

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122116\
 Data File : BF091859.D
 Acq On : 22 Dec 2016 3:02
 Operator : UM/SJ
 Sample : H6156-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 22 03:31:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	284178	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	781547	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	596972	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1027016	20.00	ng	0.00
75) Chrysene-d12	13.89	240	818936	20.00	ng	-0.01
86) Perylene-d12	15.29	264	653380	20.00	ng	-0.01

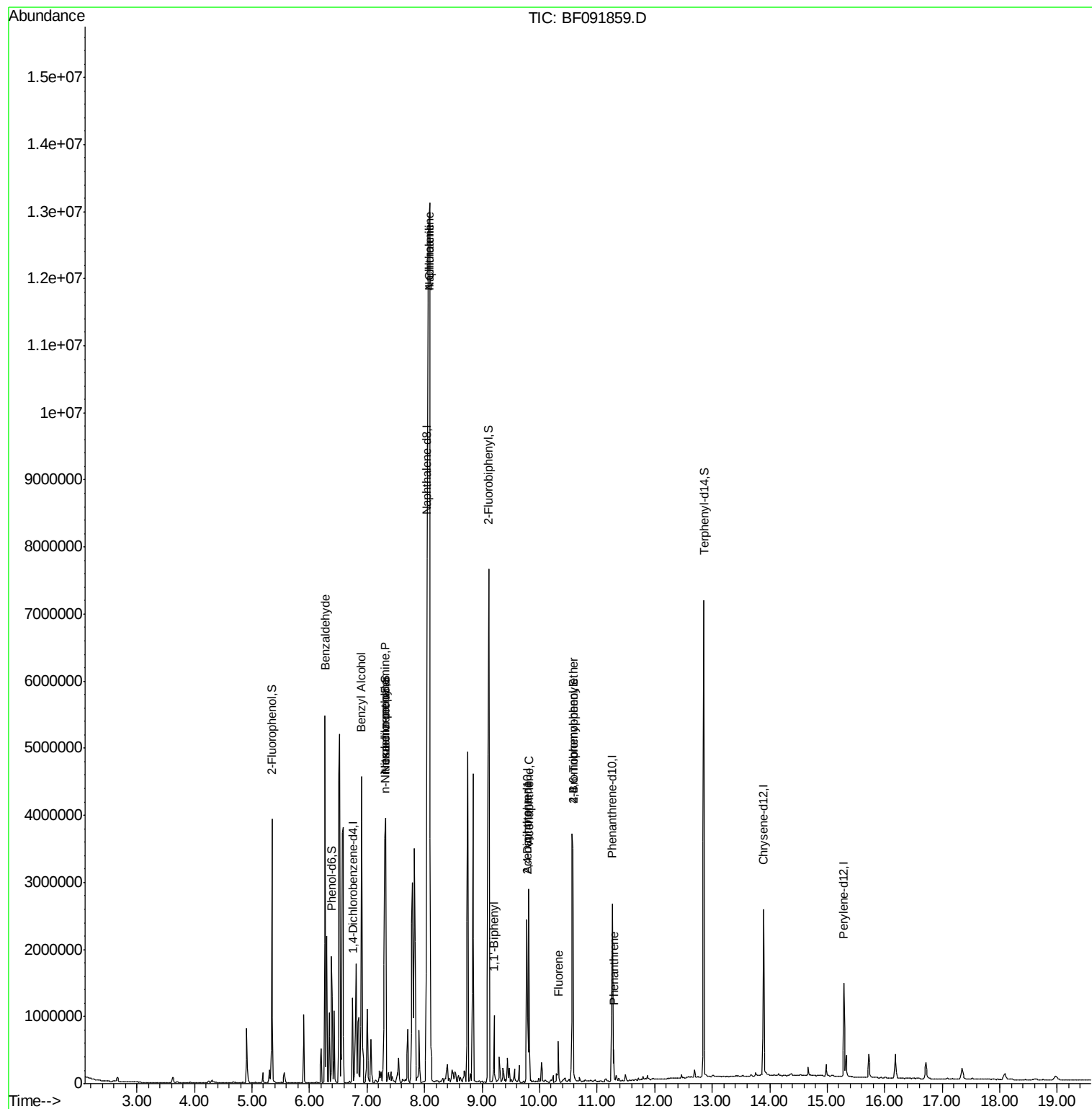
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1116049	65.58	ng	0.00
7) Phenol-d6	6.38	99	890390	42.85	ng	-0.02
23) Nitrobenzene-d5	7.32	82	2193854	156.09	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	762325	154.30	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3240745	115.92	ng	0.00
78) Terphenyl-d14	12.85	244	2502060	74.10	ng	0.00

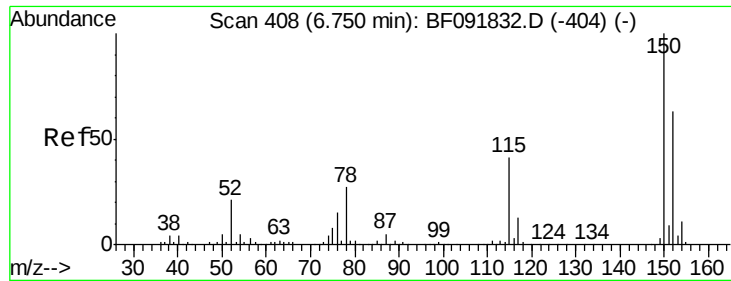
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	405123	31.78	ng	# 1
15) Benzyl Alcohol	6.90	79	32873	2.04	ng	# 44
18) Hexachloroethane	7.32	117	134874	17.29	ng	# 3
19) n-Nitroso-di-n-propylamine	7.31	70	288711	20.88	ng	# 76
31) Naphthalene	8.09	128	18596501	519.90	ng	# 93
33) 4-Chloroaniline	8.09	127	2966528	183.93	ng	# 33
37) 2-Methylnaphthalene	8.75	142	1656817	Below Cal		98
45) 1,1'-Biphenyl	9.21	154	315513	7.72	ng	96
51) Acenaphthene	9.81	154	650841	19.28	ng	100
56) 2,4-Dinitrotoluene	9.78	165	83063	7.92	ng	# 20
57) Fluorene	10.33	166	201550	6.08	ng	100
66) 4-Bromophenyl-phenylether	10.58	248	48424	4.53	ng	# 1
70) Phenanthrene	11.29	178	190496	3.42	ng	96
73) Di-n-butylphthalate	11.84	149	6460	Below Cal	#	90
74) Fluoranthene	12.47	202	26876	Below Cal		96

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

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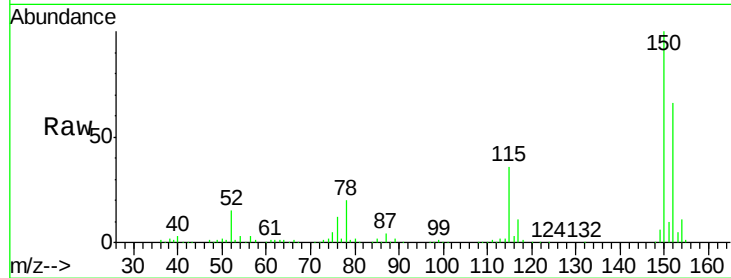
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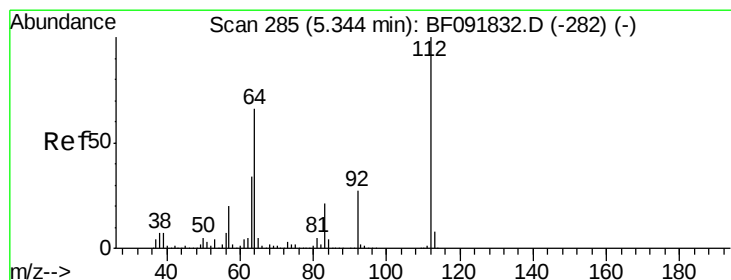
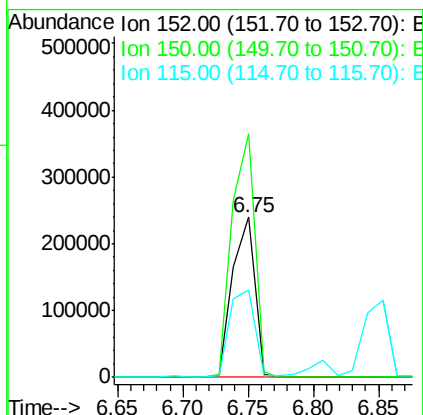
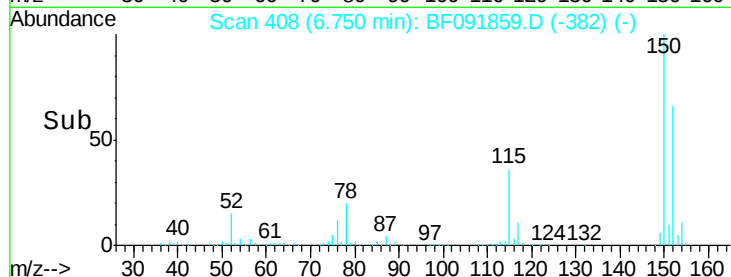


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion:152 Resp: 284178
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.9 187.3
 115 54.6 46.0 69.0

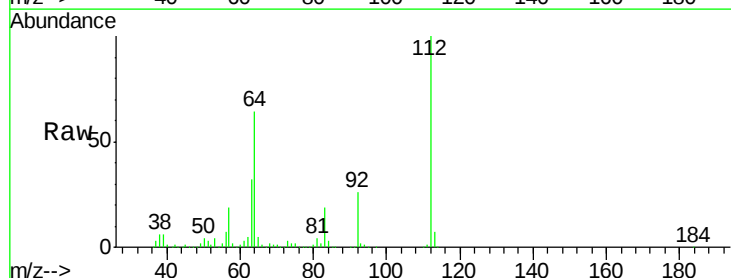


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

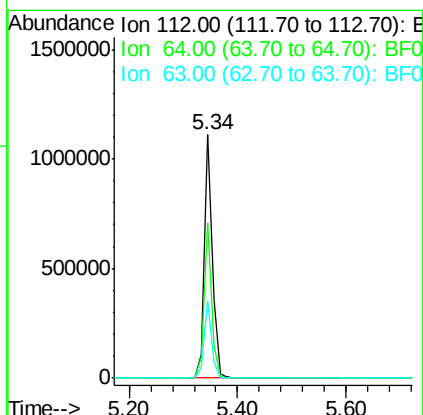
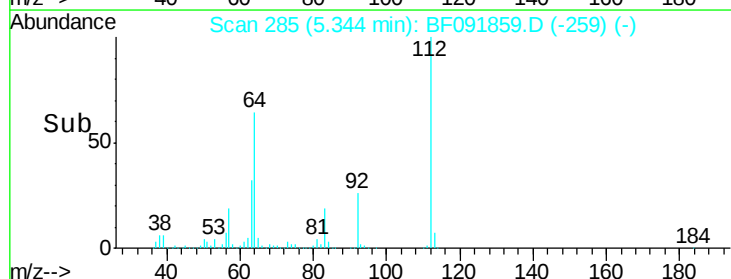


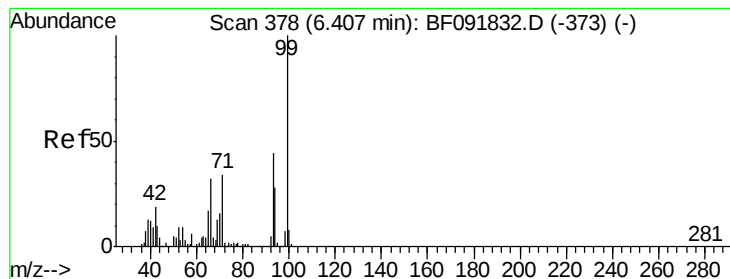
#5
 2-Fluorophenol
 Concen: 65.58 ng
 RT: 5.34 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion:112 Resp: 1116049
 Ion Ratio Lower Upper
 112 100
 64 63.9 46.1 69.1
 63 31.9 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: 42.85 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

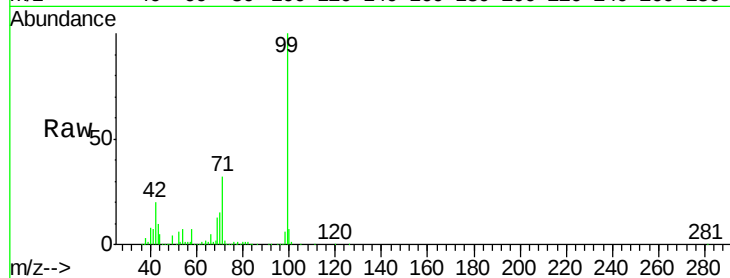
Tgt Ion: 99 Resp: 890390

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

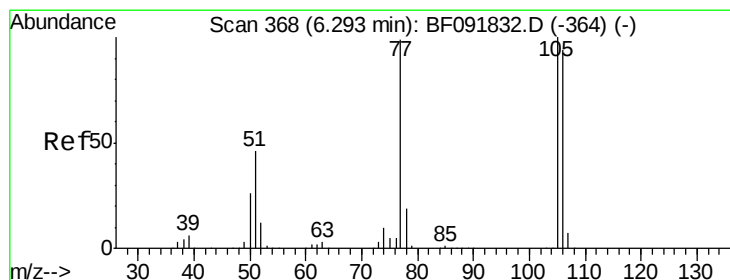
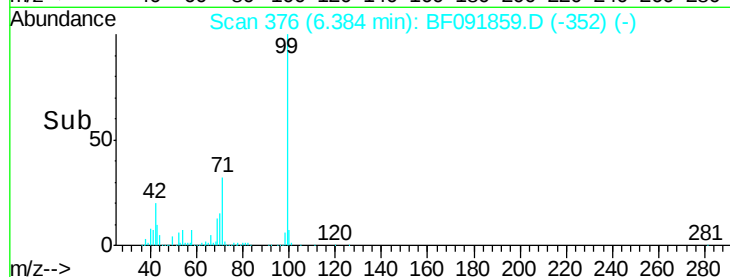
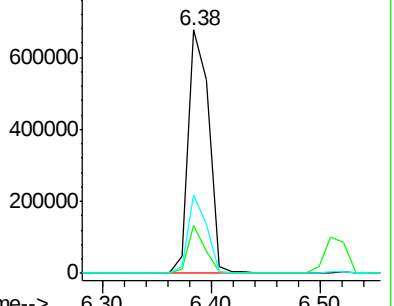
71 32.3 27.5 41.3



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



#9

Benzaldehyde

Concen: 31.78 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

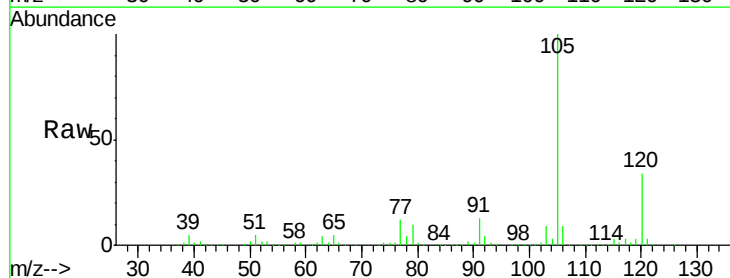
Tgt Ion: 77 Resp: 405123

Ion Ratio Lower Upper

77 100

105 812.3 83.9 123.9#

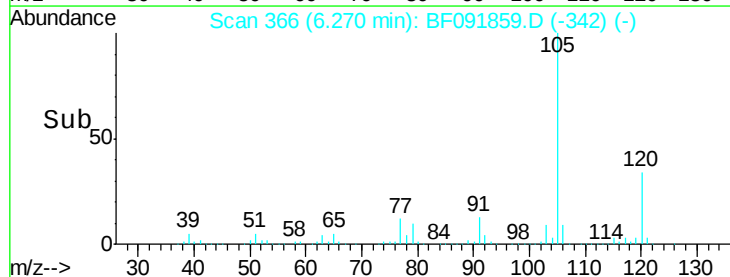
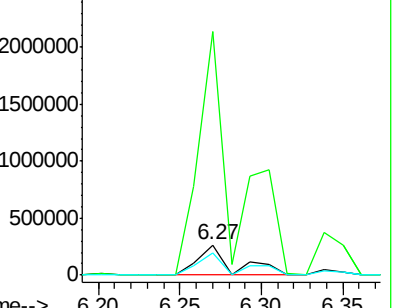
106 74.4 77.6 117.6#

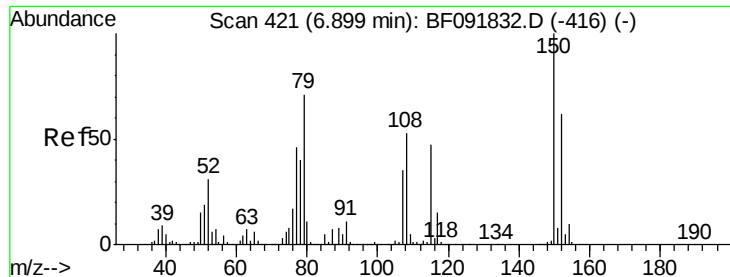


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

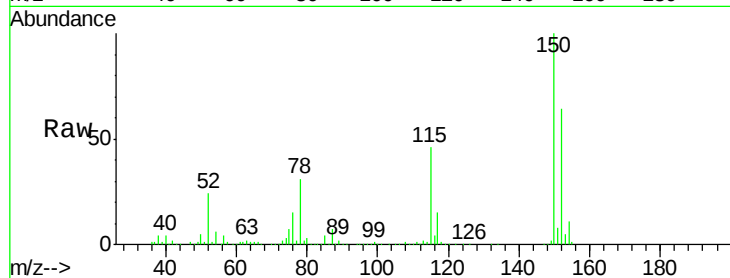
Tgt Ion: 79 Resp: 32873

Ion Ratio Lower Upper

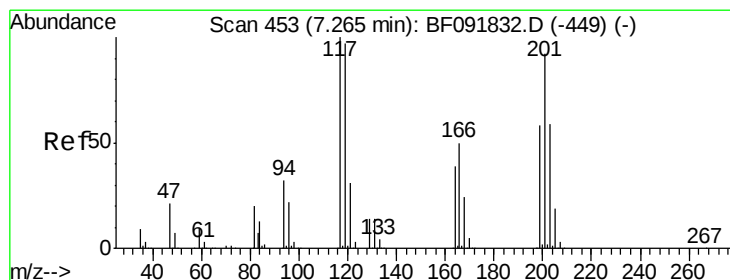
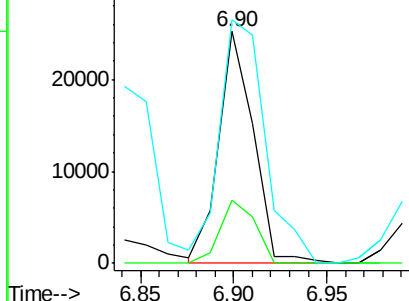
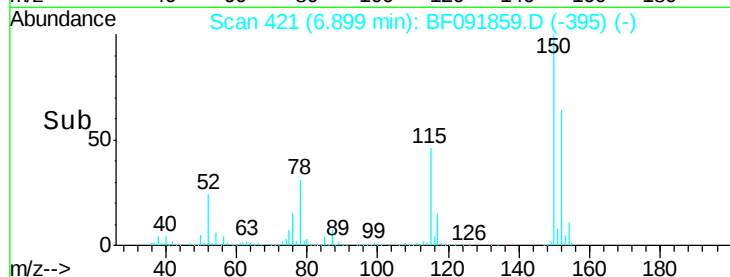
79 100

108 27.2 61.4 92.0#

77 105.1 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: 17.29 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.06 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

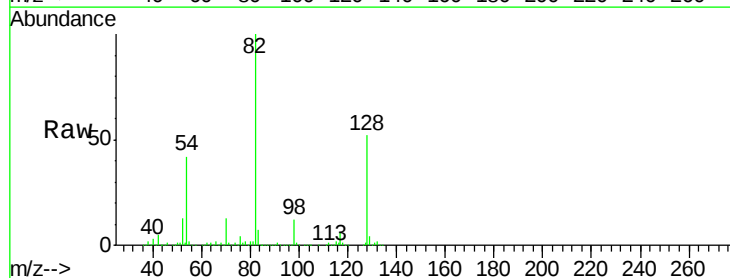
Tgt Ion: 117 Resp: 134874

Ion Ratio Lower Upper

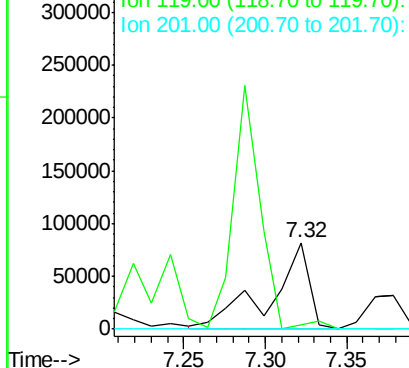
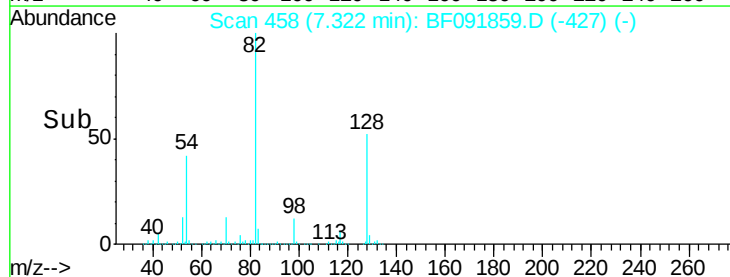
117 100

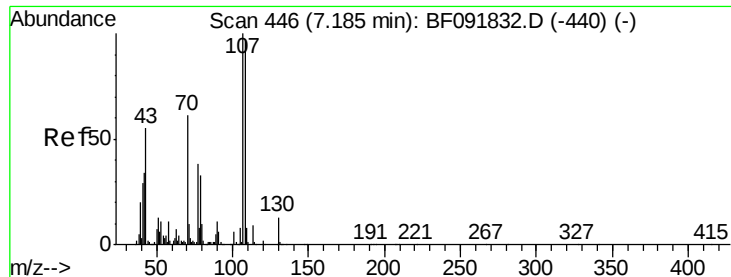
119 4.5 78.1 117.1#

201 0.0 78.6 117.8#



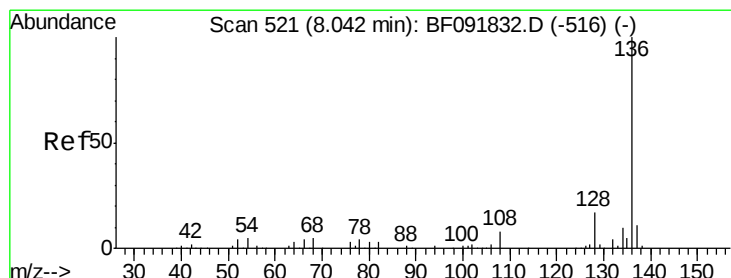
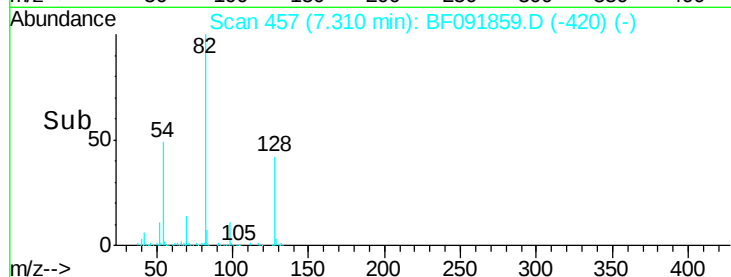
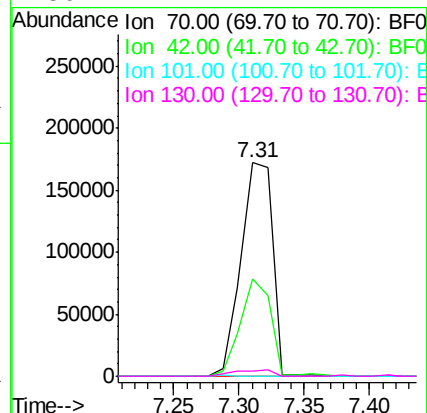
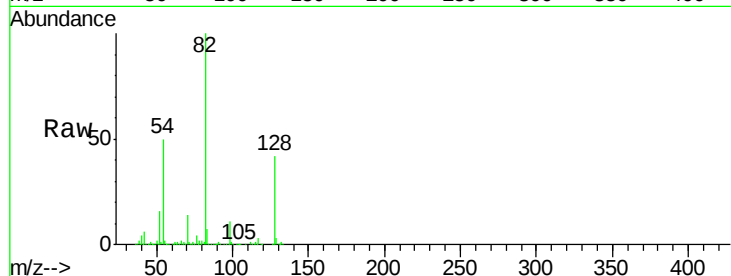
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





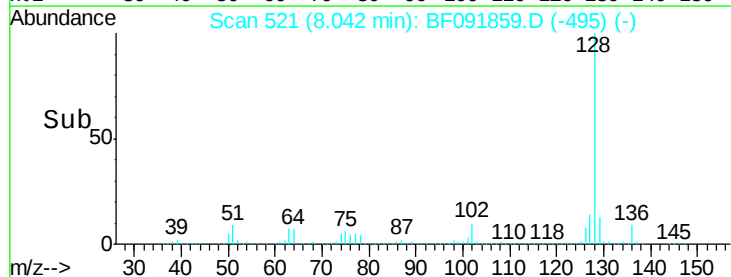
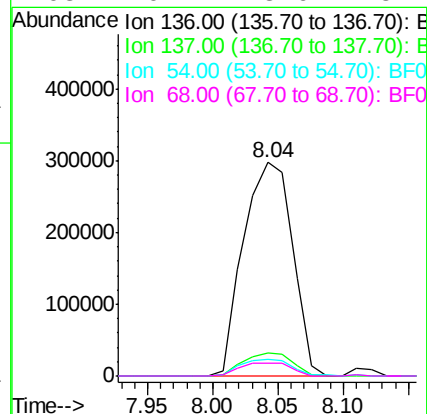
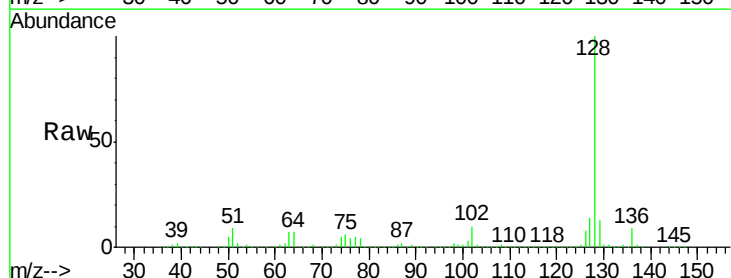
#19
n-Nitroso-di-n-propylamine
Concen: 20.88 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

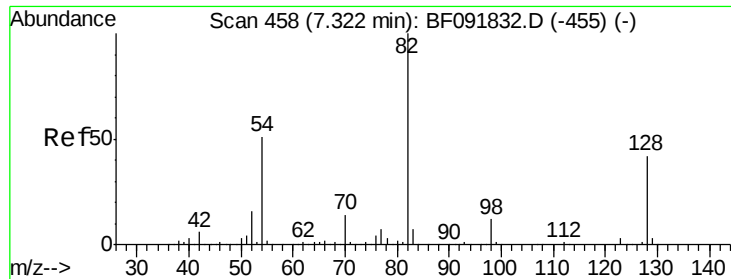
Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.7	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

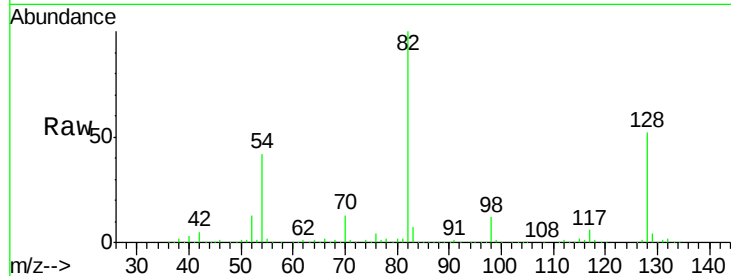
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.9	4.5	6.7#
68	6.1	3.6	5.4#



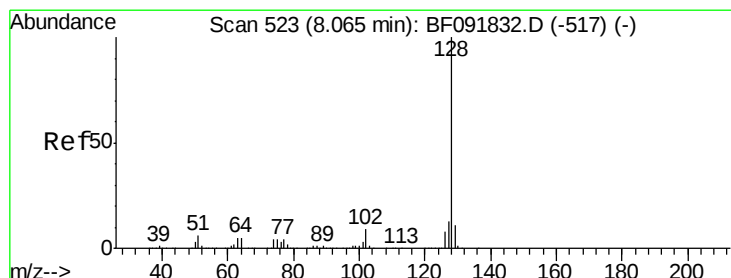
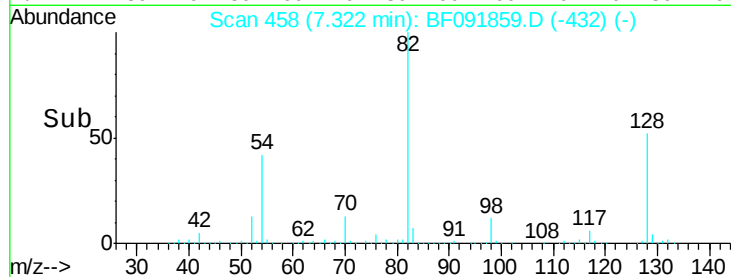
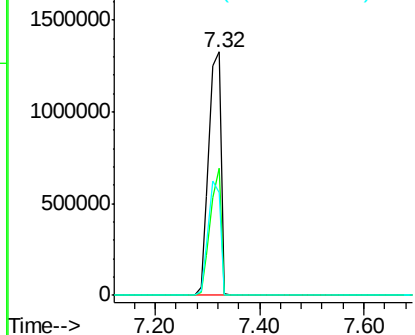


#23
Nitrobenzene-d5
Concen: 156.09 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion: 82 Resp: 2193854
Ion Ratio Lower Upper
82 100
128 52.2 34.6 52.0#
54 42.1 39.5 59.3

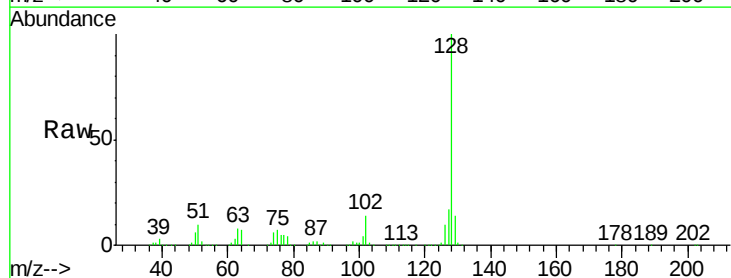


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

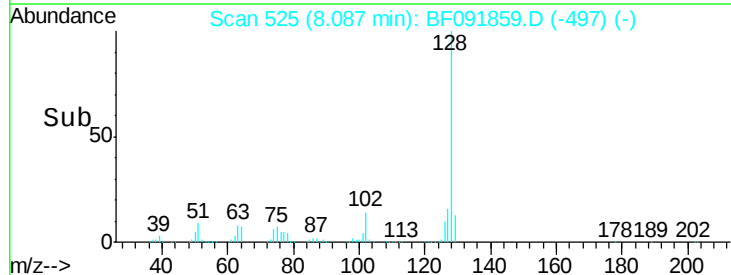
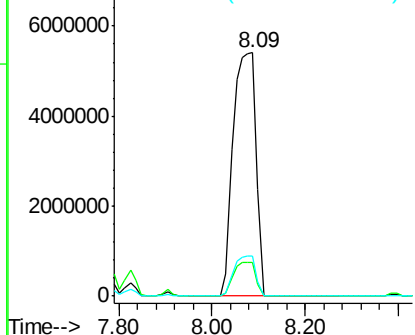


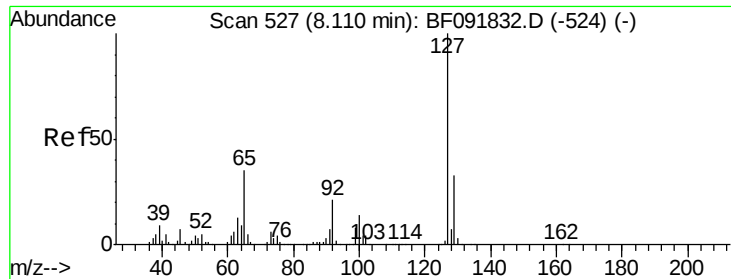
#31
Naphthalene
Concen: 519.90 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.02 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion: 128 Resp: 18596501
Ion Ratio Lower Upper
128 100
129 14.0 9.5 14.3
127 16.7 10.8 16.2#



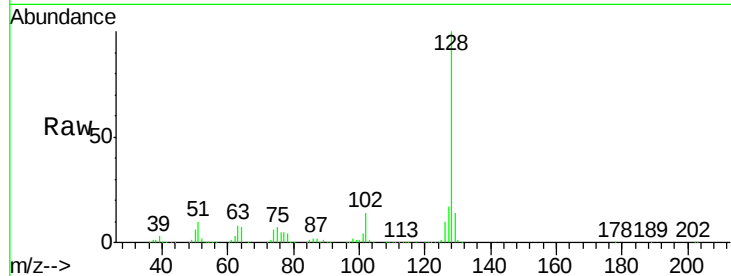
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



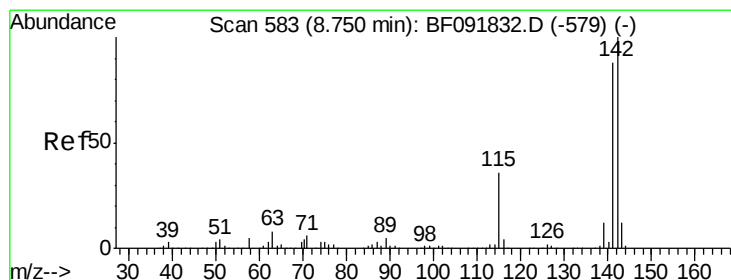
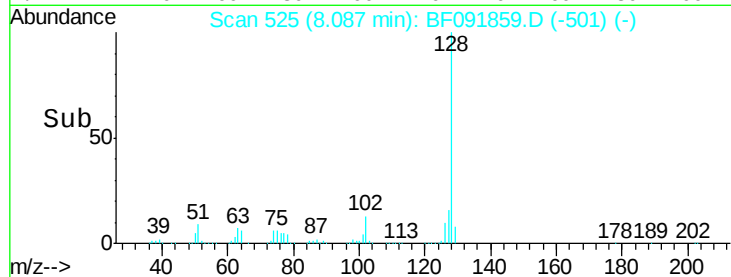
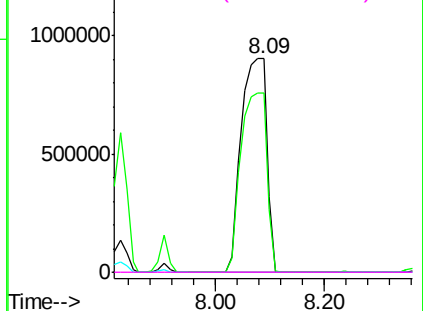


#33
4-Chloroaniline
Concen: 183.93 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion:	127	Resp:	2966528
Ion	Ratio	Lower	Upper
127	100		
129	84.1	26.3	39.5#
65	0.0	25.8	38.8#
92	0.0	16.1	24.1#

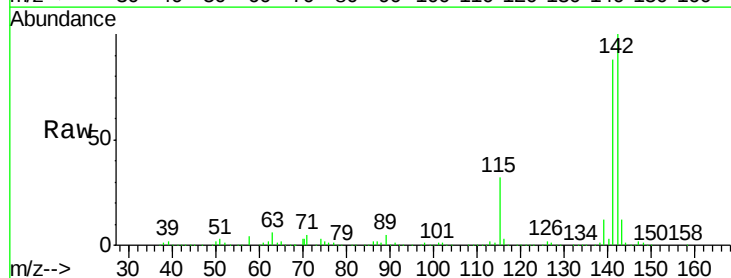


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

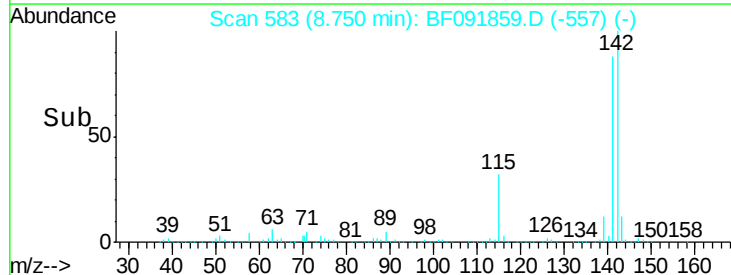
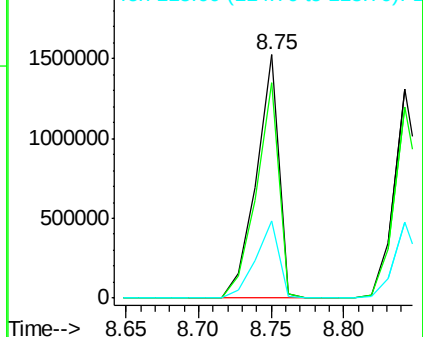


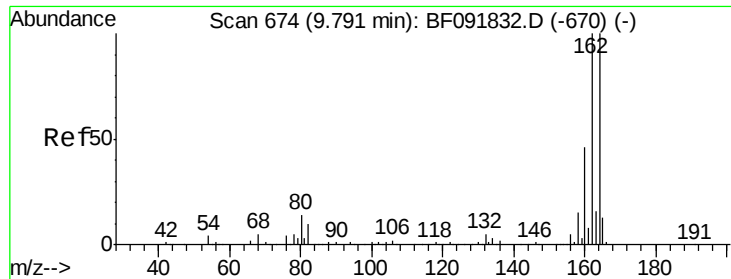
#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion:	142	Resp:	1656817
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	32.0	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: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

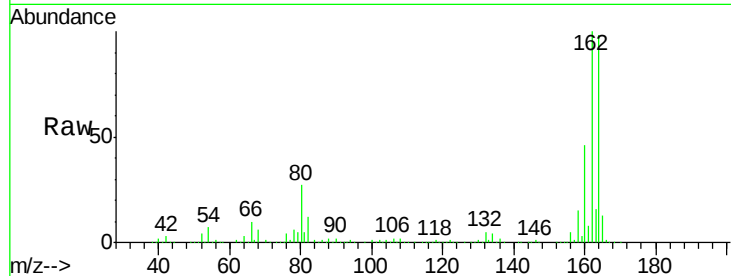
Tgt Ion:164 Resp: 596972

Ion Ratio Lower Upper

164 100

162 101.8 80.2 120.2

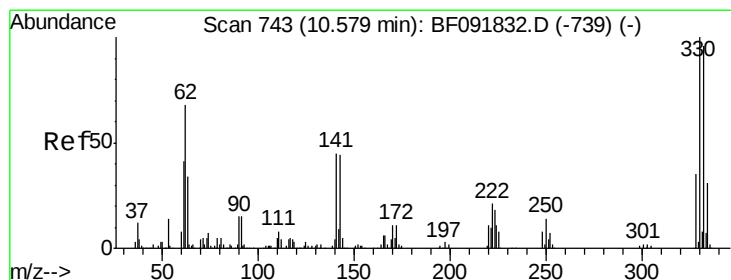
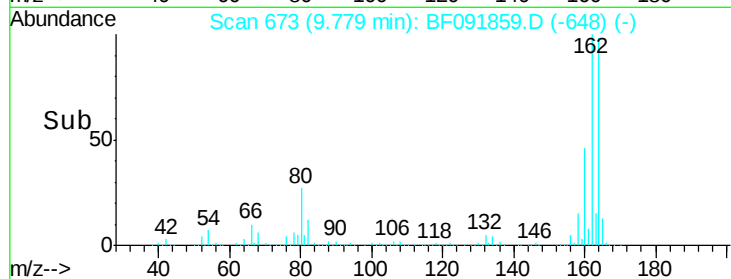
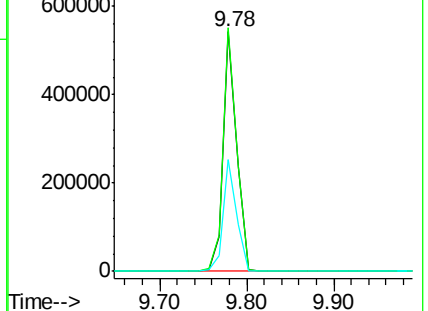
160 46.6 36.9 55.3



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: 154.30 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

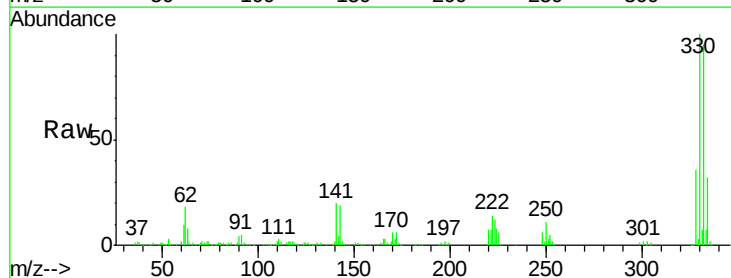
Tgt Ion:330 Resp: 762325

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

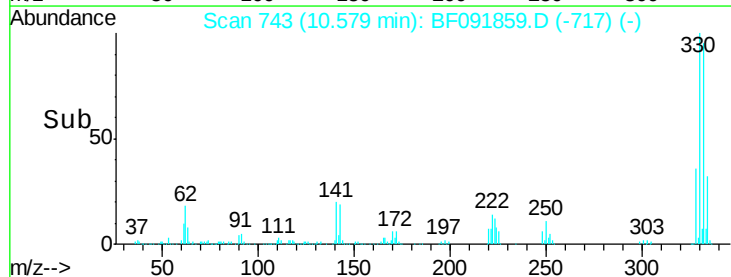
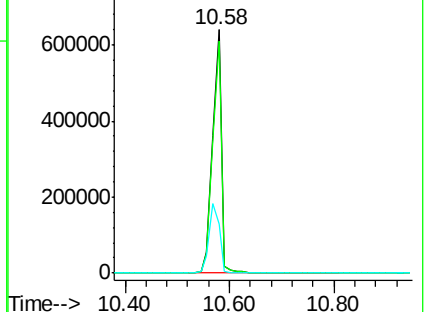
141 33.5 34.1 51.1#

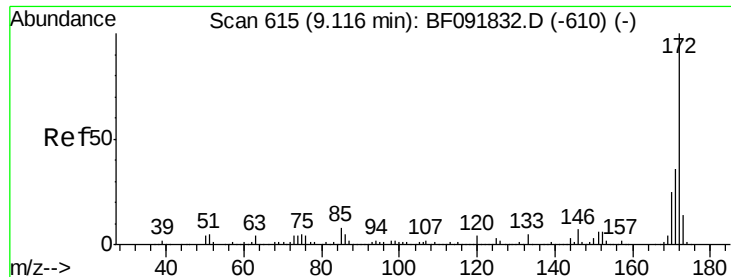


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

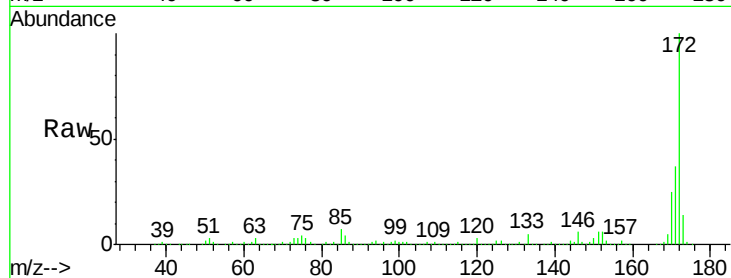




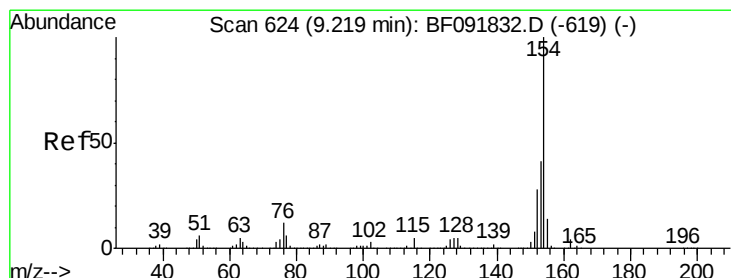
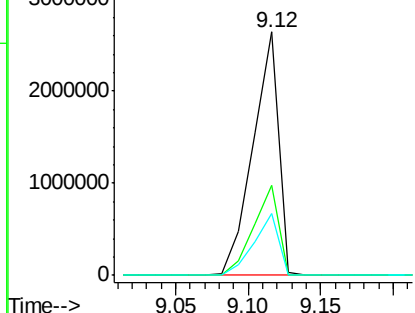
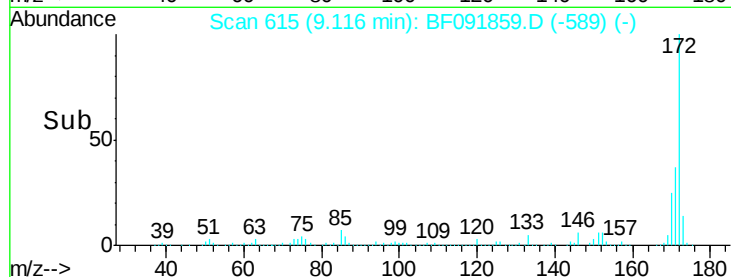
#44
 2-Fluorobiphenyl
 Concen: 115.92 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion:172 Resp: 3240745

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	25.4	20.2	30.4



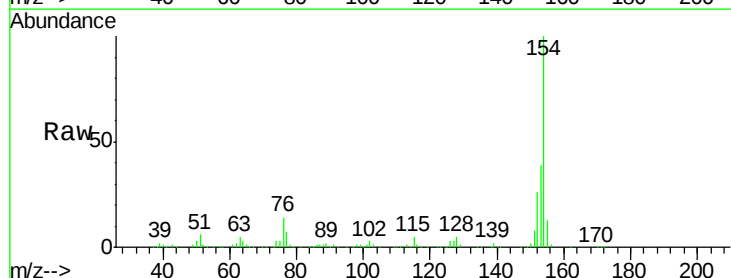
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



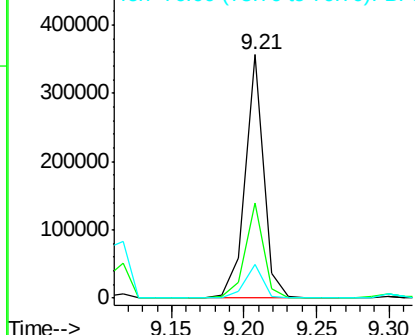
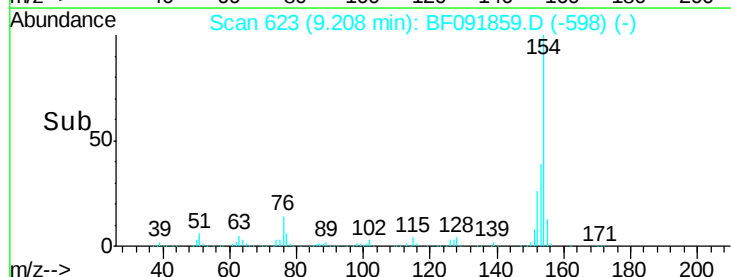
#45
 1,1'-Biphenyl
 Concen: 7.72 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

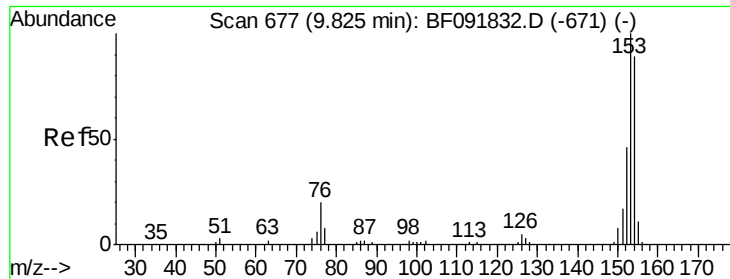
Tgt Ion:154 Resp: 315513

Ion	Ratio	Lower	Upper
154	100		
153	39.1	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





#51

Acenaphthene

Concen: 19.28 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

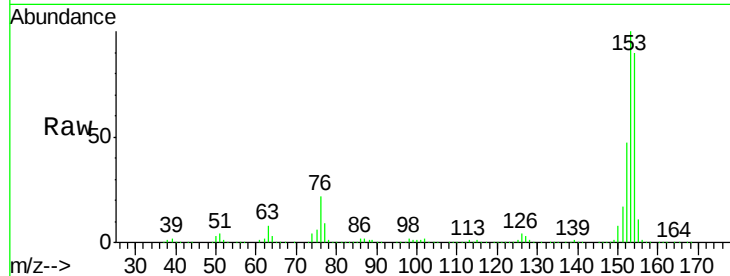
Tgt Ion:154 Resp: 650841

Ion Ratio Lower Upper

154 100

153 110.7 88.6 133.0

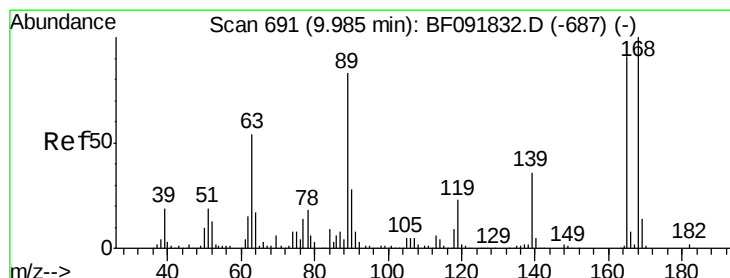
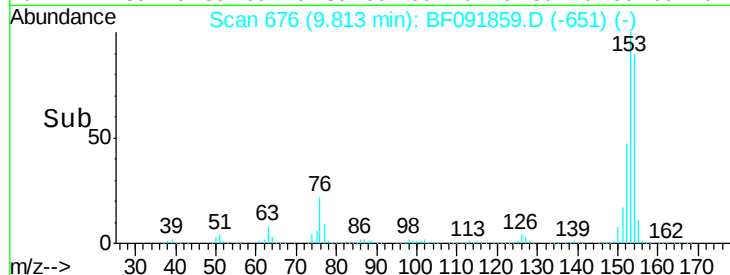
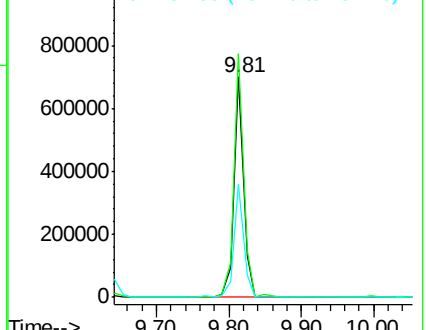
152 51.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 7.92 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Tgt Ion:165 Resp: 83063

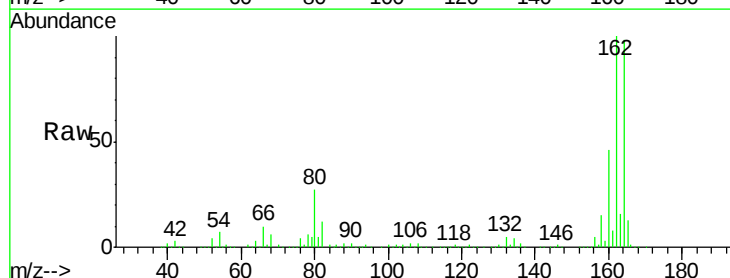
Ion Ratio Lower Upper

165 100

63 1.1 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

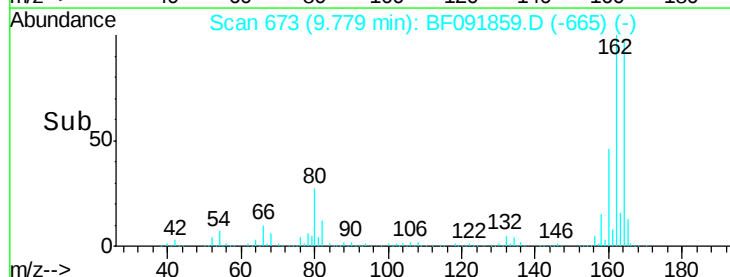
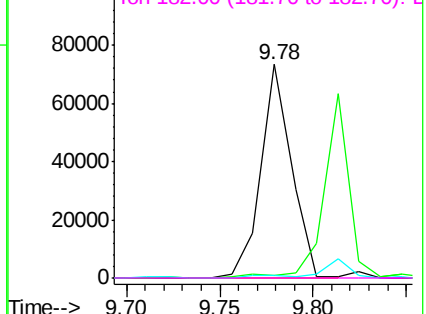


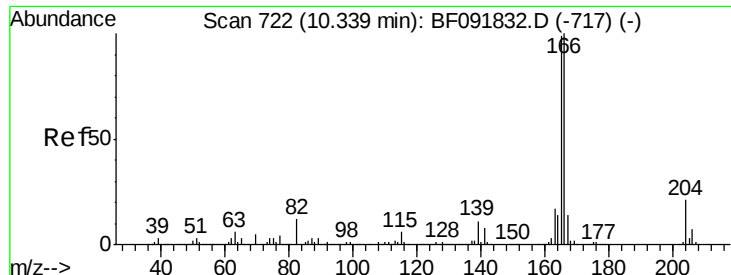
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

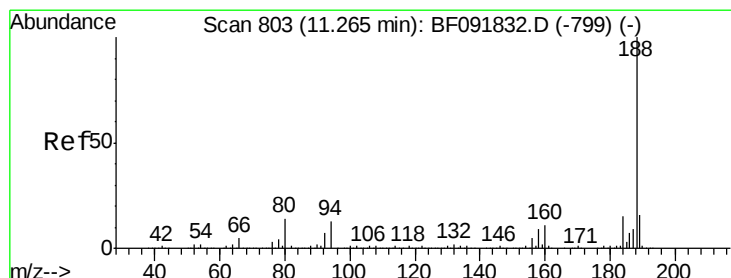
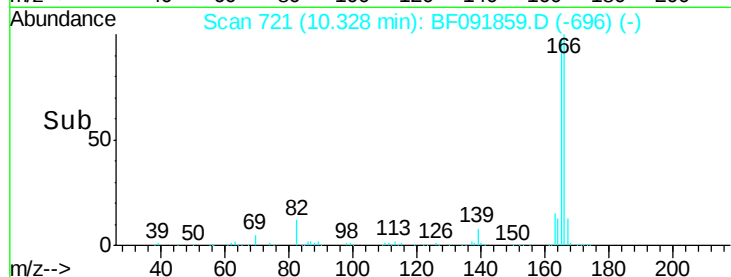
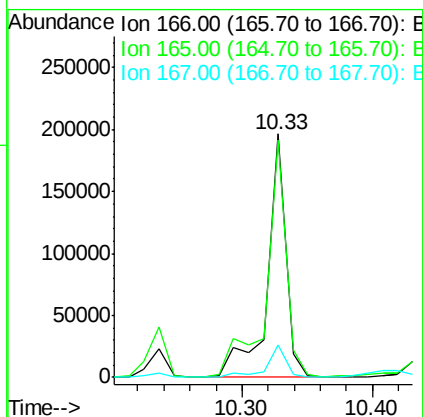
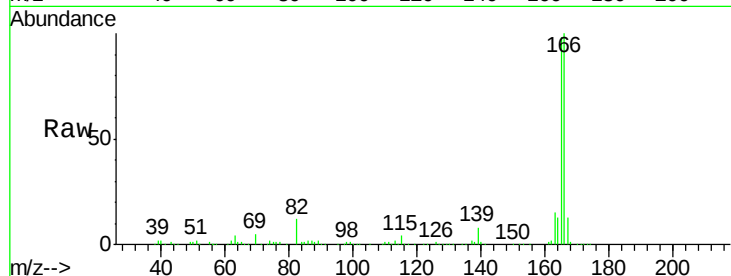
Ion 182.00 (181.70 to 182.70): E





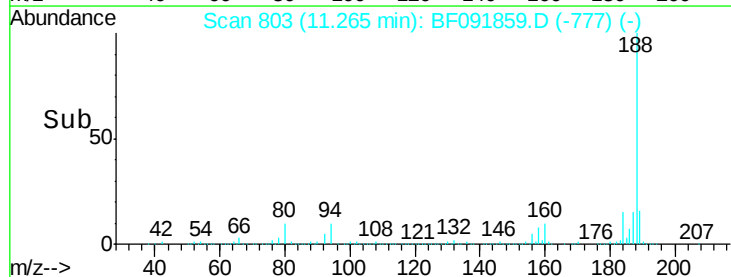
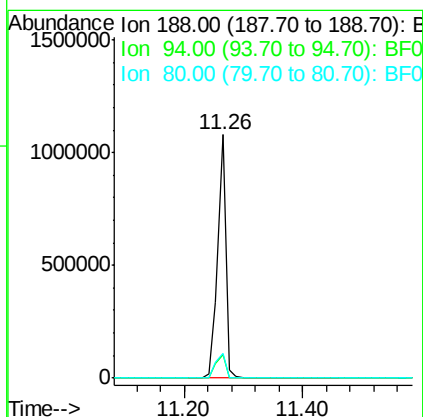
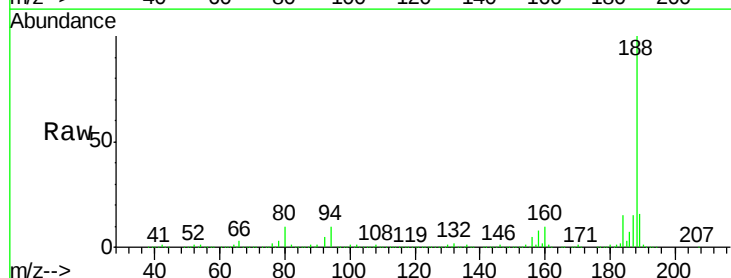
#57
 Fluorene
 Concen: 6.08 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

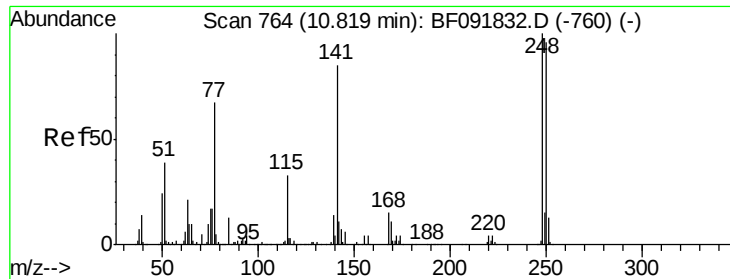
Tgt Ion:166 Resp: 201550
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.8 116.8
 167 13.3 10.8 16.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion:188 Resp: 1027016
 Ion Ratio Lower Upper
 188 100
 94 9.8 10.0 15.0#
 80 10.1 11.2 16.8#





#66

4-Bromophenyl-phenylether

Concen: 4.53 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

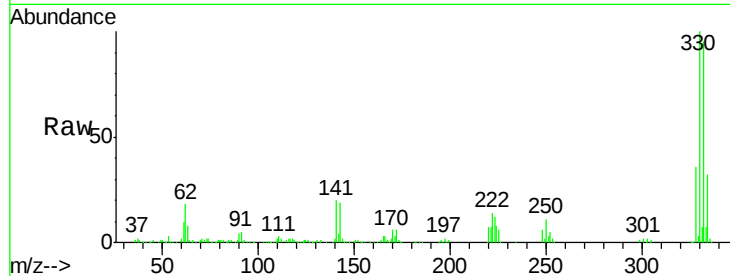
Tgt Ion:248 Resp: 48424

Ion Ratio Lower Upper

248 100

250 198.8 76.9 115.3#

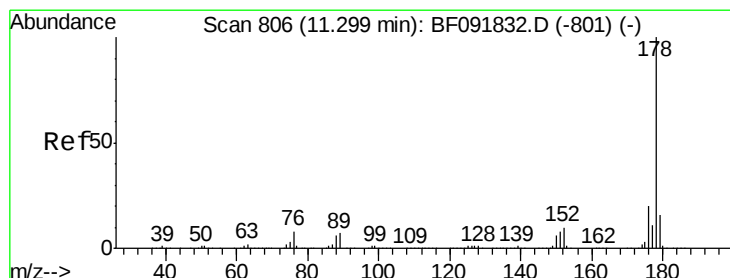
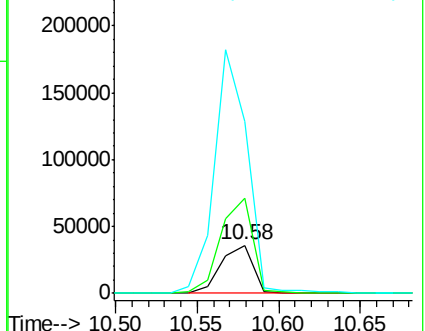
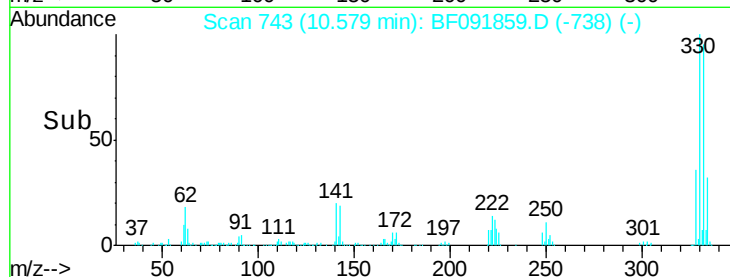
141 357.7 68.2 102.4#



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: 3.42 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

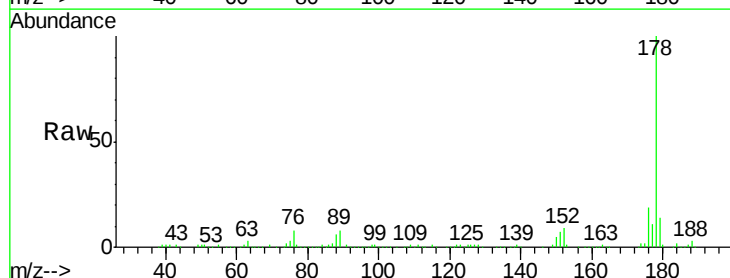
Tgt Ion:178 Resp: 190496

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

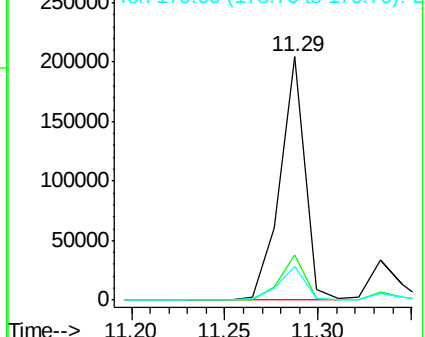
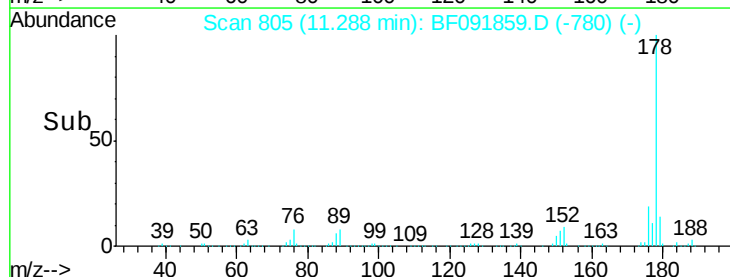
179 14.1 12.8 19.2

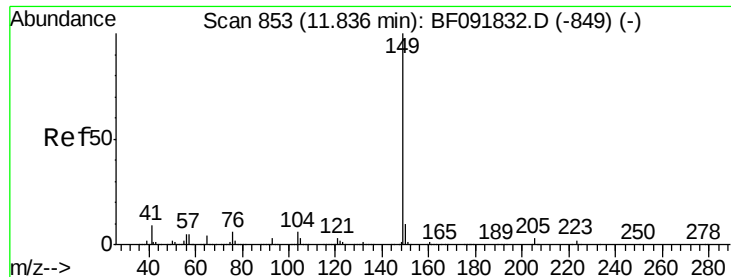


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

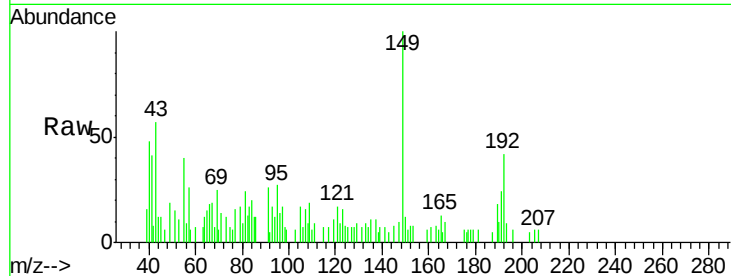
RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

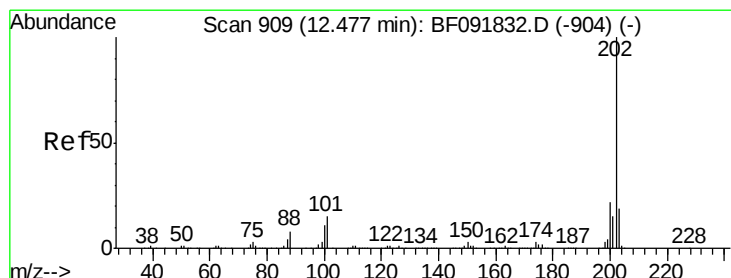
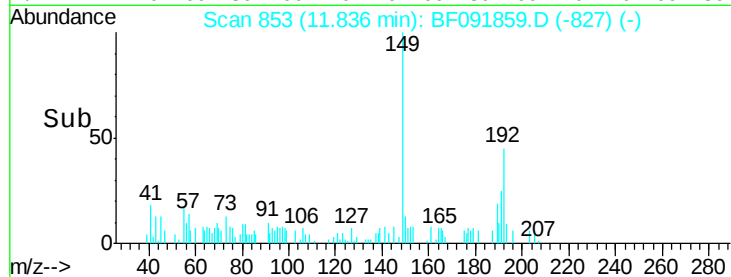
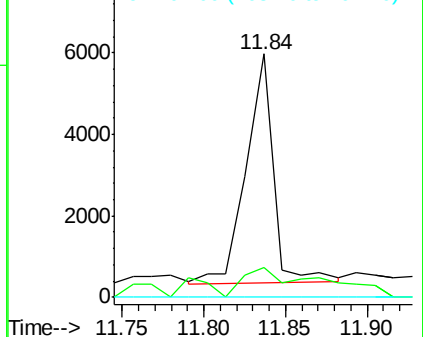
Tgt Ion:	149	Resp:	6460
Ion	Ratio	Lower	Upper
149	100		
150	12.5	8.1	12.1#
104	0.0	4.6	7.0#



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



#74

Fluoranthene

Concen: Below Cal

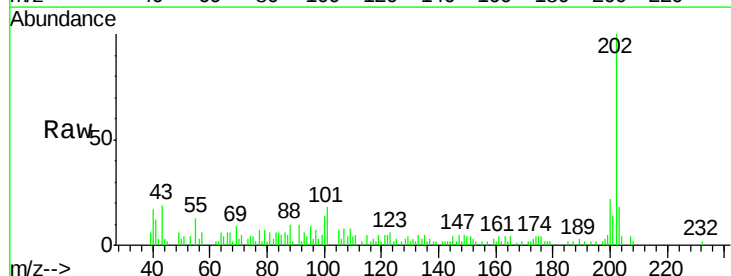
RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

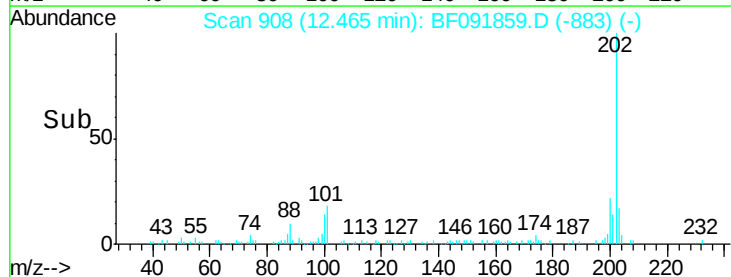
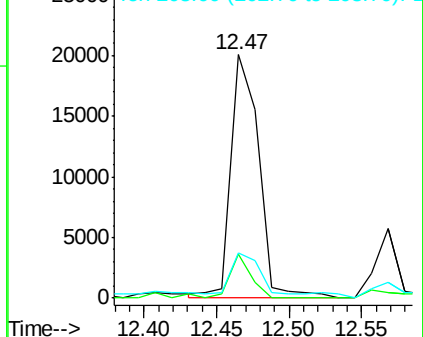
Tgt Ion:	202	Resp:	26876
Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	34.6
203	18.3	0.0	38.7

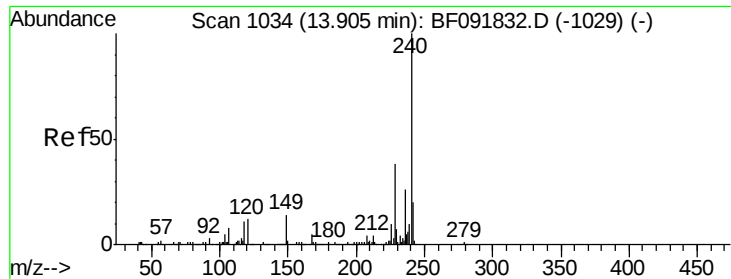


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

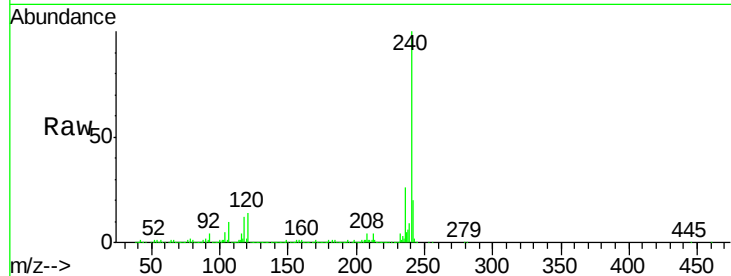
Tgt Ion:240 Resp: 818936

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

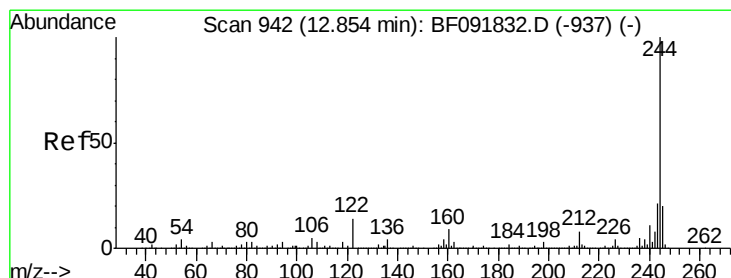
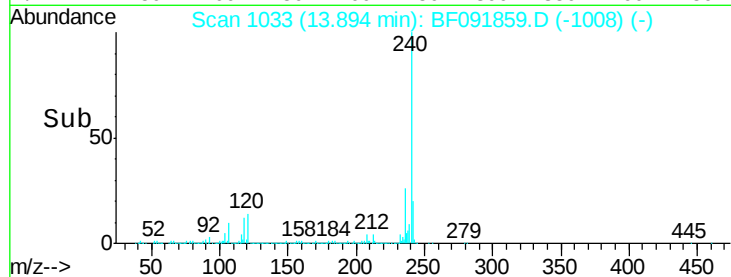
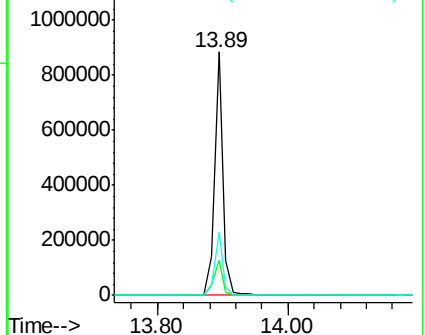
236 25.8 20.9 31.3



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: 74.10 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

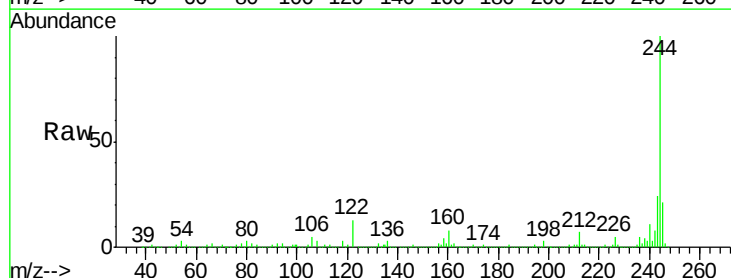
Tgt Ion:244 Resp: 2502060

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

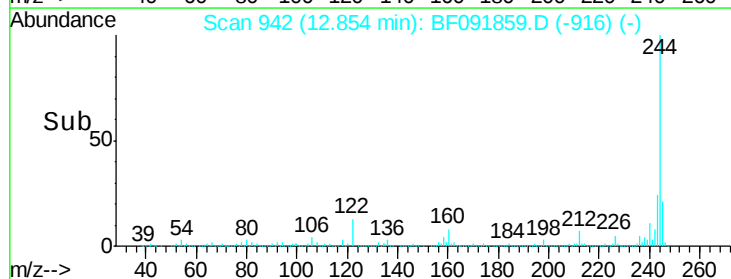
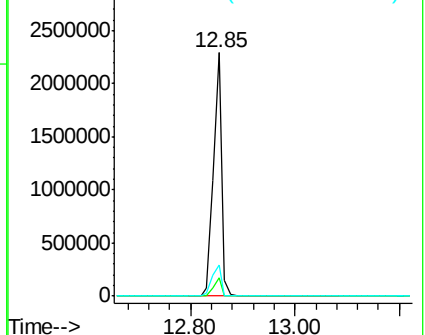
122 13.0 11.4 17.2

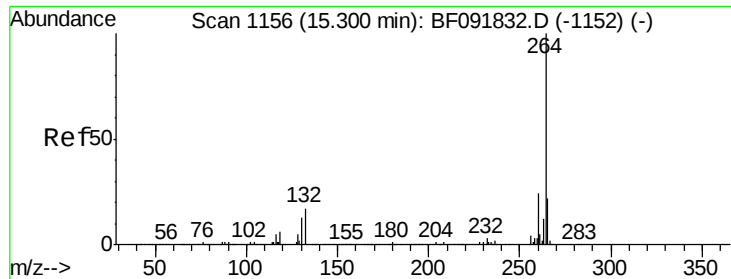


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

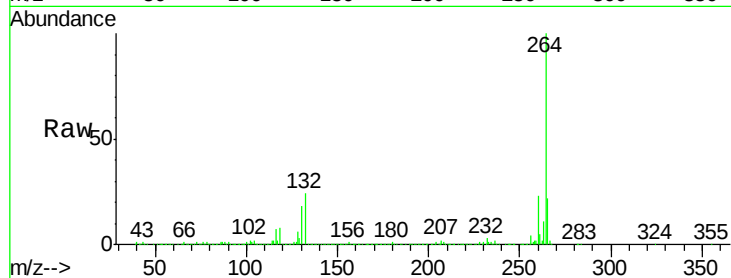
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion:	264	Resp:	653380
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	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

