

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096181.D
 Acq On : 24 Jun 2017 10:12
 Operator : SJ/MA
 Sample : I3870-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:19:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	66918	20.00	ng	-0.02
21) Naphthalene-d8	9.38	136	85402	20.00	ng	0.05
38) Acenaphthene-d10	12.12	164	126644	20.00	ng	-0.03
63) Phenanthrene-d10	14.52	188	207437	20.00	ng	-0.02
75) Chrysene-d12	18.25	240	157841	20.00	ng	-0.02
86) Perylene-d12	19.93	264	118774	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	10000	2.38	ng	0.08
7) Phenol-d6	6.91	99	50566	10.06	ng	0.04
23) Nitrobenzene-d5	8.21	82	313109	227.69	ng	-0.01
41) 2,4,6-Tribromophenol	13.42	330	13705	12.23	ng	-0.03
44) 2-Fluorobiphenyl	11.09	172	624131	68.58	ng	-0.02
78) Terphenyl-d14	16.90	244	461725	72.60	ng	-0.02

Target Compounds						Qvalue
3) Pyridine	2.21	79	94526	20.13	ng	96
6) Aniline	6.78	93	333567	50.71	ng	95
9) Benzaldehyde	6.56	77	27794	8.20	ng	# 1
10) Phenol	6.94	94	31905	6.12	ng	95
11) bis(2-Chloroethyl)ether	6.78	93	333567	80.74	ng	# 23
17) 2-Methylphenol	7.82	107	257349	68.68	ng	98
18) Hexachloroethane	7.98	117	17979	10.62	ng	# 1
19) n-Nitroso-di-n-propylamine	8.21	70	41290	12.96	ng	# 79
20) 3+4-Methylphenols	8.10	107	482521	101.44	ng	# 51
22) Acetophenone	8.04	105	28193	14.10	ng	# 85
24) Nitrobenzene	8.32	77	79841	54.35	ng	# 43
27) 2,4-Dimethylphenol	8.97	122	1197831	1003.43	ng	98
28) bis(2-Chloroethoxy)methane	9.07	93	3637	2.15	ng	# 1
31) Naphthalene	9.41	128	15125790	3529.09	ng	98
32) Benzoic acid	9.29	122	155389	191.20	ng	# 16
33) 4-Chloroaniline	9.42	127	2157931	1288.15	ng	# 34
35) Caprolactam	10.32	113	2601	7.60	ng	# 56
36) 4-Chloro-3-methylphenol	10.44	107	8801	7.31	ng	# 1
37) 2-Methylnaphthalene	10.50	142	2236901	772.44	ng	99
45) 1,1'-Biphenyl	11.23	154	388469	37.22	ng	98
47) 2-Nitroaniline	11.48	65	6405	2.68	ng	# 32
48) Acenaphthylene	11.89	152	194345	13.94	ng	99
49) Dimethylphthalate	11.80	163	54436	5.66	ng	# 95
51) Acenaphthene	12.18	154	573325	71.18	ng	99
53) 2,4-Dinitrophenol	12.66	184	1232	7.43	ng	93
54) Dibenzofuran	12.47	168	732537	64.62	ng	99
55) 4-Nitrophenol	12.63	139	8709	10.38	ng	# 43
57) Fluorene	13.02	166	460357	46.67	ng	97
62) Azobenzene	13.33	77	24932	2.97	ng	# 29
65) n-Nitrosodiphenylamine	13.31	169	23723	3.18	ng	# 37
70) Phenanthrene	14.56	178	669198	55.91	ng	98
71) Anthracene	14.56	178	669198	53.56	ng	99
72) Carbazole	14.96	167	565826	46.47	ng	97
74) Fluoranthene	16.34	202	113086	9.55	ng	95

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096181.D
Acq On : 24 Jun 2017 10:12
Operator : SJ/MA
Sample : I3870-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 26 01:19:28 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration

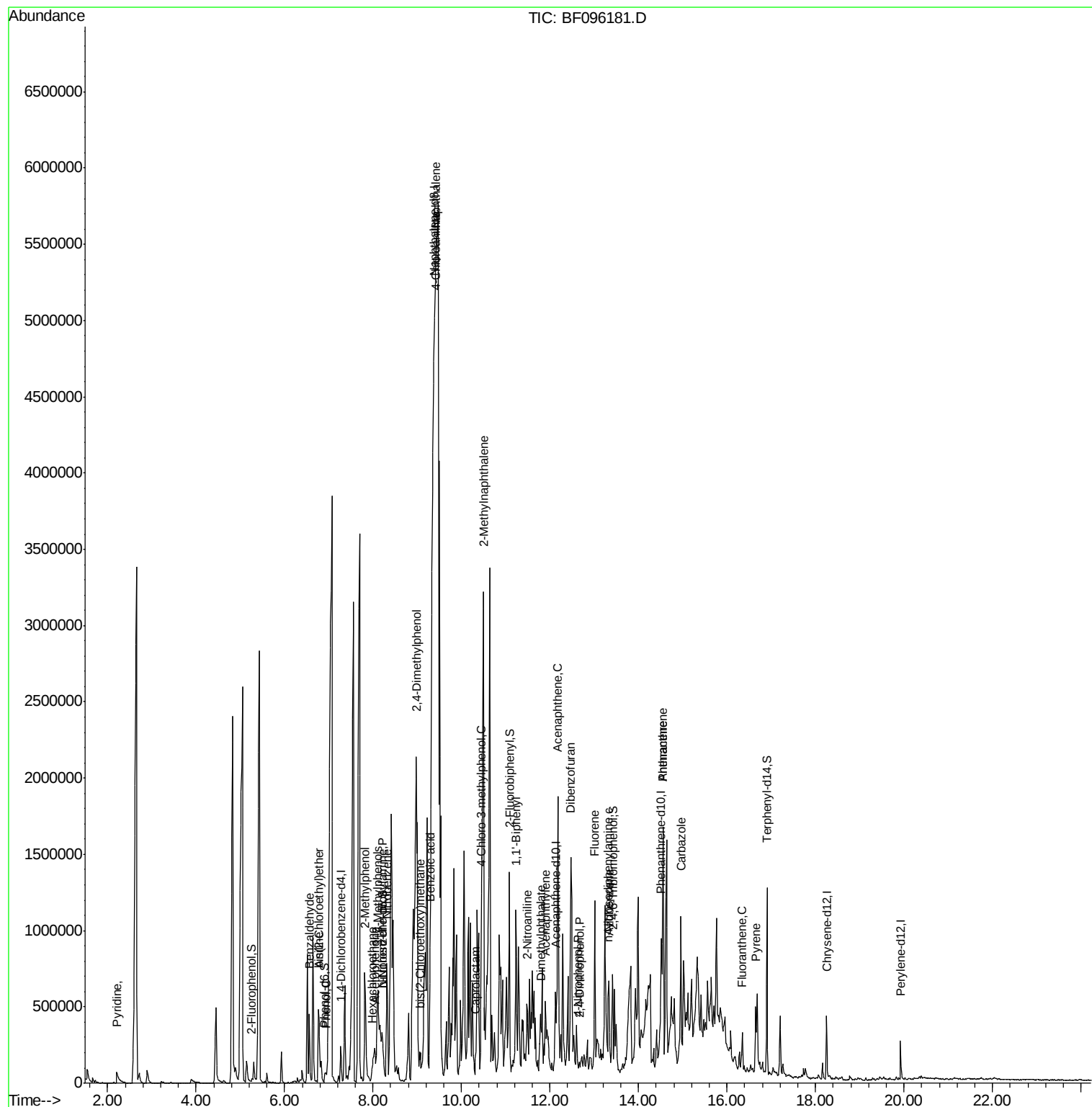
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	16.65	202	80530	6.84	nq	96

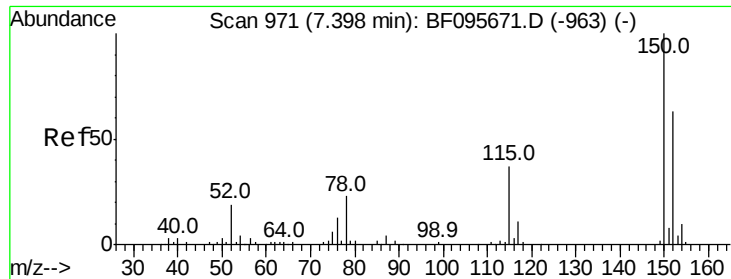
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096181.D
Acq On : 24 Jun 2017 10:12
Operator : SJ/MA
Sample : I3870-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Jun 26 01:19:28 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration



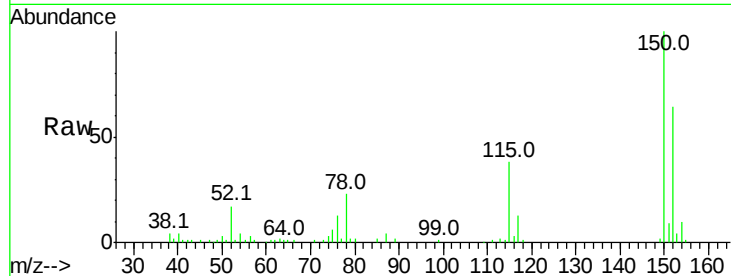


#1

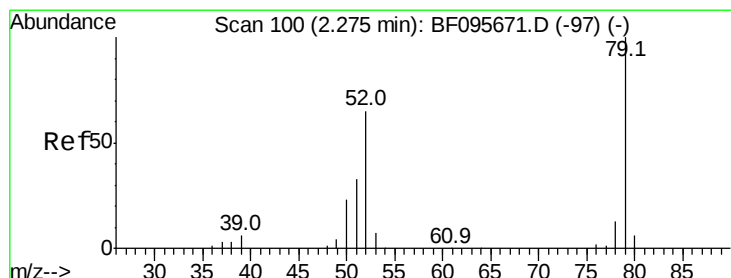
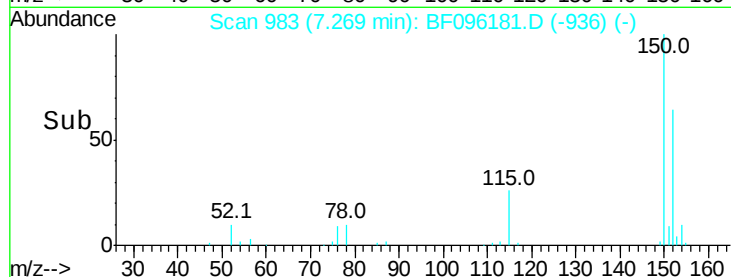
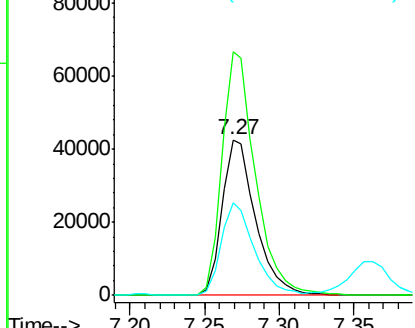
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 983
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66918
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 59.5 52.2 78.2



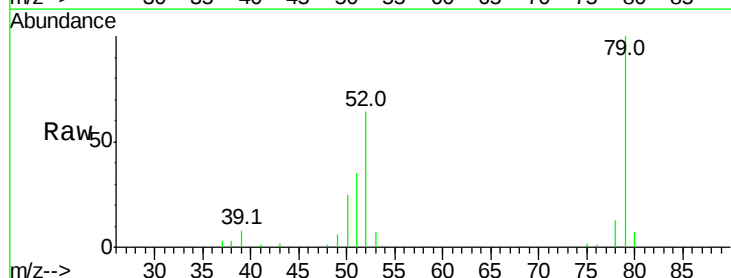
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



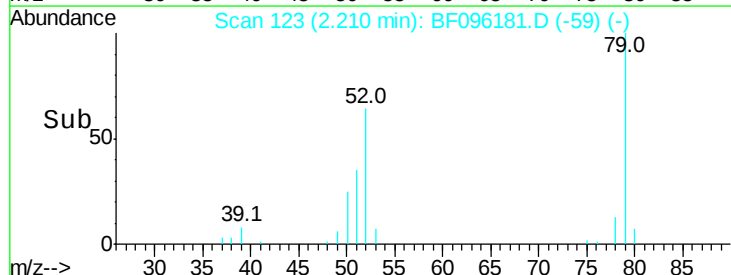
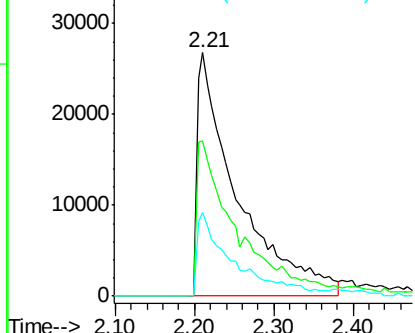
#3

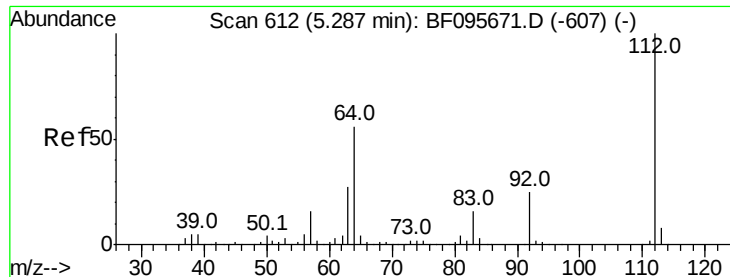
Pyridine
Concen: 20.13 ng
RT: 2.21 min Scan# 123
Delta R.T. 0.08 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion: 79 Resp: 94526
Ion Ratio Lower Upper
79 100
52 64.0 54.8 82.2
51 34.6 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 2.38 ng

RT: 5.26 min Scan# 641

Delta R.T. 0.08 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampled :

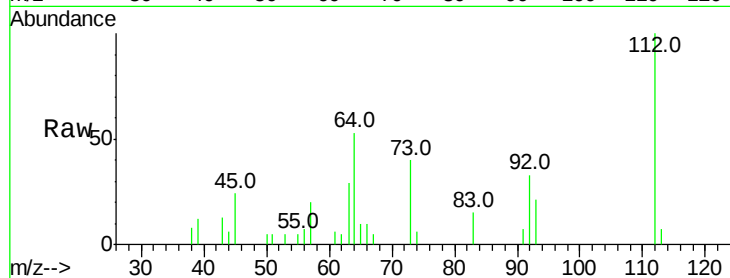
Tot Ion:112 Resp: 10000

Ion Ratio Lower Upper

112 100

64 53.1 46.0 69.0

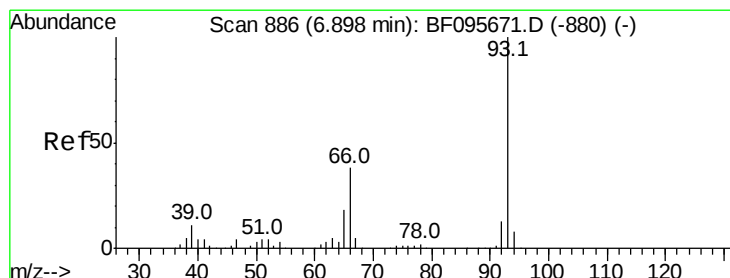
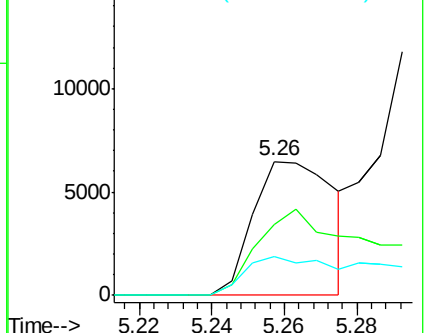
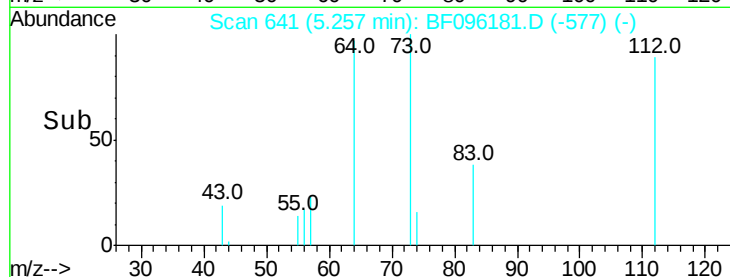
63 29.1 23.4 35.0



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



#6

Aniline

Concen: 50.71 ng

RT: 6.78 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

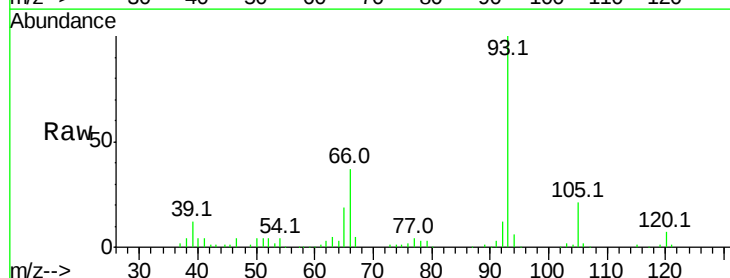
Tgt Ion: 93 Resp: 333567

Ion Ratio Lower Upper

93 100

66 37.0 32.9 49.3

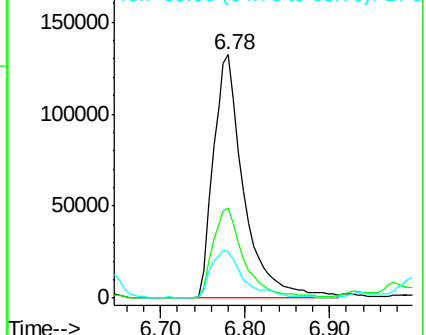
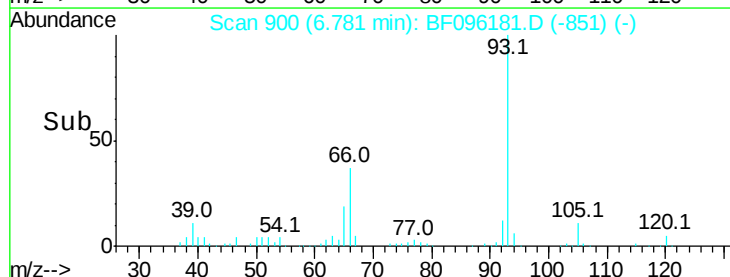
65 19.3 16.0 24.0

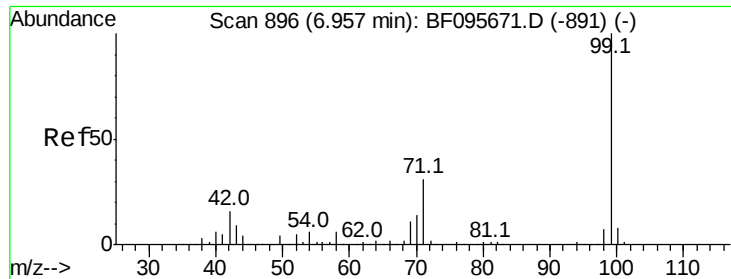


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 10.06 ng

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

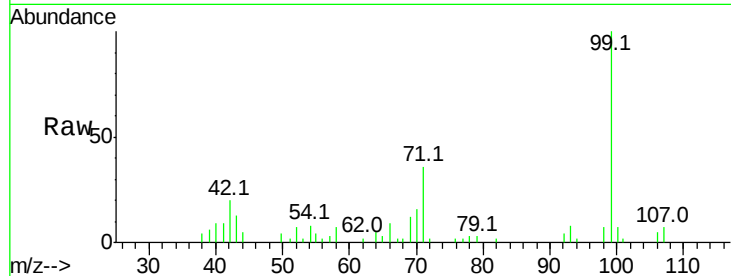
Tot Ion: 99 Resp: 50566

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3

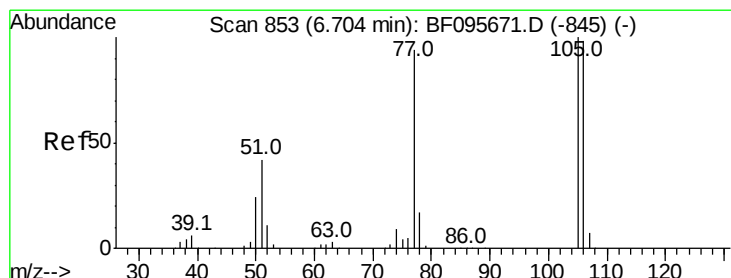
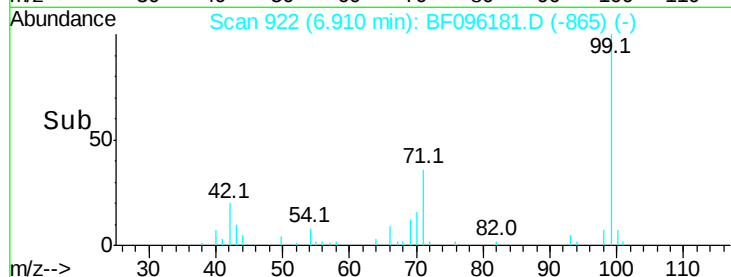
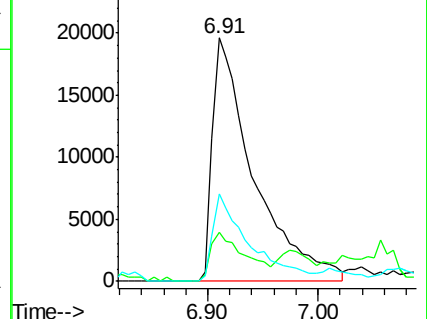
71 35.7 24.5 36.7



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



#9

Benzaldehyde

Concen: 8.20 ng

RT: 6.56 min Scan# 863

Delta R.T. -0.04 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

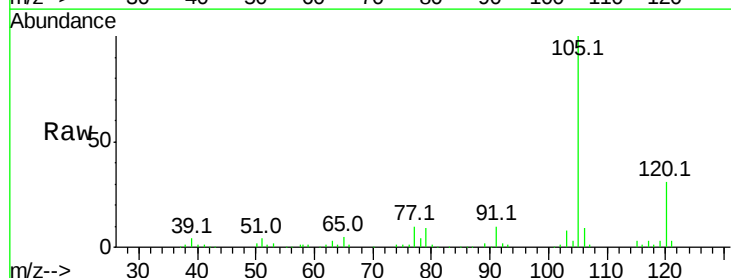
Tgt Ion: 77 Resp: 27794

Ion Ratio Lower Upper

77 100

105 964.0 83.8 123.8#

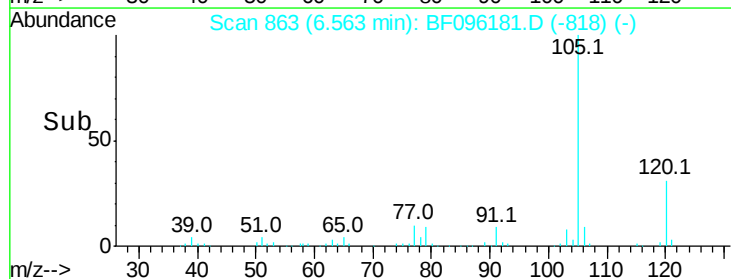
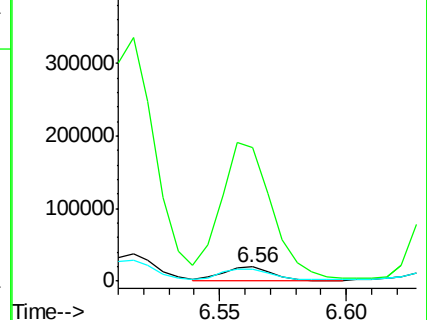
106 86.9 79.1 119.1

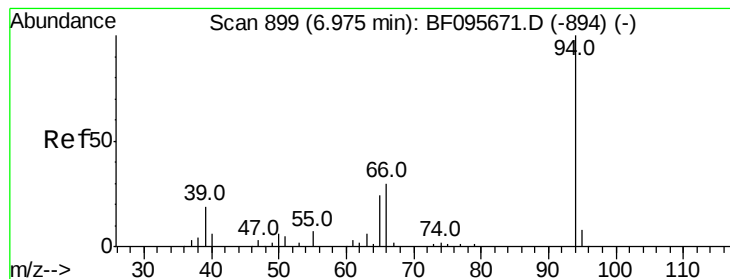


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.12 ng

RT: 6.94 min Scan# 927

Delta R.T. 0.05 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

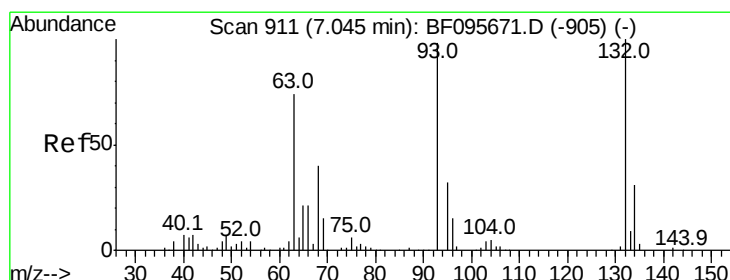
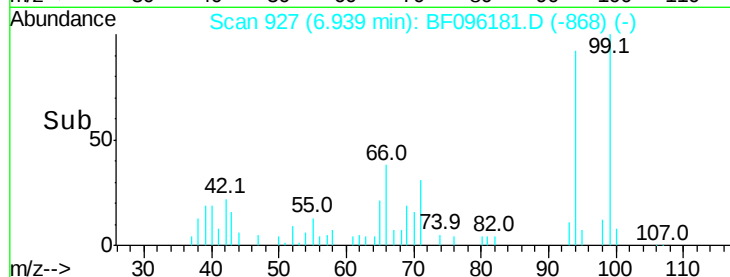
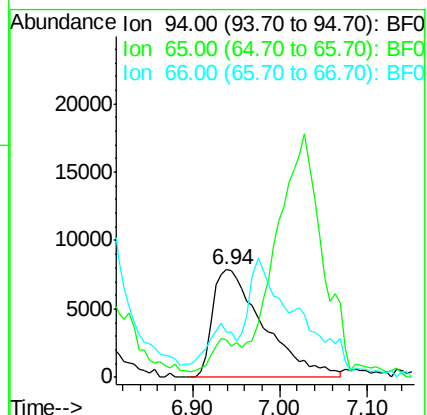
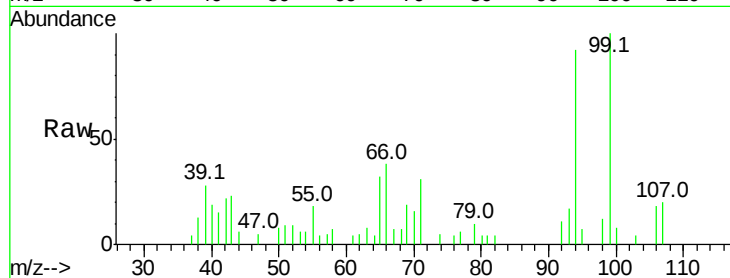
Tot Ion: 94 Resp: 31905

Ion Ratio Lower Upper

94 100

65 34.8 9.9 49.9

66 41.5 23.1 63.1



#11

bis(2-Chloroethyl)ether

Concen: 80.74 ng

RT: 6.78 min Scan# 900

Delta R.T. -0.16 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

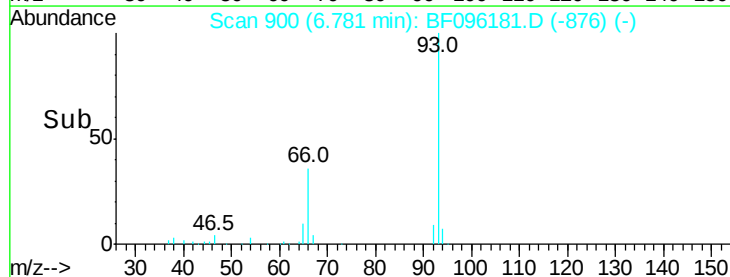
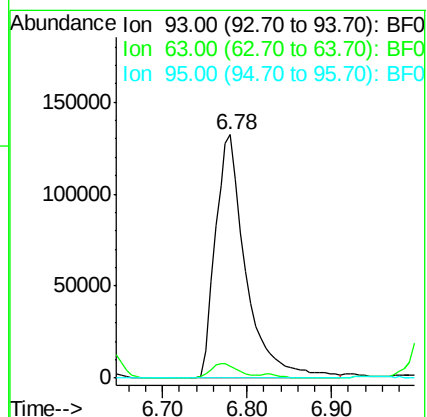
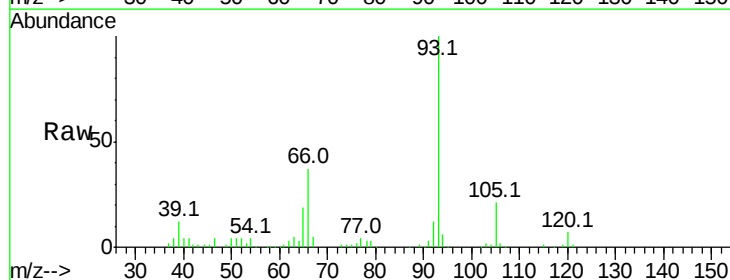
Tgt Ion: 93 Resp: 333567

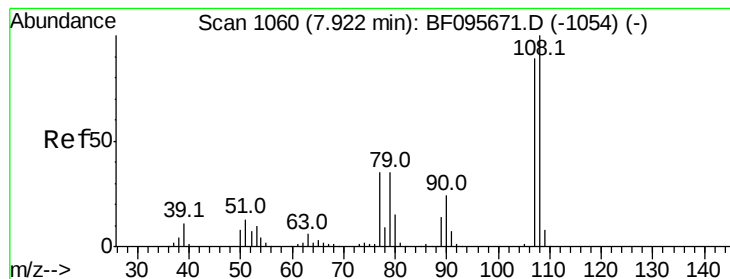
Ion Ratio Lower Upper

93 100

63 5.0 59.2 99.2#

95 0.2 12.8 52.8#





#17

2-Methylphenol

Concen: 68.68 ng

RT: 7.82 min Scan# 1076

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 257349

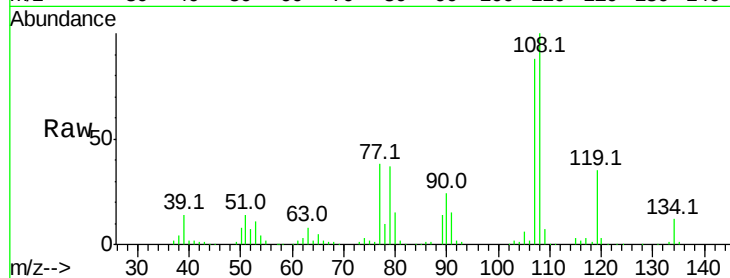
Ion Ratio Lower Upper

107 100

108 113.8 93.4 140.0

77 43.2 35.8 53.6

79 42.2 34.8 52.2

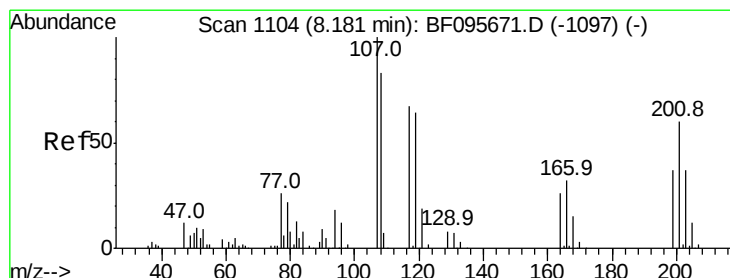
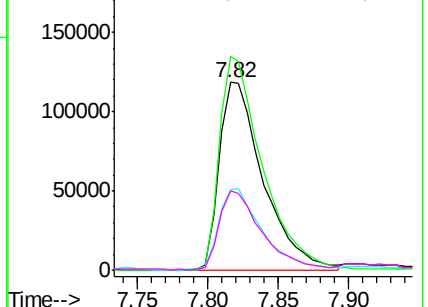
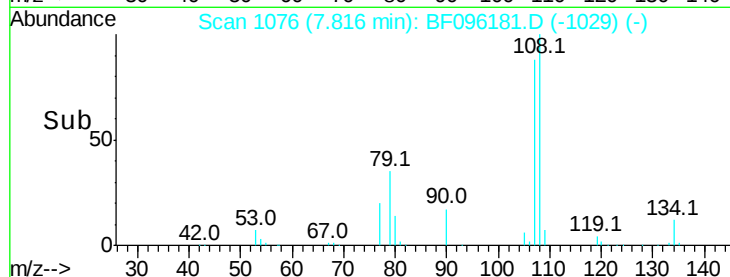


Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.62 ng

RT: 7.98 min Scan# 1104

Delta R.T. -0.09 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

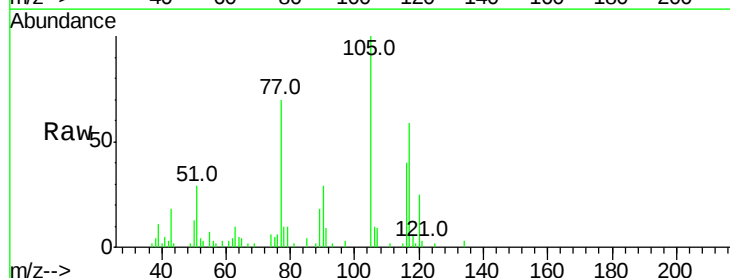
Tgt Ion:117 Resp: 17979

Ion Ratio Lower Upper

117 100

119 3.0 77.4 116.0#

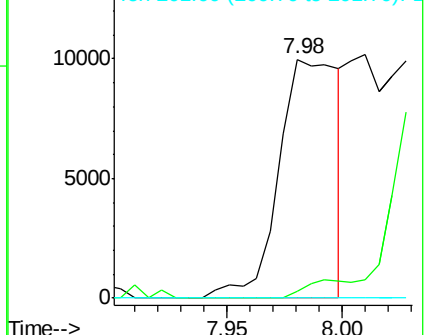
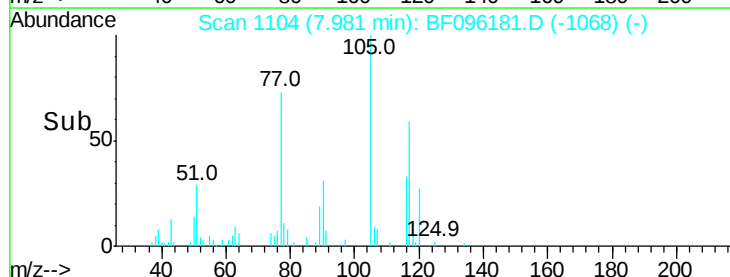
201 0.0 94.6 141.8#

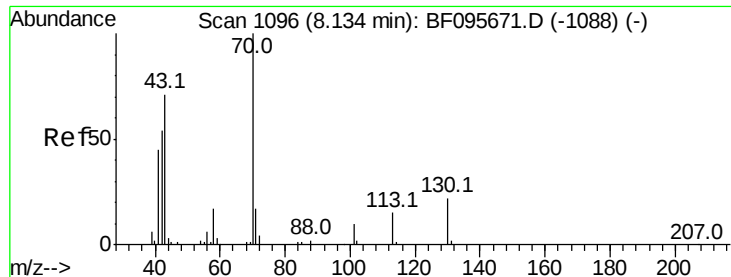


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

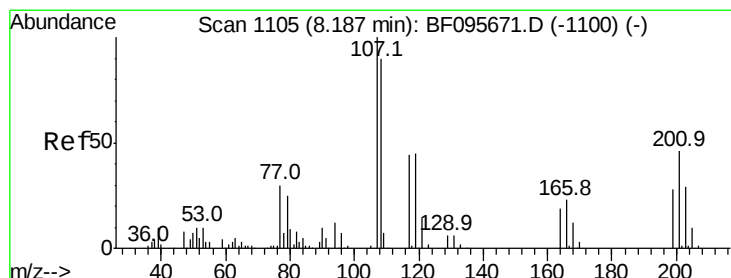
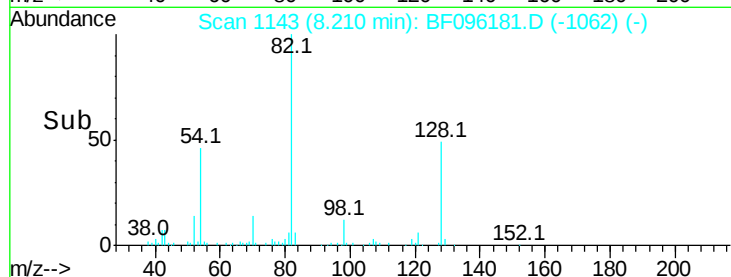
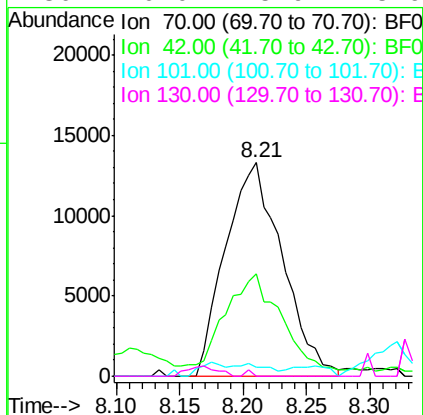
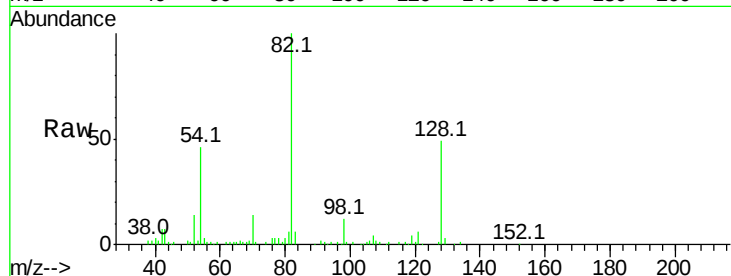




#19
n-Nitroso-di-n-propylamine
Concen: 12.96 ng
RT: 8.21 min Scan# 1143
Delta R.T. 0.18 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

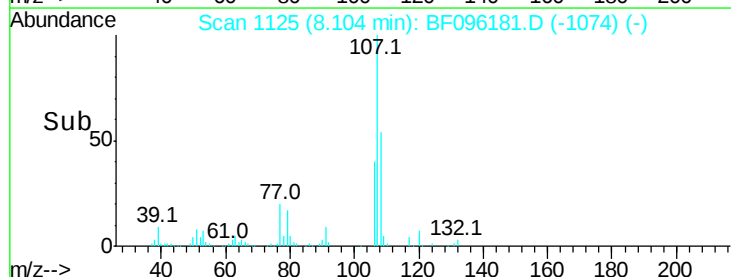
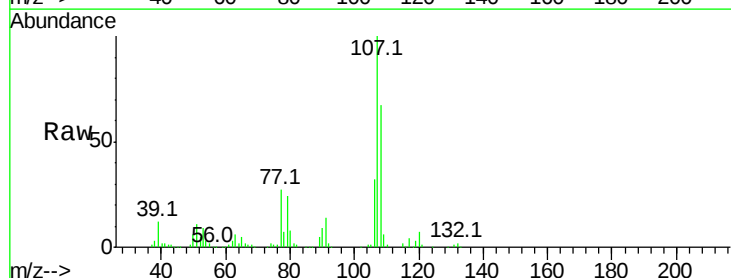
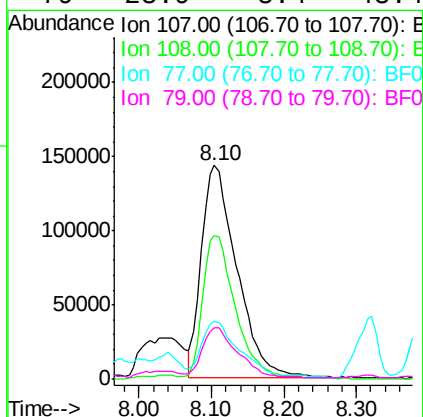
Instrument :
BNA_F
ClientSampleId :

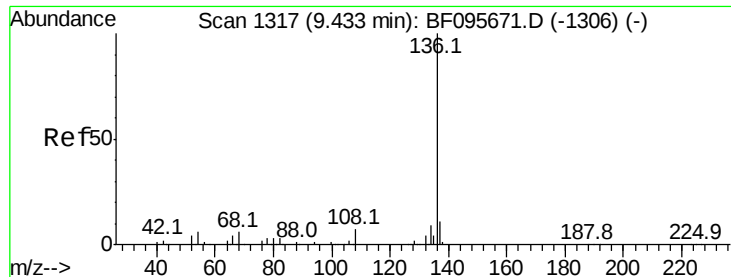
Tot Ion	70	Ratio	Lower	Upper
70	100			
42	48.1	47.2	70.8	
101	4.1	7.2	10.8#	
130	0.0	15.9	23.9#	



#20
3+4-Methylphenols
Concen: 101.44 ng
RT: 8.10 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	107	Ratio	Lower	Upper
107	100			
108	67.3	71.0	111.0#	
77	26.8	90.5	130.5#	
79	23.9	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.38 min Scan# 1342

Delta R.T. 0.05 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 85402

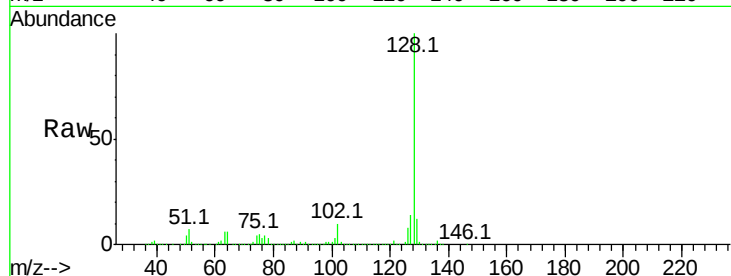
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 5.9 4.9 7.3

68 4.2 4.1 6.1

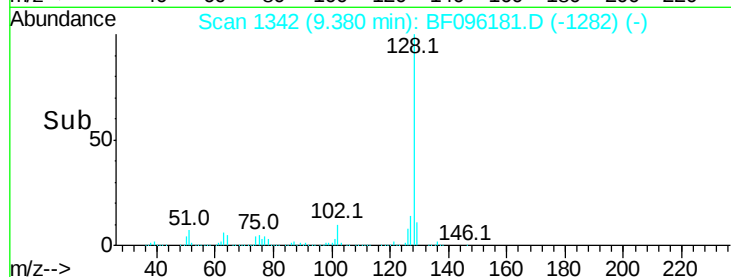


Abundance Ion 136.00 (135.70 to 136.70): E

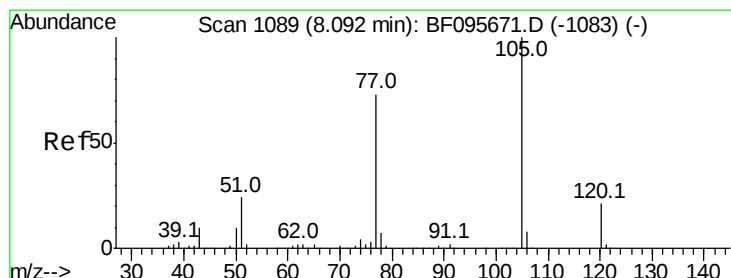
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 14.10 ng

RT: 8.04 min Scan# 1114

Delta R.T. 0.05 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion:105 Resp: 28193

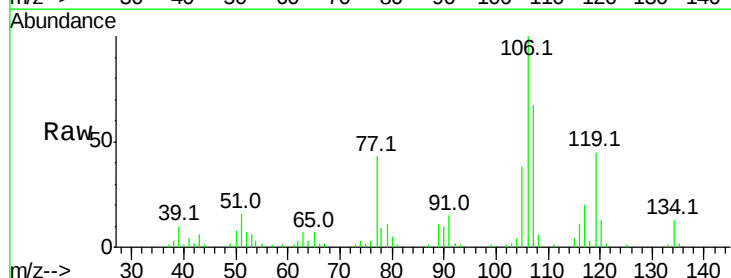
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 42.8 30.7 46.1

120 35.7 17.4 26.0#

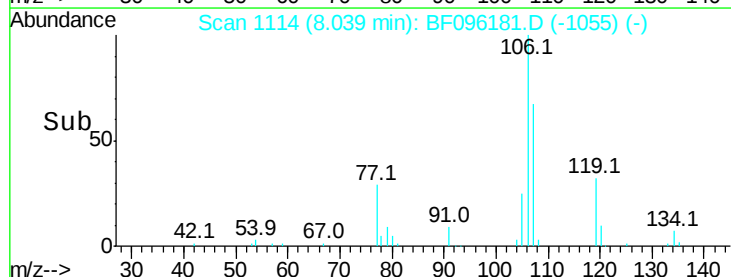


Abundance Ion 105.00 (104.70 to 105.70): E

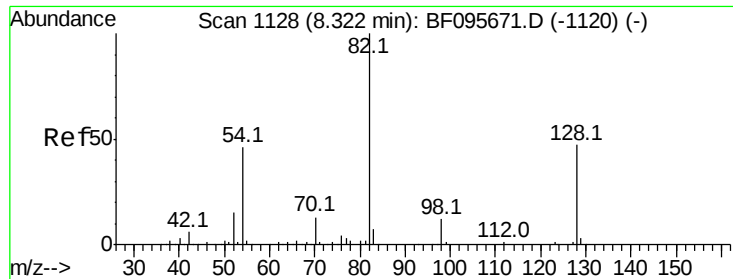
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



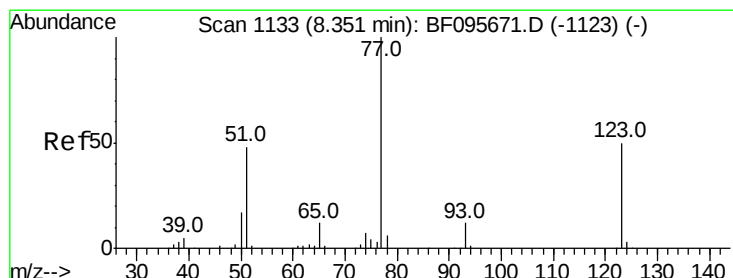
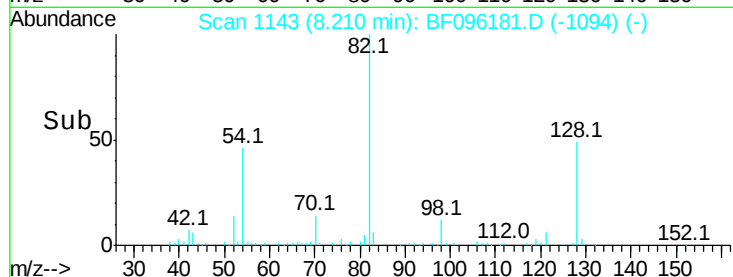
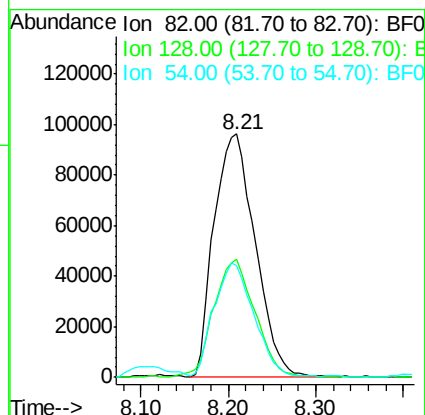
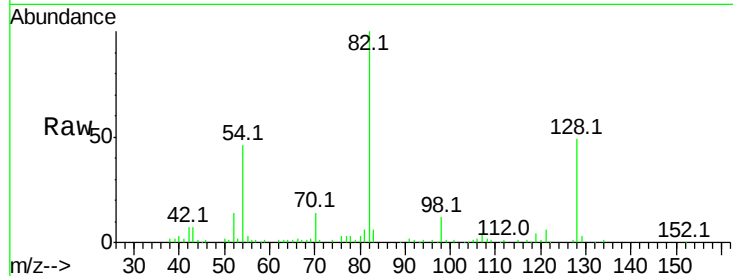
Time-->



#23
 Nitrobenzene-d5
 Concen: 227.69 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

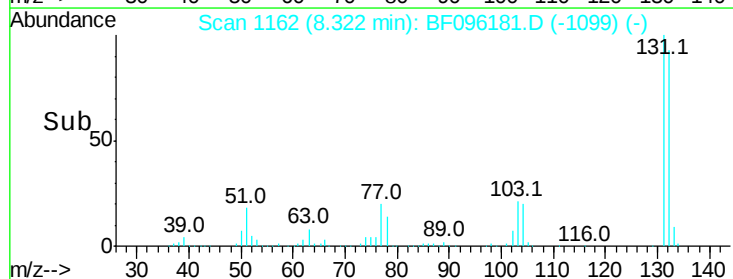
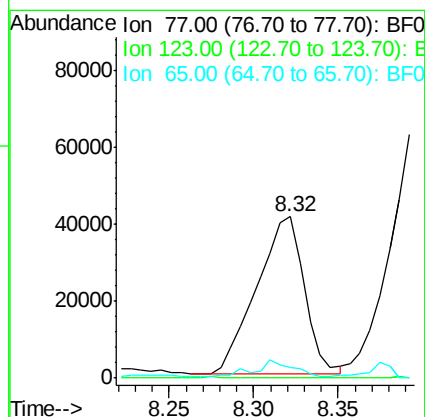
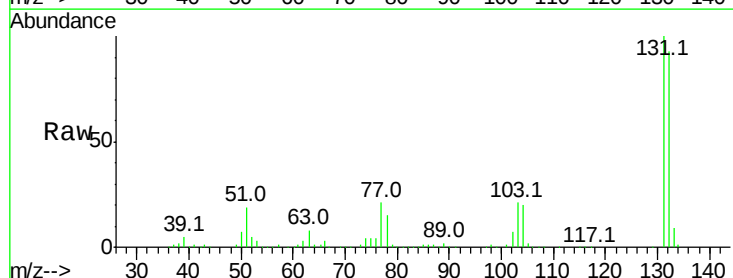
Instrument :
 BNA_F
 ClientSampleId :

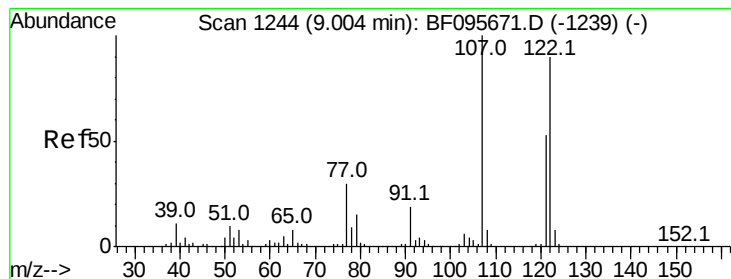
Tot Ion: 82 Resp: 313109
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.0 51.0
 54 45.7 42.2 63.2



#24
 Nitrobenzene
 Concen: 54.35 ng
 RT: 8.32 min Scan# 1162
 Delta R.T. 0.07 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Tgt Ion: 77 Resp: 79841
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 6.8 10.6 15.8#





#27

2,4-Dimethylphenol

Concen: 1003.43 ng

RT: 8.97 min Scan# 1273

Delta R.T. 0.06 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampled :

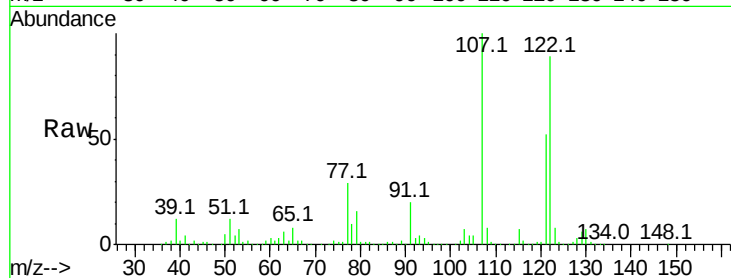
Tot Ion:122 Resp: 1197831

Ion Ratio Lower Upper

122 100

107 112.8 89.2 133.8

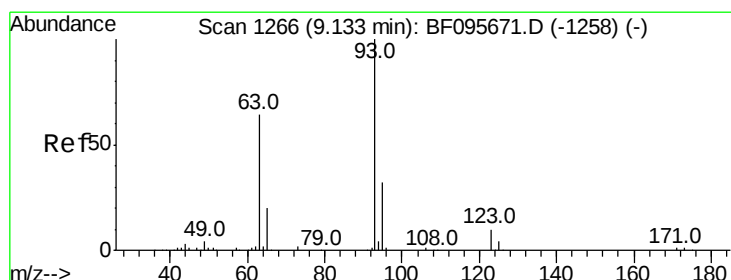
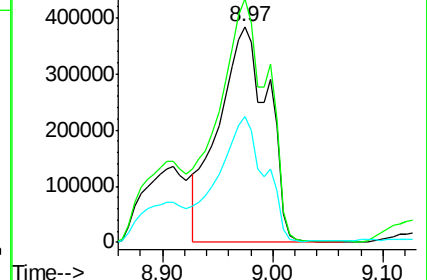
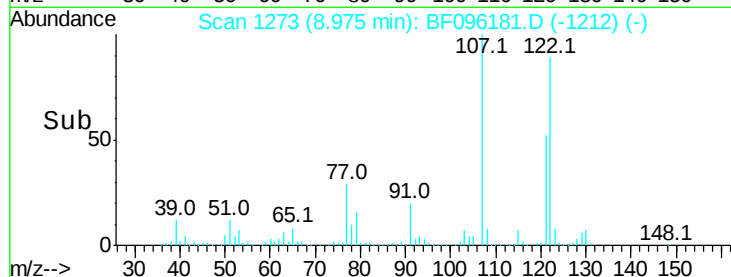
121 58.4 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 2.15 ng

RT: 9.07 min Scan# 1289

Delta R.T. 0.04 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

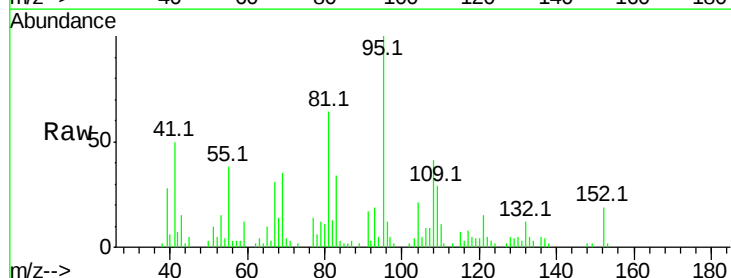
Tgt Ion: 93 Resp: 3637

Ion Ratio Lower Upper

93 100

95 530.1 26.5 39.7#

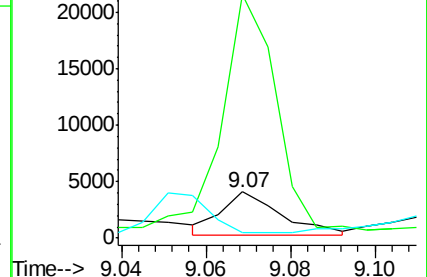
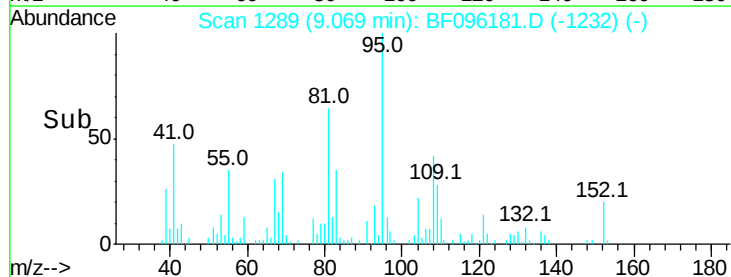
123 13.3 9.0 13.4

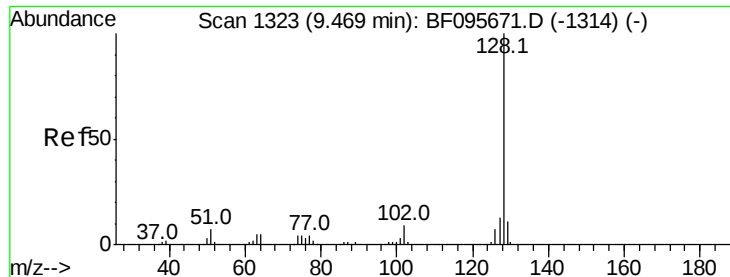


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#31

Naphthalene

Concen: 3529.09 ng

RT: 9.41 min Scan# 1347

Delta R.T. 0.05 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

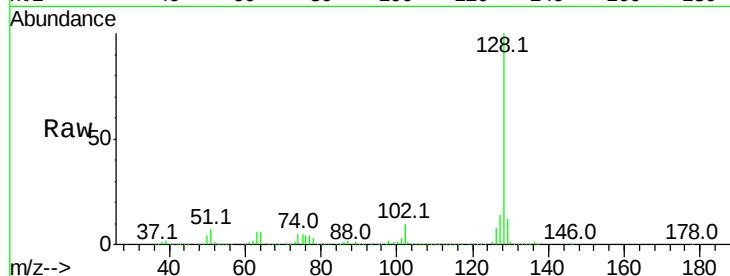
Tot Ion:128 Resp:15125790

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

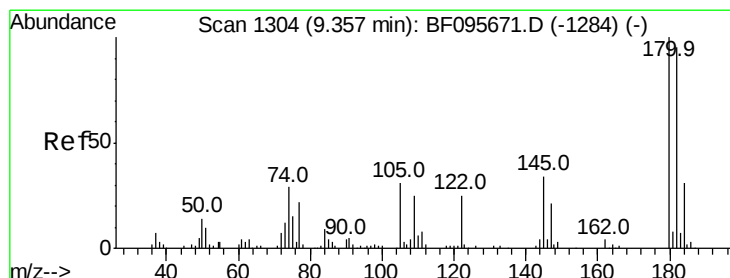
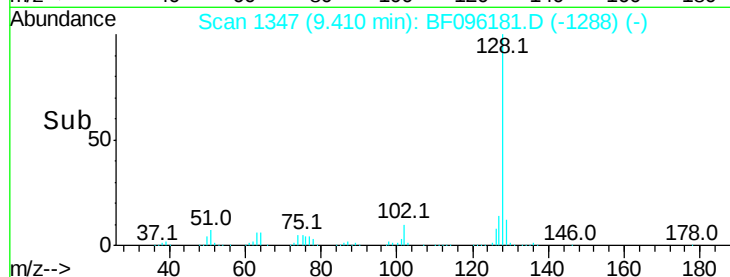
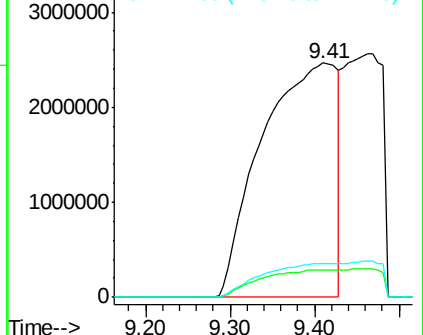
127 14.4 10.8 16.2



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: 191.20 ng

RT: 9.29 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

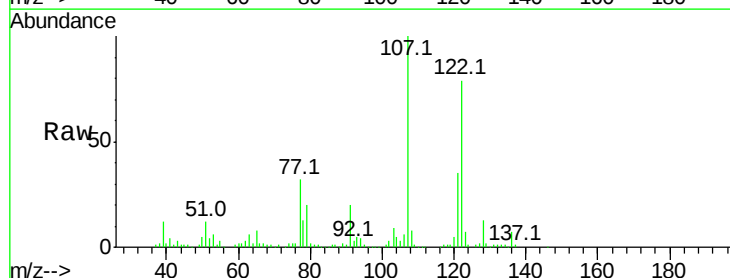
Tgt Ion:122 Resp: 155389

Ion Ratio Lower Upper

122 100

105 4.4 103.3 143.3#

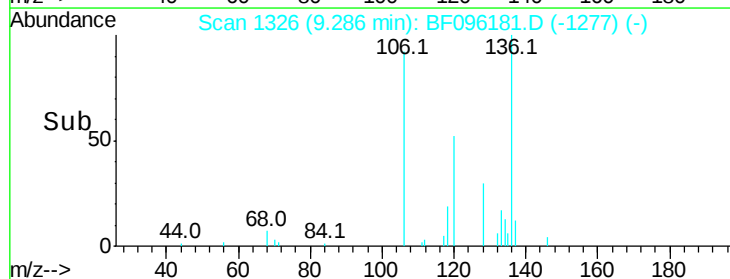
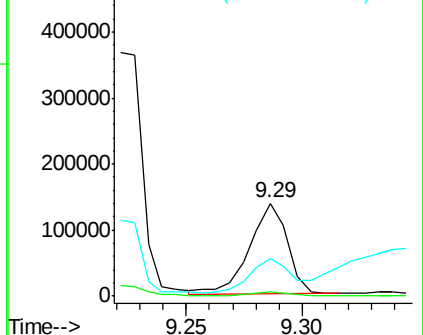
77 40.7 73.7 113.7#

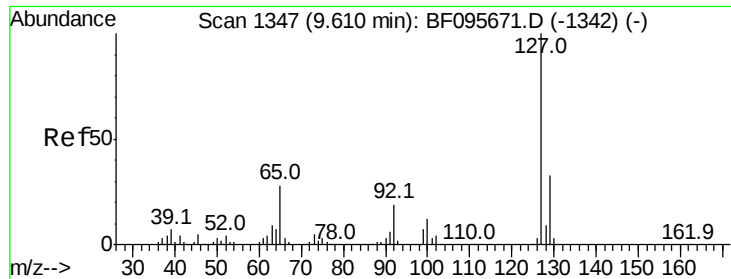


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

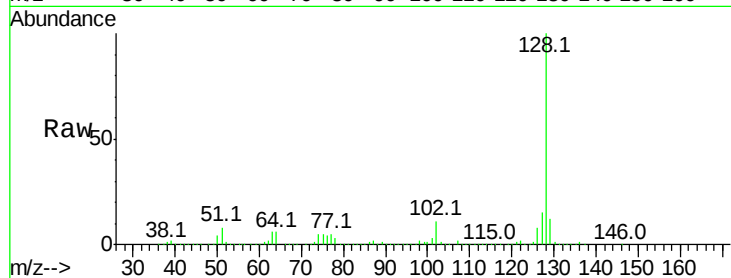




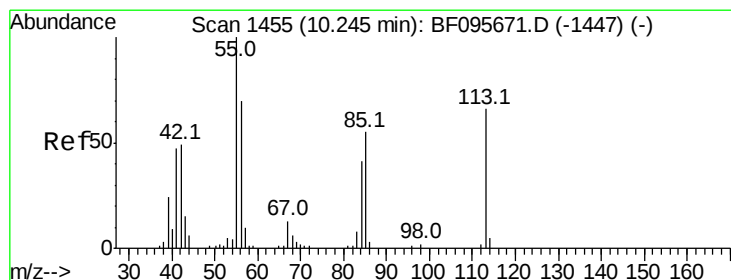
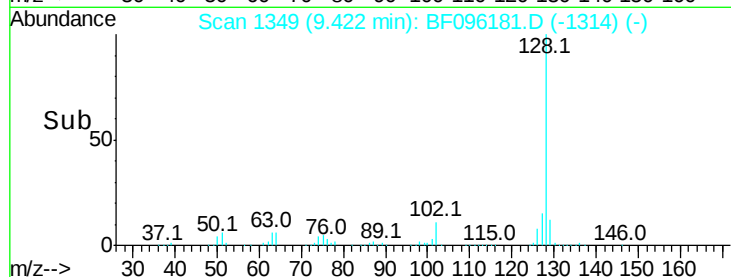
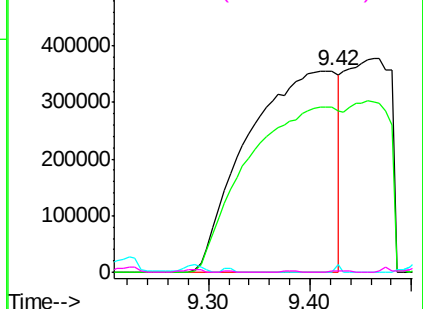
#33
4-Chloroaniline
Concen: 1288.15 ng
RT: 9.42 min Scan# 1349
Delta R.T. -0.09 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:127 Resp: 2157931
Ion Ratio Lower Upper
127 100
129 82.0 26.2 39.2#
65 0.0 27.8 41.8#
92 0.5 16.8 25.2#

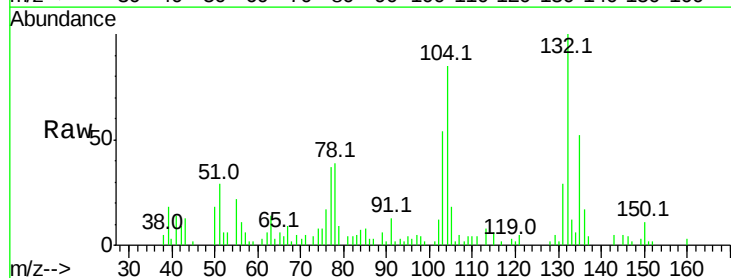


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

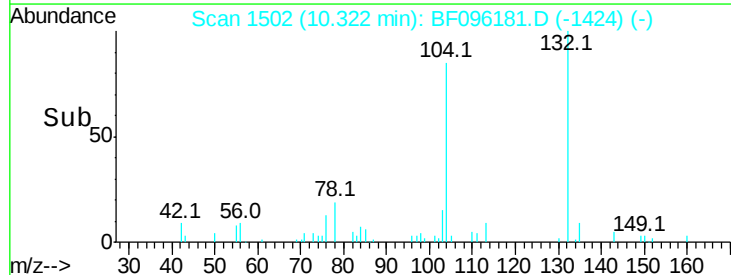
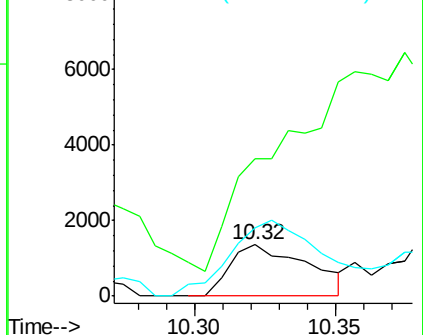


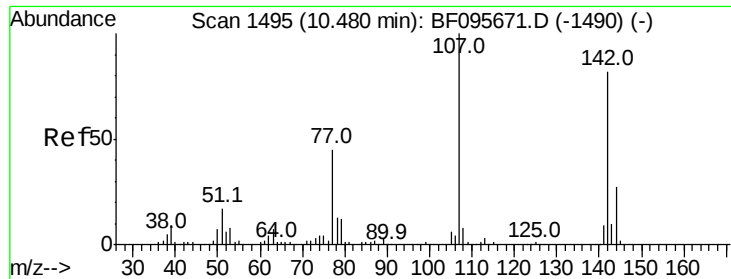
#35
Caprolactam
Concen: 7.60 ng
RT: 10.32 min Scan# 1502
Delta R.T. 0.16 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion:113 Resp: 2601
Ion Ratio Lower Upper
113 100
55 270.0 150.2 190.2#
56 134.9 107.8 147.8



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

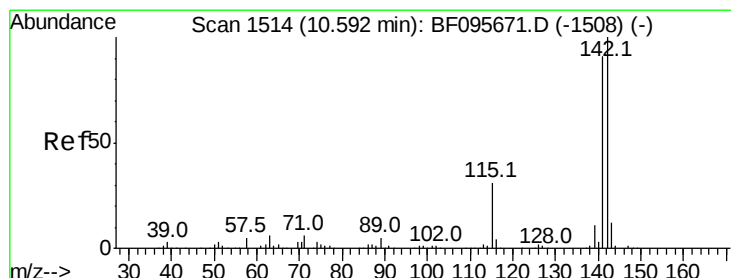
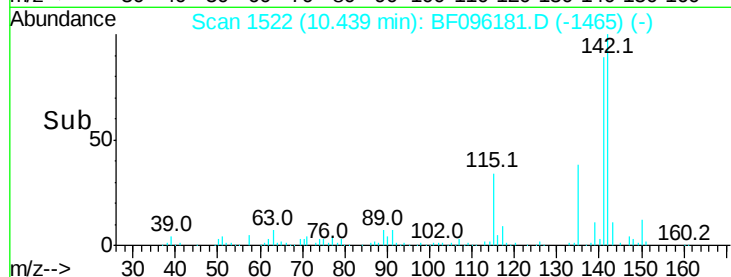
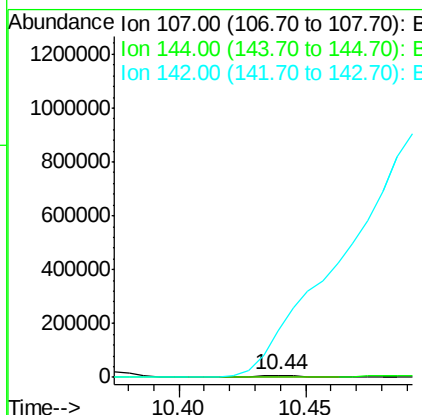
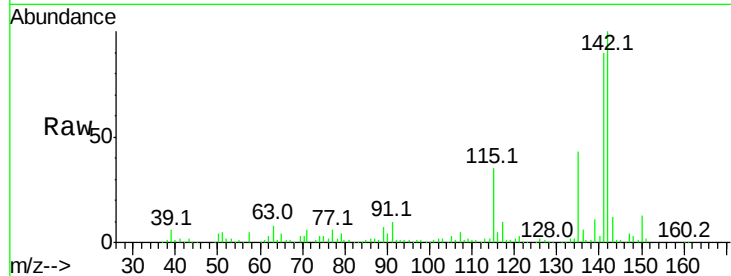




#36
 4-Chloro-3-methylphenol
 Concen: 7.31 ng
 RT: 10.44 min Scan# 1522
 Delta R.T. 0.04 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

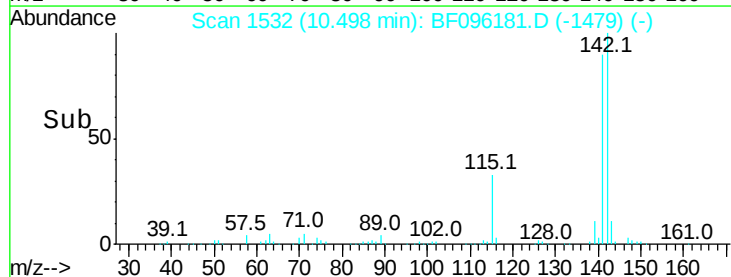
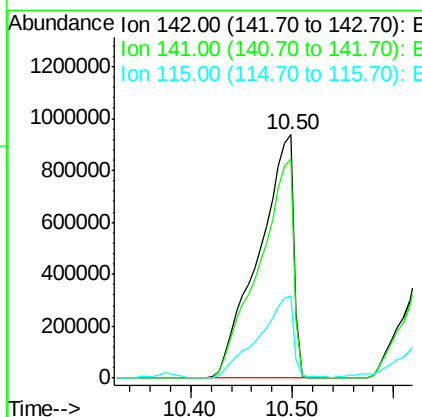
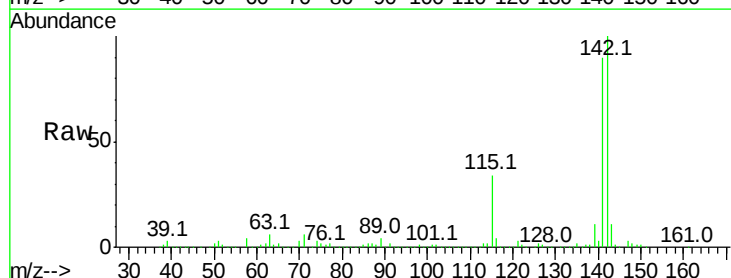
Instrument :
 BNA_F
 ClientSampleId :

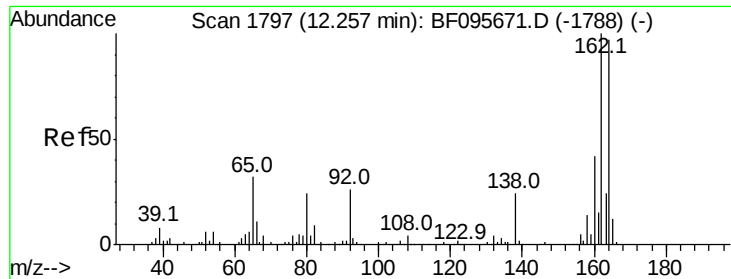
Tot Ion:107 Resp: 8801
 Ion Ratio Lower Upper
 107 100
 144 22.8 24.2 36.4#
 142 2180.7 73.4 110.0#



#37
 2-Methylnaphthalene
 Concen: 772.44 ng
 RT: 10.50 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Tgt Ion:142 Resp: 2236901
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.3 106.9
 115 33.8 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1808

Delta R.T. -0.03 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampled :

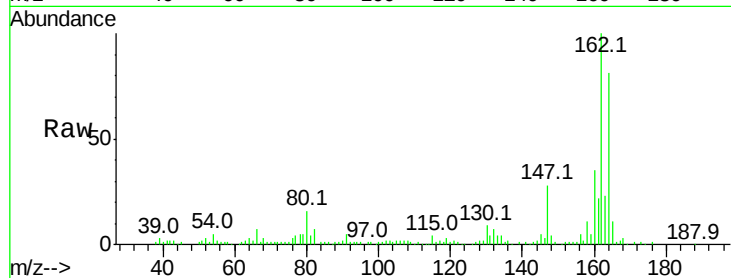
Tot Ion:164 Resp: 126644

Ion Ratio Lower Upper

164 100

162 123.5 82.6 123.8

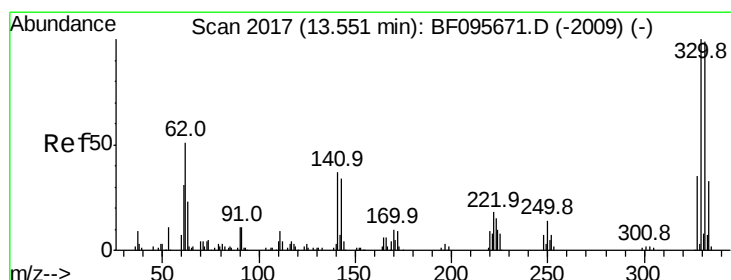
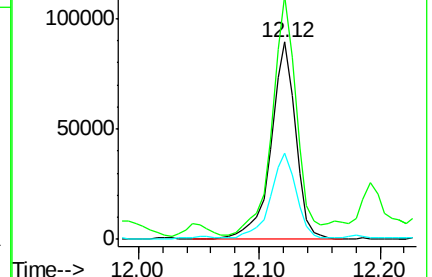
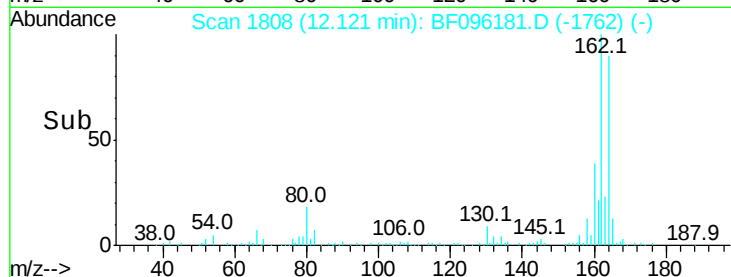
160 43.7 36.2 54.2



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: 12.23 ng

RT: 13.42 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

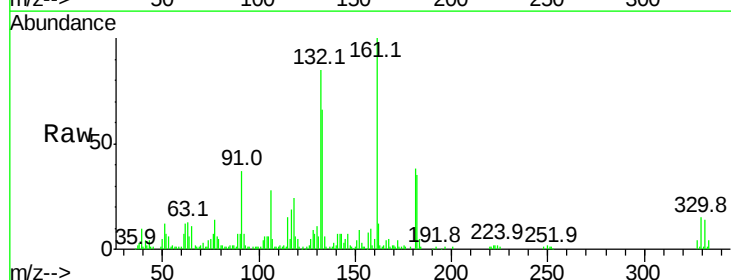
Tgt Ion:330 Resp: 13705

Ion Ratio Lower Upper

330 100

332 93.5 76.6 115.0

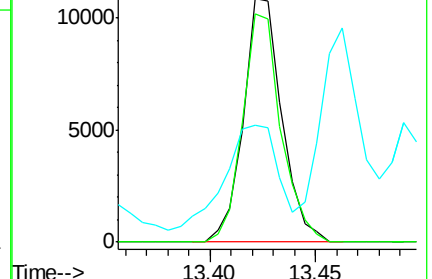
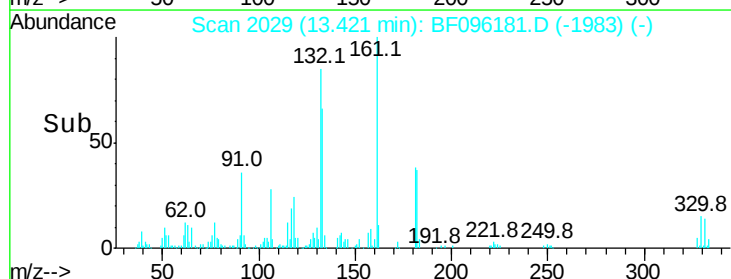
141 59.1 31.4 47.2#

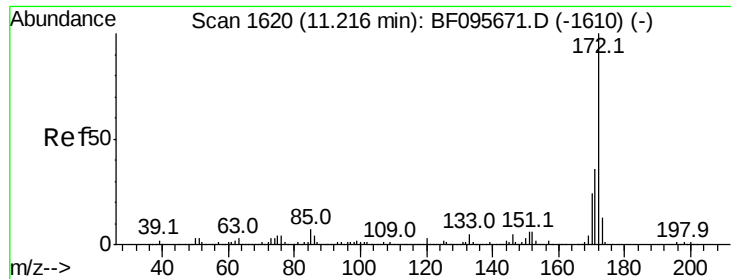


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

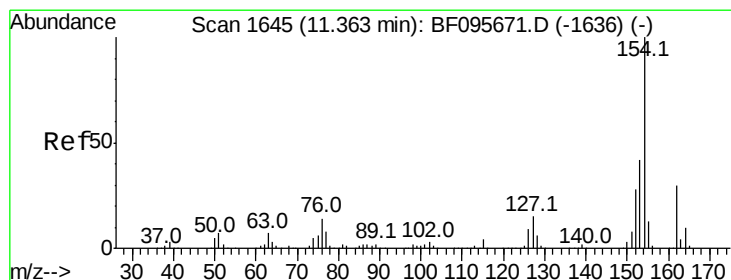
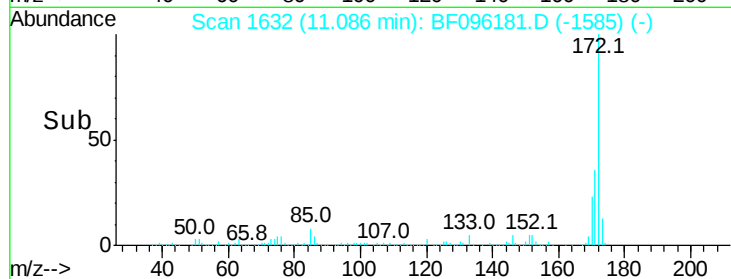
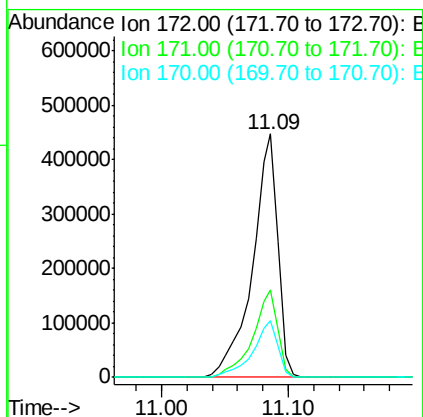
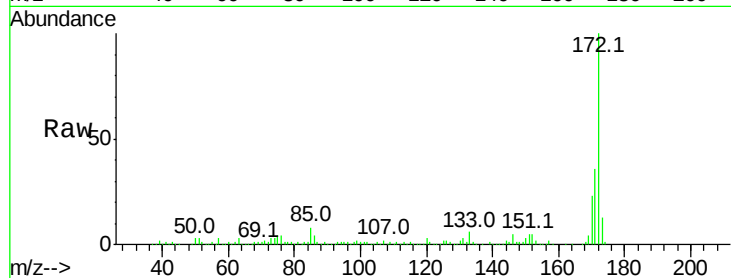




#44
2-Fluorobiphenyl
Concen: 68.58 ng
RT: 11.09 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

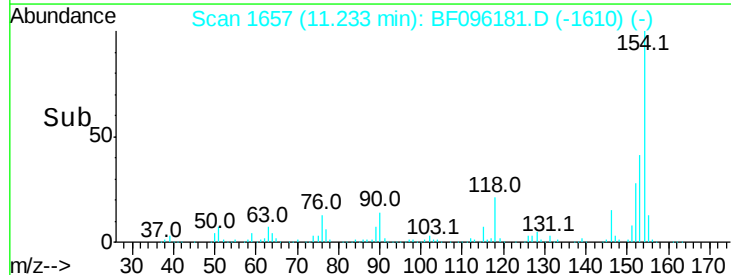
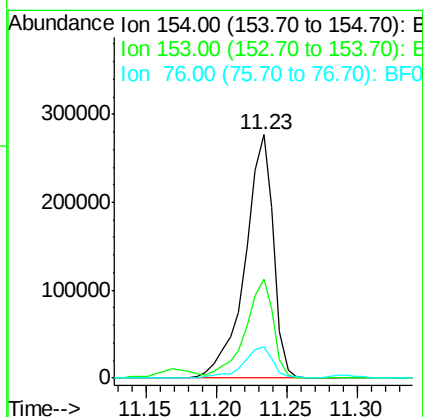
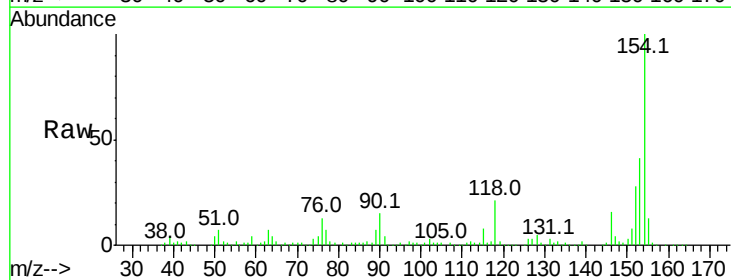
Instrument :
BNA_F
ClientSampleId :

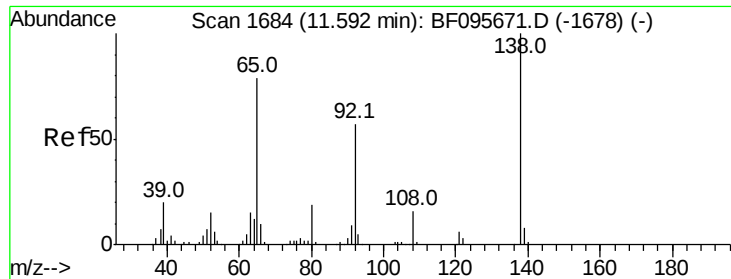
Tot Ion:172 Resp: 624131
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.1 19.8 29.8



#45
1,1'-Biphenyl
Concen: 37.22 ng
RT: 11.23 min Scan# 1657
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion:154 Resp: 388469
Ion Ratio Lower Upper
154 100
153 40.5 21.2 61.2
76 12.9 0.0 29.9

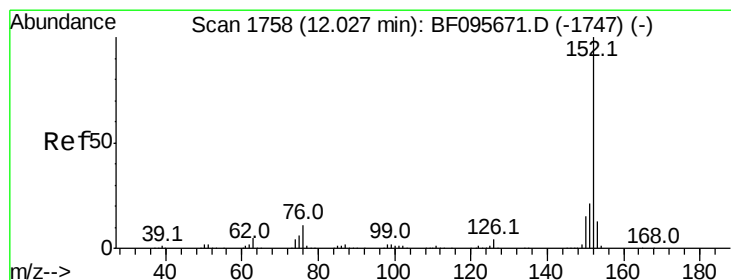
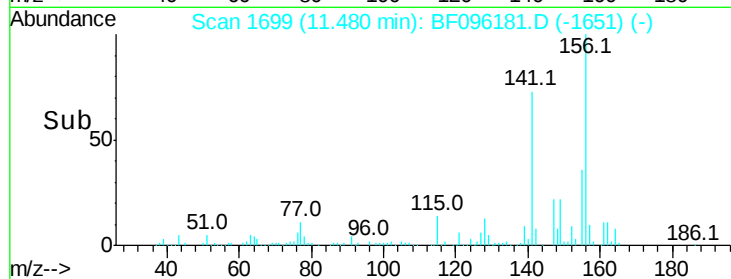
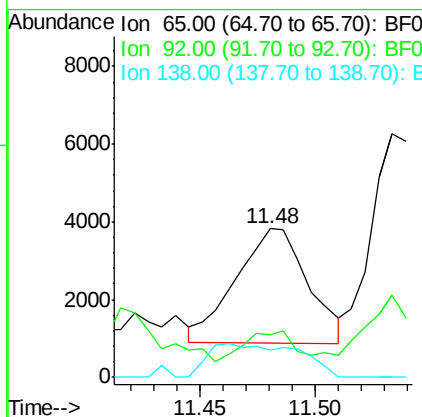
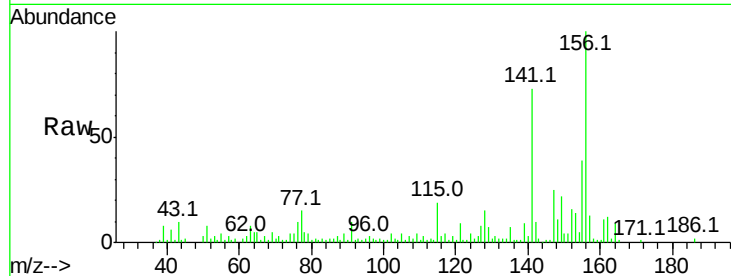




#47
2-Nitroaniline
Concen: 2.68 ng
RT: 11.48 min Scan# 1699
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

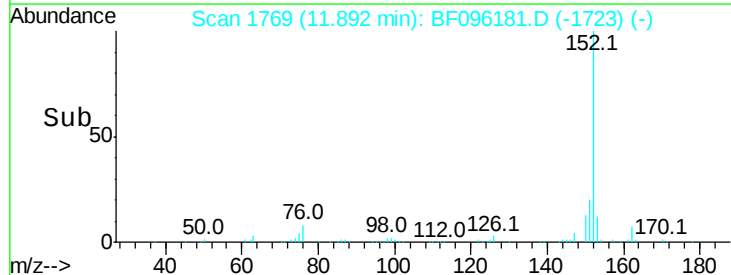
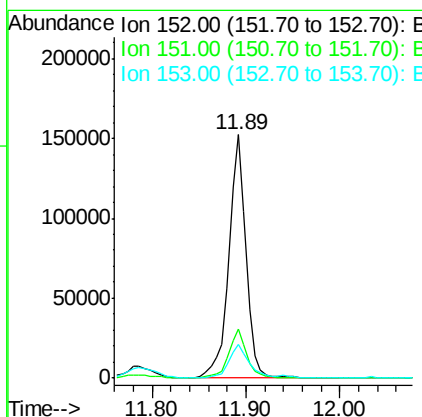
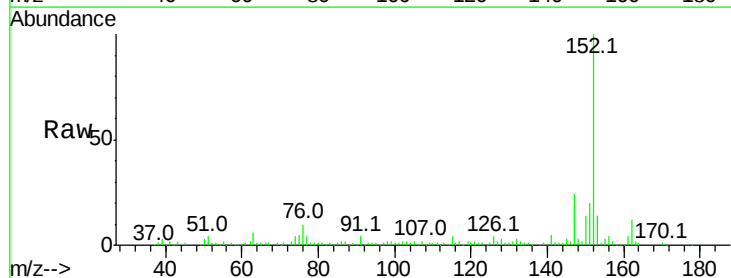
Instrument :
BNA_F
ClientSampleId :

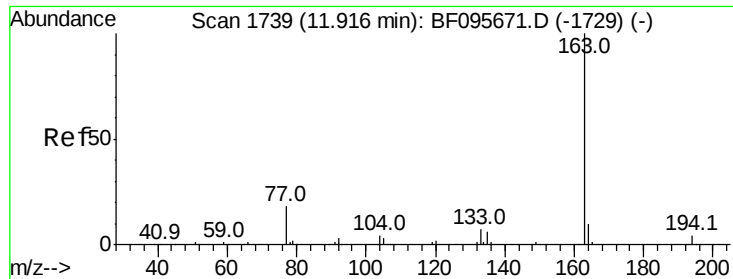
Tot Ion: 65 Resp: 6405
Ion Ratio Lower Upper
65 100
92 28.8 53.9 80.9#
138 18.3 78.8 118.2#



#48
Acenaphthylene
Concen: 13.94 ng
RT: 11.89 min Scan# 1769
Delta R.T. -0.03 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion: 152 Resp: 194345
Ion Ratio Lower Upper
152 100
151 20.1 16.8 25.2
153 13.6 10.8 16.2





#49

Dimethylphthalate

Concen: 5.66 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampled :

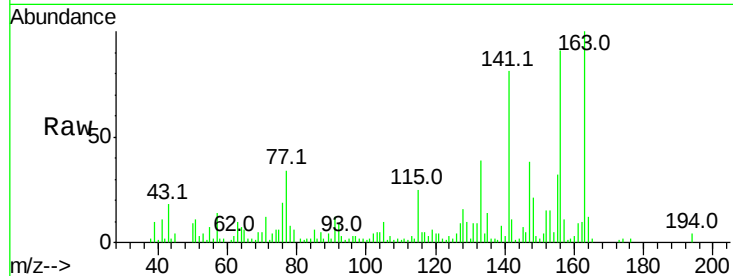
Tot Ion:163 Resp: 54436

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

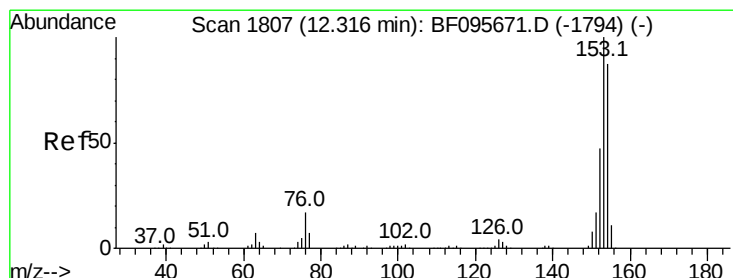
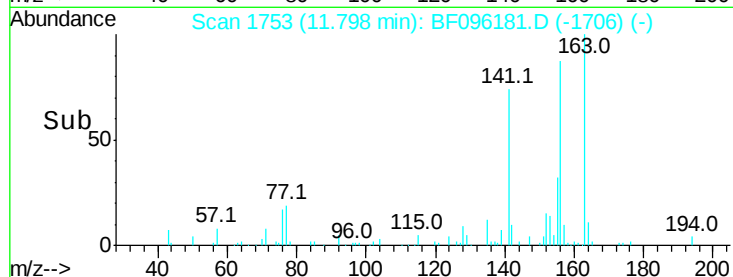
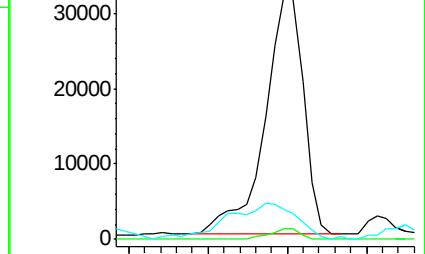
164 12.4 8.4 12.6



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



#51

Acenaphthene

Concen: 71.18 ng

RT: 12.18 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

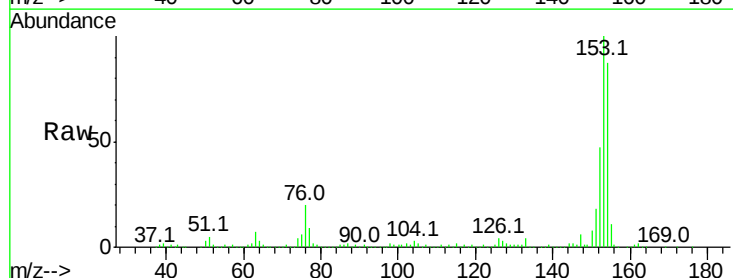
Tgt Ion:154 Resp: 573325

Ion Ratio Lower Upper

154 100

153 114.4 90.5 135.7

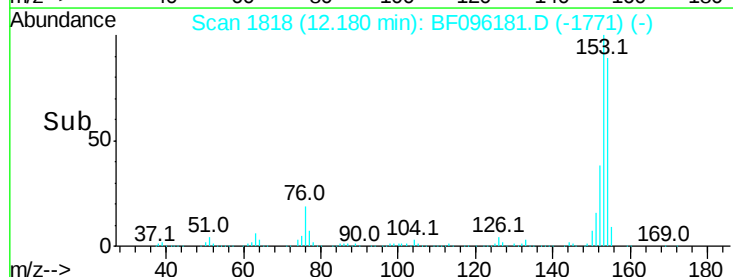
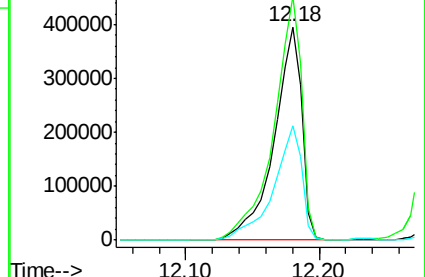
152 54.0 43.6 65.4

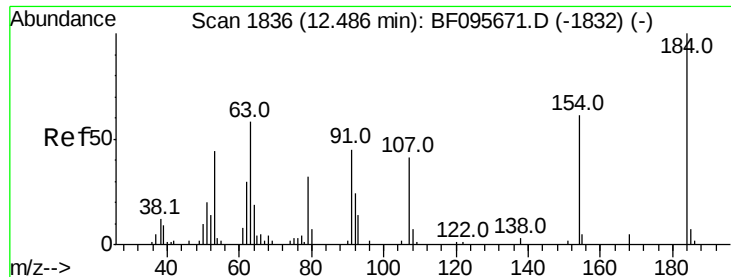


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

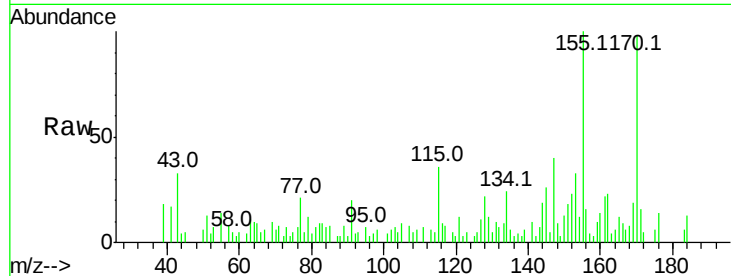




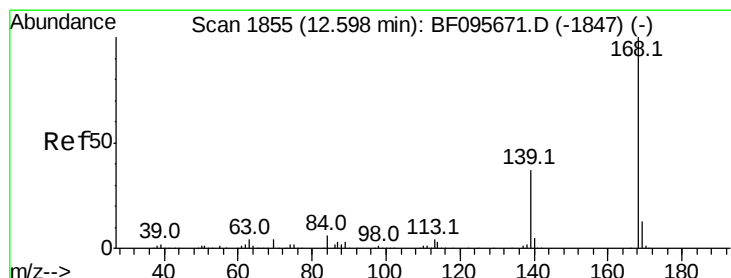
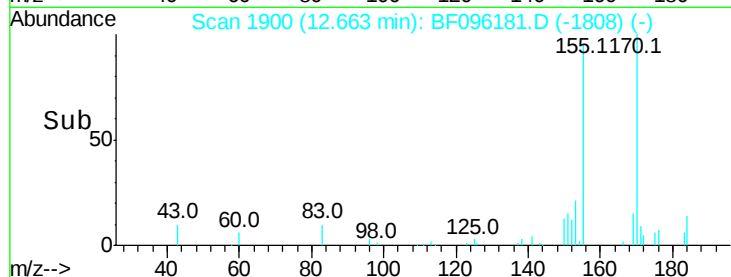
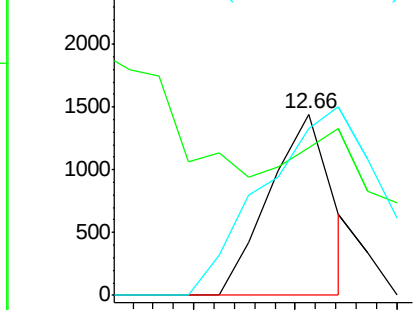
#53
2,4-Dinitrophenol
Concen: 7.43 ng
RT: 12.66 min Scan# 1900
Delta R.T. 0.24 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 1232
Ion Ratio Lower Upper
184 100
63 81.8 62.7 94.1
154 92.2 81.1 121.7

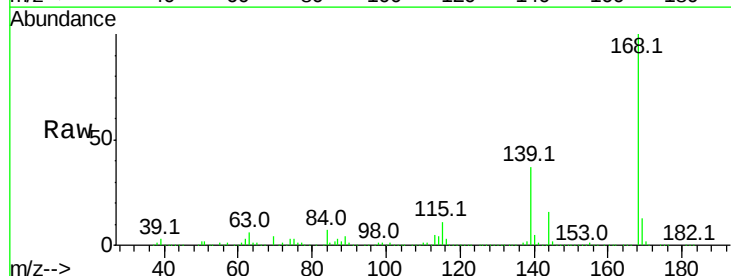


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

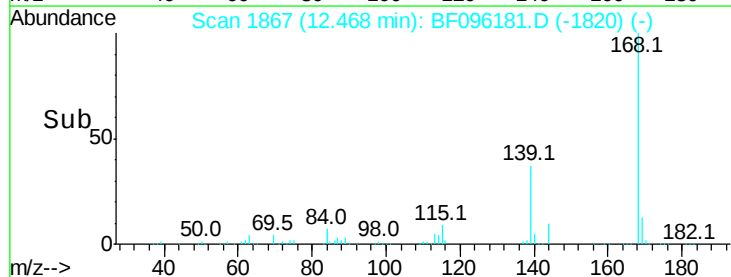
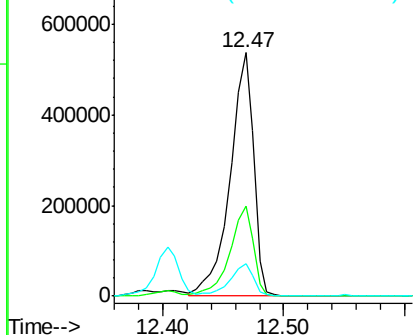


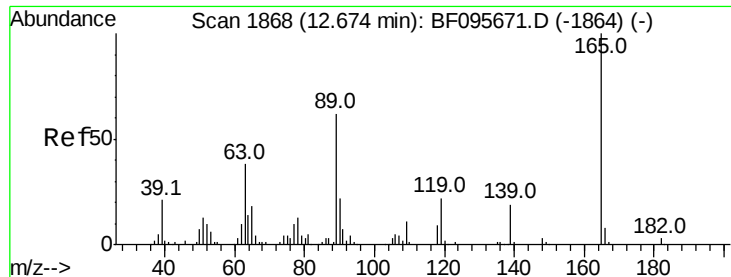
#54
Dibenzofuran
Concen: 64.62 ng
RT: 12.47 min Scan# 1867
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion:168 Resp: 732537
Ion Ratio Lower Upper
168 100
139 37.1 30.6 45.8
169 13.3 10.8 16.2



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

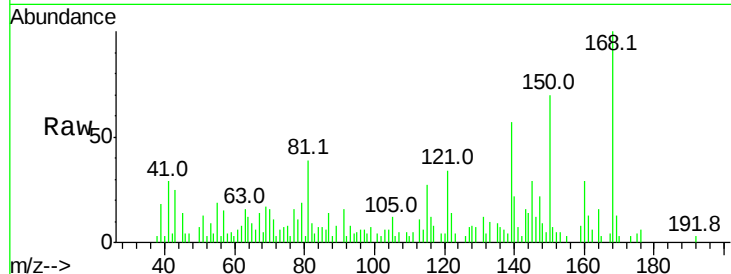




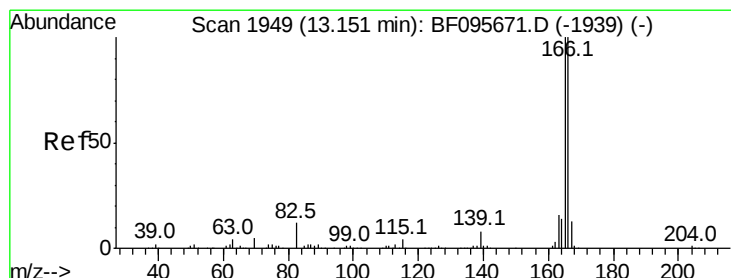
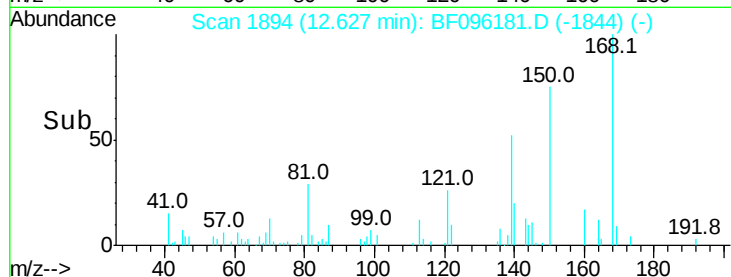
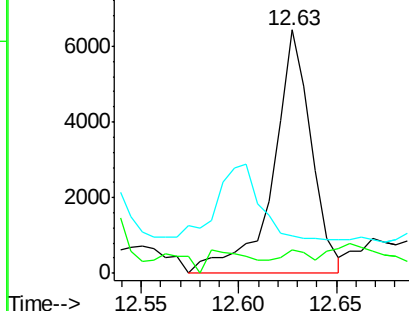
#55
4-Nitrophenol
Concen: 10.38 ng
RT: 12.63 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	9.4	34.1	74.1#
65	15.5	31.4	71.4#

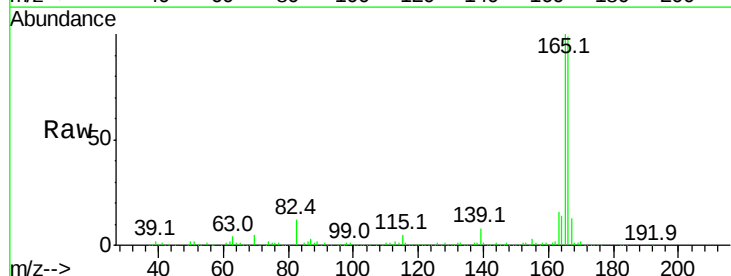


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

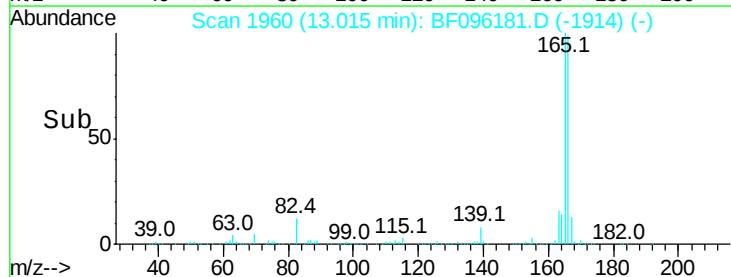
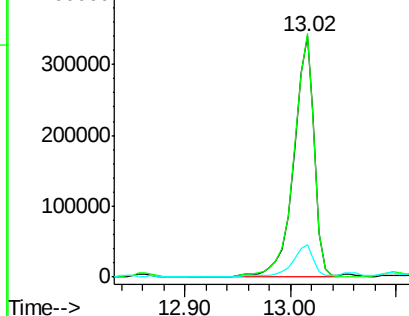


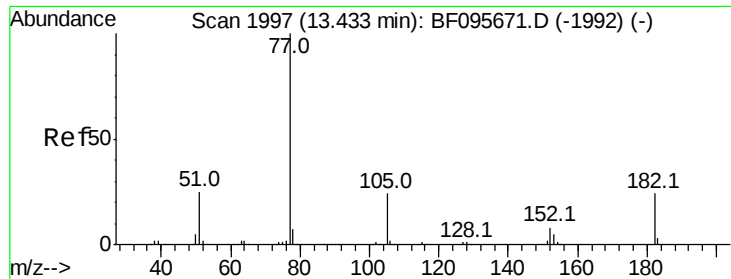
#57
Fluorene
Concen: 46.67 ng
RT: 13.02 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	78.8	118.2
167	13.5	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 2.97 ng

RT: 13.33 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 24932

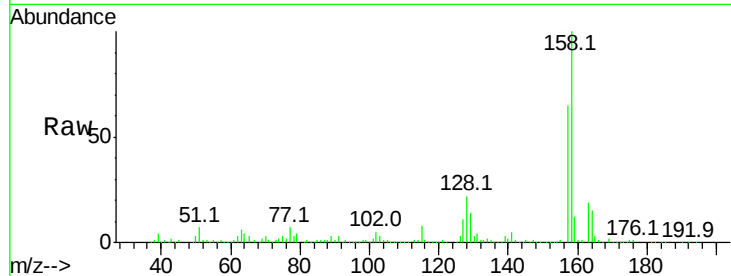
Ion Ratio Lower Upper

77 100

182 6.1 0.1 40.1

105 11.7 3.6 43.6

51 103.1 9.4 49.4#

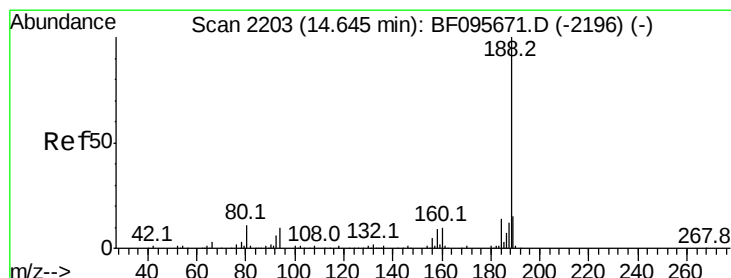
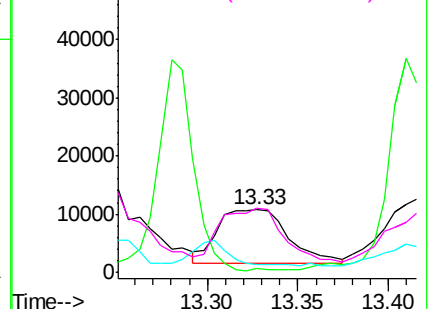
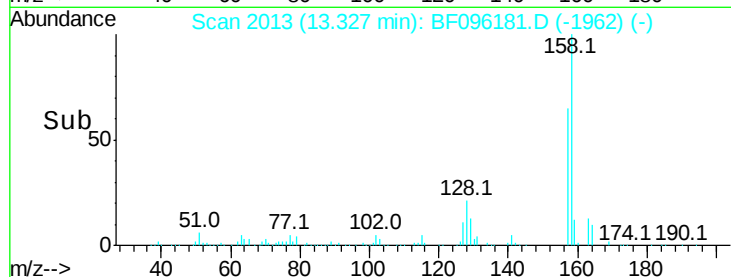


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.52 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

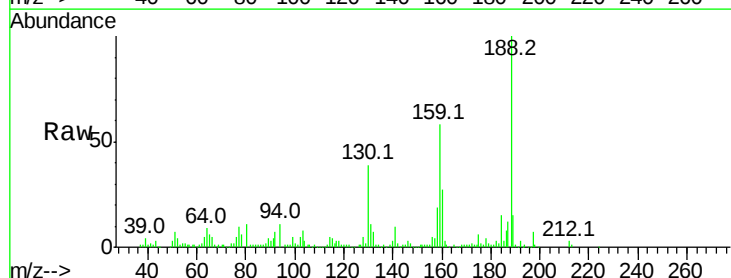
Tgt Ion: 188 Resp: 207437

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

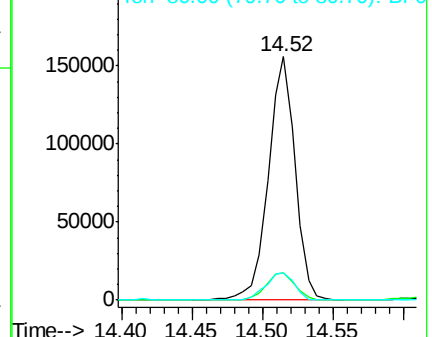
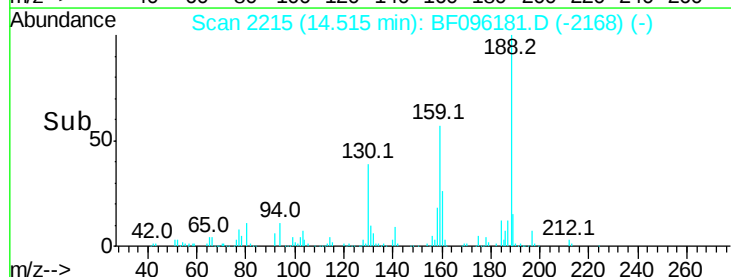
80 11.5 10.2 15.2

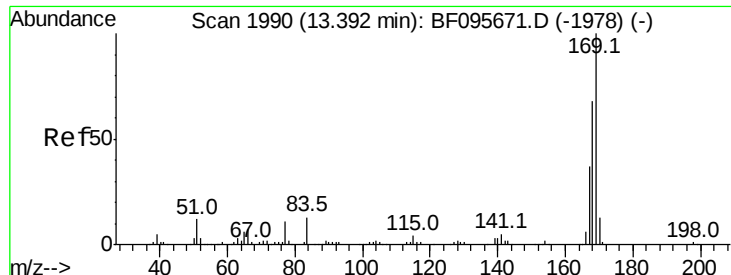


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 3.18 ng

RT: 13.31 min Scan# 2010

Delta R.T. 0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

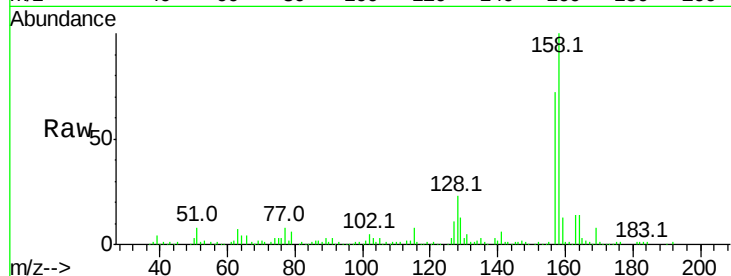
Tot Ion:169 Resp: 23723

Ion Ratio Lower Upper

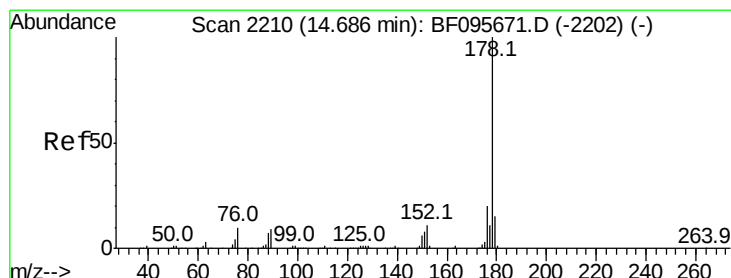
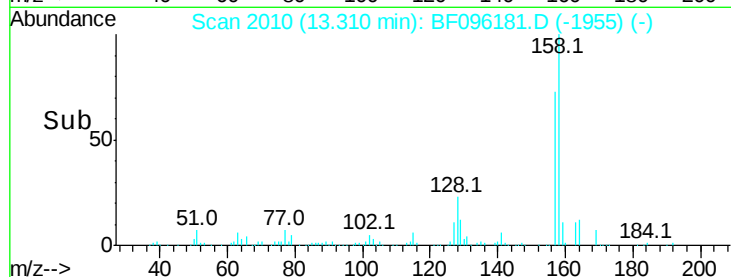
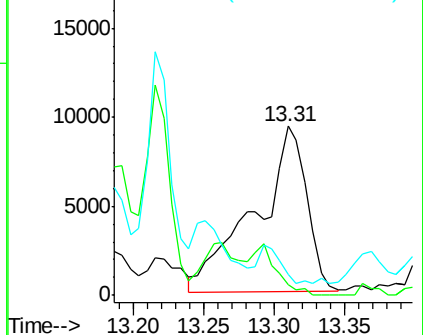
169 100

168 6.1 53.2 79.8#

167 12.3 29.5 44.3#



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



#70

Phenanthrene

Concen: 55.91 ng

RT: 14.56 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

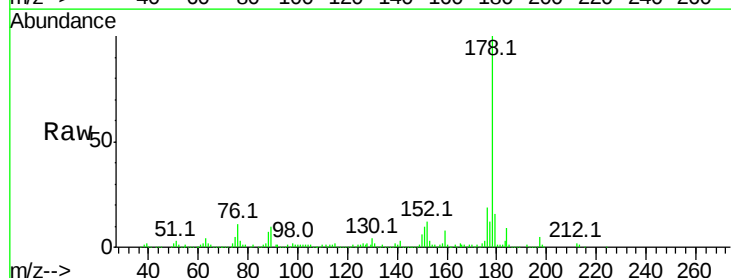
Tgt Ion:178 Resp: 669198

Ion Ratio Lower Upper

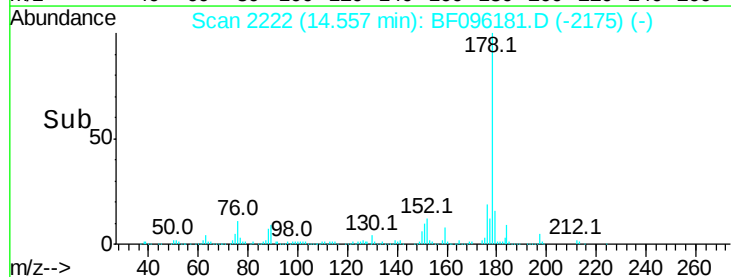
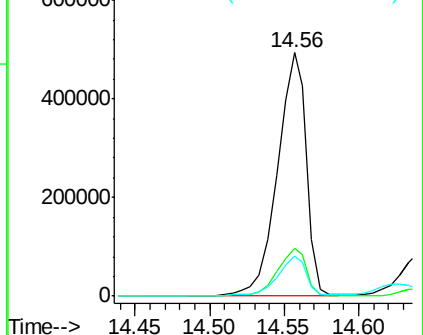
178 100

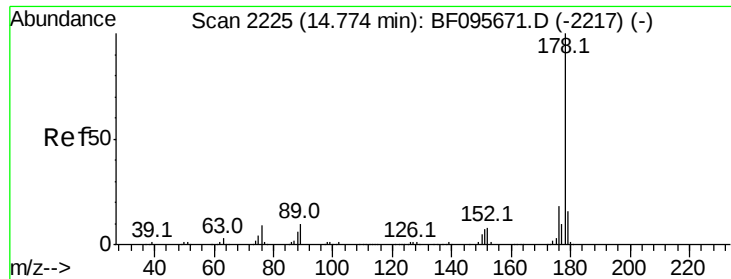
176 19.4 16.2 24.4

179 16.3 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

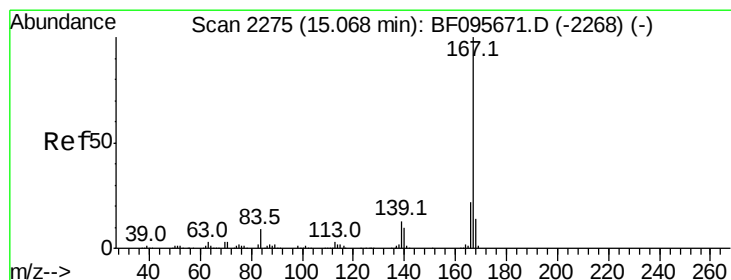
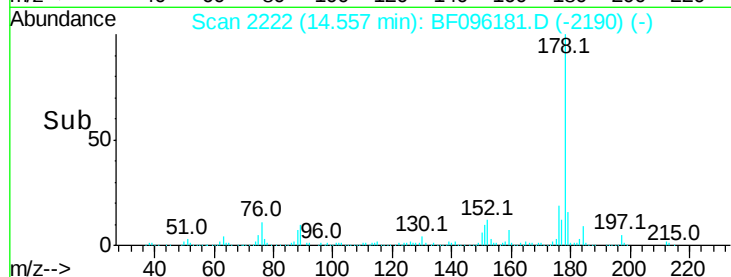
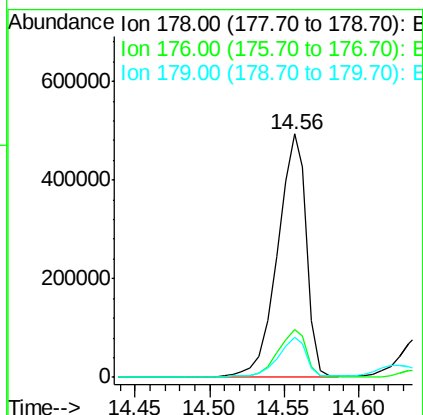
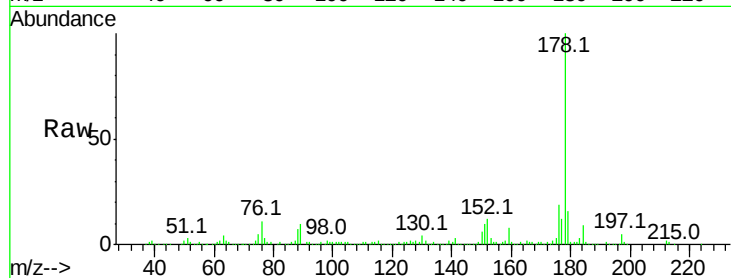




#71
 Anthracene
 Concen: 53.56 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.11 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

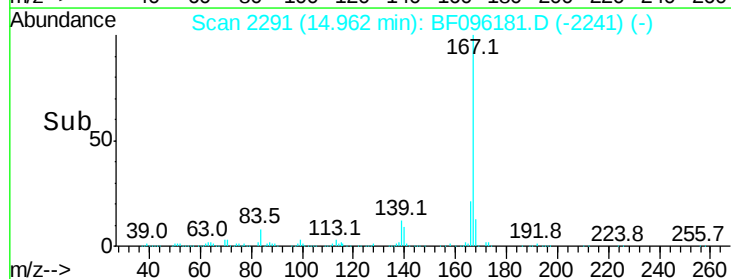
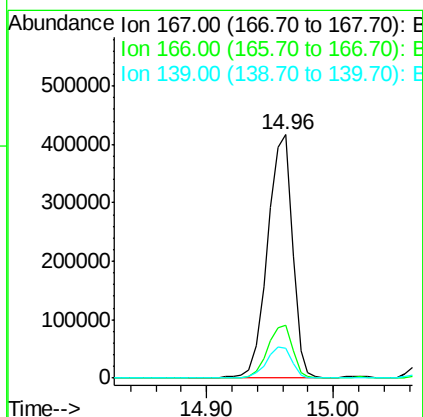
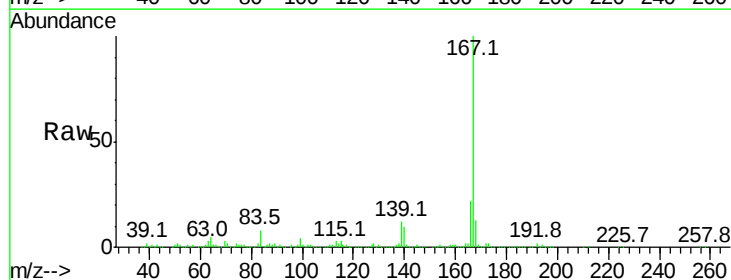
Instrument :
 BNA_F
 ClientSampleId :

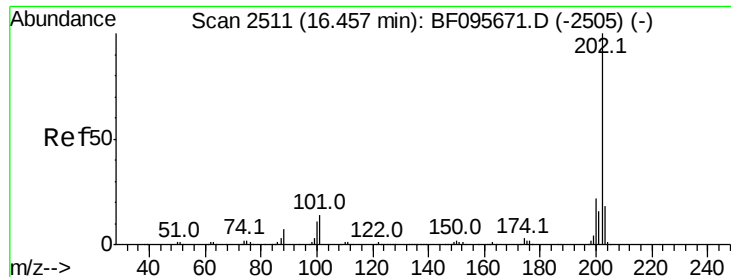
Tot Ion:178 Resp: 669198
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 16.3 12.7 19.1



#72
 Carbazole
 Concen: 46.47 ng
 RT: 14.96 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Tgt Ion:167 Resp: 565826
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.1 27.1
 139 12.4 11.7 17.5





#74

Fluoranthene

Concen: 9.55 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampleId :

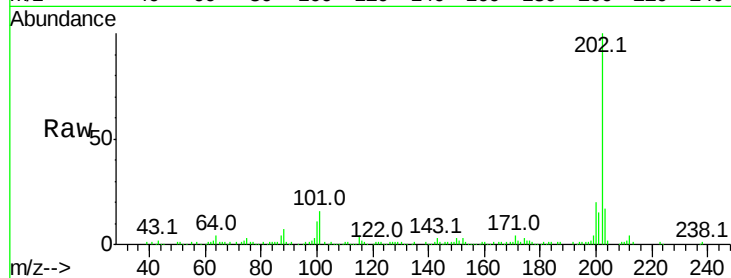
Tot Ion:202 Resp: 113086

Ion Ratio Lower Upper

202 100

101 16.4 0.0 33.2

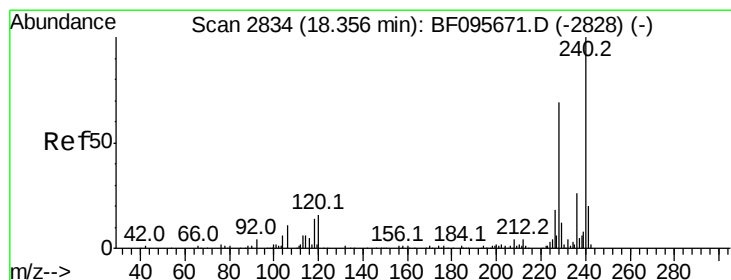
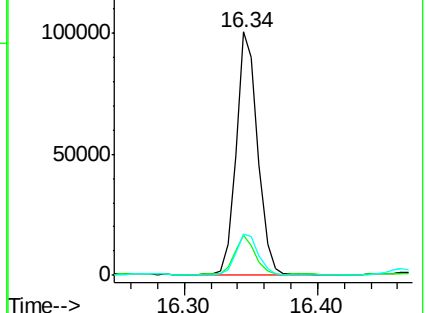
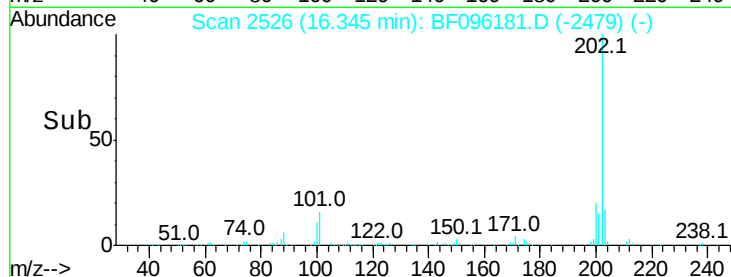
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

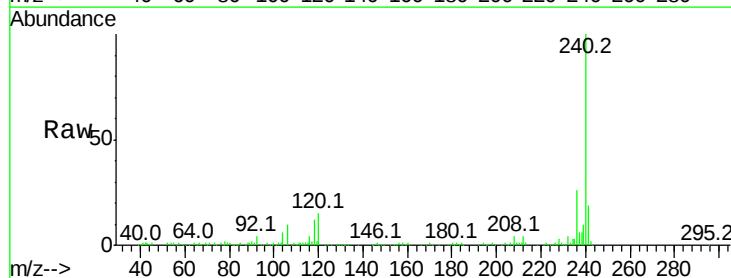
Tgt Ion:240 Resp: 157841

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

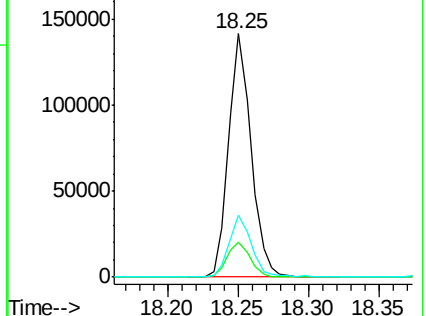
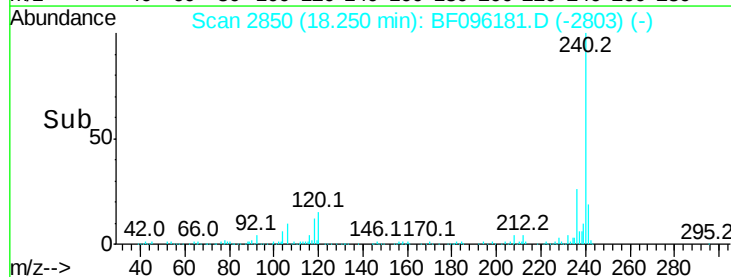
236 25.6 20.5 30.7

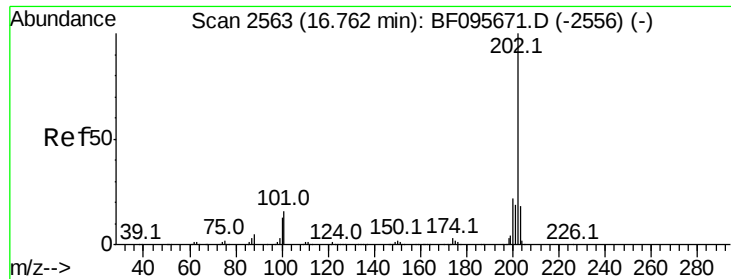


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.84 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

ClientSampled :

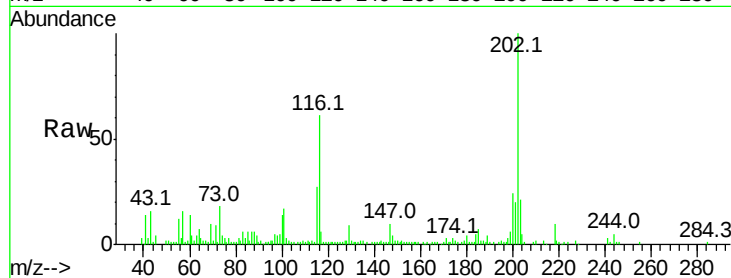
Tot Ion:202 Resp: 80530

Ion Ratio Lower Upper

202 100

200 23.6 17.6 26.4

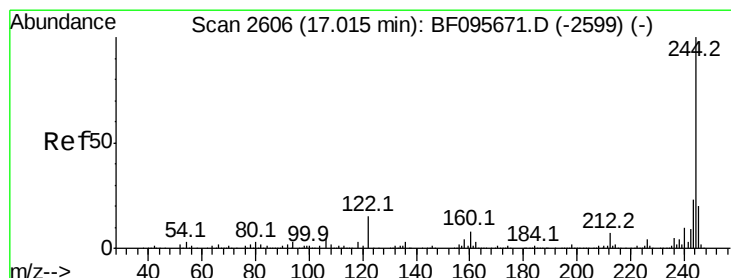
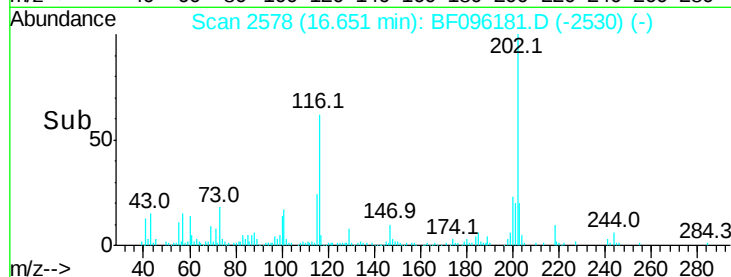
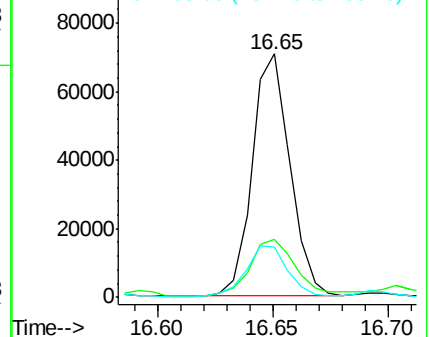
203 20.6 14.4 21.6



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: 72.60 ng

RT: 16.90 min Scan# 2621

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

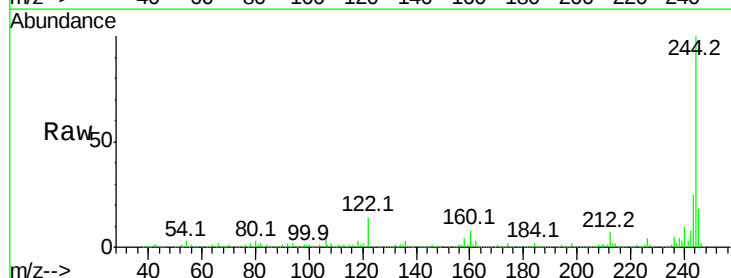
Tgt Ion:244 Resp: 461725

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

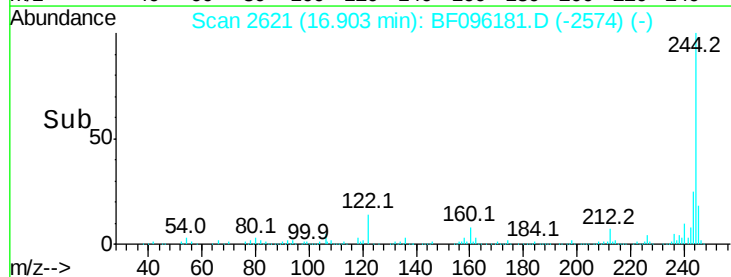
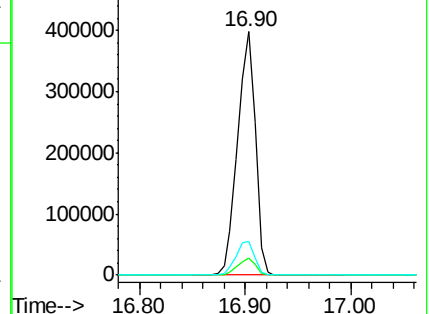
122 13.9 10.3 15.5

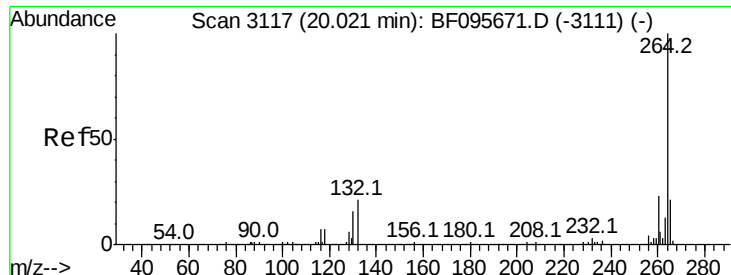


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

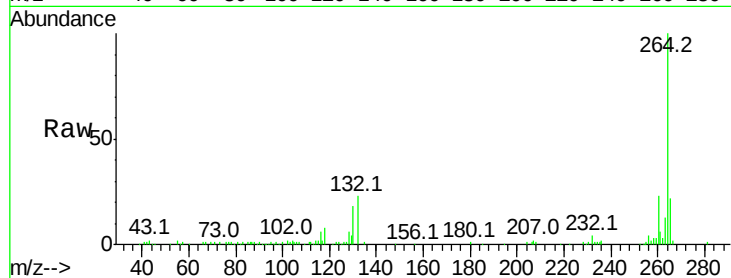




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 19.93 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 118774
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.6 17.2 25.8



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

