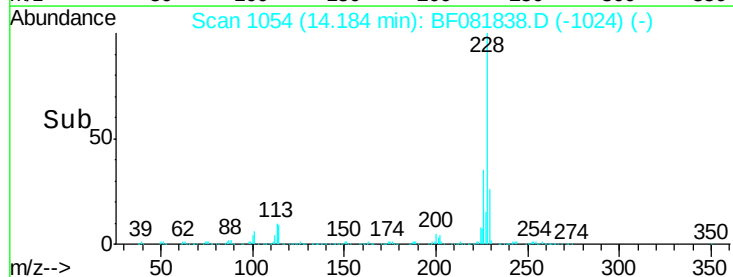
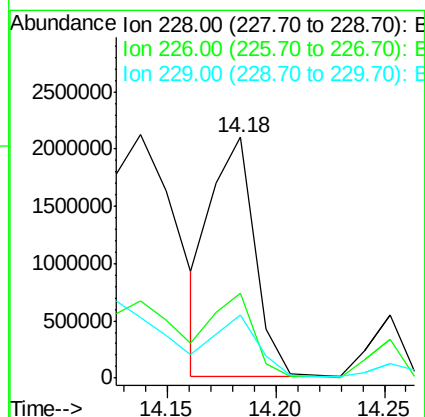
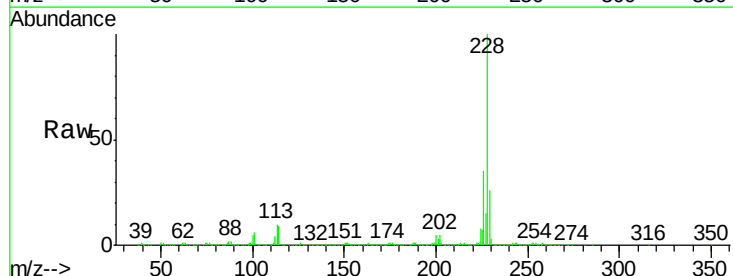
Instrument :
BNA_F
ClientSampleId :
S2-20

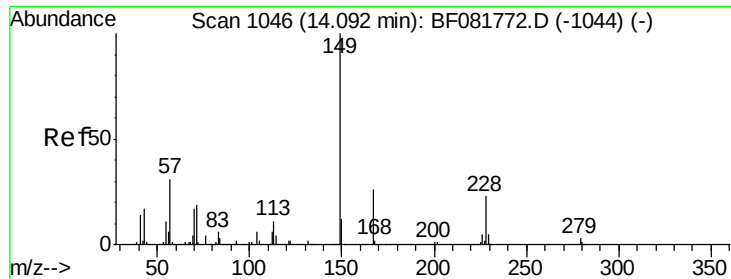
Tgt Ion:228 Resp: 5651419
Ion Ratio Lower Upper
228 100
226 31.9 20.0 30.0#
229 24.6 15.4 23.2#



#82
Chrysene
Concen: 273.96 ng
RT: 14.18 min Scan# 1054
Delta R.T. 0.05 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Tgt Ion:228 Resp: 2899682
Ion Ratio Lower Upper
228 100
226 35.5 21.0 31.4#
229 26.2 15.6 23.4#

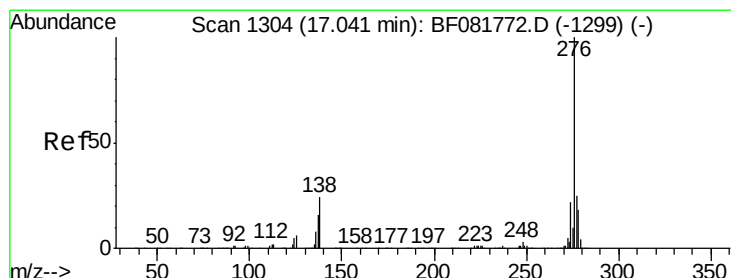
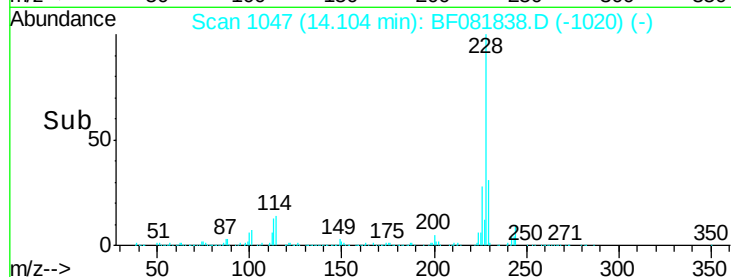
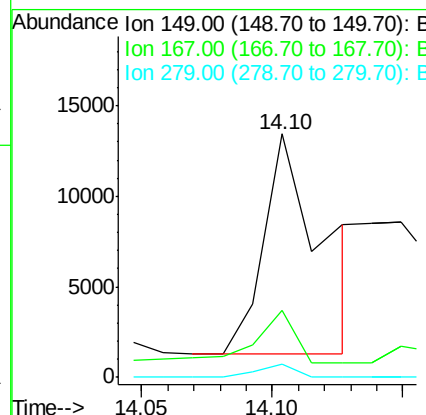
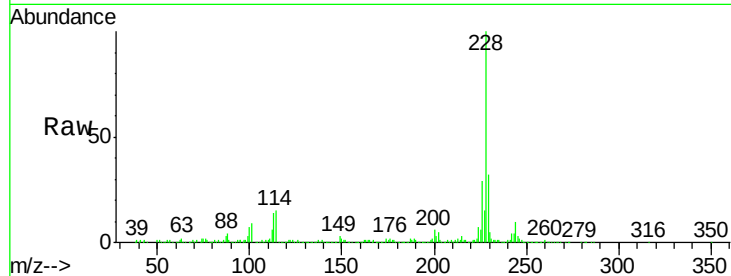




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.85 ng
 RT: 14.10 min Scan# 1047
 Delta R.T. 0.01 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

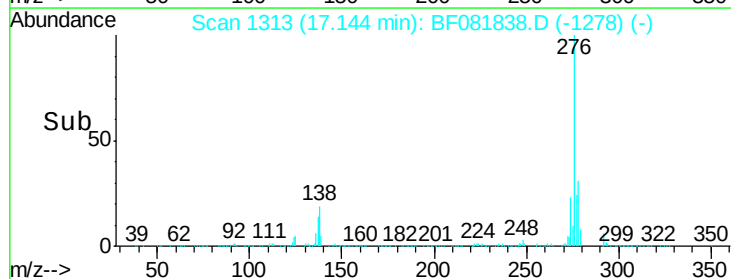
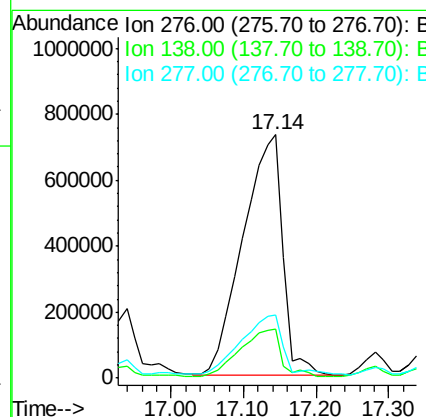
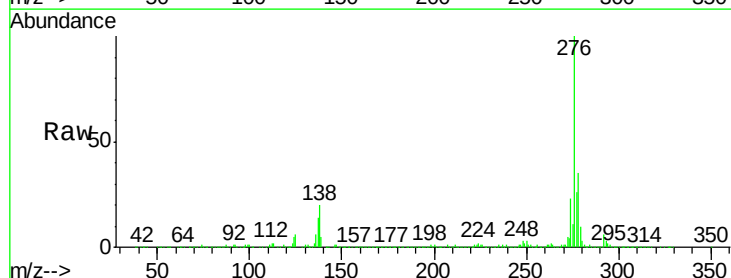
Instrument :
 BNA_F
 ClientSampleId :
 S2-20

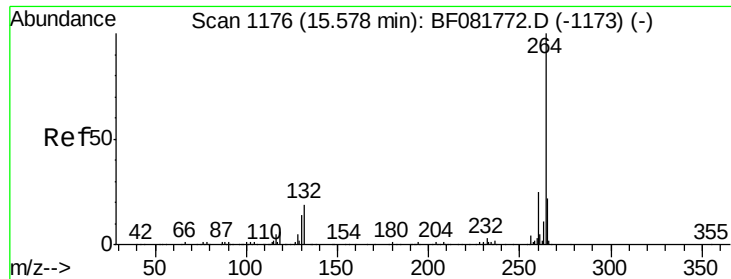
Tgt Ion:149 Resp: 18904
 Ion Ratio Lower Upper
 149 100
 167 27.8 24.2 36.2
 279 5.5 3.8 5.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 290.31 ng
 RT: 17.14 min Scan# 1313
 Delta R.T. 0.10 min
 Lab File: BF081838.D
 Acq: 26 Sep 2015 20:27

Tgt Ion:276 Resp: 2813082
 Ion Ratio Lower Upper
 276 100
 138 20.7 25.7 38.5#
 277 24.1 15.6 23.4#

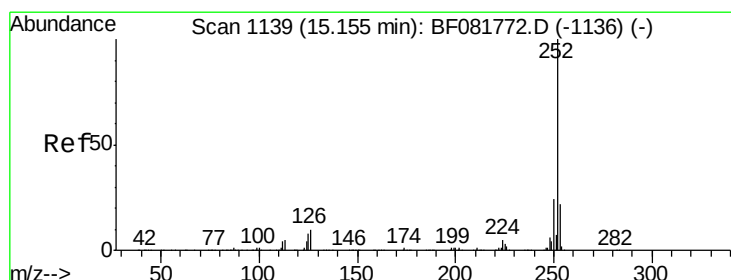
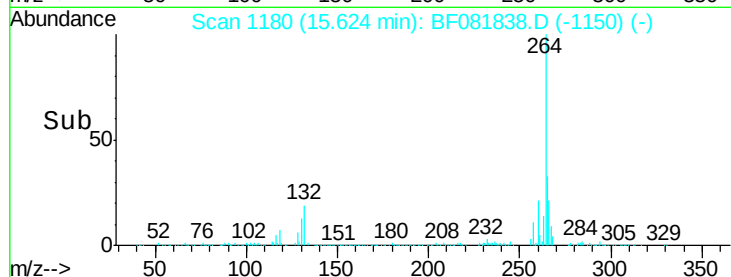
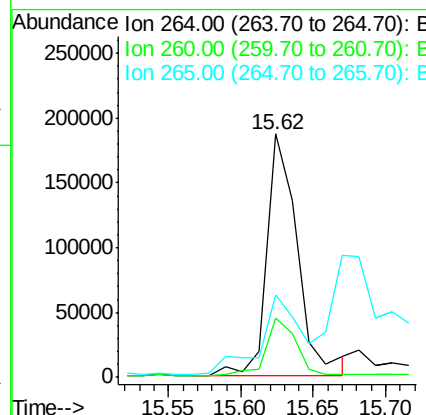
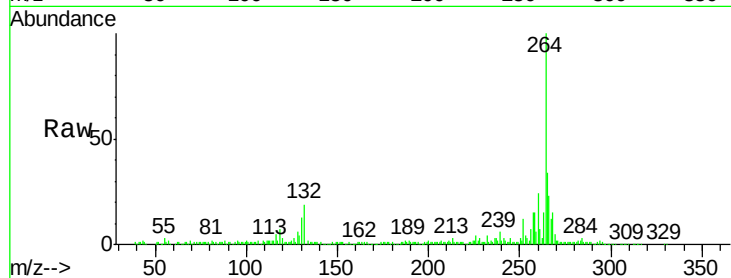




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1180
Delta R.T. 0.05 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

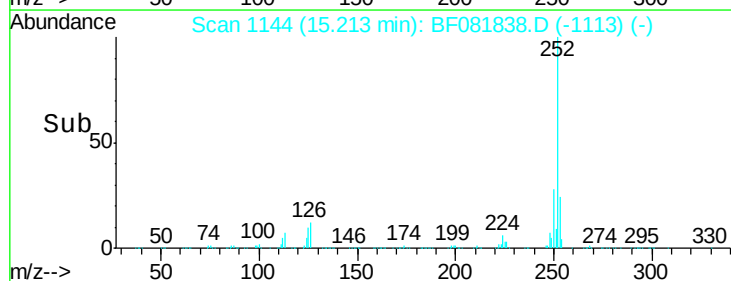
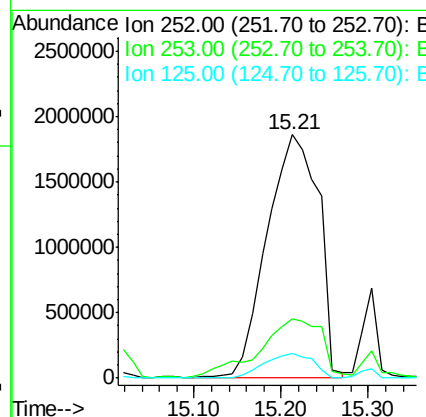
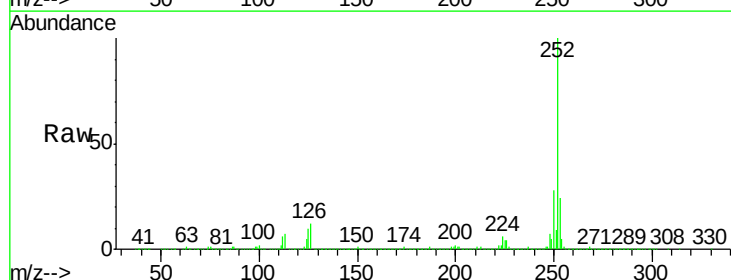
Instrument :
BNA_F
ClientSampleId :
S2-20

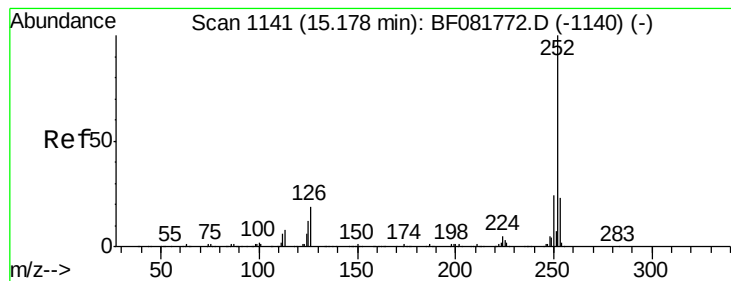
Tgt Ion: 264 Resp: 275229
Ion Ratio Lower Upper
264 100
260 24.1 16.7 25.1
265 33.9 17.2 25.8#



#87
Benzo(b)fluoranthene
Concen: 465.83 ng
RT: 15.21 min Scan# 1144
Delta R.T. 0.06 min
Lab File: BF081838.D
Acq: 26 Sep 2015 20:27

Tgt Ion: 252 Resp: 7603027
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 10.0 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 483.61 ng

RT: 15.21 min Scan# 1144

Delta R.T. 0.03 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

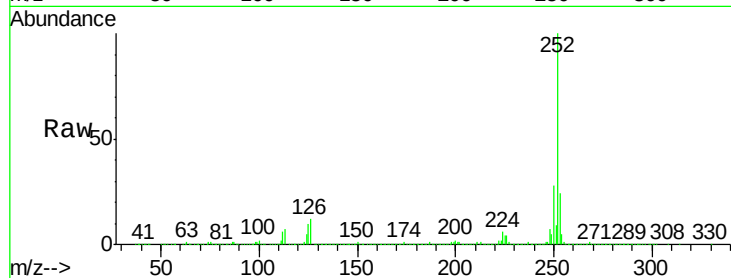
Tgt Ion:252 Resp: 7603027

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

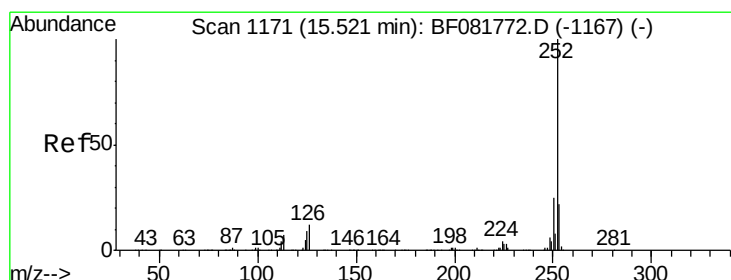
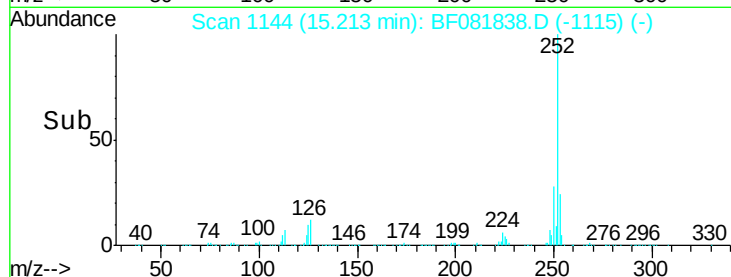
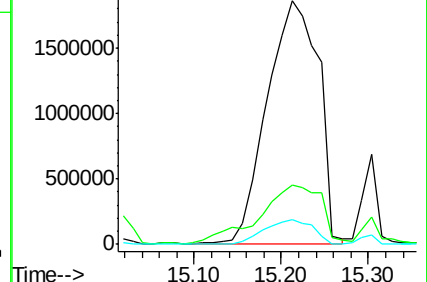
125 10.0 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 240.06 ng

RT: 15.59 min Scan# 1177

Delta R.T. 0.07 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

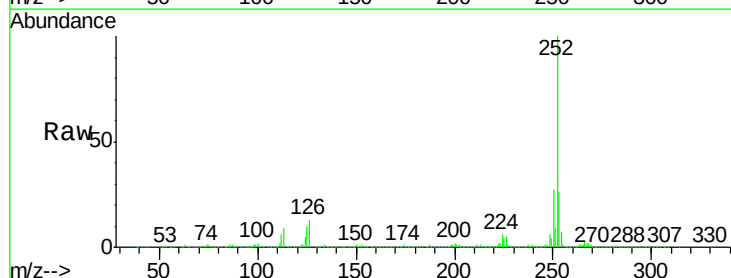
Tgt Ion:252 Resp: 3537584

Ion Ratio Lower Upper

252 100

253 26.3 17.2 25.8#

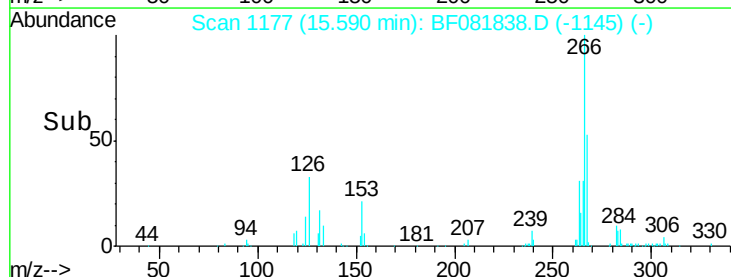
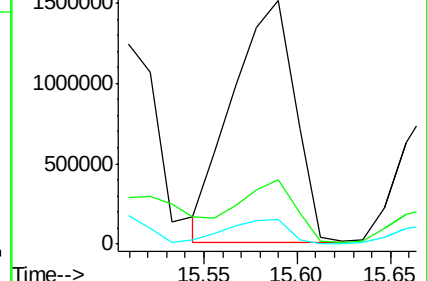
125 10.1 18.0 27.0#

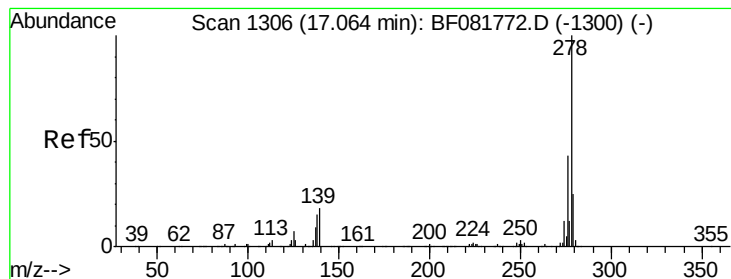


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 49.21 ng

RT: 17.14 min Scan# 1313

Delta R.T. 0.08 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

Instrument :

BNA_F

ClientSampleId :

S2-20

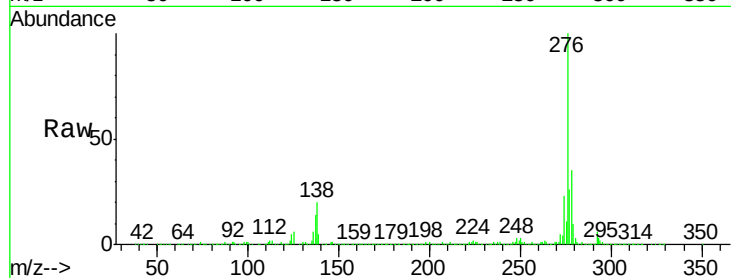
Tgt Ion:278 Resp: 755728

Ion Ratio Lower Upper

278 100

139 15.6 26.3 39.5#

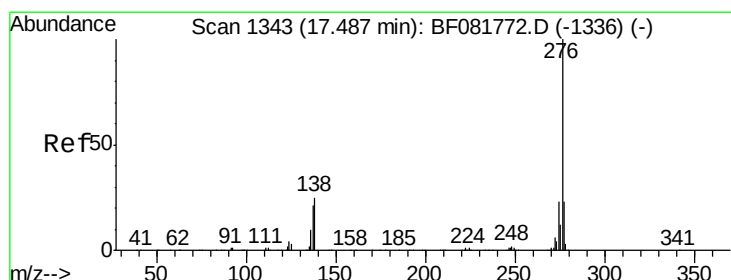
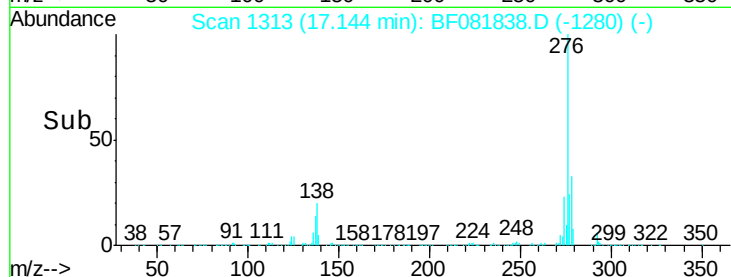
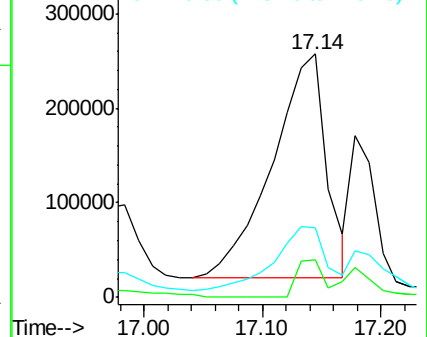
279 28.7 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 156.87 ng

RT: 17.59 min Scan# 1352

Delta R.T. 0.10 min

Lab File: BF081838.D

Acq: 26 Sep 2015 20:27

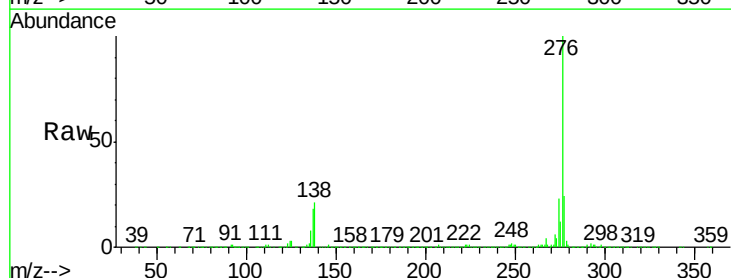
Tgt Ion:276 Resp: 2483669

Ion Ratio Lower Upper

276 100

277 24.5 17.8 26.6

138 21.0 34.6 51.8#



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

