

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122116\
 Data File : BF091856.D
 Acq On : 22 Dec 2016 1:40
 Operator : UM/SJ
 Sample : H6156-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 22 03:28:37 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	6.74	152	318424	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1293685	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	687896	20.00	ng	-0.01
63) Phenanthrene-d10	11.27	188	1177953	20.00	ng	0.00
75) Chrysene-d12	13.89	240	907020	20.00	ng	-0.01
86) Perylene-d12	15.29	264	727310	20.00	ng	-0.01

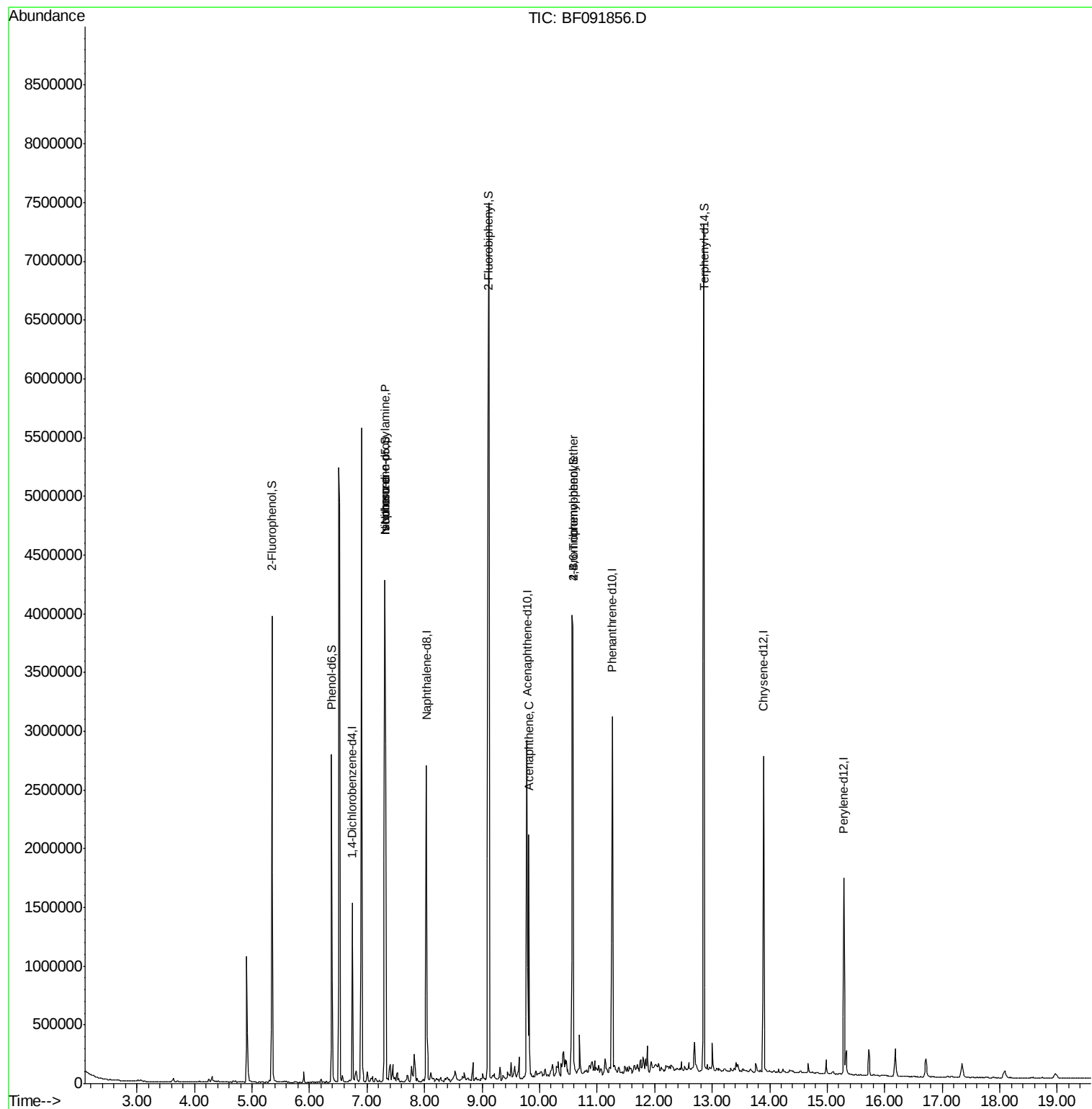
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1309733	68.68	ng	0.00
7) Phenol-d6	6.38	99	1022237	43.90	ng	-0.02
23) Nitrobenzene-d5	7.31	82	2188574	94.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	820537	144.13	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3446869	105.83	ng	0.00
78) Terphenyl-d14	12.85	244	2577444	68.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	1907	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.31	70	289044	18.66	ng	# 75
25) Isophorone	7.31	82	1679065	39.12	ng	# 65
51) Acenaphthene	9.81	154	447771	11.51	ng	# 98
66) 4-Bromophenyl-phenylether	10.58	248	51797	4.23	ng	# 1
71) Anthracene	11.33	178	6116	Below Cal	#	86
73) Di-n-butylphthalate	11.84	149	7018	Below Cal	#	74
74) Fluoranthene	12.47	202	36032	Below Cal	#	98
76) Benzydine	12.56	184	2513	Below Cal	#	1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

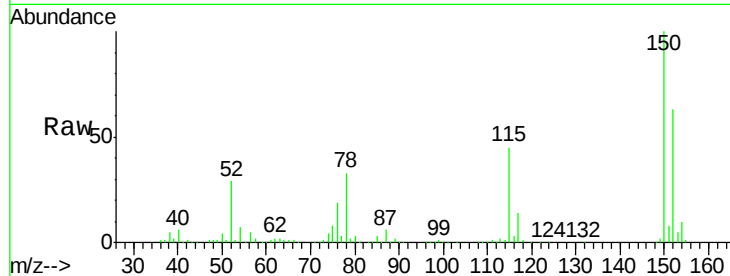
Tgt Ion:152 Resp: 318424

Ion Ratio Lower Upper

152 100

150 158.5 124.9 187.3

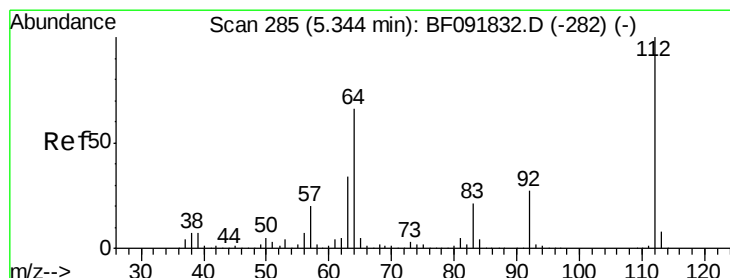
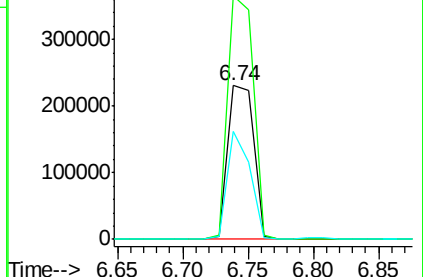
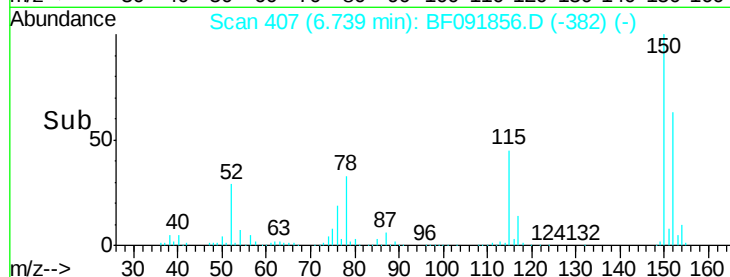
115 70.6 46.0 69.0#



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: 68.68 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

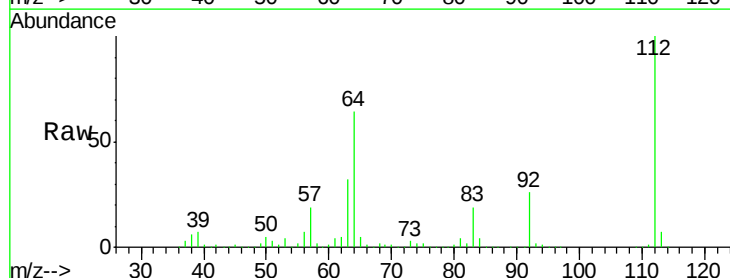
Tgt Ion:112 Resp: 1309733

Ion Ratio Lower Upper

112 100

64 64.3 46.1 69.1

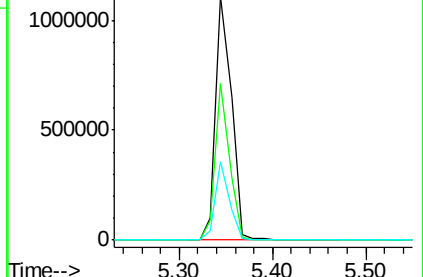
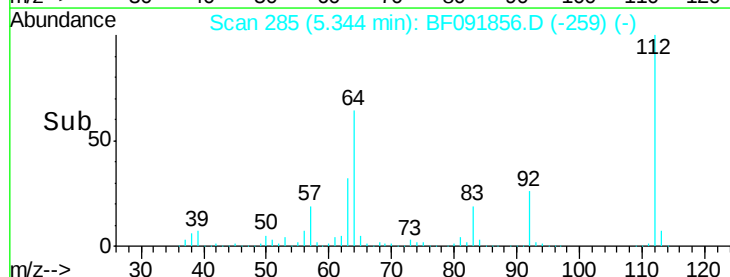
63 32.1 23.8 35.6

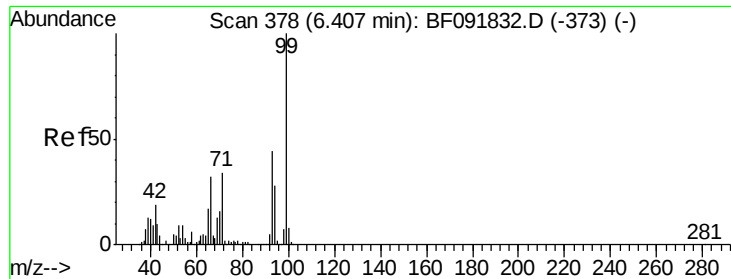


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.90 ng

RT: 6.38 min Scan# 376

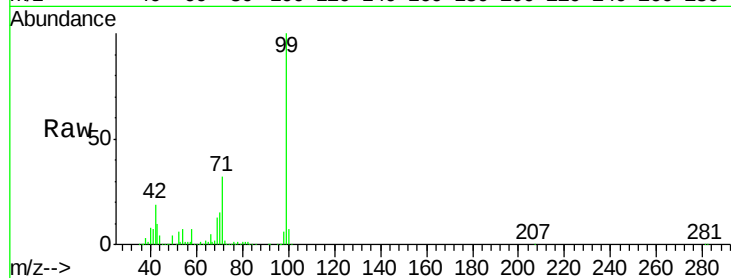
Delta R.T. -0.02 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

Tgt Ion: 99 Resp: 1022237

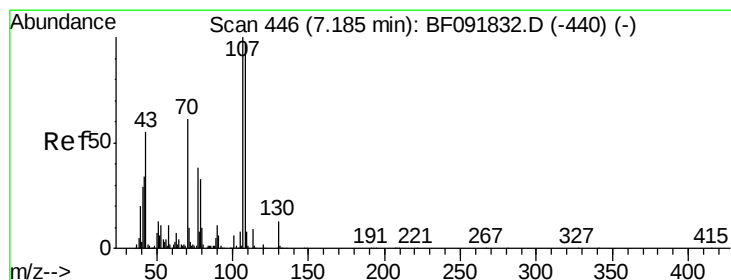
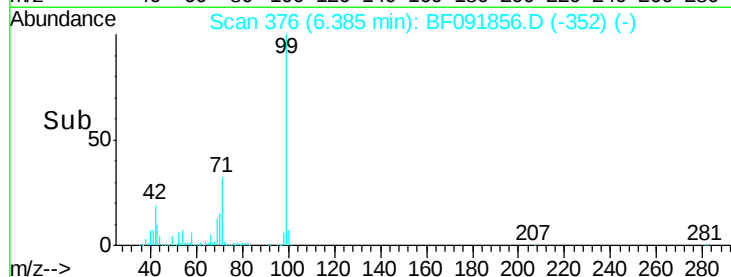
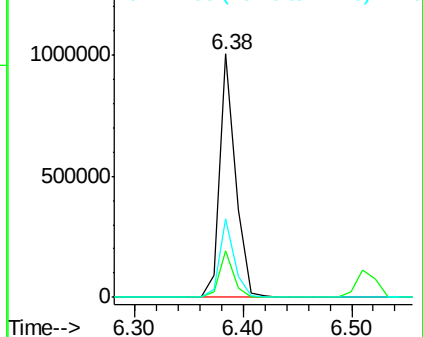
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.6	23.4
71	32.4	27.5	41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.66 ng

RT: 7.31 min Scan# 457

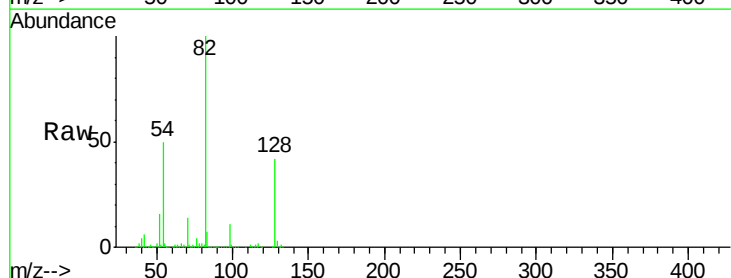
Delta R.T. 0.13 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

Tgt Ion: 70 Resp: 289044

Ion	Ratio	Lower	Upper
70	100		
42	45.1	49.4	74.0#
101	0.0	7.4	11.2#
130	2.3	14.2	21.4#

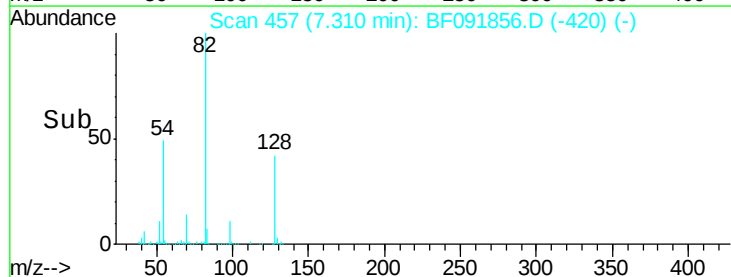
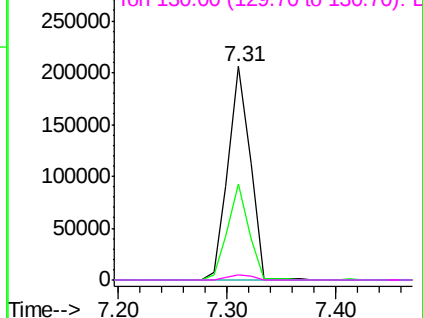


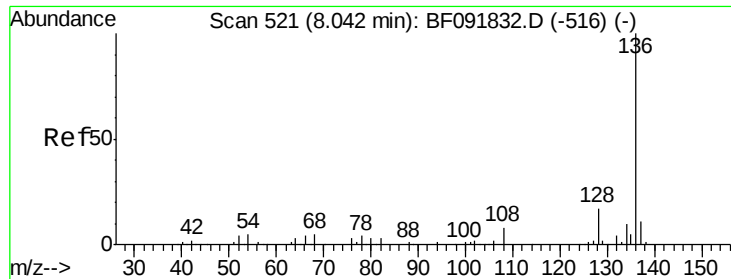
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

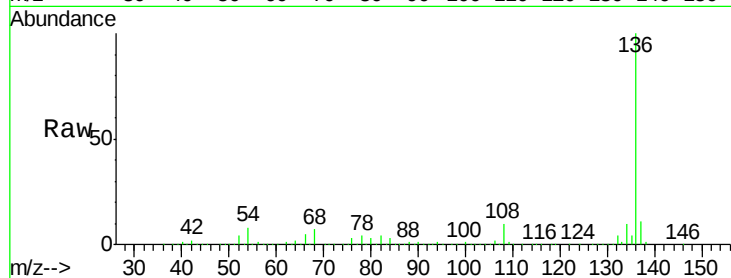
Ion 130.00 (129.70 to 130.70): BF0



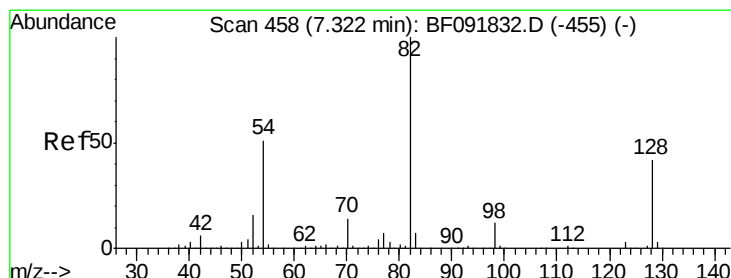
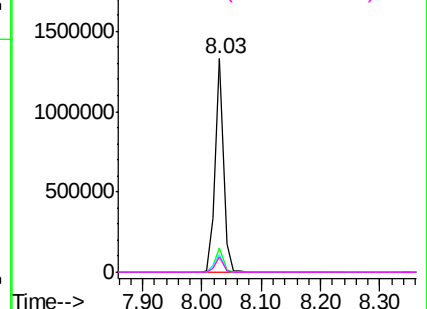
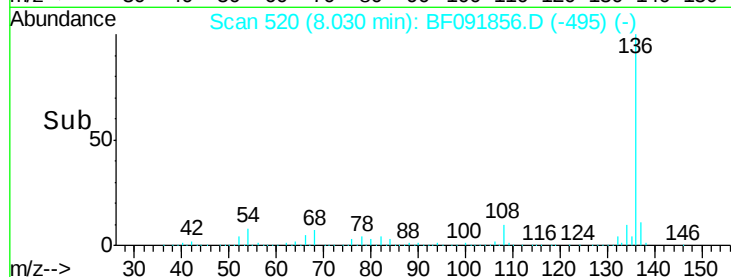


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091856.D
Acq: 22 Dec 2016 1:40

Tgt Ion:	136	Resp:	1293685
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.5	4.5	6.7#
68	7.1	3.6	5.4#

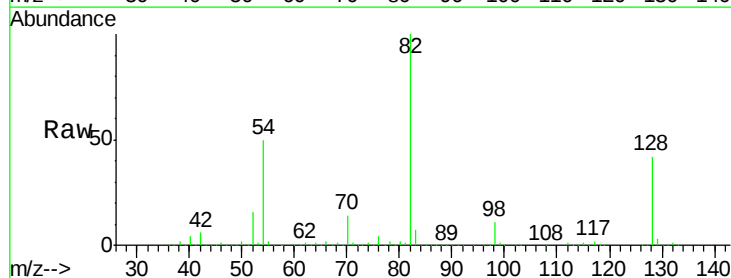


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

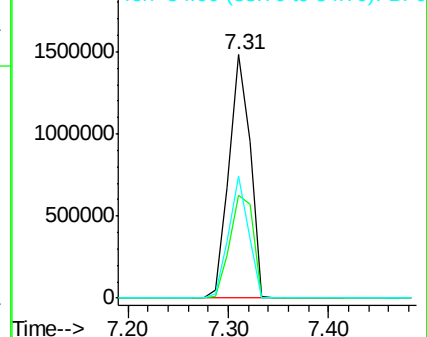
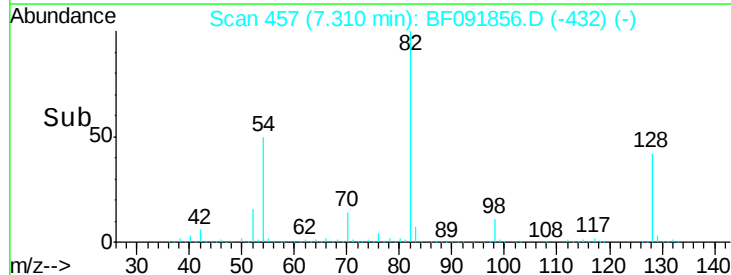


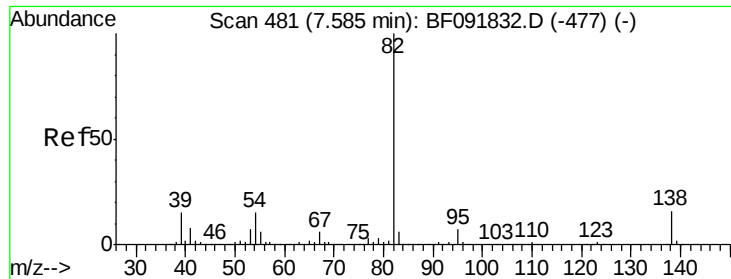
#23
Nitrobenzene-d5
Concen: 94.07 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091856.D
Acq: 22 Dec 2016 1:40

Tgt Ion:	82	Resp:	2188574
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	50.2	39.5	59.3



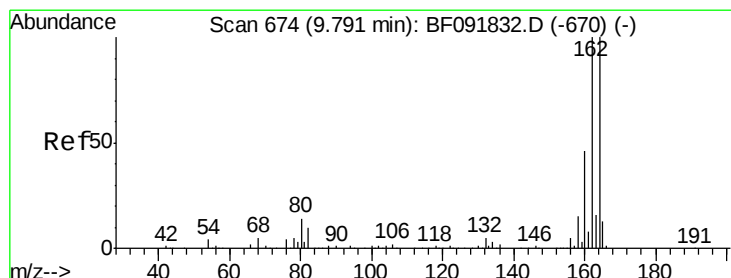
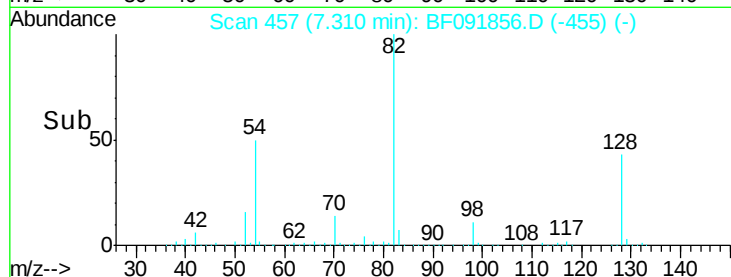
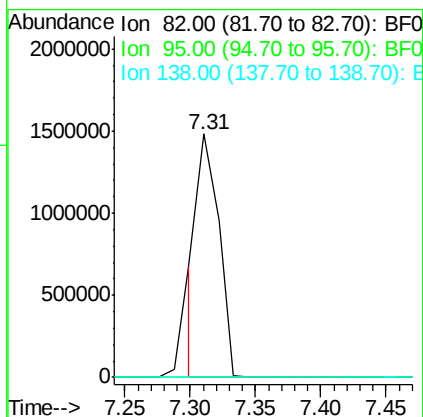
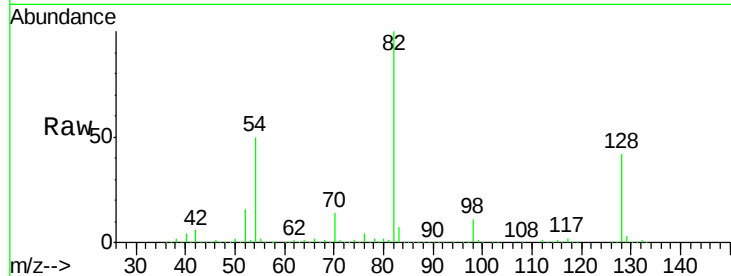
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





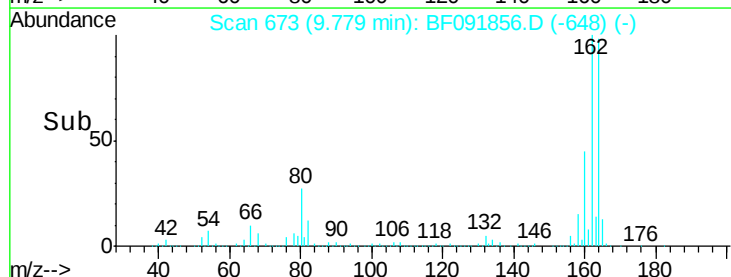
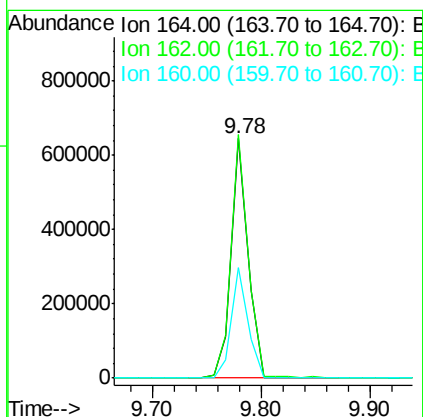
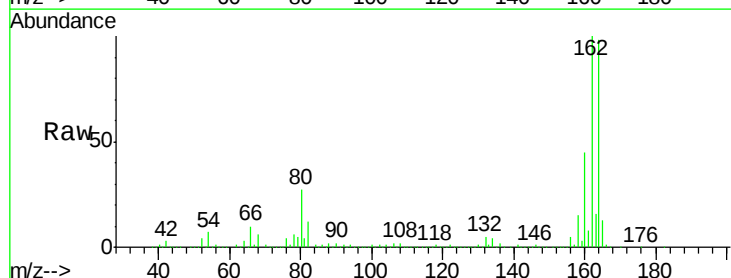
#25
Isophorone
Concen: 39.12 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.27 min
Lab File: BF091856.D
Acq: 22 Dec 2016 1:40

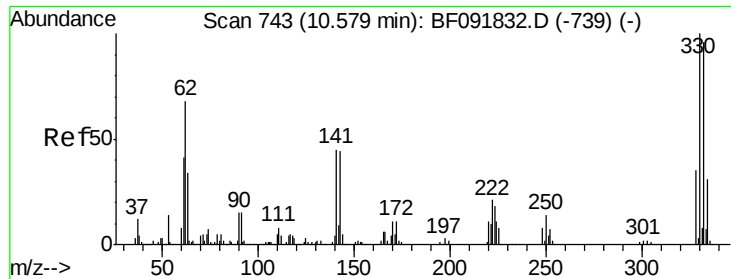
Tgt Ion: 82 Resp: 1679065
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091856.D
Acq: 22 Dec 2016 1:40

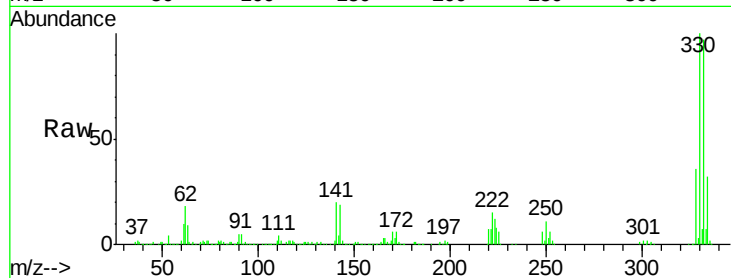
Tgt Ion: 164 Resp: 687896
Ion Ratio Lower Upper
164 100
162 101.7 80.2 120.2
160 45.9 36.9 55.3



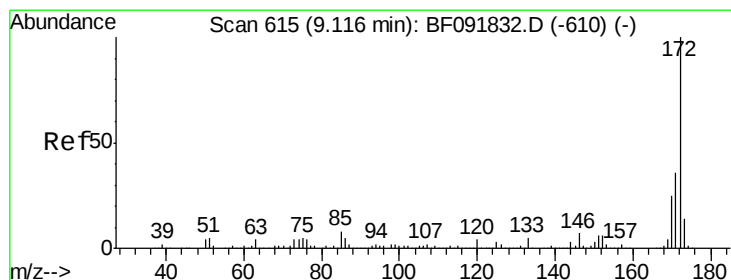
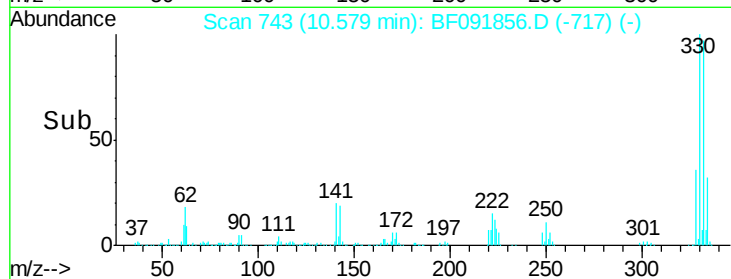
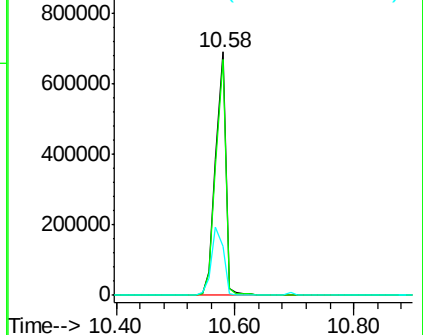


#41
 2,4,6-Tribromophenol
 Concen: 144.13 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF091856.D
 Acq: 22 Dec 2016 1:40

Tgt Ion:330 Resp: 820537
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 33.3 34.1 51.1#

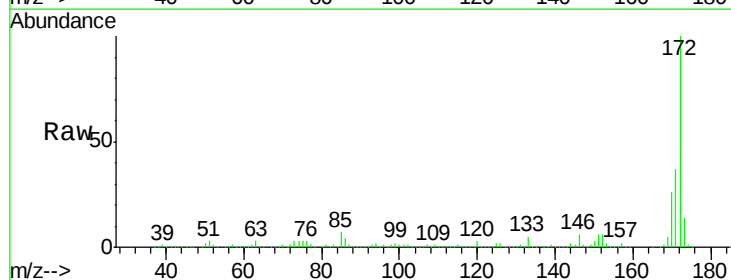


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

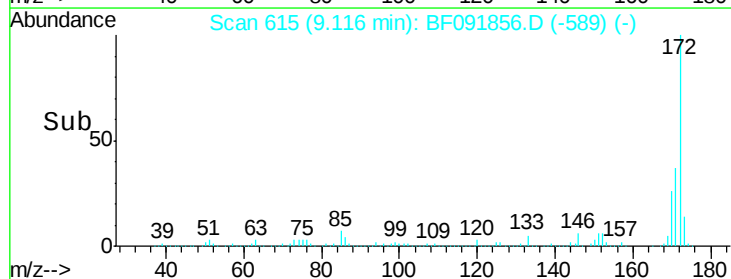
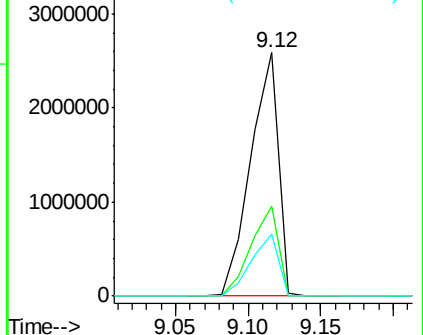


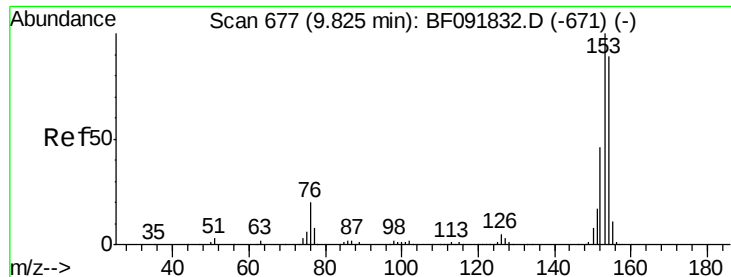
#44
 2-Fluorobiphenyl
 Concen: 105.83 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091856.D
 Acq: 22 Dec 2016 1:40

Tgt Ion:172 Resp: 3446869
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.4 44.0
 170 25.5 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





#51

Acenaphthene

Concen: 11.51 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

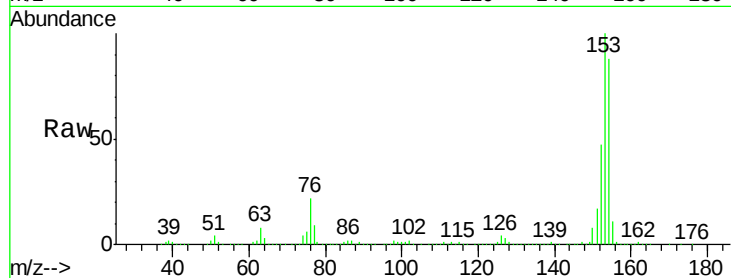
Tgt Ion:154 Resp: 447771

Ion Ratio Lower Upper

154 100

153 113.1 88.6 133.0

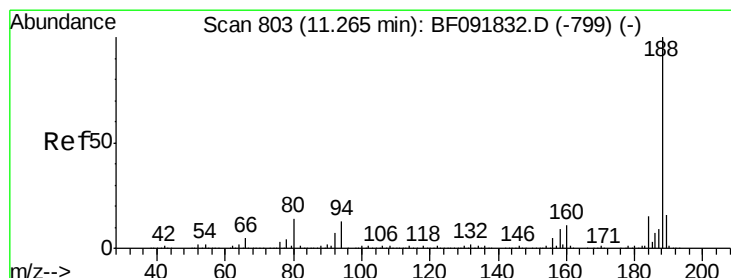
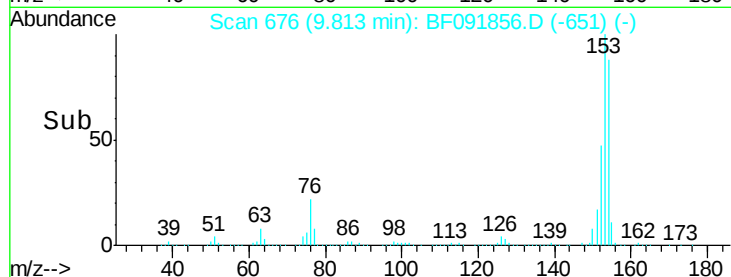
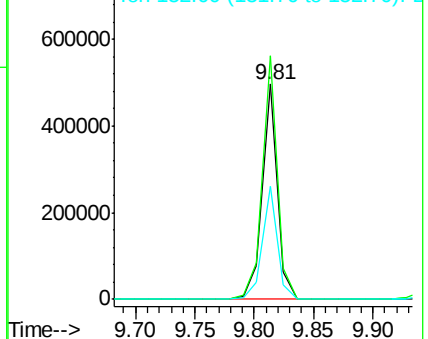
152 52.8 41.6 62.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

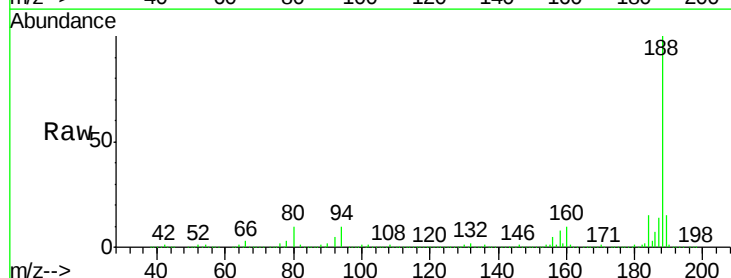
Tgt Ion:188 Resp: 1177953

Ion Ratio Lower Upper

188 100

94 9.6 10.0 15.0#

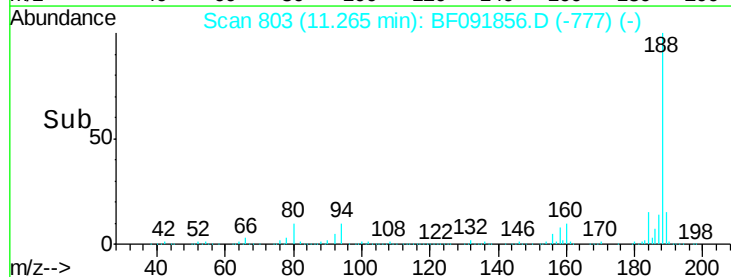
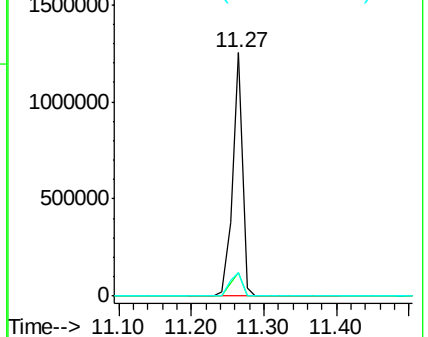
80 9.9 11.2 16.8#

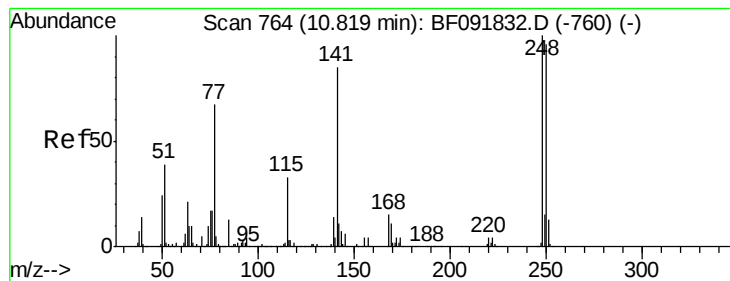


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.23 ng

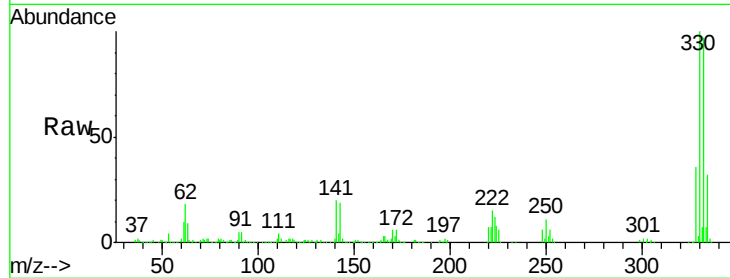
RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

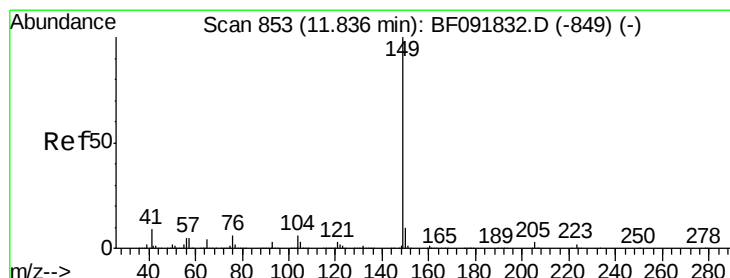
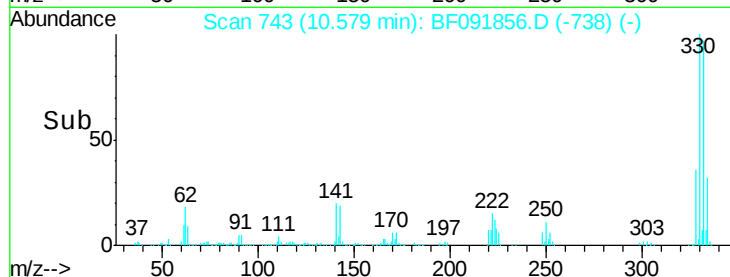
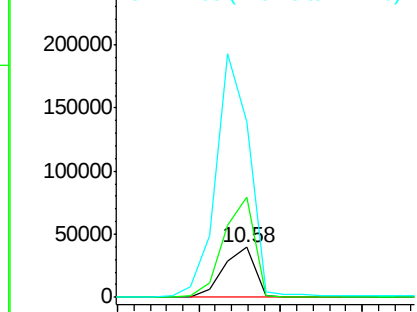
Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

Tgt Ion:	248	Resp:	51797
Ion	Ratio	Lower	Upper
248	100		
250	198.9	76.9	115.3#
141	351.7	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



#73

Di-n-butylphthalate

Concen: Below Cal

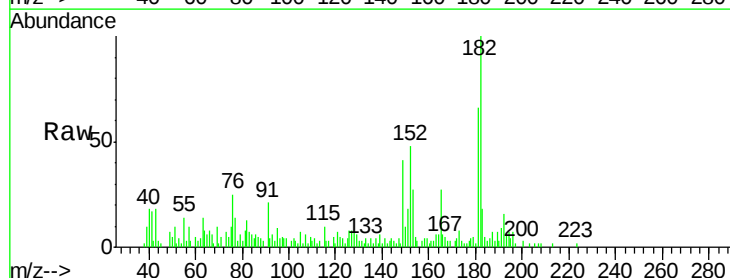
RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

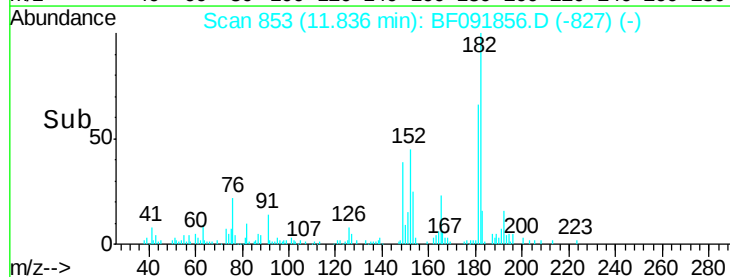
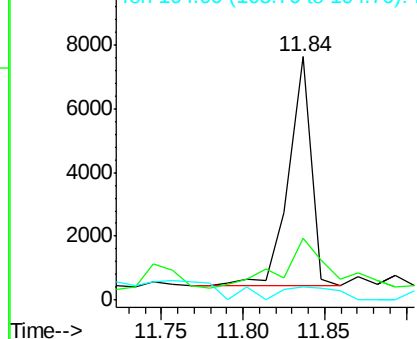
Lab File: BF091856.D

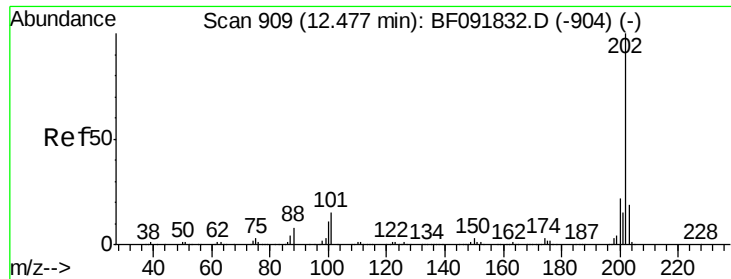
Acq: 22 Dec 2016 1:40

Tgt Ion:	149	Resp:	7018
Ion	Ratio	Lower	Upper
149	100		
150	25.3	8.1	12.1#
104	5.6	4.6	7.0



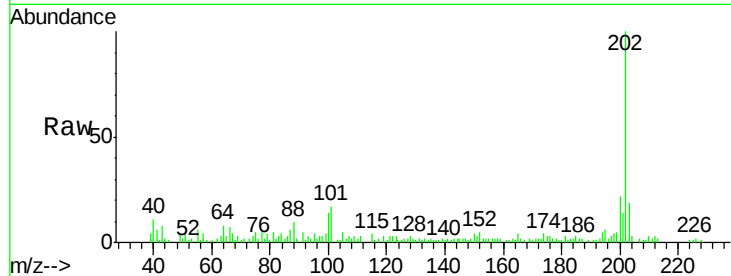
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



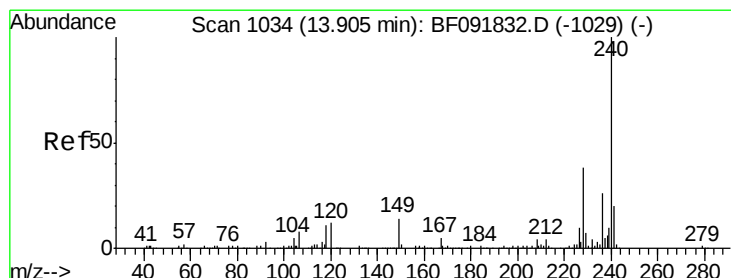
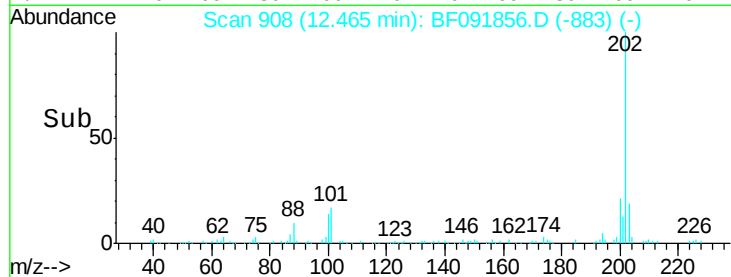
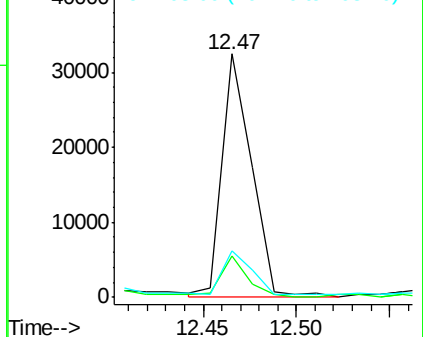


#74
 Fluoranthene
 Concen: Below Cal
 RT: 12.47 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF091856.D
 Acq: 22 Dec 2016 1:40

Tgt Ion:	202	Resp:	36032
Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	34.6
203	18.8	0.0	38.7

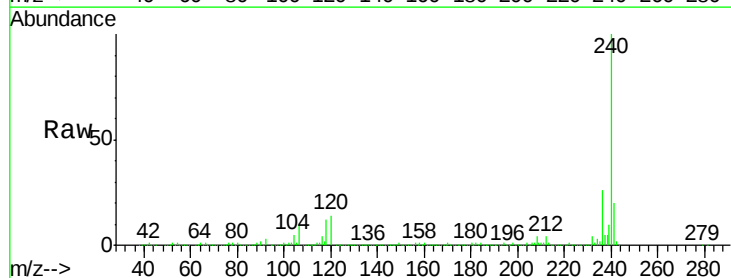


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

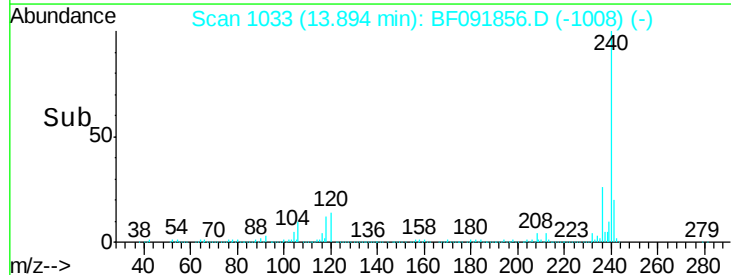
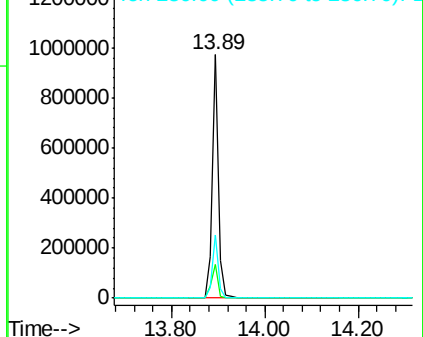


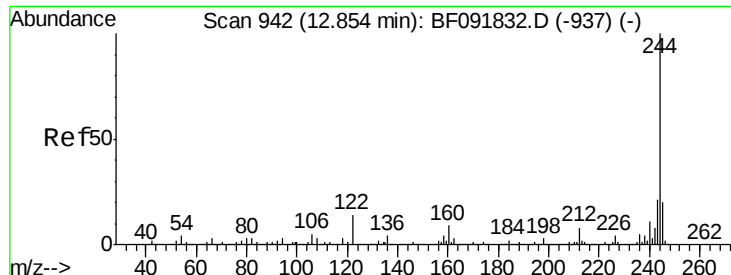
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF091856.D
 Acq: 22 Dec 2016 1:40

Tgt Ion:	240	Resp:	907020
Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.9	19.3
236	26.0	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: 68.92 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF091856.D

Acq: 22 Dec 2016 1:40

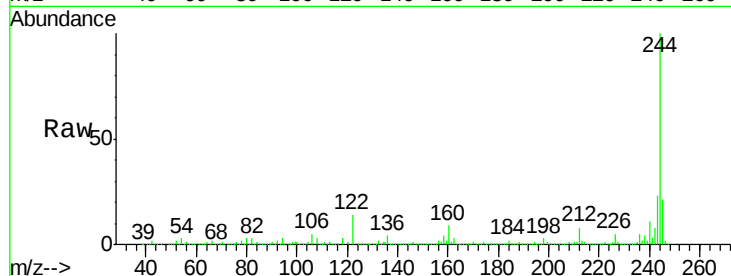
Tgt Ion:244 Resp: 2577444

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

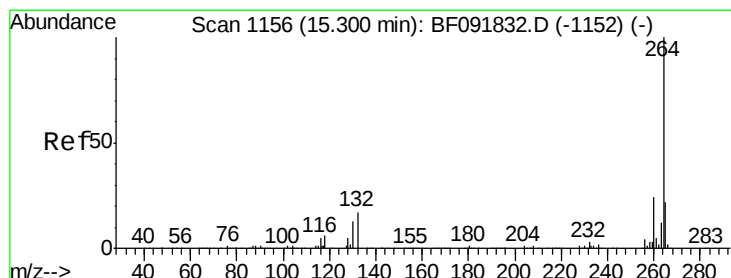
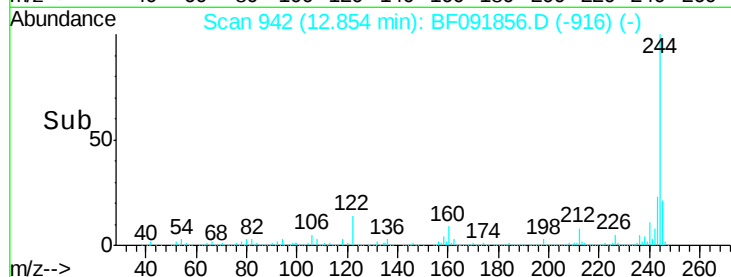
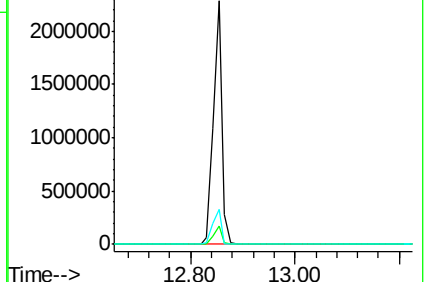
122 14.1 11.4 17.2



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: BF091856.D

Acq: 22 Dec 2016 1:40

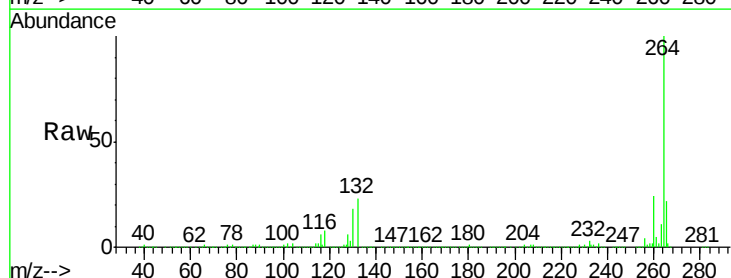
Tgt Ion:264 Resp: 727310

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.7 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

