

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096989.D
 Acq On : 24 Jul 2017 14:17
 Operator : SJ/JU
 Sample : I4370-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 14:45:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 14:10:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	117267	20.00	ng	0.02
21) Naphthalene-d8	7.82	136	487429	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	208637	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	308988	20.00	ng	0.00
75) Chrysene-d12	13.67	240	180208	20.00	ng	-0.01
86) Perylene-d12	15.03	264	181807	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1115041	142.97	ng	0.05
7) Phenol-d6	6.29	99	805222	86.04	ng	0.07
23) Nitrobenzene-d5	7.12	82	671072	85.28	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	189095	106.18	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	840175	63.62	ng	0.00
78) Terphenyl-d14	12.63	244	468140	45.05	ng	0.00

Target Compounds				Qvalue		
6) Aniline	6.36	93	8341243	723.533	ng	# 52
10) Phenol	6.30	94	117251	11.082	ng	# 1
11) bis(2-Chloroethyl)ether	6.36	93	8341243	1048.389	ng	92
12) 1,3-Dichlorobenzene	6.50	146	37404	4.182	ng	98
13) 1,4-Dichlorobenzene	6.57	146	119271	13.169	ng	97
14) 1,2-Dichlorobenzene	6.72	146	176766	21.457	ng	98
15) Benzyl Alcohol	6.71	79	12629	2.061	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	6.83	45	630924	38.425	ng	92
17) 2-Methylphenol	6.62	107	969330	148.153	ng	# 20
19) n-Nitroso-di-n-propylamine	7.12	70	92416	16.390	ng	# 88
20) 3+4-Methylphenols	7.00	107	28544	3.595	ng	# 37
25) Isophorone	7.12	82	671065	45.841	ng	# 67
31) Naphthalene	7.85	128	280188	12.134	ng	98
32) Benzoic acid	7.67	122	14206	2.985	ng	# 17
33) 4-Chloroaniline	7.85	127	36657	4.007	ng	# 1
36) 4-Chloro-3-methylphenol	8.42	107	18425	2.543	ng	# 15
37) 2-Methylnaphthalene	8.53	142	249249	16.932	ng	99
49) Dimethylphthalate	9.30	163	236726	15.069	ng	100
51) Acenaphthene	9.60	154	26087	2.103	ng	94
53) 2,4-Dinitrophenol	9.86	184	257	6.880	ng	# 9
60) 4-Chlorophenyl-phenylether	10.13	204	127	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.36	248	12663	4.014	ng	# 1
70) Phenanthrene	11.07	178	217783	12.963	ng	99
71) Anthracene	11.12	178	48258	2.841	ng	96
74) Fluoranthene	12.25	202	218600	13.593	ng	99
77) Pyrene	12.47	202	238861	14.605	ng	99
80) Benzo(a)anthracene	13.66	228	78680	7.007	ng	96
82) Chrysene	13.69	228	74337	6.725	ng	96
85) Indeno(1,2,3-cd)pyrene	16.28	276	41843	7.249	ng	98
87) Benzo(b)fluoranthene	14.66	252	110498	10.077	ng	# 95
88) Benzo(k)fluoranthene	14.66	252	110498	10.642	ng	98
89) Benzo(a)pyrene	14.97	252	74258	7.384	ng	97
91) Benzo(a,h,i)perylene	16.66	276	50819	5.128	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 14:10:38 2017
Response via : Initial Calibration

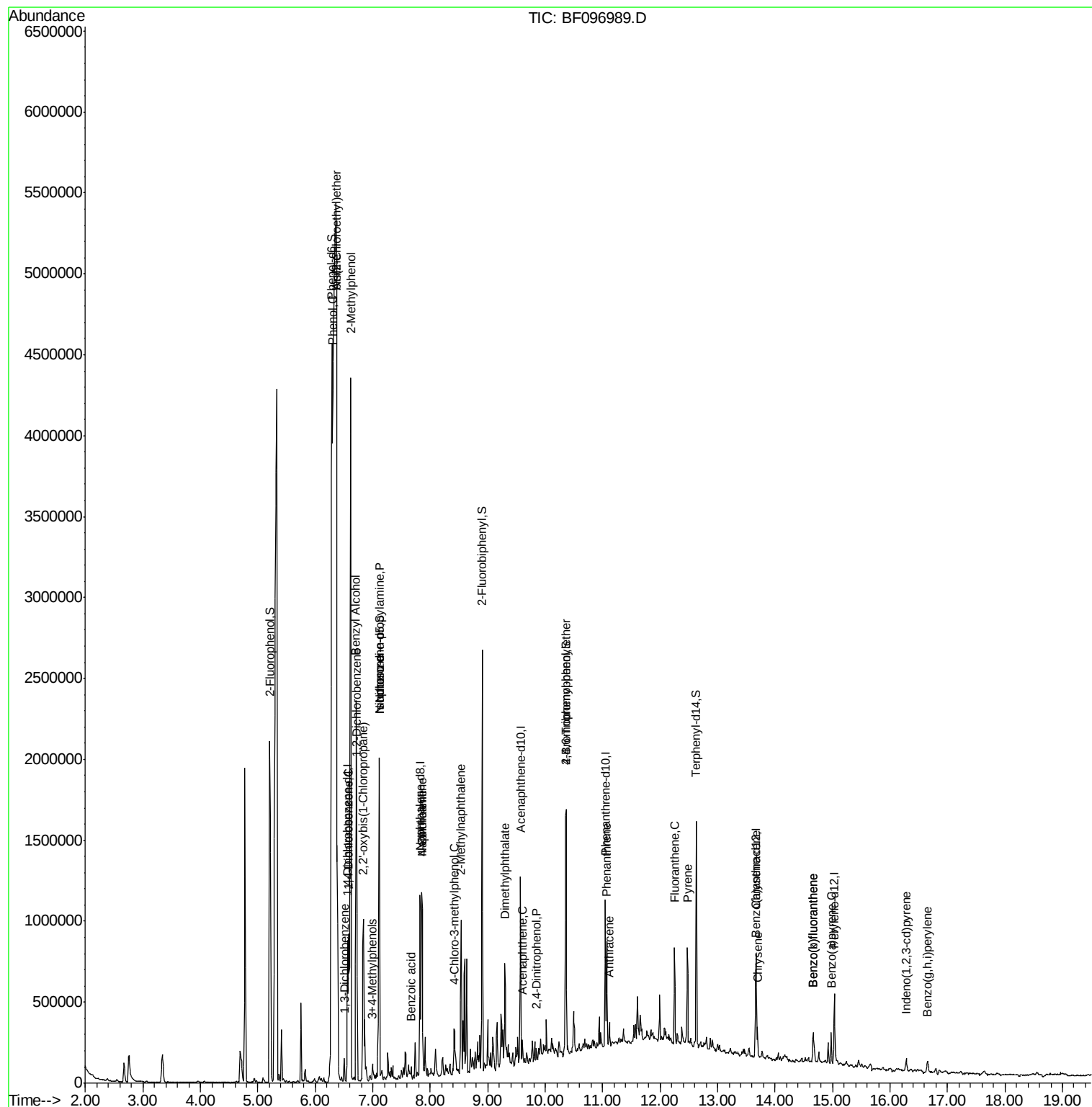
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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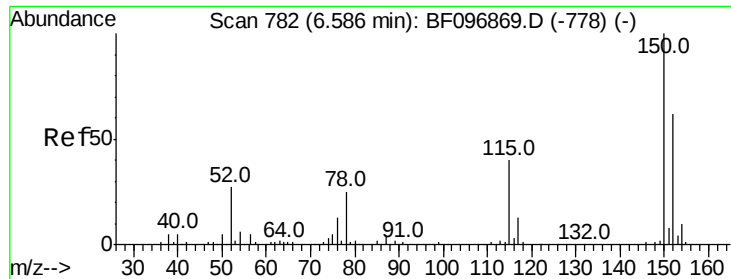
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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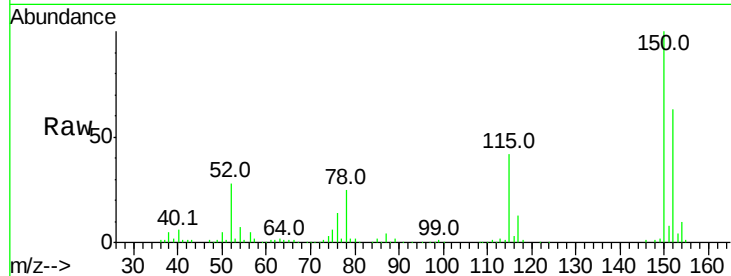


#1

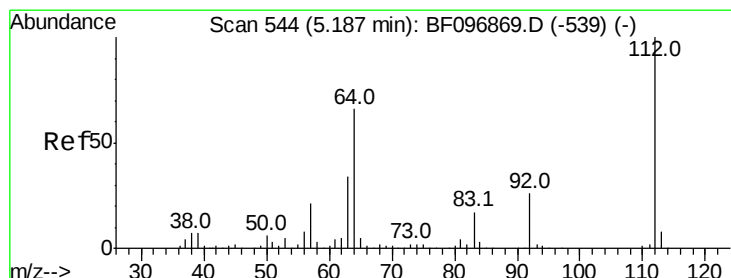
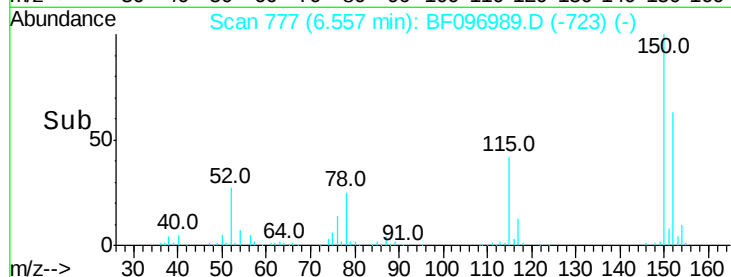
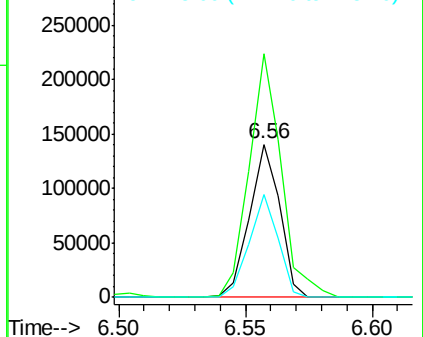
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. 0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117267
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 66.9 52.2 78.2



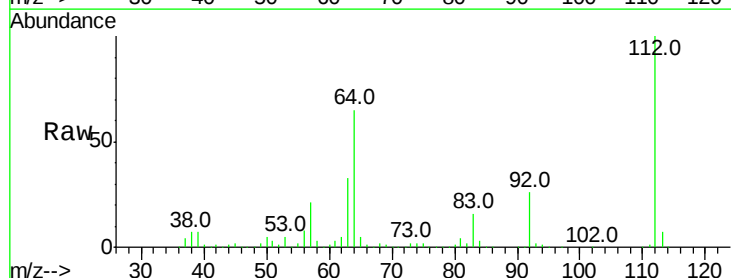
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



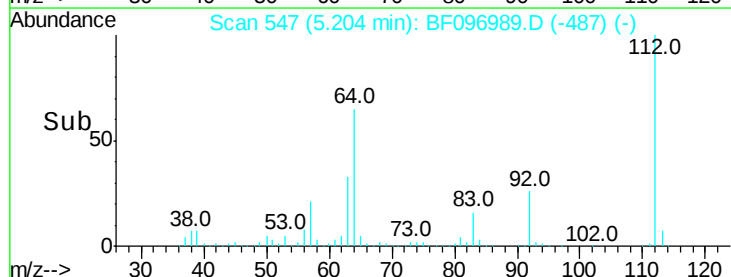
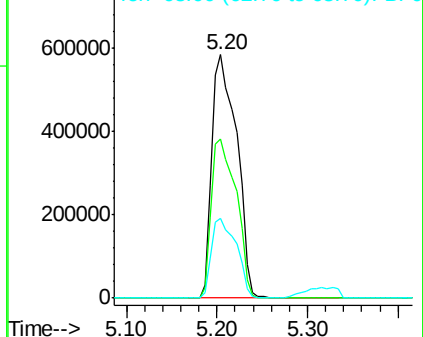
#5

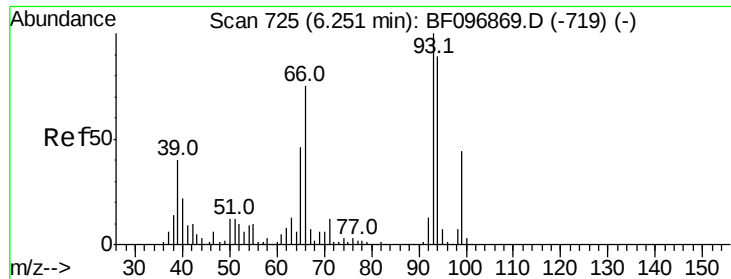
2-Fluorophenol
Concen: 142.969 ng
RT: 5.20 min Scan# 547
Delta R.T. 0.05 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion:112 Resp: 1115041
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 32.7 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: 723.533 ng

RT: 6.36 min Scan# 744

Delta R.T. 0.16 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampled :

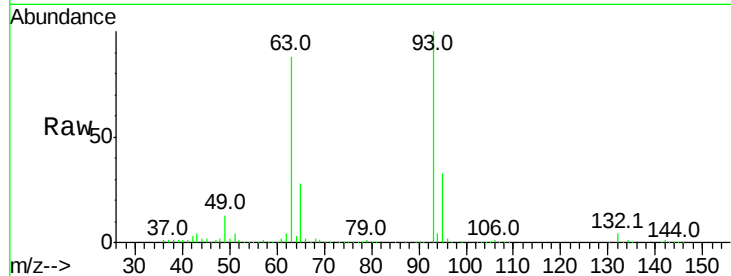
Tot Ion: 93 Resp: 8341243

Ion Ratio Lower Upper

93 100

66 1.6 32.9 49.3#

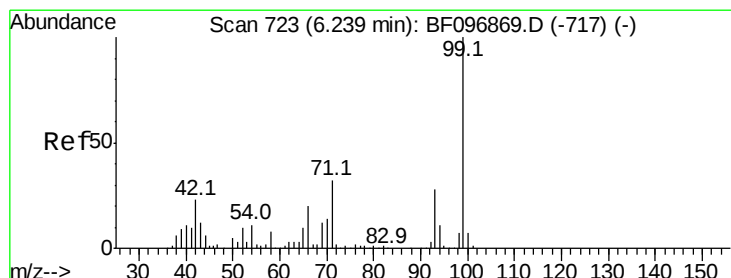
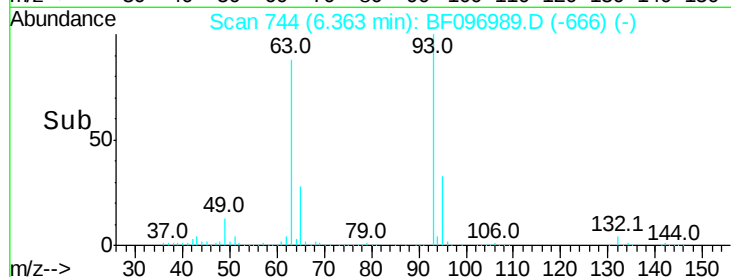
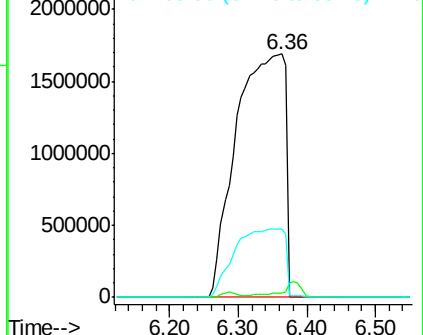
65 28.1 16.0 24.0#



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: 86.035 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

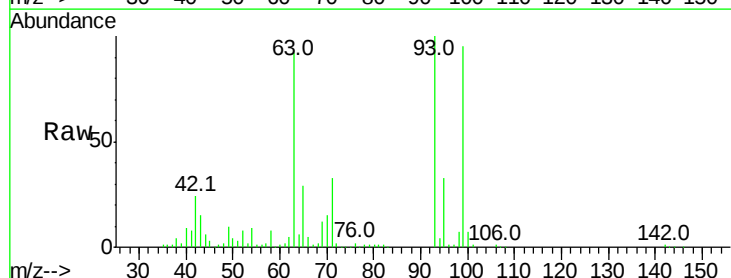
Tgt Ion: 99 Resp: 805222

Ion Ratio Lower Upper

99 100

42 24.9 13.5 20.3#

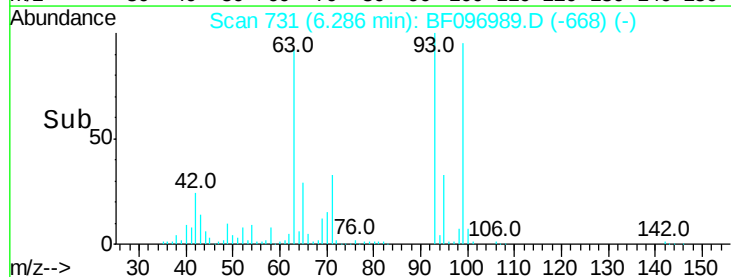
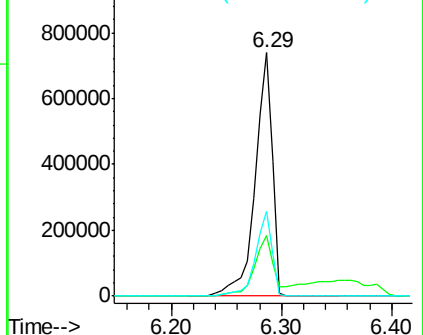
71 34.9 24.5 36.7

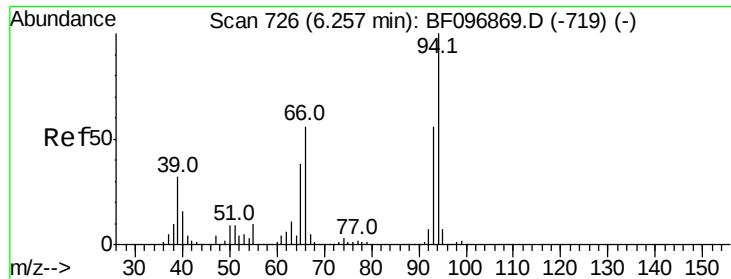


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 11.082 ng

RT: 6.30 min Scan# 733

Delta R.T. 0.07 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

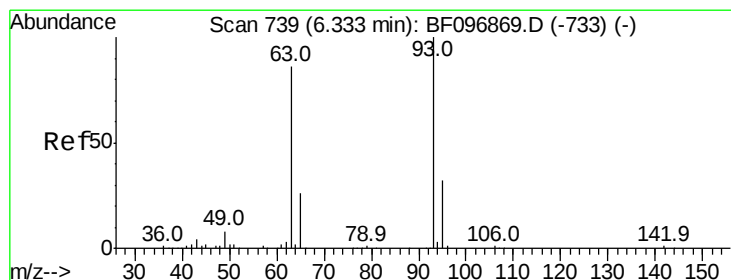
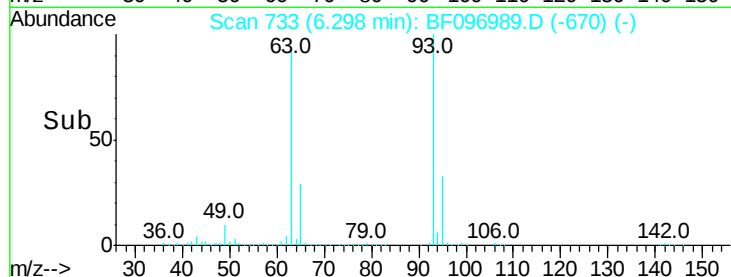
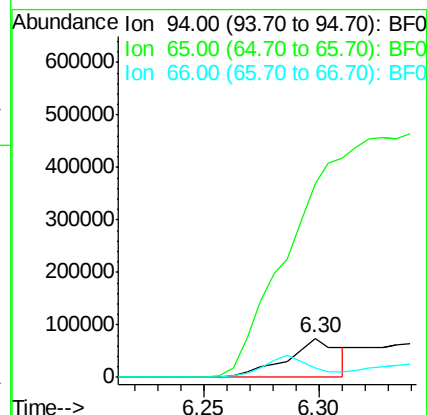
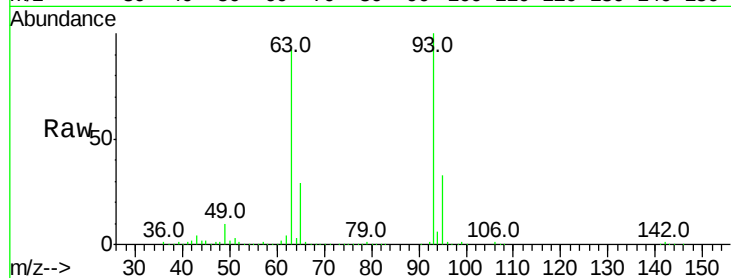
Tot Ion: 94 Resp: 117251

Ion Ratio Lower Upper

94 100

65 498.4 9.9 49.9#

66 22.9 23.1 63.1#



#11

bis(2-Chloroethyl)ether

Concen: 1048.389 ng

RT: 6.36 min Scan# 744

Delta R.T. 0.08 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

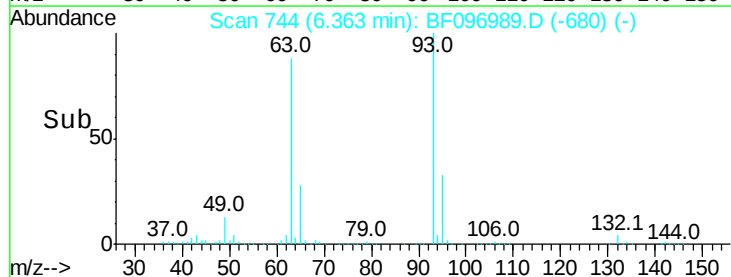
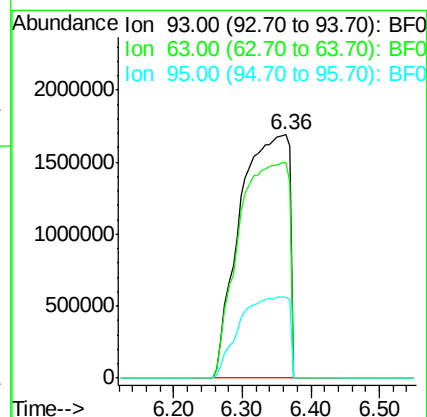
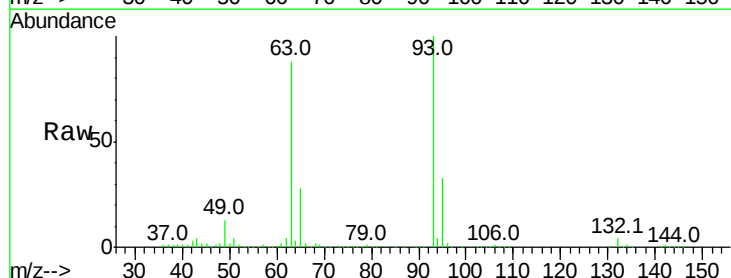
Tgt Ion: 93 Resp: 8341243

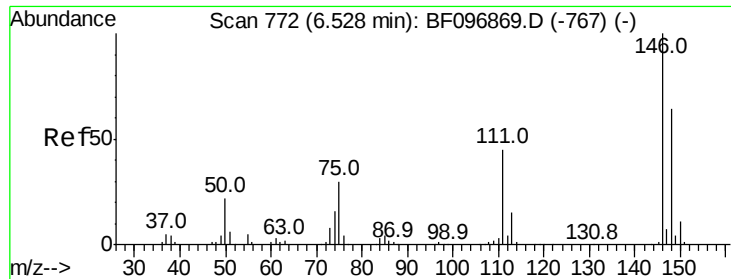
Ion Ratio Lower Upper

93 100

63 88.4 59.2 99.2

95 33.5 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 4.182 ng

RT: 6.50 min Scan# 768

Delta R.T. 0.02 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

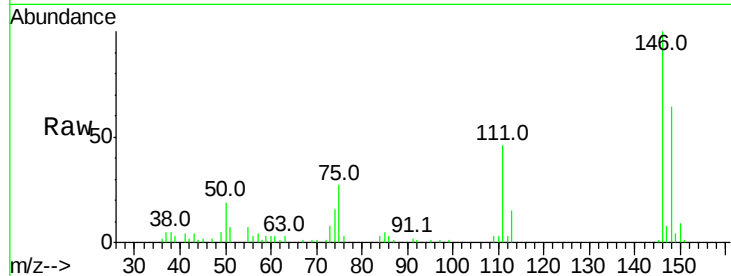
Tot Ion:146 Resp: 37404

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

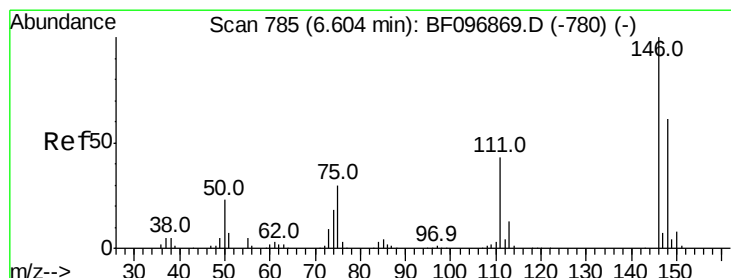
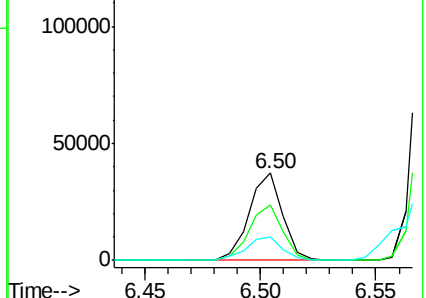
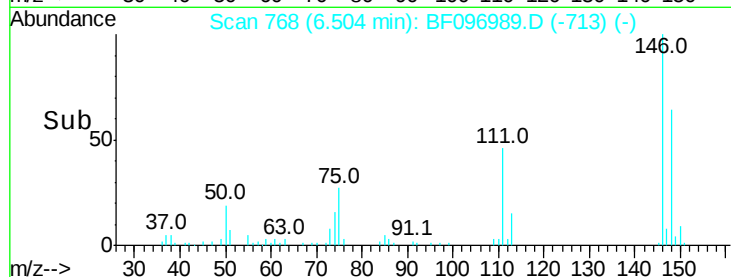
75 26.9 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 13.169 ng

RT: 6.57 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

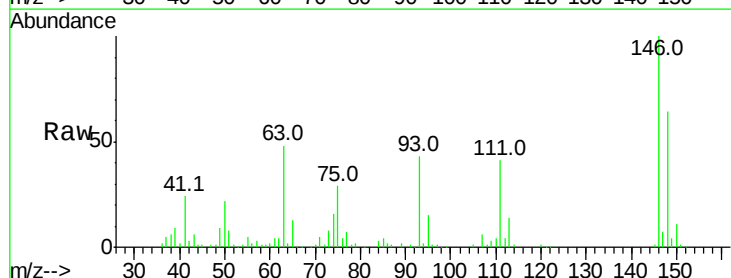
Tgt Ion:146 Resp: 119271

Ion Ratio Lower Upper

146 100

148 64.4 52.2 78.2

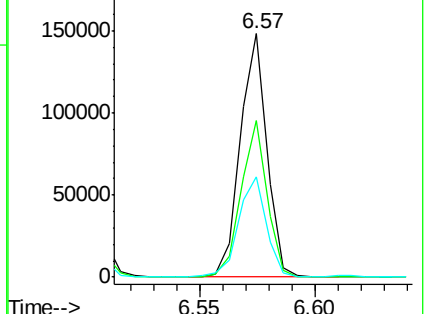
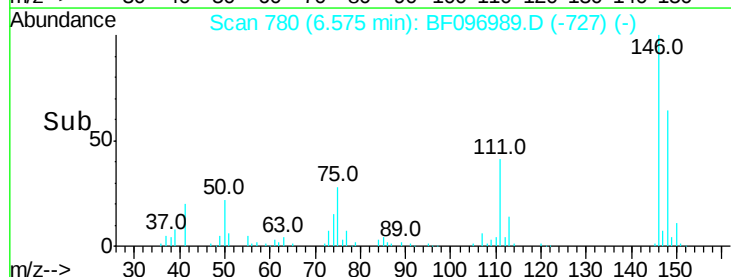
111 41.1 30.3 45.5

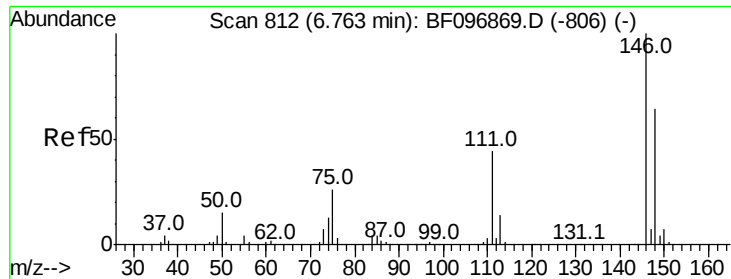


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 21.457 ng

RT: 6.72 min Scan# 805

Delta R.T. 0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampled :

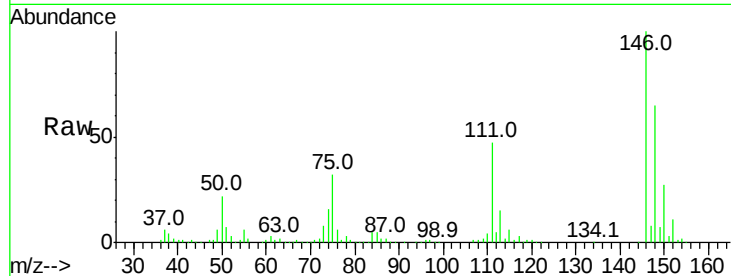
Tot Ion:146 Resp: 176766

Ion Ratio Lower Upper

146 100

148 64.7 50.4 75.6

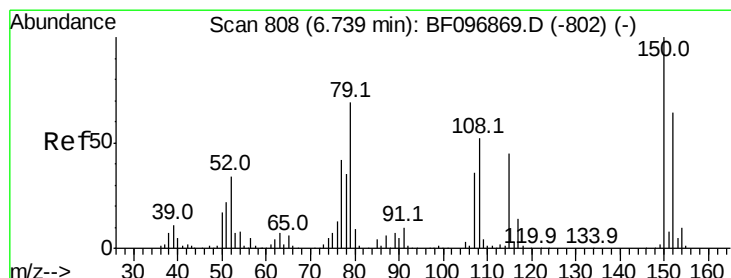
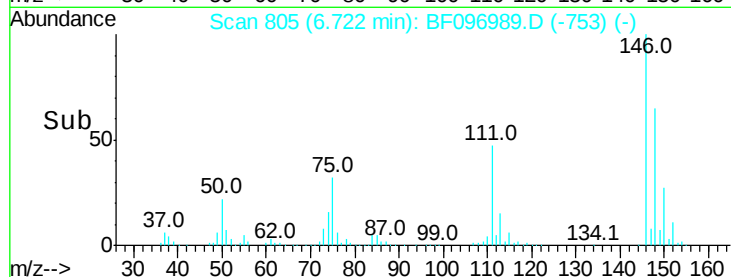
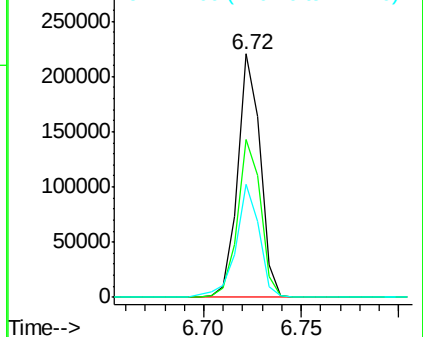
111 46.7 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.061 ng

RT: 6.71 min Scan# 803

Delta R.T. 0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

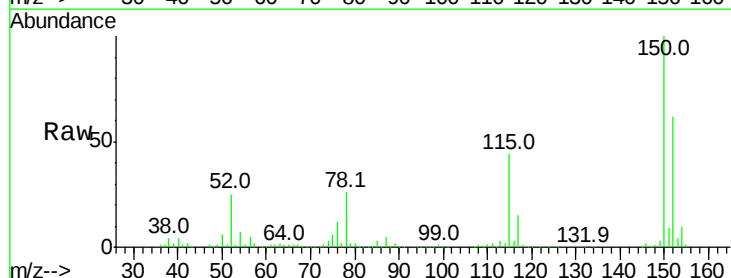
Tgt Ion: 79 Resp: 12629

Ion Ratio Lower Upper

79 100

108 29.2 63.4 95.0#

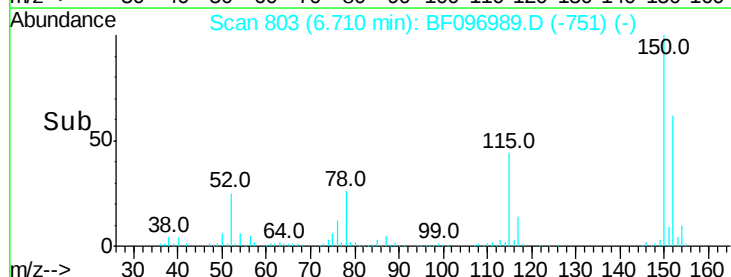
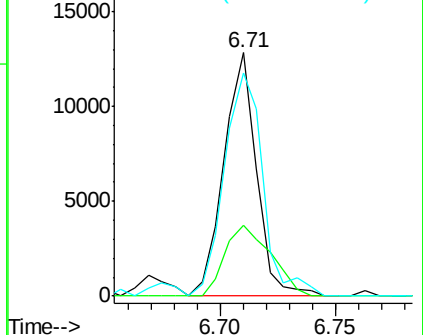
77 91.5 49.2 73.8#

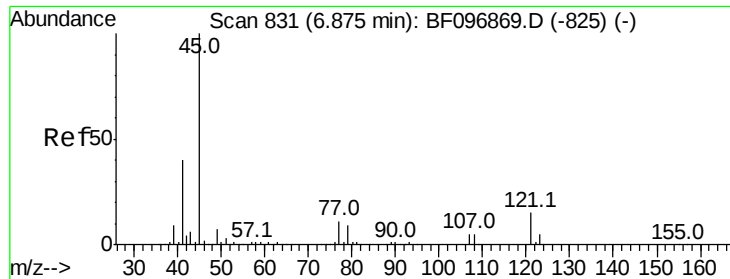


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

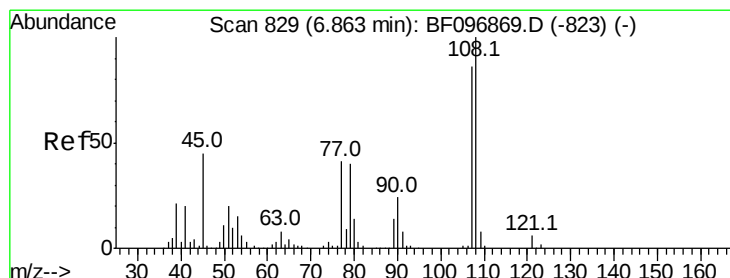
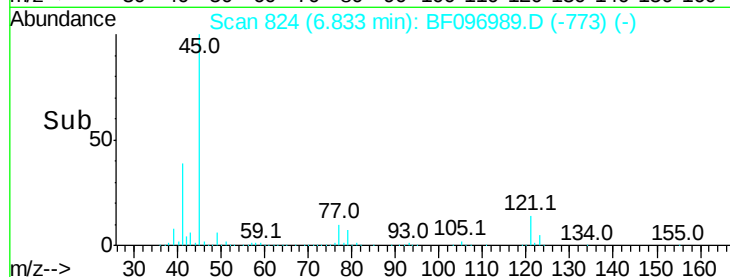
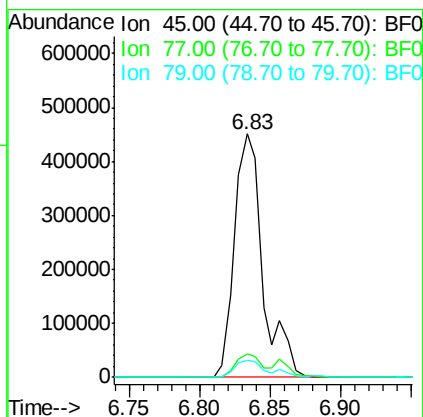
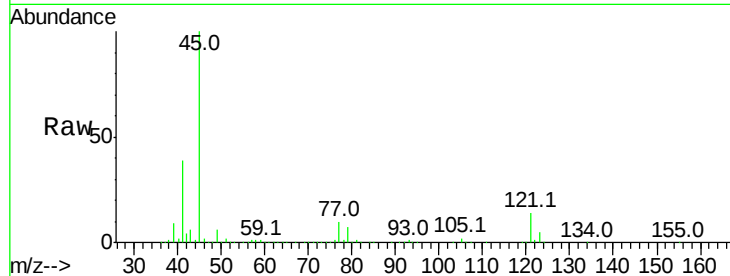




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 38.425 ng
RT: 6.83 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

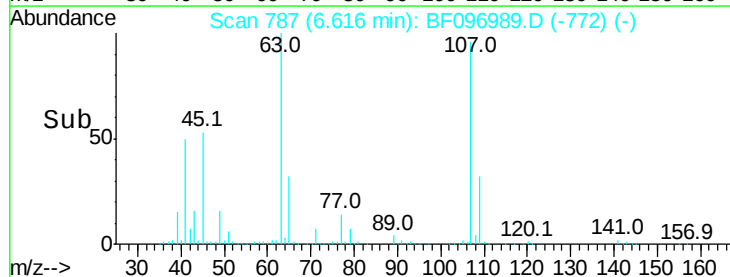
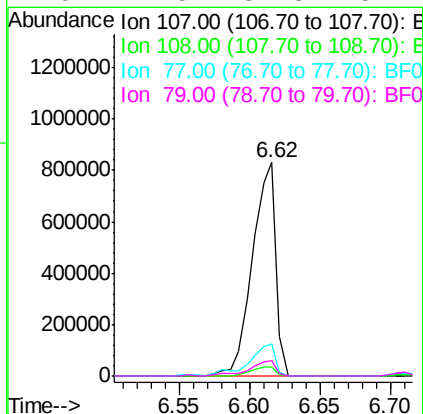
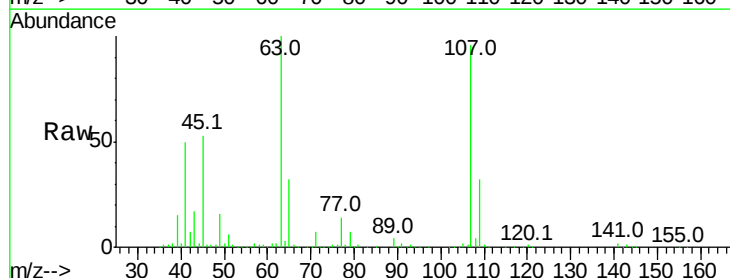
Instrument :
BNA_F
ClientSampleId :

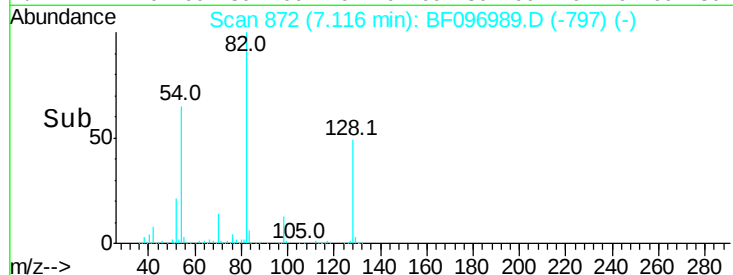
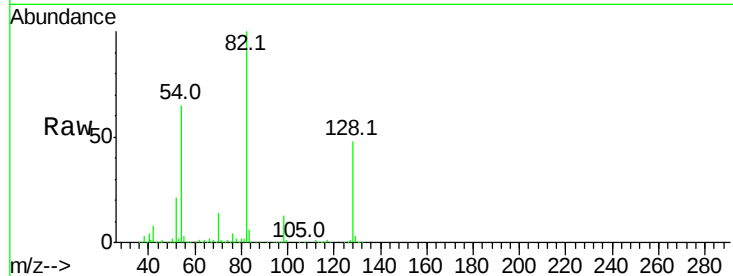
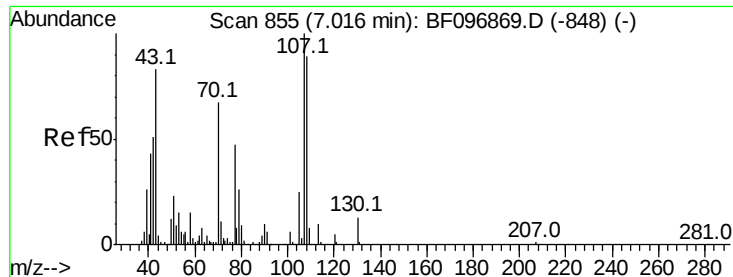
Tot Ion: 45 Resp: 630924
Ion Ratio Lower Upper
45 100
77 9.7 0.0 33.2
79 7.1 0.0 30.0



#17
2-Methylphenol
Concen: 148.153 ng
RT: 6.62 min Scan# 787
Delta R.T. -0.21 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion: 107 Resp: 969330
Ion Ratio Lower Upper
107 100
108 4.3 93.4 140.0#
77 15.0 35.8 53.6#
79 7.5 34.8 52.2#

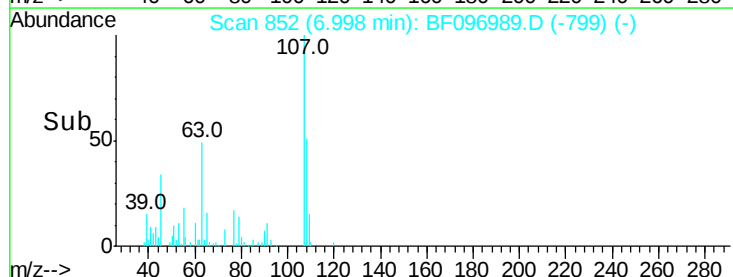
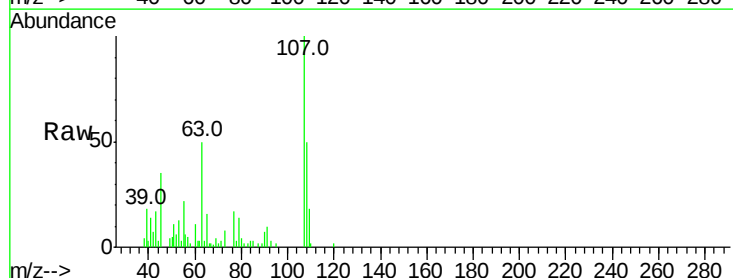
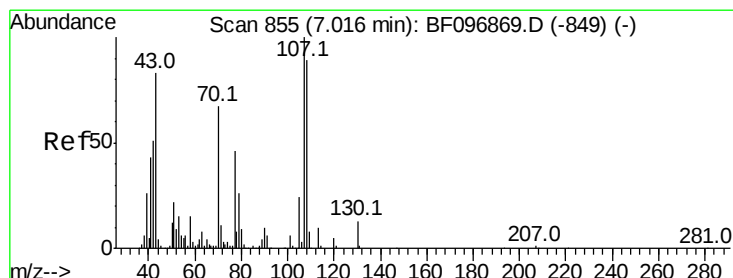
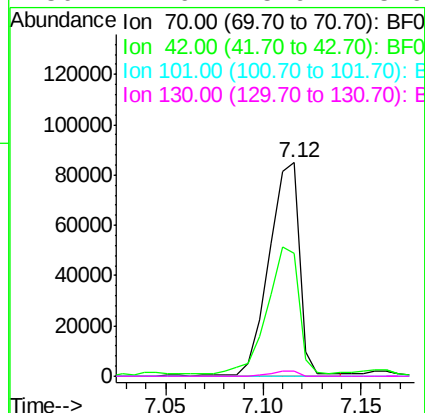




#19
n-Nitroso-di-n-propylamine
Concen: 16.390 ng
RT: 7.12 min Scan# 872
Delta R.T. 0.14 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

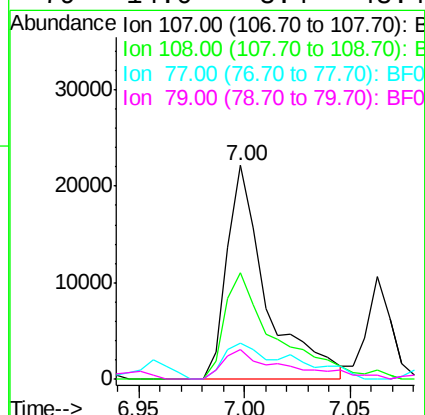
Instrument :
BNA_F
ClientSampleId :

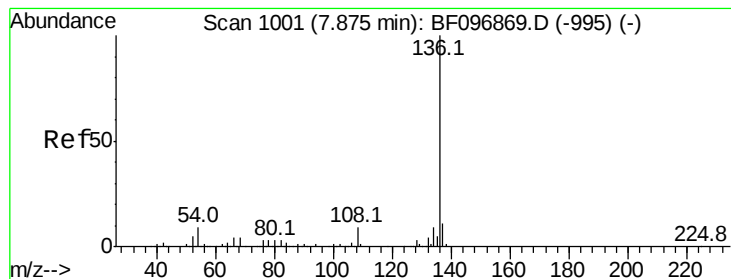
Tot Ion	Ratio	Lower	Upper
70	100		
42	57.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#



#20
3+4-Methylphenols
Concen: 3.595 ng
RT: 7.00 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	49.7	71.0	111.0#
77	16.9	90.5	130.5#
79	14.0	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 487429

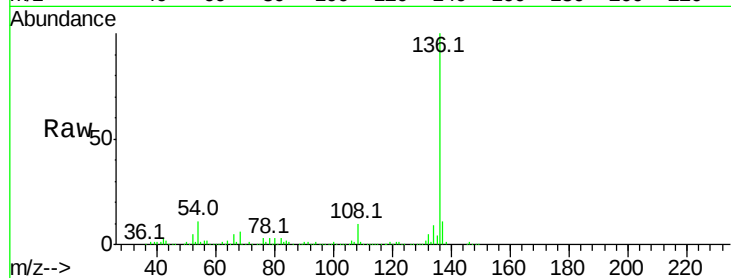
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.6 4.9 7.3#

68 5.5 4.1 6.1

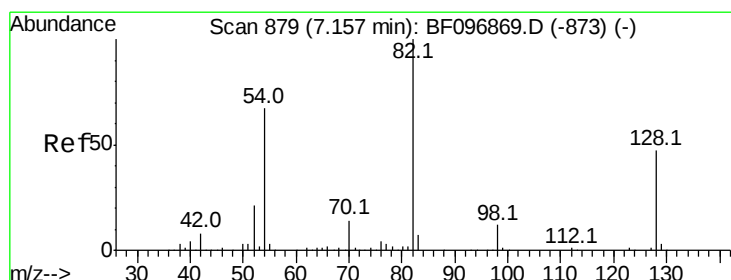
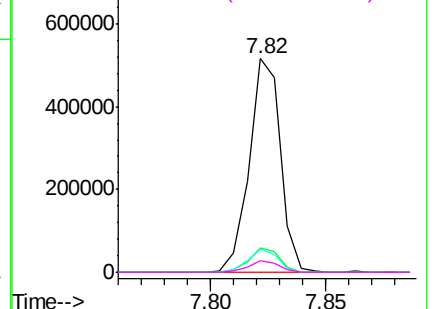
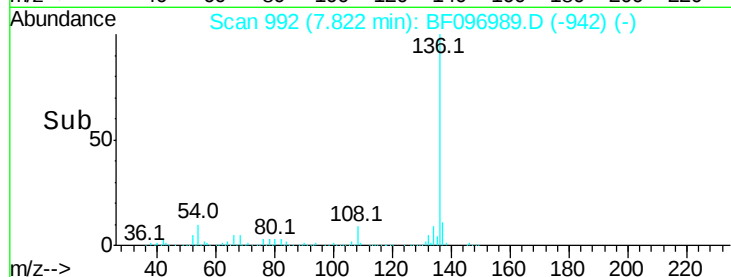


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 85.278 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

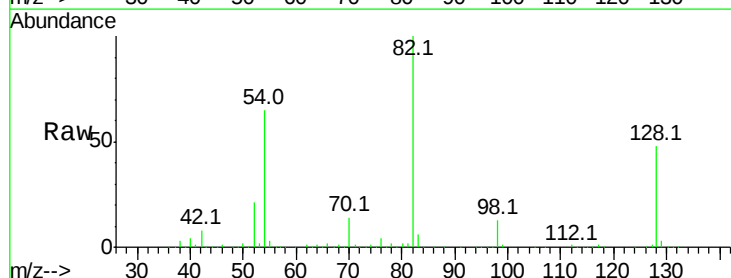
Tgt Ion: 82 Resp: 671072

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

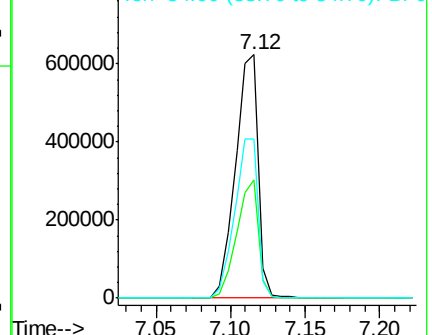
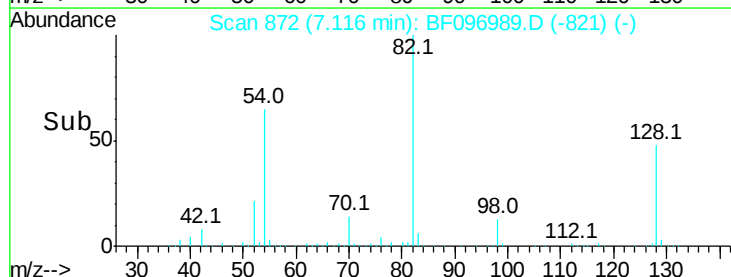
54 65.3 42.2 63.2#

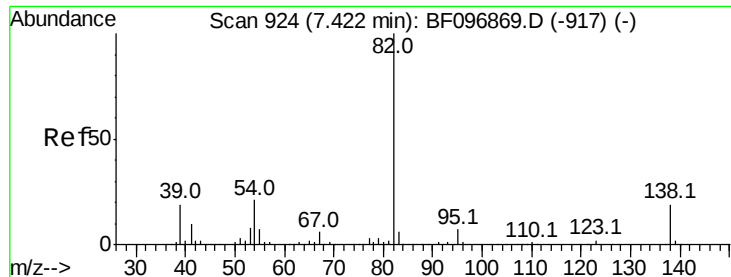


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.841 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

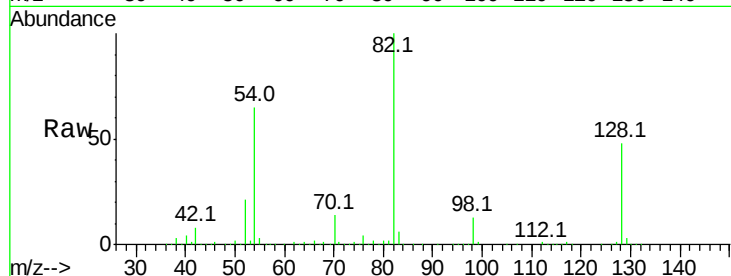
Tot Ion: 82 Resp: 671065

Ion Ratio Lower Upper

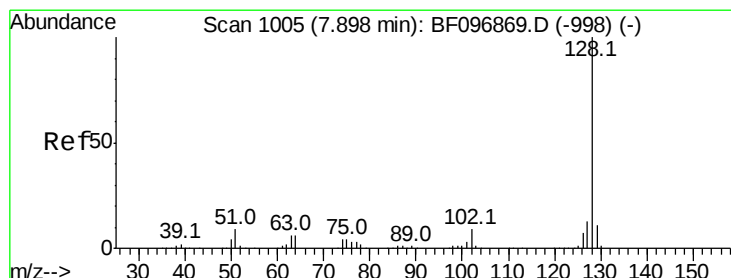
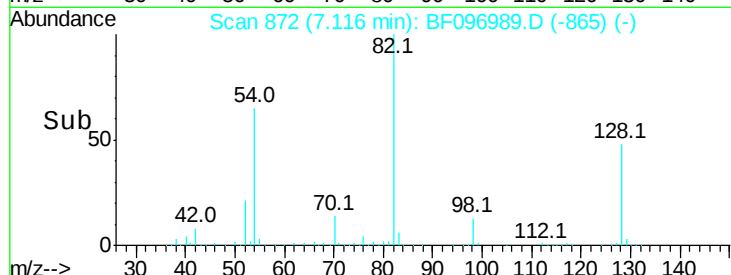
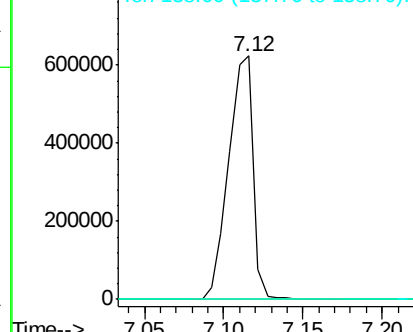
82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



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



#31

Naphthalene

Concen: 12.134 ng

RT: 7.85 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

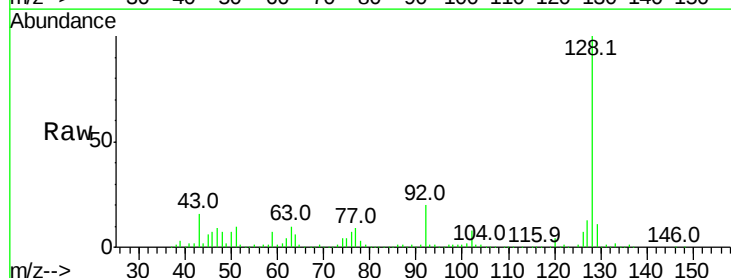
Tgt Ion: 128 Resp: 280188

Ion Ratio Lower Upper

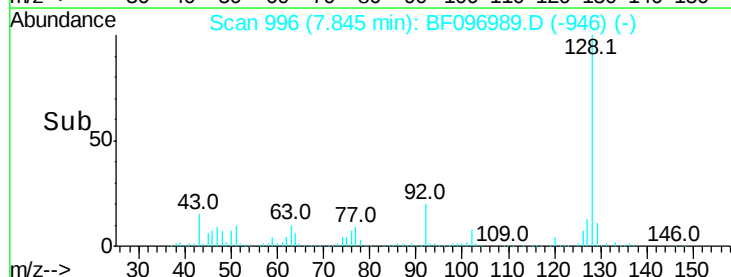
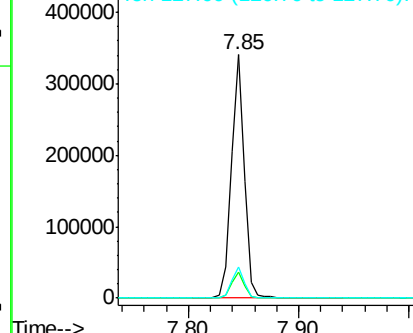
128 100

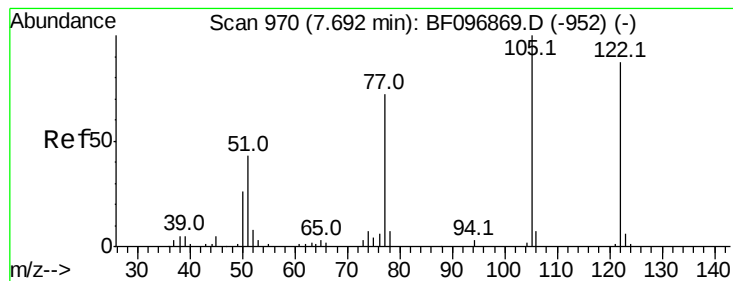
129 10.8 9.0 13.6

127 12.8 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: 2.985 ng

RT: 7.67 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

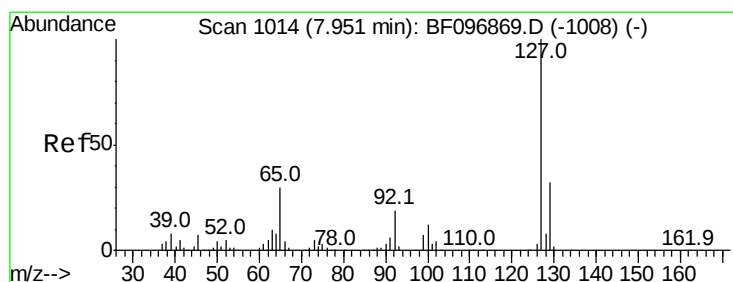
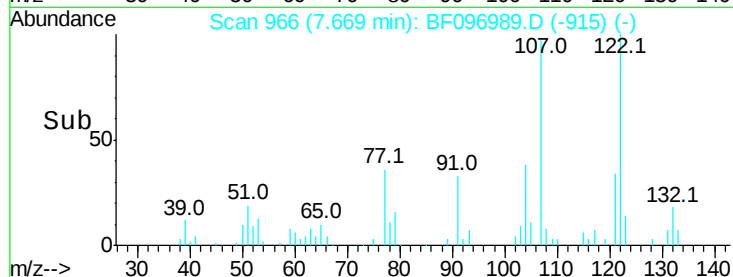
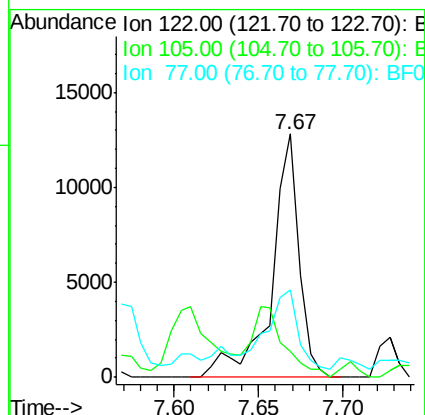
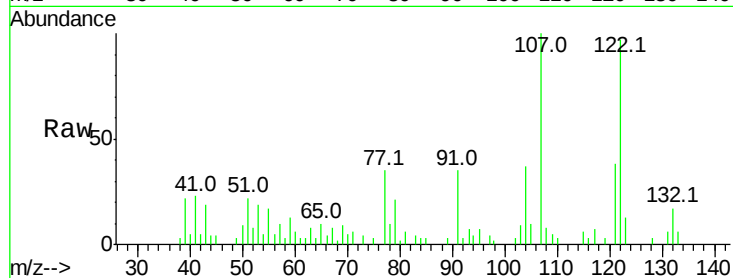
Tot Ion:122 Resp: 14206

Ion Ratio Lower Upper

122 100

105 10.5 103.3 143.3#

77 36.0 73.7 113.7#



#33

4-Chloroaniline

Concen: 4.007 ng

RT: 7.85 min Scan# 996

Delta R.T. -0.06 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Tgt Ion:127 Resp: 36657

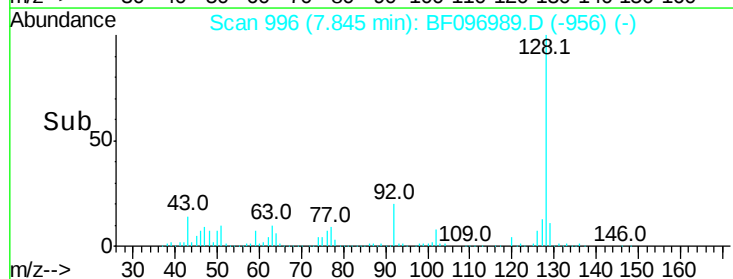
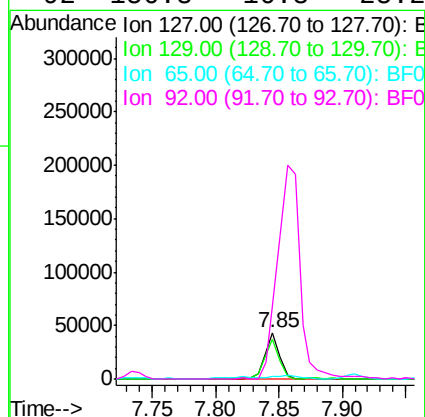
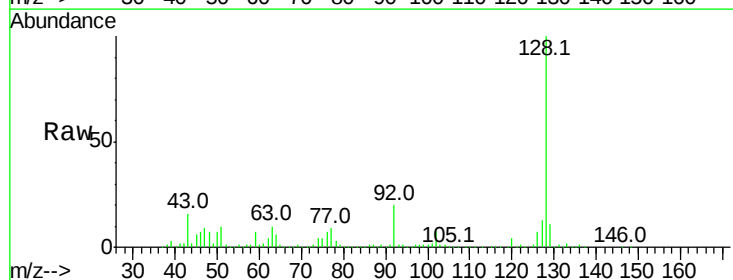
Ion Ratio Lower Upper

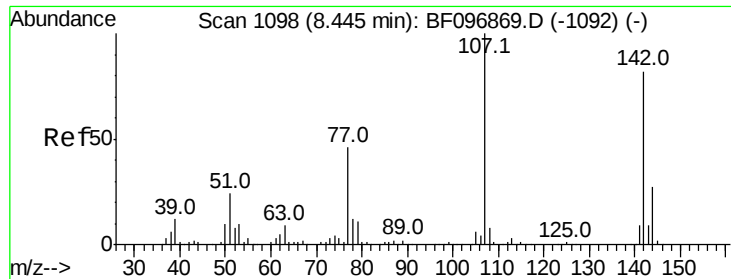
127 100

129 84.9 26.2 39.2#

65 5.7 27.8 41.8#

92 156.8 16.8 25.2#

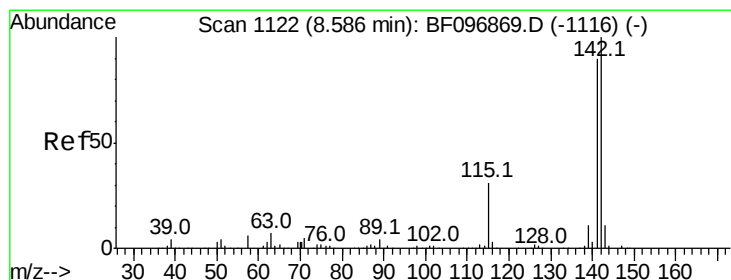
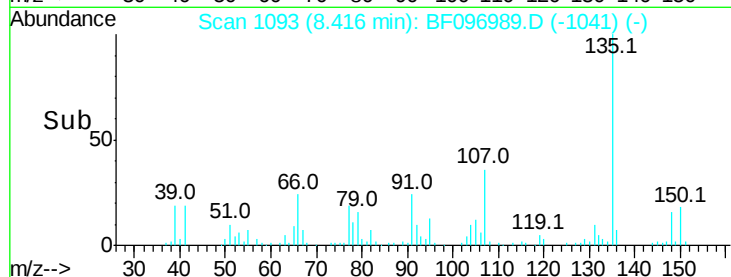
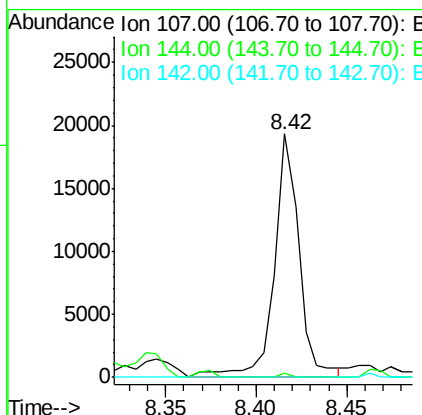
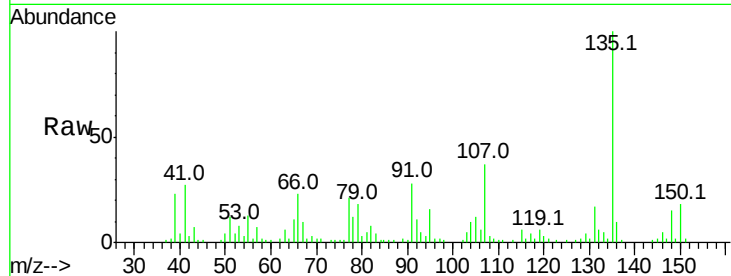




#36
 4-Chloro-3-methylphenol
 Concen: 2.543 ng
 RT: 8.42 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

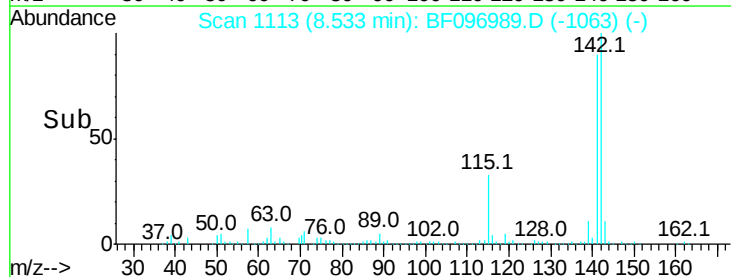
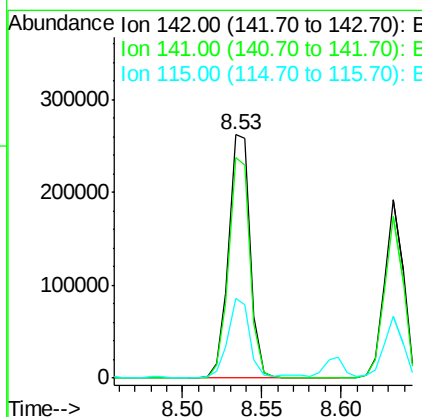
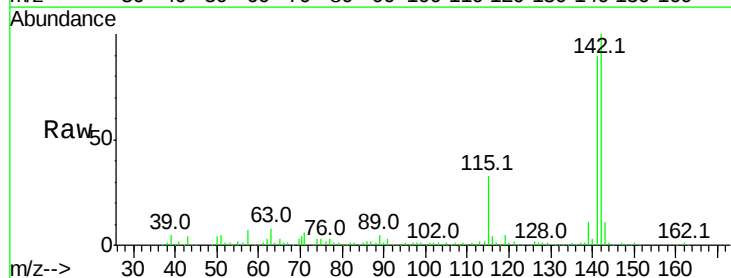
Instrument :
 BNA_F
 ClientSampled :

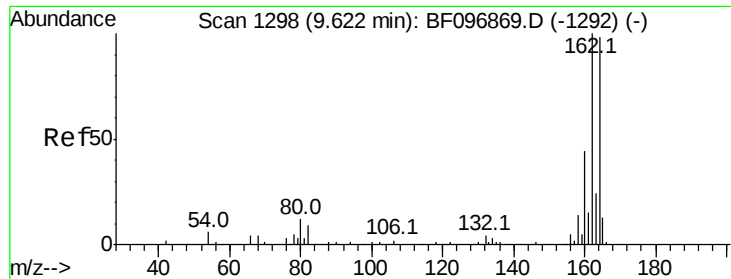
Tot Ion:107 Resp: 18425
 Ion Ratio Lower Upper
 107 100
 144 1.8 24.2 36.4#
 142 0.0 73.4 110.0#



#37
 2-Methylnaphthalene
 Concen: 16.932 ng
 RT: 8.53 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Tgt Ion:142 Resp: 249249
 Ion Ratio Lower Upper
 142 100
 141 90.4 71.3 106.9
 115 33.0 27.1 40.7

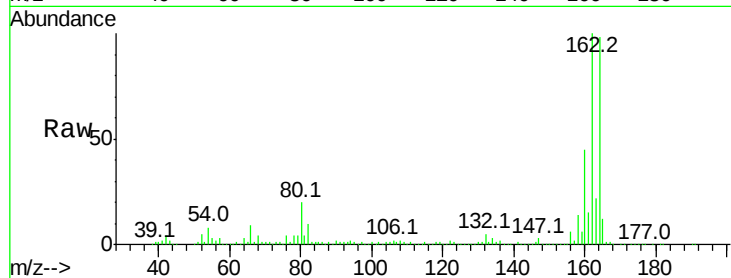




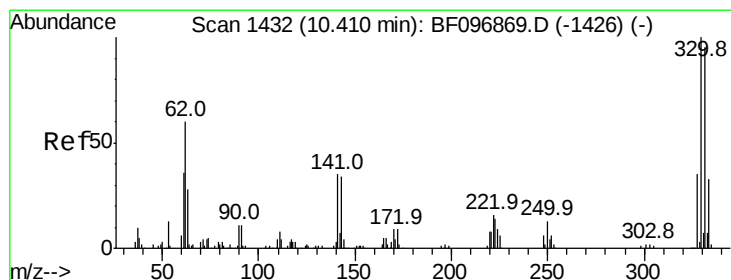
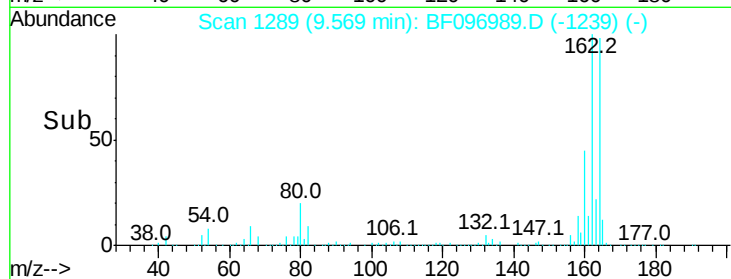
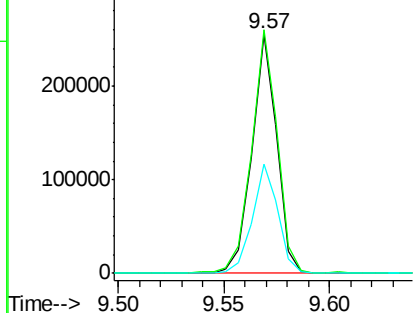
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.57 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	45.6	36.2	54.2

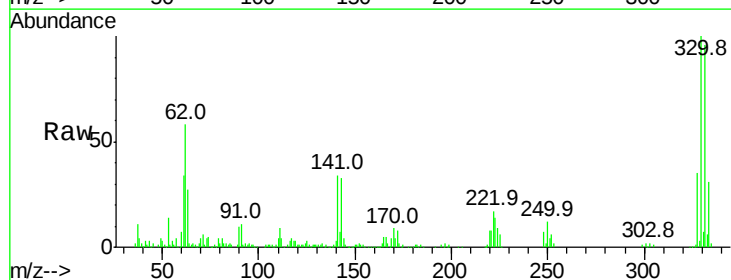


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

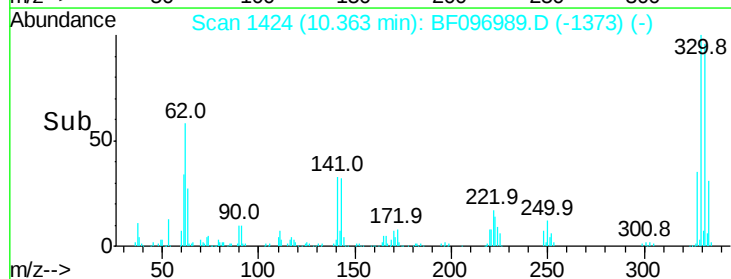
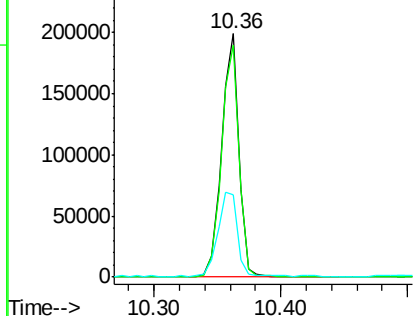


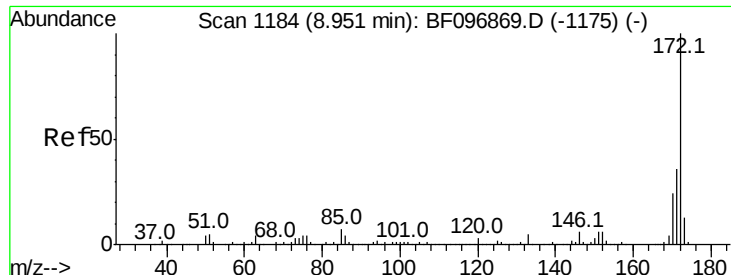
#41
 2,4,6-Tribromophenol
 Concen: 106.180 ng
 RT: 10.36 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	40.1	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

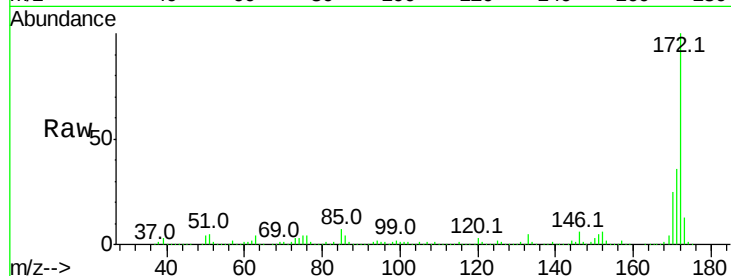




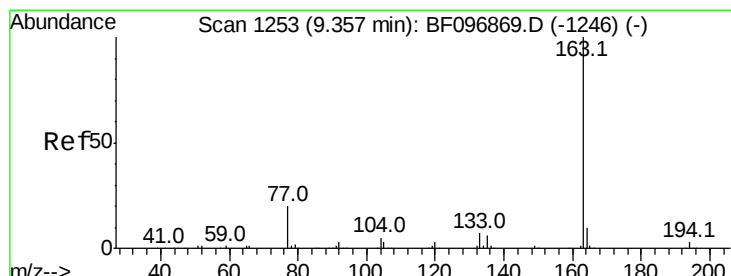
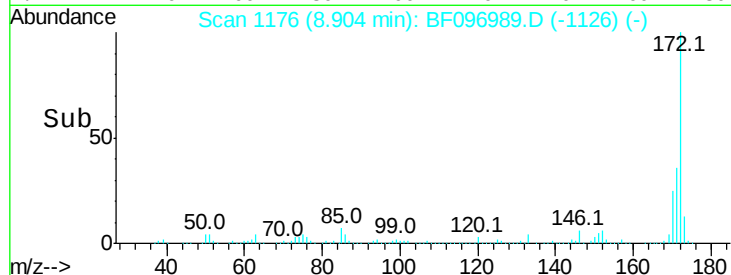
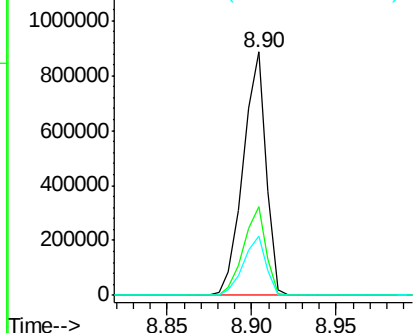
#44
2-Fluorobiphenyl
Concen: 63.623 ng
RT: 8.90 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 840175
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.6 19.8 29.8

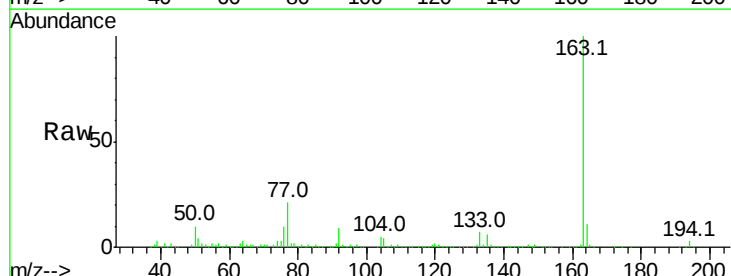


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

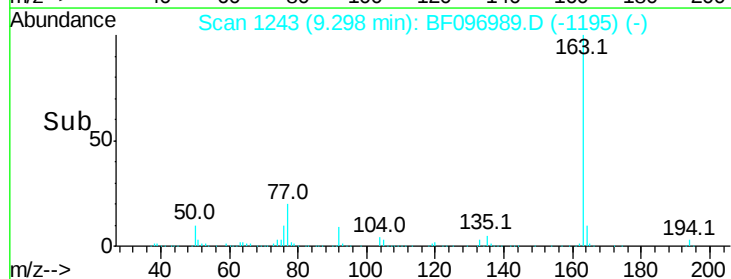
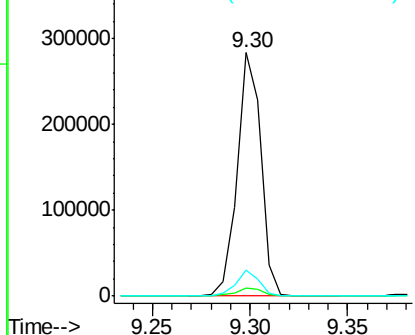


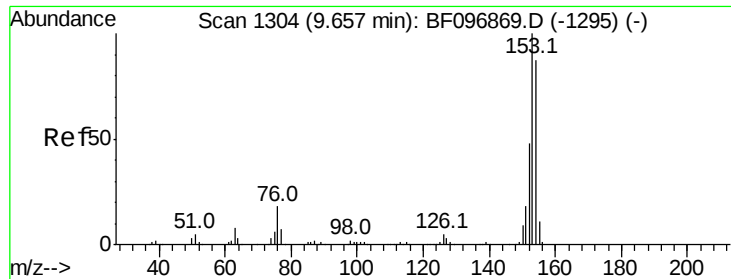
#49
Dimethylphthalate
Concen: 15.069 ng
RT: 9.30 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion:163 Resp: 236726
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.6 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: 2.103 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampled :

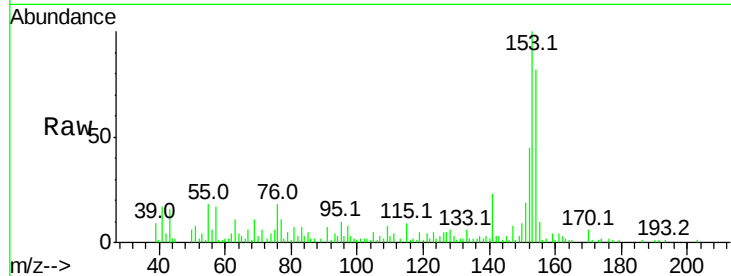
Tot Ion:154 Resp: 26087

Ion Ratio Lower Upper

154 100

153 122.4 90.5 135.7

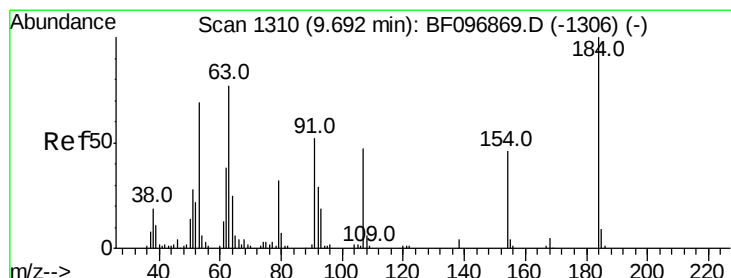
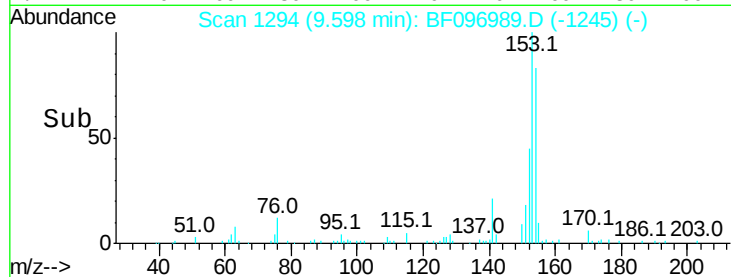
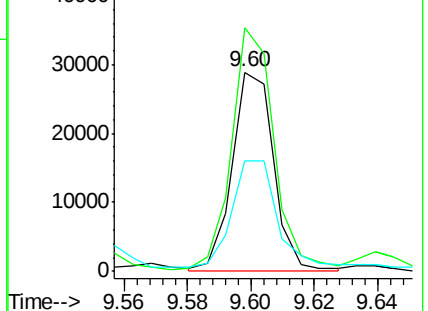
152 55.4 43.6 65.4



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: 6.880 ng

RT: 9.86 min Scan# 1338

Delta R.T. 0.21 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

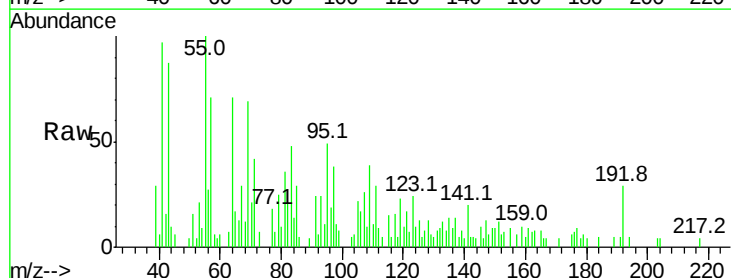
Tgt Ion:184 Resp: 257

Ion Ratio Lower Upper

184 100

63 147.0 62.7 94.1#

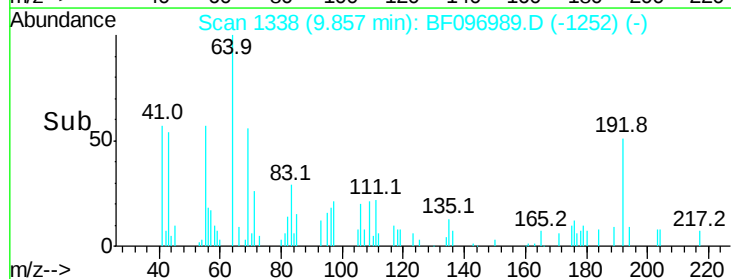
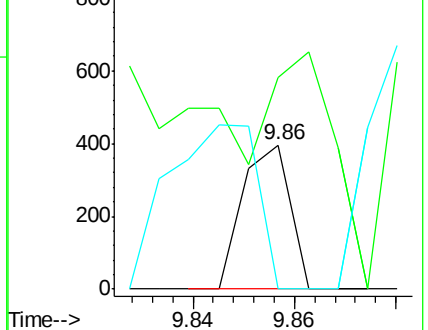
154 0.0 81.1 121.7#

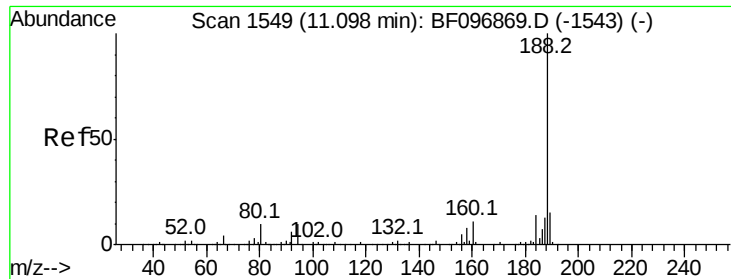


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

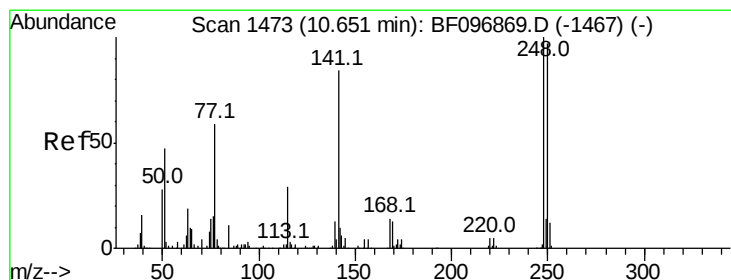
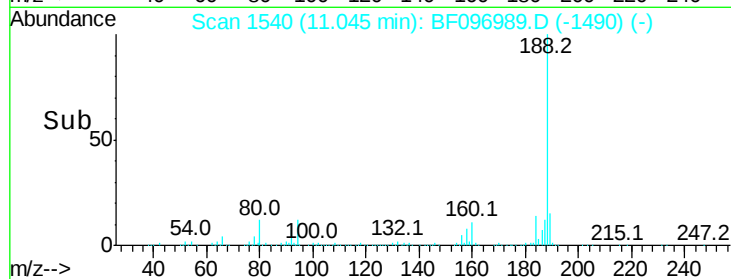
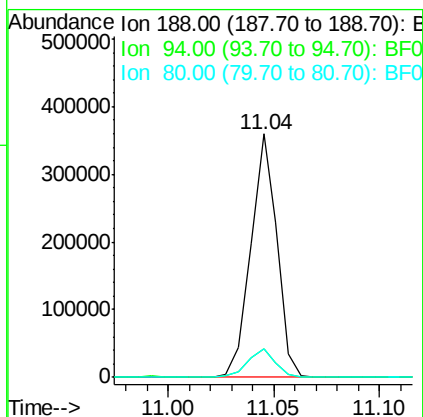
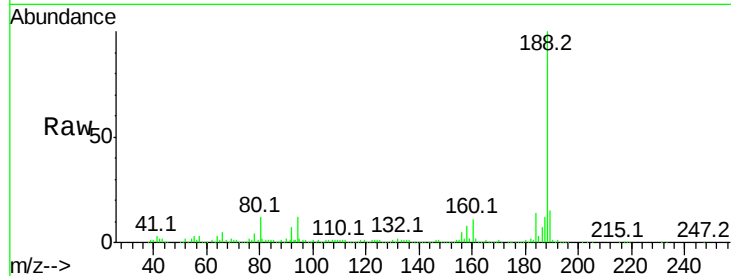




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.04 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

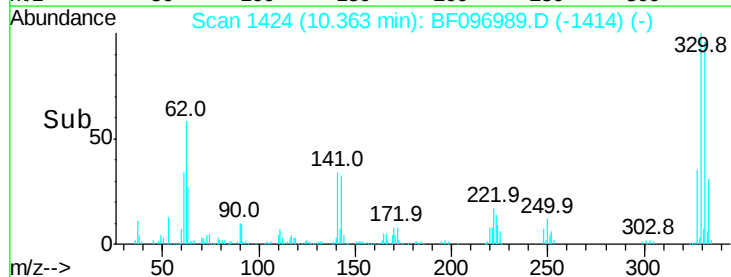
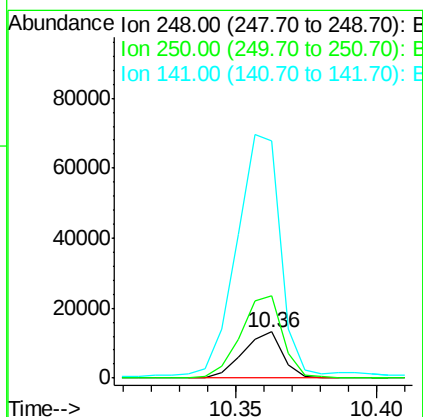
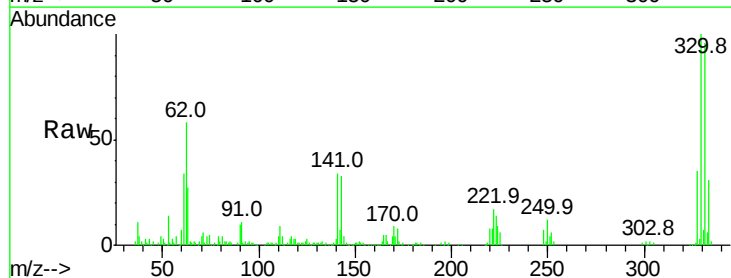
Instrument :
BNA_F
ClientSampled :

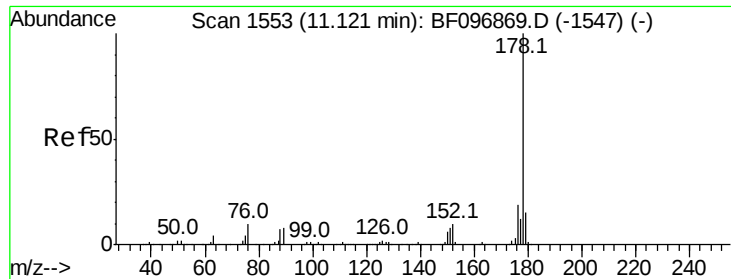
Tot Ion:188 Resp: 308988
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 11.8 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 4.014 ng
RT: 10.36 min Scan# 1424
Delta R.T. -0.24 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion:248 Resp: 12663
Ion Ratio Lower Upper
248 100
250 177.6 76.8 115.2#
141 511.6 68.6 103.0#





#70

Phenanthrene

Concen: 12.963 ng

RT: 11.07 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

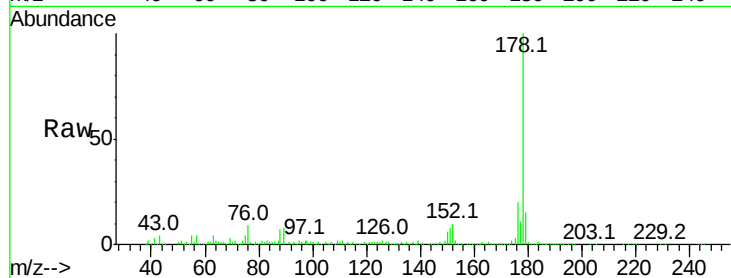
Tot Ion:178 Resp: 217783

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

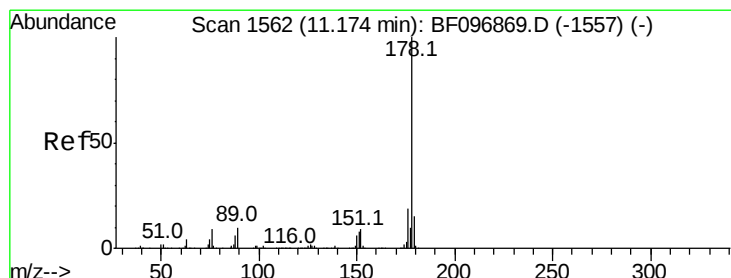
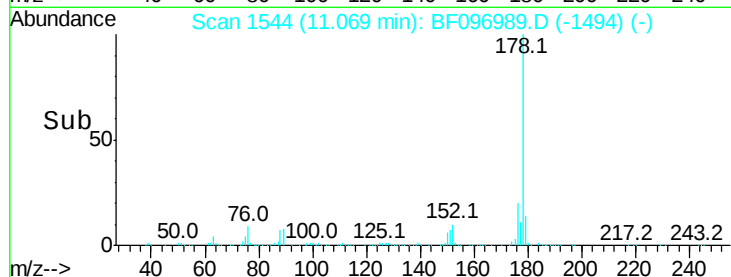
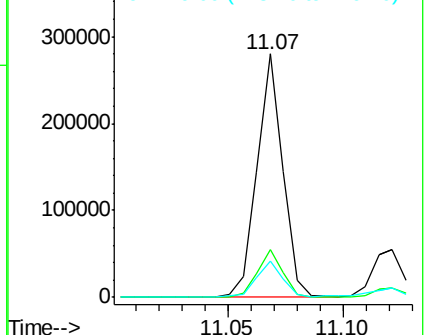
179 14.9 12.6 19.0



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: 2.841 ng

RT: 11.12 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

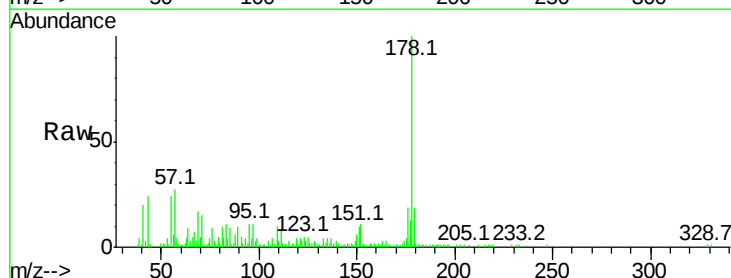
Tgt Ion:178 Resp: 48258

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

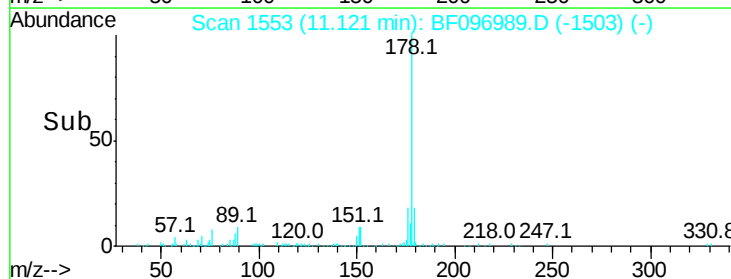
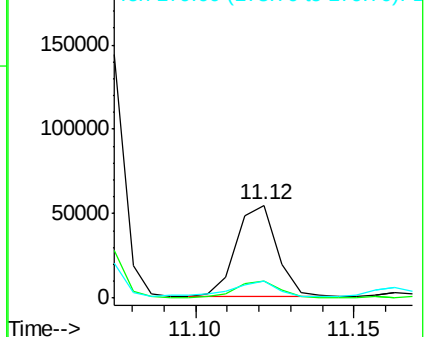
179 19.0 12.7 19.1

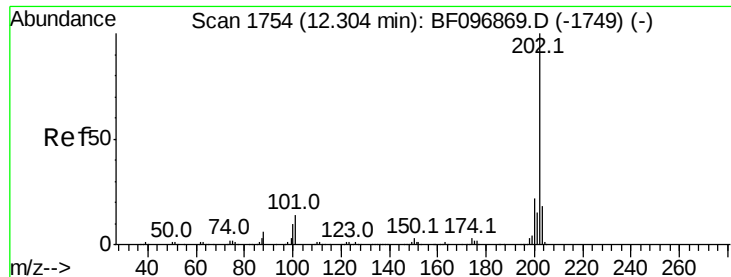


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.593 ng

RT: 12.25 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

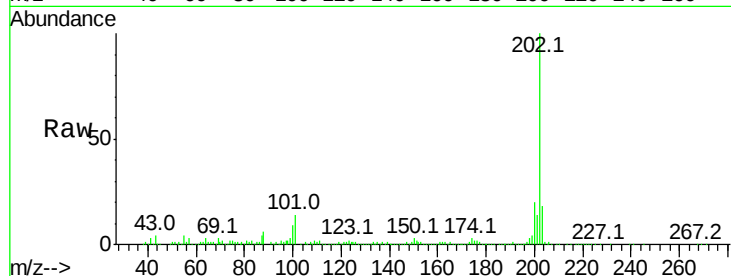
Tot Ion:202 Resp: 218600

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

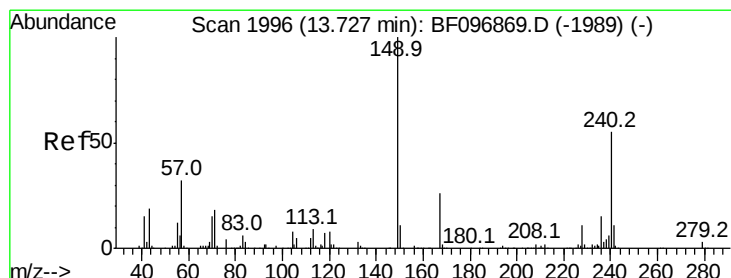
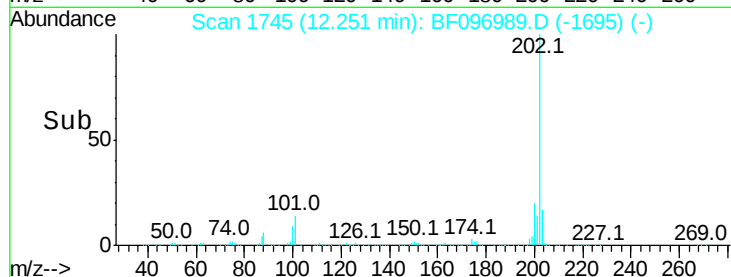
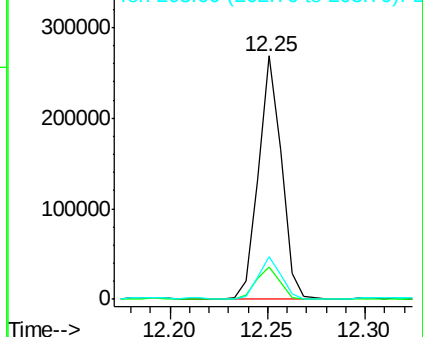
203 17.7 0.0 38.1



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: 20.000 ng

RT: 13.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

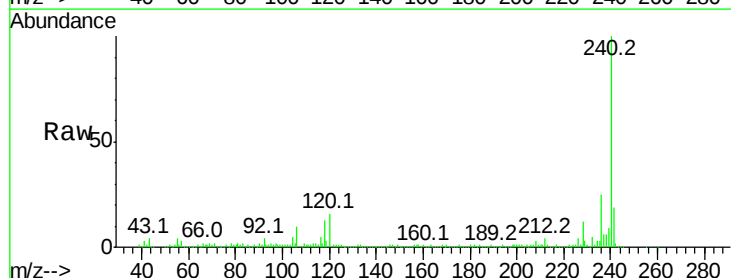
Tgt Ion:240 Resp: 180208

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

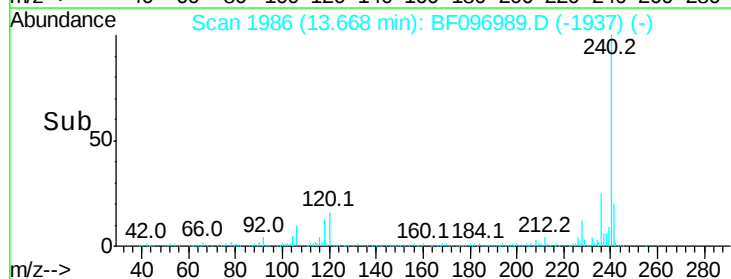
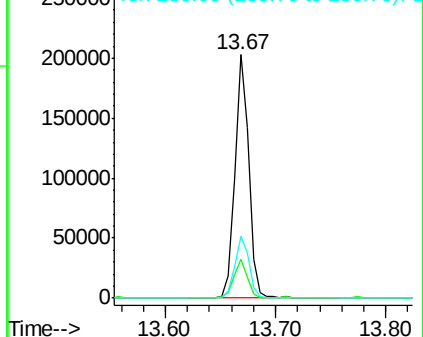
236 25.3 20.5 30.7

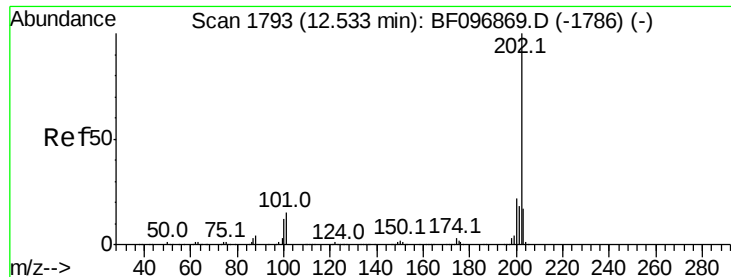


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

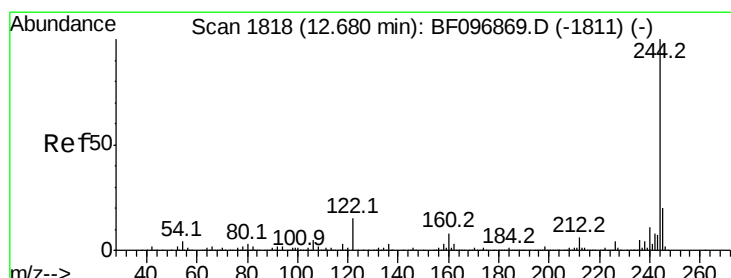
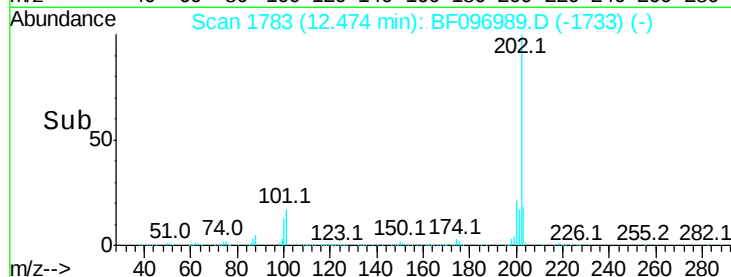
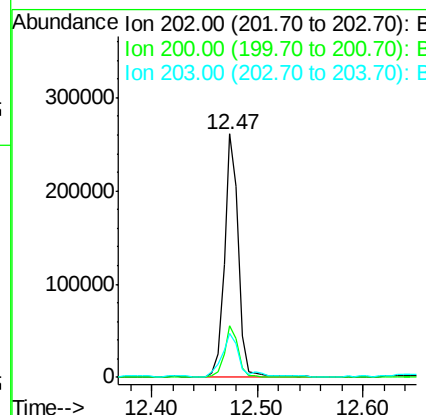
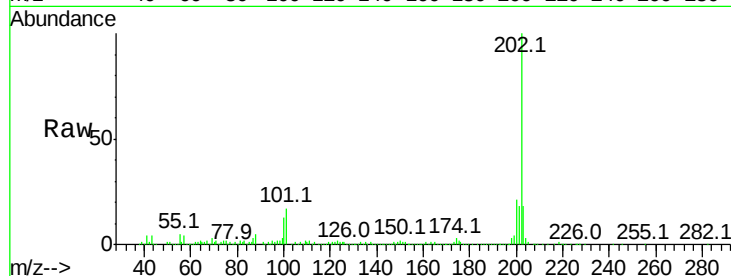




#77
Pvrene
Concen: 14.605 ng
RT: 12.47 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

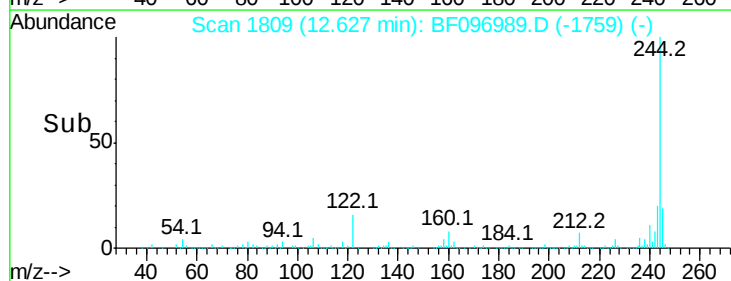
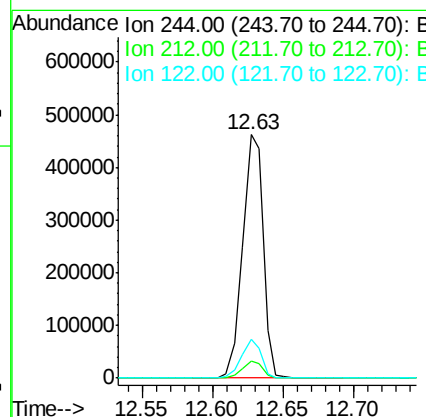
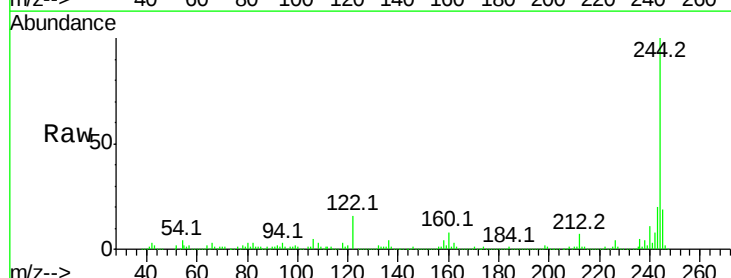
Instrument :
BNA_F
ClientSampleId :

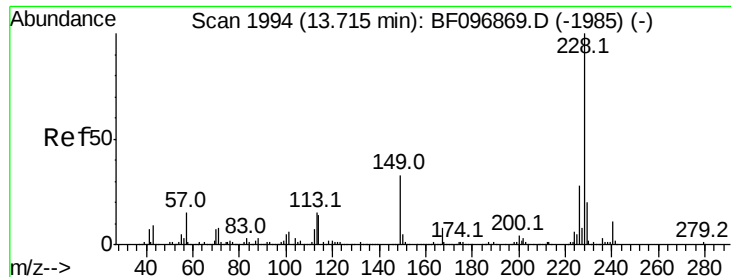
Tot Ion:202 Resp: 238861
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 18.1 14.4 21.6



#78
Terphenyl-d14
Concen: 45.052 ng
RT: 12.63 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion:244 Resp: 468140
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 15.8 10.3 15.5#





#80

Benzo(a)anthracene

Concen: 7.007 ng

RT: 13.66 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

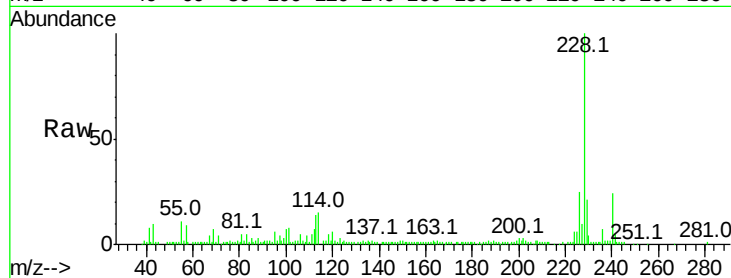
Tot Ion:228 Resp: 78680

Ion Ratio Lower Upper

228 100

226 24.9 22.6 33.8

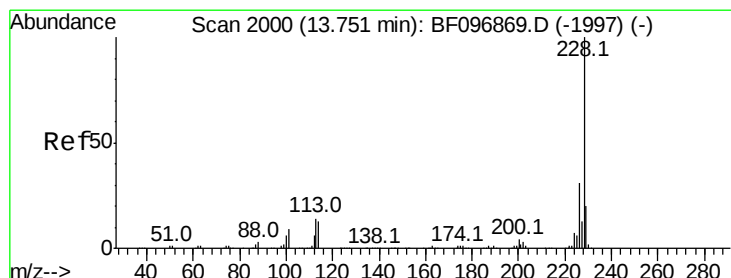
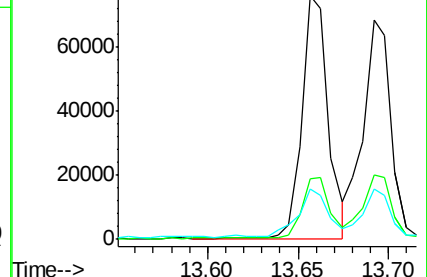
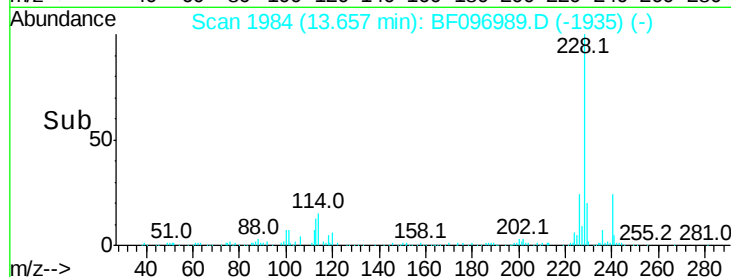
229 20.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.725 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

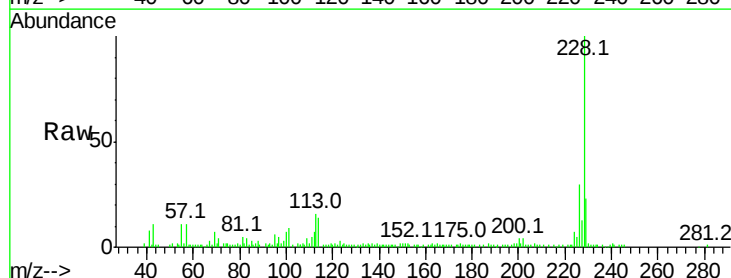
Tgt Ion:228 Resp: 74337

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

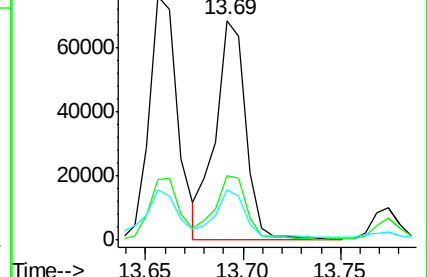
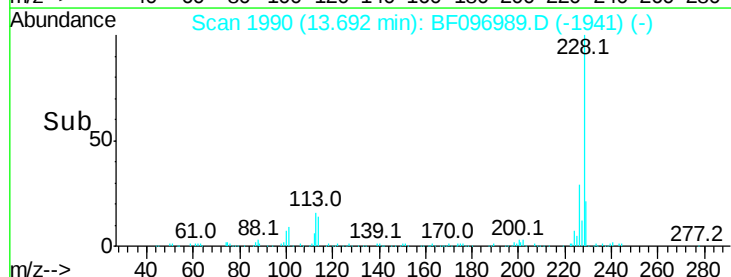
229 22.8 15.8 23.6

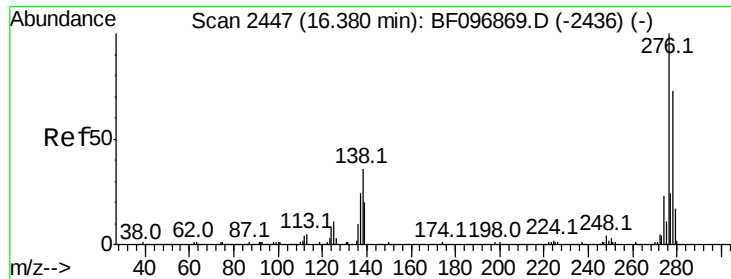


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

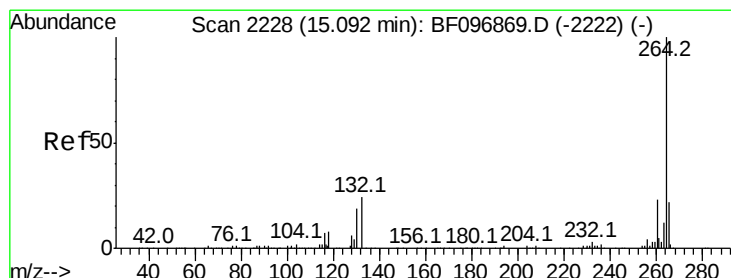
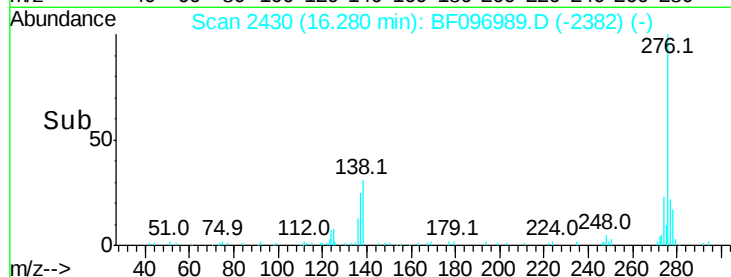
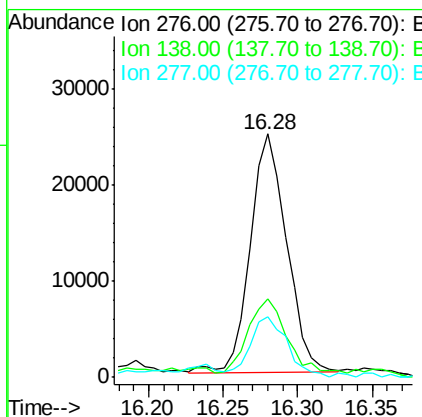
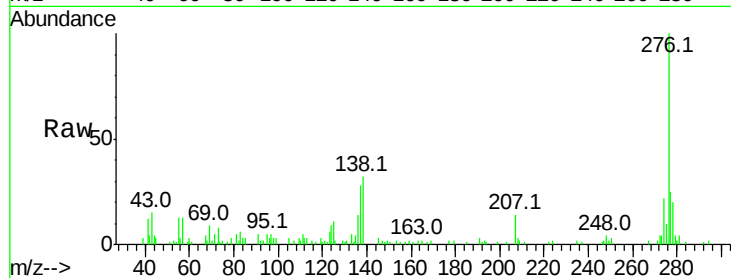




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.249 ng
RT: 16.28 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

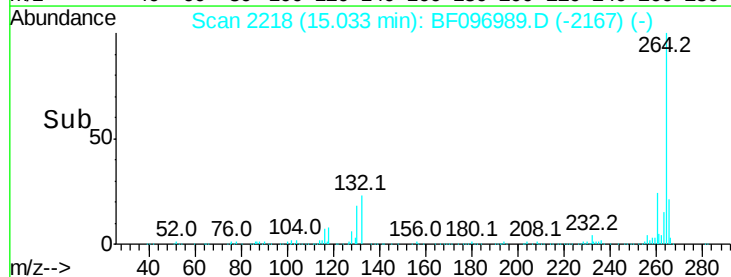
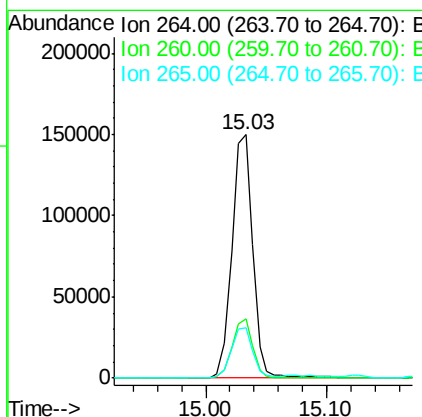
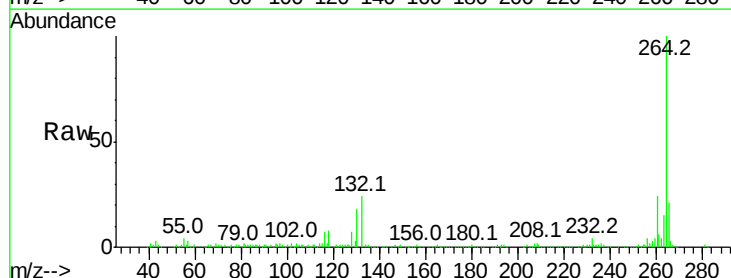
Instrument :
BNA_F
ClientSampleId :

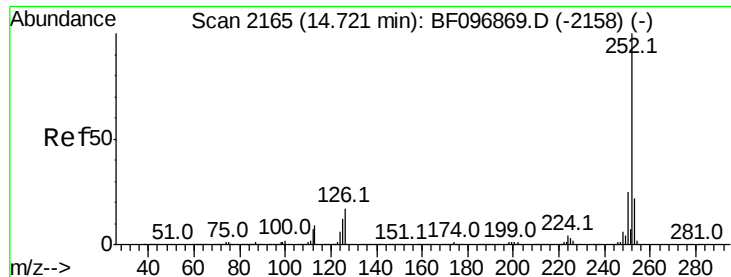
Tot Ion:276 Resp: 41843
Ion Ratio Lower Upper
276 100
138 33.2 27.8 41.6
277 25.8 20.2 30.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion:264 Resp: 181807
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 20.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.077 ng

RT: 14.66 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

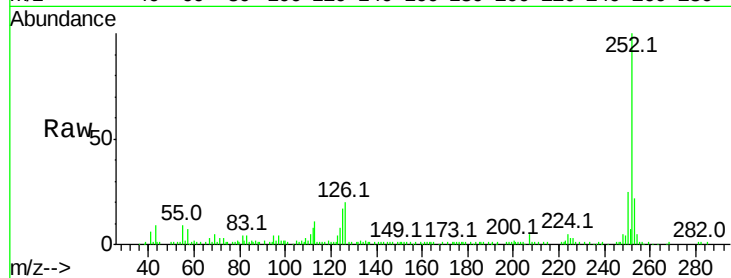
Tot Ion:252 Resp: 110498

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

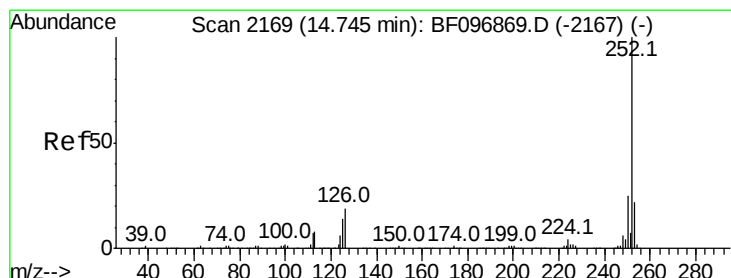
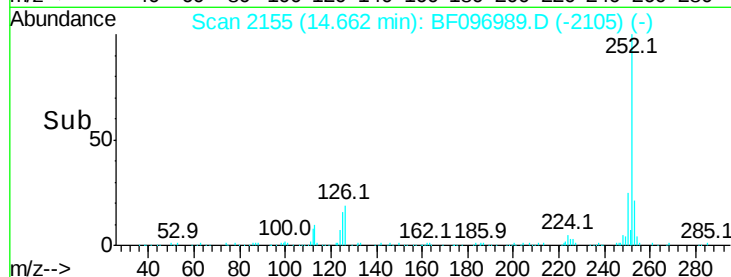
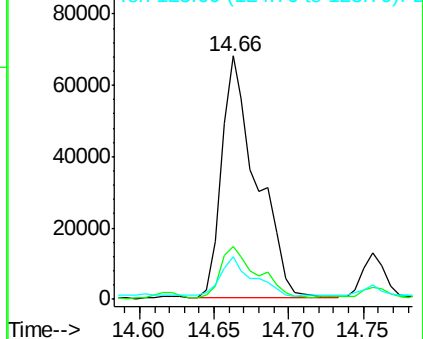
125 17.4 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 10.642 ng

RT: 14.66 min Scan# 2155

Delta R.T. -0.04 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

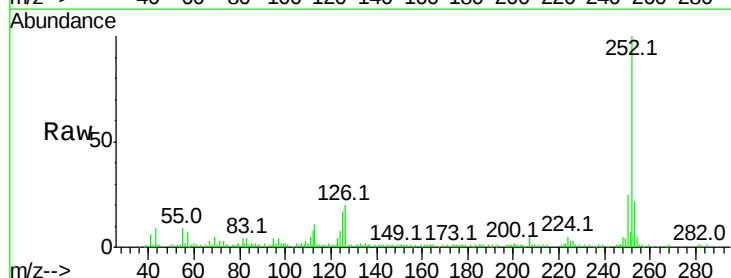
Tgt Ion:252 Resp: 110498

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

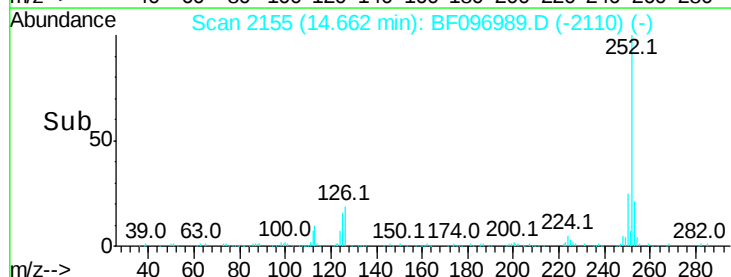
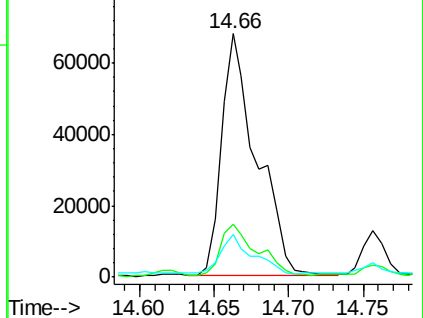
125 17.4 13.1 19.7

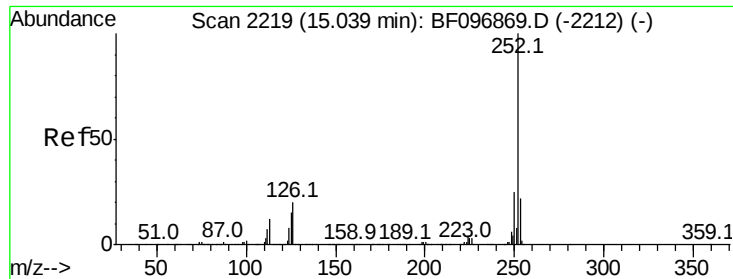


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.384 ng

RT: 14.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

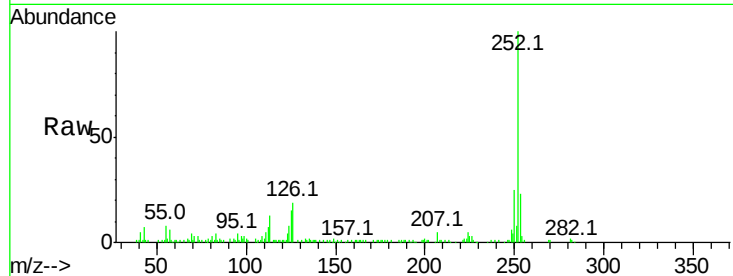
Tot Ion:252 Resp: 74258

Ion Ratio Lower Upper

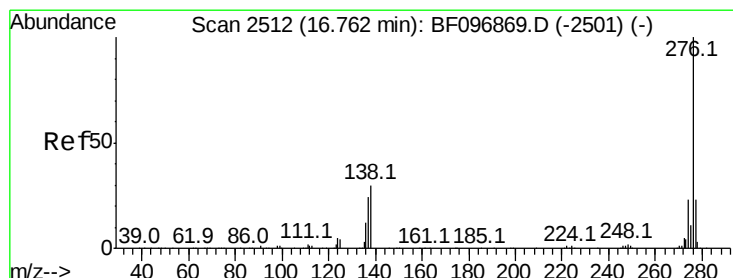
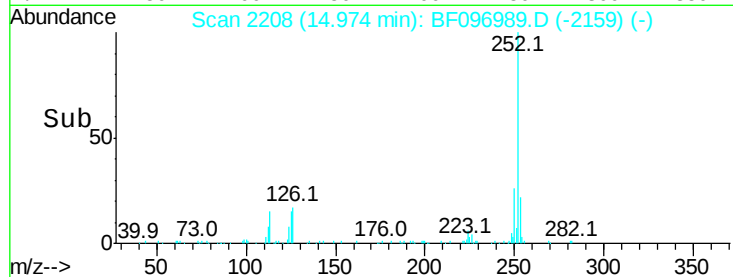
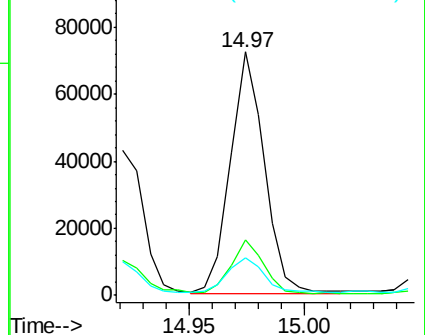
252 100

253 23.0 17.5 26.3

125 15.2 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 5.128 ng

RT: 16.66 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

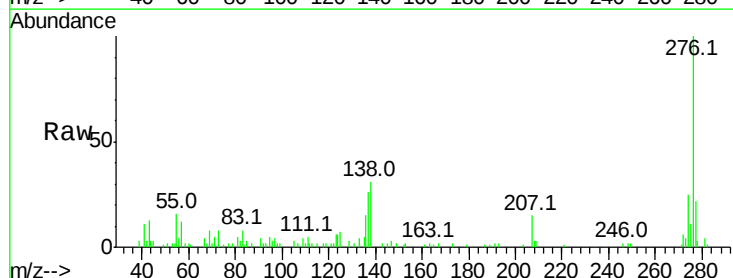
Tgt Ion:276 Resp: 50819

Ion Ratio Lower Upper

276 100

277 22.3 18.6 28.0

138 30.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

