

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020717\
 Data File : BF092844.D
 Acq On : 7 Feb 2017 22:35
 Operator : SJ/MA
 Sample : I1728-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Quant Time: Feb 07 23:53:45 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	6.91	152	145950	20.00	ng	-0.06
21) Naphthalene-d8	8.19	136	577419	20.00	ng	-0.07
38) Acenaphthene-d10	9.95	164	311360	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	377149	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	241923	20.00	ng	-0.03
86) Perylene-d12	15.55	264	294051	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	968355	113.83	ng	-0.06
7) Phenol-d6	6.54	99	1190003	108.72	ng	-0.06
23) Nitrobenzene-d5	7.47	82	690107	66.56	ng	-0.07
41) 2,4,6-Tribromophenol	10.75	330	218231	96.91	ng	-0.06
44) 2-Fluorobiphenyl	9.26	172	1146518	66.71	ng	-0.07
78) Terphenyl-d14	13.02	244	793716	77.09	ng	-0.06

Target Compounds

						Qvalue
10) Phenol	6.56	94	55955	4.37	ng	91
18) Hexachloroethane	7.48	117	16481	4.34	ng	# 5
19) n-Nitroso-di-n-propylamine	7.47	70	91304	13.10	ng	# 82
25) Isophorone	7.47	82	688636	35.64	ng	# 65
31) Naphthalene	8.22	128	3094210	105.71	ng	99
32) Benzoic acid	7.98	122	6047	8.19	ng	# 45
33) 4-Chloroaniline	8.22	127	432072	37.64	ng	# 35
37) 2-Methylnaphthalene	8.91	142	1154930	61.45	ng	97
45) 1,1'-Biphenyl	9.37	154	687660	30.50	ng	98
48) Acenaphthylene	9.81	152	466091	15.30	ng	99
49) Dimethylphthalate	9.66	163	215104	10.26	ng	99
51) Acenaphthene	10.00	154	2627882	144.26	ng	98
53) 2,4-Dinitrophenol	10.06	184	245	4.83	ng	# 1
54) Dibenzofuran	10.17	168	3140189	128.88	ng	93
55) 4-Nitrophenol	10.17	139	1131055	302.98	ng	# 5
57) Fluorene	10.51	166	3229229	172.27	ng	97
61) 4-Nitroaniline	10.51	138	34707	6.54	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.57	198	4042	4.33	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	118658	9.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	14754	3.74	ng	# 1
69) Pentachlorophenol	11.26	266	1869	8.05	ng	96
70) Phenanthrene	11.49	178	9169447	424.36	ng	98
71) Anthracene	11.49	178	9169447	422.58	ng	98
72) Carbazole	11.68	167	817892	39.43	ng	98
74) Fluoranthene	12.69	202	10339503	463.91	ng	95
77) Pyrene	12.93	202	8083887	446.51	ng	97
80) Benzo(a)anthracene	14.10	228	4215515	284.90	ng	95
82) Chrysene	14.15	228	4124919	297.75	ng	97
83) Bis(2-ethylhexyl)phthalate	14.07	149	27086	2.69	ng	# 75
85) Indeno(1,2,3-cd)pyrene	17.00	276	636595	59.32	ng	96
87) Benzo(b)fluoranthene	15.15	252	5027363	259.75	ng	99
88) Benzo(k)fluoranthene	15.15	252	5011975	299.92	ng	98
89) Benzo(a)pyrene	15.51	252	1741335	104.01	ng	99
90) Dibenzo(a,h)anthracene	17.00	278	222391	16.44	ng	98

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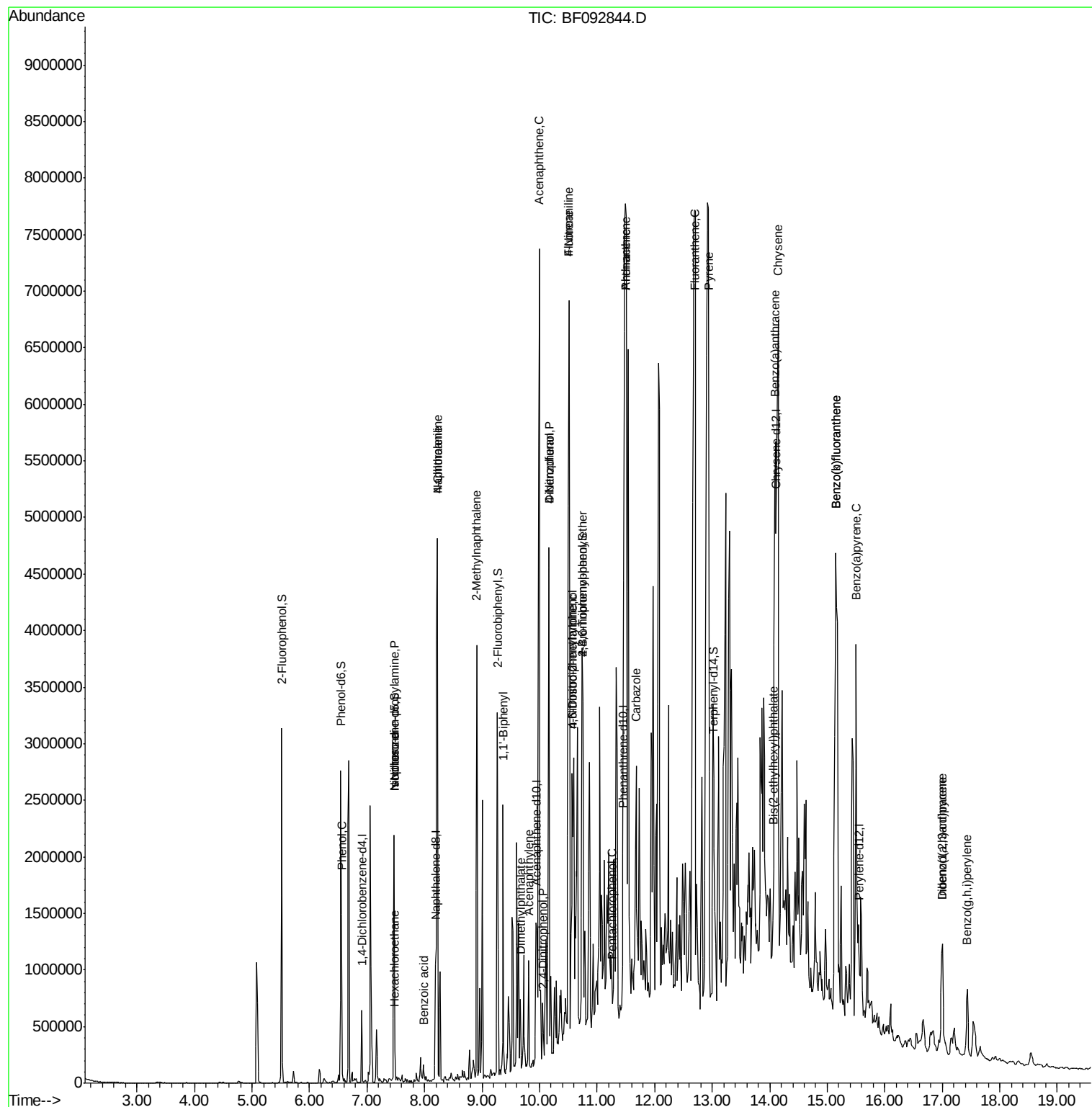
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	17.44	276	473605	34.65	ng	# 94

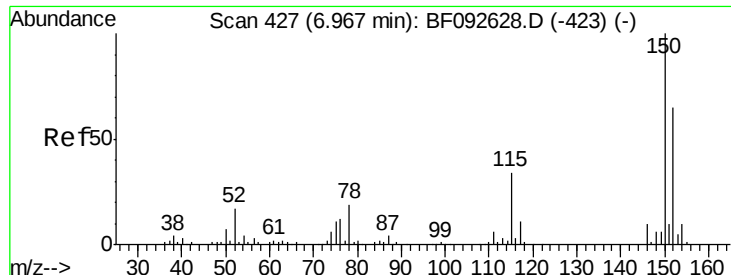
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

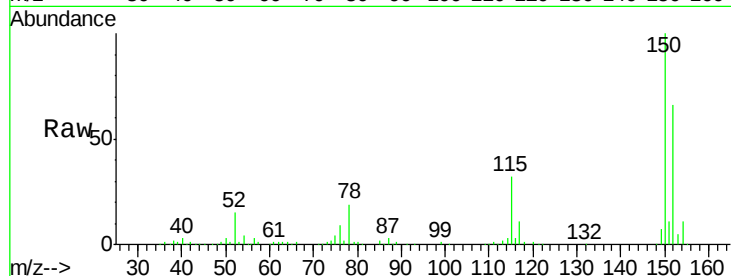
Tgt Ion:152 Resp: 145950

Ion Ratio Lower Upper

152 100

150 152.0 124.9 187.3

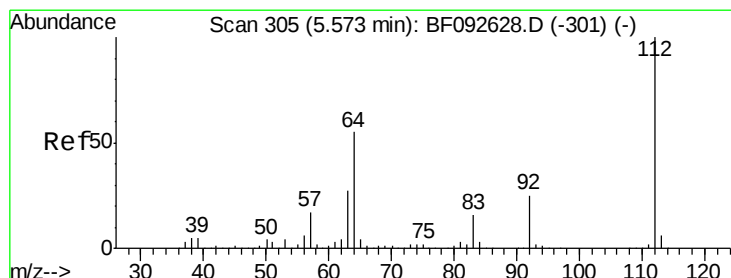
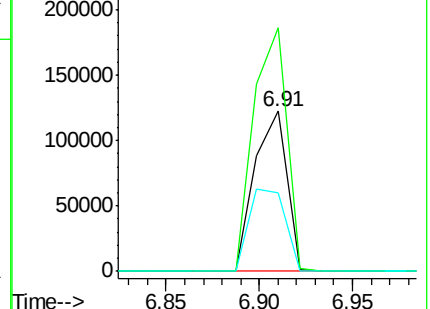
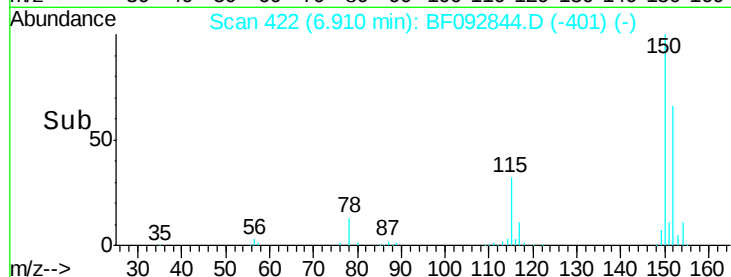
115 49.1 46.0 69.0



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



#5

2-Fluorophenol

Concen: 113.83 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

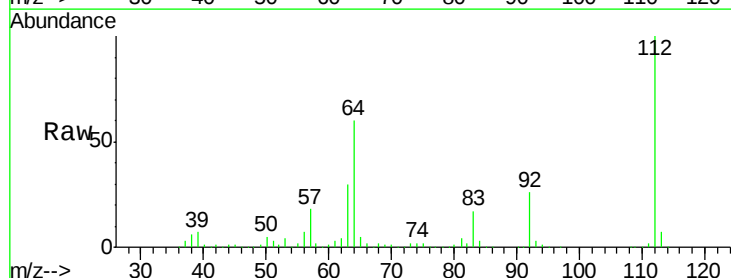
Tgt Ion:112 Resp: 968355

Ion Ratio Lower Upper

112 100

64 60.0 46.1 69.1

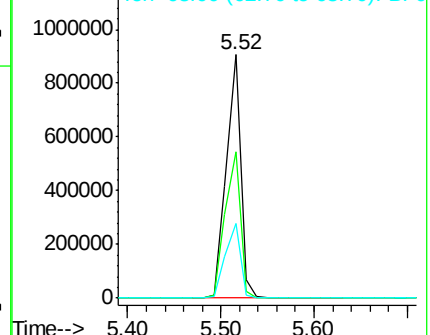
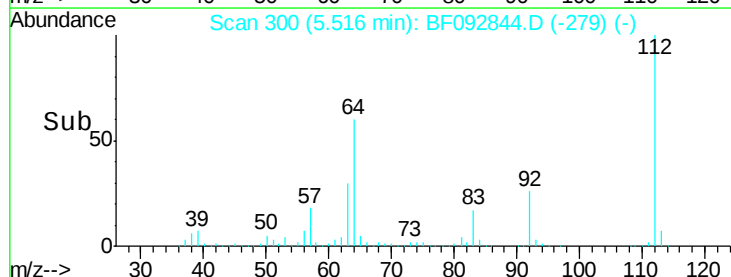
63 30.4 23.8 35.6

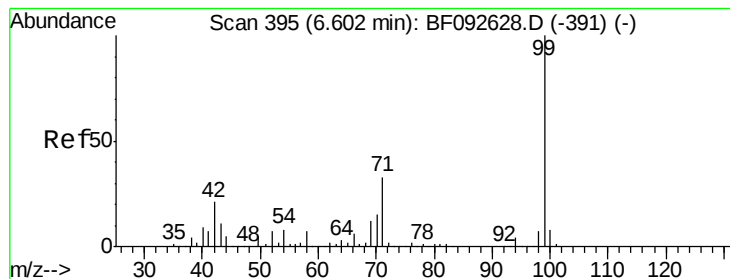


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.72 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

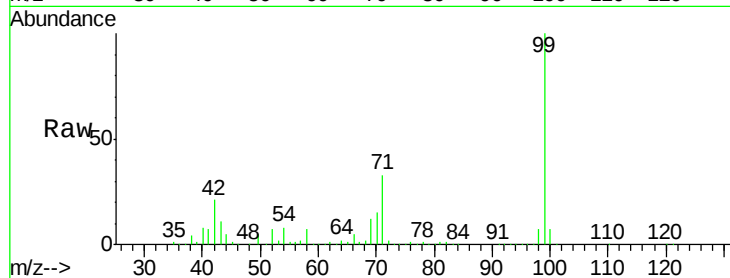
Tgt Ion: 99 Resp: 1190003

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

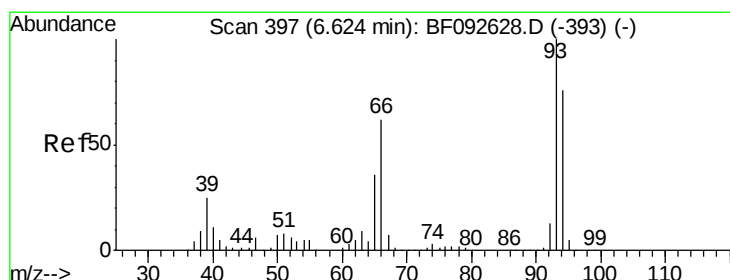
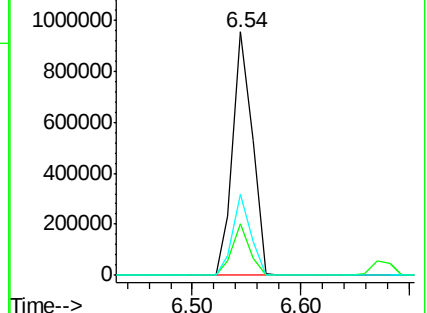
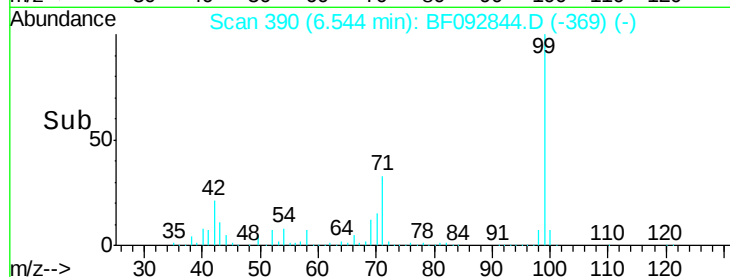
71 33.2 27.5 41.3



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



#10

Phenol

Concen: 4.37 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.07 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

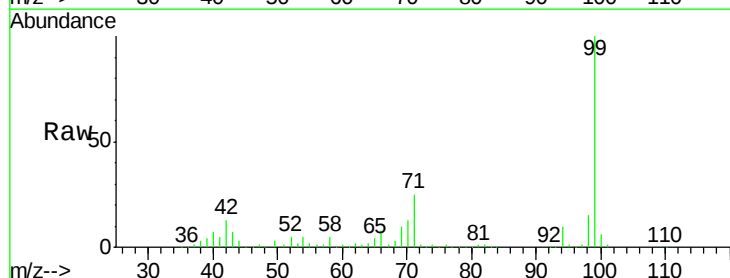
Tgt Ion: 94 Resp: 55955

Ion Ratio Lower Upper

94 100

65 40.5 21.4 61.4

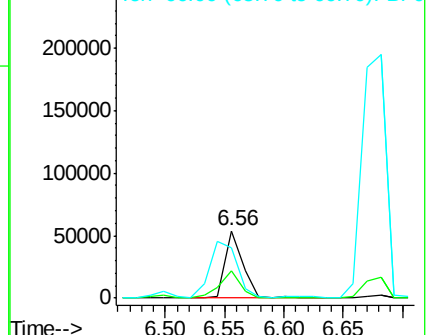
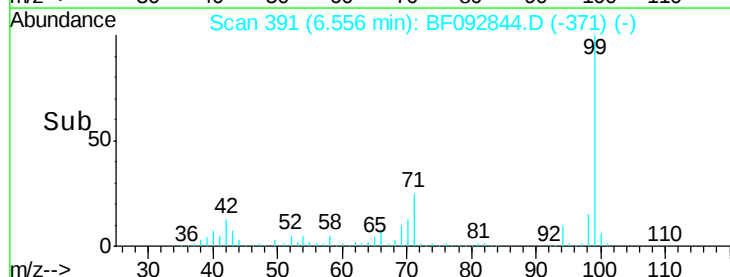
66 74.8 44.0 84.0

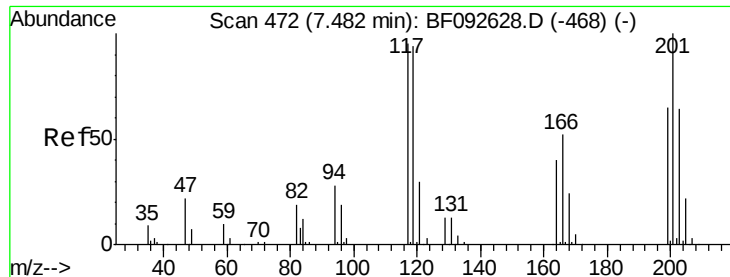


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

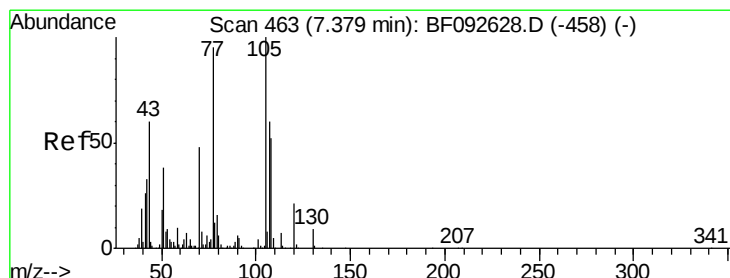
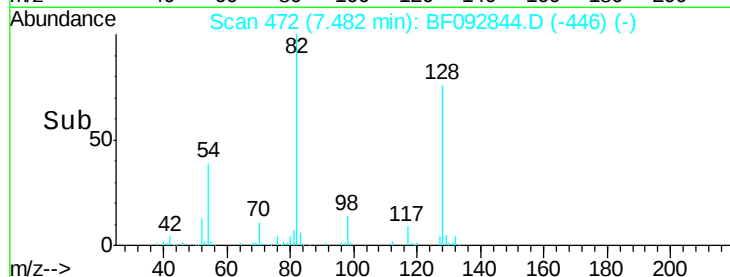
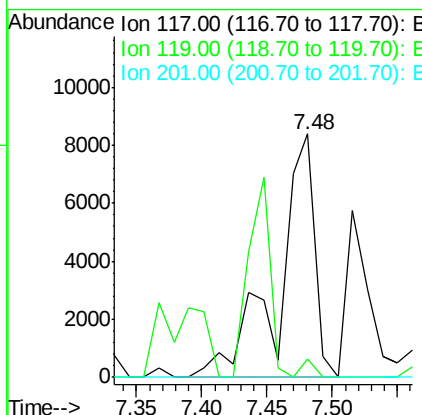
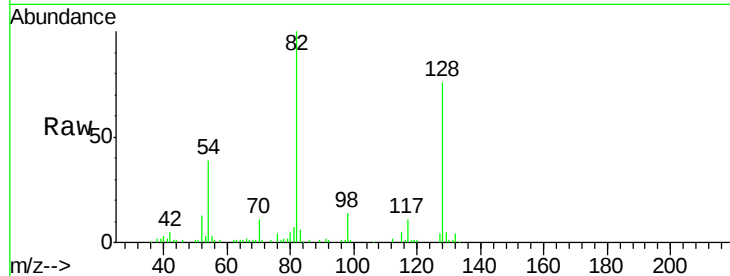




#18
Hexachloroethane
Concen: 4.34 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

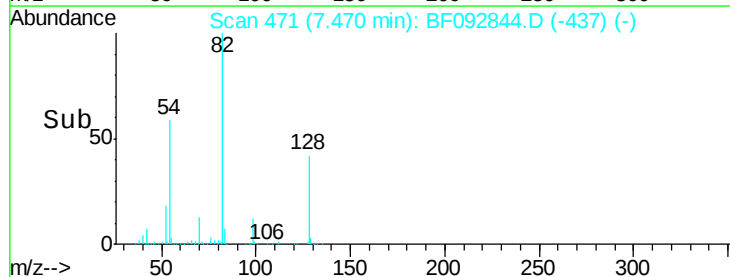
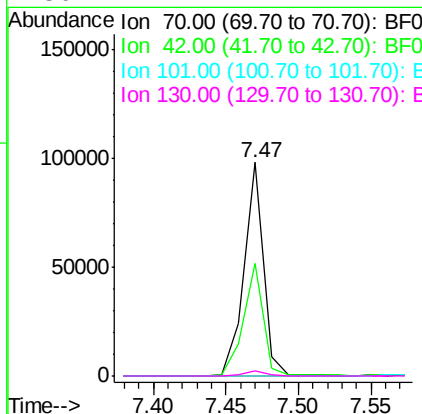
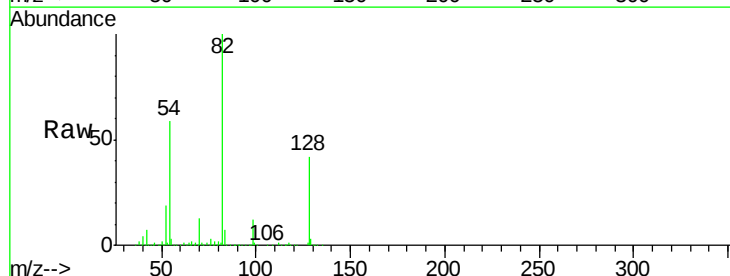
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

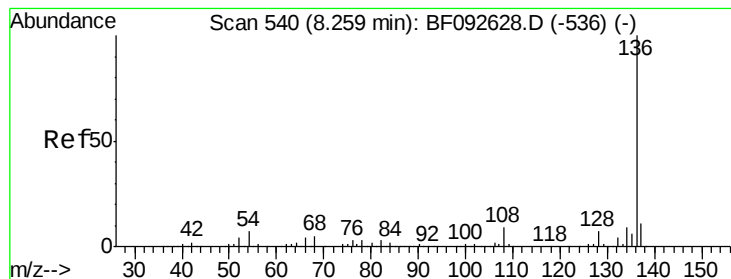
Tgt Ion: 117 Resp: 16481
Ion Ratio Lower Upper
117 100
119 7.6 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.10 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.09 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion: 70 Resp: 91304
Ion Ratio Lower Upper
70 100
42 52.8 49.4 74.0
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.07 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

Tgt Ion: 136 Resp: 577419

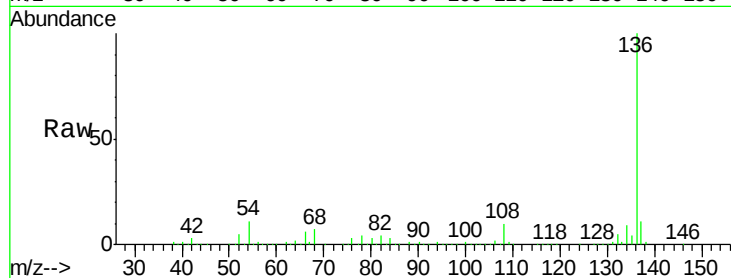
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.3 4.5 6.7#

68 7.4 3.6 5.4#

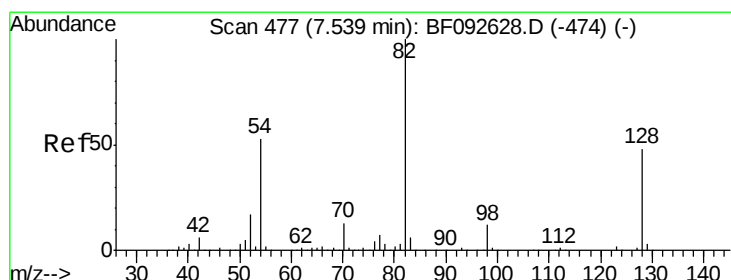
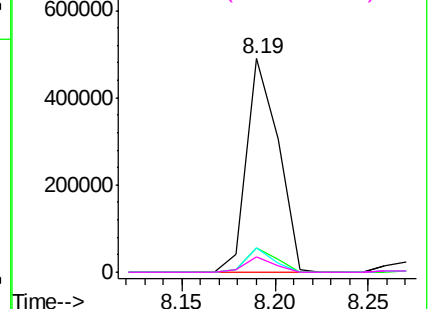
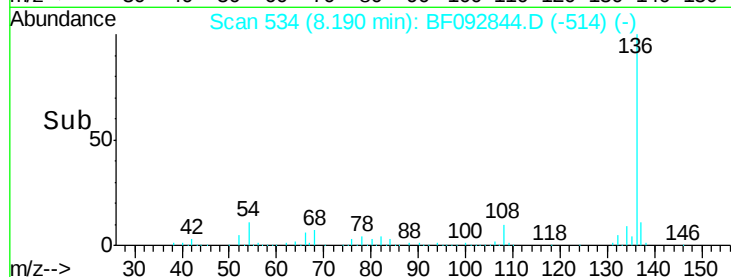


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.56 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.07 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

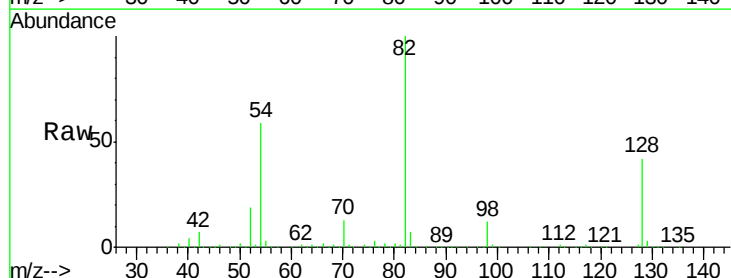
Tgt Ion: 82 Resp: 690107

Ion Ratio Lower Upper

82 100

128 42.2 34.6 52.0

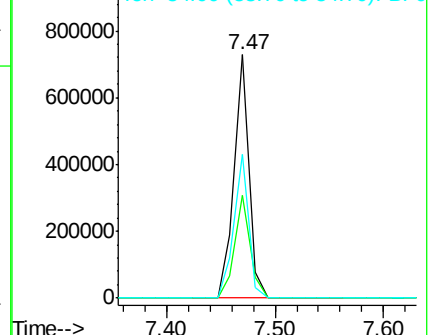
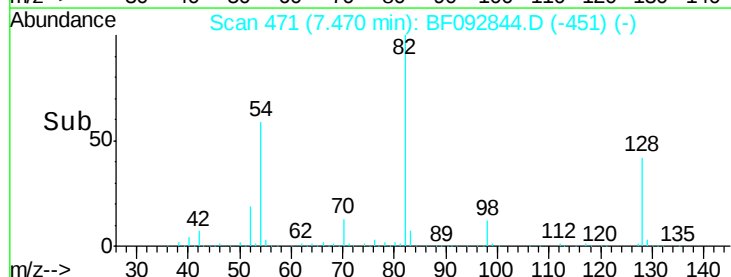
54 59.0 39.5 59.3

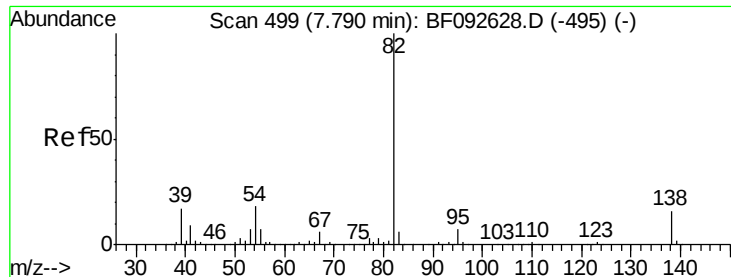


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.64 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.32 min

Lab File: BF092844.D

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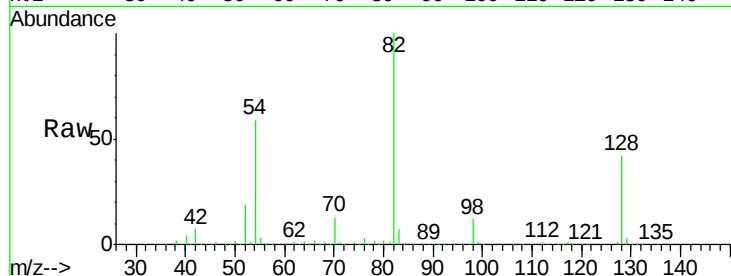
Tgt Ion: 82 Resp: 688636

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

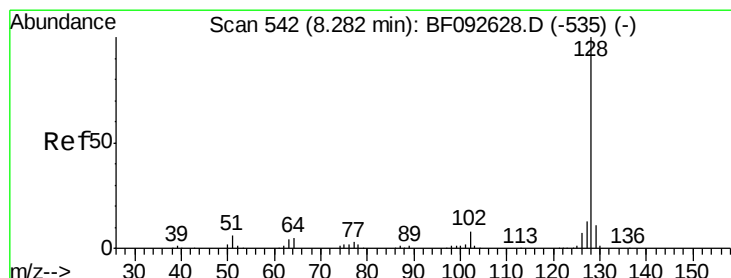
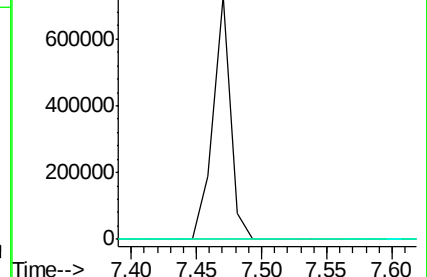
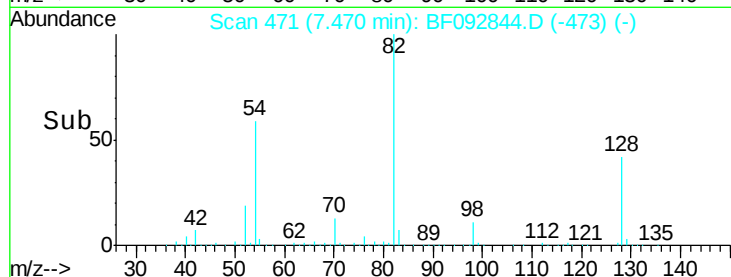
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF092844.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BF092844.D (-473) (-)

Ion 138.00 (137.70 to 138.70): BF092844.D (-473) (-)



#31

Naphthalene

Concen: 105.71 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

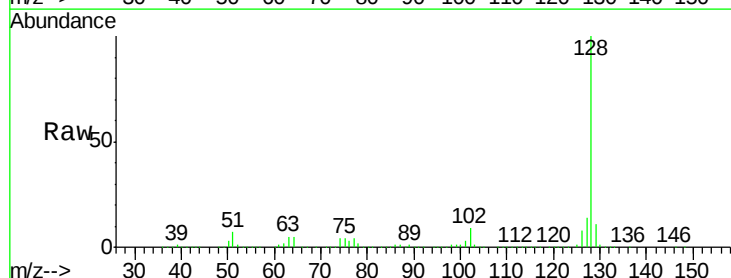
Tgt Ion: 128 Resp: 3094210

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

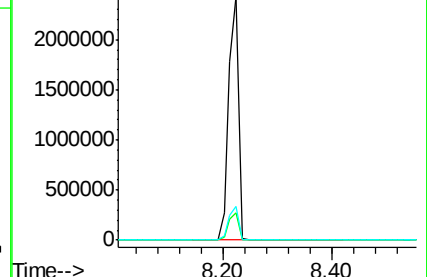
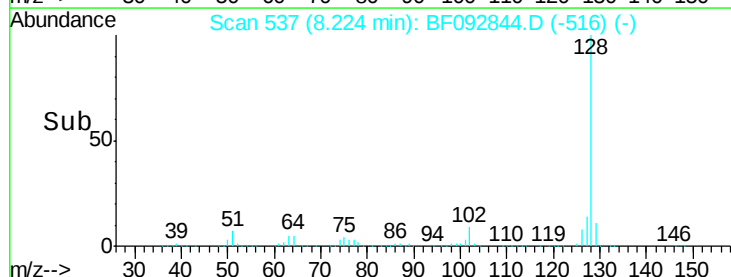
127 14.1 10.8 16.2

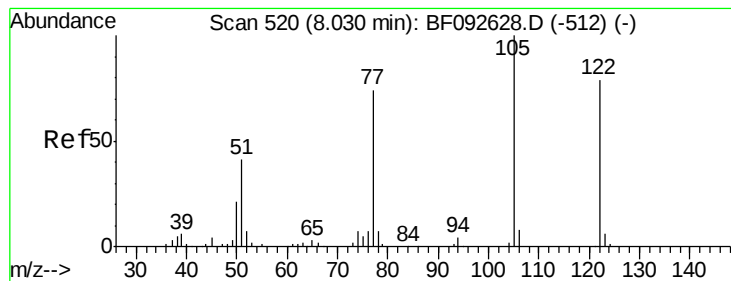


Abundance Ion 128.00 (127.70 to 128.70): BF092844.D (-516) (-)

Ion 129.00 (128.70 to 129.70): BF092844.D (-516) (-)

Ion 127.00 (126.70 to 127.70): BF092844.D (-516) (-)





#32

Benzoic acid

Concen: 8.19 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

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ClientSampleId :

ROLL-OFF-R2-COMP

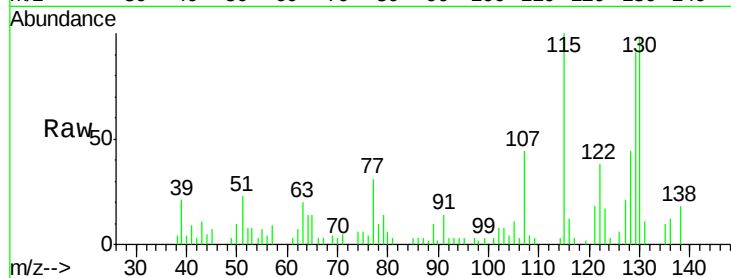
Tgt Ion:122 Resp: 6047

Ion Ratio Lower Upper

122 100

105 28.9 107.2 147.2#

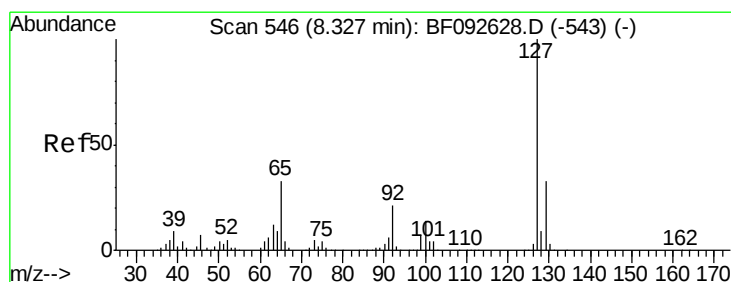
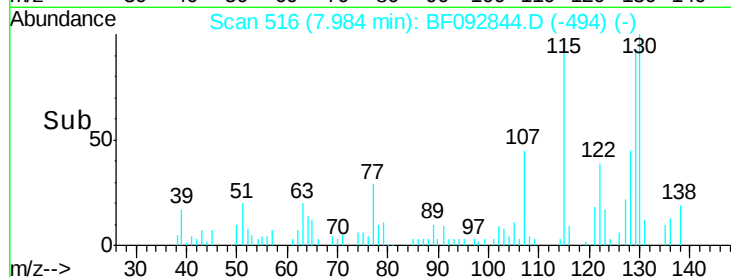
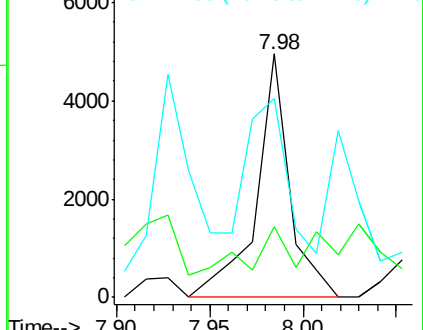
77 81.5 74.5 114.5



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: 37.64 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.10 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Tgt Ion:127 Resp: 432072

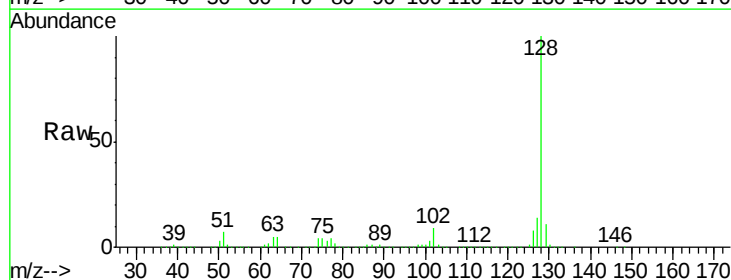
Ion Ratio Lower Upper

127 100

129 80.8 26.3 39.5#

65 0.0 25.8 38.8#

92 0.1 16.1 24.1#

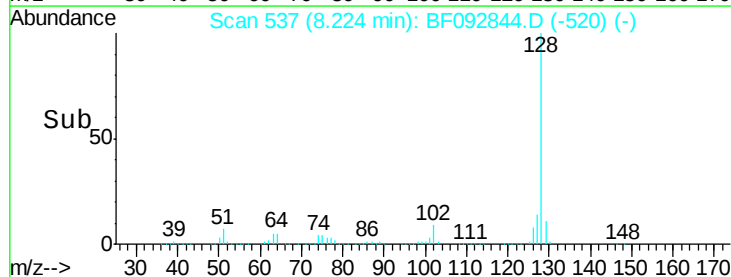
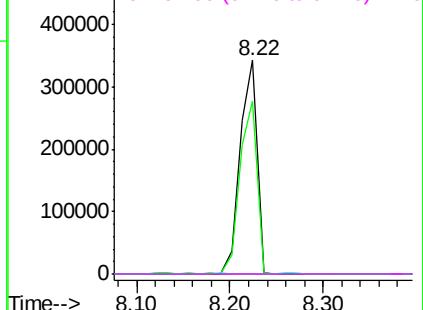


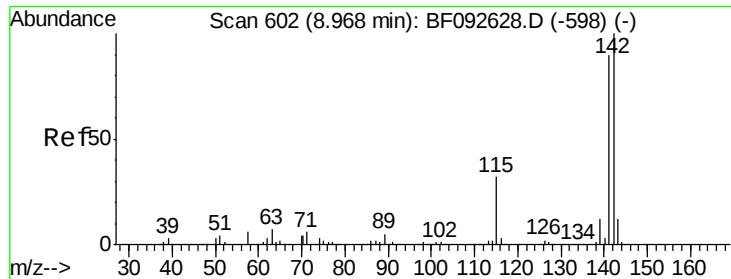
Abundance Ion 127.00 (126.70 to 127.70): E

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

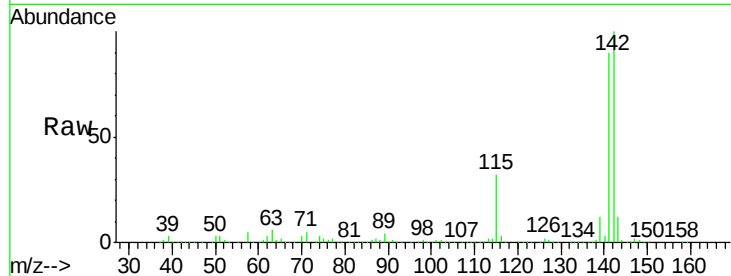




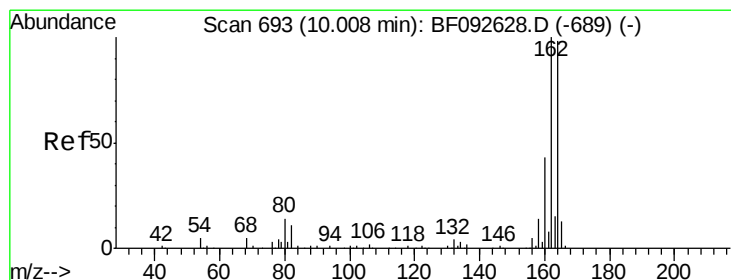
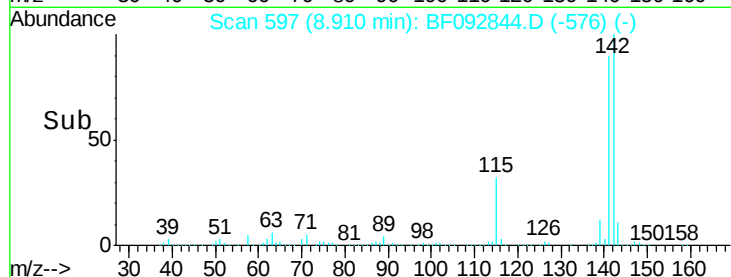
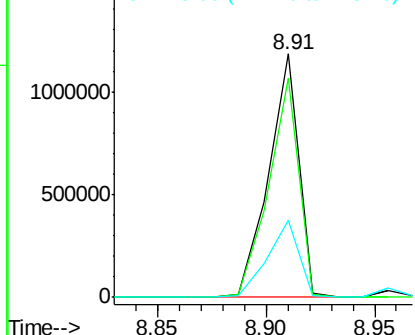
#37
2-Methylnaphthalene
Concen: 61.45 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.06 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tgt Ion:142 Resp: 1154930
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.6
115 31.8 28.3 42.5

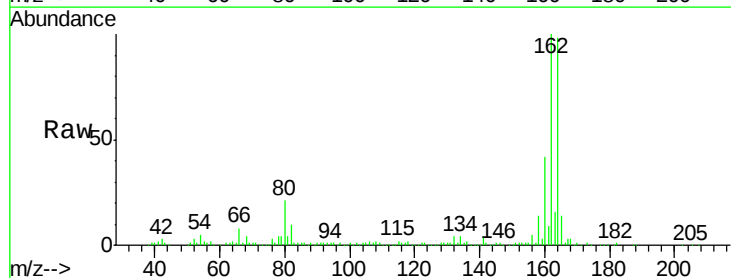


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

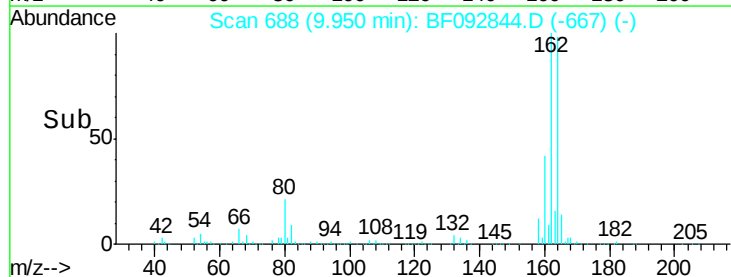
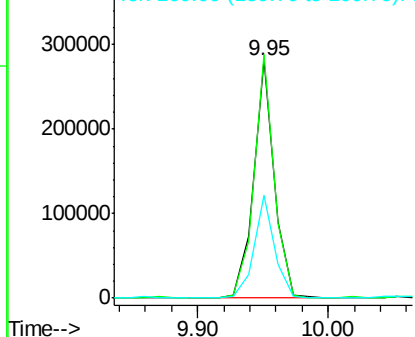


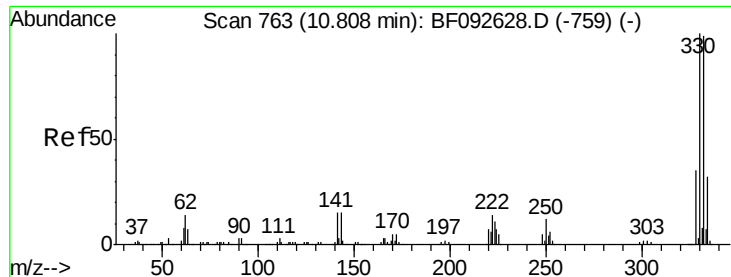
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:164 Resp: 311360
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.3 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

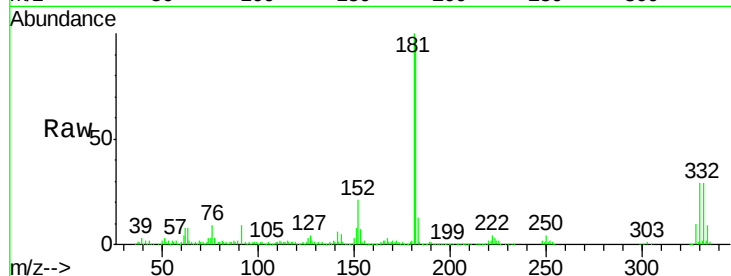




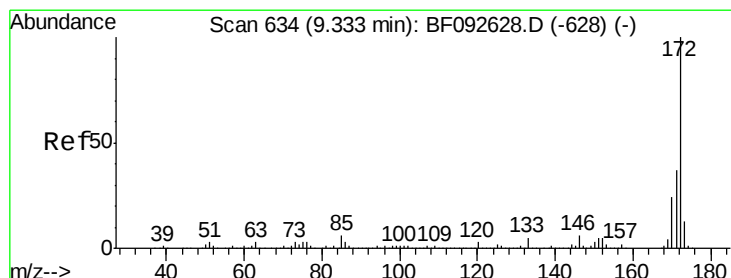
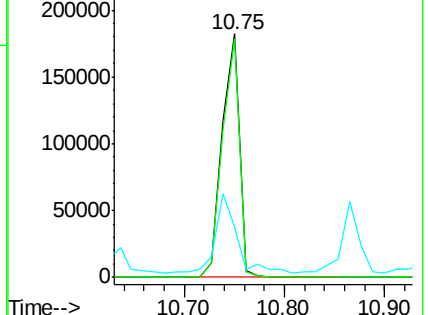
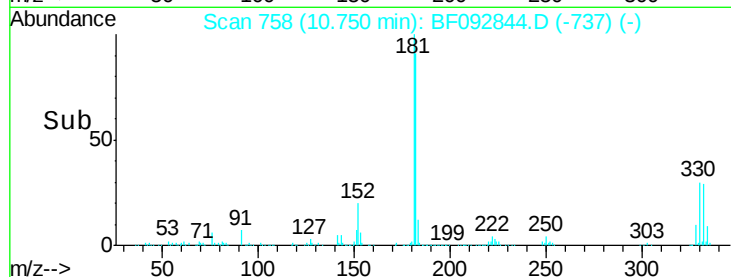
#41
 2,4,6-Tribromophenol
 Concen: 96.91 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.06 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Tgt Ion:330 Resp: 218231
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 39.5 34.1 51.1

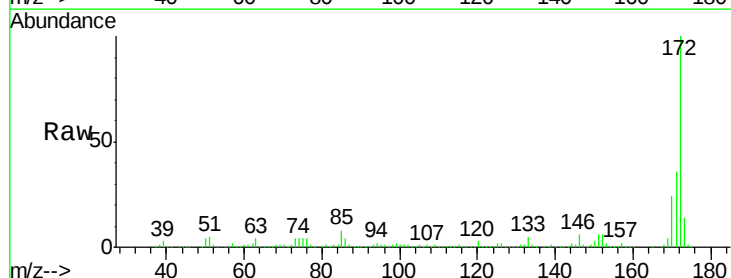


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

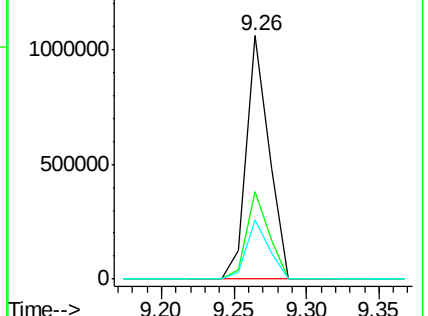
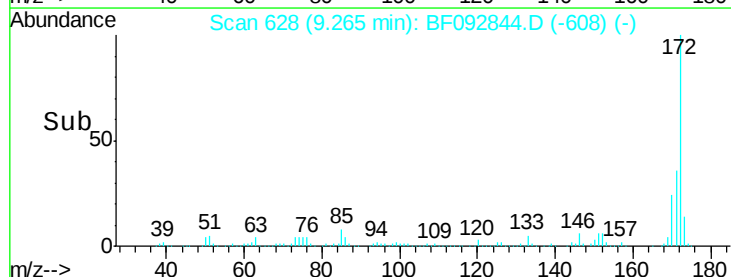


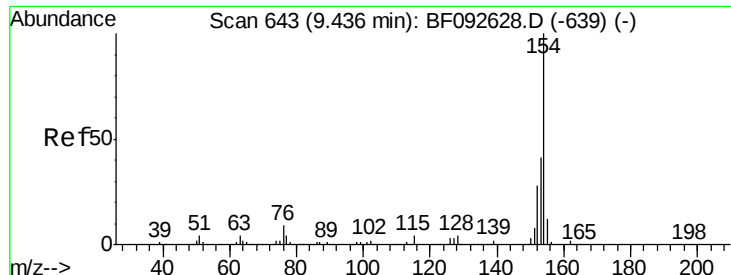
#44
 2-Fluorobiphenyl
 Concen: 66.71 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Tgt Ion:172 Resp: 1146518
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.4 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

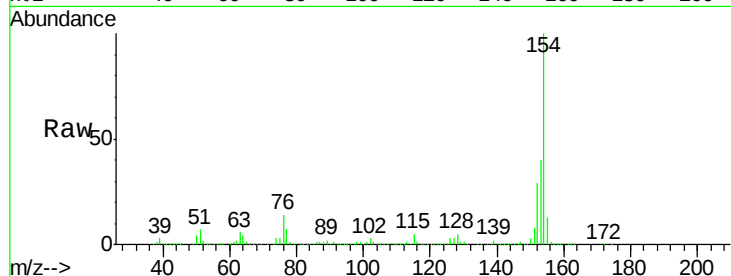




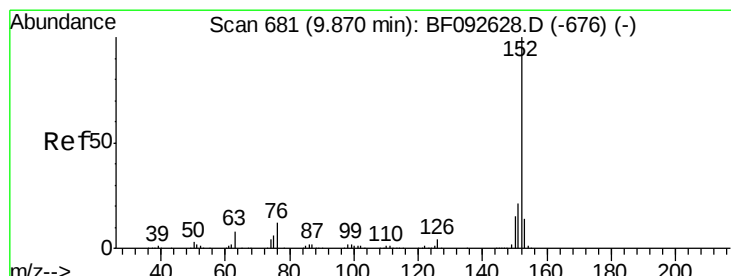
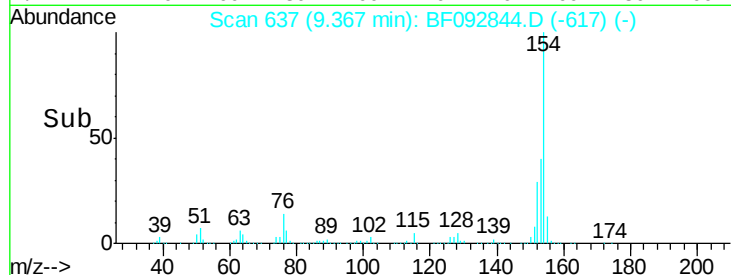
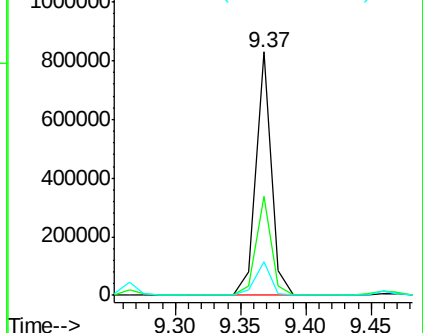
#45
1,1'-Biphenyl
Concen: 30.50 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.07 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tgt Ion:154 Resp: 687660
Ion Ratio Lower Upper
154 100
153 40.4 20.9 60.9
76 13.9 0.0 30.5

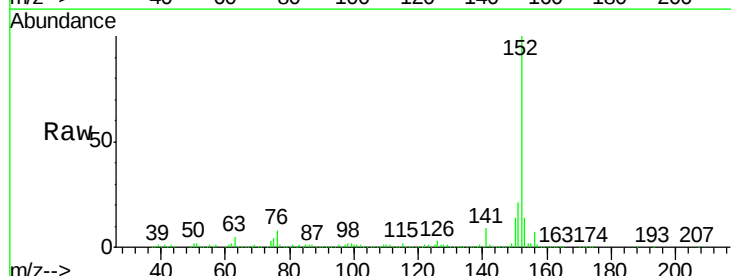


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

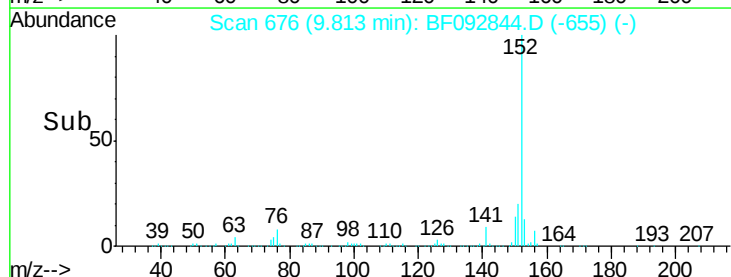
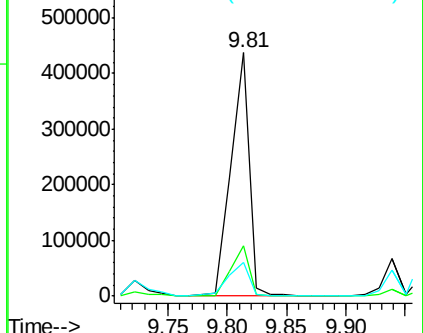


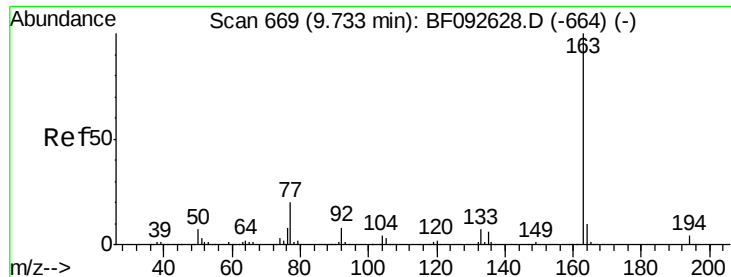
#48
Acenaphthylene
Concen: 15.30 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.06 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:152 Resp: 466091
Ion Ratio Lower Upper
152 100
151 20.6 16.9 25.3
153 13.9 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

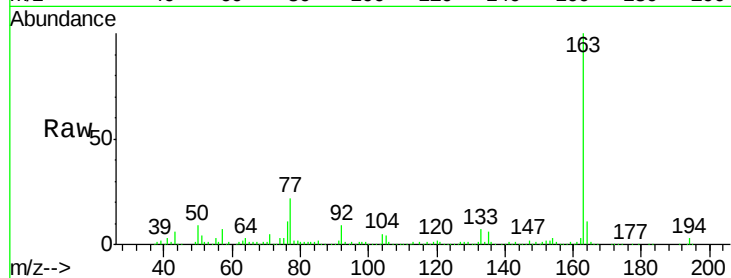




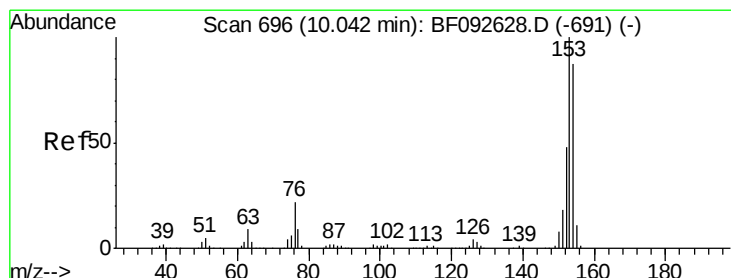
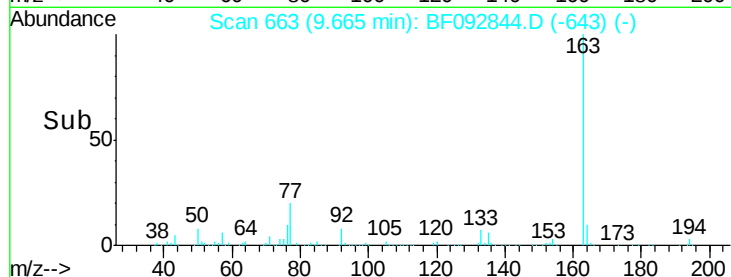
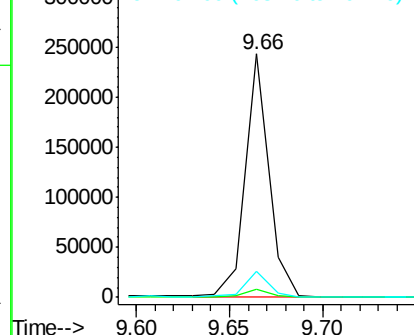
#49
Dimethylphthalate
Concen: 10.26 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tgt Ion:163 Resp: 215104
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.6 8.0 12.0

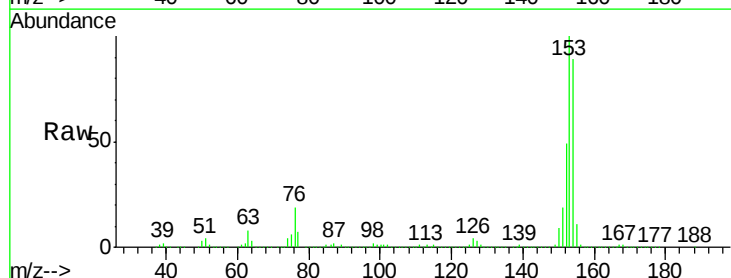


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

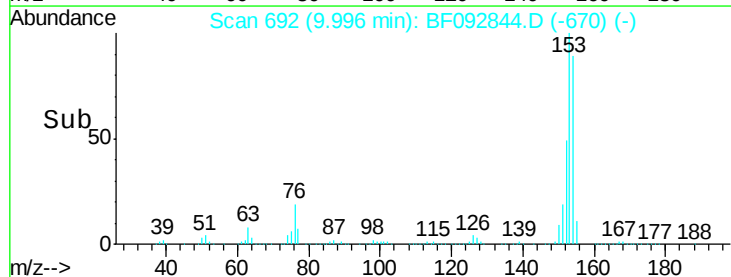
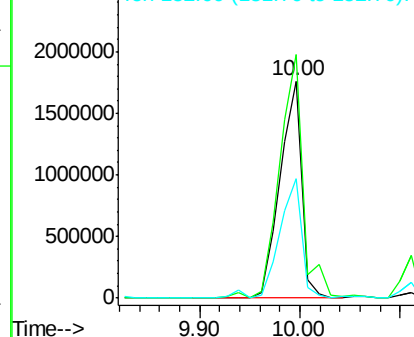


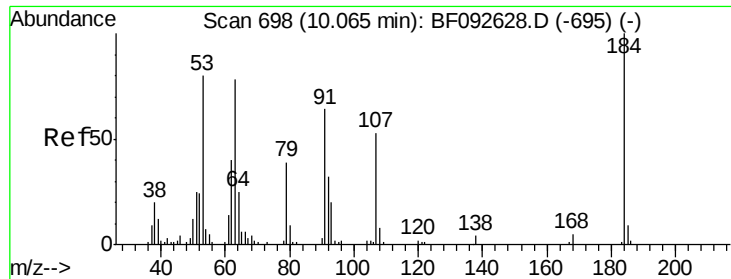
#51
Acenaphthene
Concen: 144.26 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.05 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:154 Resp: 2627882
Ion Ratio Lower Upper
154 100
153 112.2 88.6 133.0
152 55.2 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

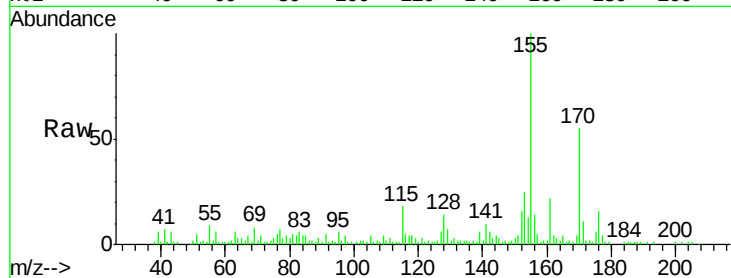




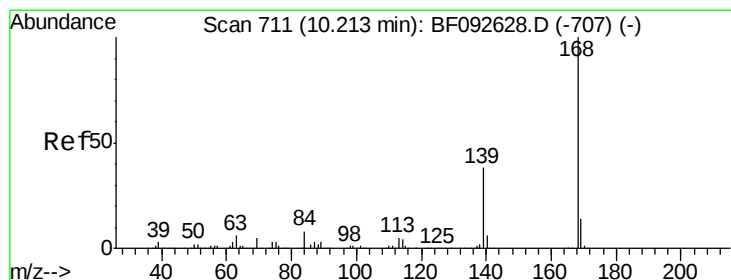
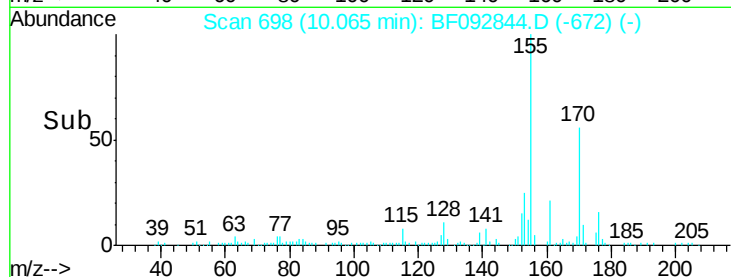
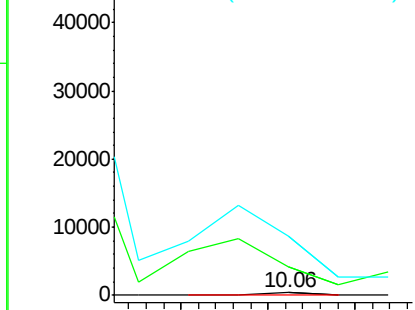
#53
2,4-Dinitrophenol
Concen: 4.83 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tgt Ion:184 Resp: 245
Ion Ratio Lower Upper
184 100
63 1167.6 28.4 42.6#
154 2437.2 44.3 66.5#

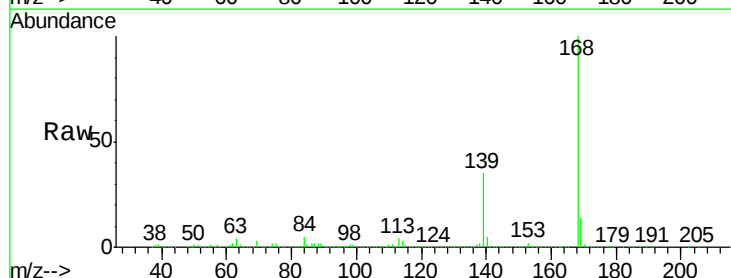


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

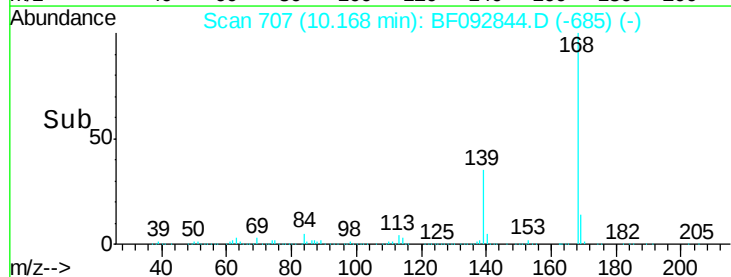
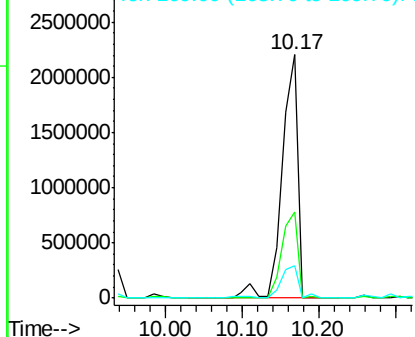


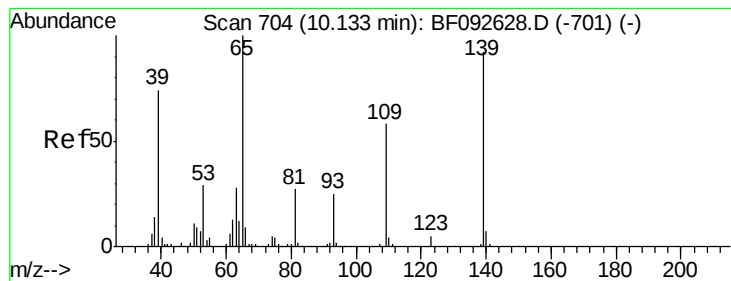
#54
Dibenzofuran
Concen: 128.88 ng
RT: 10.17 min Scan# 707
Delta R.T. -0.05 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:168 Resp: 3140189
Ion Ratio Lower Upper
168 100
139 35.2 32.6 49.0
169 13.6 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 302.98 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.03 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

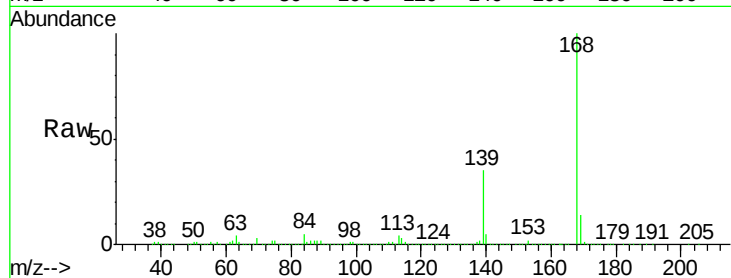
Tgt Ion:139 Resp: 1131055

Ion Ratio Lower Upper

139 100

109 1.0 52.2 92.2#

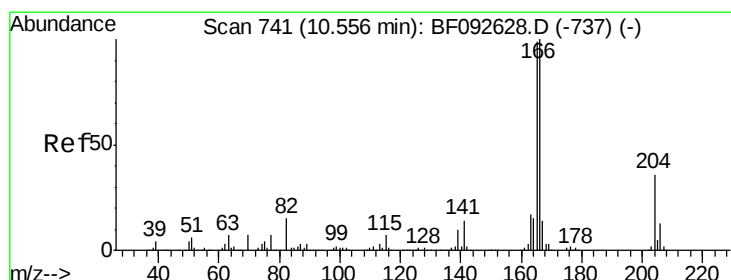
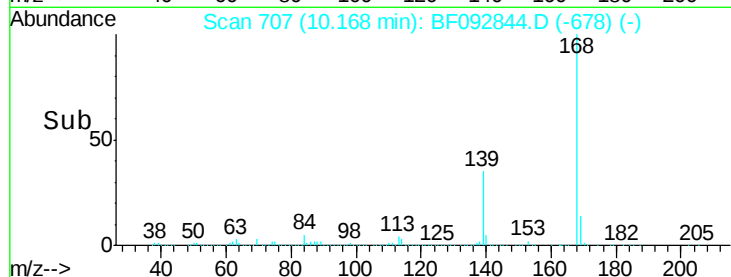
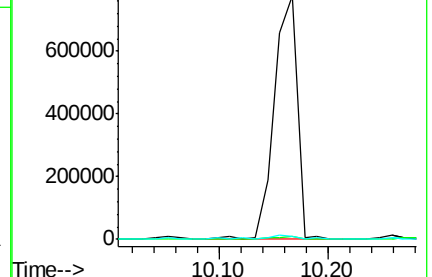
65 1.2 85.8 125.8#



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



#57

Fluorene

Concen: 172.27 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

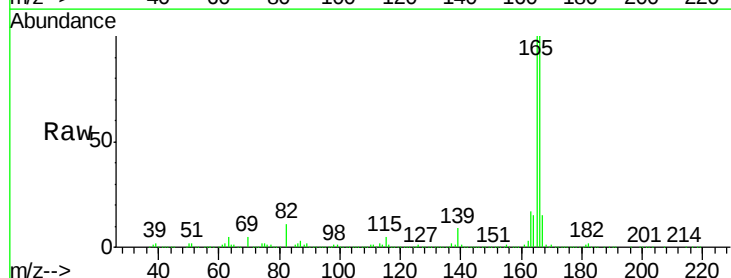
Tgt Ion:166 Resp: 3229229

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.8

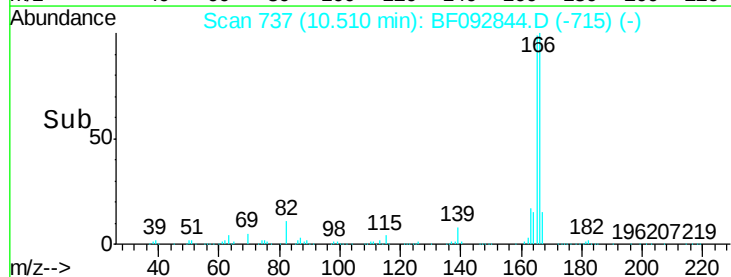
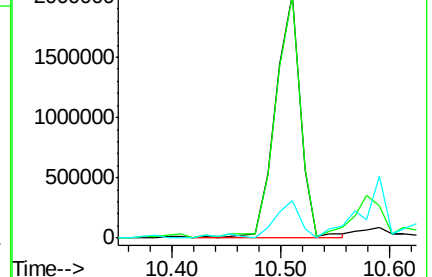
167 15.4 10.8 16.2

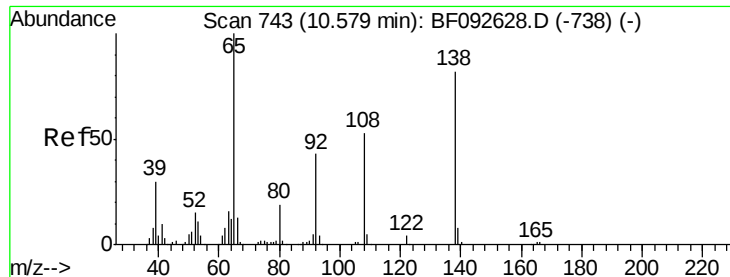


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

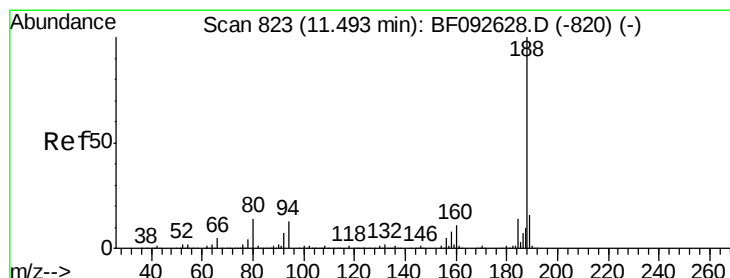
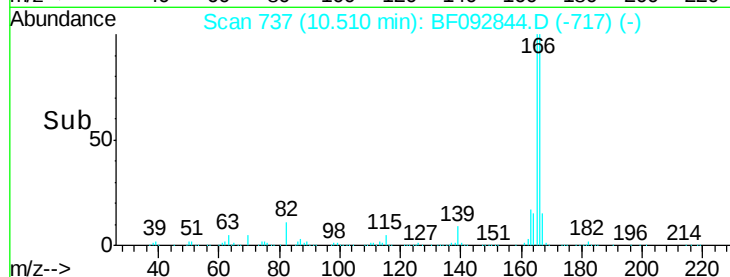
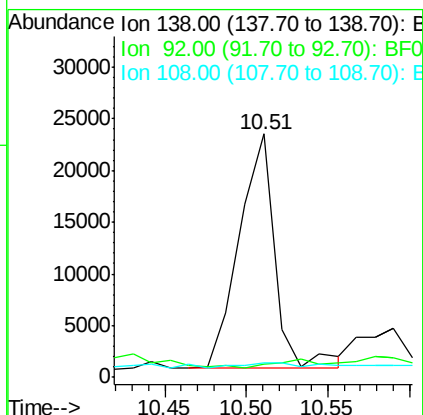
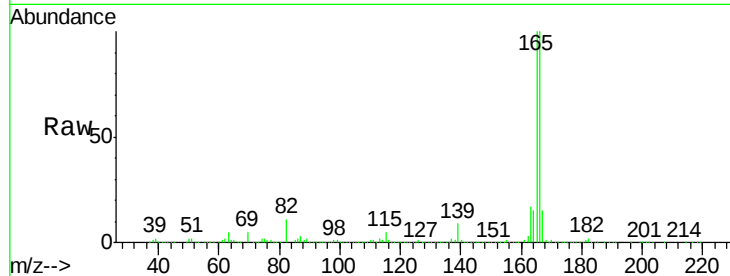




#61
4-Nitroaniline
Concen: 6.54 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.07 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

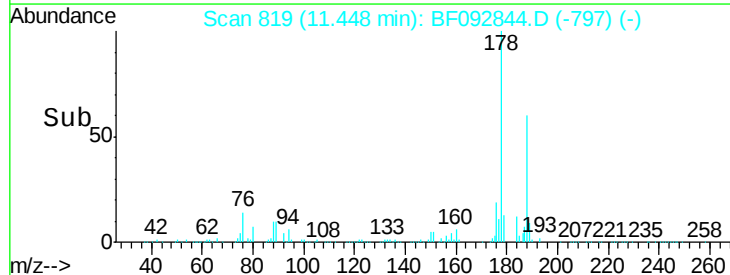
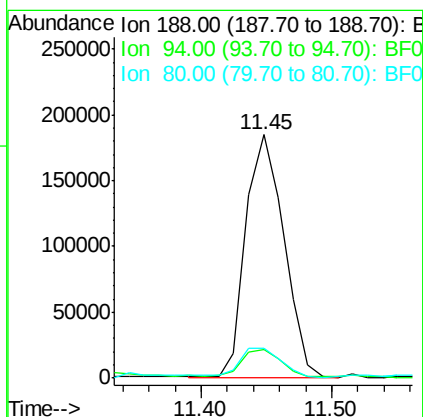
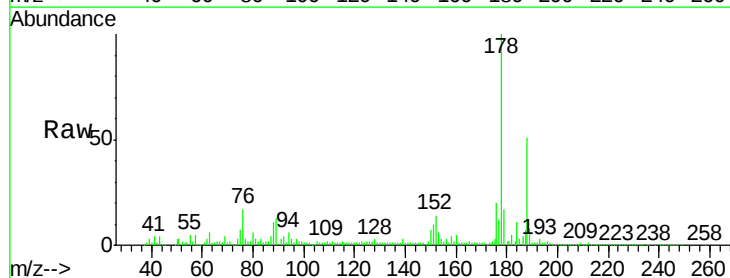
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

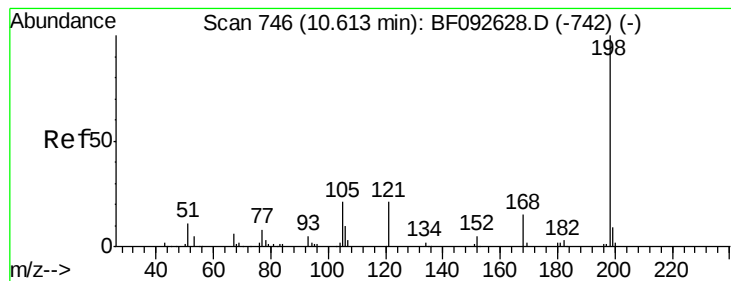
Tgt Ion:138 Resp: 34707
Ion Ratio Lower Upper
138 100
92 5.4 31.7 71.7#
108 6.0 52.6 92.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.05 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:188 Resp: 377149
Ion Ratio Lower Upper
188 100
94 11.8 10.0 15.0
80 12.2 11.2 16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 4.33 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

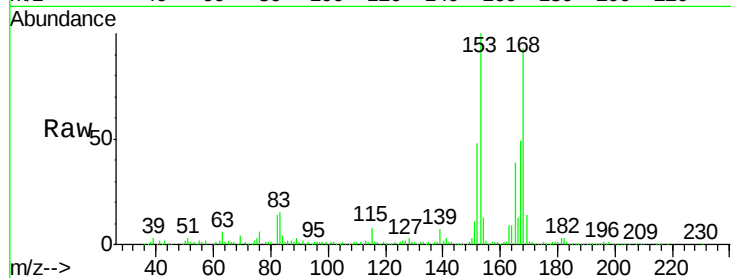
Tgt Ion:198 Resp: 4042

Ion Ratio Lower Upper

198 100

51 620.1 6.7 46.7#

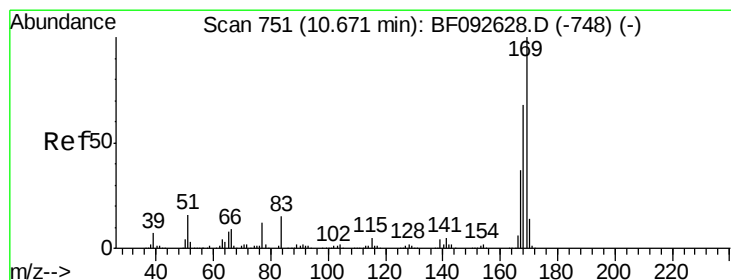
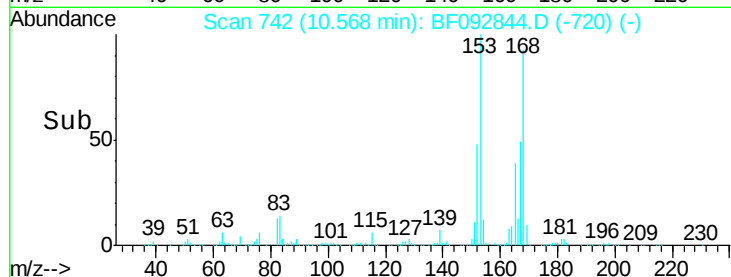
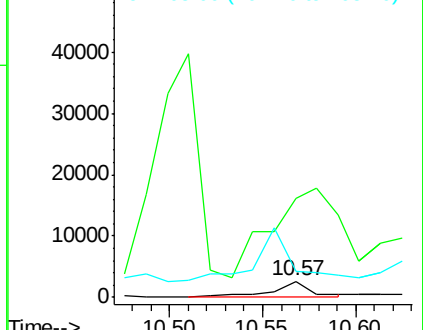
105 160.1 16.6 56.6#



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: 9.85 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.10 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

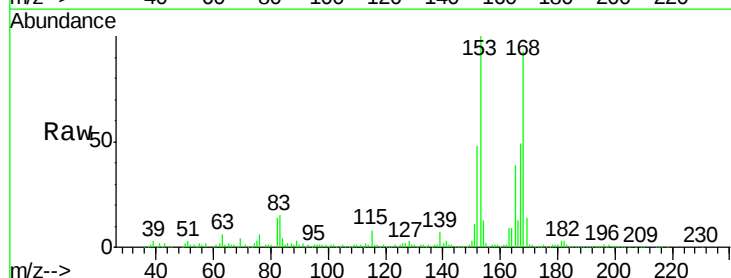
Tgt Ion:169 Resp: 118658

Ion Ratio Lower Upper

169 100

168 680.7 54.2 81.2#

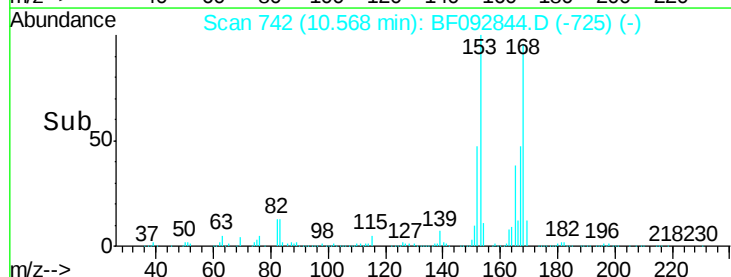
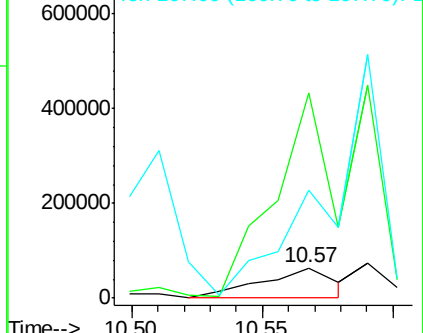
167 357.6 30.2 45.4#

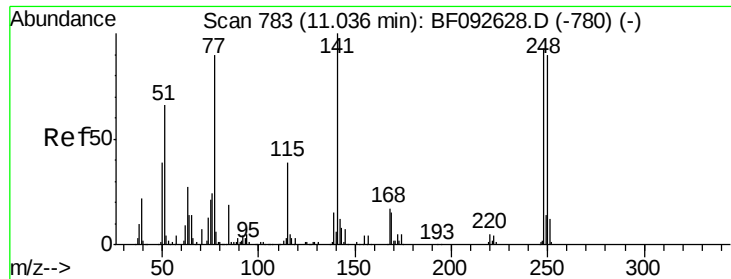


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

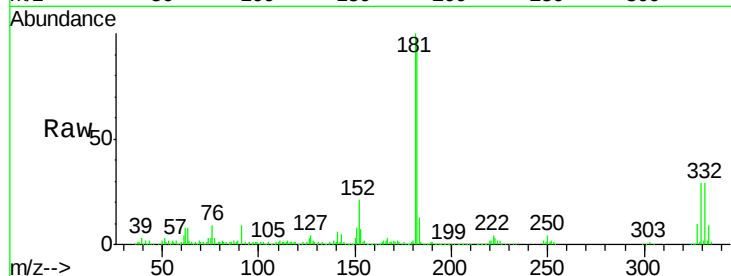




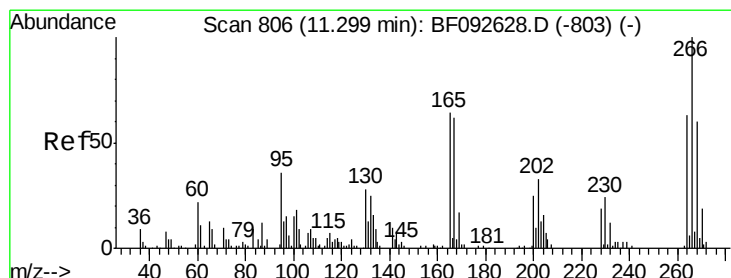
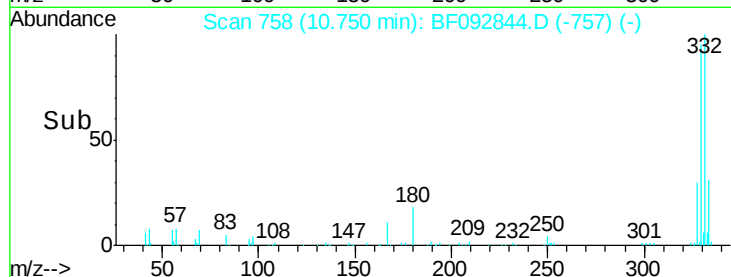
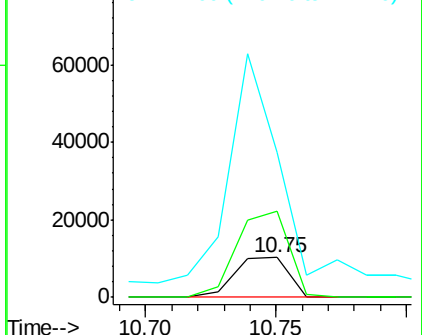
#66
 4-Bromophenyl-phenylether
 Concen: 3.74 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.29 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Tgt Ion:248 Resp: 14754
 Ion Ratio Lower Upper
 248 100
 250 218.9 76.9 115.3#
 141 366.8 68.2 102.4#

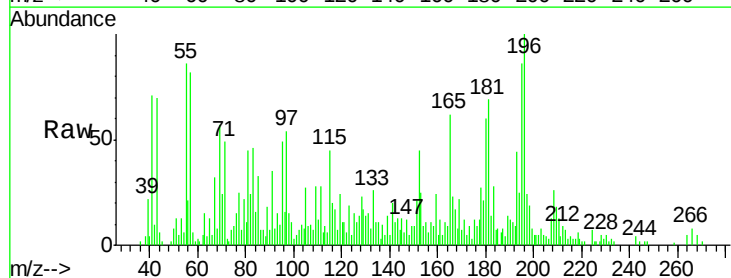


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

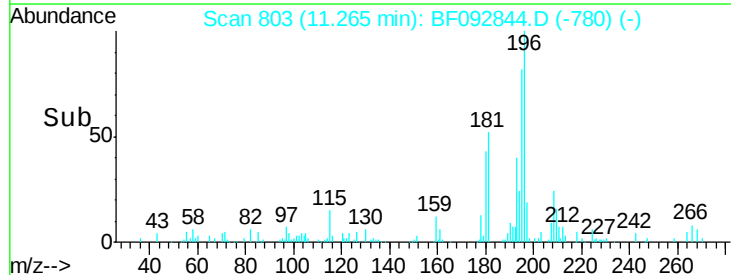
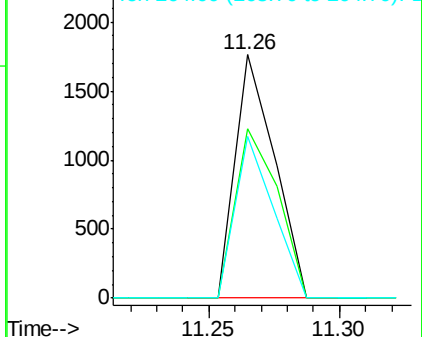


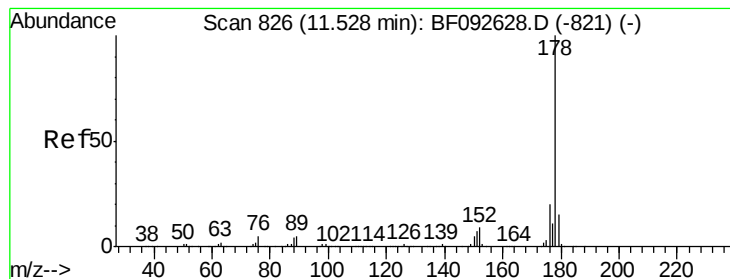
#69
 Pentachlorophenol
 Concen: 8.05 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Tgt Ion:266 Resp: 1869
 Ion Ratio Lower Upper
 266 100
 268 69.5 53.3 79.9
 264 66.6 50.3 75.5



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 424.36 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

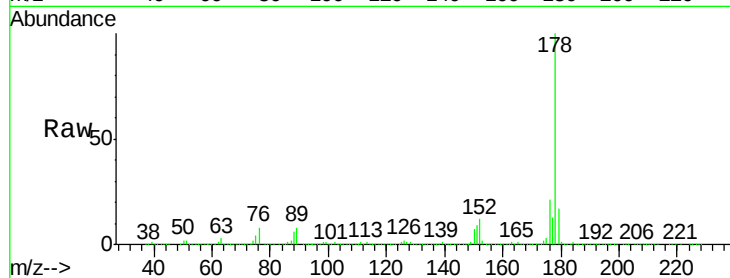
Tgt Ion:178 Resp: 9169447

Ion Ratio Lower Upper

178 100

176 21.3 16.6 25.0

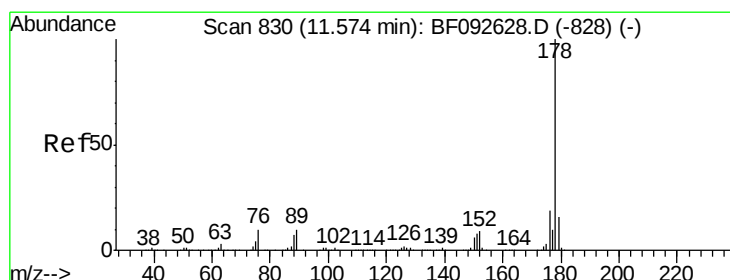
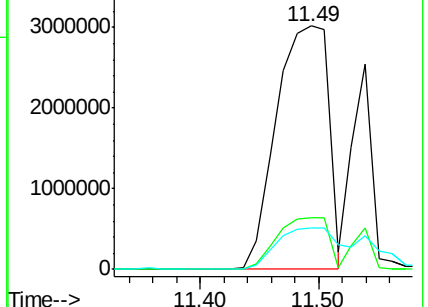
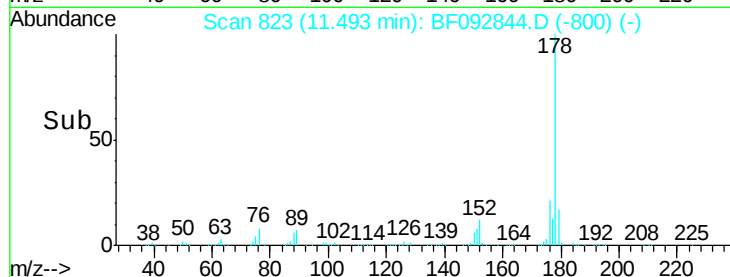
179 17.1 12.8 19.2



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: 422.58 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.08 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

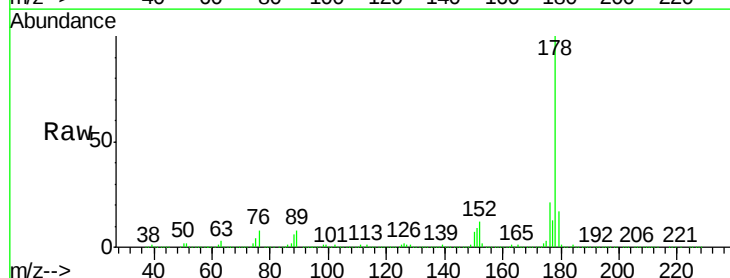
Tgt Ion:178 Resp: 9169447

Ion Ratio Lower Upper

178 100

176 21.3 15.9 23.9

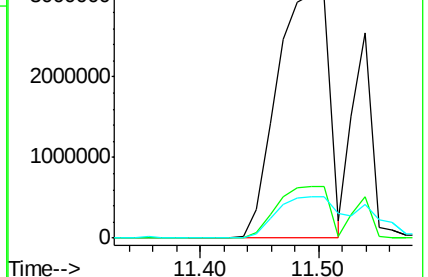
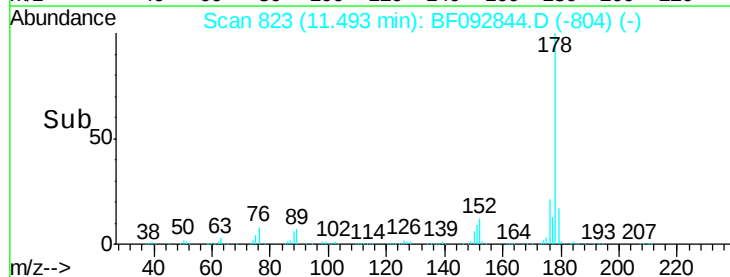
179 17.1 13.2 19.8

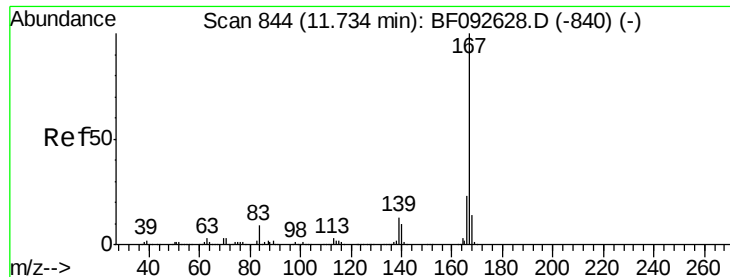


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

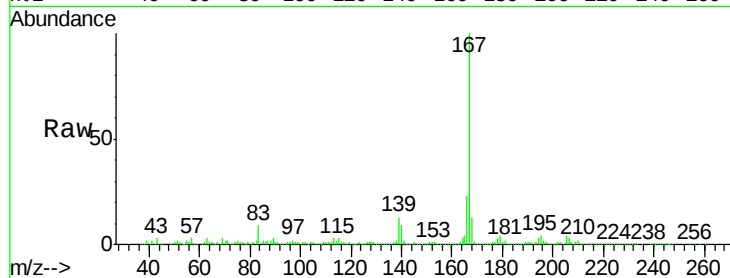




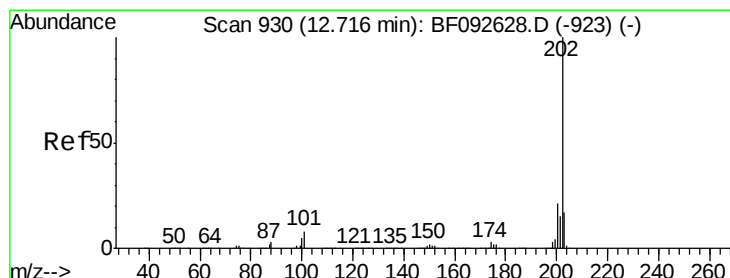
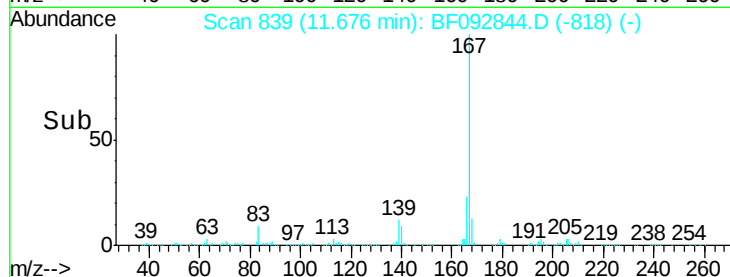
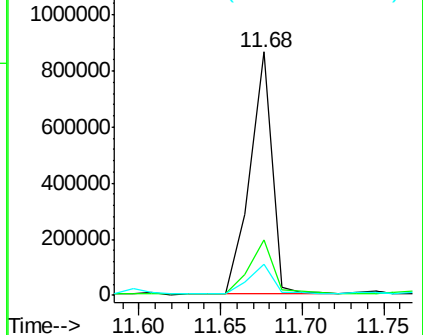
#72
 Carbazole
 Concen: 39.43 ng
 RT: 11.68 min Scan# 839
 Delta R.T. -0.06 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Tgt Ion:167 Resp: 817892
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 12.6 11.4 17.2

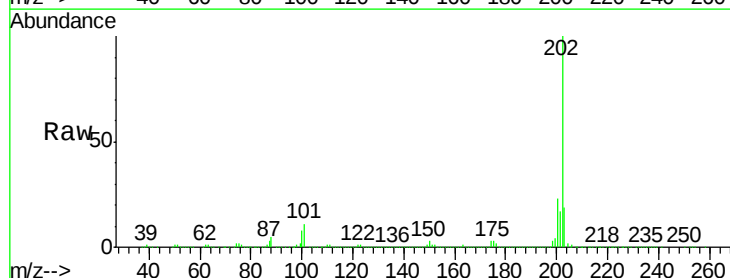


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

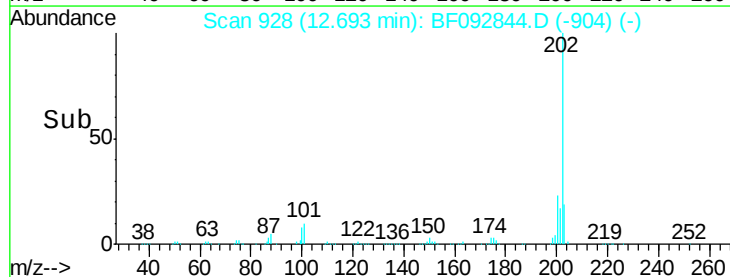
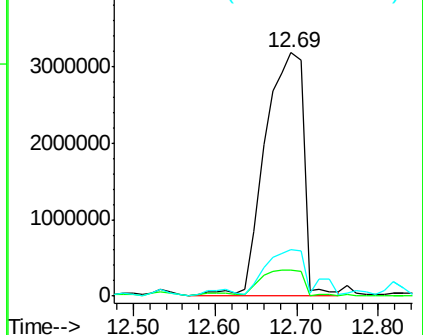


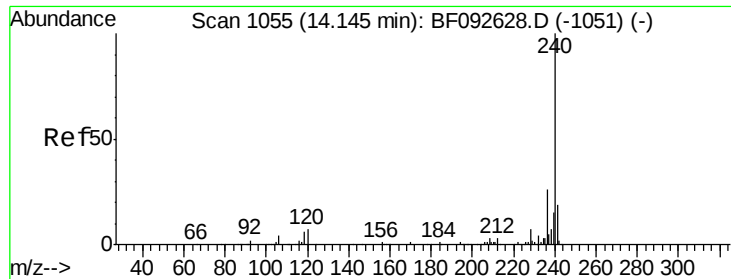
#74
 Fluoranthene
 Concen: 463.91 ng
 RT: 12.69 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Tgt Ion:202 Resp:10339503
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 34.6
 203 19.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1052

Delta R.T. -0.03 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

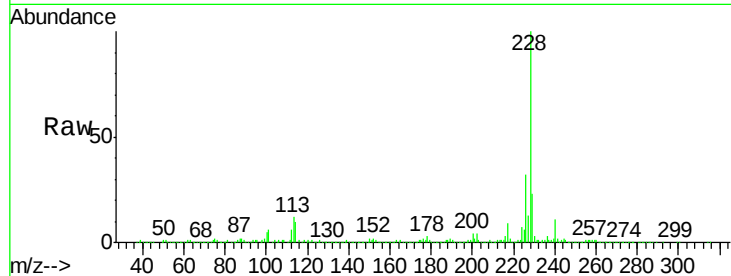
Tgt Ion:240 Resp: 241923

Ion Ratio Lower Upper

240 100

120 13.6 12.9 19.3

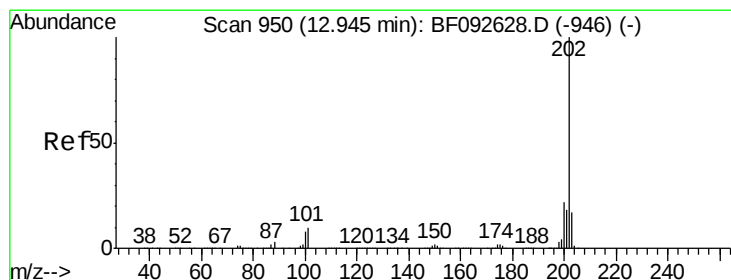
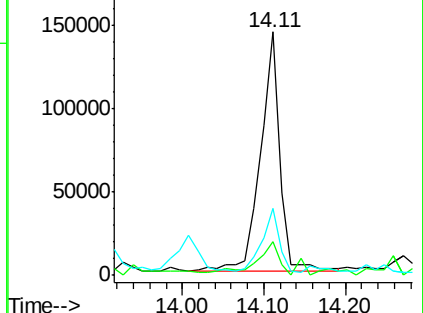
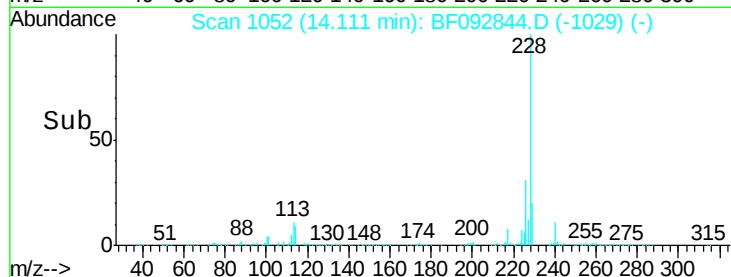
236 27.5 20.9 31.3



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



#77

Pyrene

Concen: 446.51 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

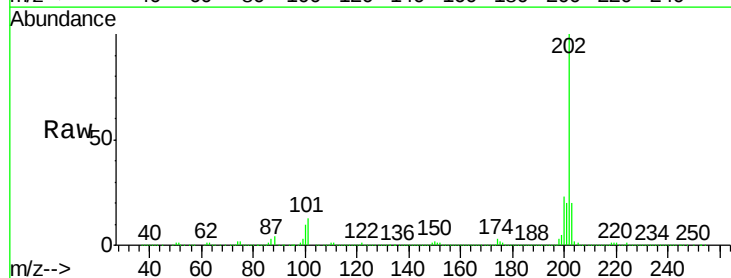
Tgt Ion:202 Resp: 8083887

Ion Ratio Lower Upper

202 100

200 23.4 17.7 26.5

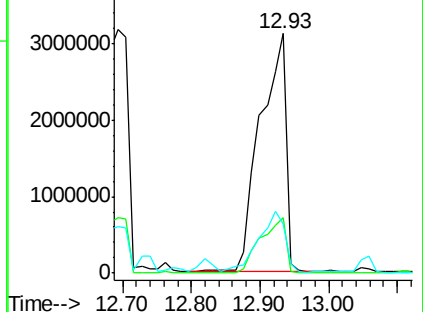
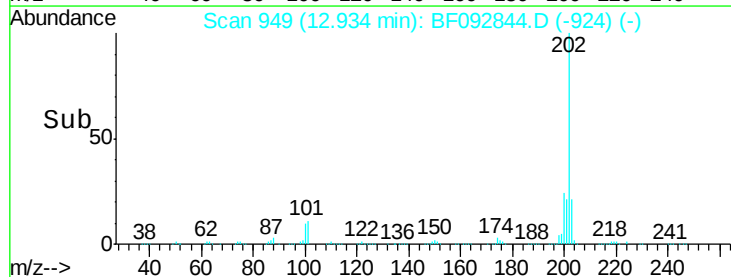
203 20.3 14.7 22.1

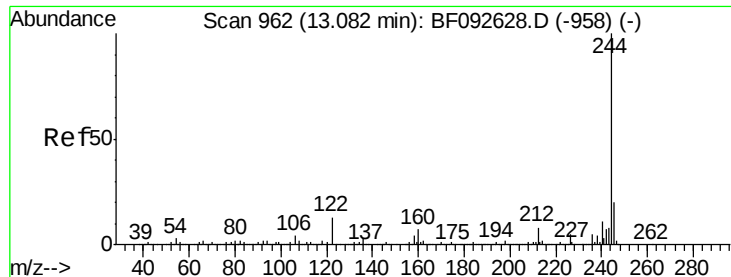


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

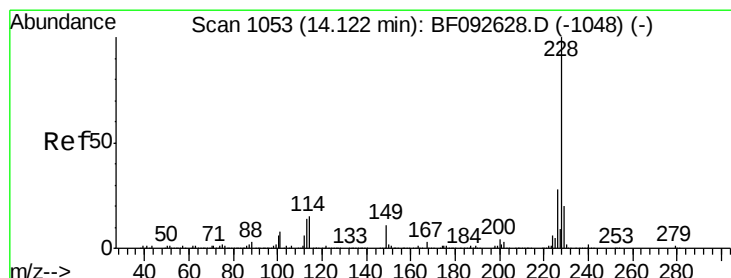
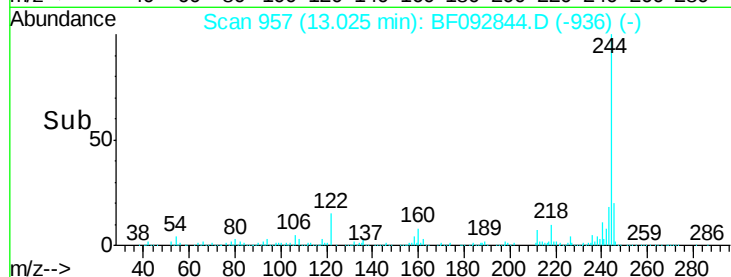
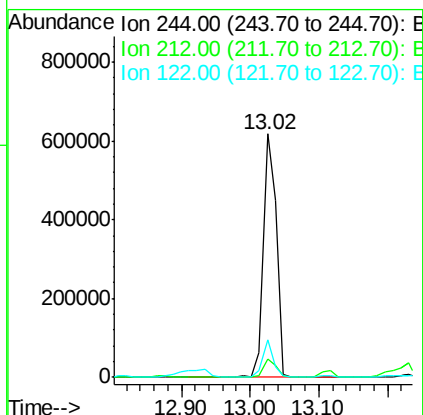
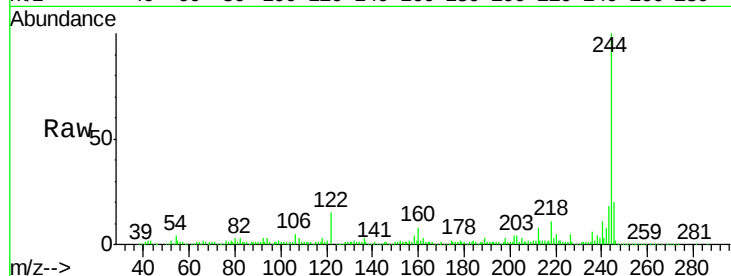




#78
 Terphenyl-d14
 Concen: 77.09 ng
 RT: 13.02 min Scan# 957
 Delta R.T. -0.06 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

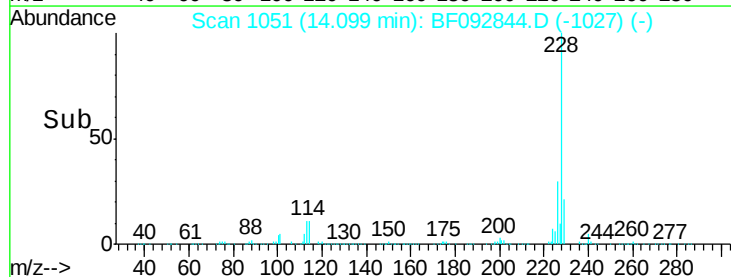
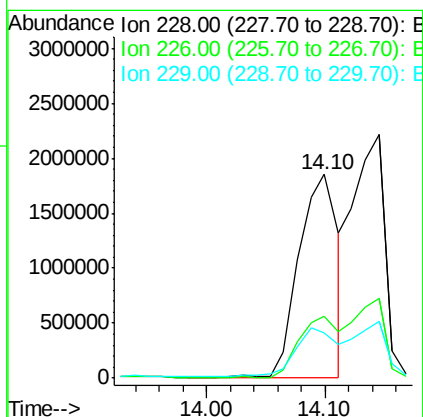
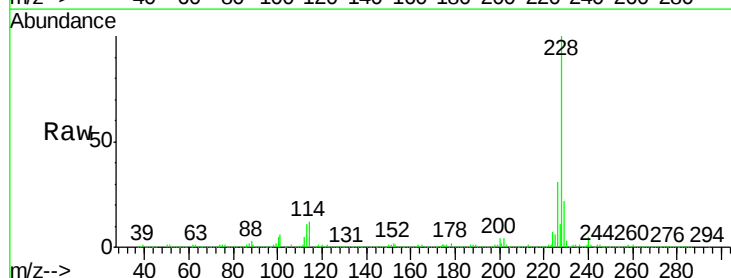
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

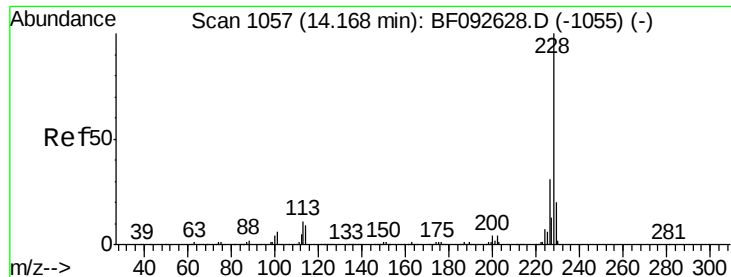
Tgt Ion:244 Resp: 793716
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 15.3 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 284.90 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Tgt Ion:228 Resp: 4215515
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.4 33.6
 229 22.4 16.2 24.4

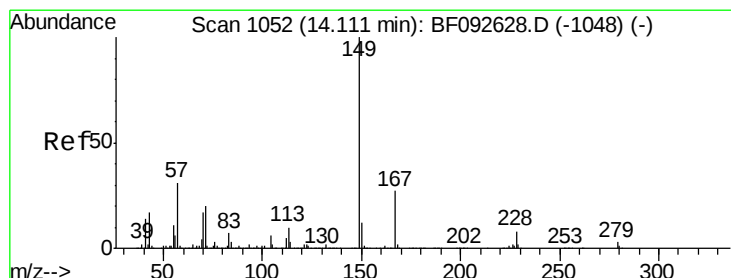
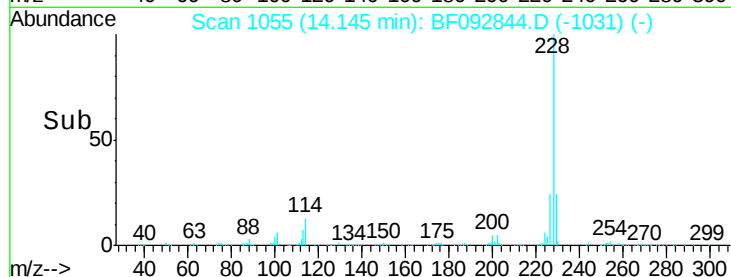
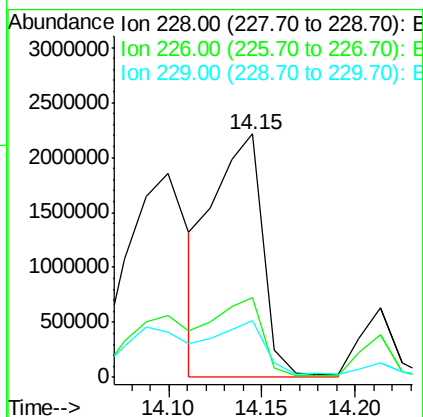
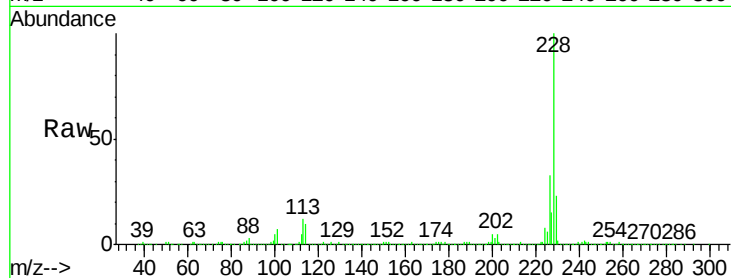




#82
Chrysene
 Concen: 297.75 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

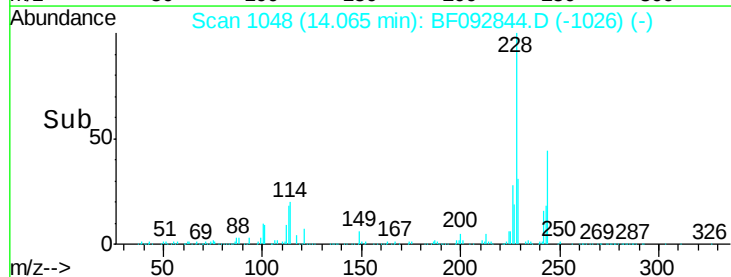
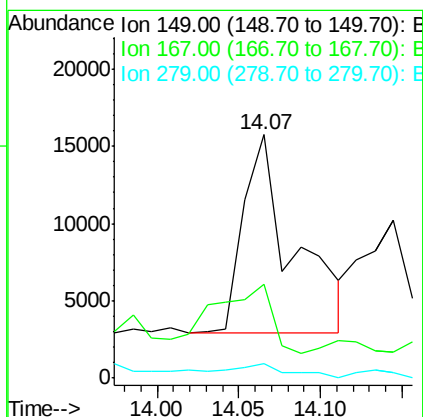
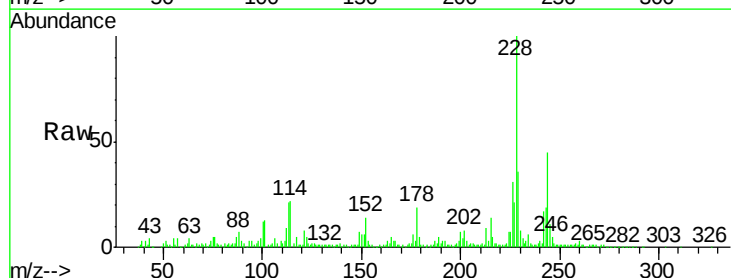
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

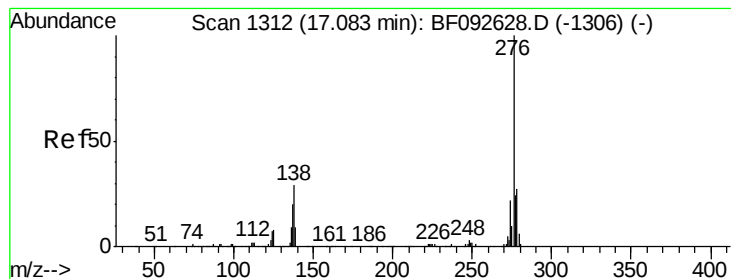
Tgt Ion:228 Resp: 4124919
 Ion Ratio Lower Upper
 228 100
 226 32.7 25.4 38.0
 229 23.0 16.2 24.2



#83
Bis(2-ethylhexyl)phthalate
 Concen: 2.69 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. -0.05 min
 Lab File: BF092844.D
 Acq: 7 Feb 2017 22:35

Tgt Ion:149 Resp: 27086
 Ion Ratio Lower Upper
 149 100
 167 38.6 20.2 30.4#
 279 5.8 1.8 2.8#





#85

Indeno(1,2,3-cd)pyrene

Concen: 59.32 ng

RT: 17.00 min Scan# 1305

Delta R.T. -0.08 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

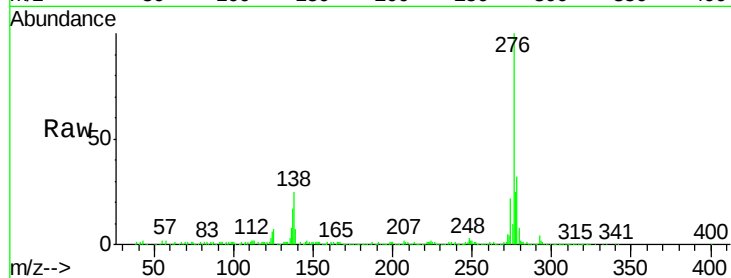
Tgt Ion:276 Resp: 636595

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.6

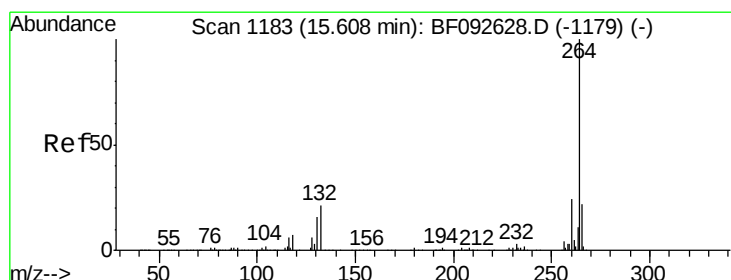
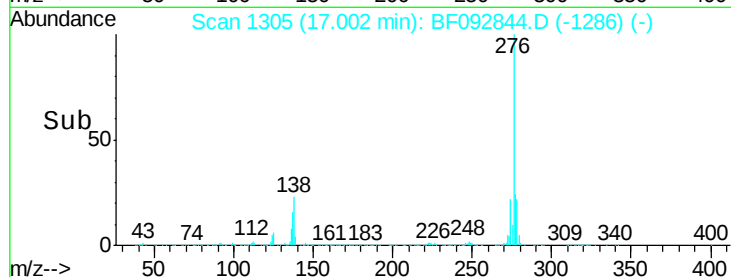
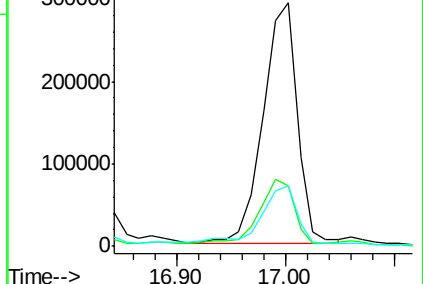
277 27.6 20.2 30.4



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: 15.55 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

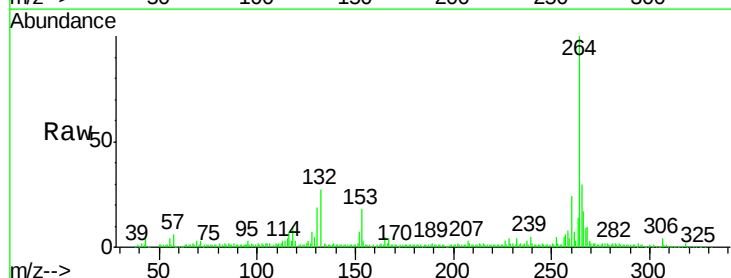
Tgt Ion:264 Resp: 294051

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

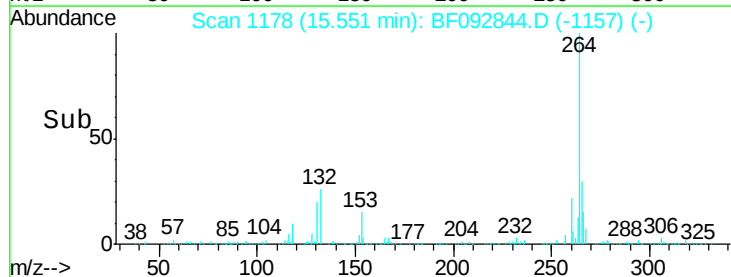
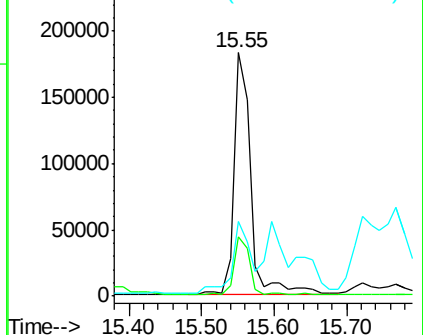
265 30.4 17.4 26.0#

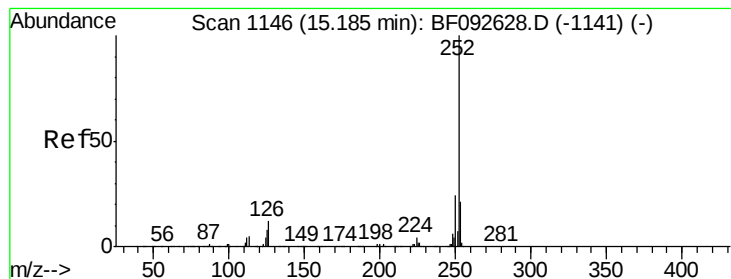


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 259.75 ng

RT: 15.15 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

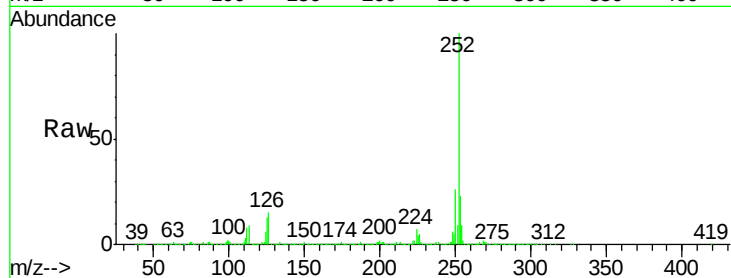
Tgt Ion:252 Resp: 5027363

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.4

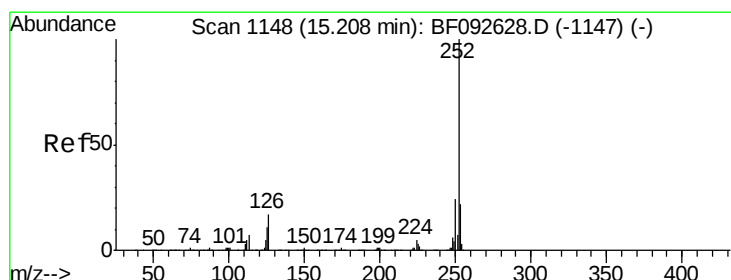
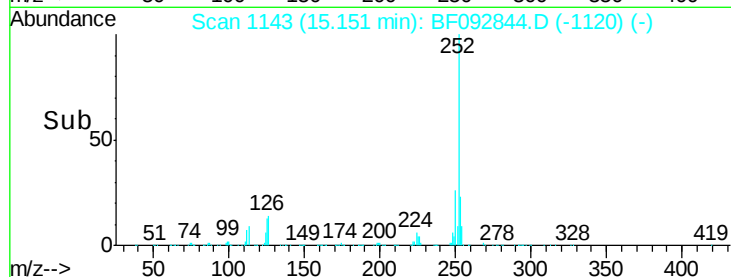
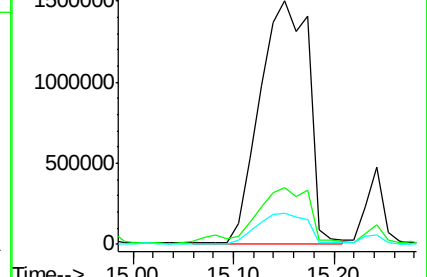
125 12.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 299.92 ng

RT: 15.15 min Scan# 1143

Delta R.T. -0.06 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

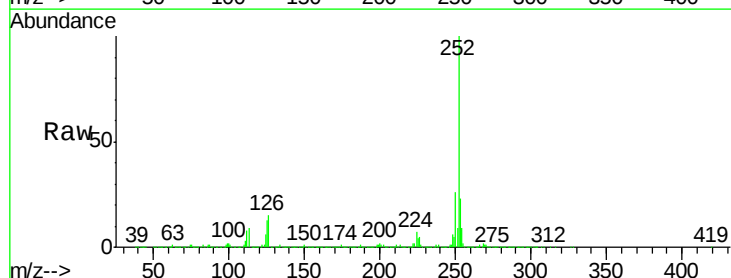
Tgt Ion:252 Resp: 5011975

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

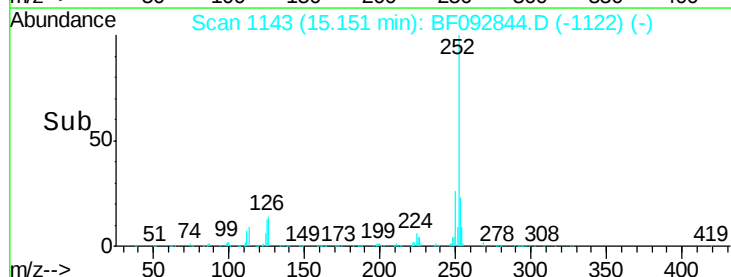
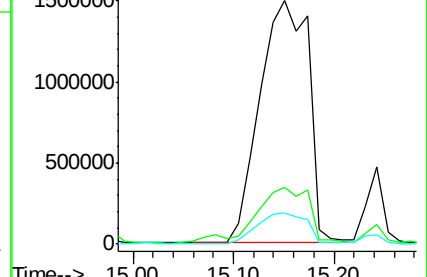
125 12.9 8.9 13.3

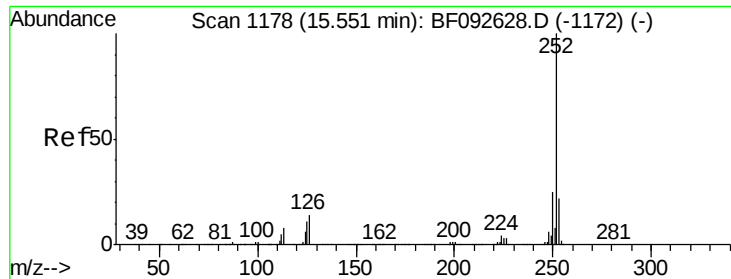


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

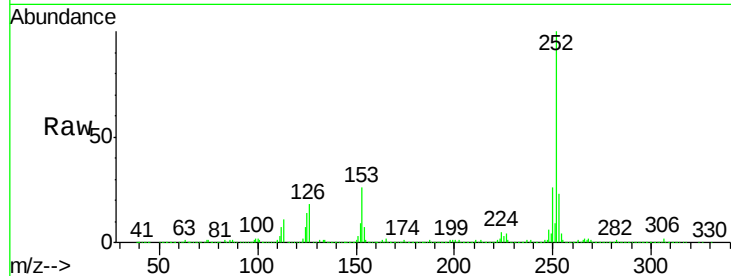




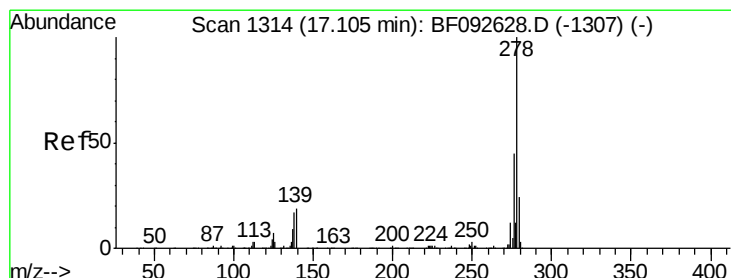
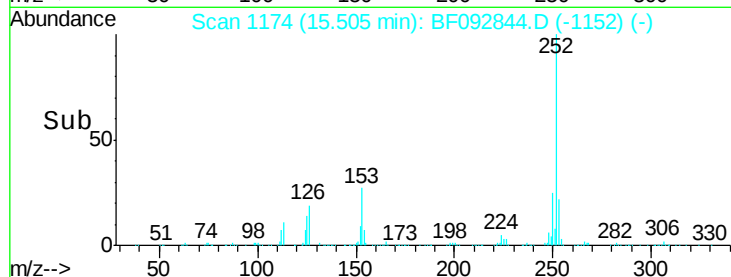
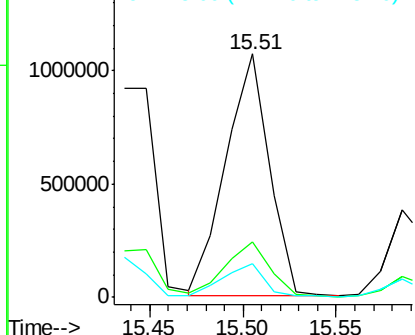
#89
Benzo(a)pyrene
Concen: 104.01 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tgt Ion:252 Resp: 1741335
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 13.9 10.0 15.0

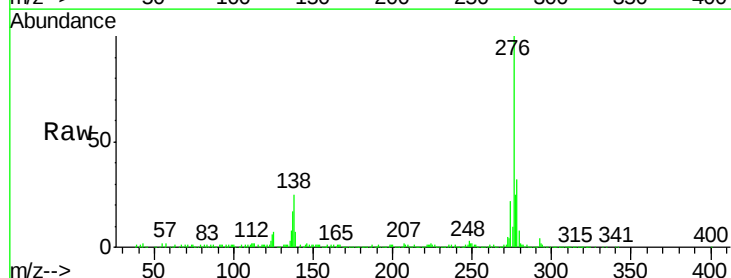


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

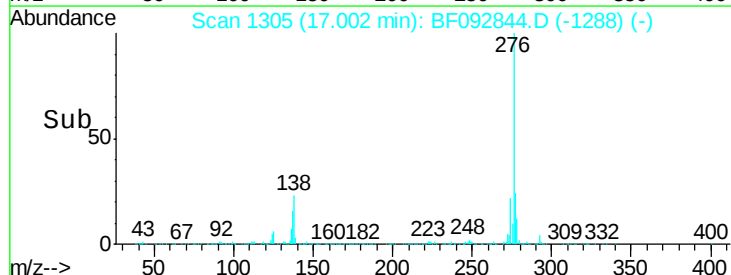
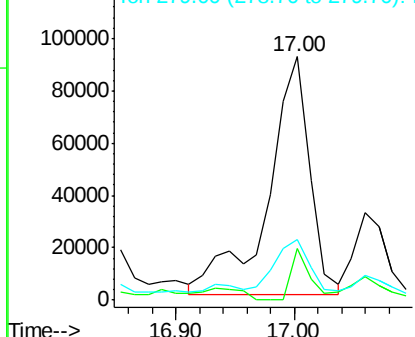


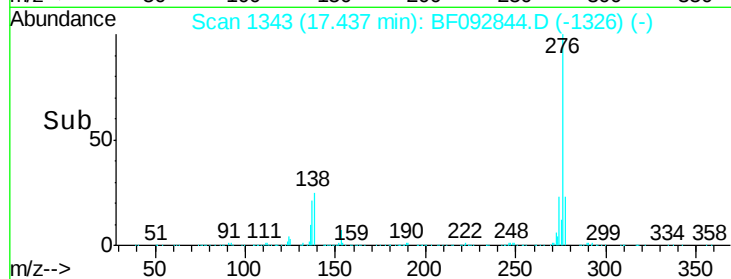
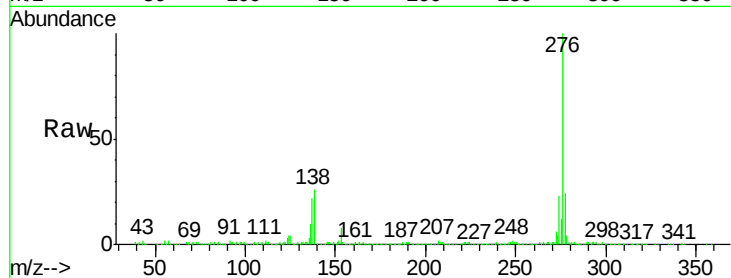
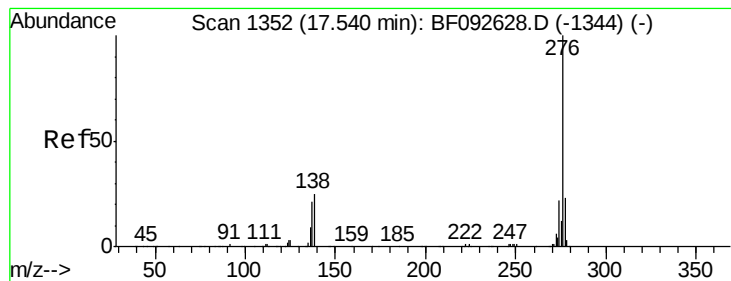
#90
Dibenzo(a,h)anthracene
Concen: 16.44 ng
RT: 17.00 min Scan# 1305
Delta R.T. -0.10 min
Lab File: BF092844.D
Acq: 7 Feb 2017 22:35

Tgt Ion:278 Resp: 222391
Ion Ratio Lower Upper
278 100
139 21.0 14.8 22.2
279 24.8 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: 34.65 ng

RT: 17.44 min Scan# 1343

Delta R.T. -0.10 min

Lab File: BF092844.D

Acq: 7 Feb 2017 22:35

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

Tgt Ion:276 Resp: 473605

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 25.8 16.0 24.0#

