

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 16:20:35 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
6) Aniline	6.70	93	1138533	68.80	ng	# 22
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
15) Benzyl Alcohol	7.12	79	19391	2.16	ng	# 45
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
26) 2-Nitrophenol	7.79	139	44878	7.68	ng	# 57
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
32) Benzoic acid	8.01	122	593	7.25	ng	# 33
33) 4-Chloroaniline	8.28	127	470777	35.50	ng	# 34
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
50) 2,6-Dinitrotoluene	10.01	165	47527	8.89	ng	# 31
51) Acenaphthene	10.05	154	2284977	106.28	ng	97
55) 4-Nitrophenol	10.05	139	16988	3.86	ng	# 40
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
62) Azobenzene	10.67	77	95416	3.96	ng	# 5
64) 4,6-Dinitro-2-methylphenol	10.80	198	566	2.81	ng	# 1
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

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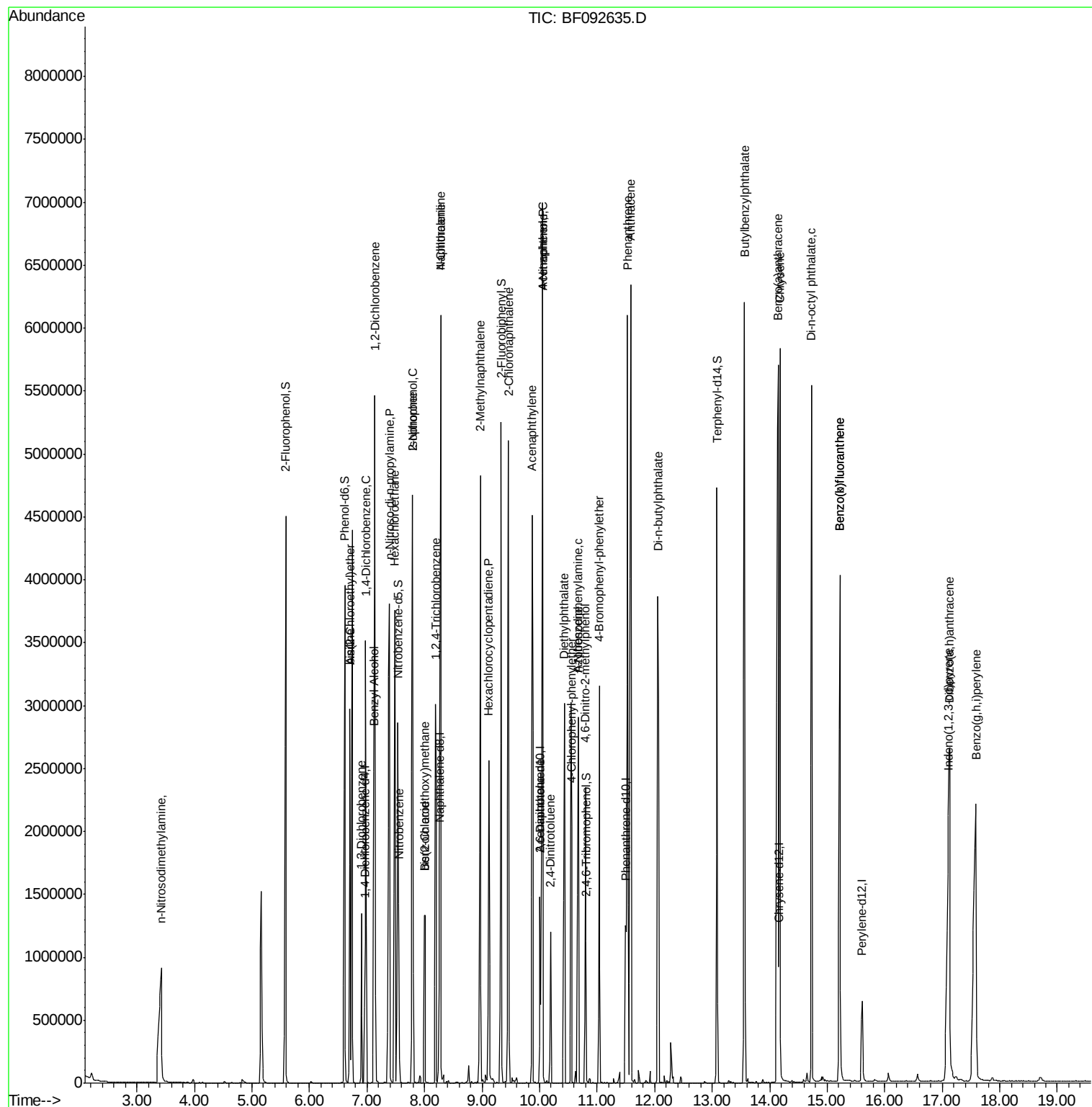
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	13.56	149	1819510	206.59	ng	90
80) Benzo(a)anthracene	14.15	228	3791177	213.89	ng	99
82) Chrysene	14.18	228	2438241	146.92	ng	100
84) Di-n-octyl phthalate	14.73	149	2935747	149.68	ng	99
85) Indeno(1,2,3-cd)pyrene	17.11	276	2238201	174.12	ng	97
87) Benzo(b)fluoranthene	15.22	252	2420838	113.11	ng	99
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(g,h,i)perylene	17.59	276	2829371	187.19	ng	# 95

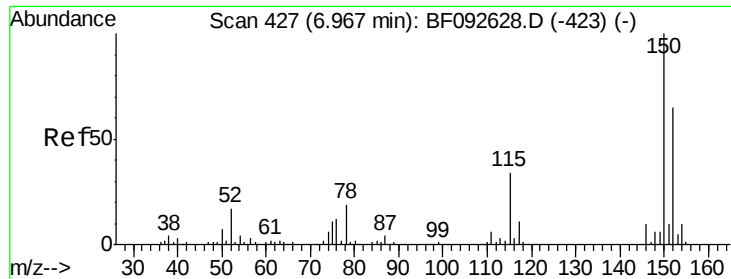
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

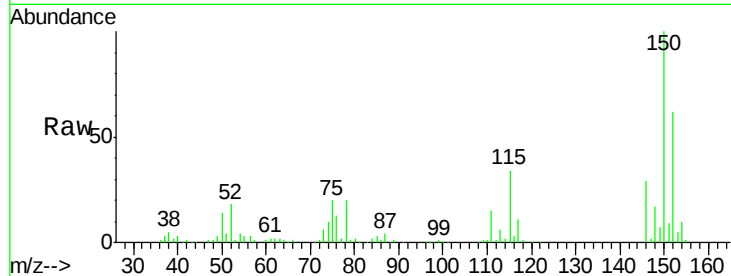
Tgt Ion:152 Resp: 161760

Ion Ratio Lower Upper

152 100

150 162.5 124.9 187.3

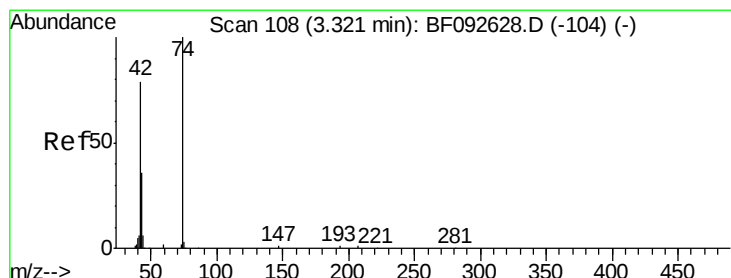
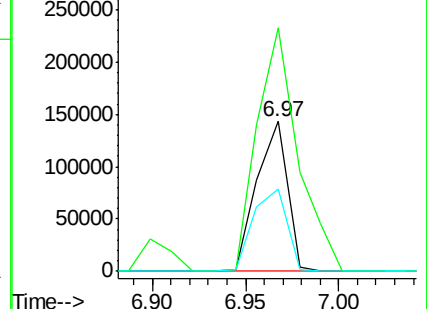
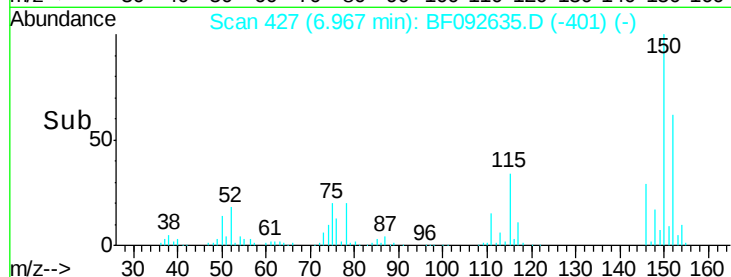
115 54.6 46.0 69.0



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

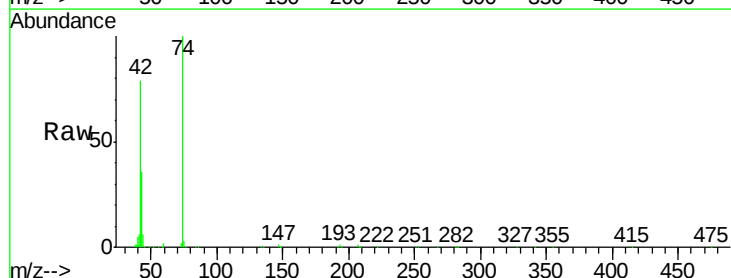
Tgt Ion: 42 Resp: 966893

Ion Ratio Lower Upper

42 100

74 126.5 117.0 175.4

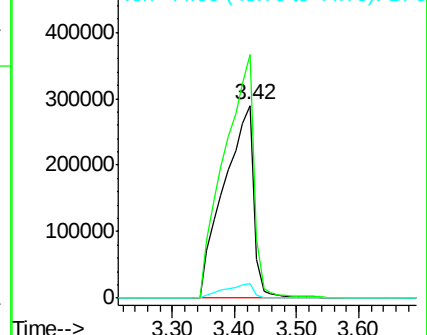
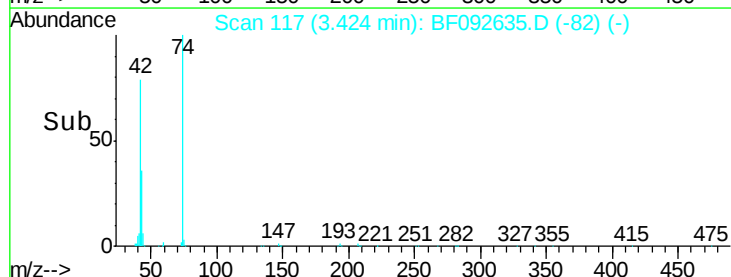
44 7.6 5.5 8.3

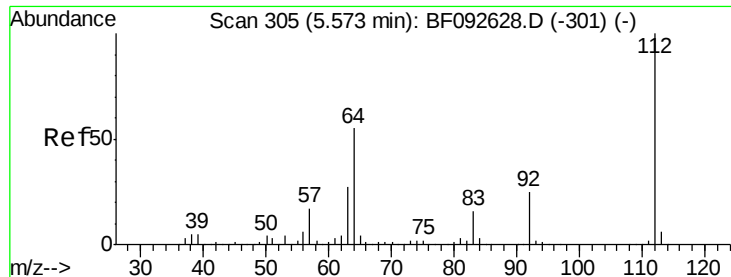


Abundance Ion 42.00 (41.70 to 42.70): BF0

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

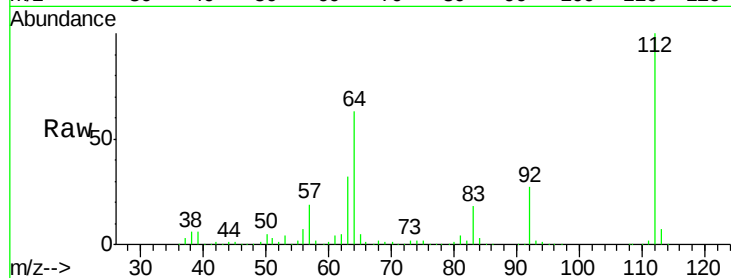
Tgt Ion: 112 Resp: 1439022

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

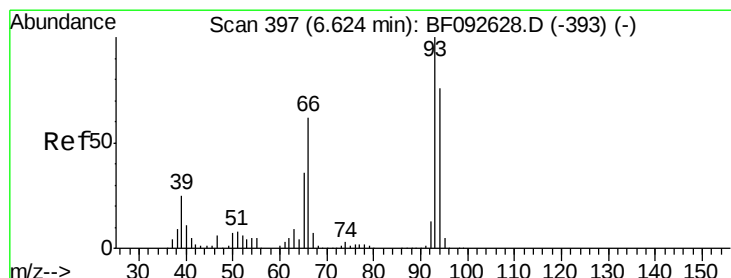
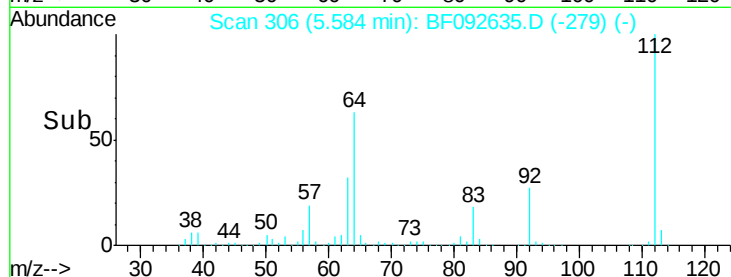
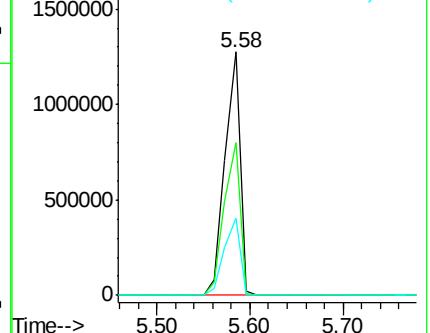
63 31.7 23.8 35.6



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



#6

Aniline

Concen: 68.80 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.08 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

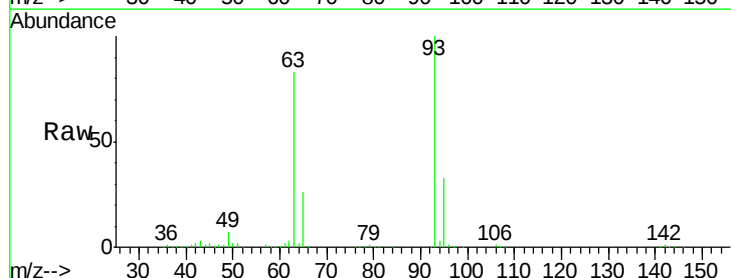
Tgt Ion: 93 Resp: 1138533

Ion Ratio Lower Upper

93 100

66 0.5 76.2 114.2#

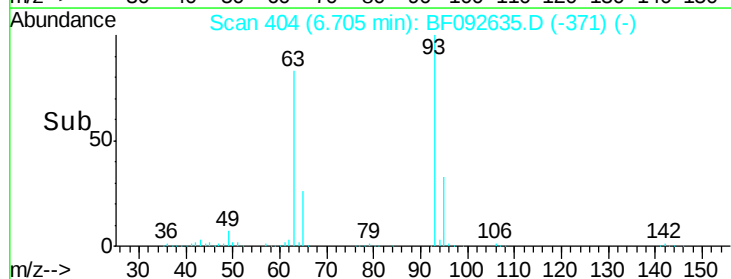
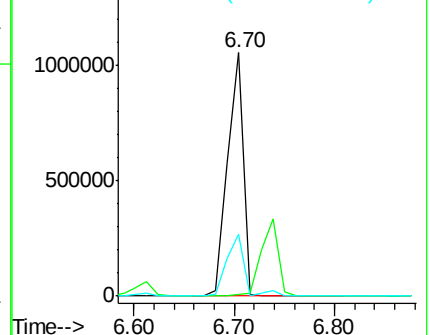
65 25.5 49.3 73.9#

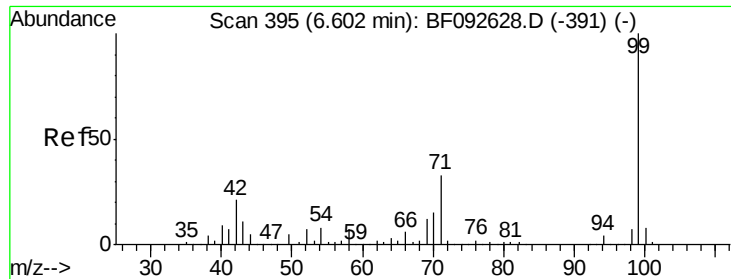


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 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

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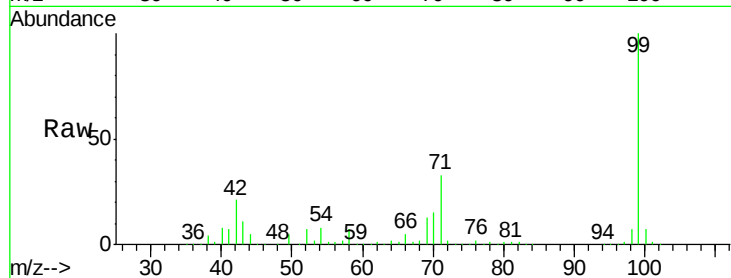
Tgt Ion: 99 Resp: 1752498

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

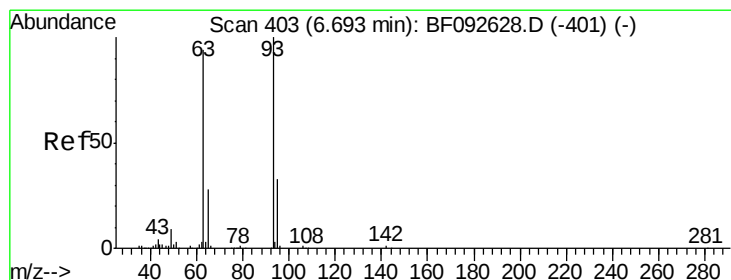
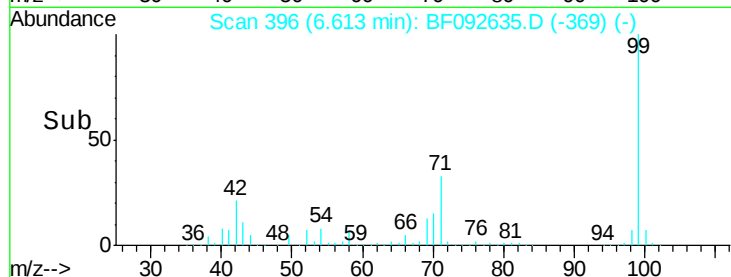
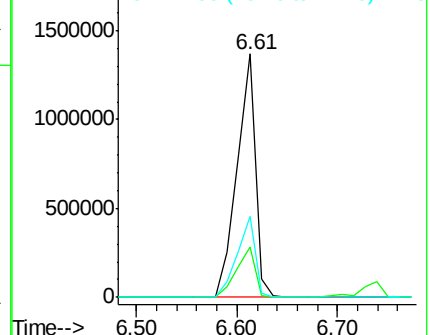
71 33.2 27.5 41.3



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

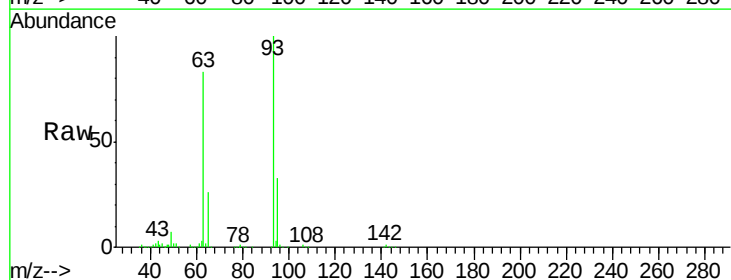
Tgt Ion: 93 Resp: 1138533

Ion Ratio Lower Upper

93 100

63 82.5 60.4 100.4

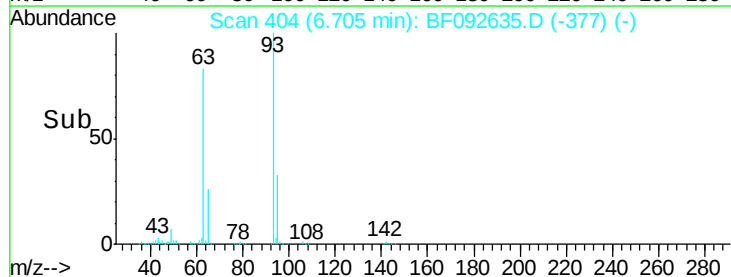
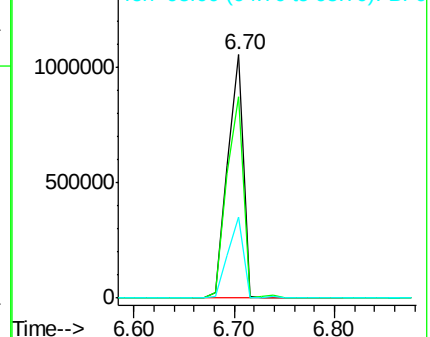
95 33.2 12.8 52.8

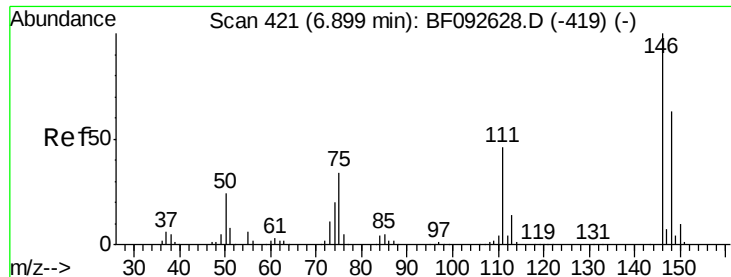


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

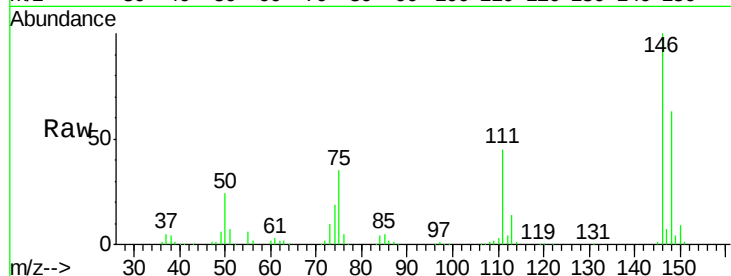




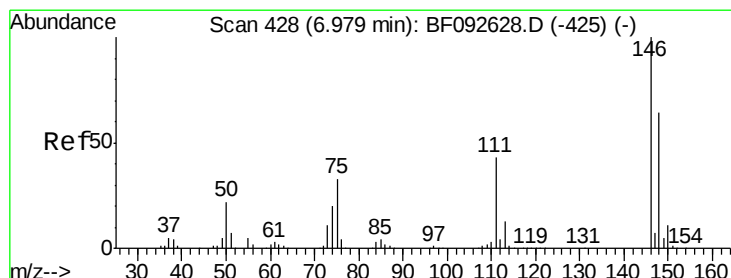
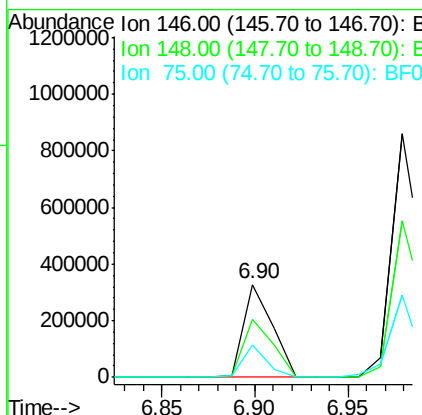
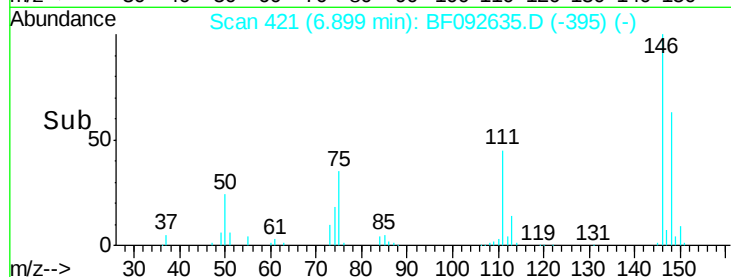
#12
 1,3-Dichlorobenzene
 Concen: 28.61 ng
 RT: 6.90 min Scan# 421
 Delta R.T. 0.00 min
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Tgt Ion:146 Resp: 348604
 Ion Ratio Lower Upper
 146 100
 148 62.9 53.4 80.0
 75 34.8 18.5 27.7#

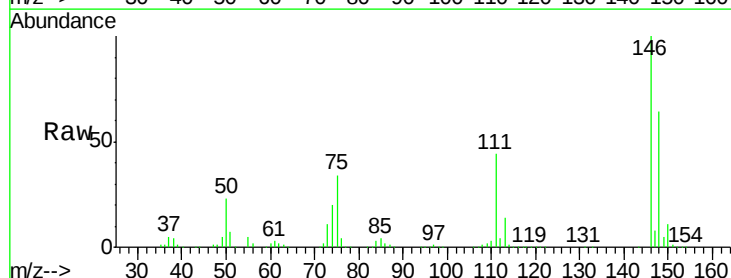


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

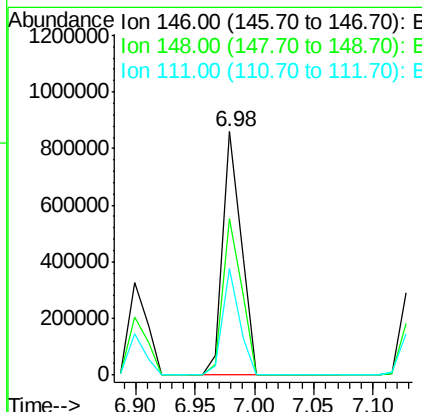
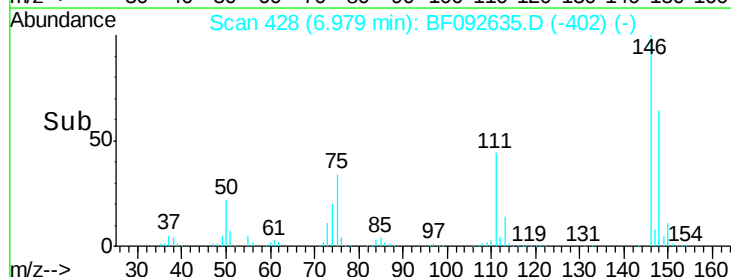


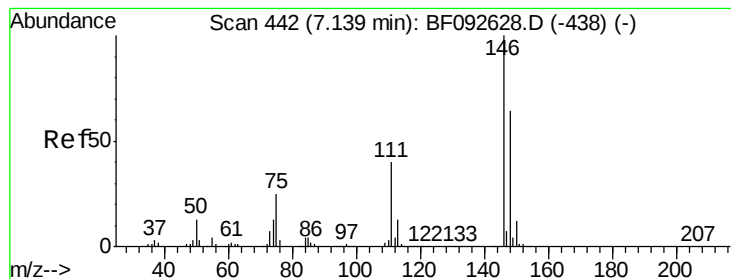
#13
 1,4-Dichlorobenzene
 Concen: 74.61 ng
 RT: 6.98 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt 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

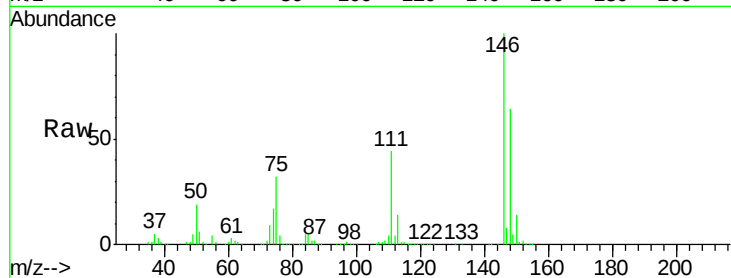




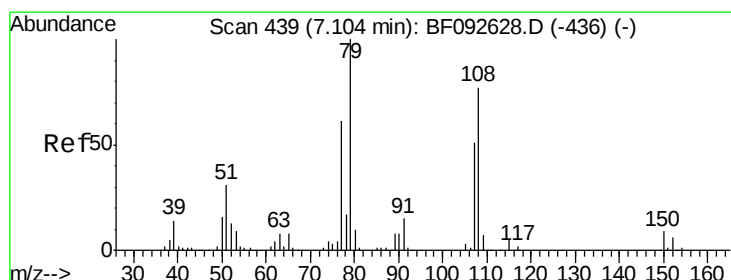
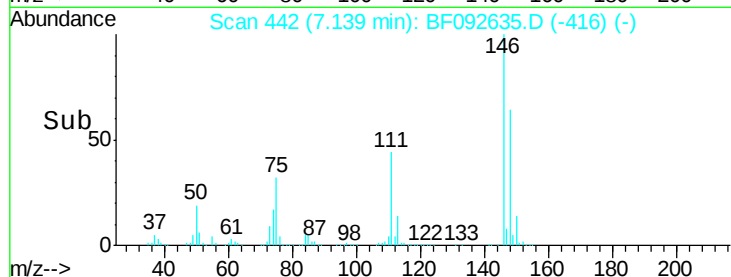
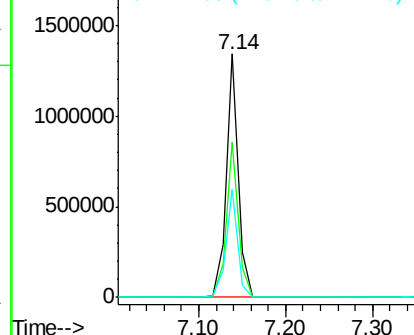
#14
 1,2-Dichlorobenzene
 Concen: 110.35 ng
 RT: 7.14 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

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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

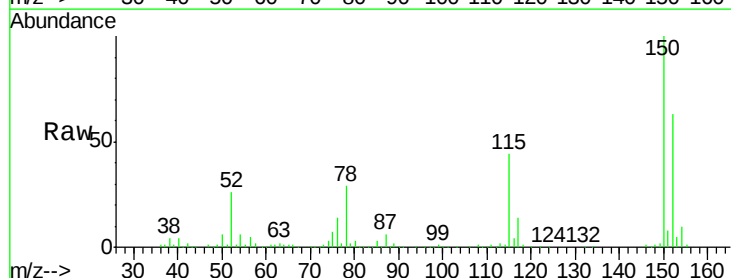


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

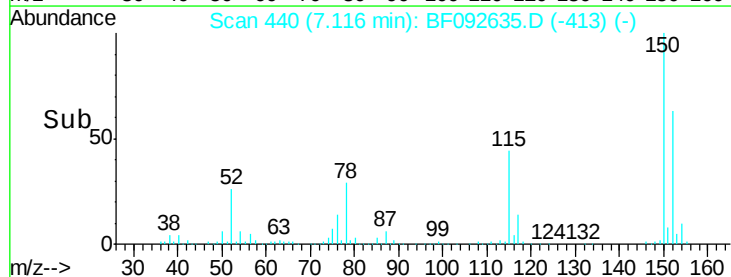
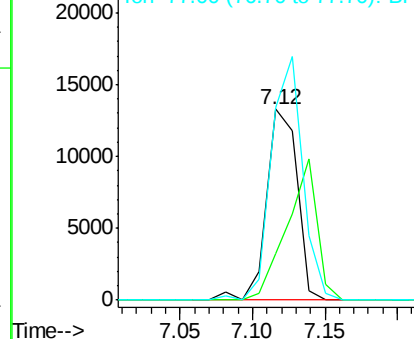


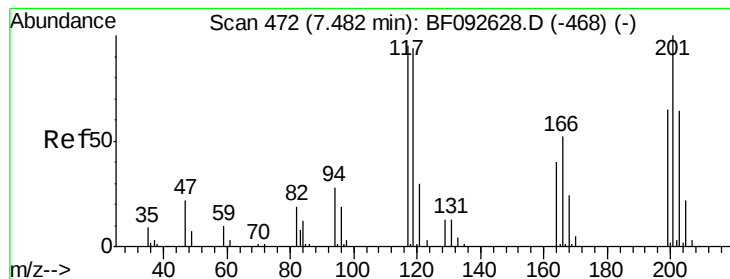
#15
 Benzyl Alcohol
 Concen: 2.16 ng
 RT: 7.12 min Scan# 440
 Delta R.T. 0.01 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion: 79 Resp: 19391
 Ion Ratio Lower Upper
 79 100
 108 24.5 61.4 92.0#
 77 100.8 50.9 76.3#



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





#18

Hexachloroethane

Concen: 109.67 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF092635.D

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Instrument :

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ClientSampleId :

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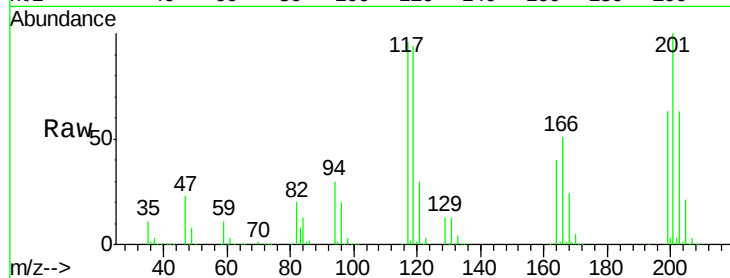
Tgt Ion:117 Resp: 461646

Ion Ratio Lower Upper

117 100

119 98.7 78.1 117.1

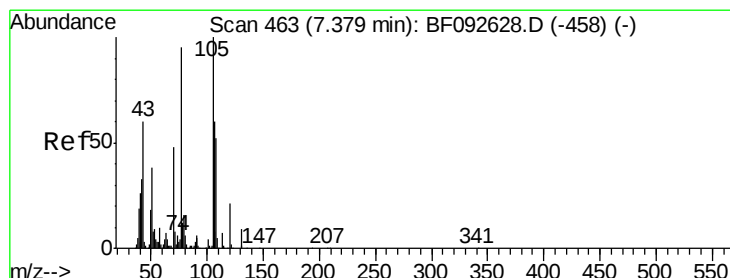
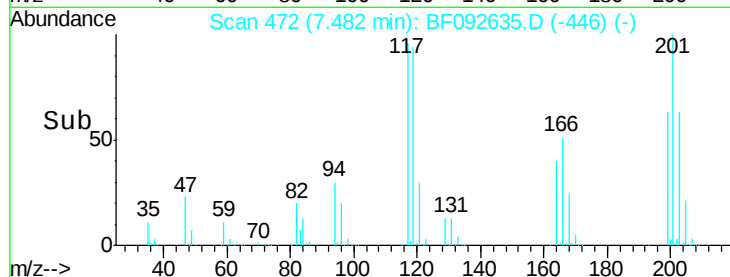
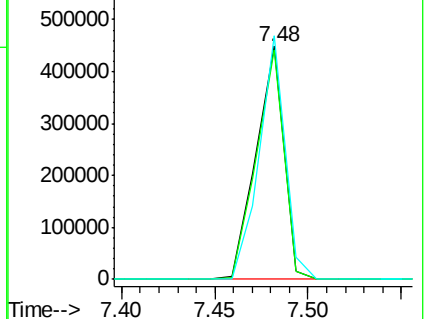
201 104.5 78.6 117.8



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

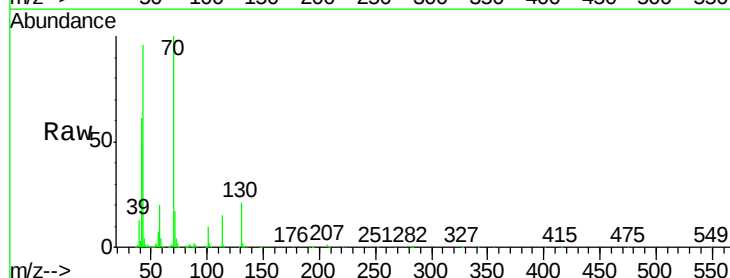
Ion Ratio Lower Upper

70 100

42 61.3 49.4 74.0

101 9.5 7.4 11.2

130 20.9 14.2 21.4

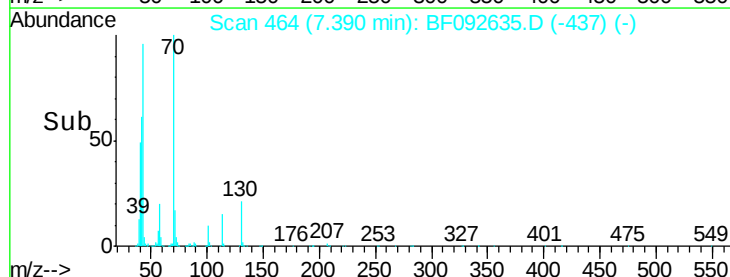
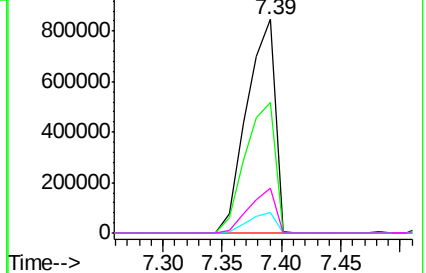


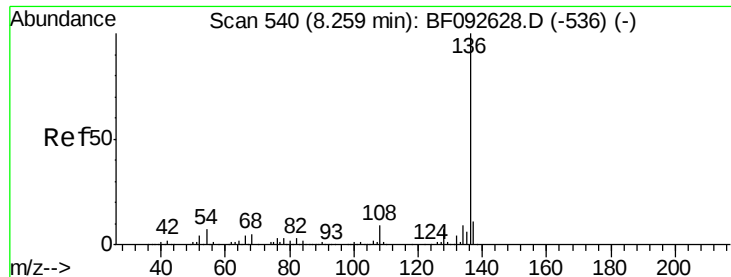
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

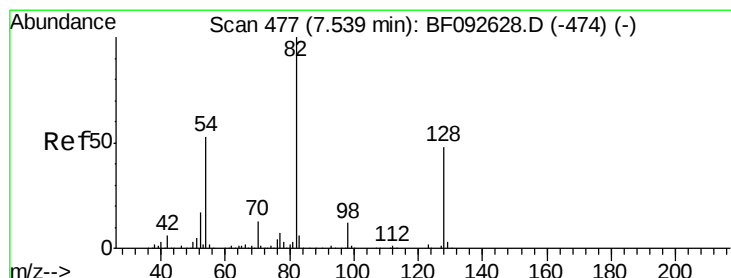
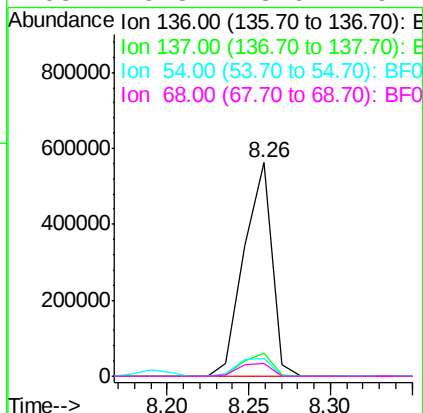
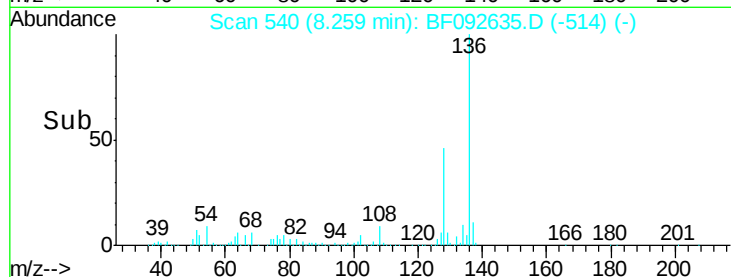
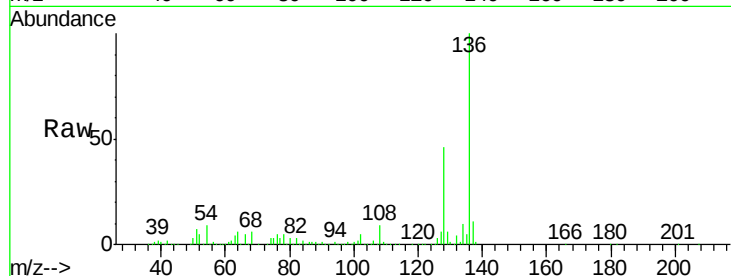




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

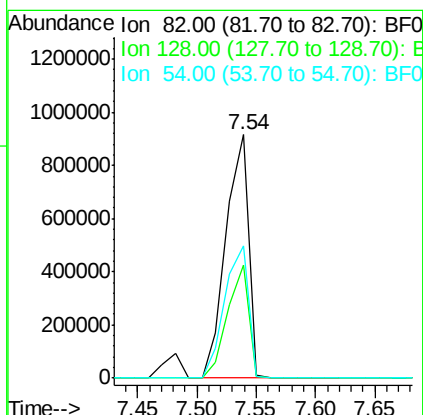
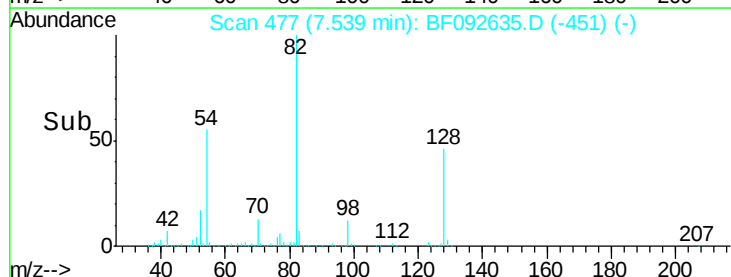
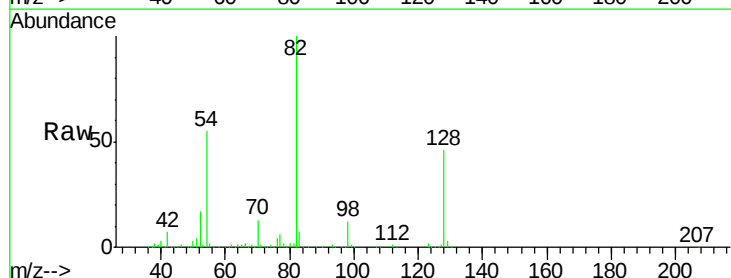
Instrument :
BNA_F
ClientSampleId :
0036

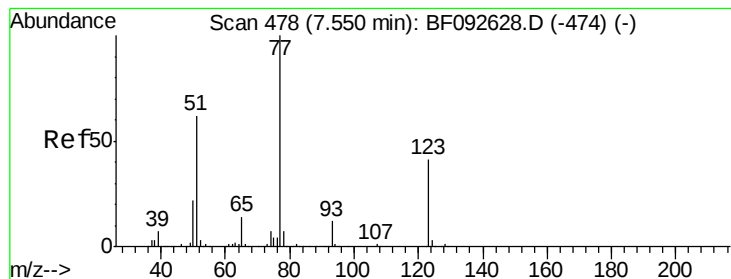
Tgt Ion:	136	Resp:	667088
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	8.7	4.5	6.7#
68	5.8	3.6	5.4#



#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





#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

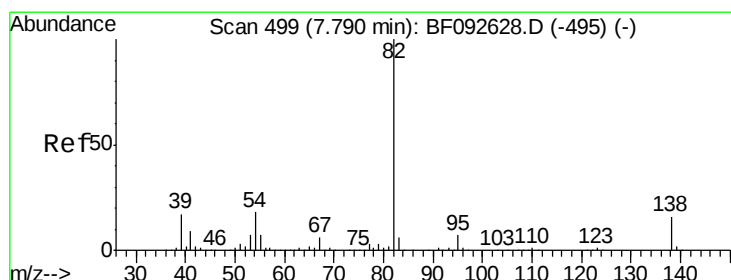
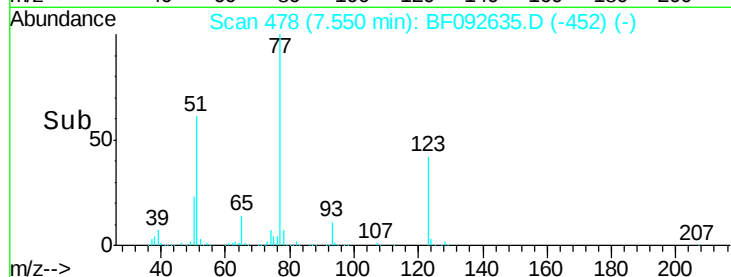
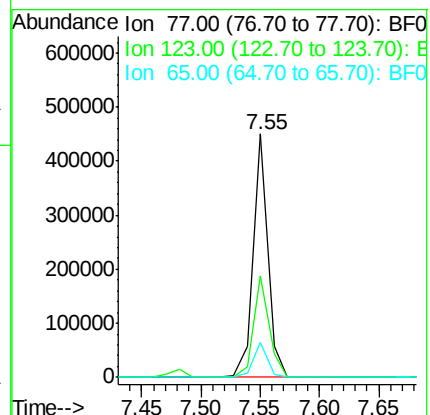
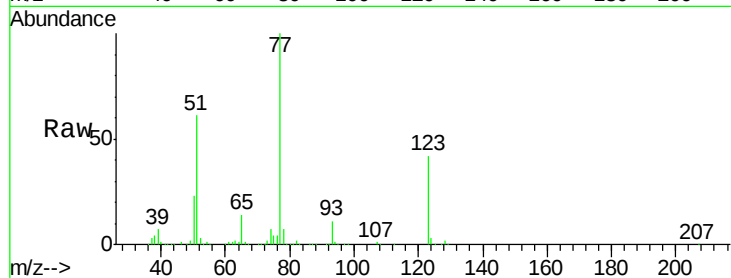
Tgt Ion: 77 Resp: 392259

Ion Ratio Lower Upper

77 100

123 41.8 33.0 49.4

65 14.3 11.2 16.8



#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

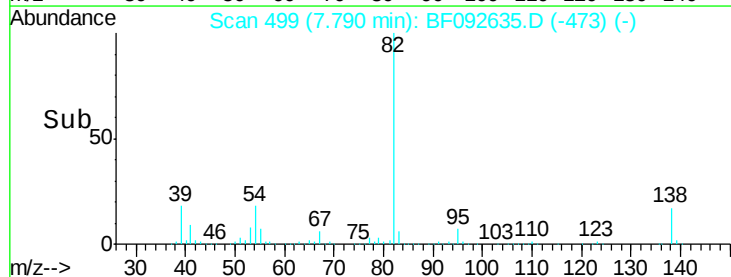
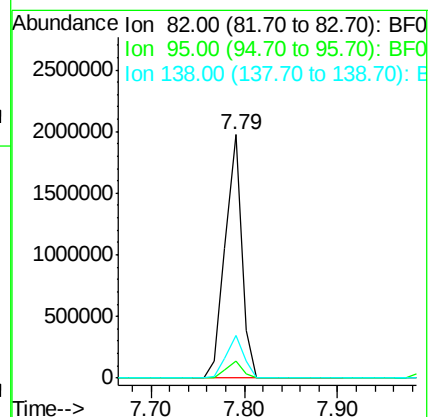
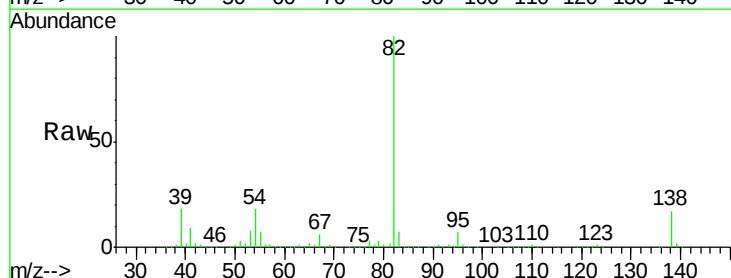
Tgt Ion: 82 Resp: 2451517

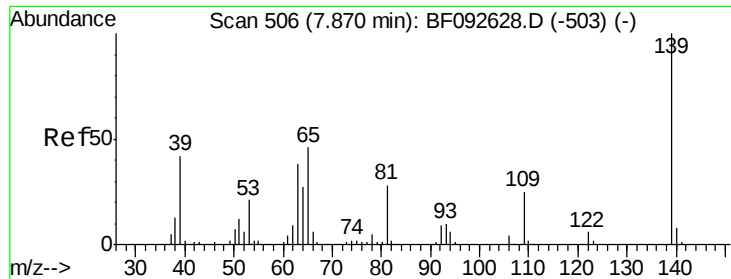
Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

138 17.3 14.6 22.0

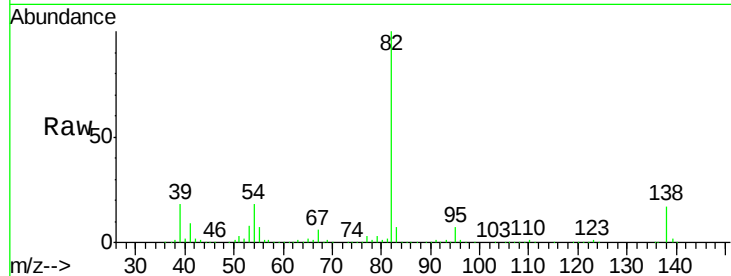




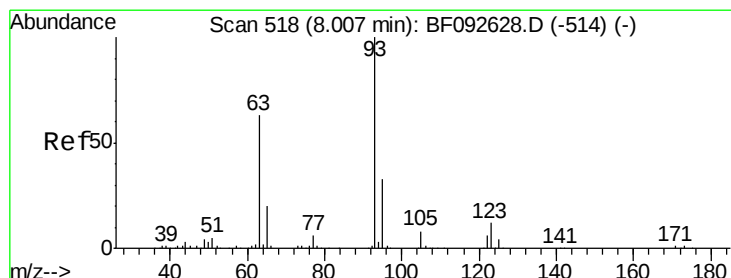
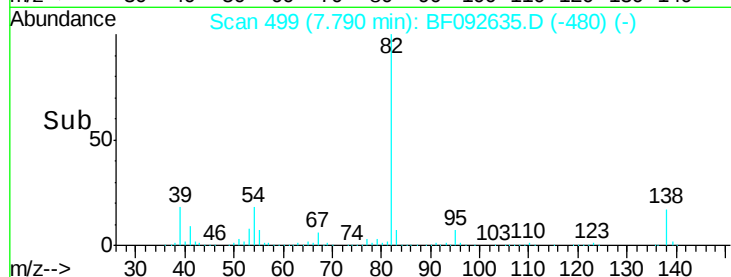
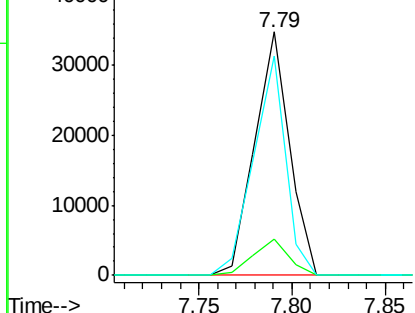
#26
 2-Nitrophenol
 Concen: 7.68 ng
 RT: 7.79 min Scan# 499
 Delta R.T. -0.08 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tgt Ion: 139 Resp: 44878
 Ion Ratio Lower Upper
 139 100
 109 14.7 23.3 34.9#
 65 89.9 42.7 64.1#

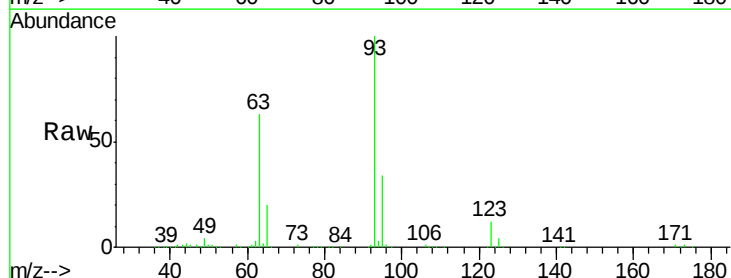


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BFO

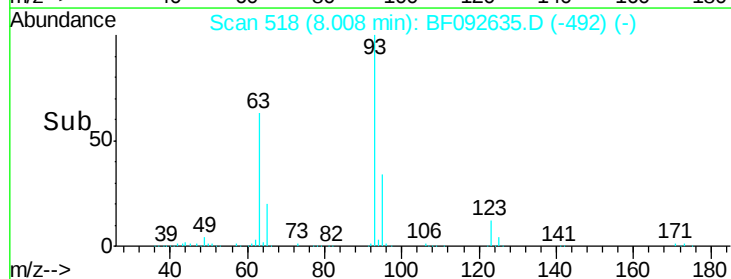
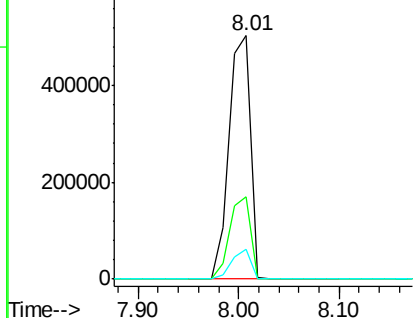


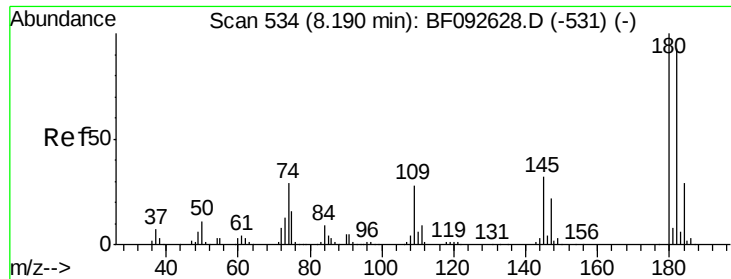
#28
 bis(2-Chloroethoxy)methane
 Concen: 50.30 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion: 93 Resp: 743692
 Ion Ratio Lower Upper
 93 100
 95 33.8 26.5 39.7
 123 12.1 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BFO
 Ion 95.00 (94.70 to 95.70): BFO
 Ion 123.00 (122.70 to 123.70): E

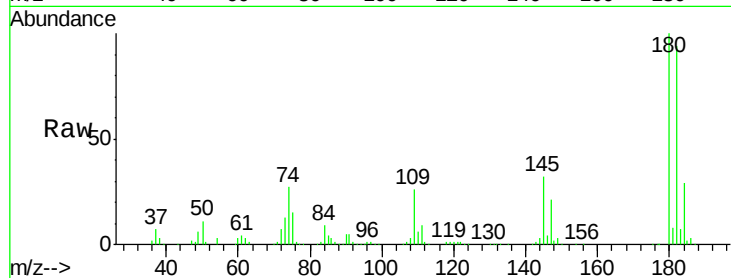




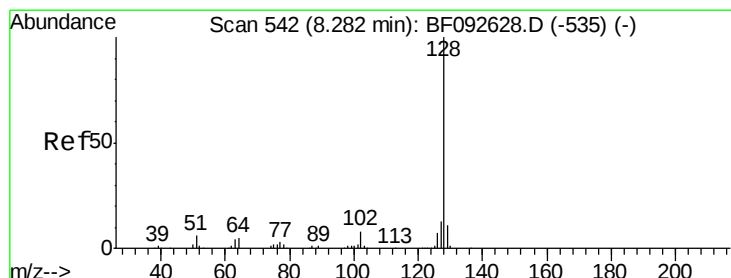
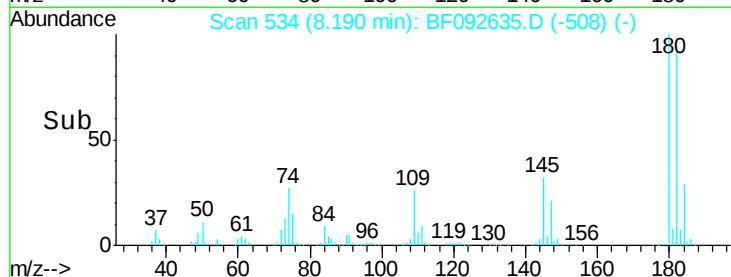
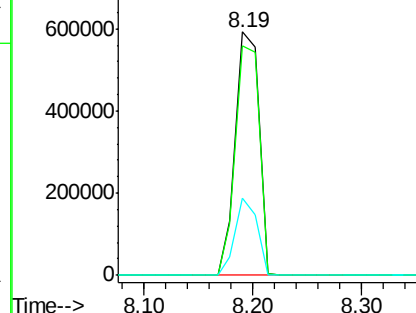
#30
 1,2,4-Trichlorobenzene
 Concen: 85.68 ng
 RT: 8.19 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

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

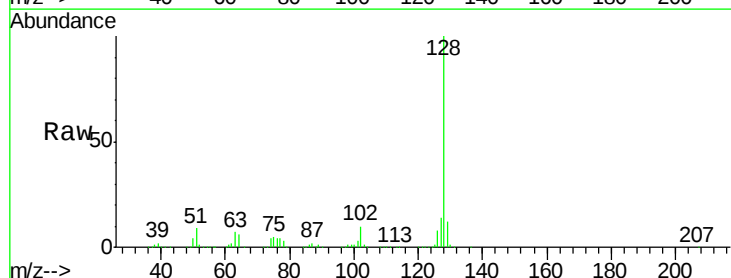


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

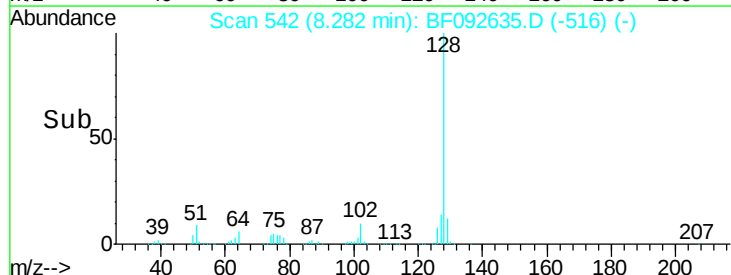
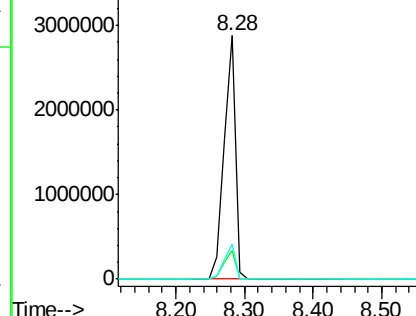


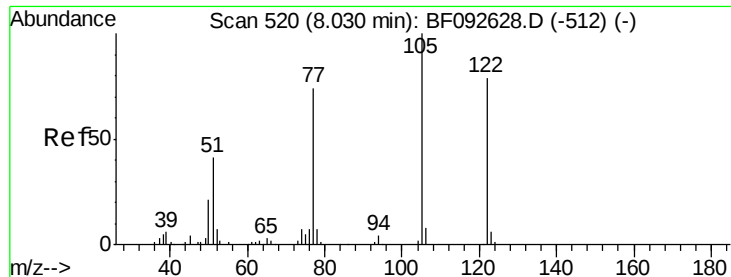
#31
 Naphthalene
 Concen: 99.24 ng
 RT: 8.28 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt 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





#32

Benzoic acid

Concen: 7.25 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

0036

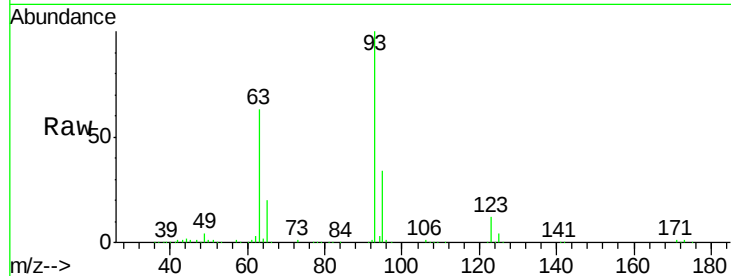
Tgt Ion:122 Resp: 593

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

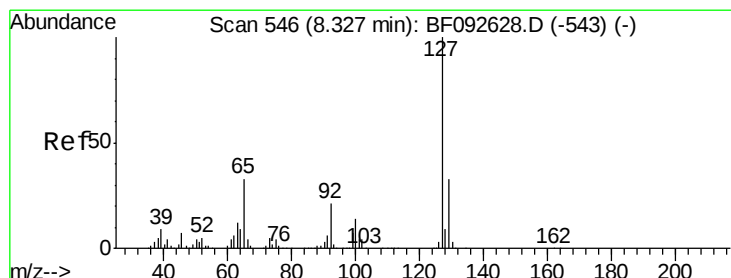
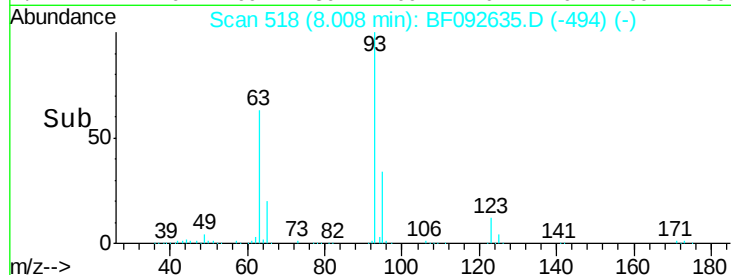
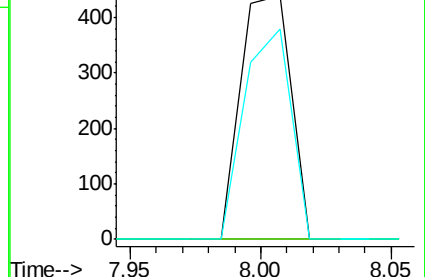
77 86.3 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 35.50 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Tgt Ion:127 Resp: 470777

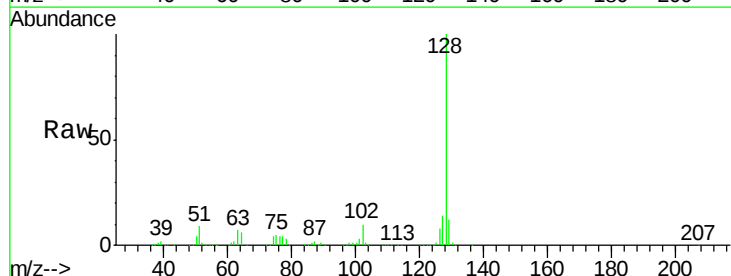
Ion Ratio Lower Upper

127 100

129 82.9 26.3 39.5#

65 0.0 25.8 38.8#

92 0.0 16.1 24.1#

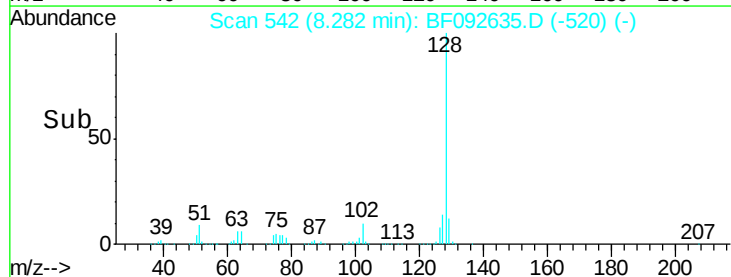
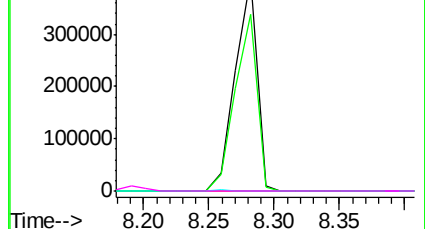


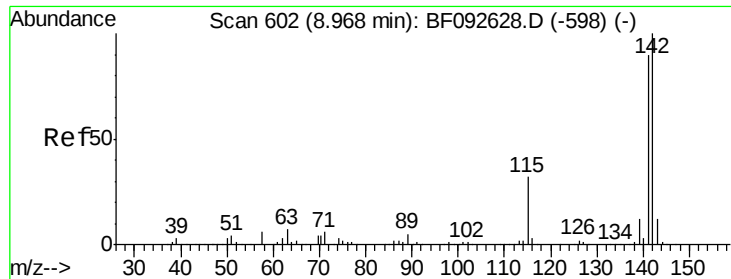
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

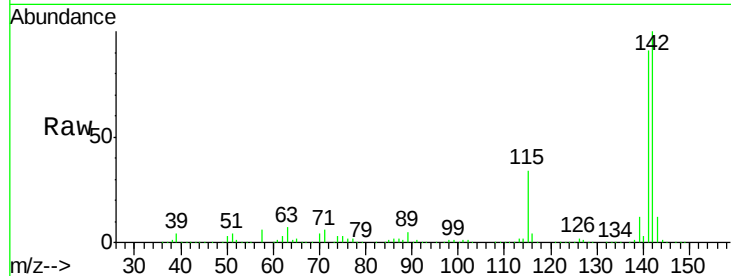




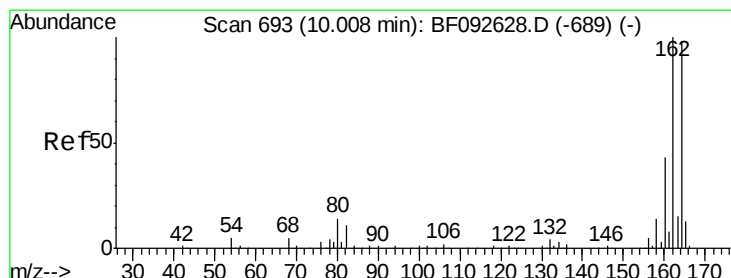
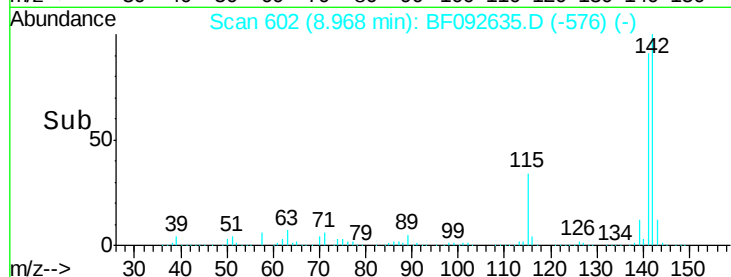
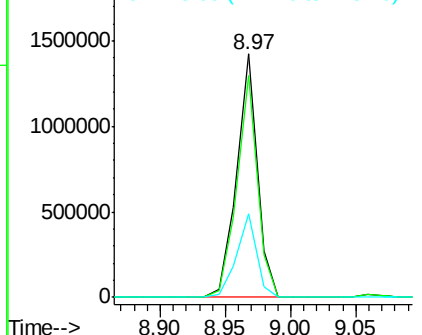
#37
 2-Methylnaphthalene
 Concen: 72.09 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

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

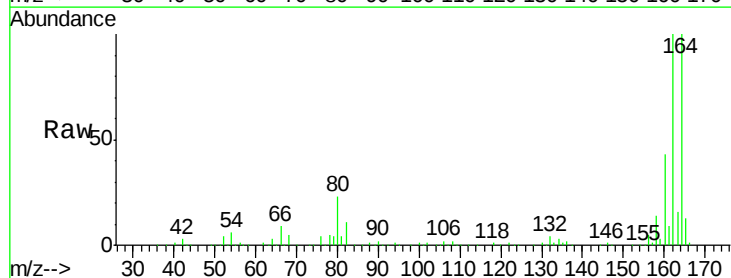


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

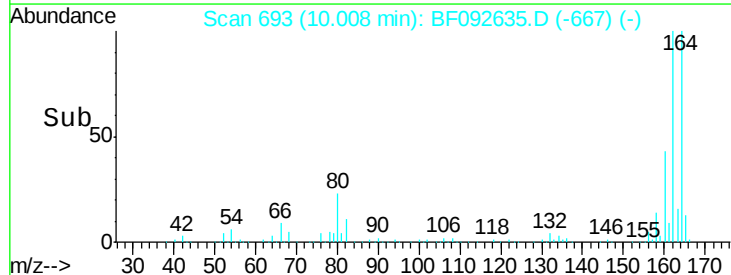
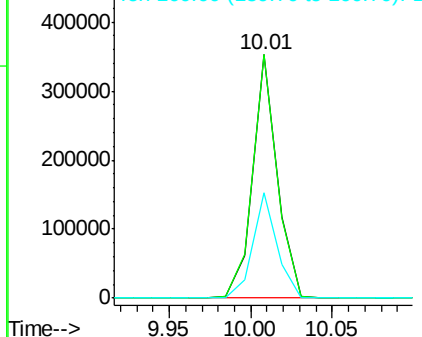


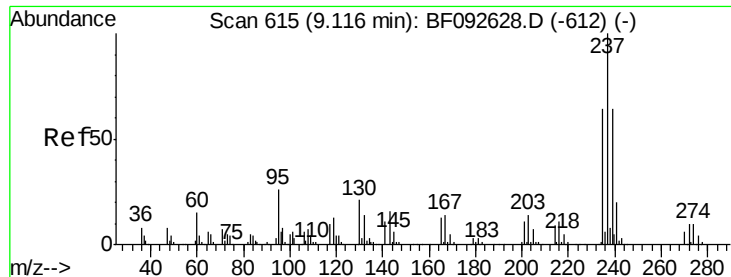
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

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



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

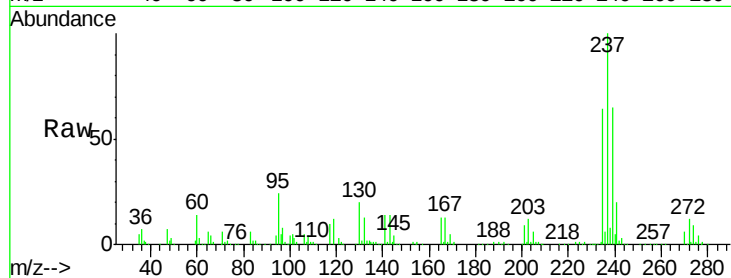




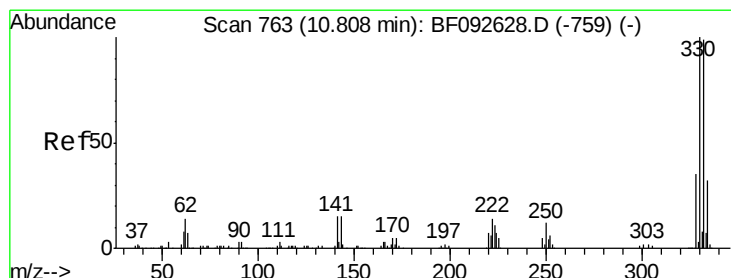
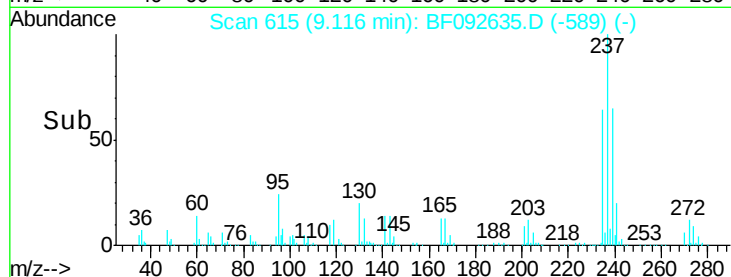
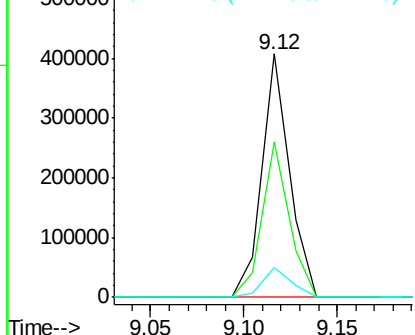
#40
Hexachlorocyclopentadiene
Concen: 89.28 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

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

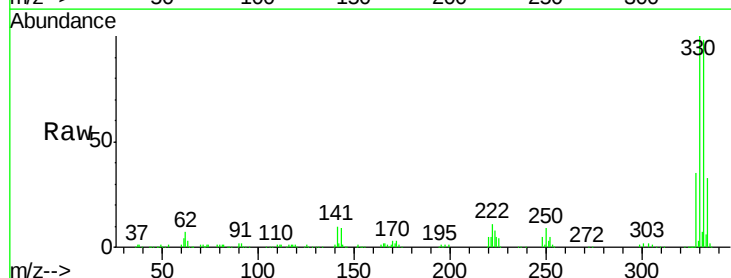


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

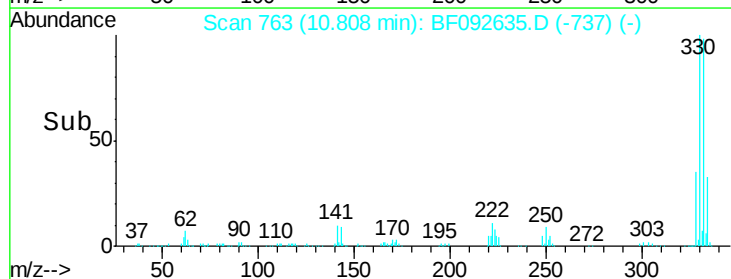
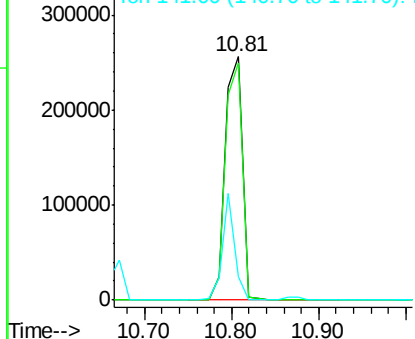


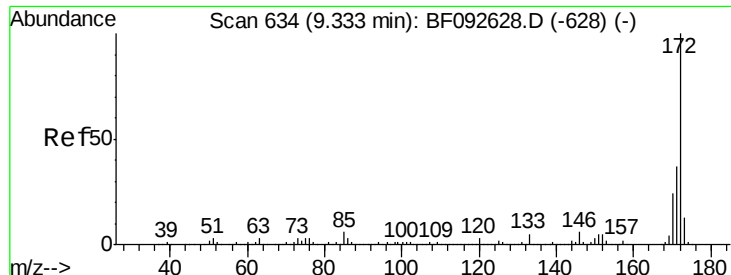
#41
2,4,6-Tribromophenol
Concen: 133.01 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

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



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

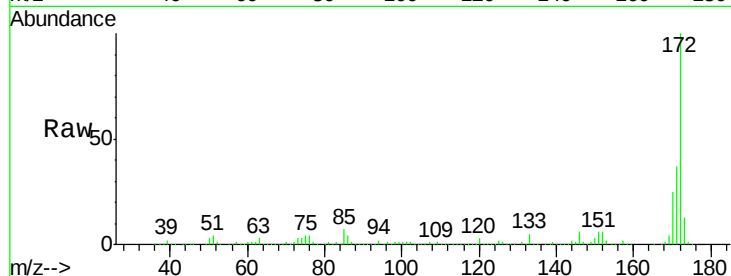




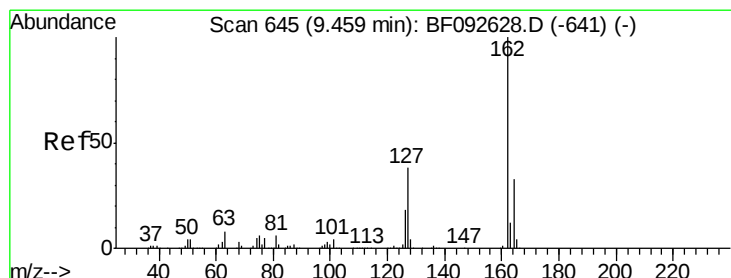
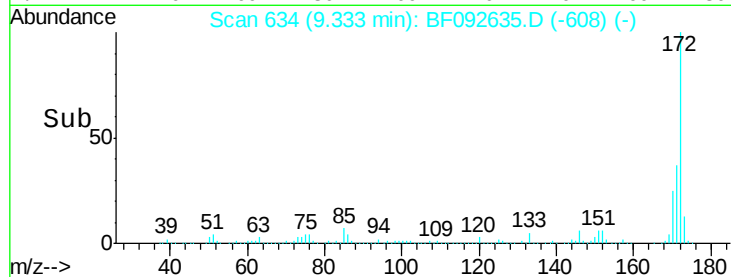
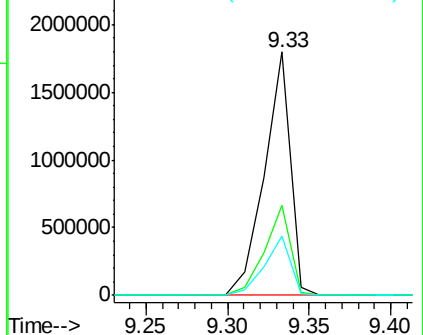
#44
 2-Fluorobiphenyl
 Concen: 98.32 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

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

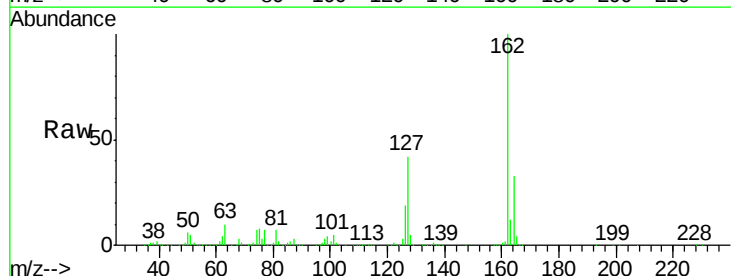


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

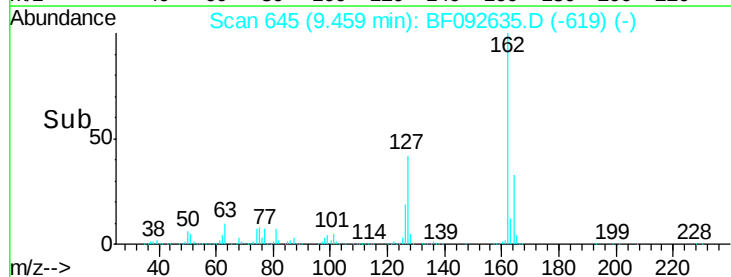
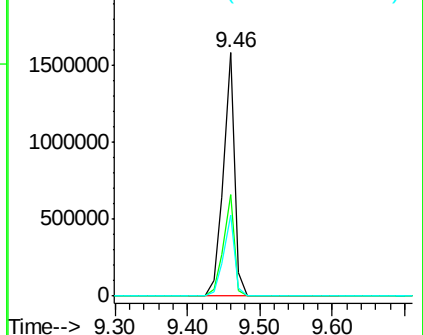


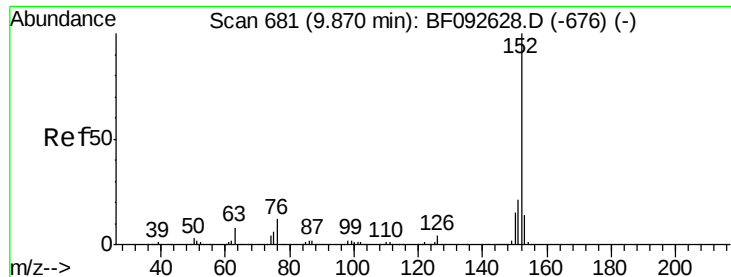
#46
 2-Chloronaphthalene
 Concen: 82.01 ng
 RT: 9.46 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

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



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#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

Instrument :

BNA_F

ClientSampled :

0036

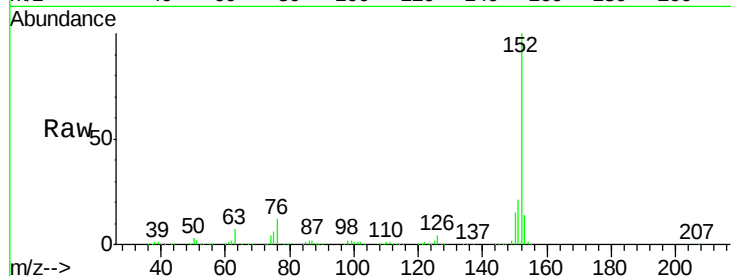
Tgt Ion:152 Resp: 2976497

Ion Ratio Lower Upper

152 100

151 21.2 16.9 25.3

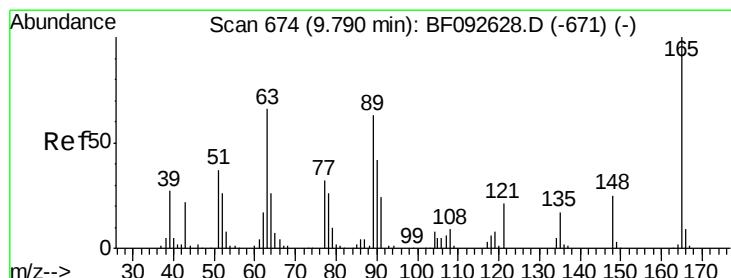
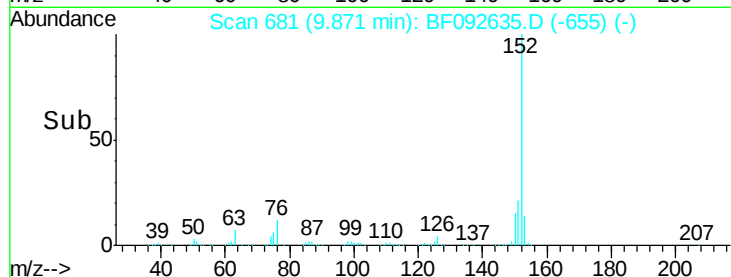
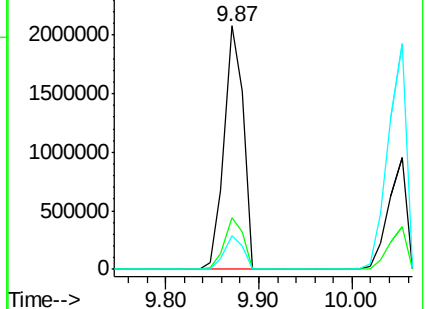
153 14.0 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 8.89 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.22 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

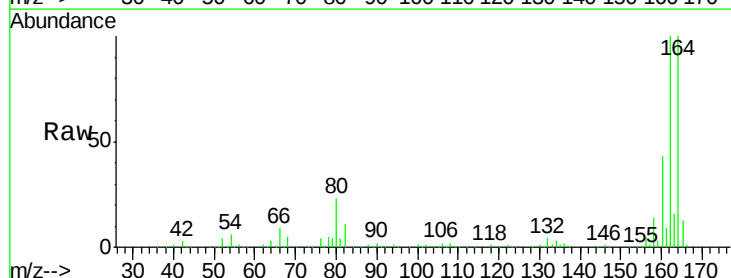
Tgt Ion:165 Resp: 47527

Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

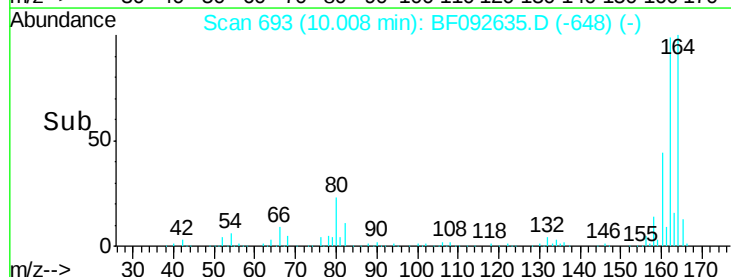
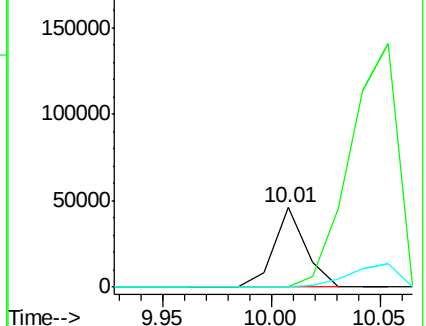
89 1.0 40.2 60.4#

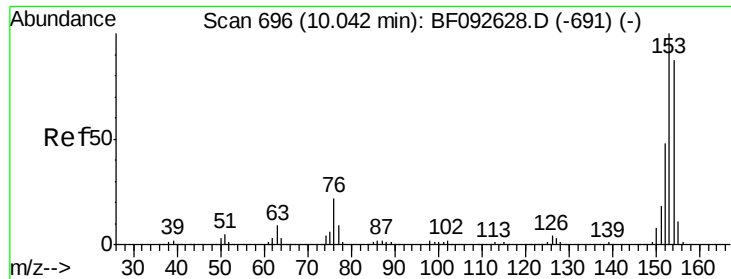


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 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

ClientSampleId :

0036

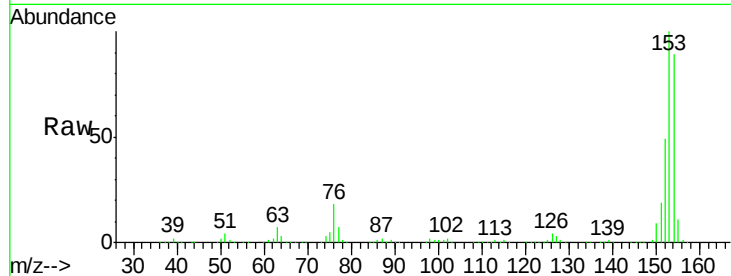
Tgt Ion:154 Resp: 2284977

Ion Ratio Lower Upper

154 100

153 112.5 88.6 133.0

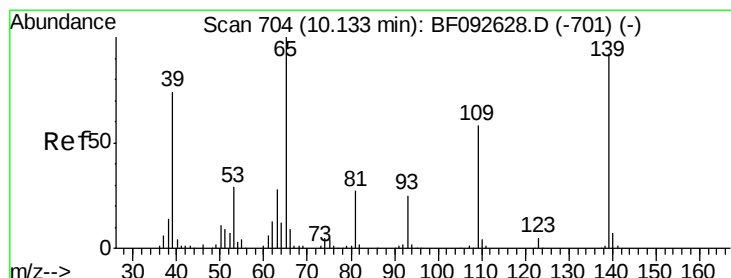
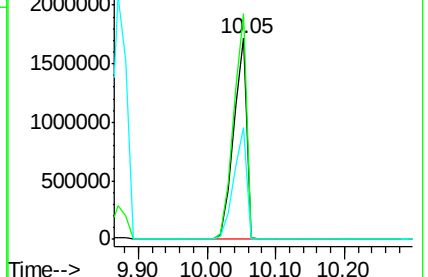
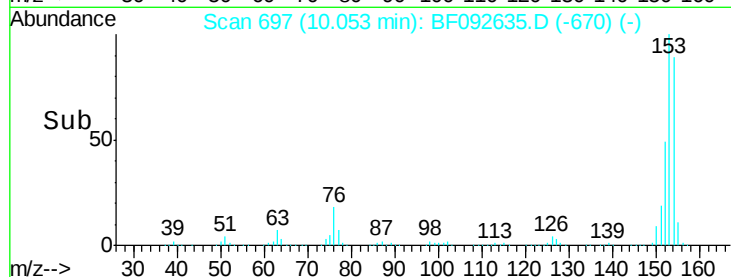
152 55.6 41.6 62.4



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



#55

4-Nitrophenol

Concen: 3.86 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.08 min

Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

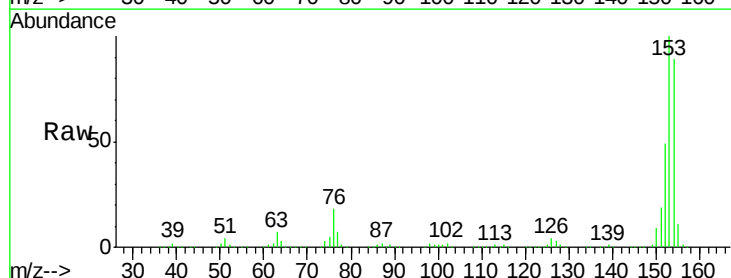
Tgt Ion:139 Resp: 16988

Ion Ratio Lower Upper

139 100

109 18.9 52.2 92.2#

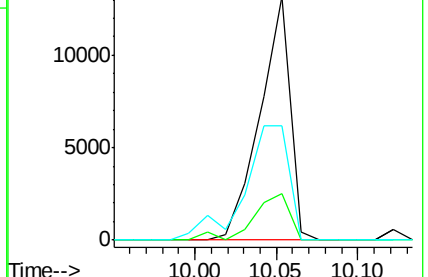
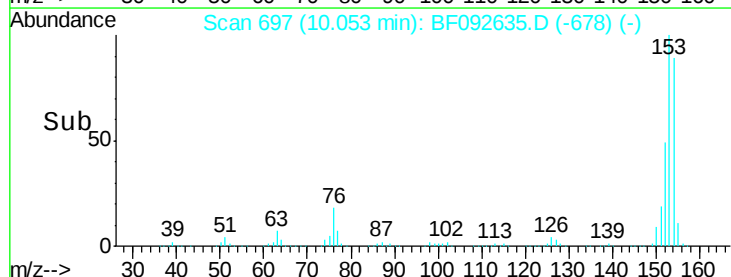
65 47.0 85.8 125.8#

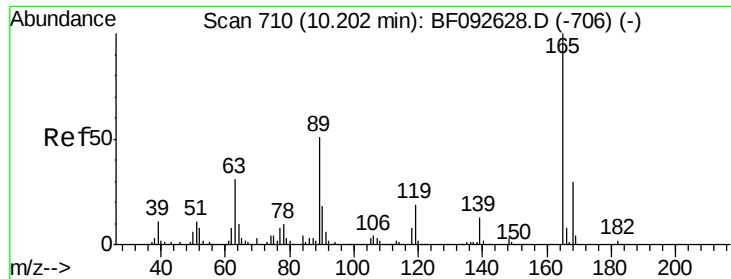


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

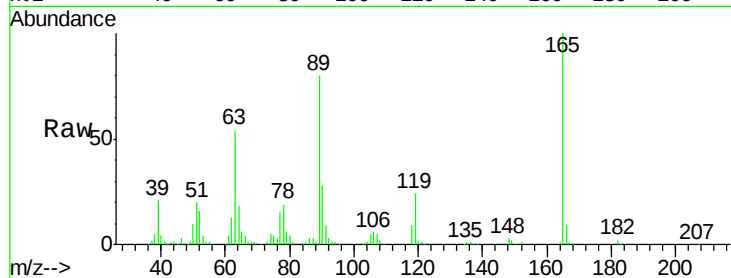




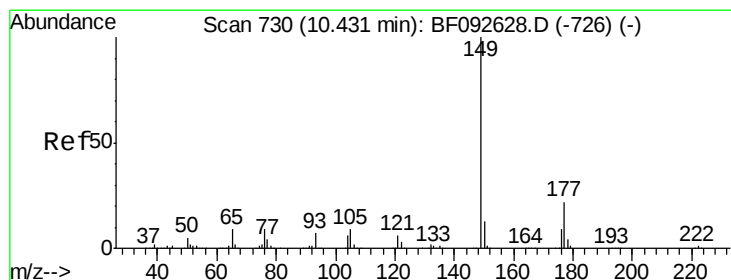
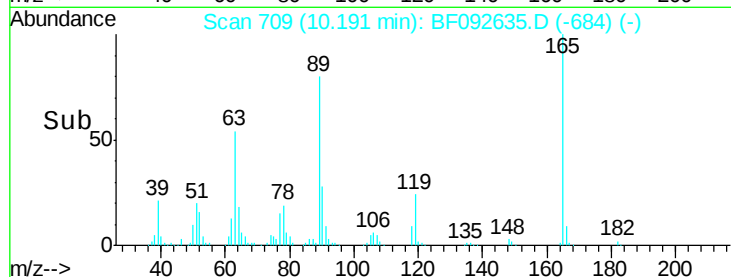
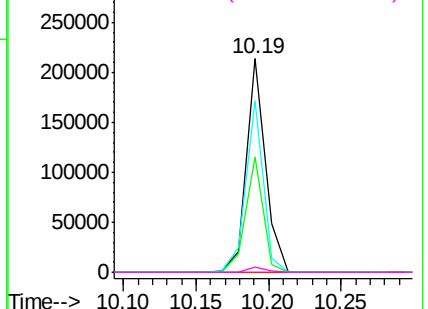
#56
2,4-Dinitrotoluene
Concen: 27.34 ng
RT: 10.19 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

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

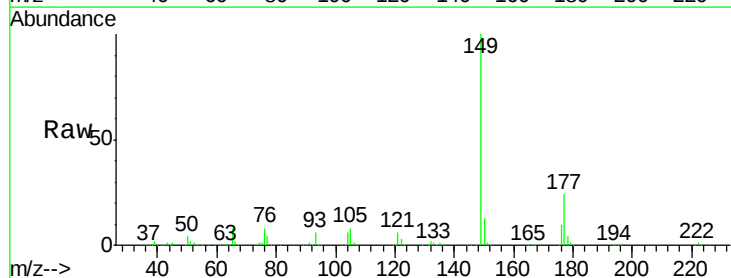


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

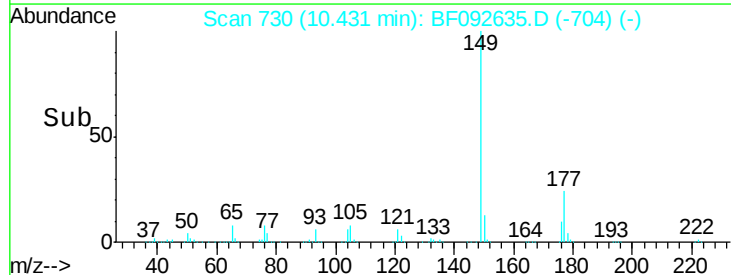
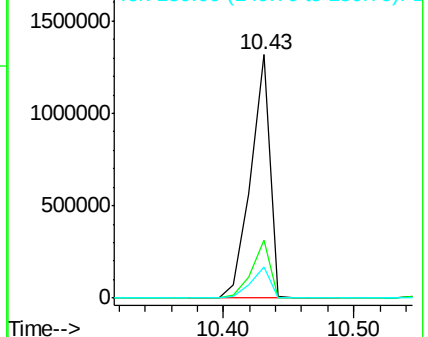


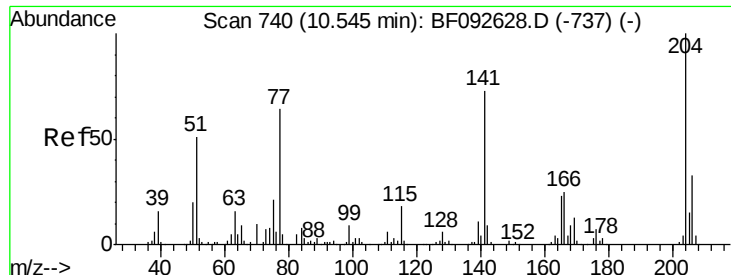
#59
Diethylphthalate
Concen: 57.93 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt 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

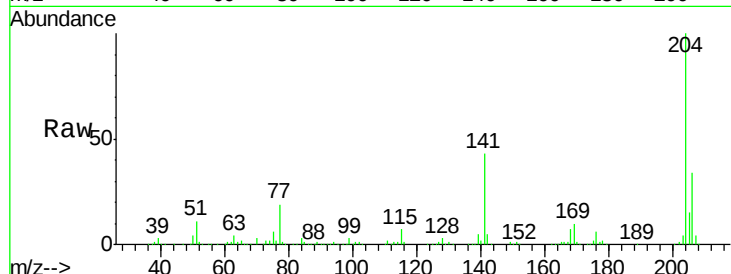




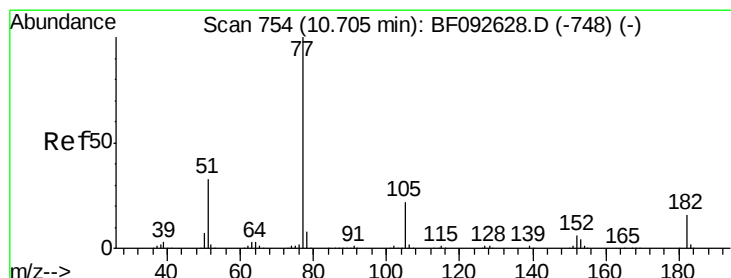
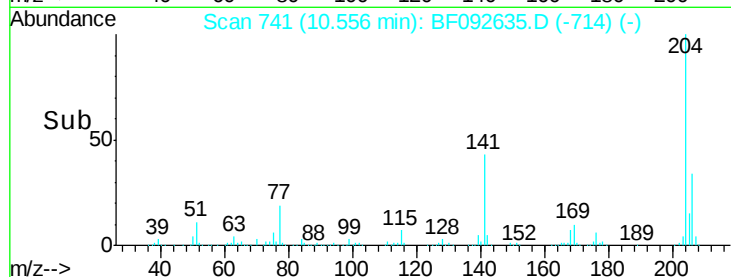
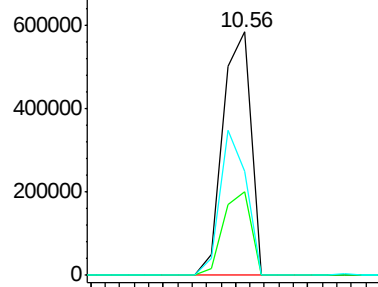
#60
 4-Chlorophenyl-phenylether
 Concen: 73.63 ng
 RT: 10.56 min Scan# 741
 Delta R.T. 0.01 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

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#

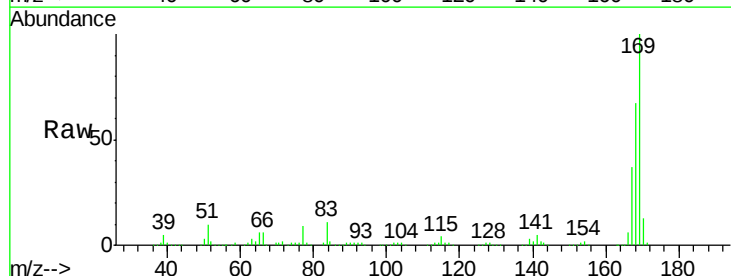


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

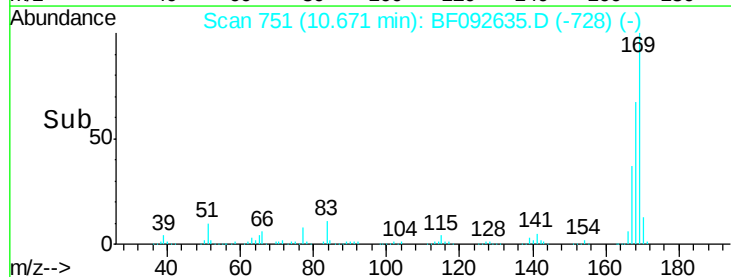
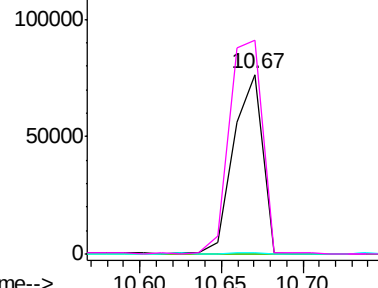


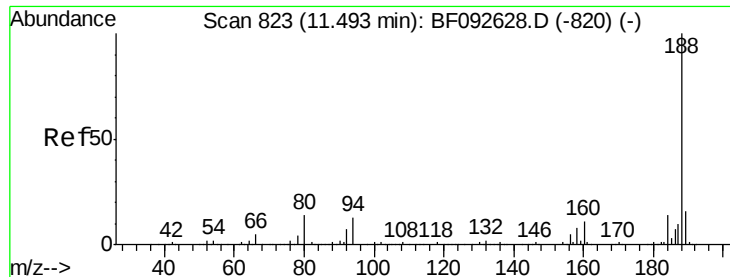
#62
 Azobenzene
 Concen: 3.96 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Tgt Ion: 77 Resp: 95416
 Ion Ratio Lower Upper
 77 100
 182 0.0 0.0 39.3
 105 1.0 2.3 42.3#
 51 118.8 8.9 48.9#



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

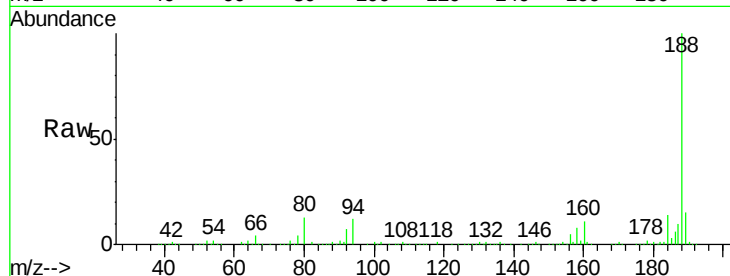




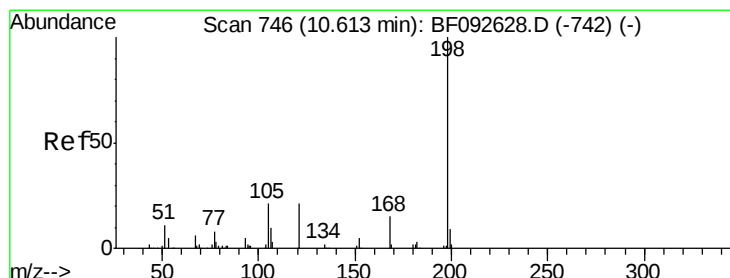
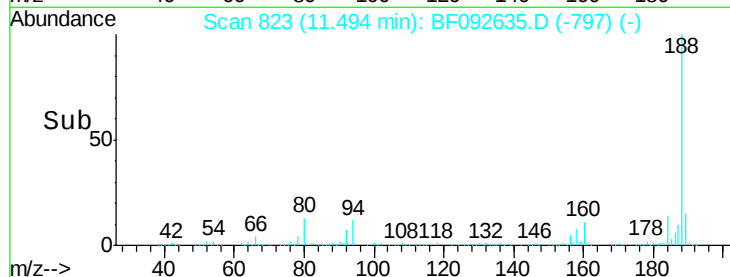
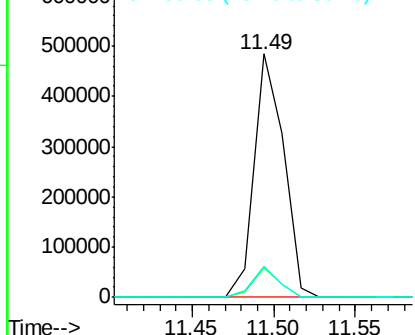
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

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

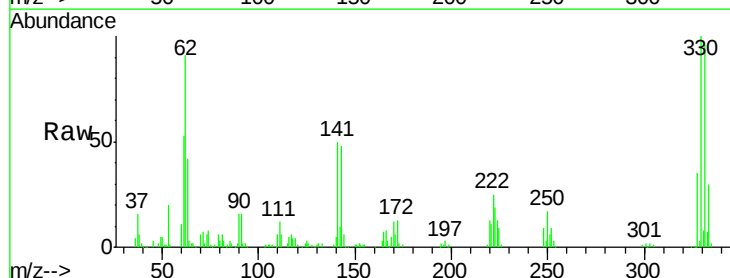


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

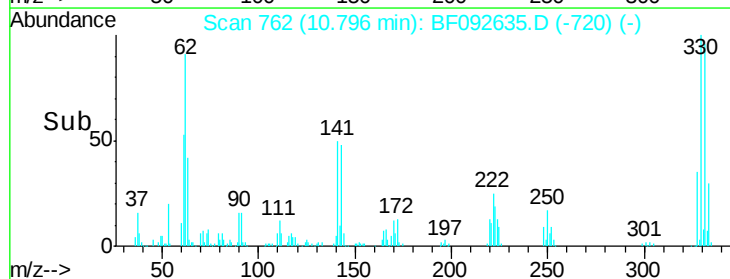
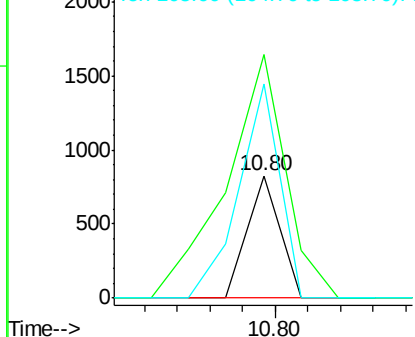


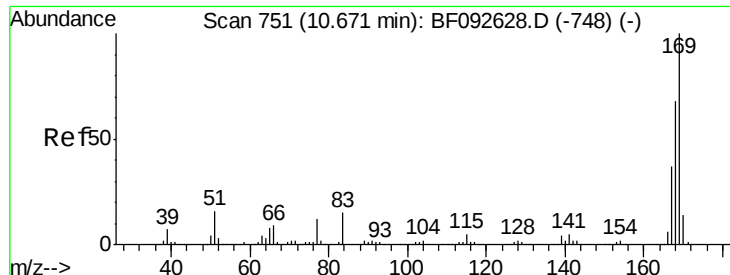
#64
4,6-Dinitro-2-methylphenol
Concen: 2.81 ng
RT: 10.80 min Scan# 762
Delta R.T. 0.18 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:198 Resp: 566
Ion Ratio Lower Upper
198 100
51 198.9 6.7 46.7#
105 174.6 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

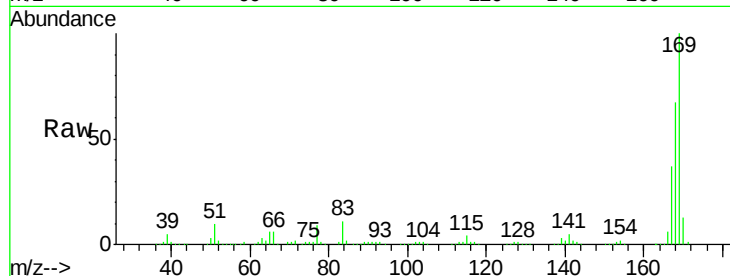




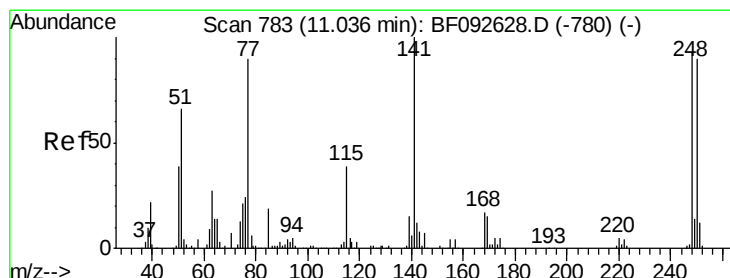
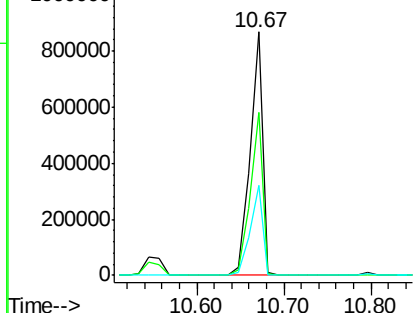
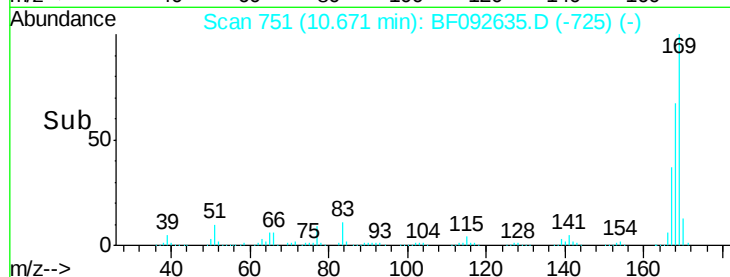
#65
 n-Nitrosodiphenylamine
 Concen: 44.84 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 0036

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

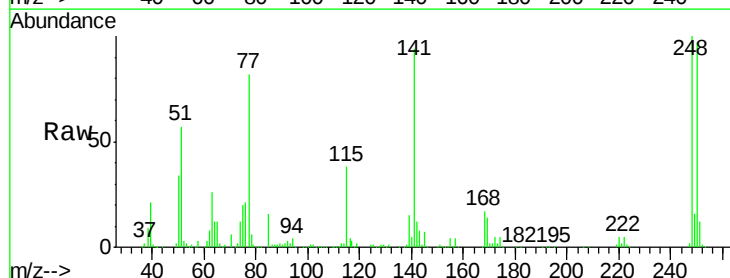


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

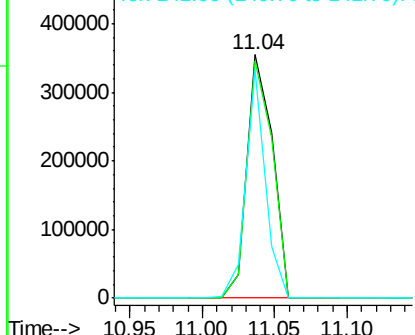
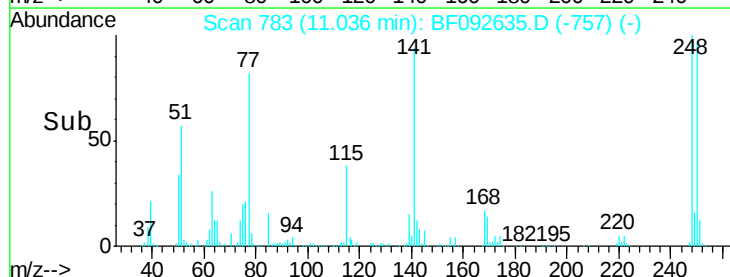


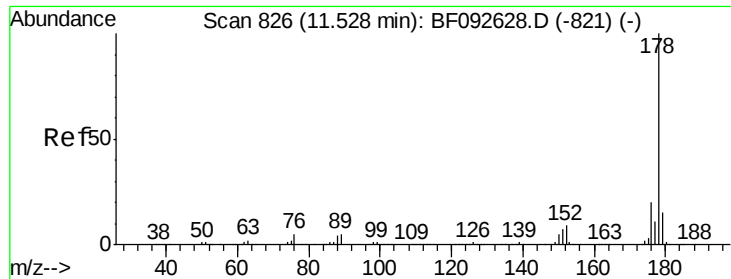
#66
 4-Bromophenyl-phenylether
 Concen: 68.34 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF092635.D
 Acq: 30 Jan 2017 15:55

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



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

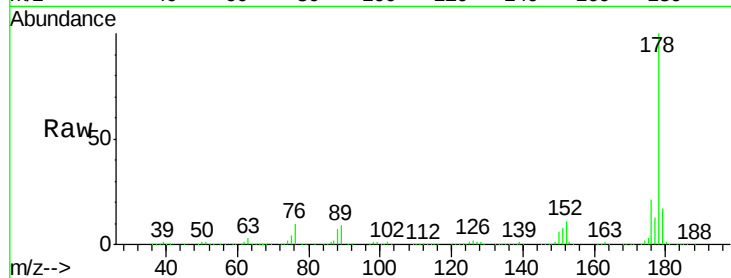




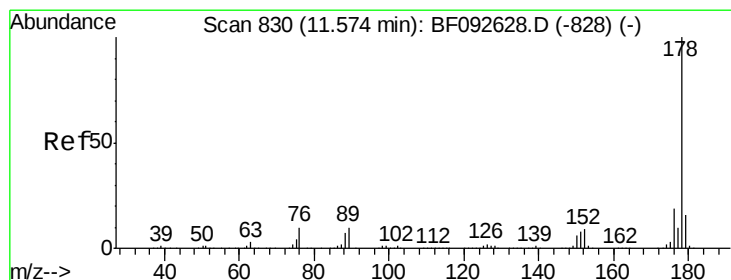
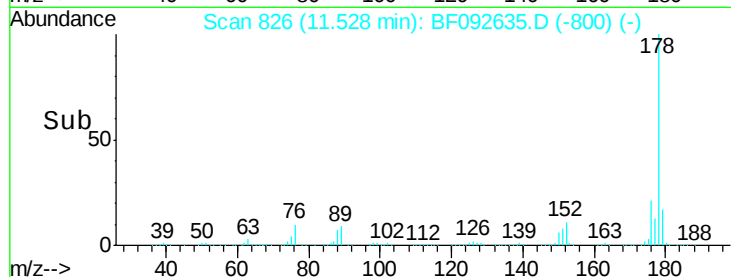
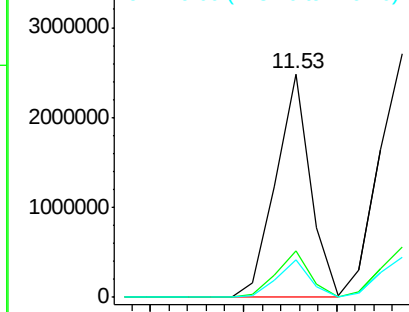
#70
Phenanthrene
Concen: 91.94 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
0036

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

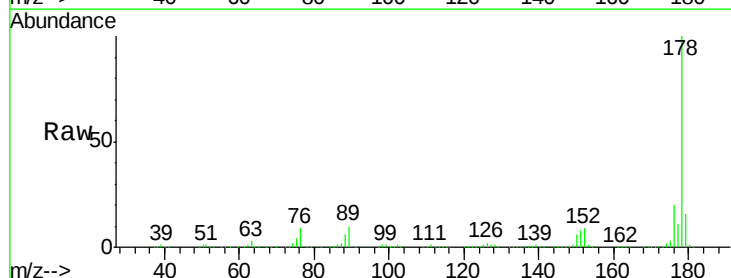


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

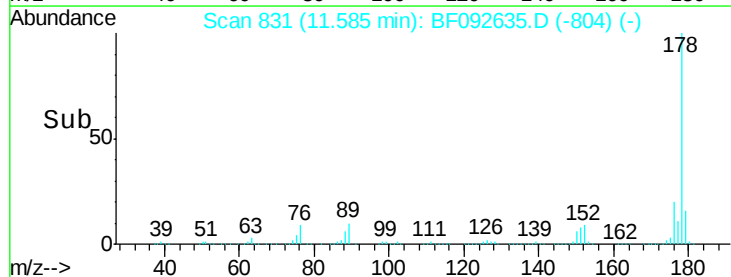
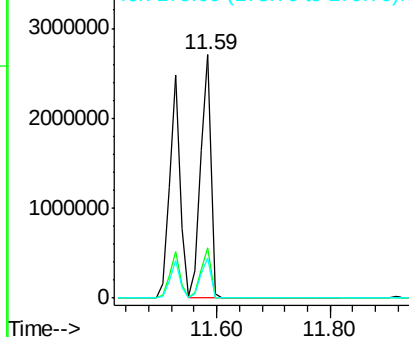


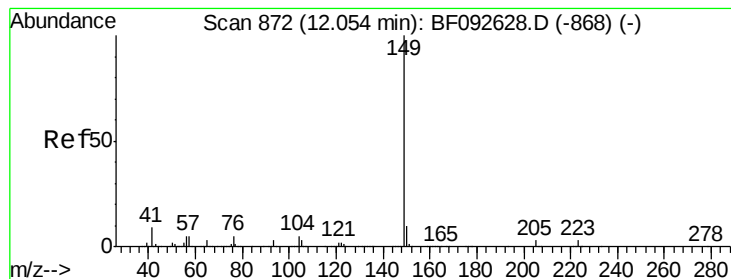
#71
Anthracene
Concen: 92.38 ng
RT: 11.59 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt 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

Instrument :

BNA_F

ClientSampleId :

0036

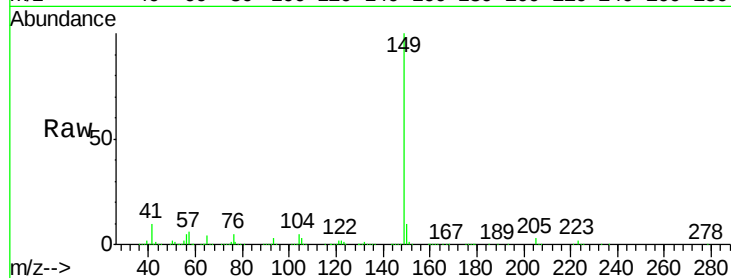
Tgt Ion:149 Resp: 2985051

Ion Ratio Lower Upper

149 100

150 9.8 8.1 12.1

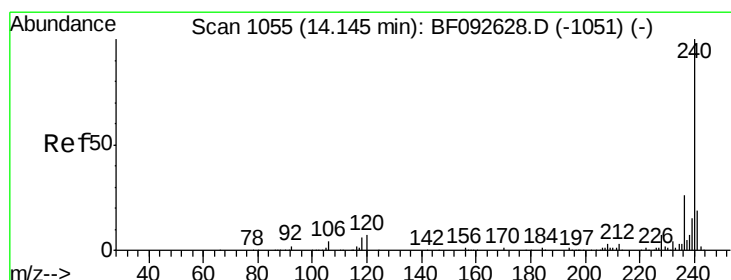
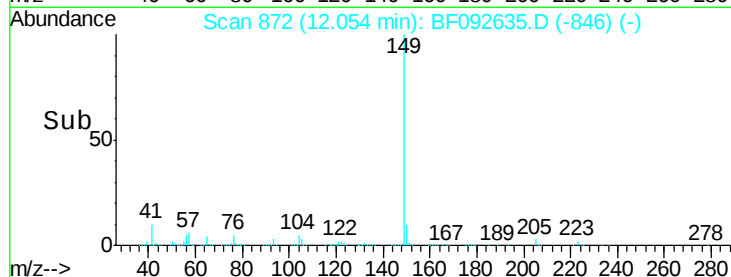
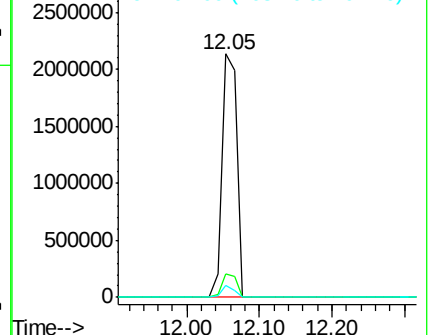
104 4.9 4.6 7.0



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

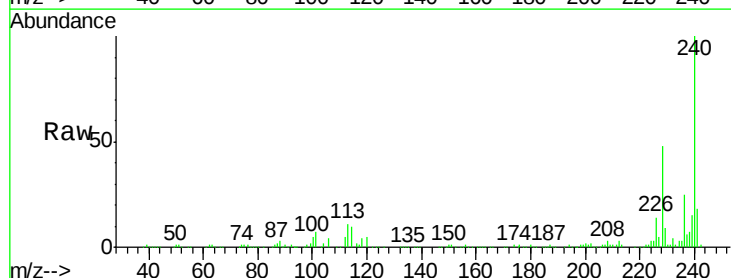
Tgt Ion:240 Resp: 289802

Ion Ratio Lower Upper

240 100

120 5.1 12.9 19.3#

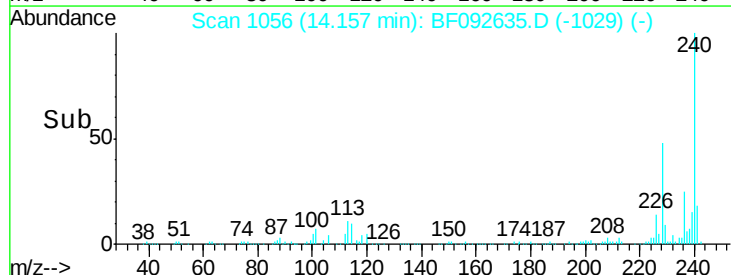
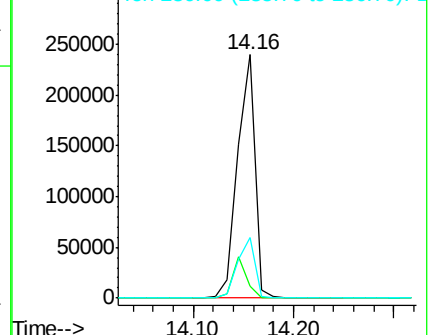
236 25.1 20.9 31.3

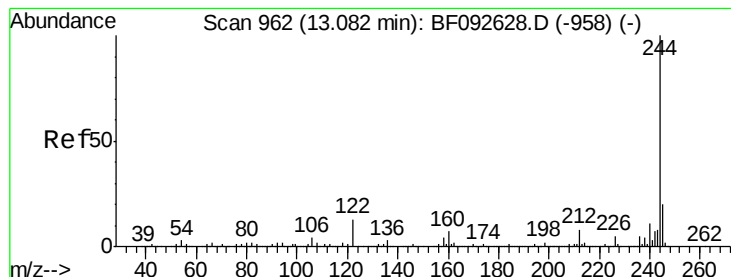


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

0036

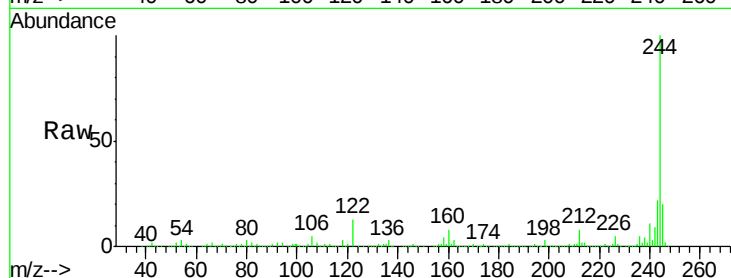
Tgt Ion:244 Resp: 1617064

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

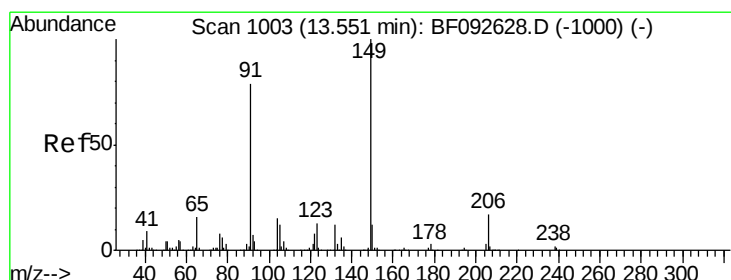
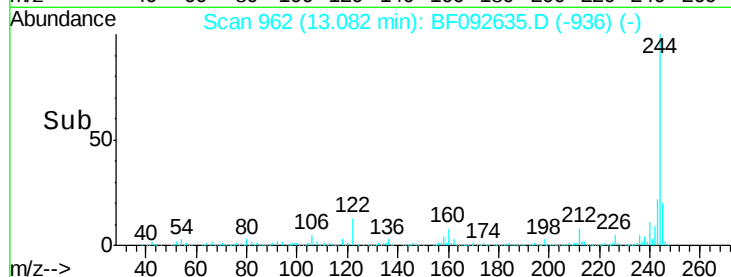
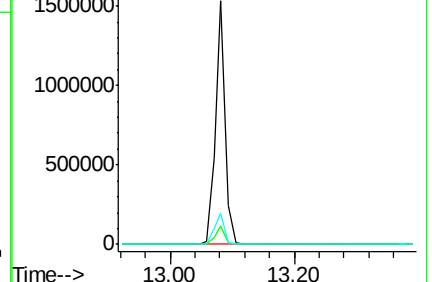
122 12.9 11.4 17.2



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

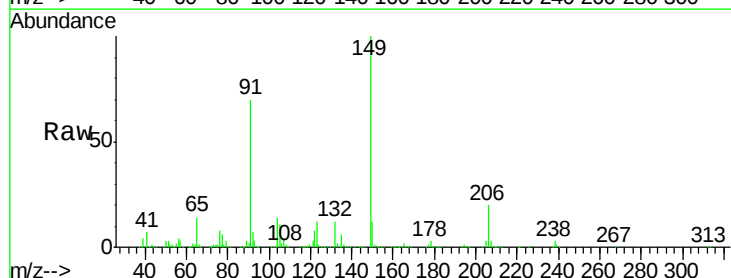
Tgt Ion:149 Resp: 1819510

Ion Ratio Lower Upper

149 100

91 70.5 63.9 95.9

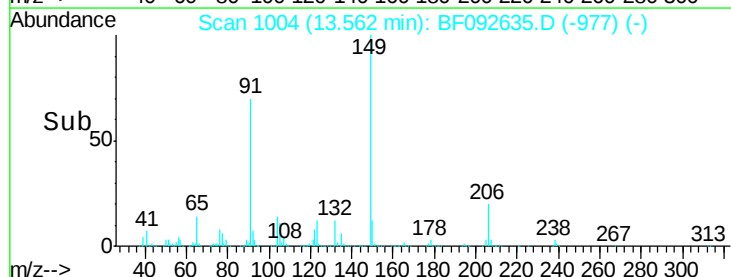
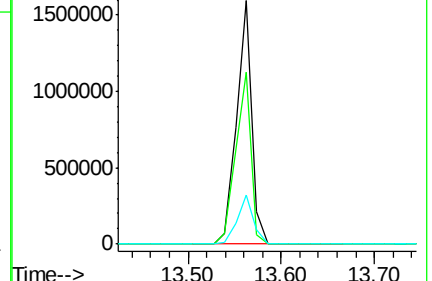
206 20.2 14.6 21.8

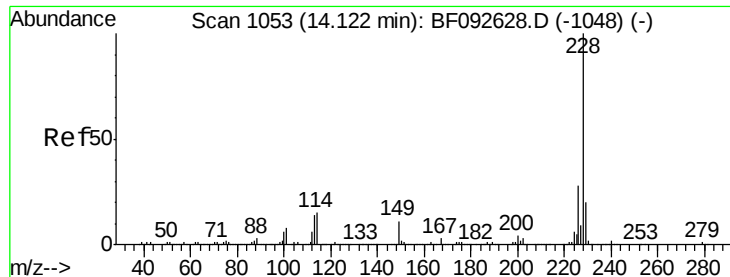


Abundance Ion 149.00 (148.70 to 149.70): E

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

Instrument :

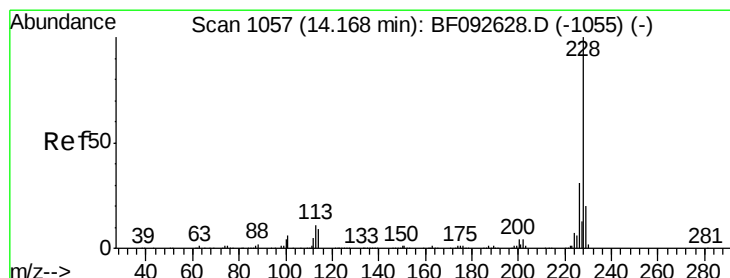
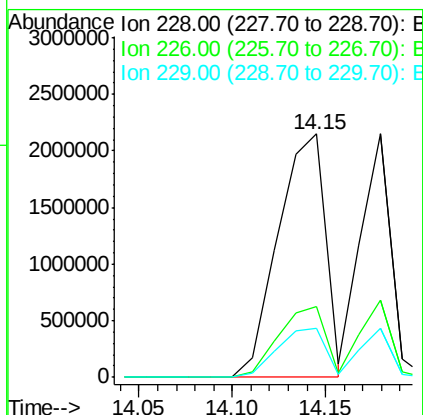
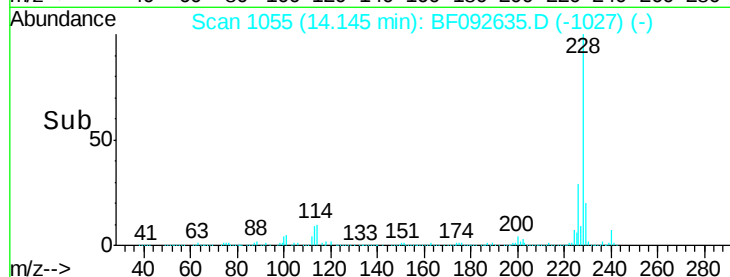
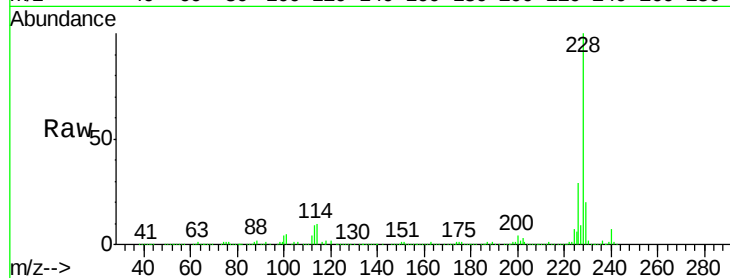
BNA_F

ClientSampleId :

0036

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



#82

Chrysene

Concen: 146.92 ng

RT: 14.18 min Scan# 1058

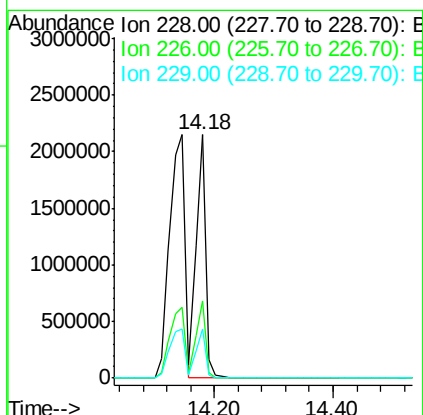
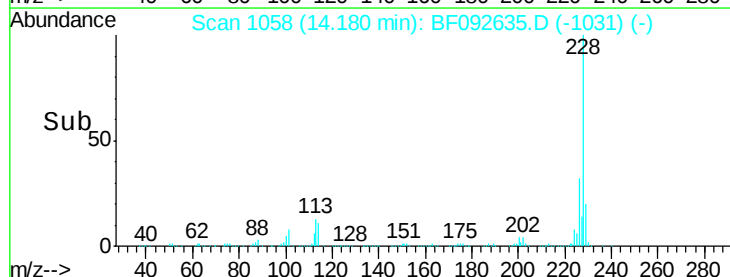
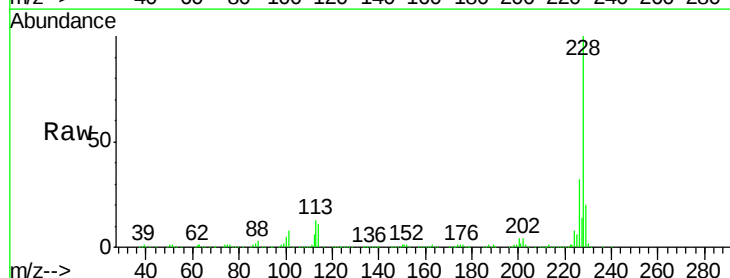
Delta R.T. 0.01 min

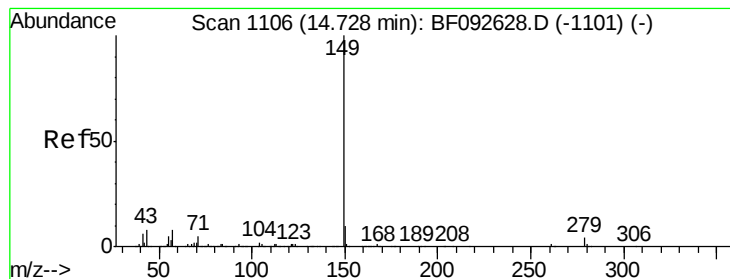
Lab File: BF092635.D

Acq: 30 Jan 2017 15:55

Tgt Ion:228 Resp: 2438241

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.0
229	20.3	16.2	24.2





#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

Instrument :

BNA_F

ClientSampleId :

0036

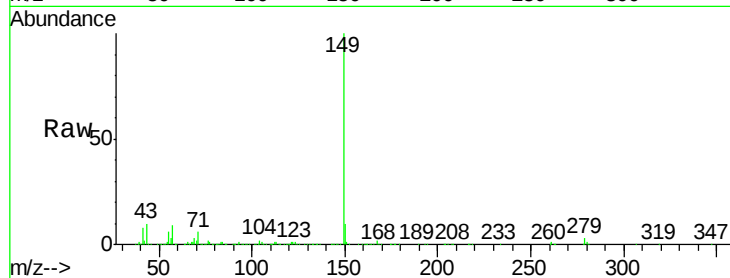
Tgt Ion:149 Resp: 2935747

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

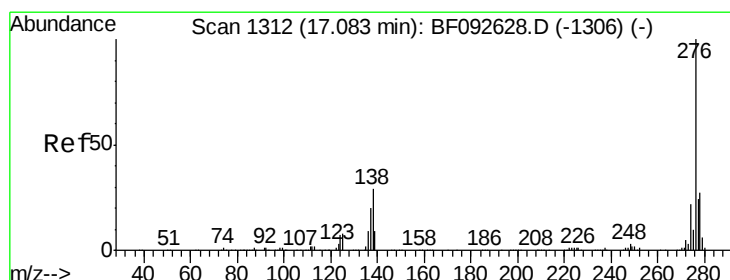
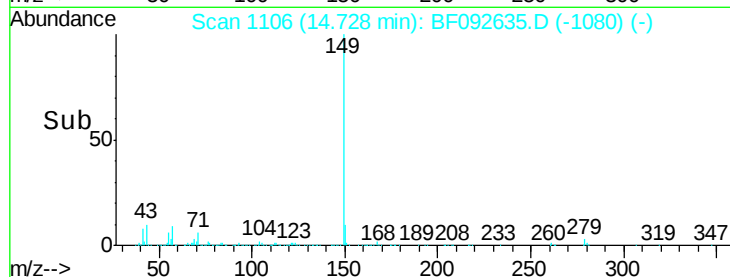
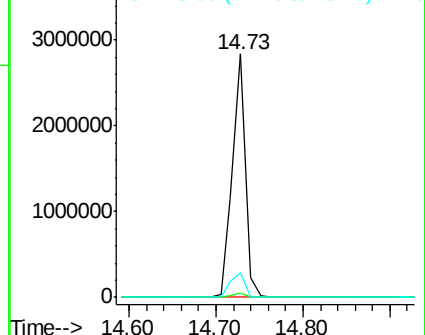
43 11.5 8.9 13.3



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

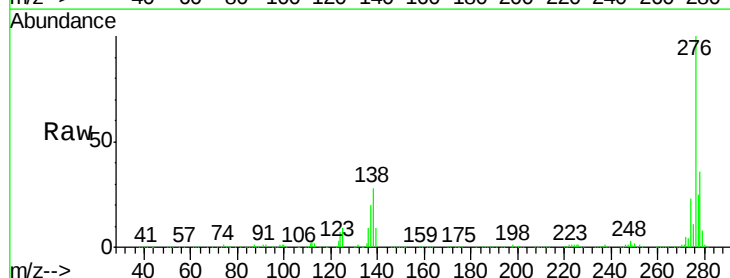
Tgt Ion:276 Resp: 2238201

Ion Ratio Lower Upper

276 100

138 29.7 21.8 32.6

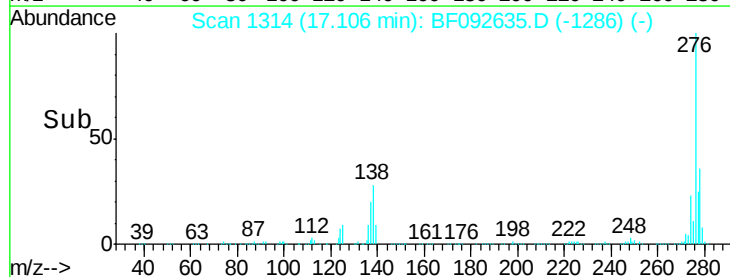
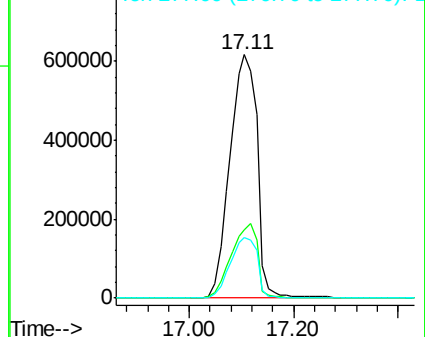
277 25.0 20.2 30.4

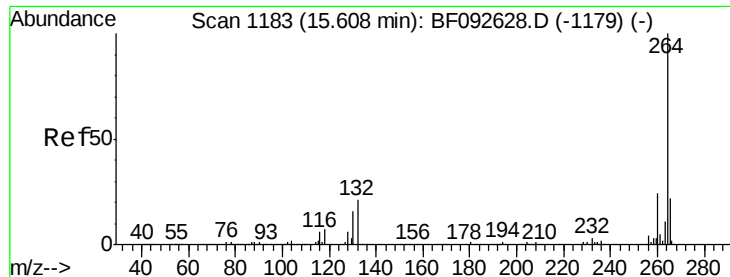


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

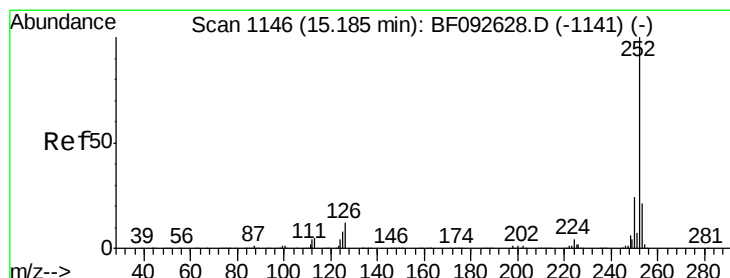
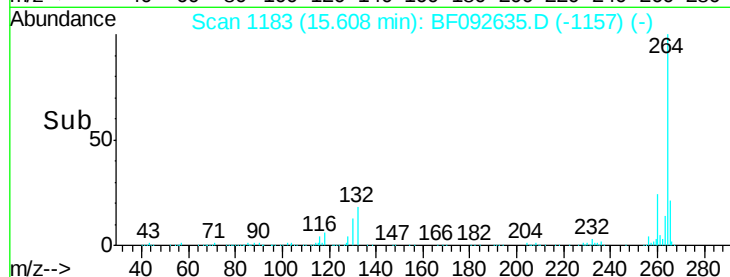
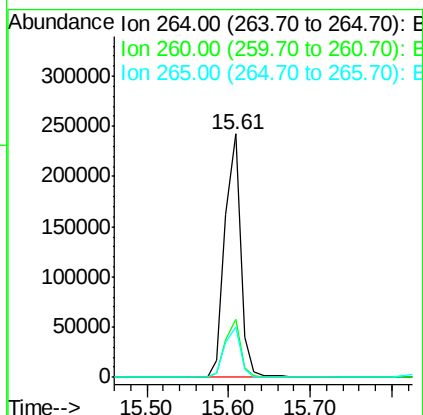
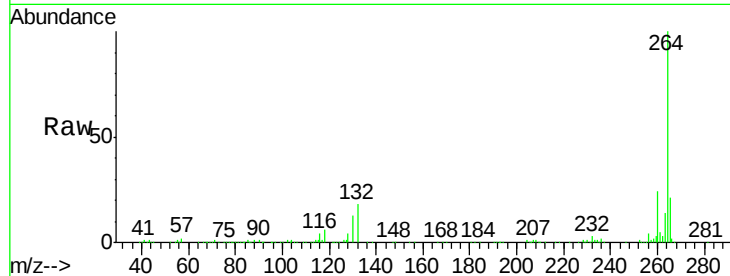




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

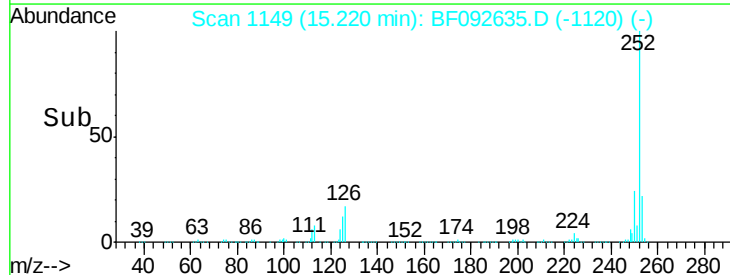
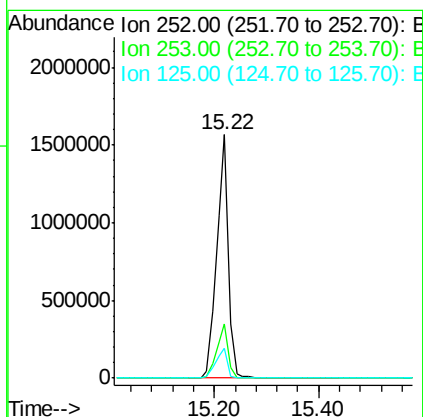
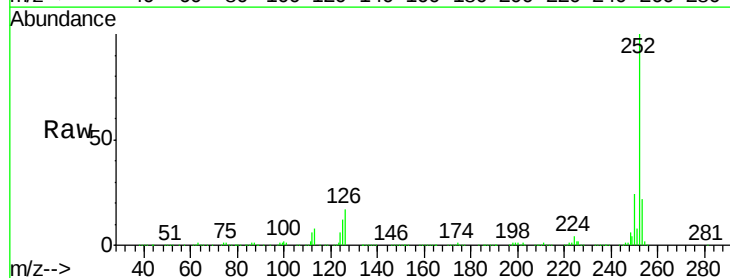
Instrument :
BNA_F
ClientSampleId :
0036

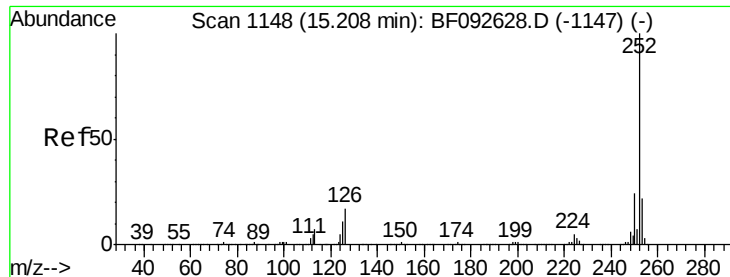
Tgt Ion:264 Resp: 325157
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 20.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 113.11 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.03 min
Lab File: BF092635.D
Acq: 30 Jan 2017 15:55

Tgt Ion:252 Resp: 2420838
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 12.1 9.8 14.6





#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

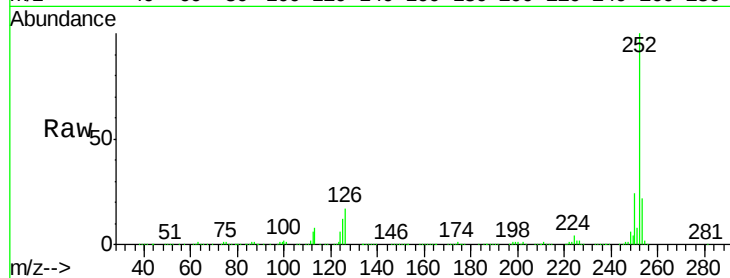
Tgt Ion:252 Resp: 2421442

Ion Ratio Lower Upper

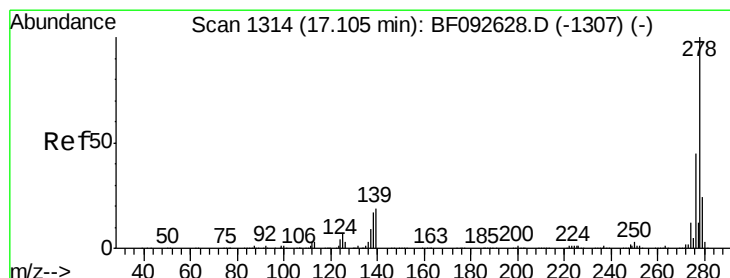
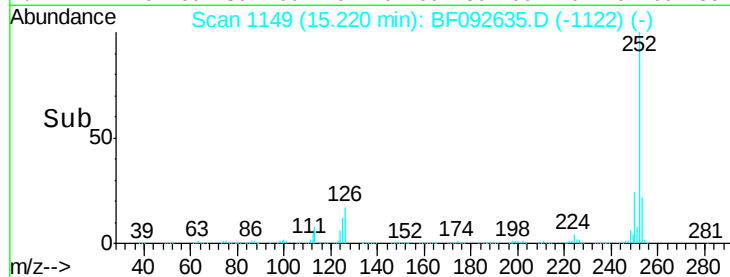
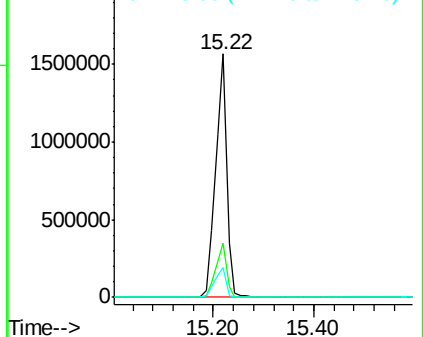
252 100

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

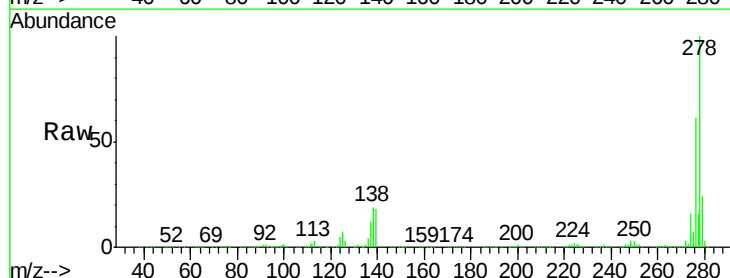
Tgt Ion:278 Resp: 1242670

Ion Ratio Lower Upper

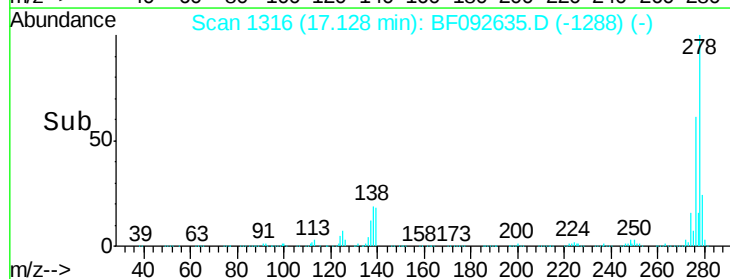
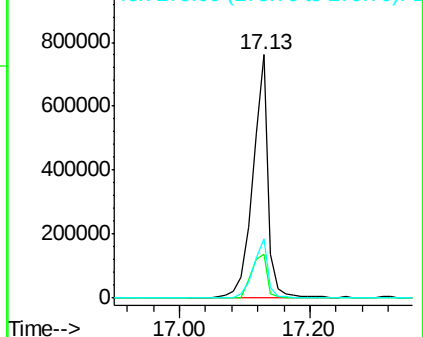
278 100

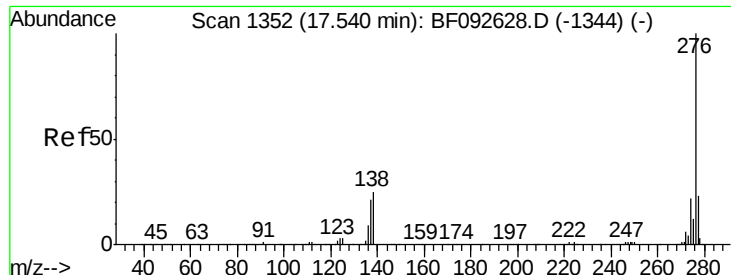
139 18.2 14.8 22.2

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(g,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

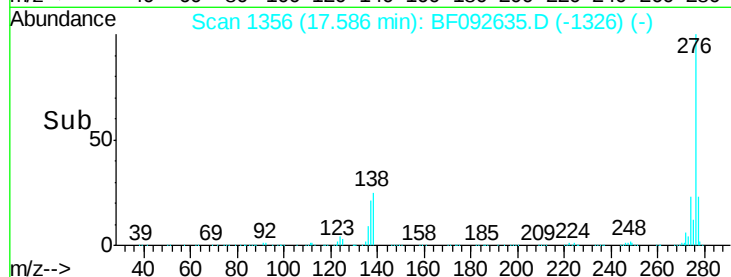
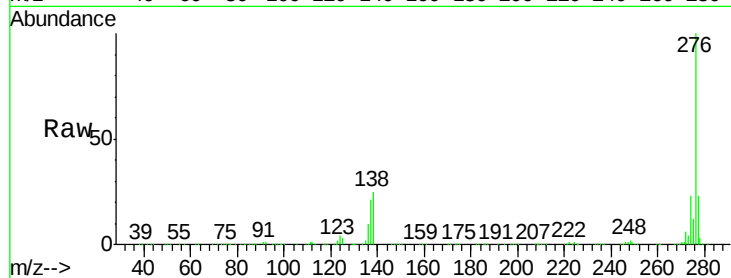
Tgt Ion:276 Resp: 2829371

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

