

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092635.D
 Acq On : 30 Jan 2017 15:55
 Operator : SJ/MA
 Sample : I1305-25
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0036

Quant Time: Jan 30 16:23:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161760	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	667088	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	367470	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	608949	20.00	ng	0.00
75) Chrysene-d12	14.16	240	289802	20.00	ng	0.01
86) Perylene-d12	15.61	264	325157	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1439022	152.62	ng	0.01
7) Phenol-d6	6.61	99	1752498	144.46	ng	0.01
23) Nitrobenzene-d5	7.54	82	1212932	101.25	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	353505	133.01	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1994249	98.32	ng	0.00
78) Terphenyl-d14	13.08	244	1617064	131.11	ng	0.00

Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.42	42	966893	158.95	ng	85
11) bis(2-Chloroethyl)ether	6.70	93	1138533	100.50	ng	98
12) 1,3-Dichlorobenzene	6.90	146	348604	28.61	ng	# 90
13) 1,4-Dichlorobenzene	6.98	146	920051	74.61	ng	98
14) 1,2-Dichlorobenzene	7.14	146	1301092	110.35	ng	98
18) Hexachloroethane	7.48	117	461646	109.67	ng	96
19) n-Nitroso-di-n-propylamine	7.39	70	1420215	183.90	ng	98
24) Nitrobenzene	7.55	77	392259	31.89	ng	99
25) Isophorone	7.79	82	2451517	109.82	ng	98
28) bis(2-Chloroethoxy)methane	8.01	93	743692	50.30	ng	98
30) 1,2,4-Trichlorobenzene	8.19	180	884275	85.68	ng	95
31) Naphthalene	8.28	128	3355826	99.24	ng	99
37) 2-Methylnaphthalene	8.97	142	1565267	72.09	ng	98
40) Hexachlorocyclopentadiene	9.12	237	415524	89.28	ng	96
46) 2-Chloronaphthalene	9.46	162	1707175	82.01	ng	96
48) Acenaphthylene	9.87	152	2976497	82.78	ng	99
51) Acenaphthene	10.05	154	2284977	106.28	ng	97
56) 2,4-Dinitrotoluene	10.19	165	194554	27.34	ng	97
59) Diethylphthalate	10.43	149	1351320	57.93	ng	96
60) 4-Chlorophenyl-phenylether	10.56	204	782599	73.63	ng	# 73
65) n-Nitrosodiphenylamine	10.67	169	872208	44.84	ng	99
66) 4-Bromophenyl-phenylether	11.04	248	434765	68.34	ng	95
70) Phenanthrene	11.53	178	3207423	91.94	ng	99
71) Anthracene	11.59	178	3236508	92.38	ng	99
73) Di-n-butylphthalate	12.05	149	2985051	82.42	ng	98
79) Butylbenzylphthalate	13.56	149	1819510	206.59	ng	90
80) Benzo(a)anthracene	14.15	228	3791177	213.89	ng	99
82) Chrysene	14.18	228	2438241	146.92	ng	100
84) Di-n-octyl phthalate	14.73	149	2935747	149.68	ng	99
85) Indeno(1,2,3-cd)pyrene	17.11	276	2238201	174.12	ng	97
88) Benzo(k)fluoranthene	15.22	252	2421442	131.04	ng	98
90) Dibenzo(a,h)anthracene	17.13	278	1242670	83.05	ng	99
91) Benzo(a,h,i)perylene	17.59	276	2829371	187.19	ng	# 95

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Instrument :
BNA_F
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0036

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

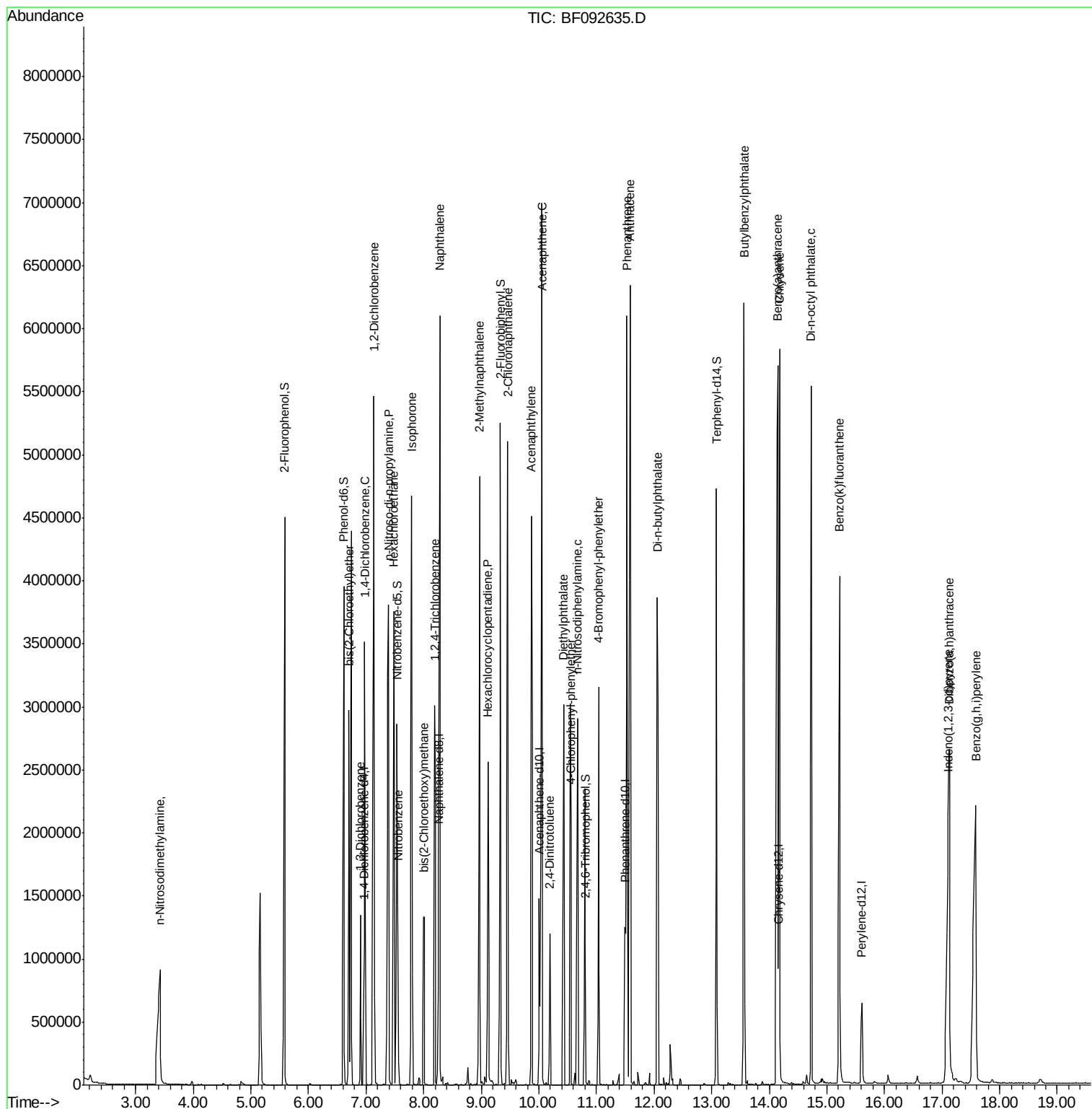
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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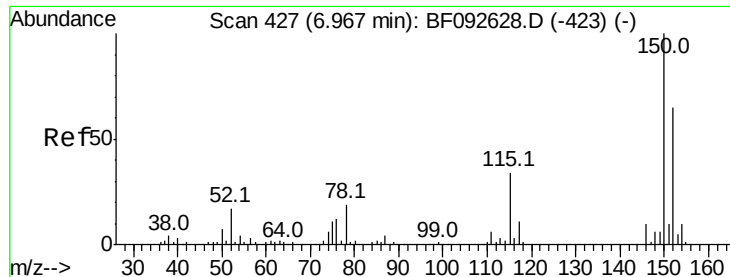
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

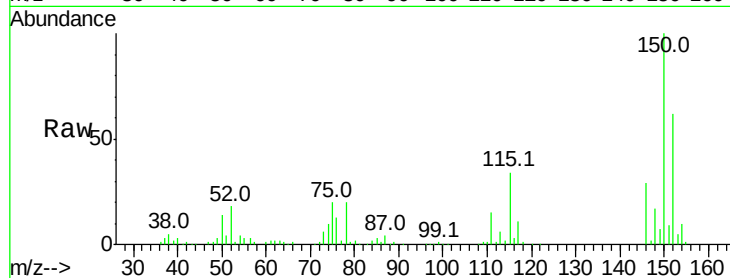
Tot Ion:152 Resp: 161760

Ion Ratio Lower Upper

152 100

150 162.5 124.9 187.3

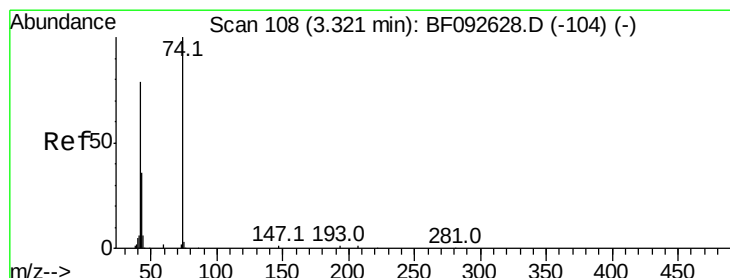
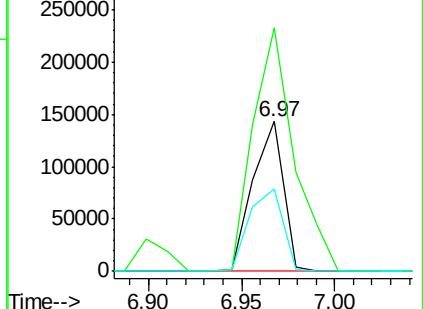
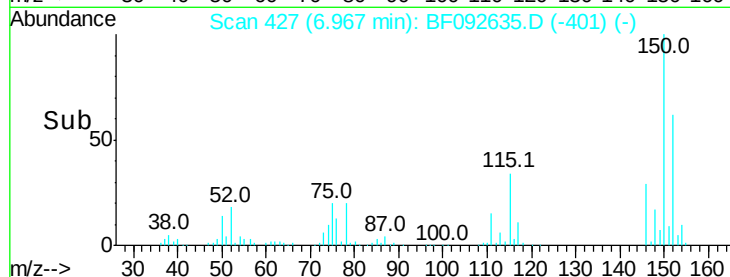
115 54.6 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 158.95 ng

RT: 3.42 min Scan# 117

Delta R.T. 0.10 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

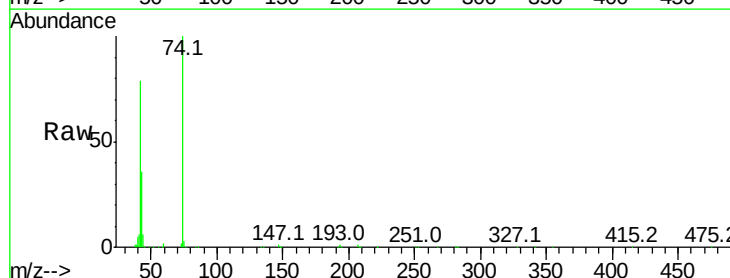
Tgt Ion: 42 Resp: 966893

Ion Ratio Lower Upper

42 100

74 126.5 117.0 175.4

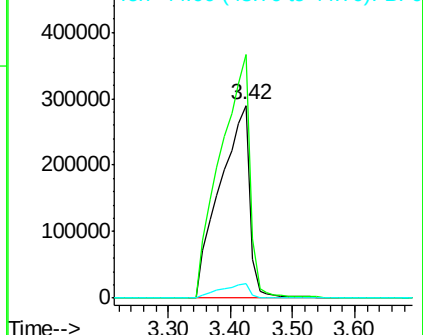
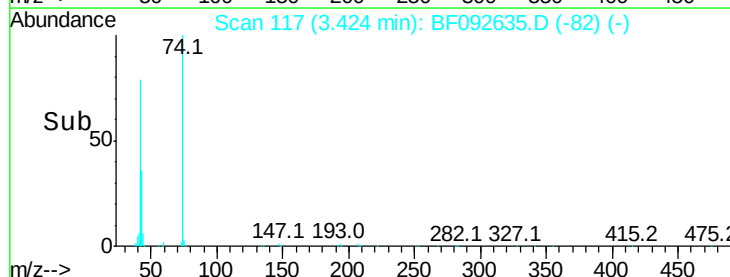
44 7.6 5.5 8.3

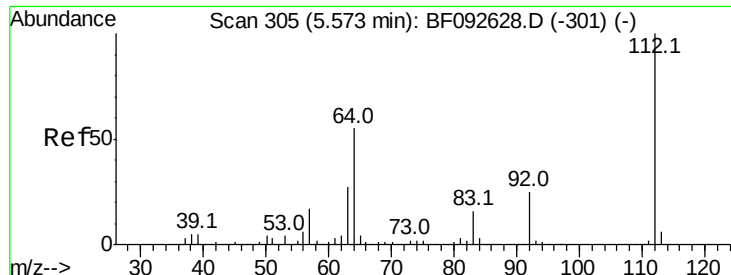


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 152.62 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

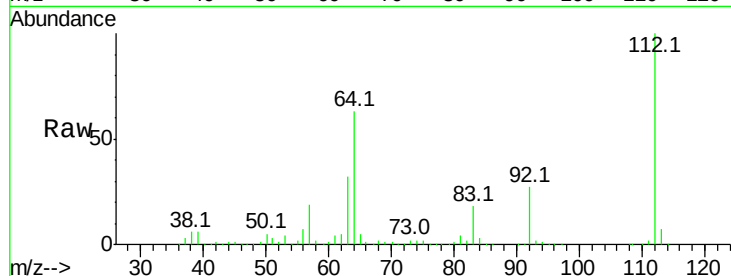
Tot Ion:112 Resp: 1439022

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

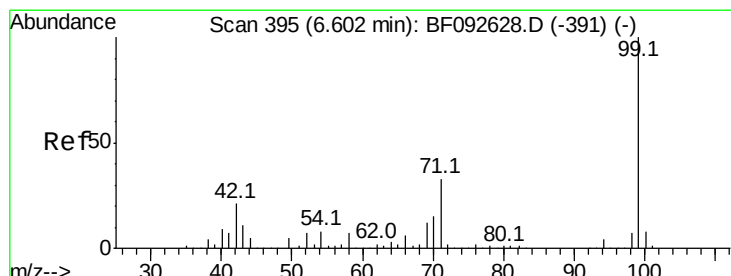
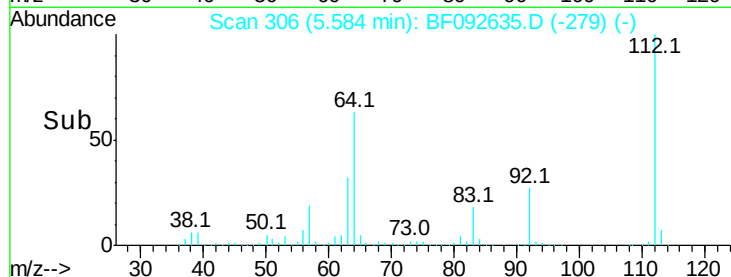
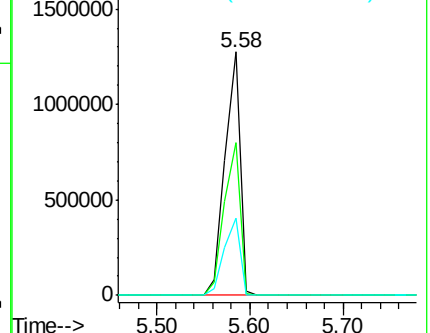
63 31.7 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 144.46 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

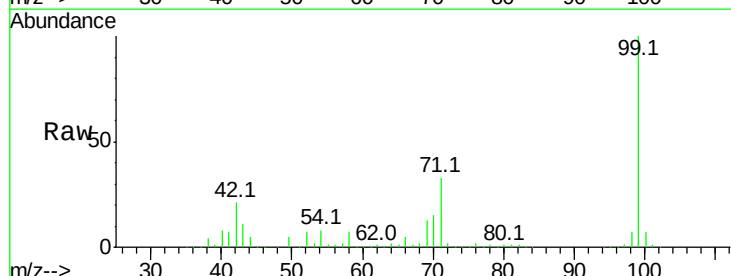
Tgt Ion: 99 Resp: 1752498

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

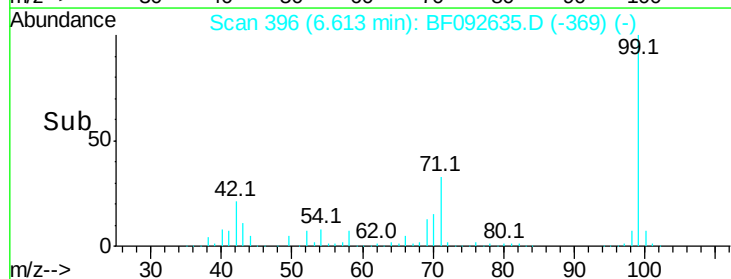
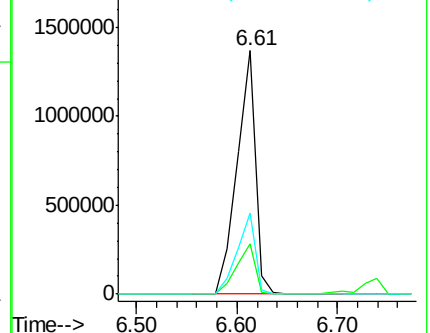
71 33.2 27.5 41.3

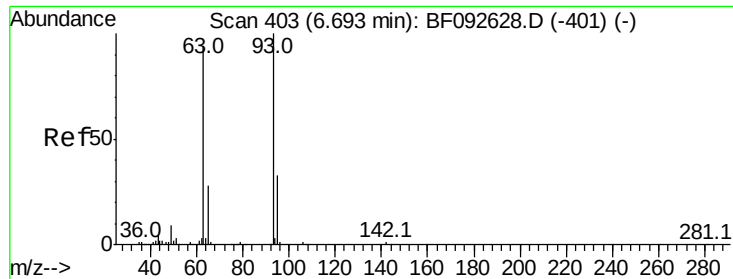


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 100.50 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

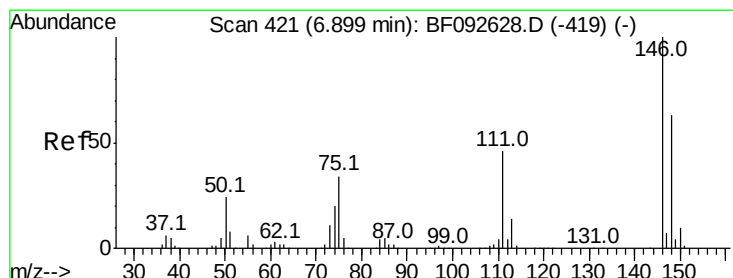
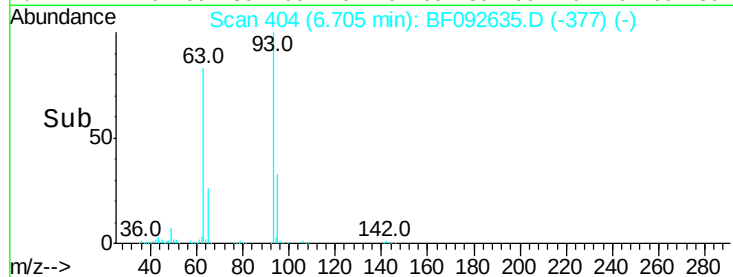
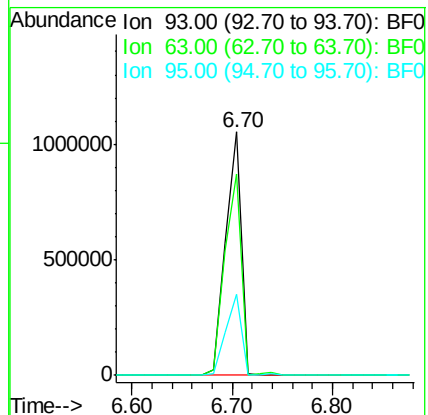
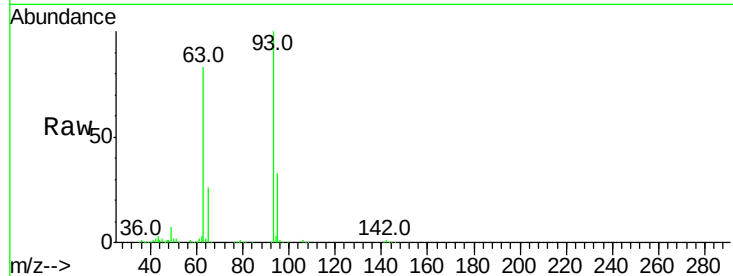
Tot Ion: 93 Resp: 1138533

Ion Ratio Lower Upper

93 100

63 82.5 60.4 100.4

95 33.2 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 28.61 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

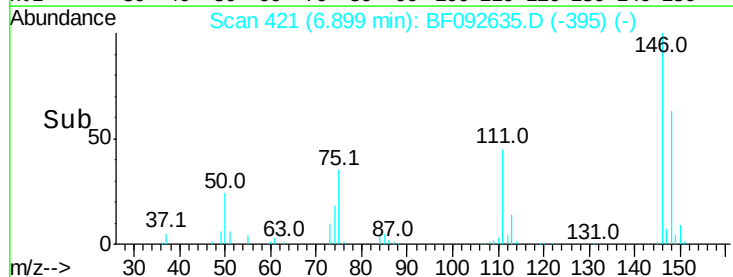
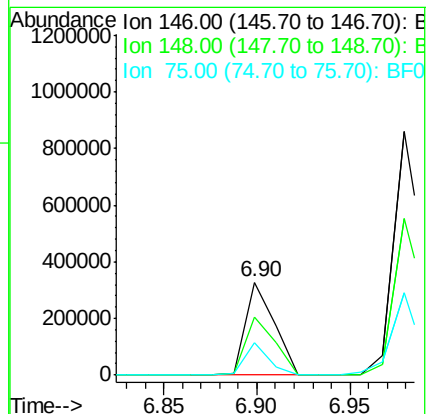
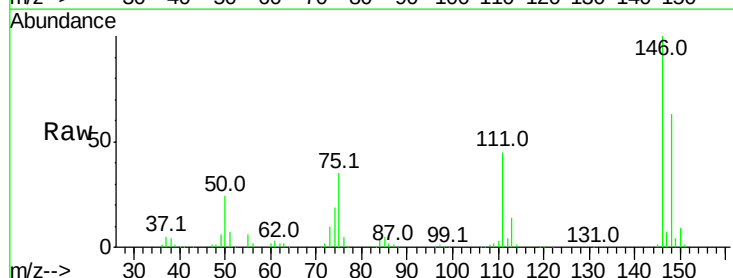
Tgt Ion: 146 Resp: 348604

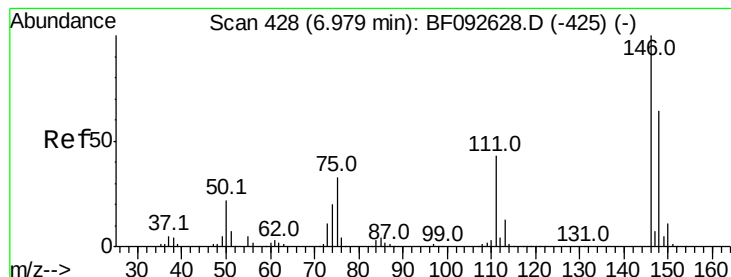
Ion Ratio Lower Upper

146 100

148 62.9 53.4 80.0

75 34.8 18.5 27.7#





#13

1,4-Dichlorobenzene

Concen: 74.61 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

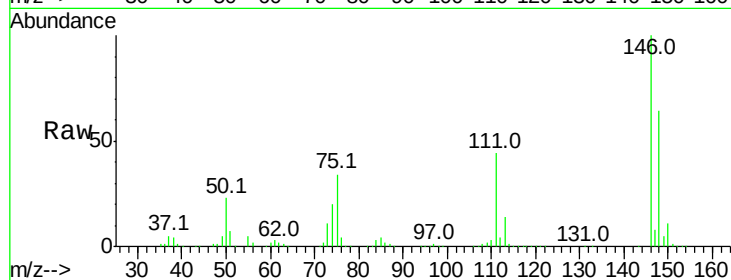
Tot Ion:146 Resp: 920051

Ion Ratio Lower Upper

146 100

148 64.1 50.6 76.0

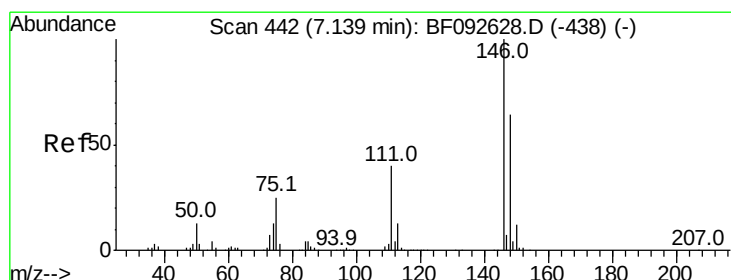
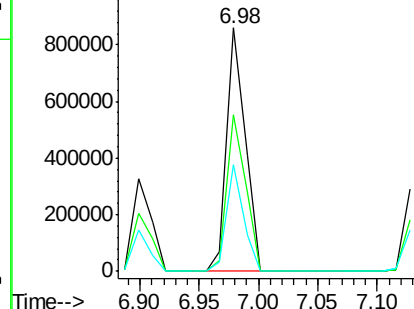
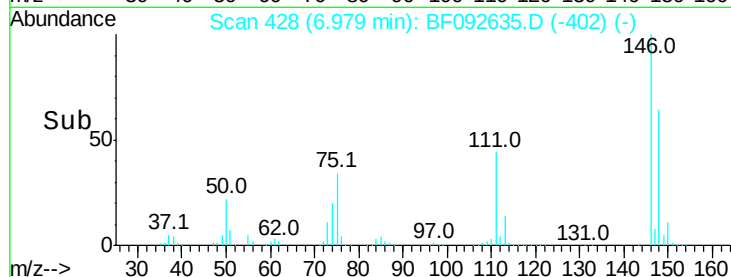
111 43.7 36.2 54.4



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



#14

1,2-Dichlorobenzene

Concen: 110.35 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

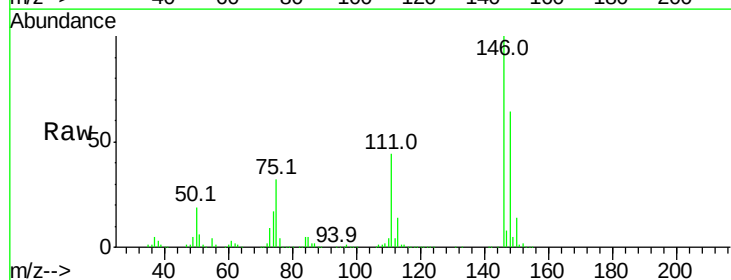
Tgt Ion:146 Resp: 1301092

Ion Ratio Lower Upper

146 100

148 63.9 52.2 78.2

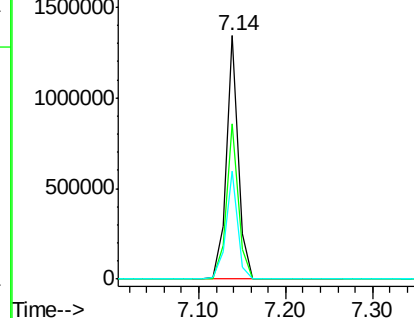
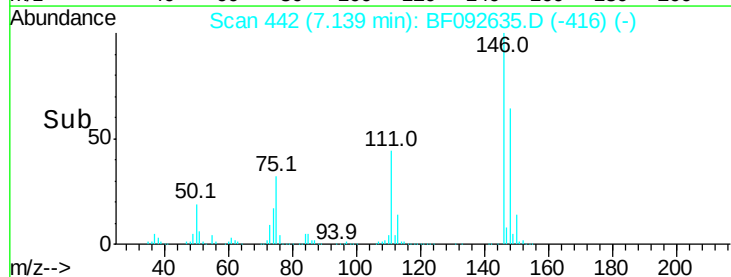
111 44.3 36.2 54.2

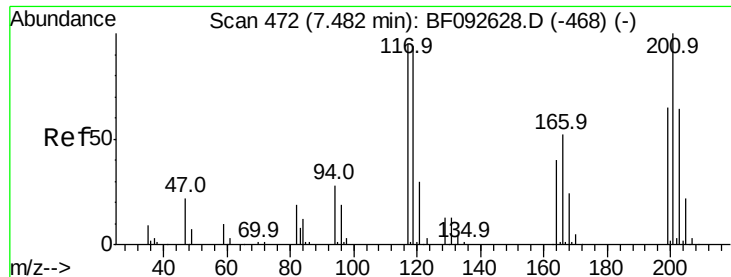


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#18

Hexachloroethane

Concen: 109.67 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampled :

0036

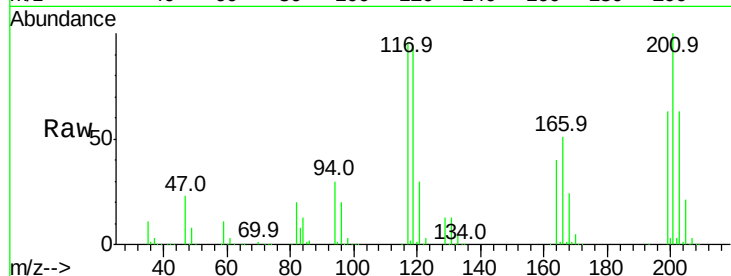
Tot Ion:117 Resp: 461646

Ion Ratio Lower Upper

117 100

119 98.7 78.1 117.1

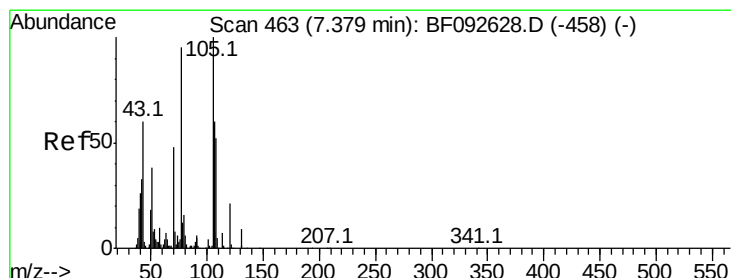
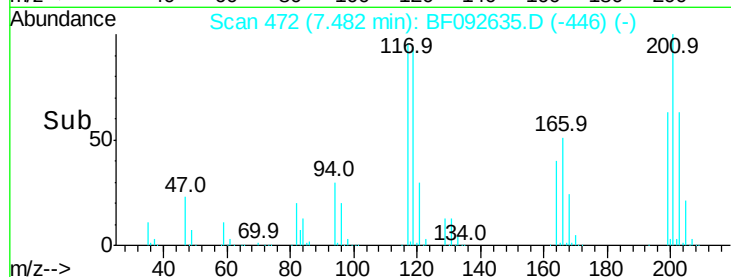
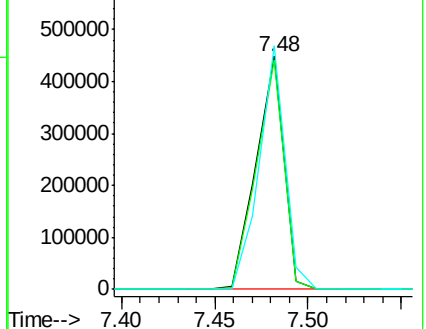
201 104.5 78.6 117.8



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: 183.90 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Tgt Ion: 70 Resp: 1420215

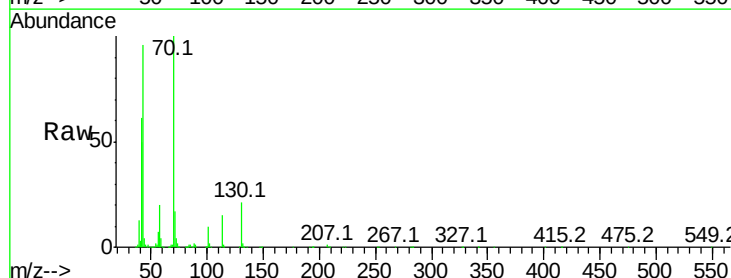
Ion Ratio Lower Upper

70 100

42 61.3 49.4 74.0

101 9.5 7.4 11.2

130 20.9 14.2 21.4

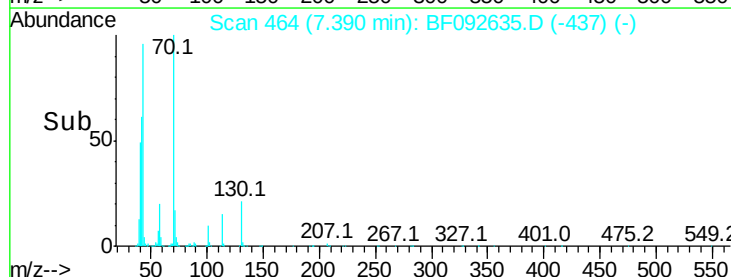
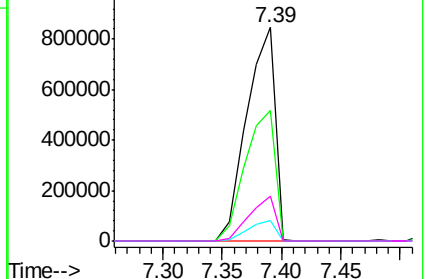


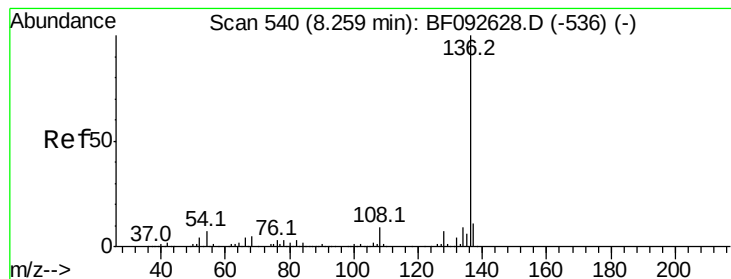
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

Tot Ion:136 Resp: 667088

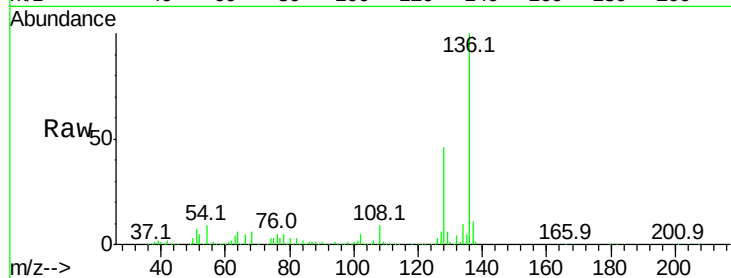
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.7 4.5 6.7#

68 5.8 3.6 5.4#

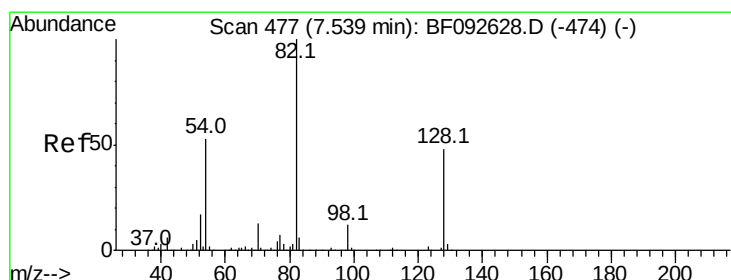
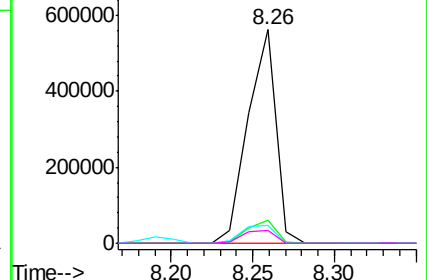
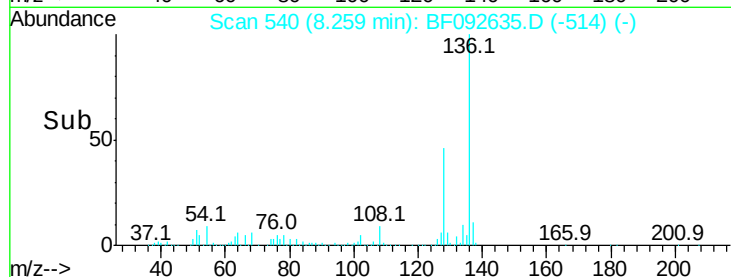


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.25 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

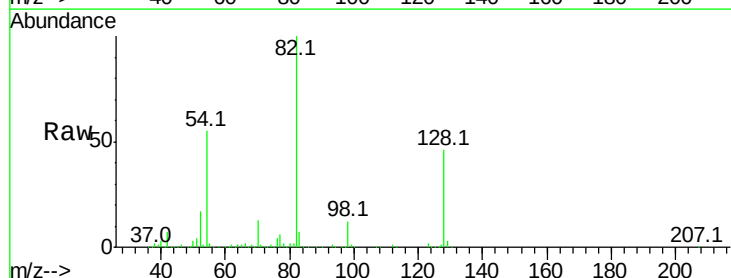
Tgt Ion: 82 Resp: 1212932

Ion Ratio Lower Upper

82 100

128 46.3 34.6 52.0

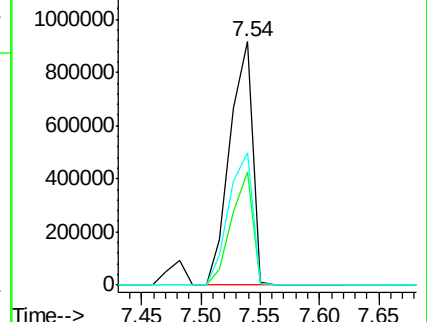
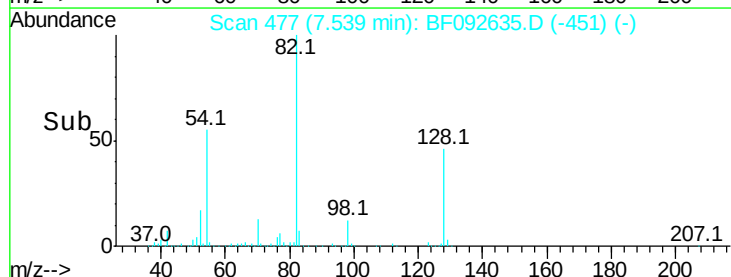
54 54.5 39.5 59.3

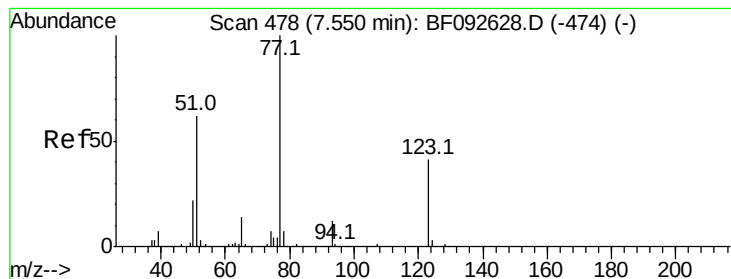


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 31.89 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

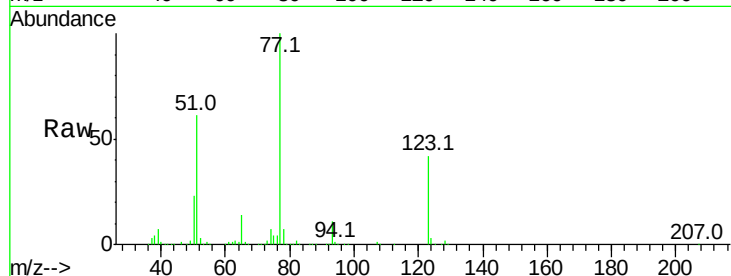
Tot Ion: 77 Resp: 392259

Ion Ratio Lower Upper

77 100

123 41.8 33.0 49.4

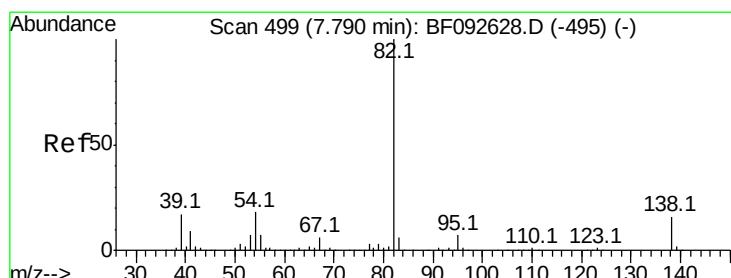
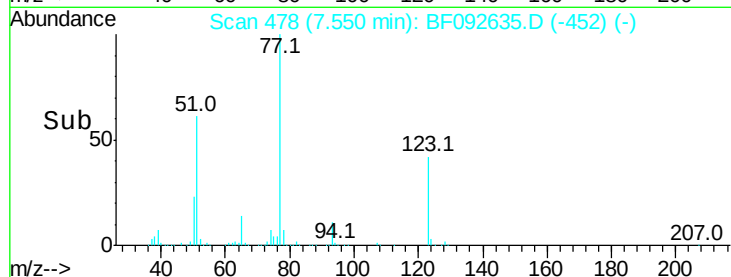
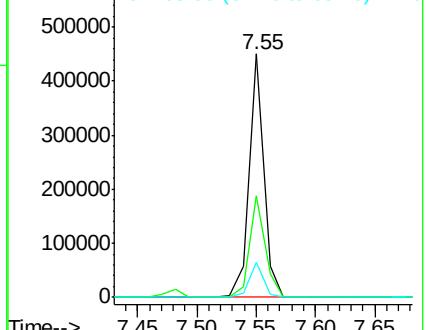
65 14.3 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 109.82 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

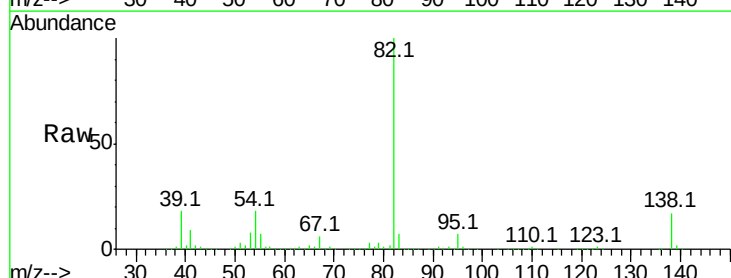
Tgt Ion: 82 Resp: 2451517

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

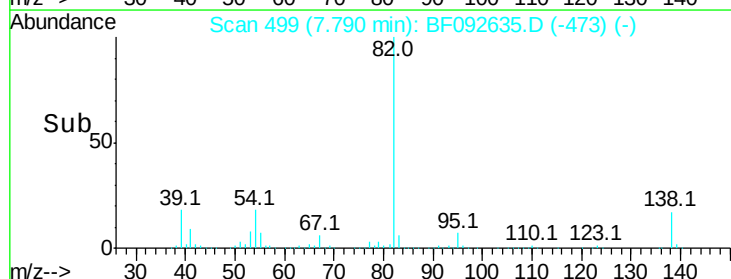
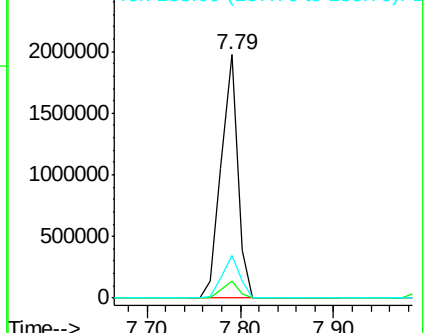
138 17.3 14.6 22.0

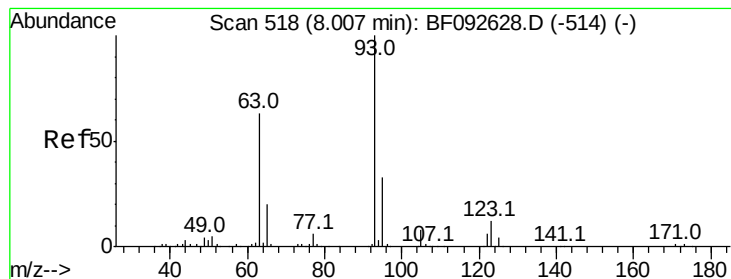


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#28

bis(2-Chloroethoxy)methane

Concen: 50.30 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

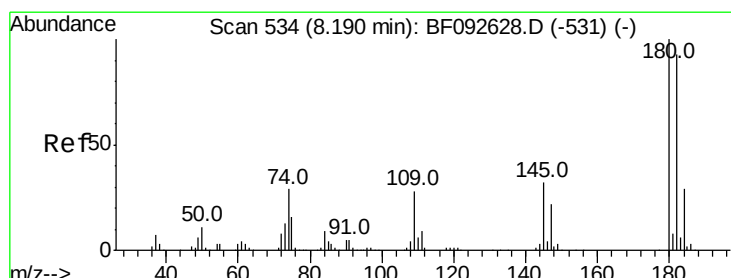
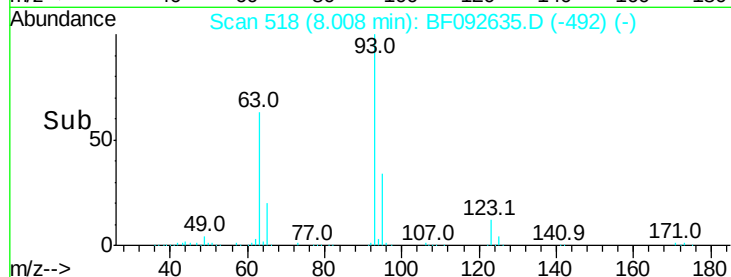
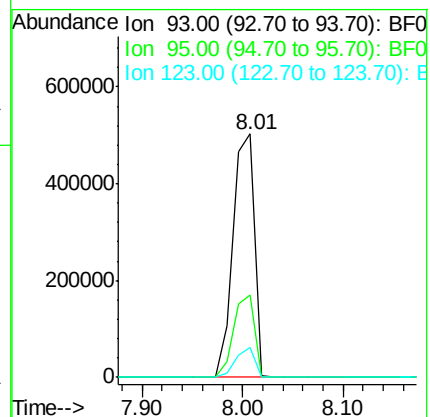
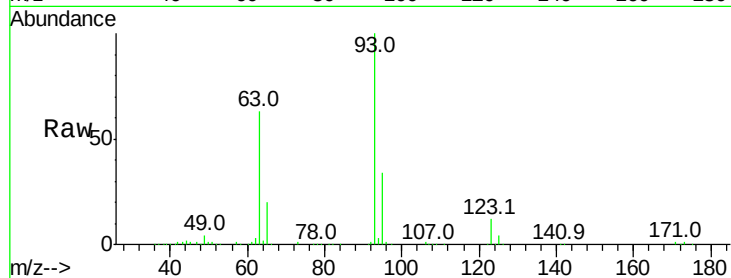
Tot Ion: 93 Resp: 743692

Ion Ratio Lower Upper

93 100

95 33.8 26.5 39.7

123 12.1 8.6 13.0



#30

1,2,4-Trichlorobenzene

Concen: 85.68 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

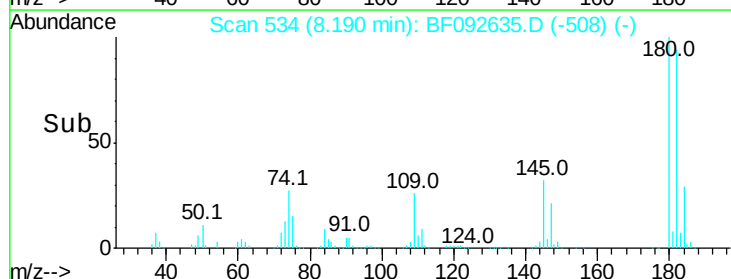
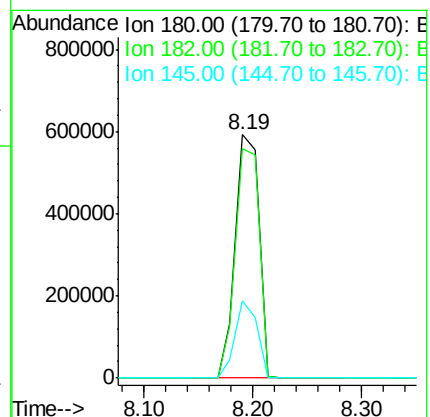
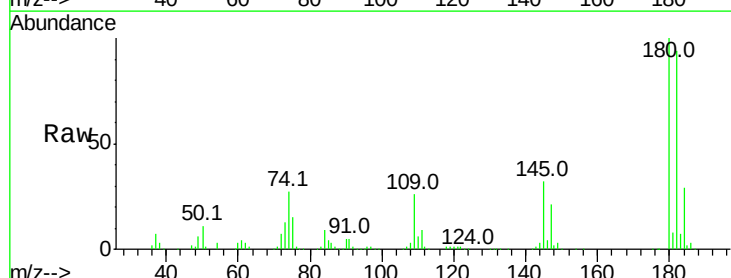
Tgt Ion:180 Resp: 884275

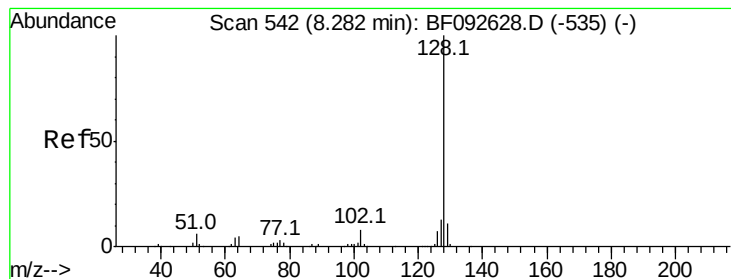
Ion Ratio Lower Upper

180 100

182 94.2 78.2 117.4

145 31.8 21.6 32.4





#31

Naphthalene

Concen: 99.24 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

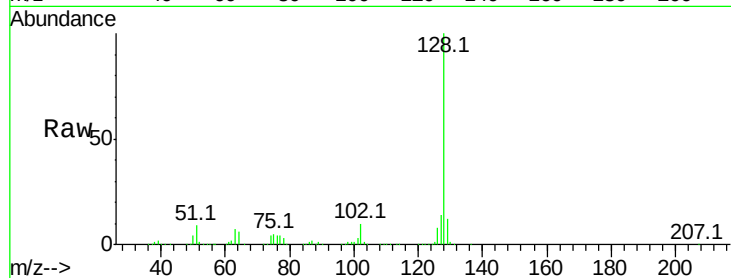
Tot Ion:128 Resp: 3355826

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

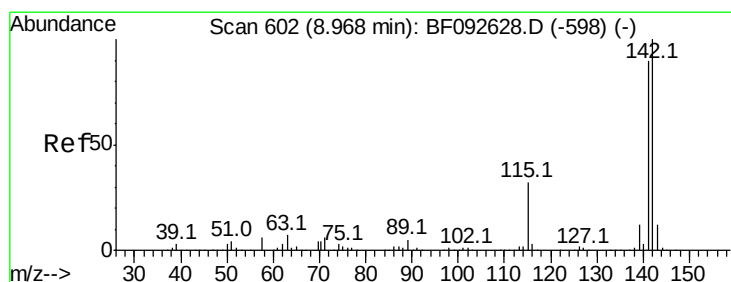
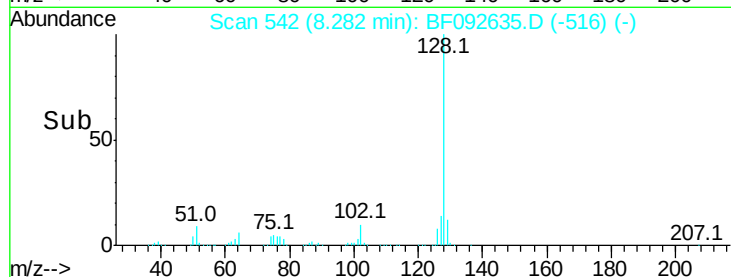
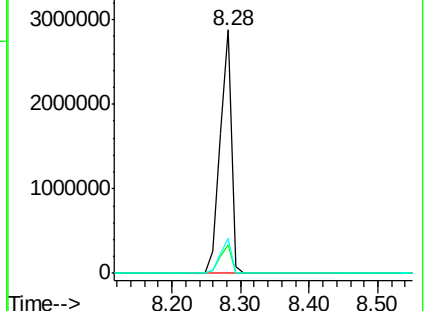
127 14.2 10.8 16.2



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



#37

2-Methylnaphthalene

Concen: 72.09 ng

RT: 8.97 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

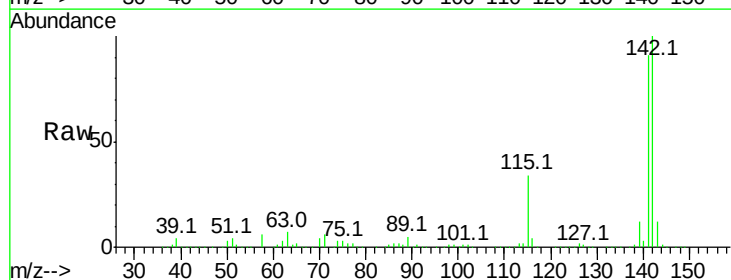
Tgt Ion:142 Resp: 1565267

Ion Ratio Lower Upper

142 100

141 91.0 71.0 106.6

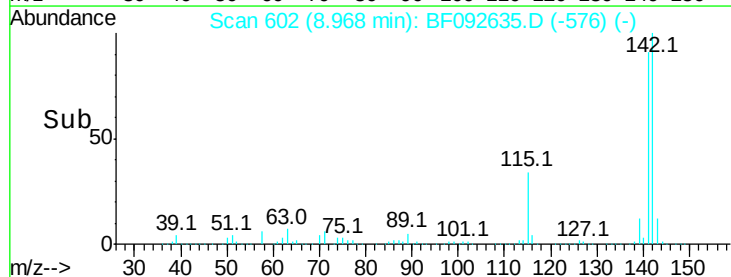
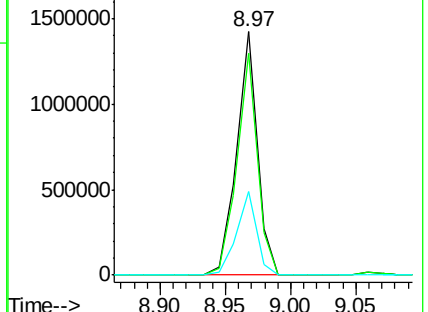
115 34.4 28.3 42.5

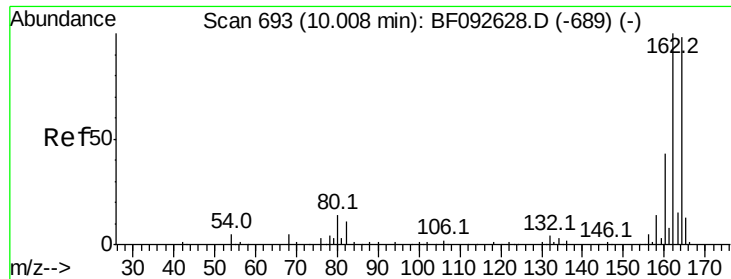


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

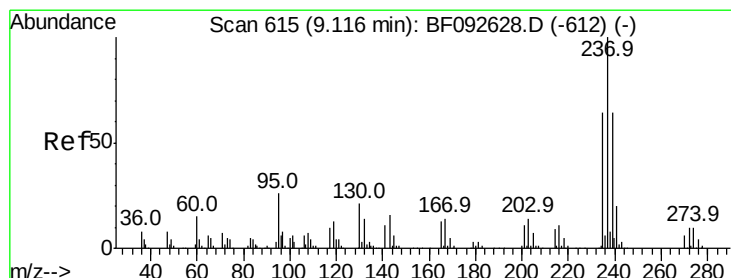
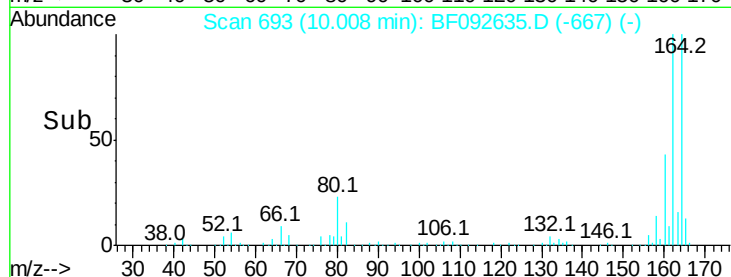
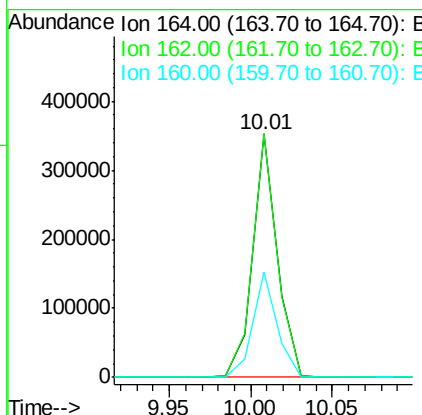
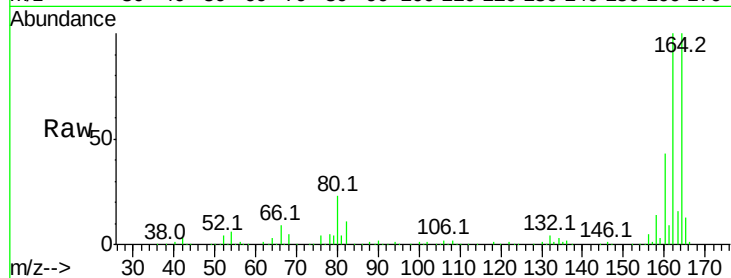




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

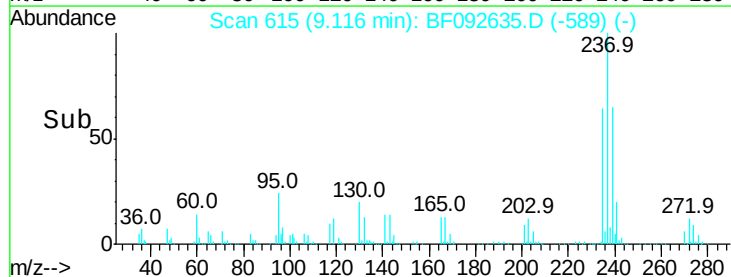
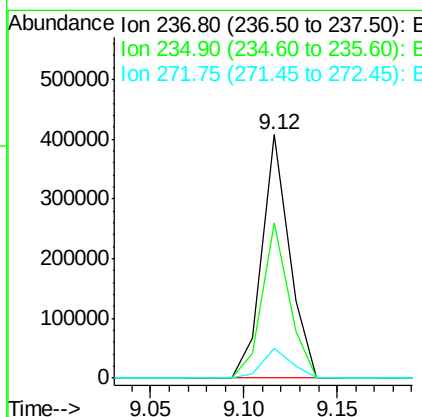
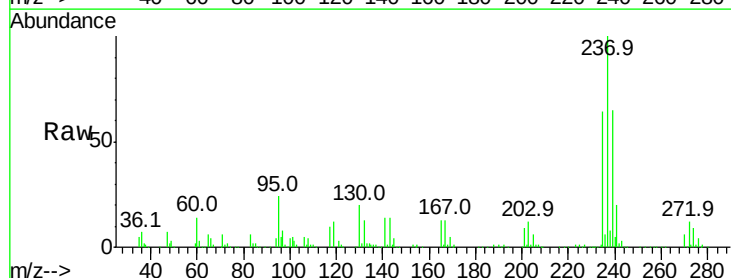
Instrument :
BNA_F
ClientSampleId :
0036

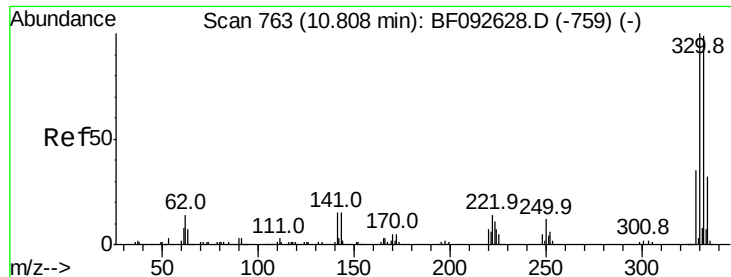
Tot Ion:164 Resp: 367470
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.2
160 43.4 36.9 55.3



#40
Hexachlorocyclopentadiene
Concen: 89.28 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:237 Resp: 415524
Ion Ratio Lower Upper
237 100
235 63.9 41.2 81.2
272 12.3 0.0 35.4

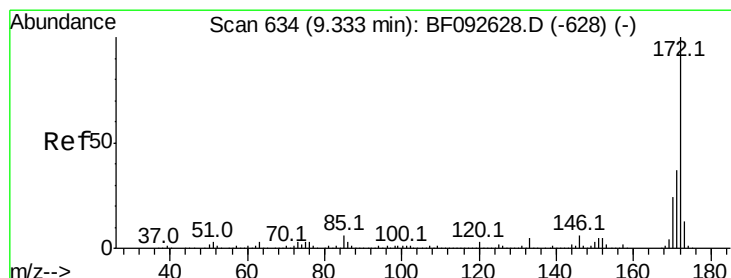
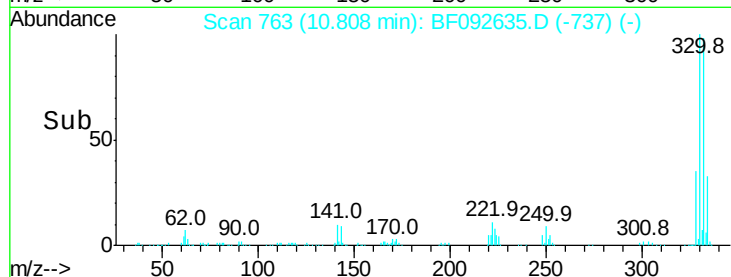
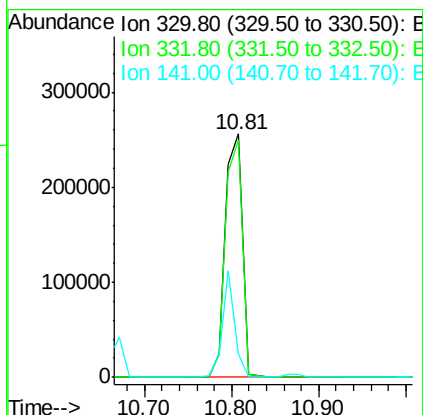
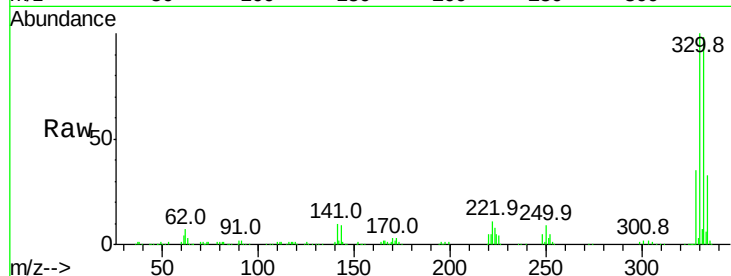




#41
 2,4,6-Tribromophenol
 Concen: 133.01 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

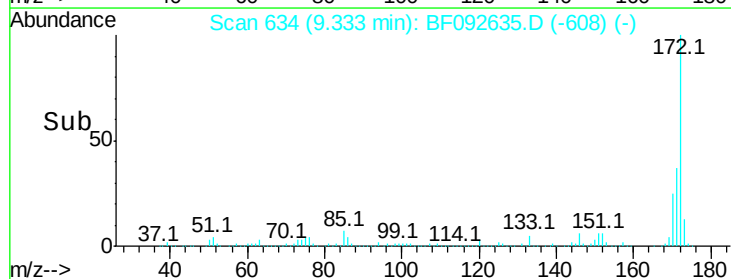
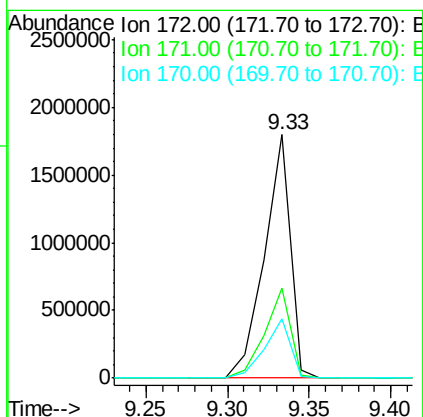
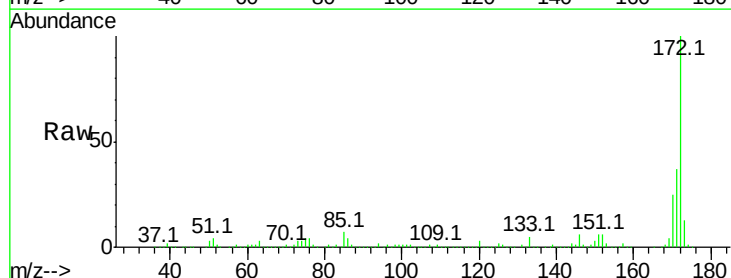
Instrument :
 BNA_F
 ClientSampleId :
 0036

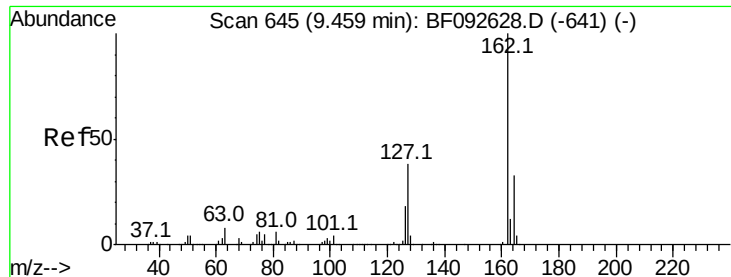
Tot Ion:330 Resp: 353505
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 31.8 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 98.32 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion:172 Resp: 1994249
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.6 20.2 30.4

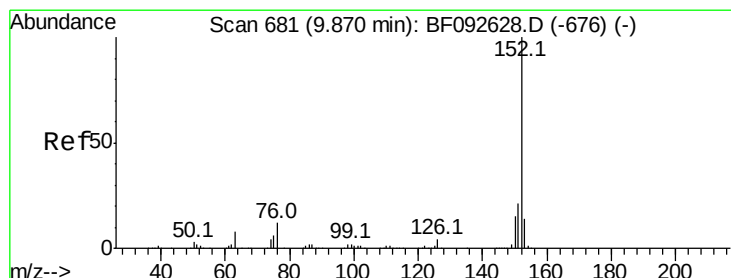
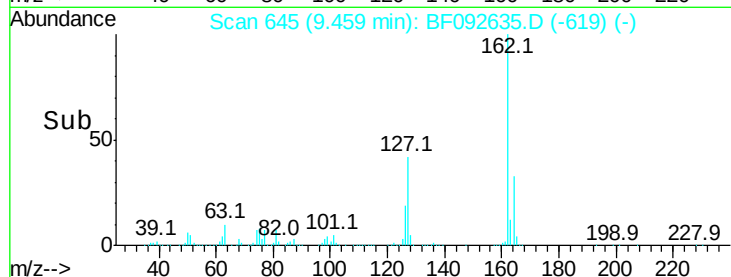
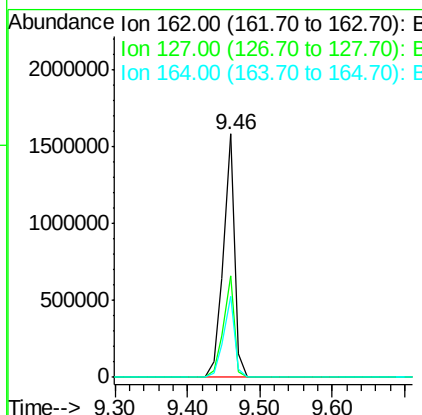
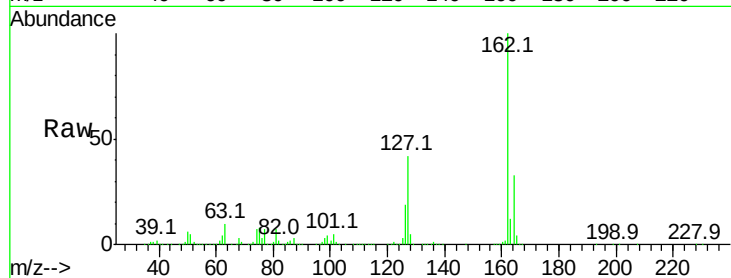




#46
2-Chloronaphthalene
Concen: 82.01 ng
RT: 9.46 min Scan# 645
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

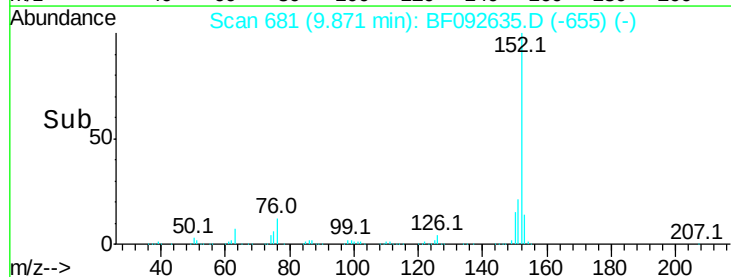
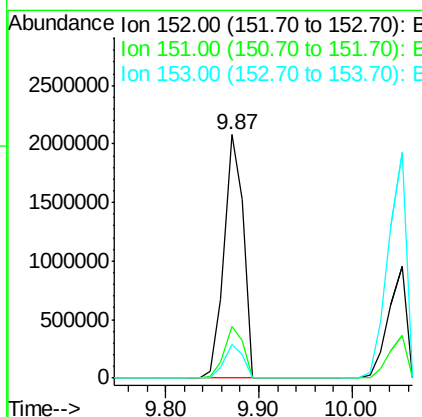
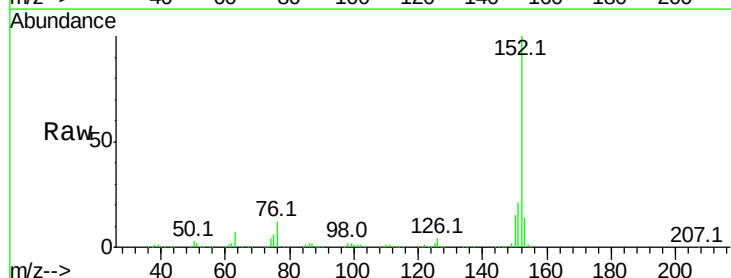
Instrument :
BNA_F
ClientSampleId :
0036

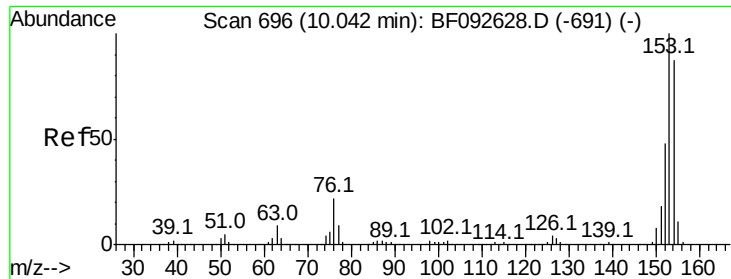
Tot Ion:162 Resp: 1707175
Ion Ratio Lower Upper
162 100
127 41.7 30.7 46.1
164 33.5 27.6 41.4



#48
Acenaphthylene
Concen: 82.78 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:152 Resp: 2976497
Ion Ratio Lower Upper
152 100
151 21.2 16.9 25.3
153 14.0 11.4 17.2

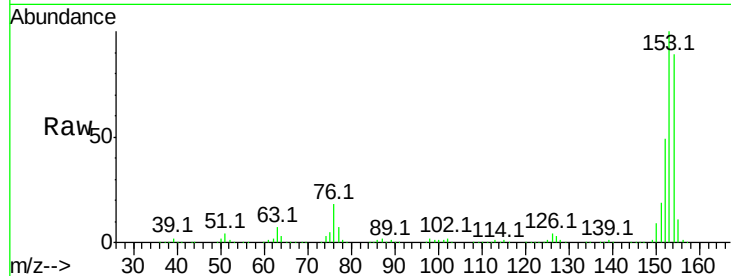




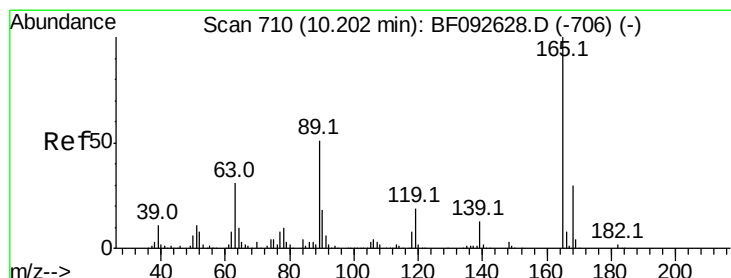
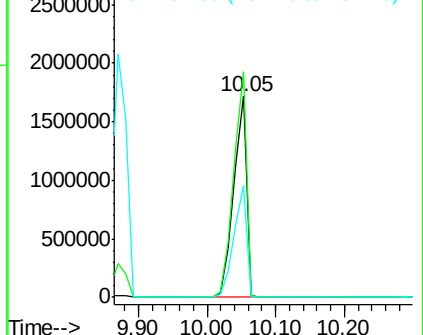
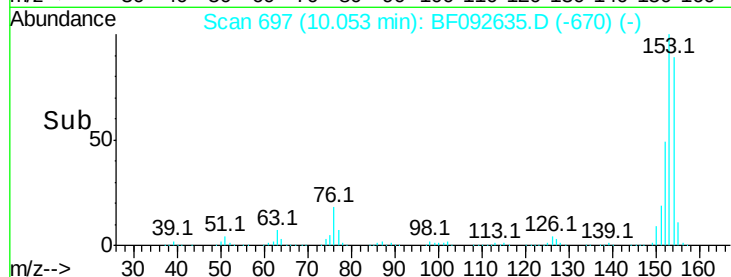
#51
Acenaphthene
Concen: 106.28 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampled :
0036

Tot Ion:154 Resp: 2284977
Ion Ratio Lower Upper
154 100
153 112.5 88.6 133.0
152 55.6 41.6 62.4

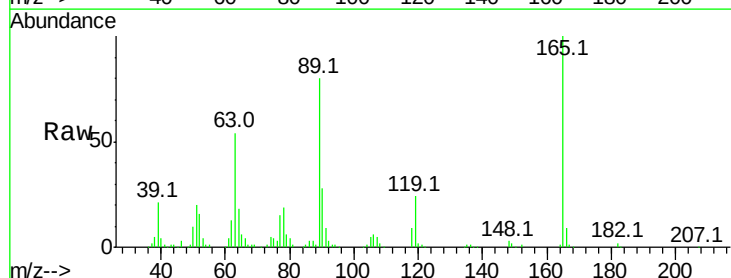


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

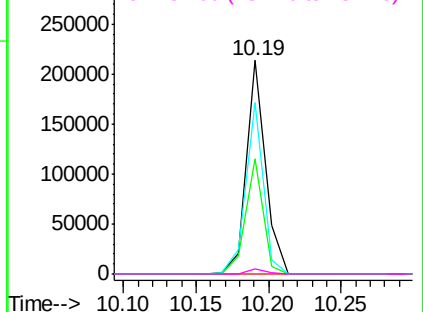
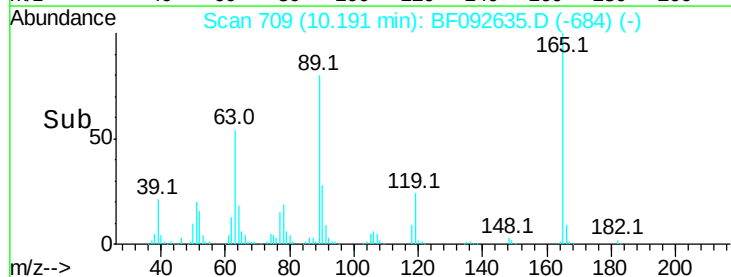


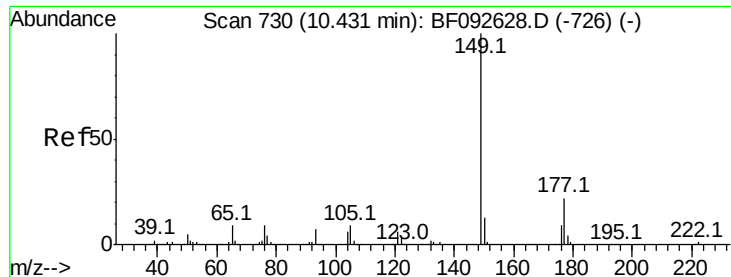
#56
2,4-Dinitrotoluene
Concen: 27.34 ng
RT: 10.19 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:165 Resp: 194554
Ion Ratio Lower Upper
165 100
63 53.7 40.2 60.4
89 80.3 62.5 93.7
182 2.3 1.8 2.8



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

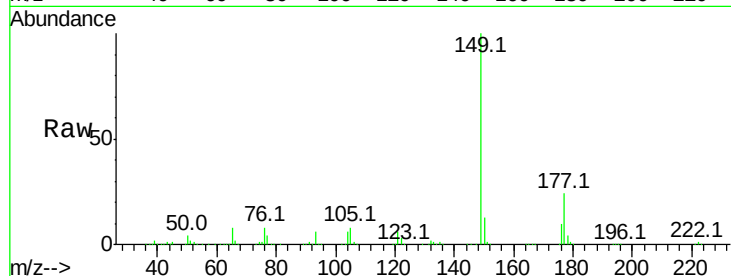




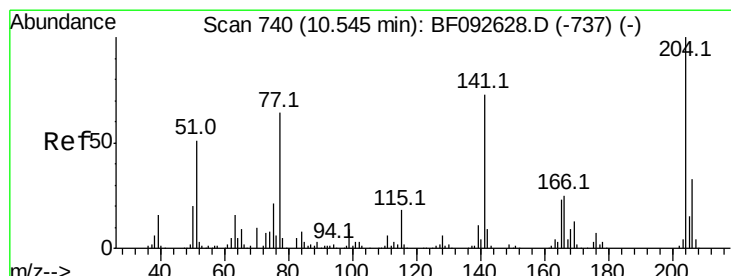
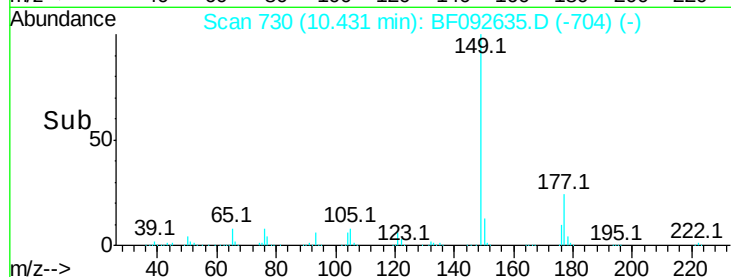
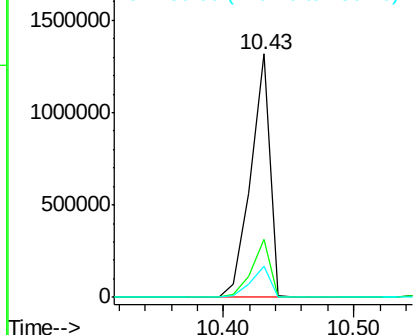
#59
Diethylphthalate
Concen: 57.93 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

Tot Ion:149 Resp: 1351320
Ion Ratio Lower Upper
149 100
177 23.7 16.6 25.0
150 12.6 10.4 15.6

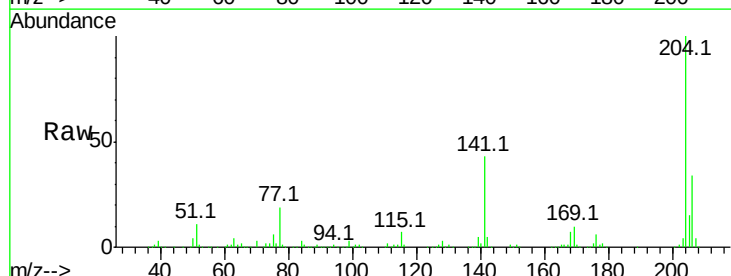


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

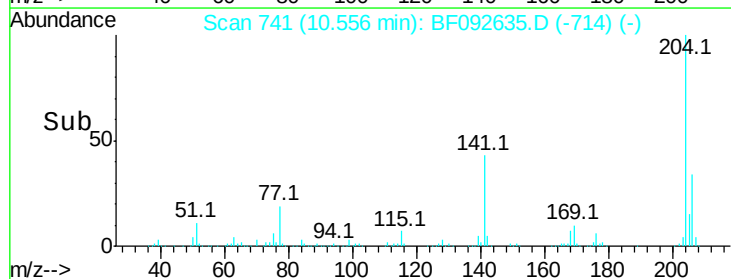
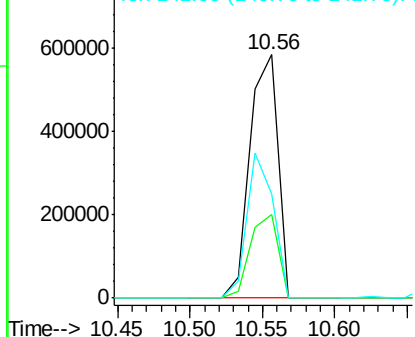


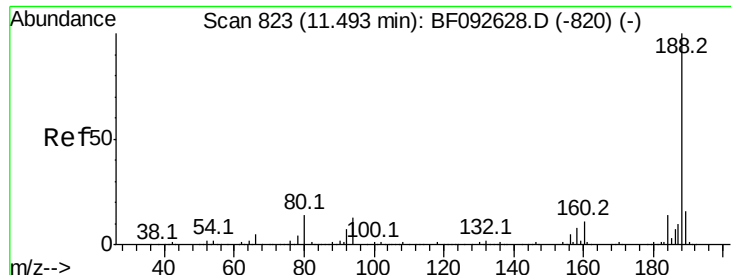
#60
4-Chlorophenyl-phenylether
Concen: 73.63 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:204 Resp: 782599
Ion Ratio Lower Upper
204 100
206 34.3 25.8 38.6
141 42.7 59.4 89.0#



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

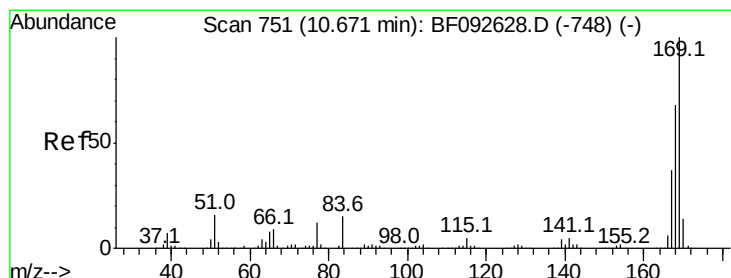
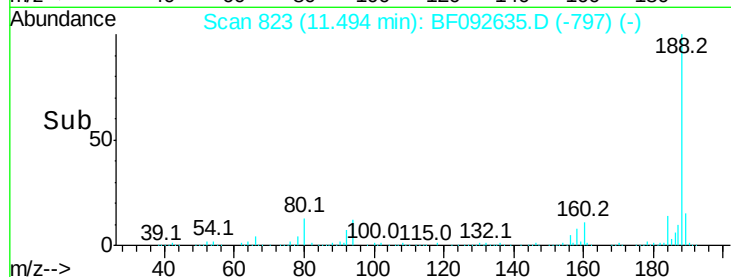
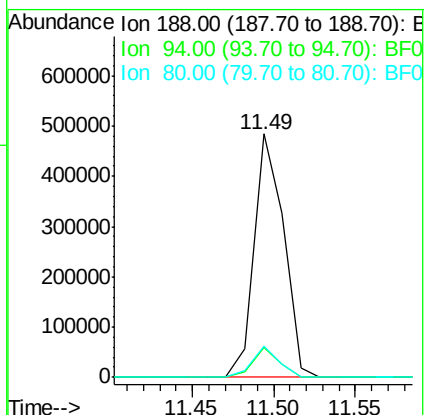
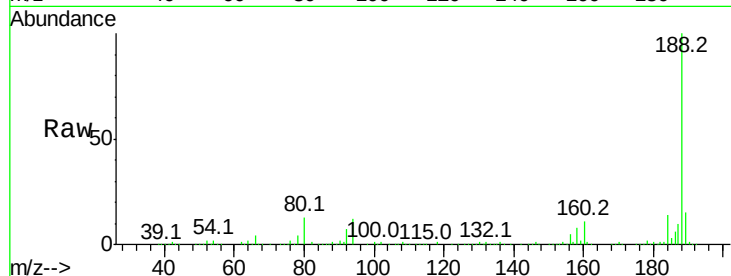




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

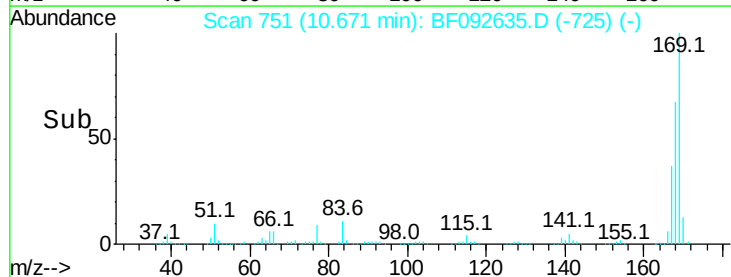
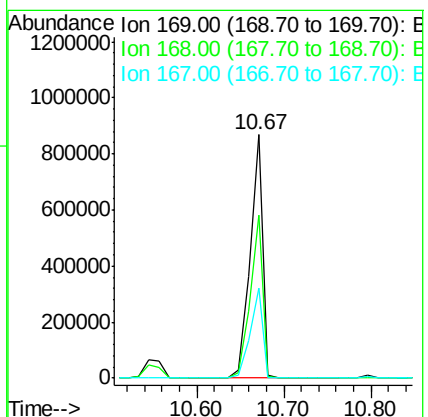
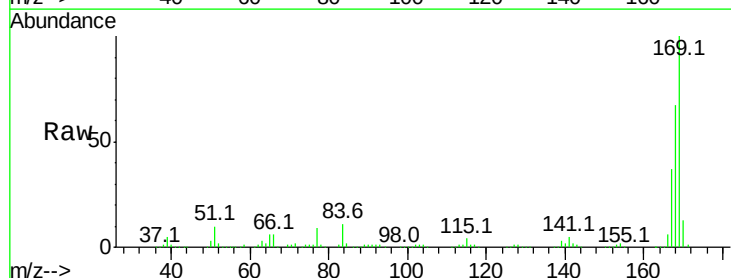
Instrument :
BNA_F
ClientSampleId :
0036

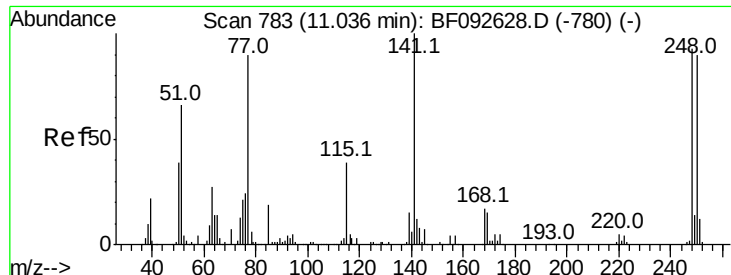
Tot Ion:188 Resp: 608949
Ion Ratio Lower Upper
188 100
94 12.0 10.0 15.0
80 13.0 11.2 16.8



#65
n-Nitrosodiphenylamine
Concen: 44.84 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:169 Resp: 872208
Ion Ratio Lower Upper
169 100
168 67.2 54.2 81.2
167 37.2 30.2 45.4

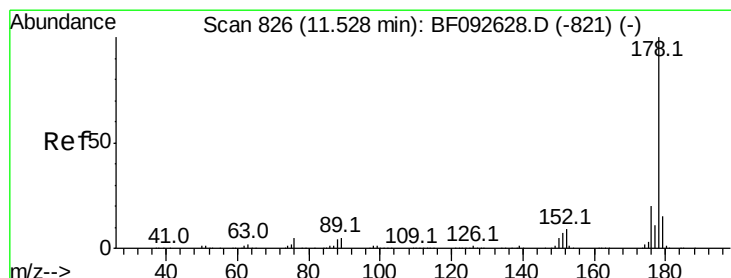
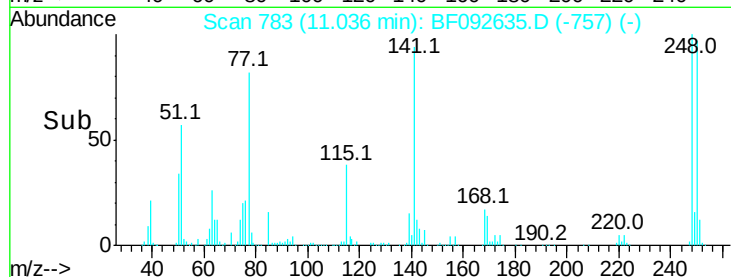
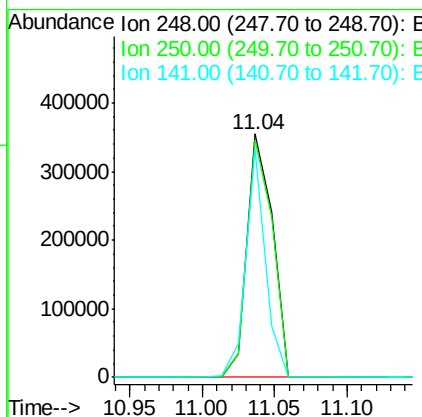
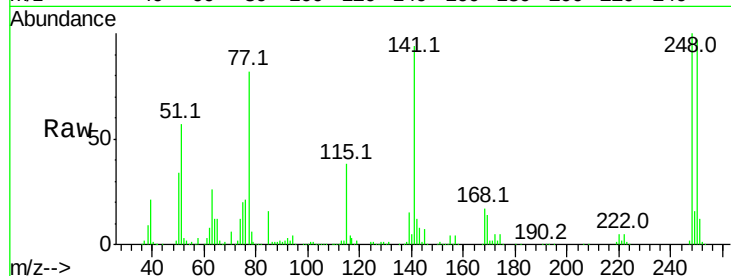




#66
 4-Bromophenyl-phenylether
 Concen: 68.34 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

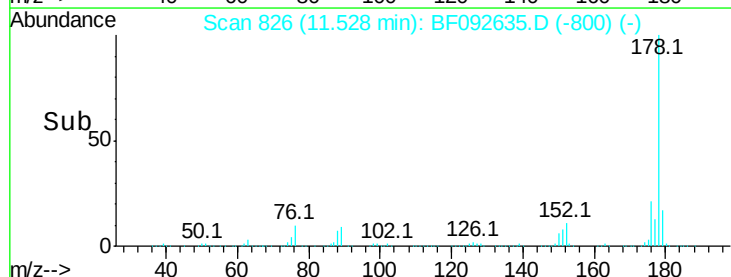
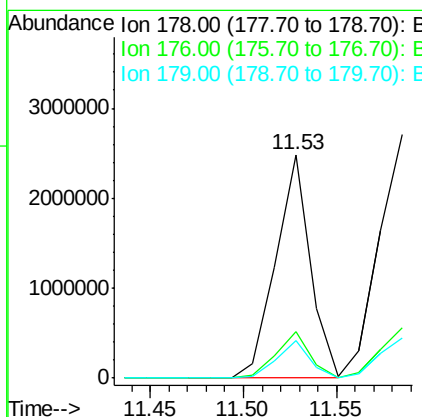
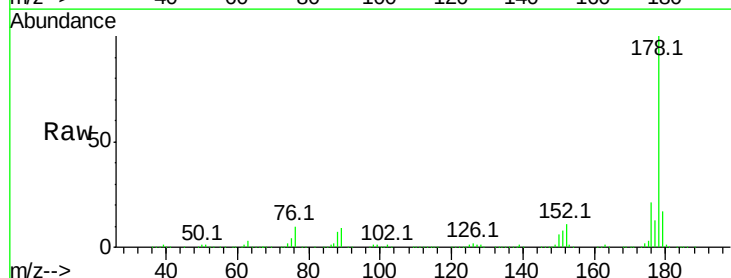
Instrument :
 BNA_F
 ClientSampleId :
 0036

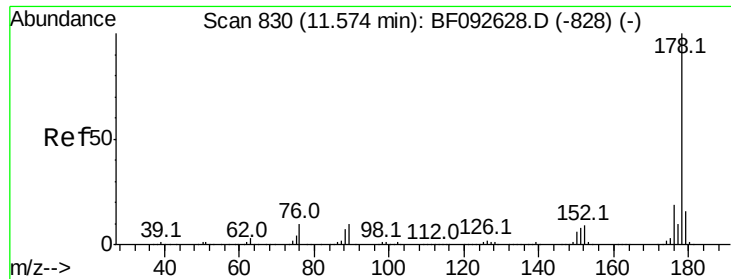
Tot Ion:248 Resp: 434765
 Ion Ratio Lower Upper
 248 100
 250 97.3 76.9 115.3
 141 94.0 68.2 102.4



#70
 Phenanthrene
 Concen: 91.94 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion:178 Resp: 3207423
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.6 25.0
 179 16.6 12.8 19.2

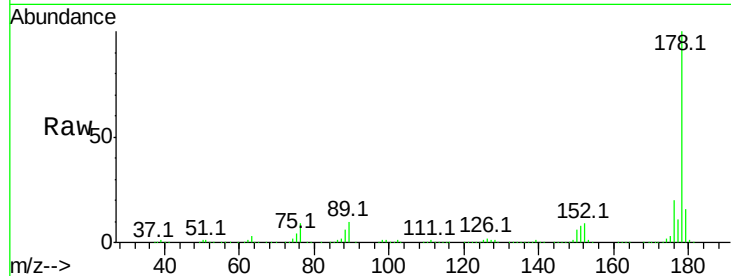




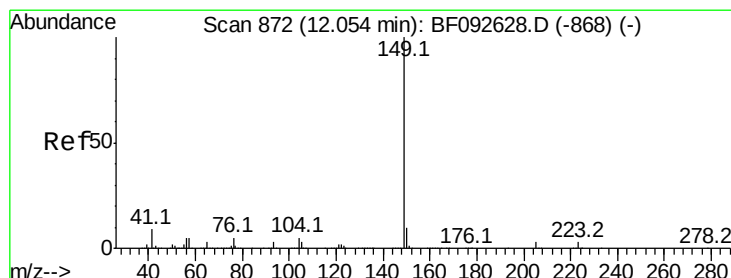
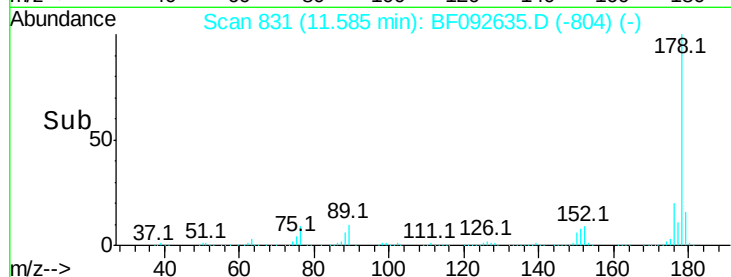
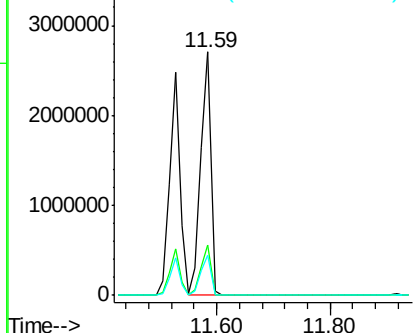
#71
 Anthracene
 Concen: 92.38 ng
 RT: 11.59 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:178 Resp: 3236508
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.9 23.9
 179 16.3 13.2 19.8

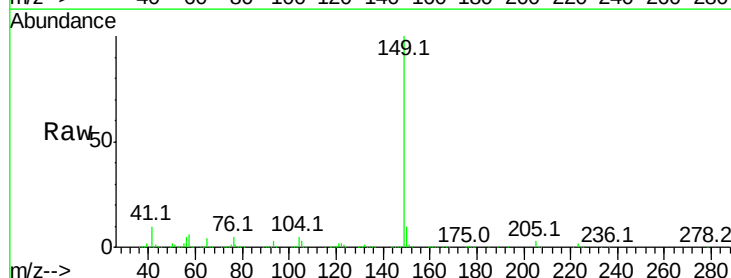


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

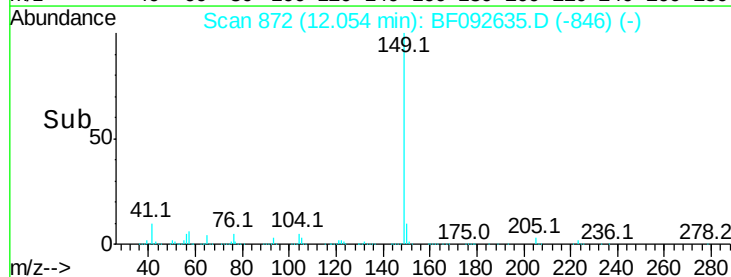
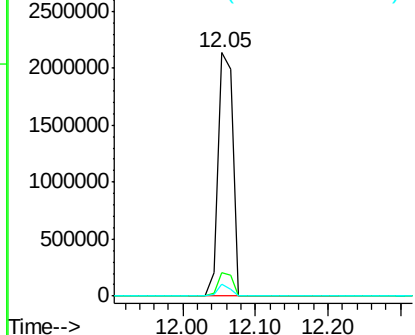


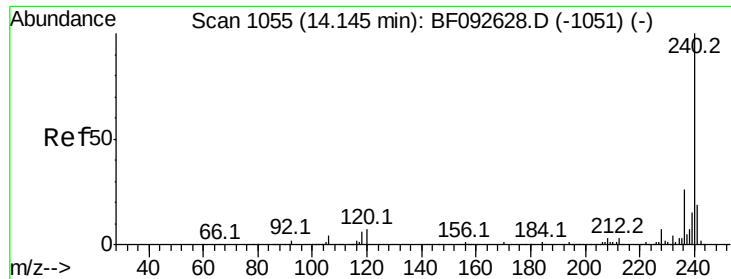
#73
 Di-n-butylphthalate
 Concen: 82.42 ng
 RT: 12.05 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion:149 Resp: 2985051
 Ion Ratio Lower Upper
 149 100
 150 9.8 8.1 12.1
 104 4.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

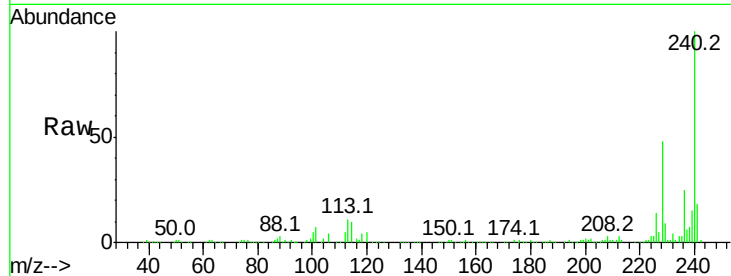
Tot Ion:240 Resp: 289802

Ion Ratio Lower Upper

240 100

120 5.1 12.9 19.3#

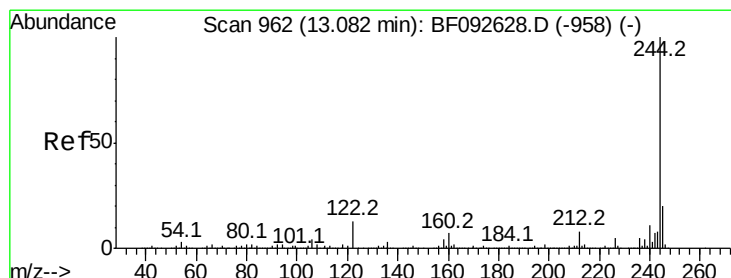
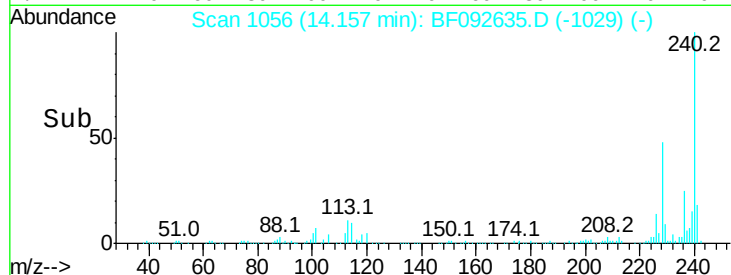
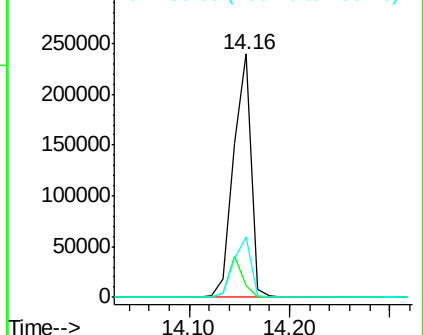
236 25.1 20.9 31.3



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



#78

Terphenyl-d14

Concen: 131.11 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

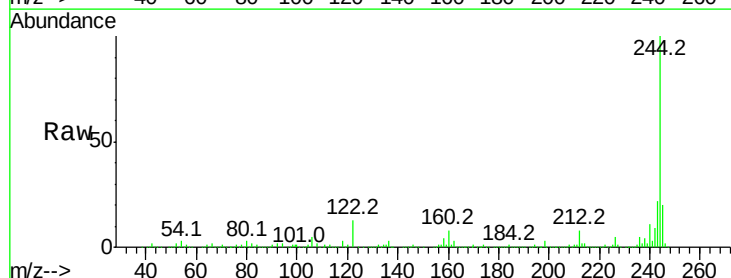
Tgt Ion:244 Resp: 1617064

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

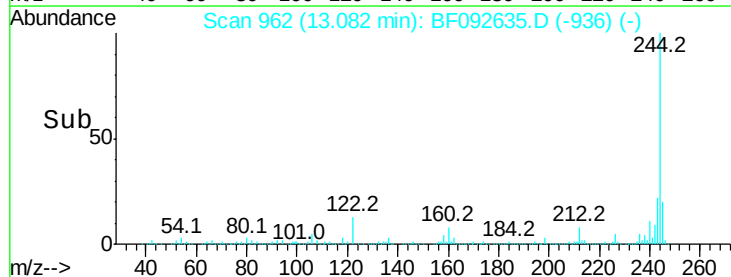
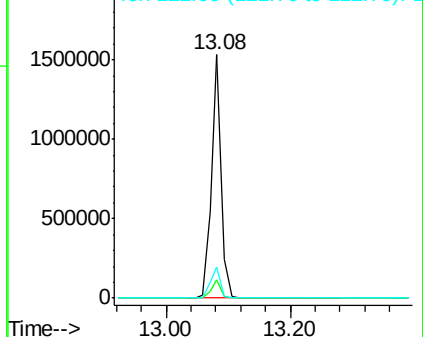
122 12.9 11.4 17.2

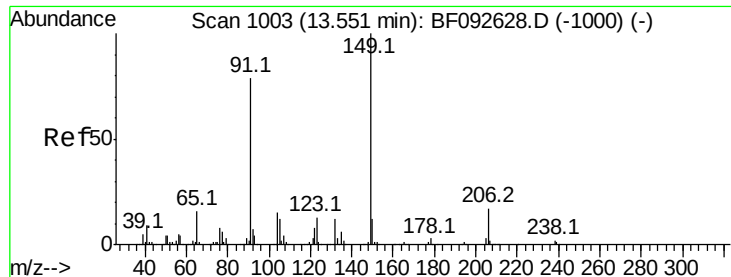


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 206.59 ng

RT: 13.56 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

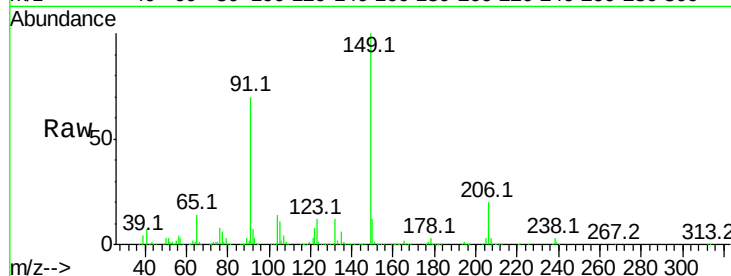
Tot Ion:149 Resp: 1819510

Ion Ratio Lower Upper

149 100

91 70.5 63.9 95.9

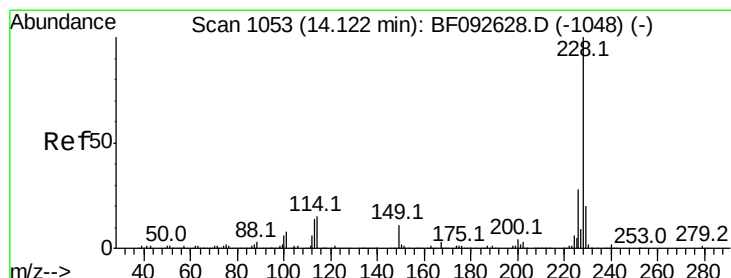
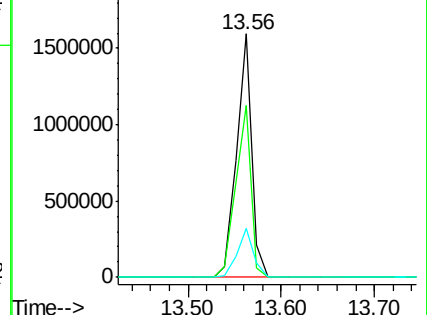
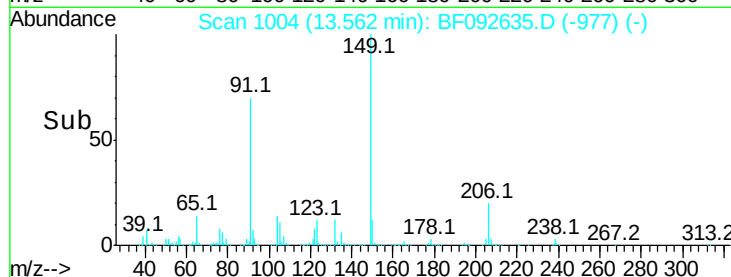
206 20.2 14.6 21.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 213.89 ng

RT: 14.15 min Scan# 1055

Delta R.T. 0.02 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

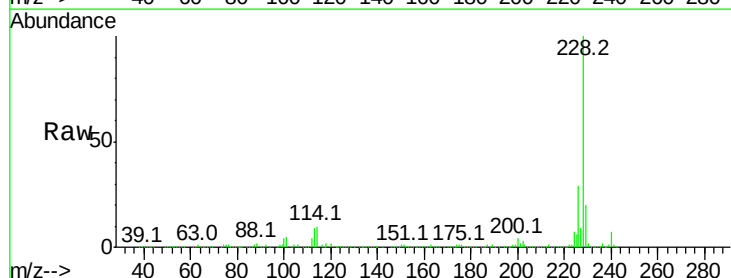
Tgt Ion:228 Resp: 3791177

Ion Ratio Lower Upper

228 100

226 29.0 22.4 33.6

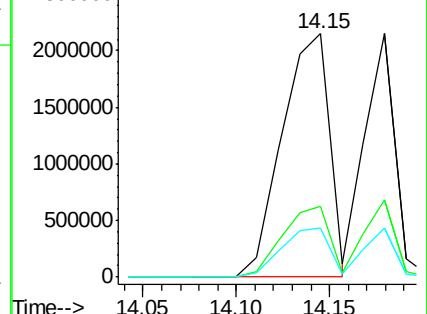
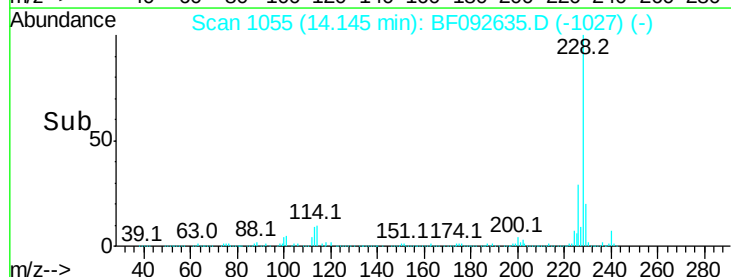
229 20.3 16.2 24.4

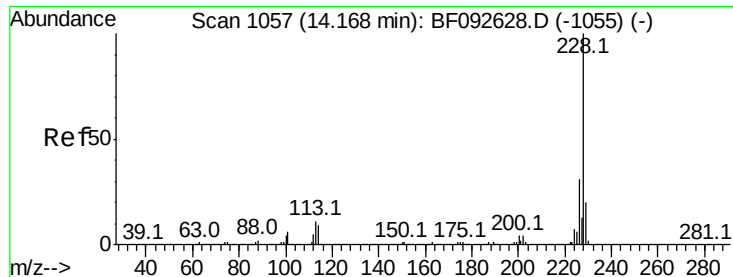


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrvsene

Concen: 146.92 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

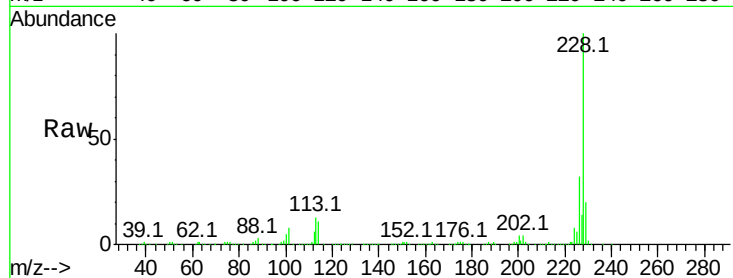
Tot Ion:228 Resp: 2438241

Ion Ratio Lower Upper

228 100

226 31.9 25.4 38.0

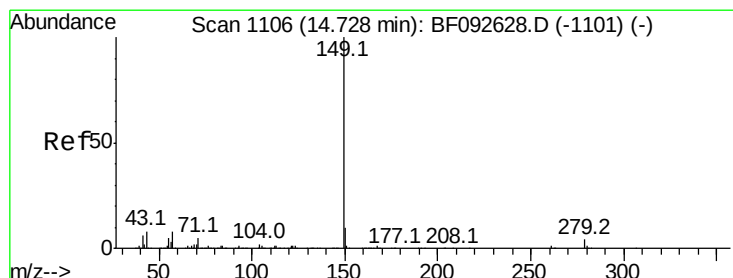
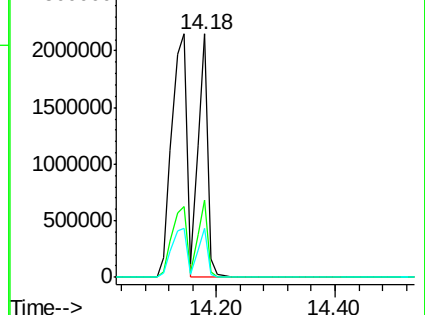
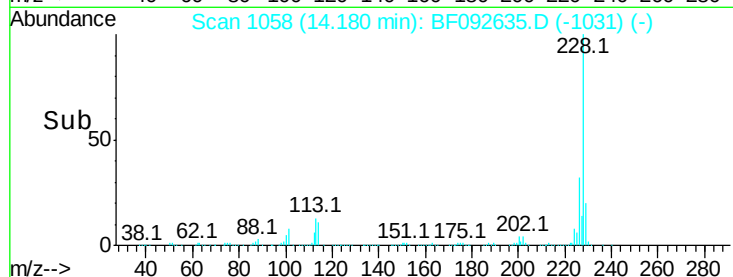
229 20.3 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 149.68 ng

RT: 14.73 min Scan# 1106

Delta R.T. 0.00 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

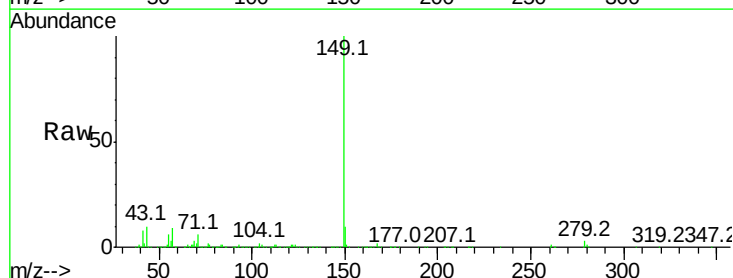
Tgt Ion:149 Resp: 2935747

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

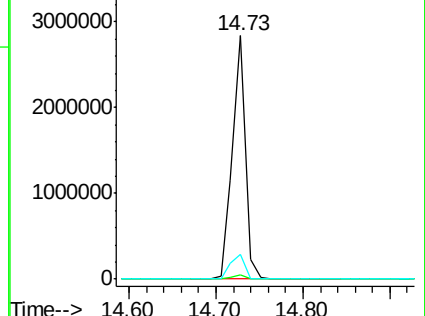
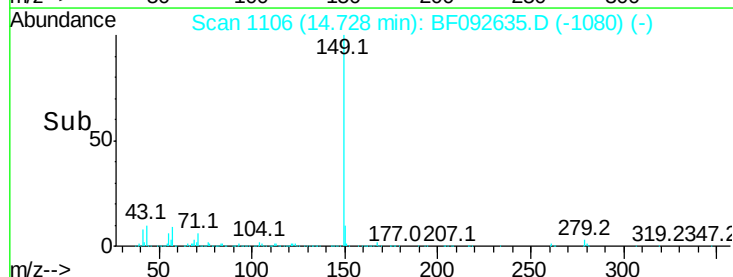
43 11.5 8.9 13.3

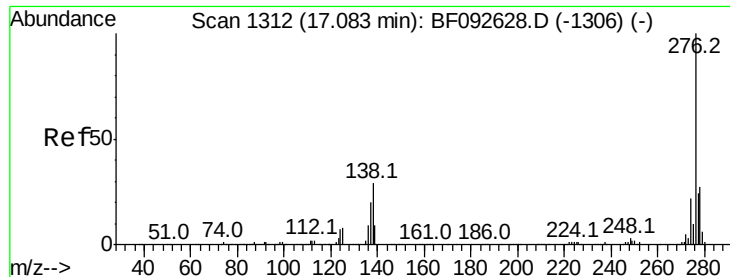


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



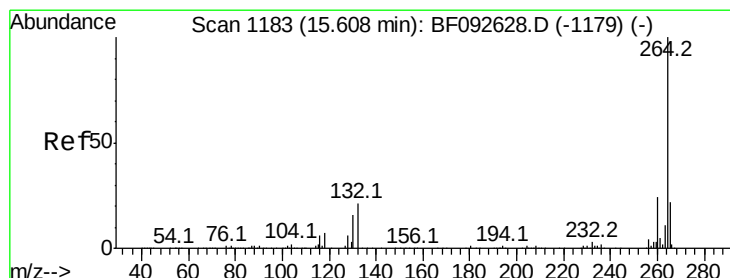
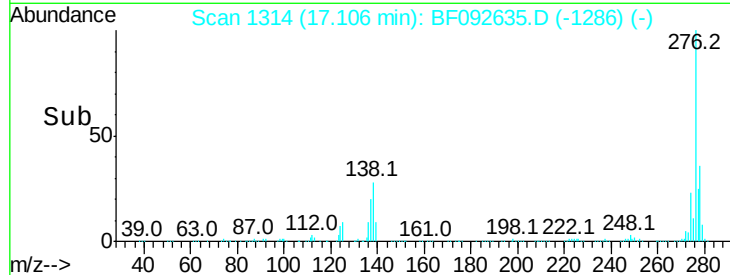
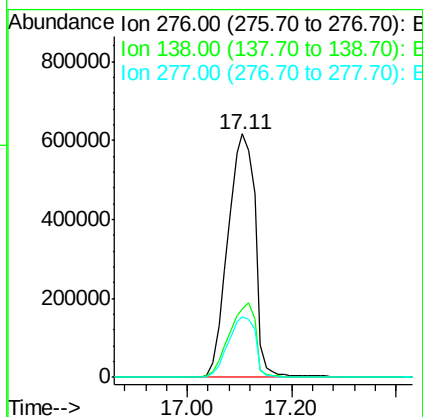
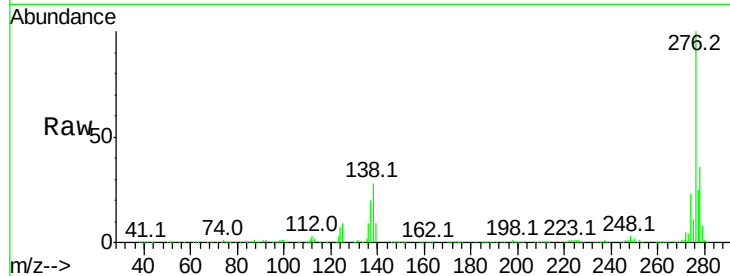


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 174.12 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. 0.02 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:276 Resp: 2238201

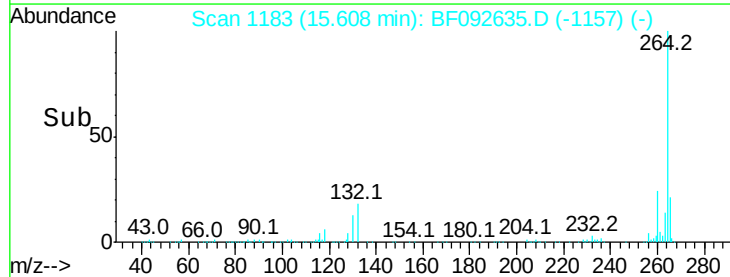
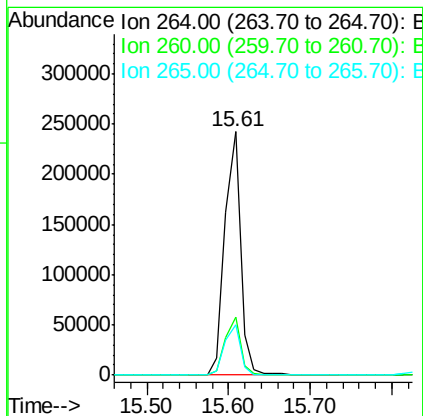
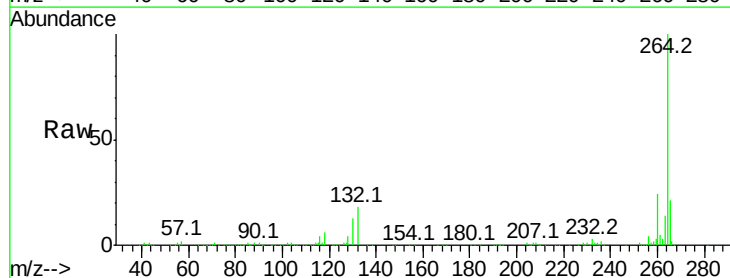
Ion	Ratio	Lower	Upper
276	100		
138	29.7	21.8	32.6
277	25.0	20.2	30.4

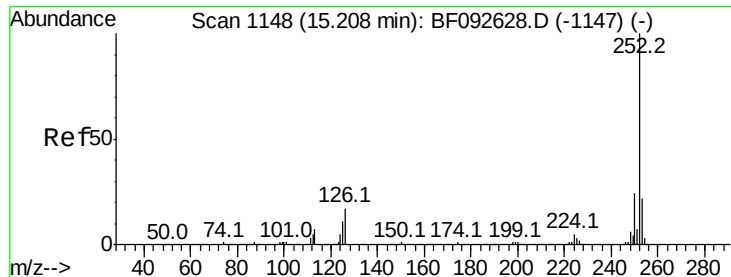


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion:264 Resp: 325157

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.7	17.4	26.0

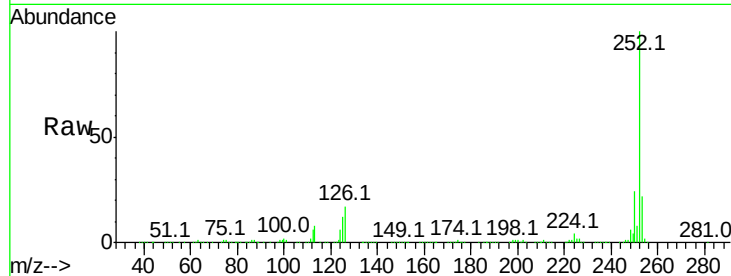




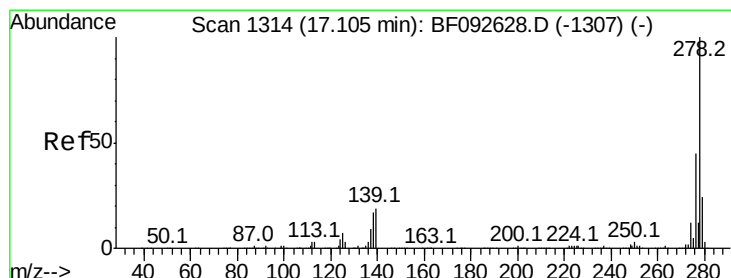
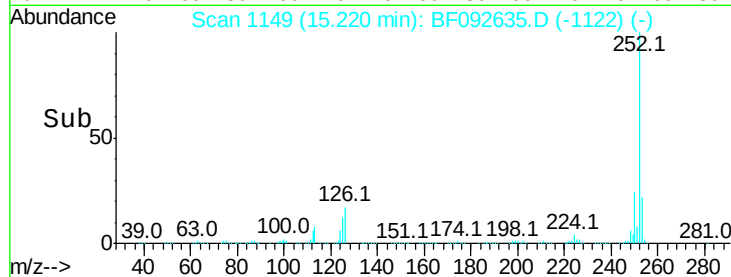
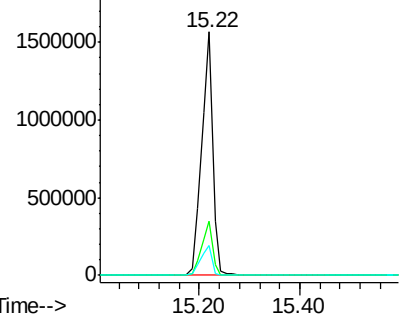
#88
Benzo(k)fluoranthene
Concen: 131.04 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

Tot Ion:252 Resp: 2421442
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 12.1 8.9 13.3

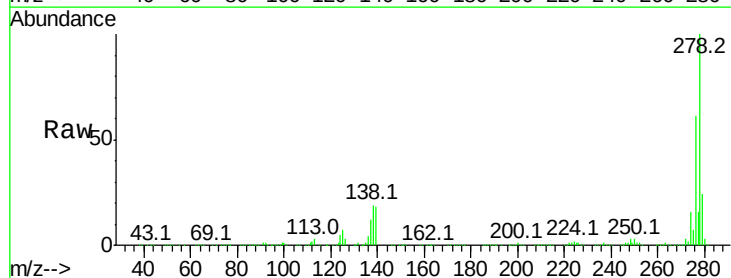


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

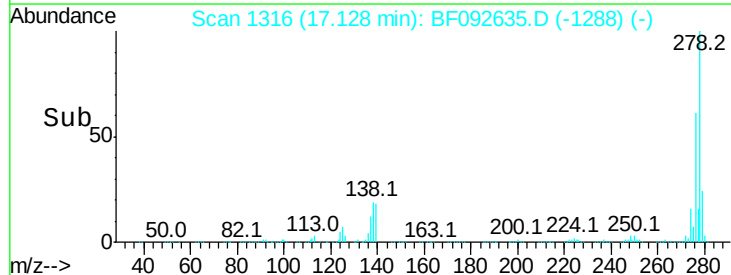
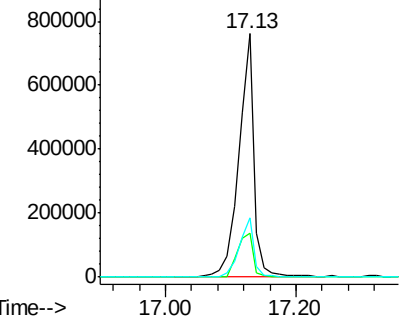


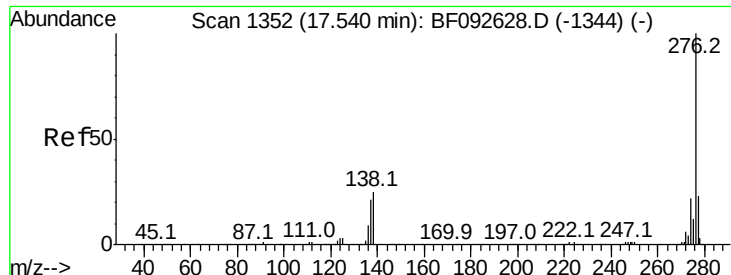
#90
Dibenzo(a,h)anthracene
Concen: 83.05 ng
RT: 17.13 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:278 Resp: 1242670
Ion Ratio Lower Upper
278 100
139 18.2 14.8 22.2
279 24.3 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 187.19 ng

RT: 17.59 min Scan# 1356

Delta R.T. 0.05 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

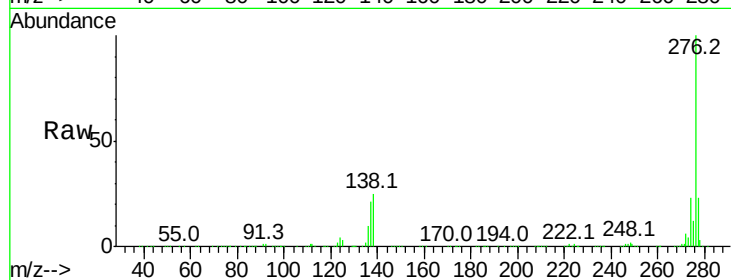
Tot Ion:276 Resp: 2829371

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 24.5 16.0 24.0



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

