

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094825.D
 Acq On : 3 May 2017 9:24
 Operator : SJ/MA
 Sample : I2921-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 03 11:45:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	87492	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	366585	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	158068	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	249685	20.00	ng	0.00
75) Chrysene-d12	18.64	240	203219	20.00	ng	-0.01
86) Perylene-d12	20.31	264	164351	20.00	ng	0.00

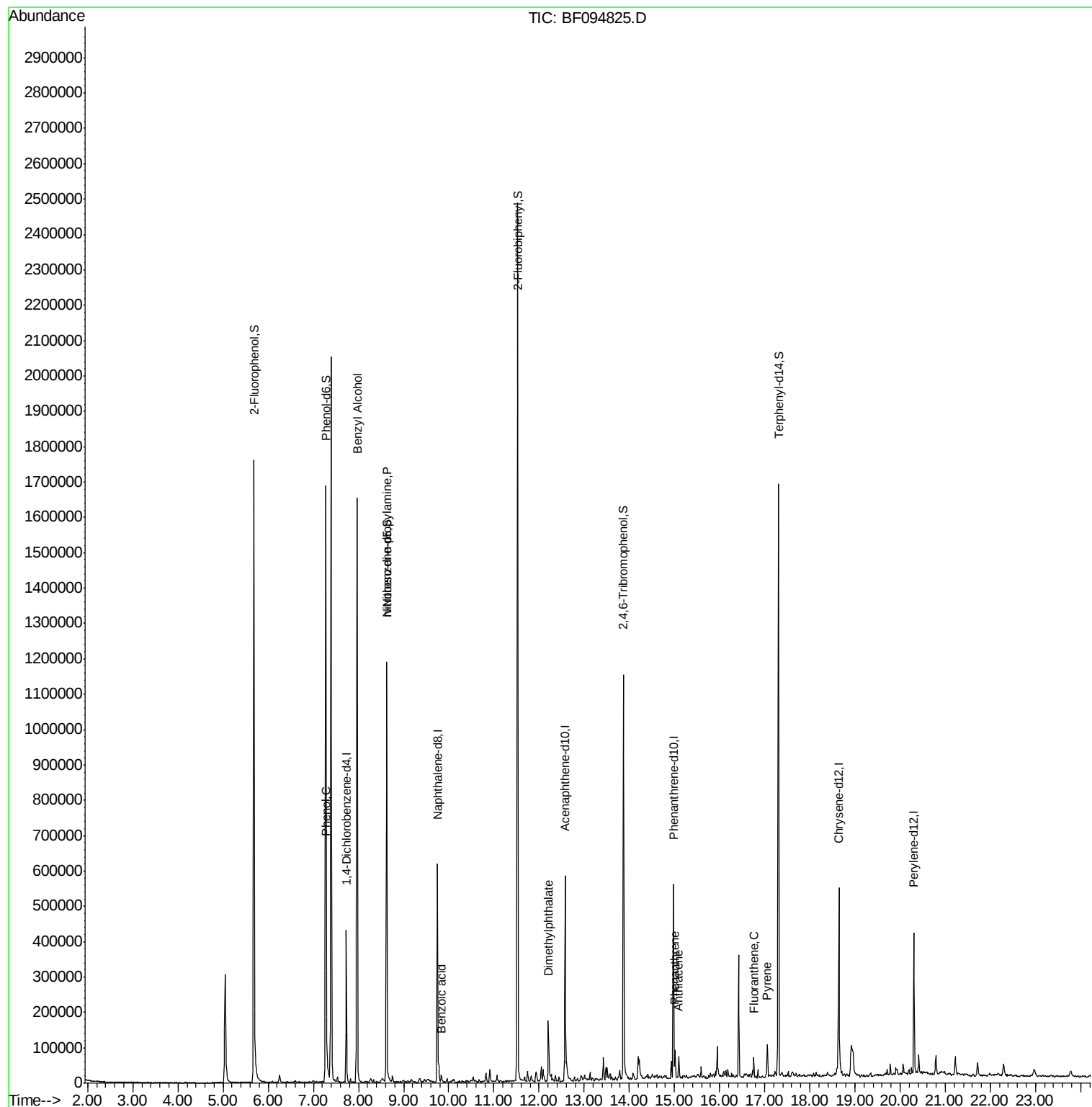
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	772451	147.20	ng	0.00
7) Phenol-d6	7.28	99	926708	147.18	ng	0.00
23) Nitrobenzene-d5	8.63	82	557882	95.96	ng	0.00
41) 2,4,6-Tribromophenol	13.87	330	180500	139.43	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	1049589	95.57	ng	0.00
78) Terphenyl-d14	17.31	244	641402	69.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	16774	2.53	ng	86
15) Benzyl Alcohol	7.97	79	8803	2.17	ng	# 46
19) n-Nitroso-di-n-propylamine	8.63	70	73518	17.26	ng	# 76
32) Benzoic acid	9.85	122	257	5.15	ng	90
49) Dimethylphthalate	12.21	163	101726	7.84	ng	100
70) Phenanthrene	15.01	178	40765	2.84	ng	98
71) Anthracene	15.09	178	35575	2.43	ng	99
74) Fluoranthene	16.76	202	31056	2.11	ng	97
77) Pyrene	17.06	202	40572	2.67	ng	# 92

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

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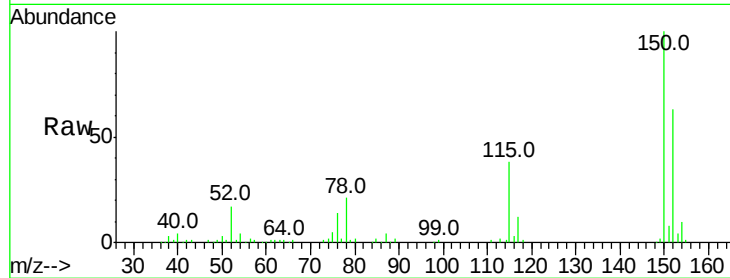




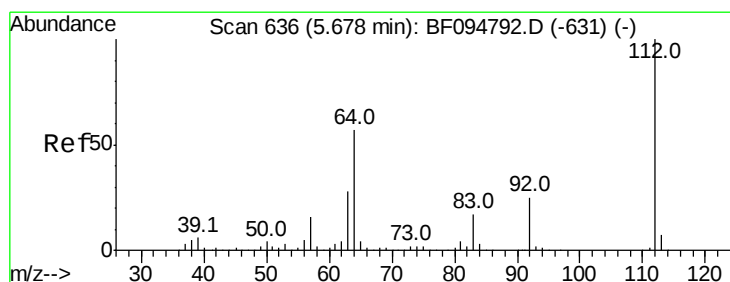
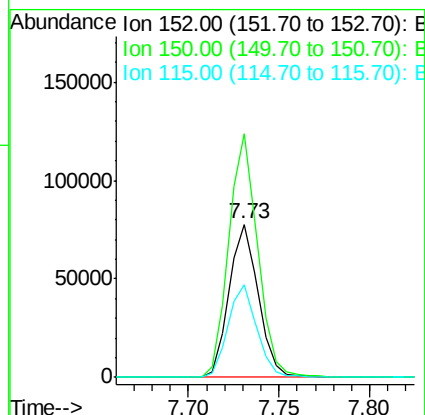
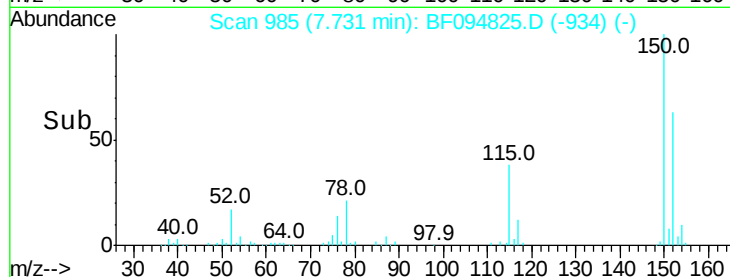
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.73 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF094825.D
Acq: 3 May 2017 9:24

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	60.4	52.2	78.2



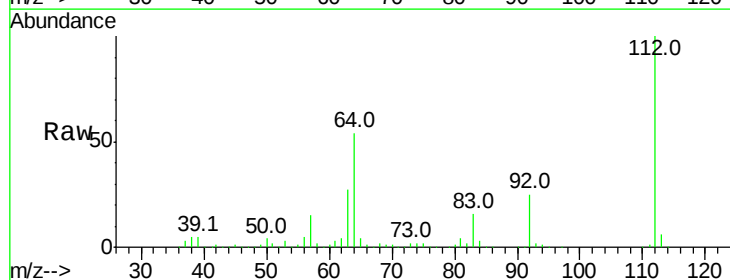
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



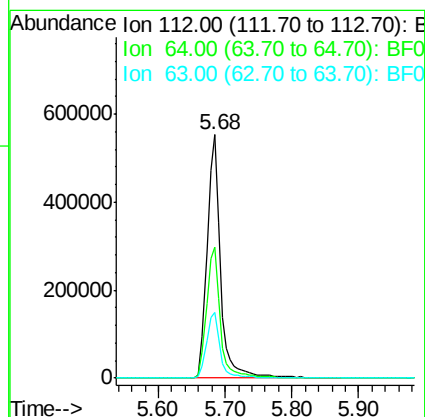
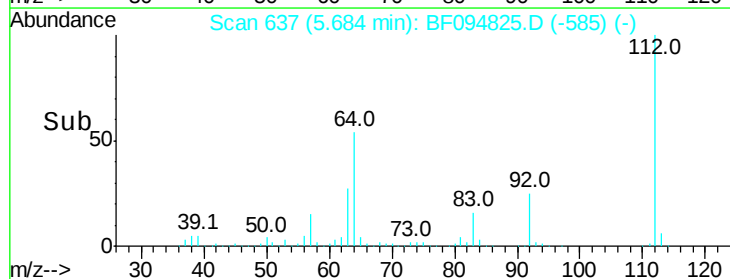
#5

2-Fluorophenol
Concen: 147.20 ng
RT: 5.68 min Scan# 637
Delta R.T. 0.01 min
Lab File: BF094825.D
Acq: 3 May 2017 9:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	27.0	23.4	35.0



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: 147.18 ng

RT: 7.28 min Scan# 908

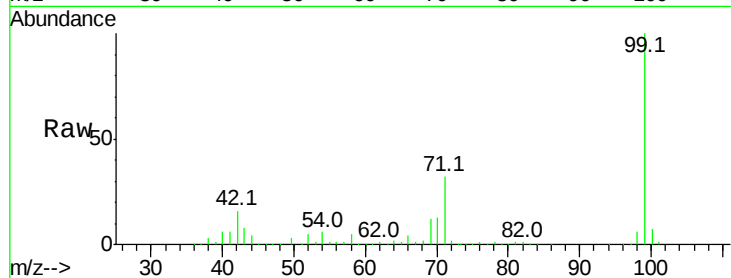
Delta R.T. 0.00 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

Tot Ion: 99 Resp: 926708

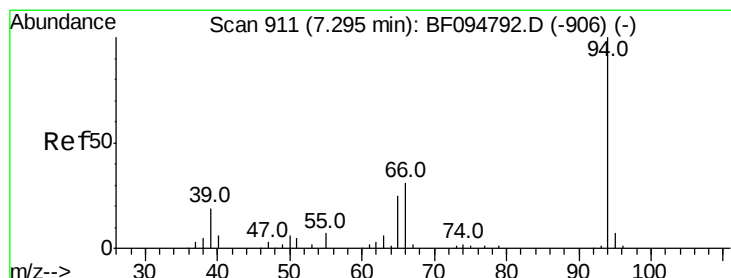
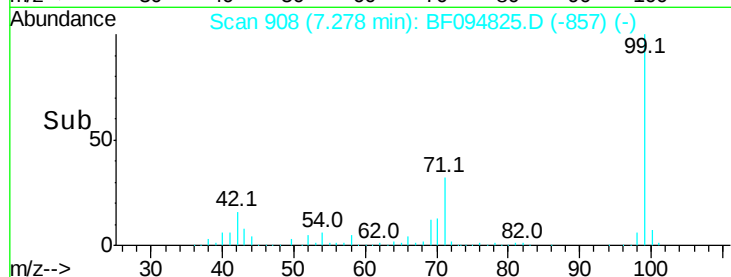
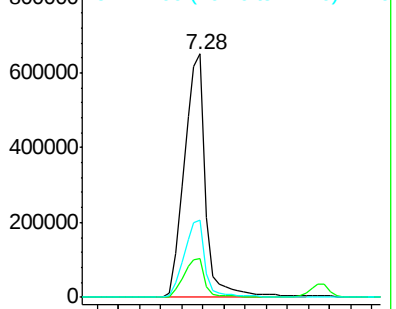
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	31.7	24.5	36.7



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: 2.53 ng

RT: 7.29 min Scan# 910

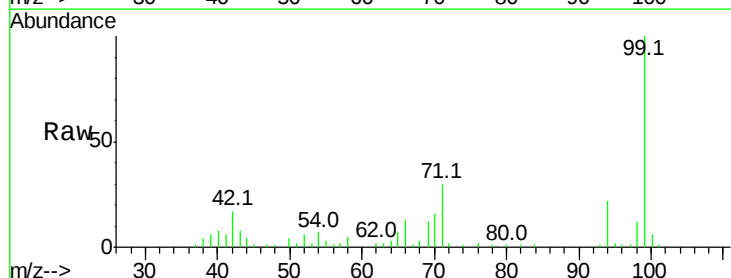
Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

Tgt Ion: 94 Resp: 16774

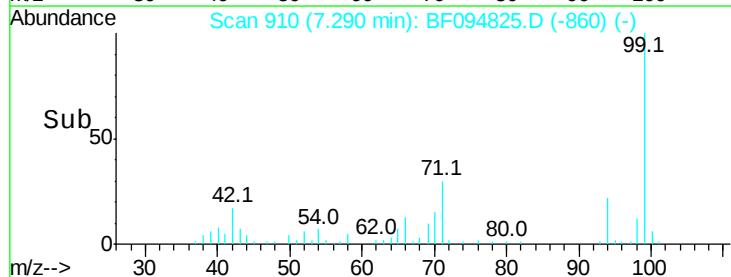
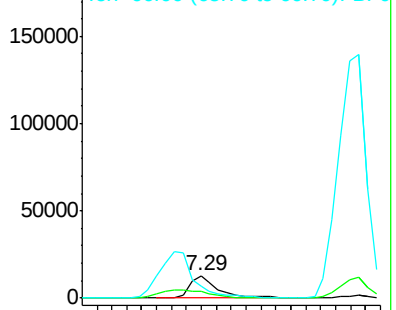
Ion	Ratio	Lower	Upper
94	100		
65	32.8	9.9	49.9
66	56.0	23.1	63.1

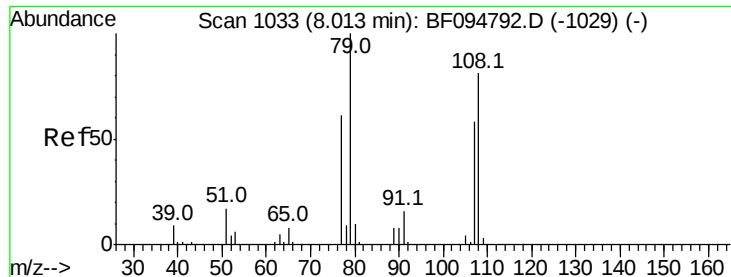


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 7.97 min Scan# 1026

Delta R.T. -0.04 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

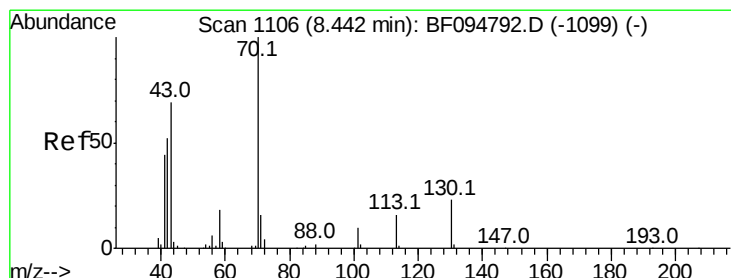
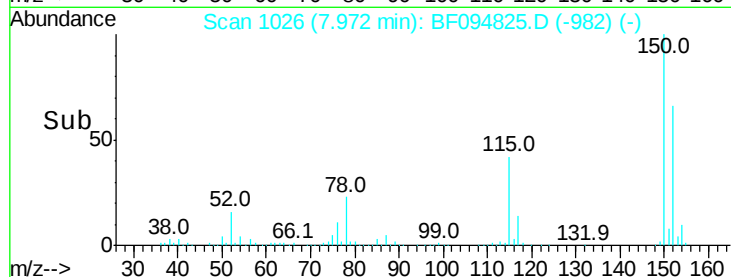
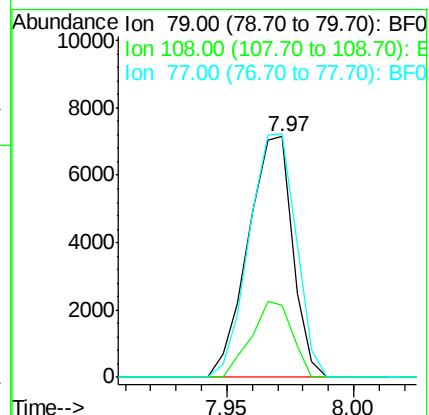
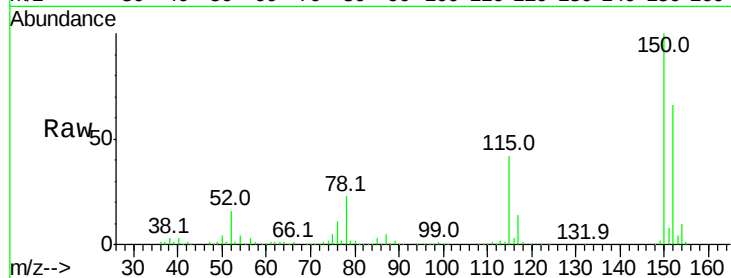
Tot Ion: 79 Resp: 8803

Ion Ratio Lower Upper

79 100

108 30.0 63.4 95.0#

77 101.1 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.26 ng

RT: 8.63 min Scan# 1138

Delta R.T. 0.19 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

Tgt Ion: 70 Resp: 73518

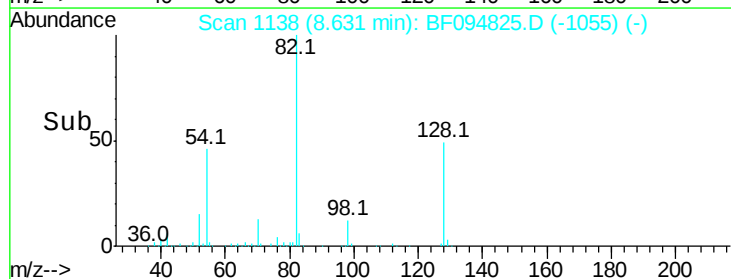
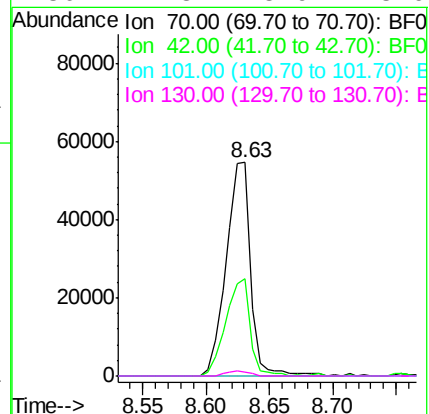
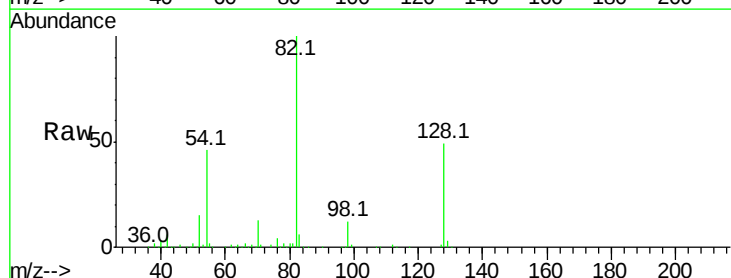
Ion Ratio Lower Upper

70 100

42 45.6 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.75 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

Tot Ion:136 Resp: 366585

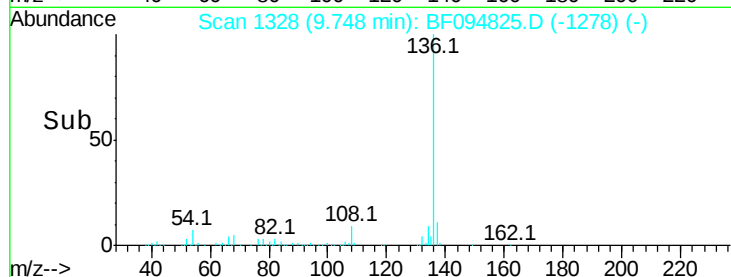
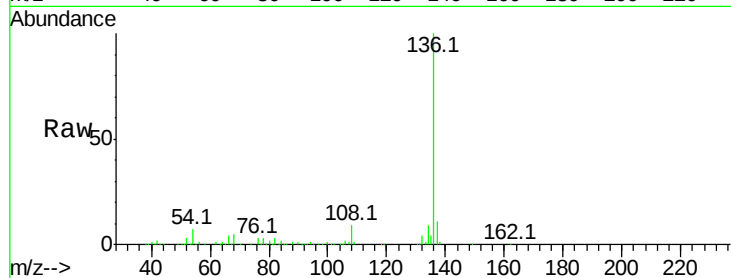
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.0 4.9 7.3

68 5.3 4.1 6.1



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

9.75

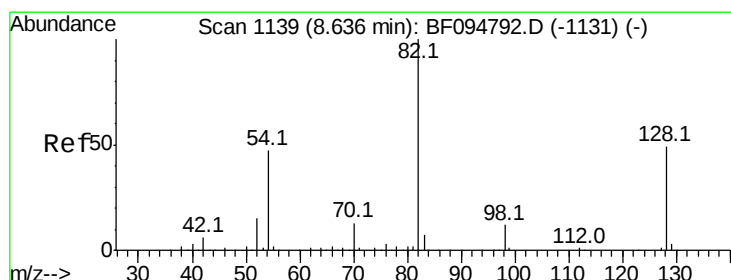
300000

200000

100000

0

Time--> 9.65 9.70 9.75 9.80 9.85



#23

Nitrobenzene-d5

Concen: 95.96 ng

RT: 8.63 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

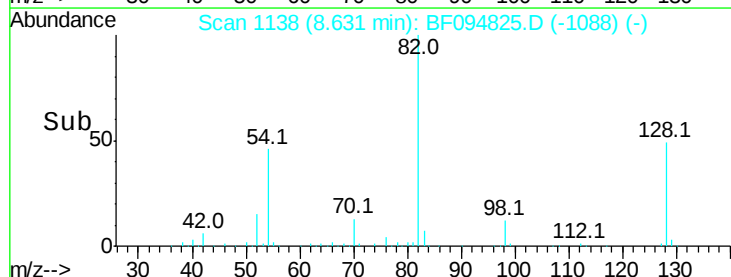
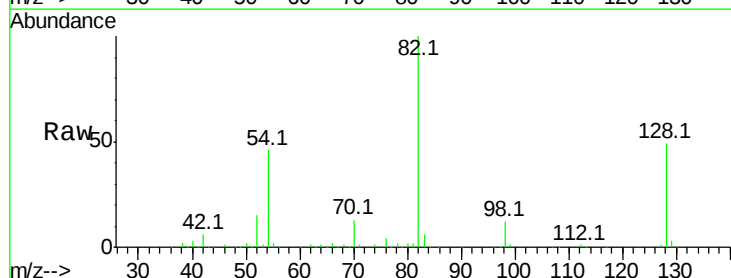
Tgt Ion: 82 Resp: 557882

Ion Ratio Lower Upper

82 100

128 48.6 34.0 51.0

54 46.3 42.2 63.2



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

8.63

500000

400000

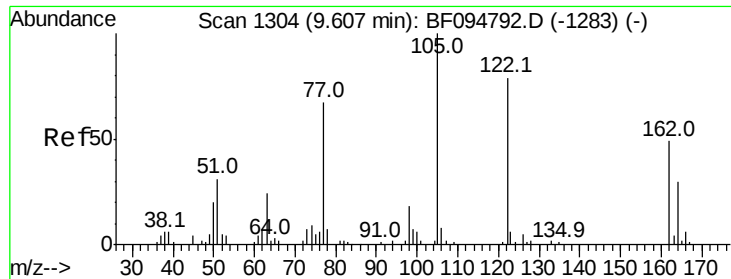
300000

200000

100000

0

Time--> 8.60 8.70



#32

Benzoic acid

Concen: 5.15 ng

RT: 9.85 min Scan# 1345

Delta R.T. 0.24 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

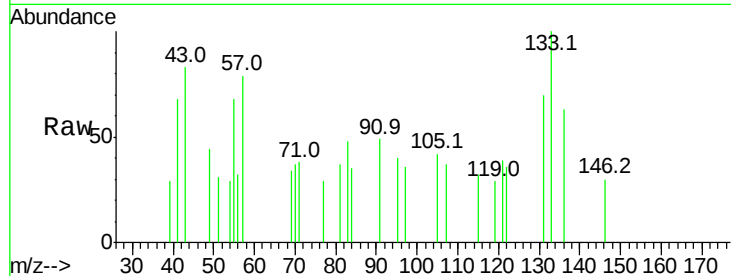
Tot Ion:122 Resp: 257

Ion Ratio Lower Upper

122 100

105 116.9 103.3 143.3

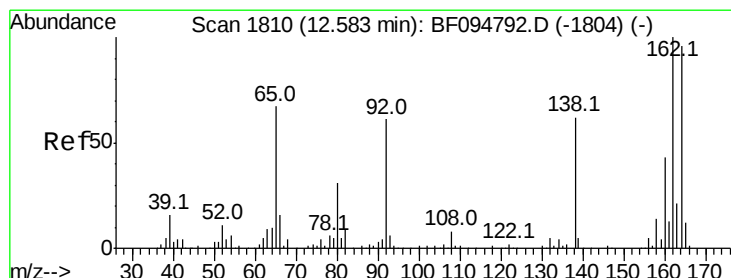
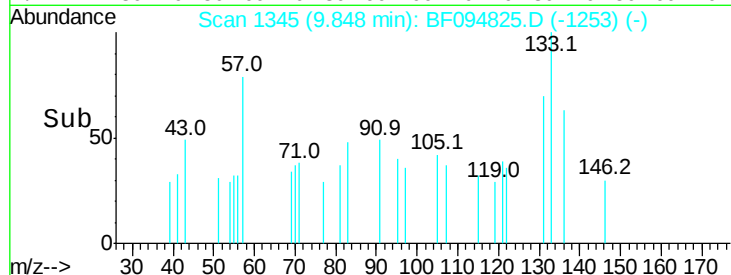
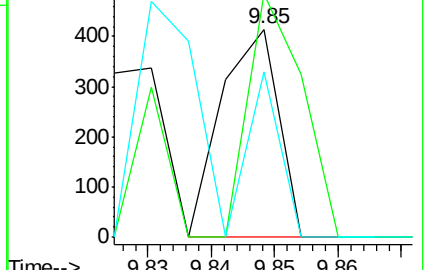
77 79.3 73.7 113.7



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.58 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

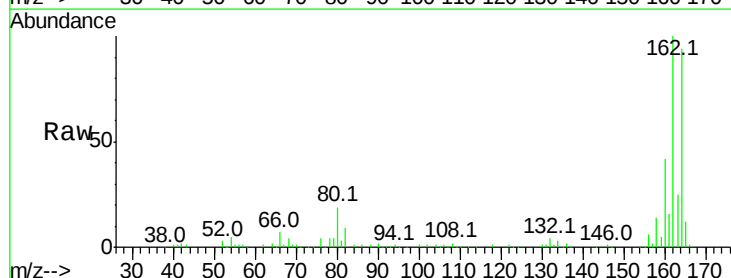
Tgt Ion:164 Resp: 158068

Ion Ratio Lower Upper

164 100

162 106.2 82.6 123.8

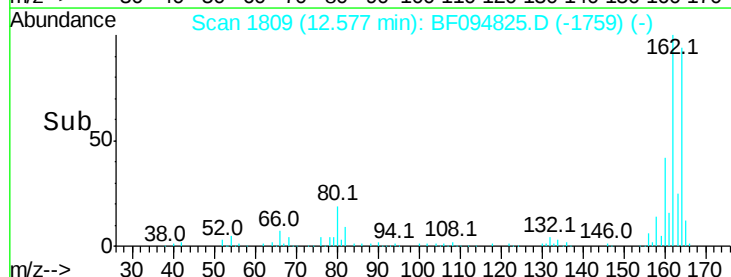
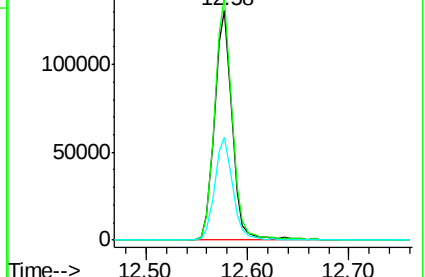
160 45.0 36.2 54.2

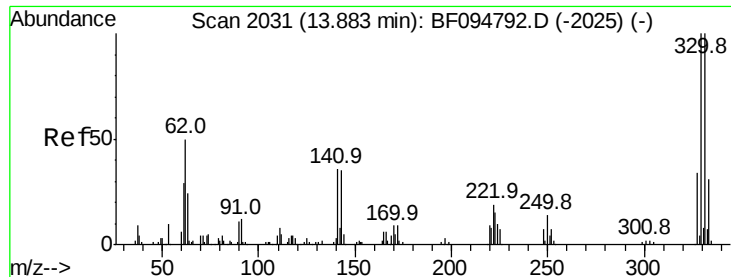


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

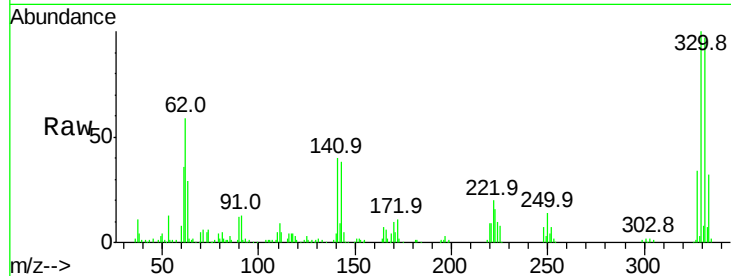
Ion 160.00 (159.70 to 160.70): E



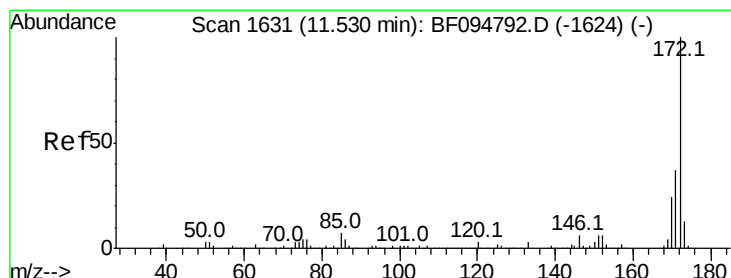
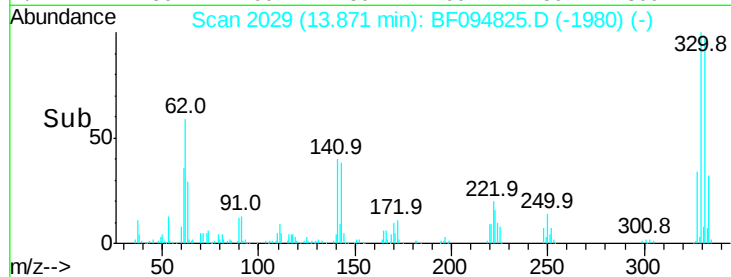
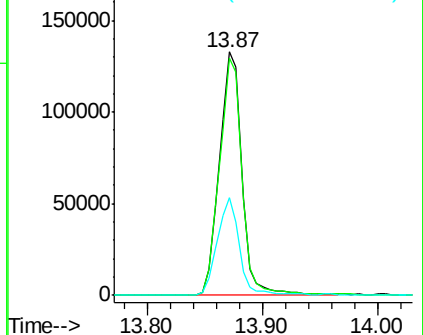


#41
 2,4,6-Tribromophenol
 Concen: 139.43 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094825.D
 Acq: 3 May 2017 9:24

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	39.7	31.4	47.2

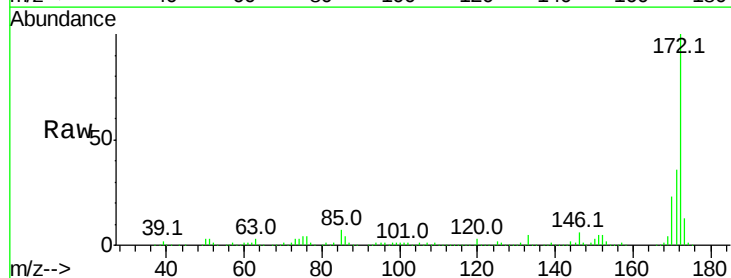


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

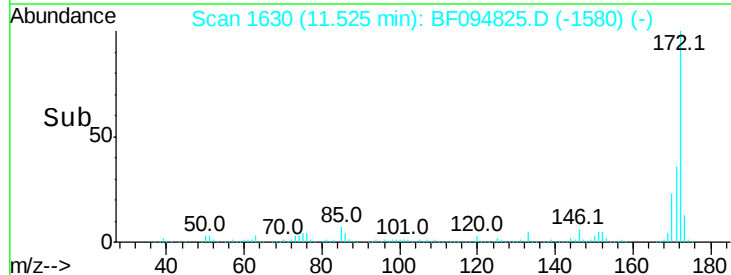
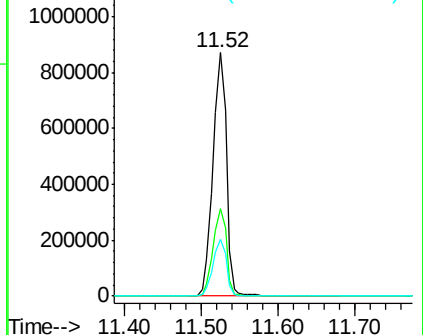


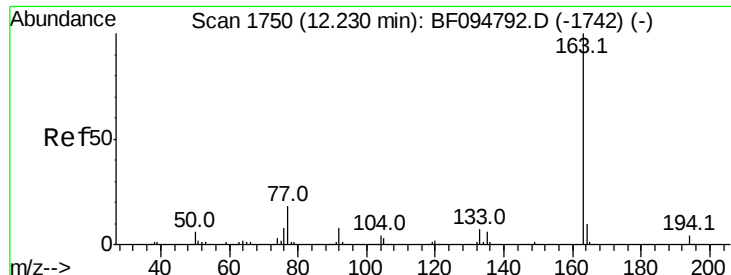
#44
 2-Fluorobiphenyl
 Concen: 95.57 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF094825.D
 Acq: 3 May 2017 9:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.5	19.8	29.8



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





#49

Dimethylphthalate

Concen: 7.84 ng

RT: 12.21 min Scan# 1746

Delta R.T. -0.02 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

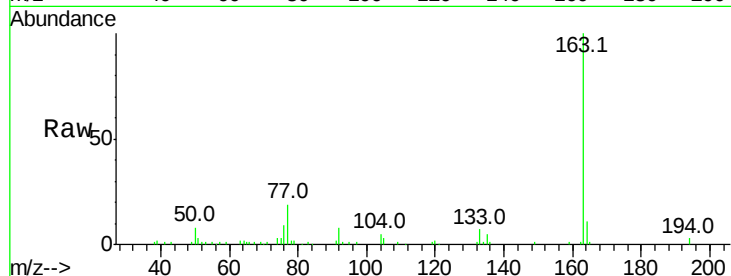
Tot Ion:163 Resp: 101726

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

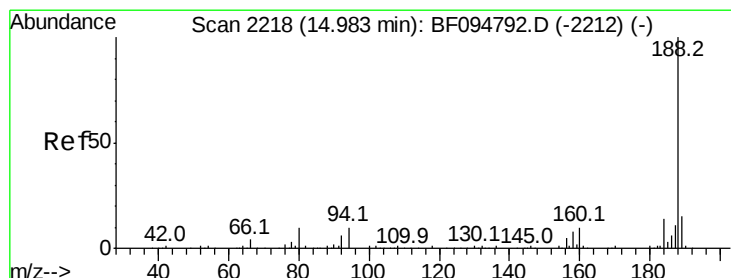
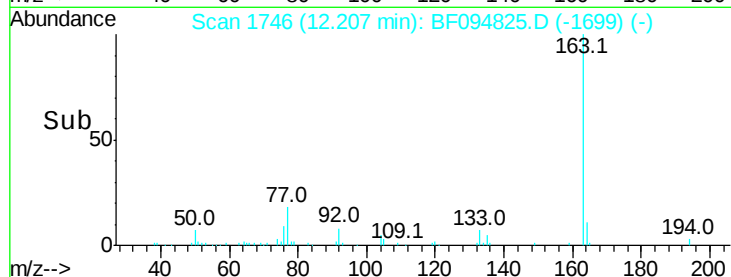
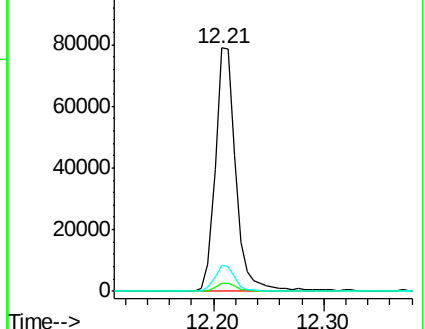
164 10.6 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

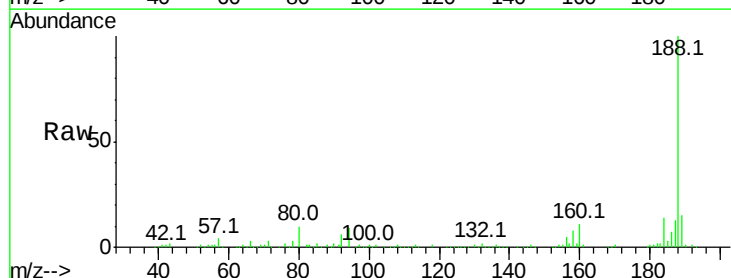
Tgt Ion:188 Resp: 249685

Ion Ratio Lower Upper

188 100

94 9.3 9.4 14.2#

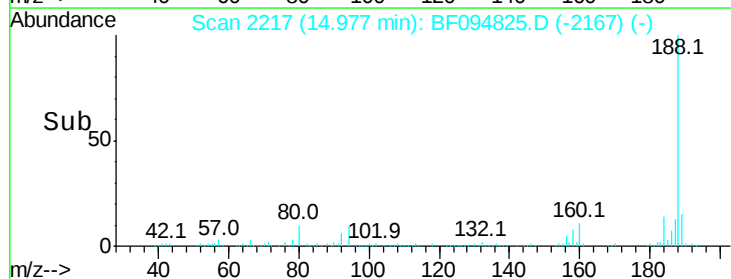
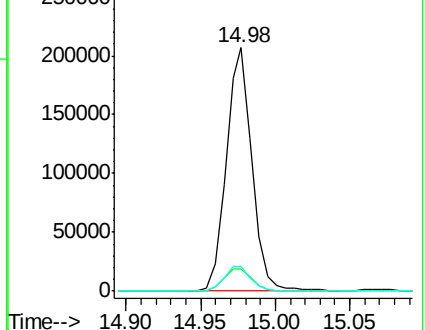
80 10.0 10.2 15.2#

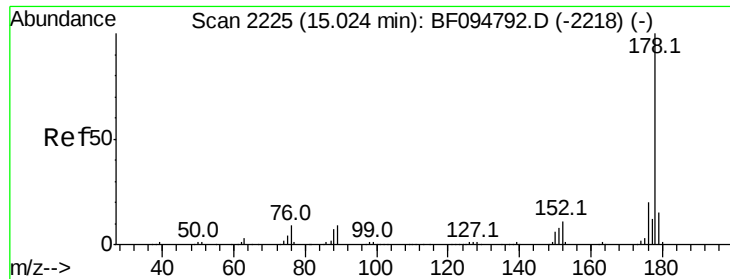


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

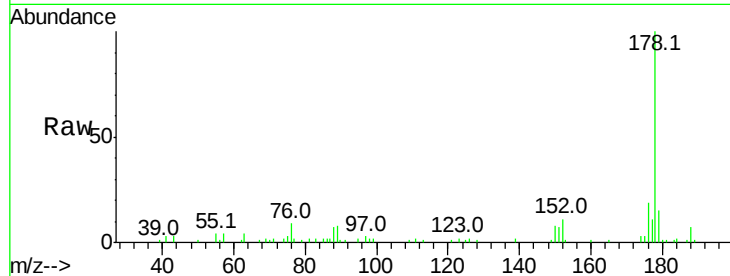
Ion 80.00 (79.70 to 80.70): BF0



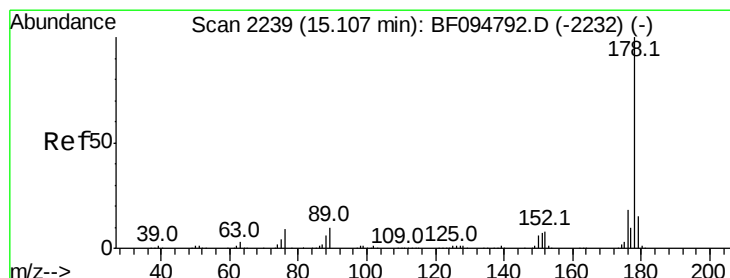
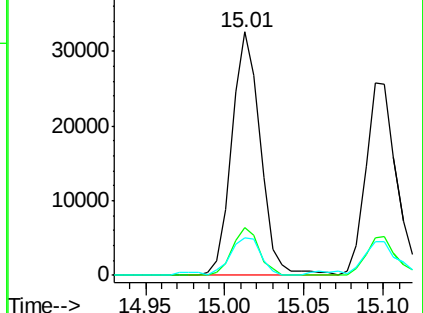
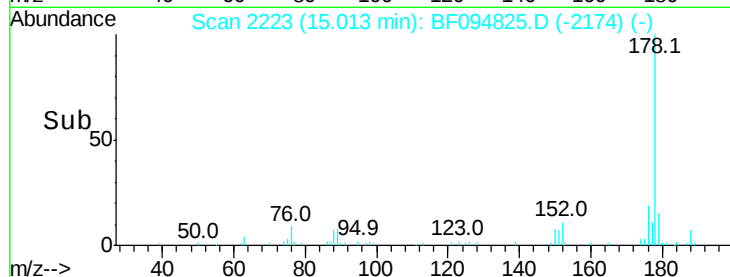


#70
Phenanthrene
Concen: 2.84 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094825.D
Acq: 3 May 2017 9:24

Tot Ion:178 Resp: 40765
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.3 12.6 19.0

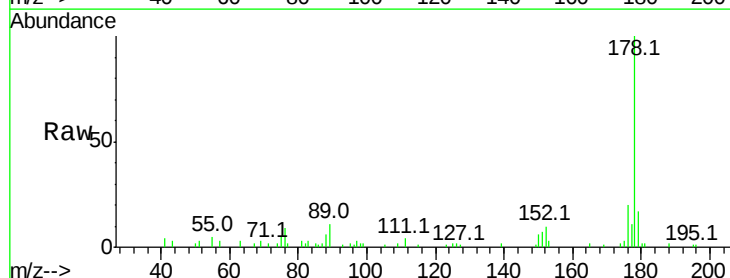


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

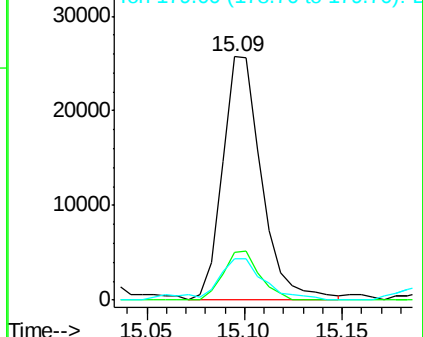
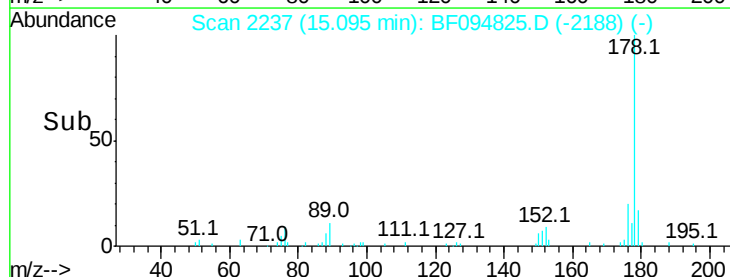


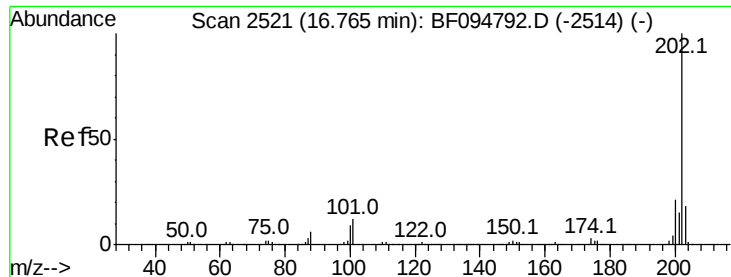
#71
Anthracene
Concen: 2.43 ng
RT: 15.09 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF094825.D
Acq: 3 May 2017 9:24

Tgt Ion:178 Resp: 35575
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 17.2 12.7 19.1



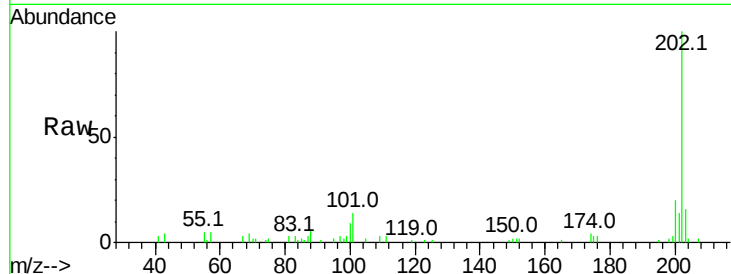
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



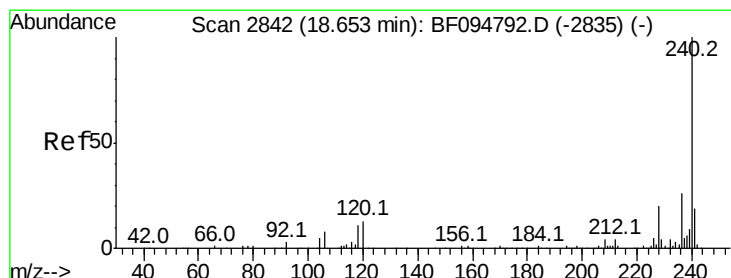
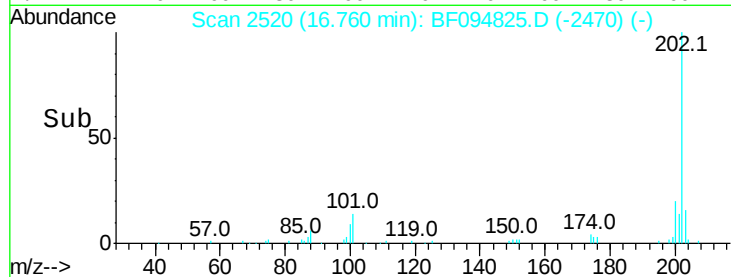
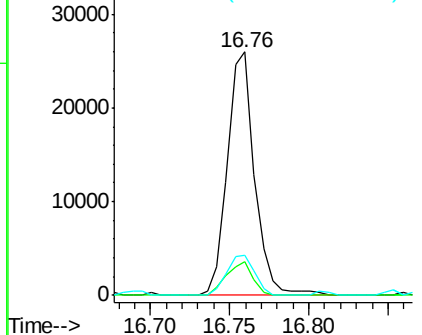


#74
 Fluoranthene
 Concen: 2.11 ng
 RT: 16.76 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BF094825.D
 Acq: 3 May 2017 9:24

Tot Ion:	202	Resp:	31056
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	16.4	0.0	38.1

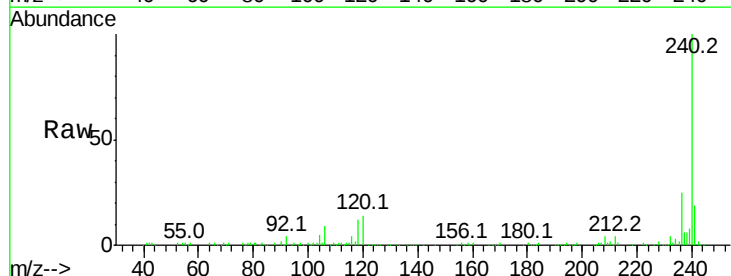


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

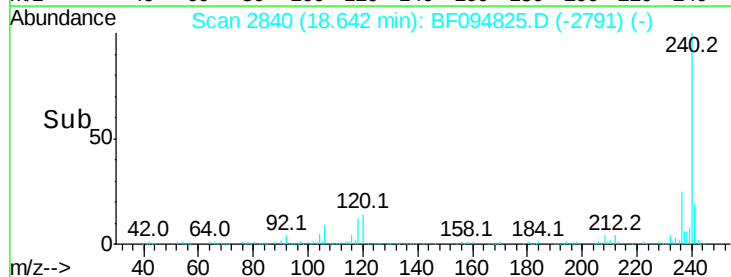
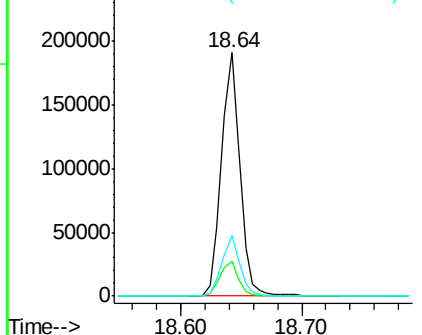


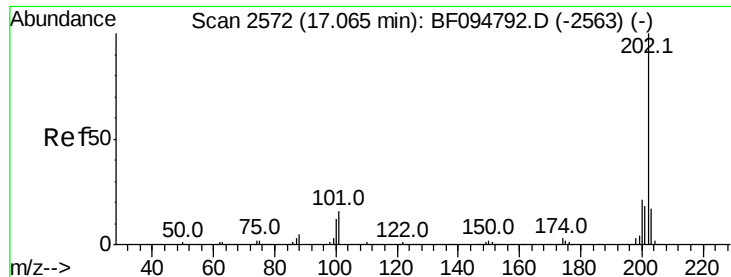
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094825.D
 Acq: 3 May 2017 9:24

Tgt Ion:	240	Resp:	203219
Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	24.9	20.5	30.7



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

Pvrene

Concen: 2.67 ng

RT: 17.06 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

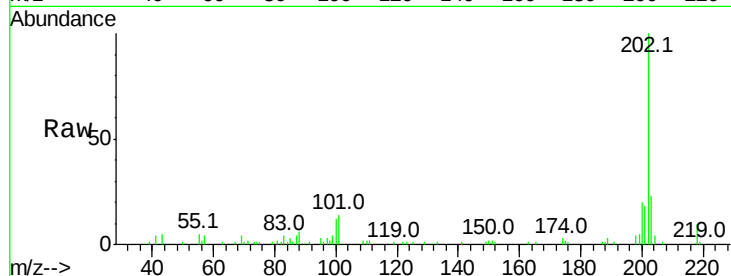
Tot Ion:202 Resp: 40572

Ion Ratio Lower Upper

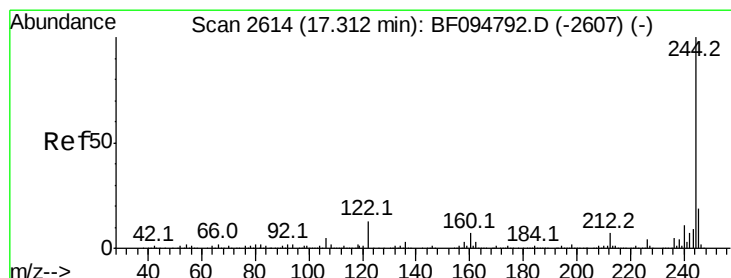
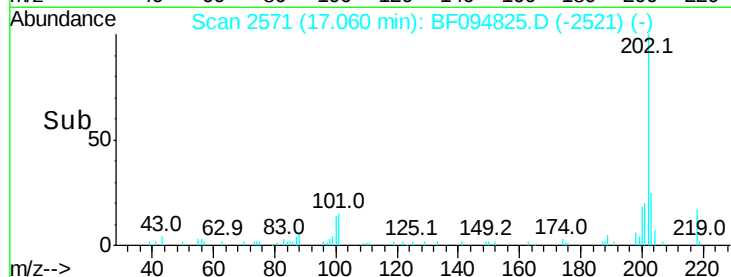
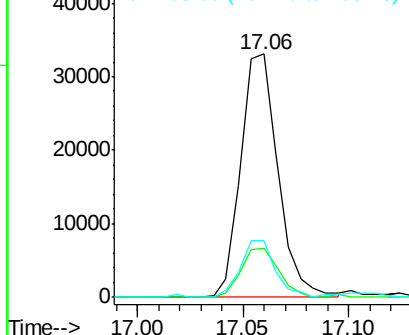
202 100

200 20.0 17.6 26.4

203 23.4 14.4 21.6#



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: 69.52 ng

RT: 17.31 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BF094825.D

Acq: 3 May 2017 9:24

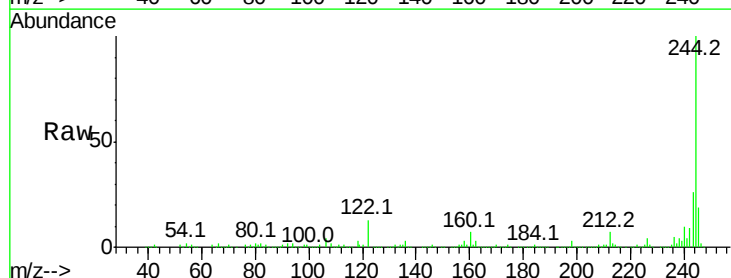
Tgt Ion:244 Resp: 641402

Ion Ratio Lower Upper

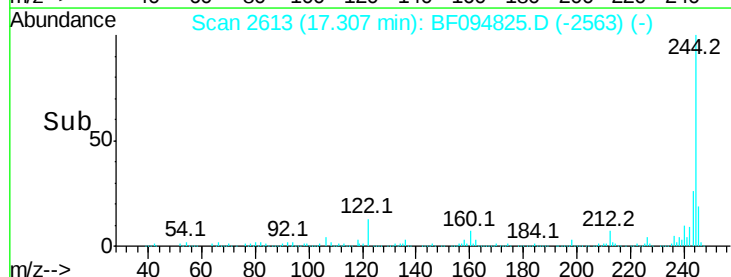
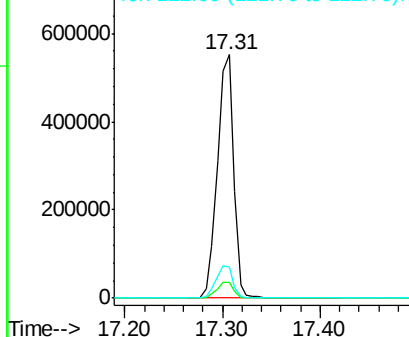
244 100

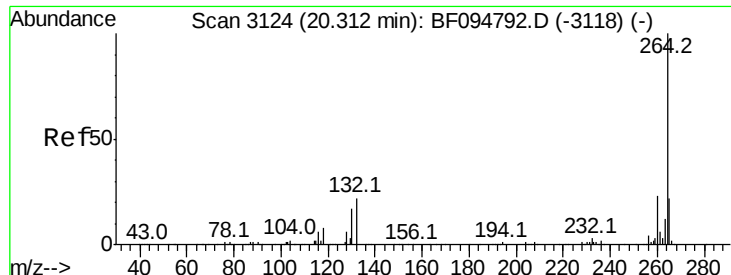
212 6.7 6.0 9.0

122 12.9 10.3 15.5



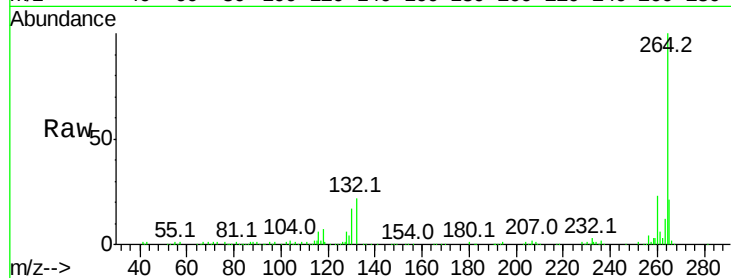
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094825.D
 Acq: 3 May 2017 9:24

Tot Ion:264	Resp:	164351
Ion Ratio	Lower	Upper
264	100	
260	23.0	19.5 29.3
265	20.5	17.2 25.8



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

