

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095461.D
 Acq On : 26 May 2017 15:18
 Operator : SJ/MA
 Sample : I3241-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

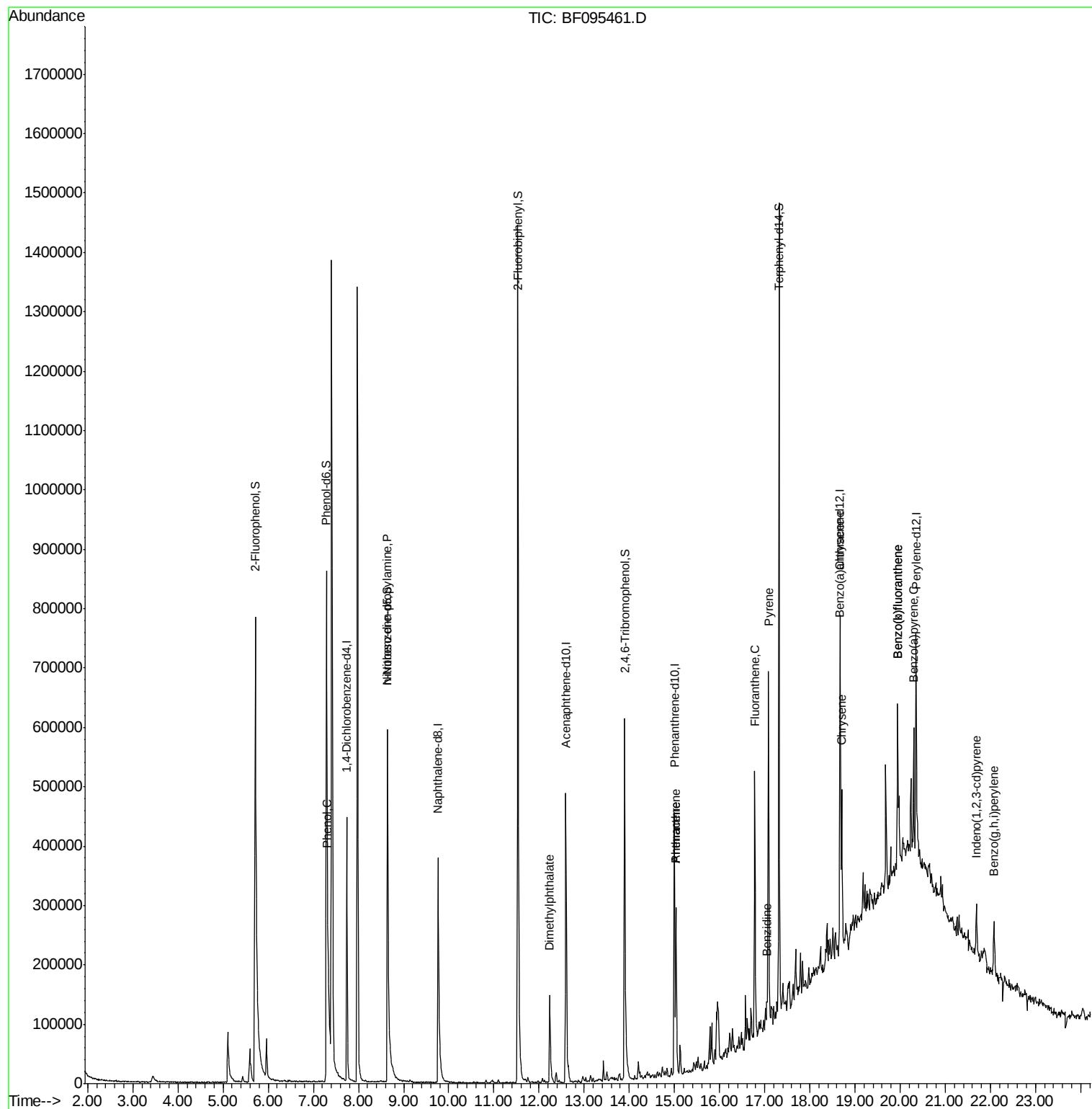
Quant Time: May 26 16:42:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

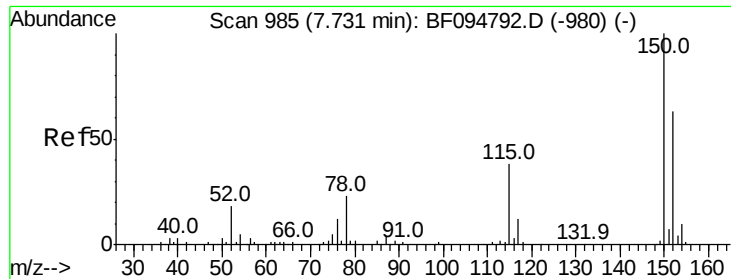
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	98151	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	390162	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	168902	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	256768	20.00	ng	-0.02
75) Chrysene-d12	18.67	240	206375	20.00	ng	-0.02
86) Perylene-d12	20.35	264	163487	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	659670	112.05	ng	-0.02
7) Phenol-d6	7.29	99	790889	111.97	ng	-0.02
23) Nitrobenzene-d5	8.64	82	443173	71.63	ng	-0.03
41) 2,4,6-Tribromophenol	13.89	330	122909	88.85	ng	-0.02
44) 2-Fluorobiphenyl	11.53	172	838979	71.50	ng	-0.03
78) Terphenyl-d14	17.32	244	494579	52.78	ng	-0.03
Target Compounds						Qvalue
10) Phenol	7.32	94	17321	2.33	ng	# 56
19) n-Nitroso-di-n-propylamine	8.64	70	49649	10.39	ng	# 75
49) Dimethylphthalate	12.24	163	124375	8.97	ng	99
70) Phenanthrene	15.04	178	165732	11.23	ng	97
71) Anthracene	15.04	178	165732	11.00	ng	97
74) Fluoranthene	16.78	202	249467	16.48	ng	99
76) Benzydine	17.05	184	120	6.61	ng	# 1
77) Pyrene	17.08	202	282626	18.31	ng	98
80) Benzo(a)anthracene	18.66	228	120979	10.07	ng	97
82) Chrysene	18.71	228	127771	11.00	ng	96
85) Indeno(1,2,3-cd)pyrene	21.69	276	54915	5.82	ng	# 91
87) Benzo(b)fluoranthene	19.95	252	188062	18.62	ng	# 94
88) Benzo(k)fluoranthene	19.95	252	188062	19.30	ng	97
89) Benzo(a)pyrene	20.30	252	100168	10.75	ng	# 95
91) Benzo(a,h,i)perylene	22.08	276	63177	8.36	ng	97

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

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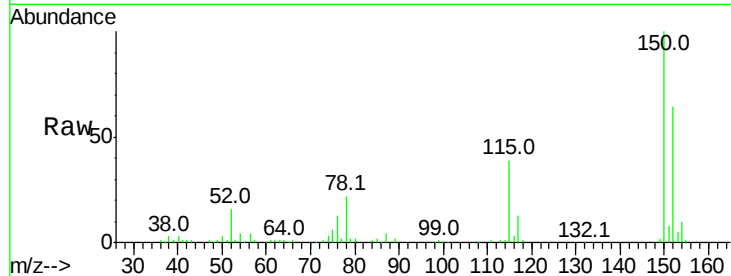




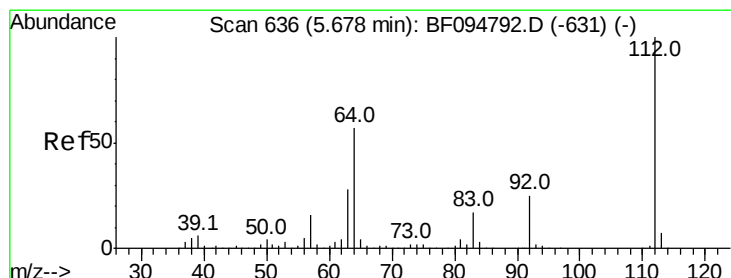
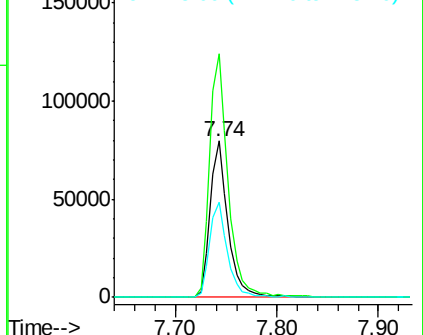
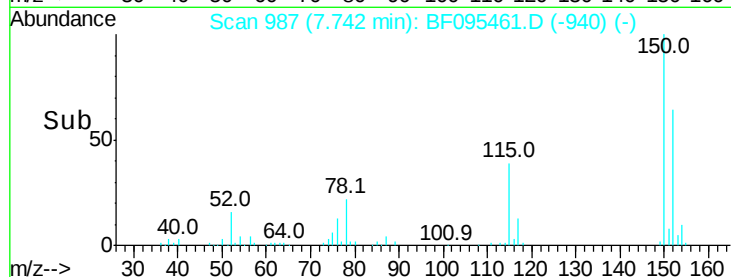
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	61.1	52.2	78.2



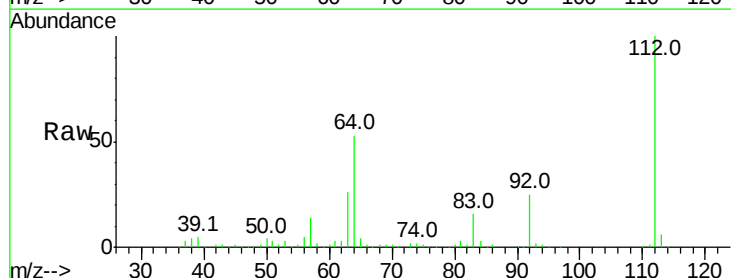
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



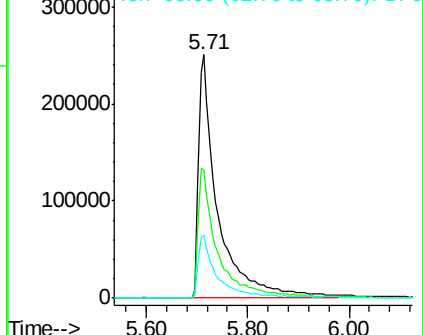
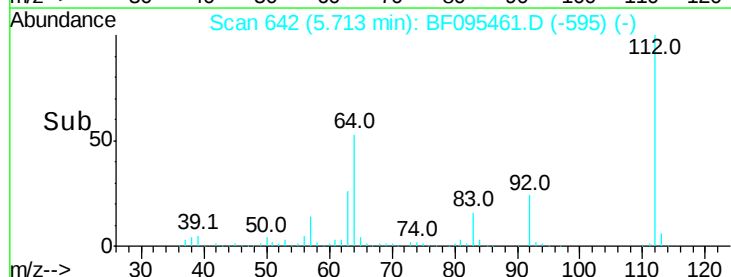
#5

2-Fluorophenol
Concen: 112.05 ng
RT: 5.71 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.0	69.0
63	25.9	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: 111.97 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

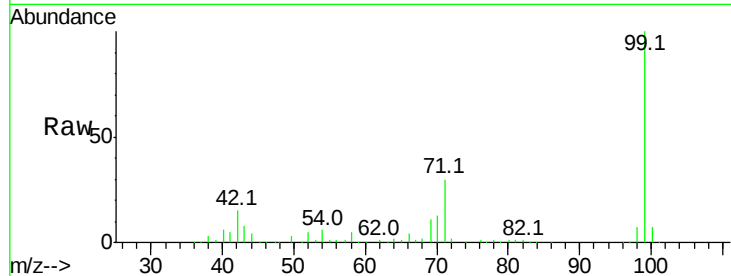
Tot Ion: 99 Resp: 790889

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

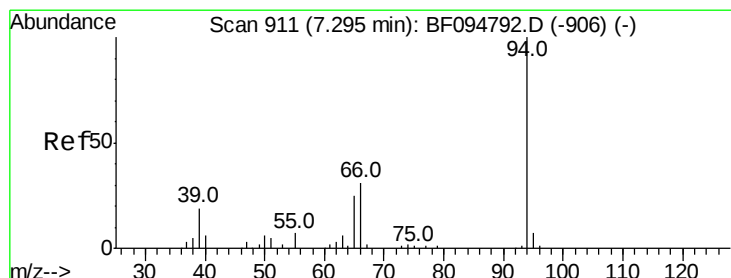
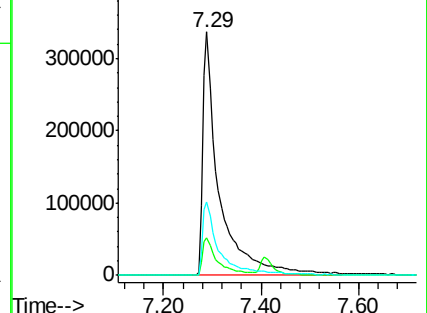
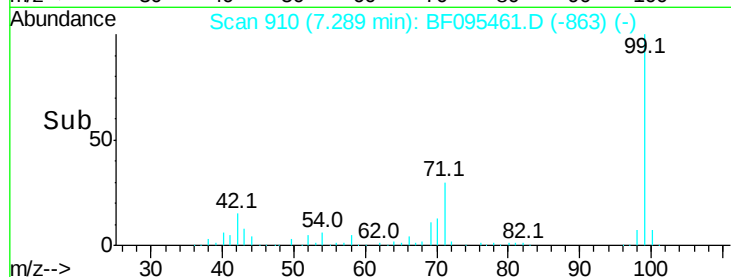
71 30.3 24.5 36.7



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: 2.33 ng

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

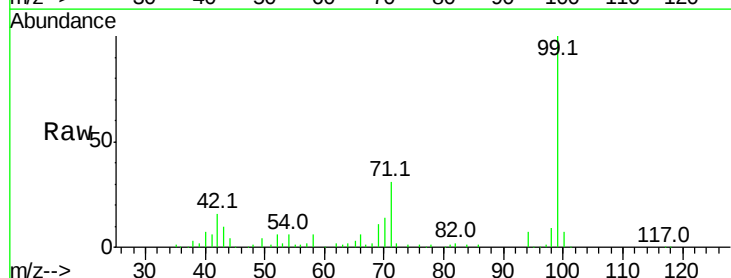
Tgt Ion: 94 Resp: 17321

Ion Ratio Lower Upper

94 100

65 38.4 9.9 49.9

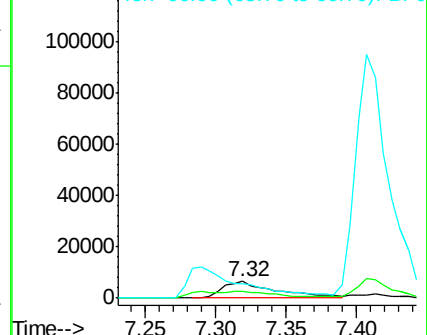
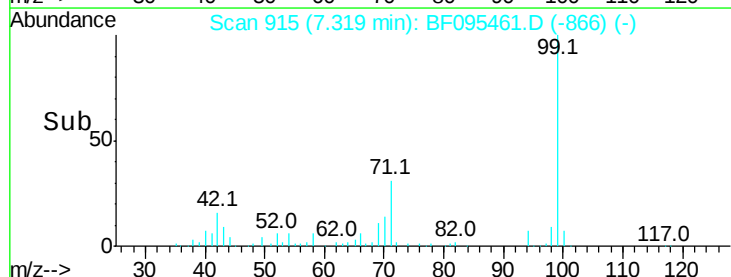
66 83.8 23.1 63.1#

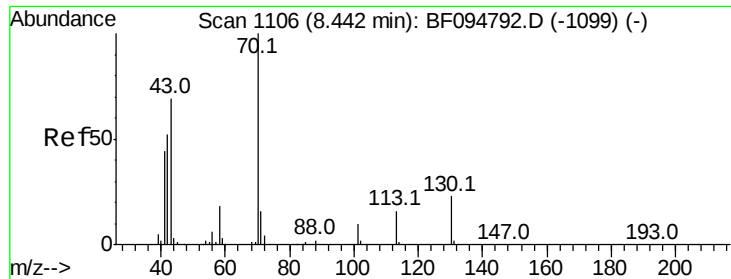


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

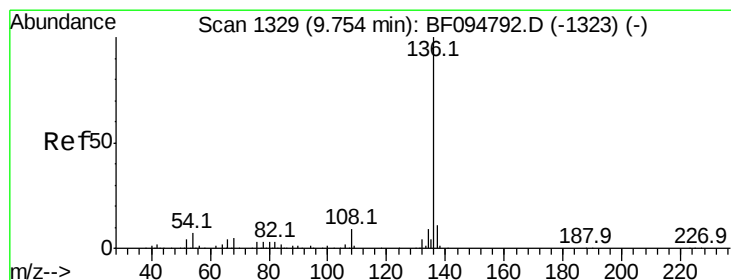
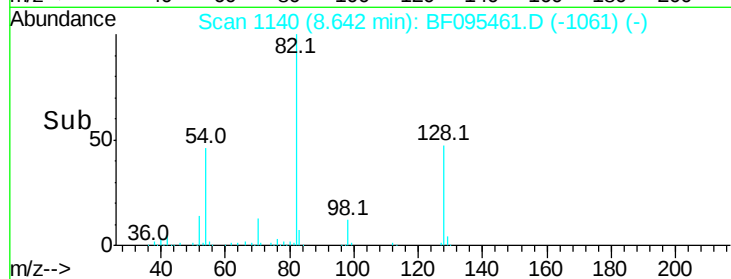
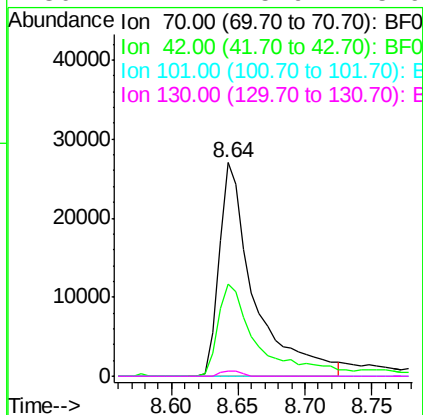
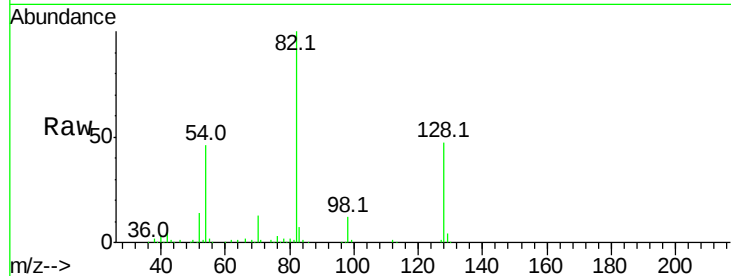
Ion 66.00 (65.70 to 66.70): BF0





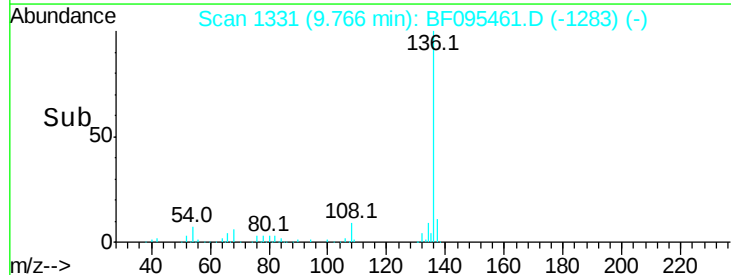
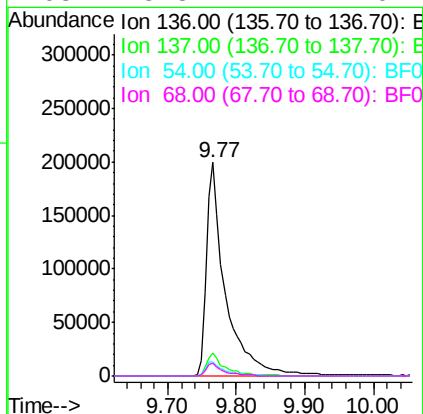
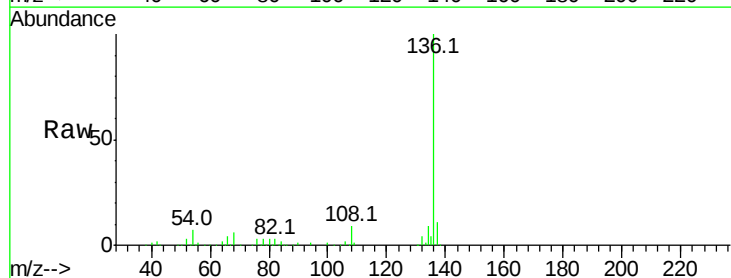
#19
n-Nitroso-di-n-propylamine
Concen: 10.39 ng
RT: 8.64 min Scan# 1140
Delta R.T. 0.16 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

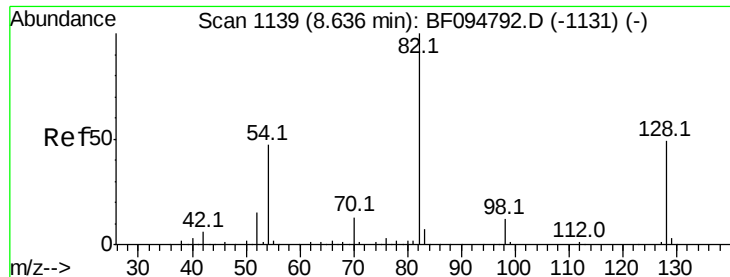
Tot Ion:	70	Resp:	49649
Ion	Ratio	Lower	Upper
70	100		
42	42.9	47.2	70.8#
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tgt Ion:	136	Resp:	390162
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.8	4.9	7.3
68	5.8	4.1	6.1





#23

Nitrobenzene-d5

Concen: 71.63 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

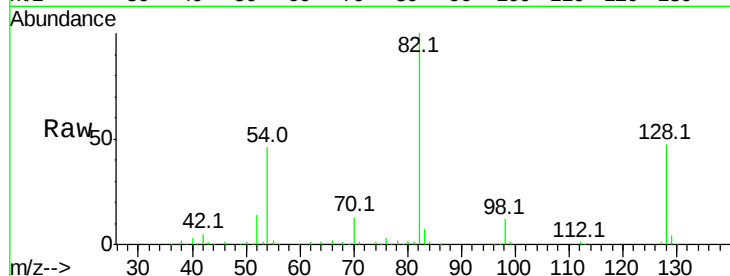
Tot Ion: 82 Resp: 443173

Ion Ratio Lower Upper

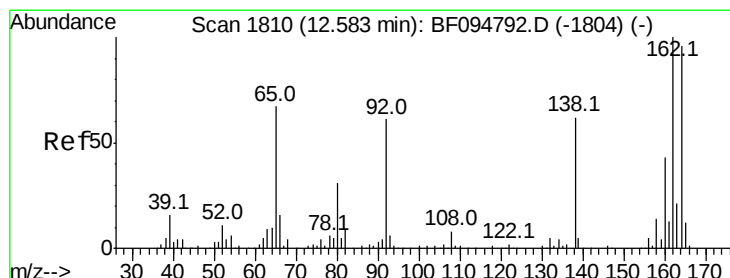
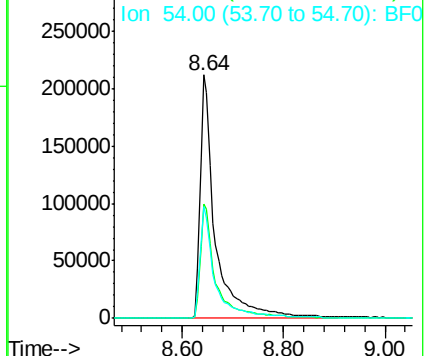
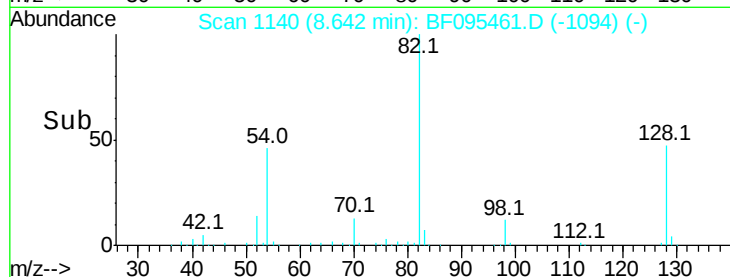
82 100

128 47.1 34.0 51.0

54 46.1 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

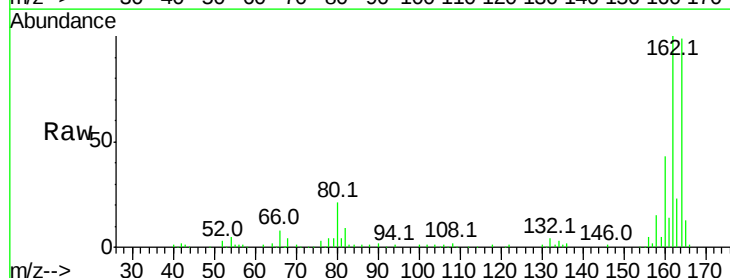
Tgt Ion: 164 Resp: 168902

Ion Ratio Lower Upper

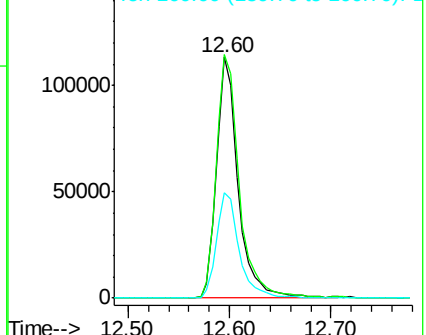
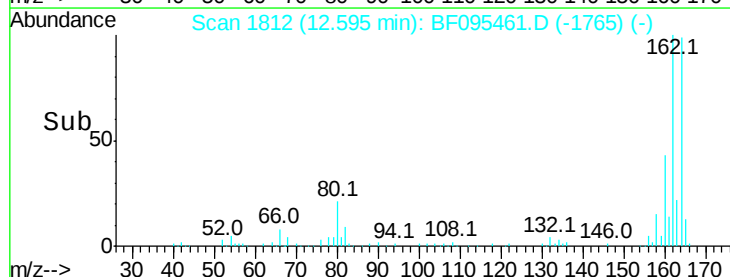
164 100

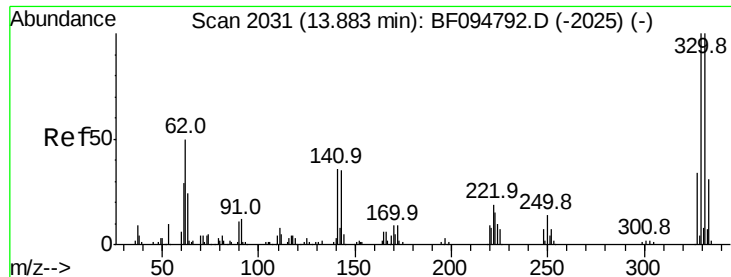
162 101.1 82.6 123.8

160 43.7 36.2 54.2



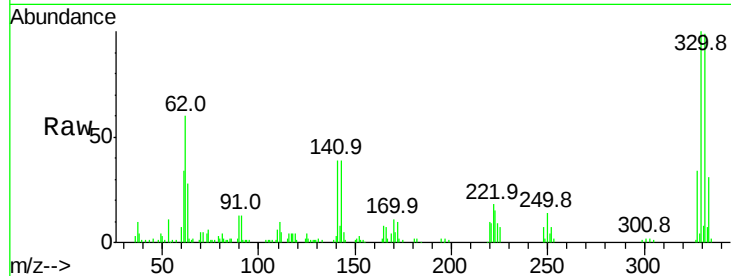
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



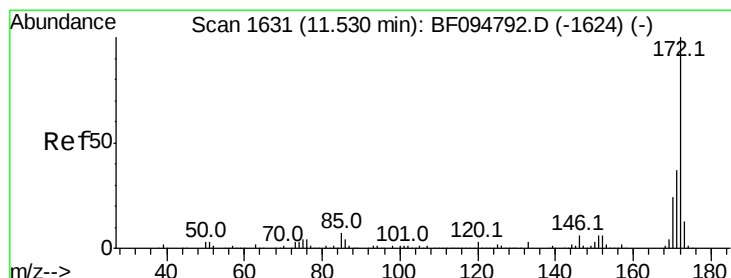
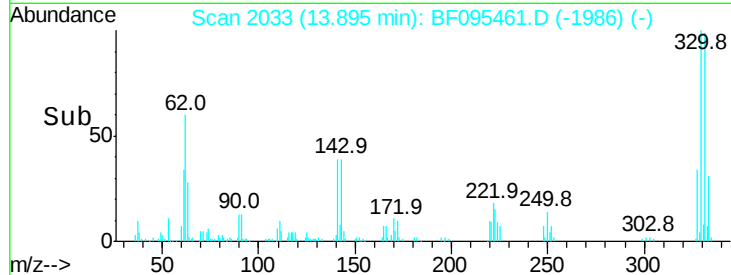
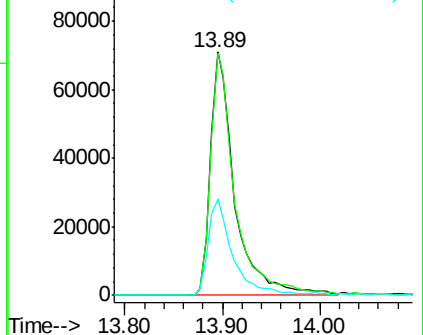


#41
 2,4,6-Tribromophenol
 Concen: 88.85 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: BF095461.D
 Acq: 26 May 2017 15:18

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.9	76.6	115.0
141	39.8	31.4	47.2

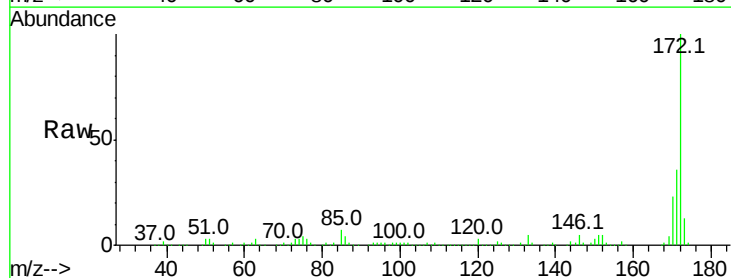


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

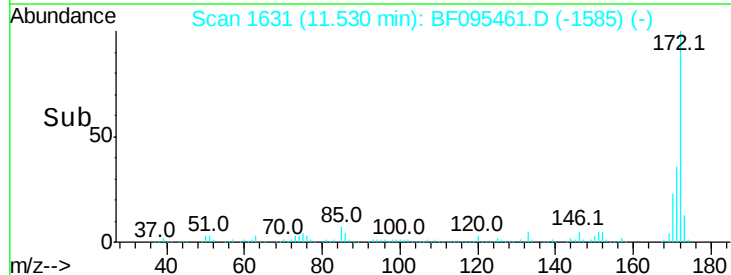
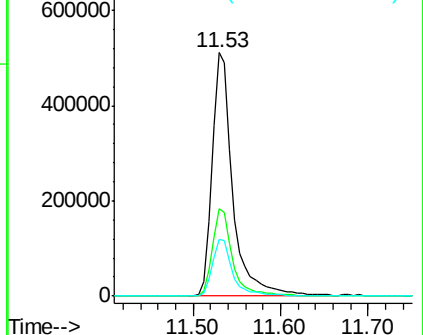


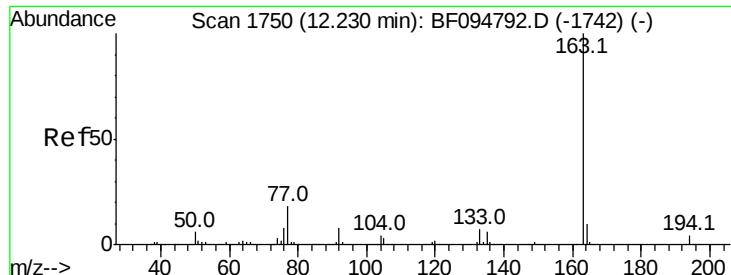
#44
 2-Fluorobiphenyl
 Concen: 71.50 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.03 min
 Lab File: BF095461.D
 Acq: 26 May 2017 15:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.4	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: 8.97 ng

RT: 12.24 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

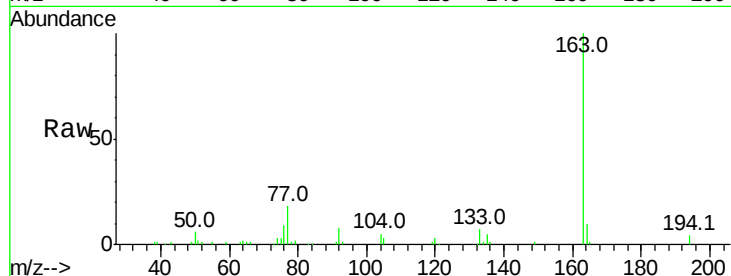
Tot Ion:163 Resp: 124375

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

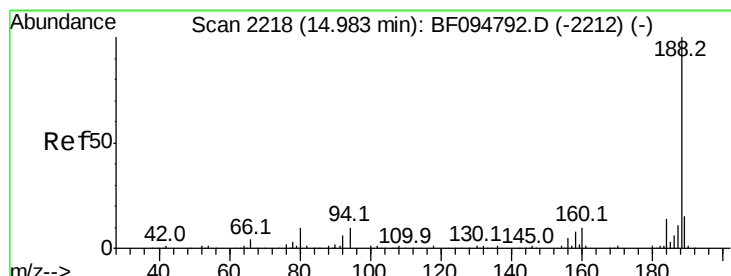
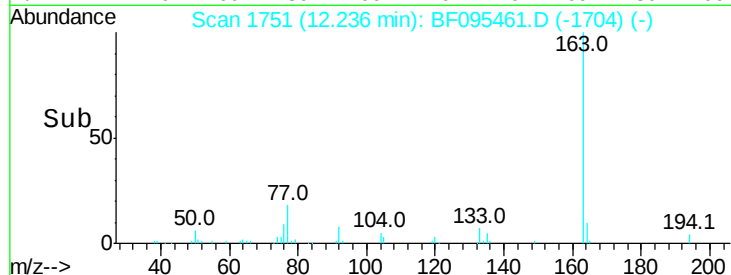
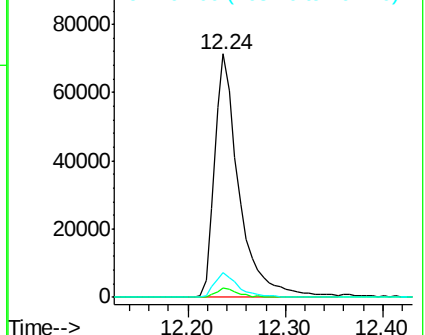
164 10.2 8.4 12.6



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: 15.00 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

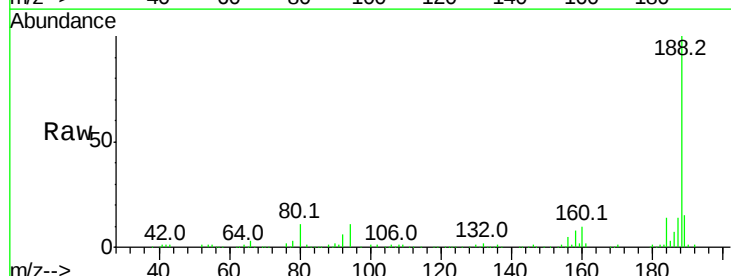
Tgt Ion:188 Resp: 256768

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

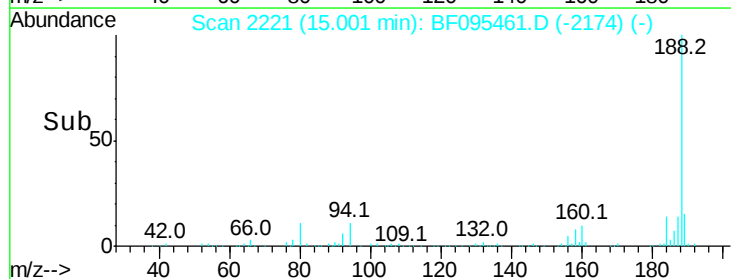
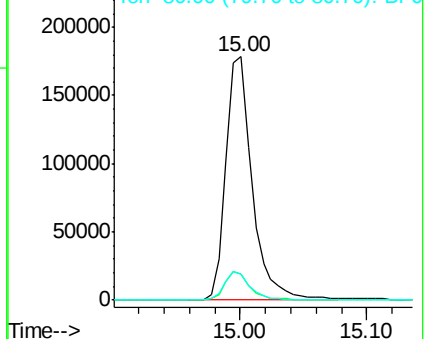
80 10.6 10.2 15.2

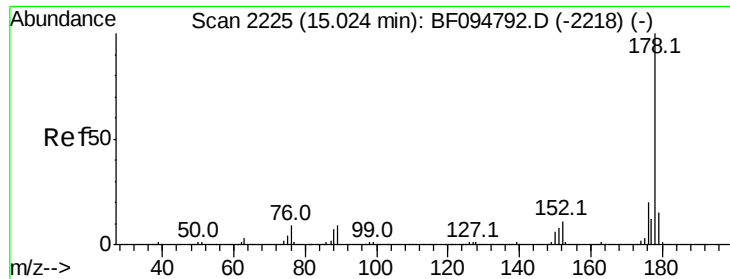


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

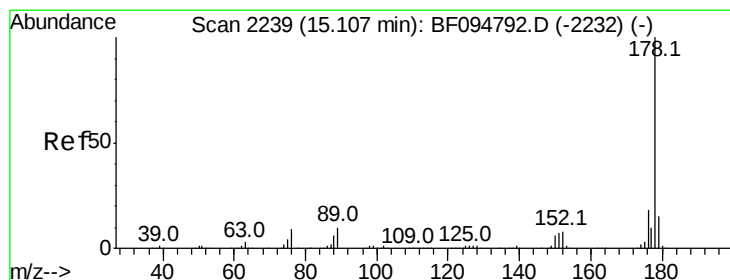
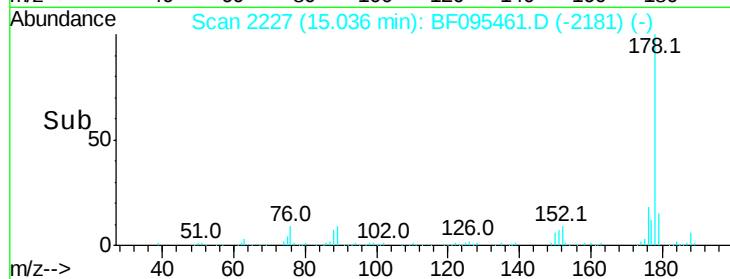
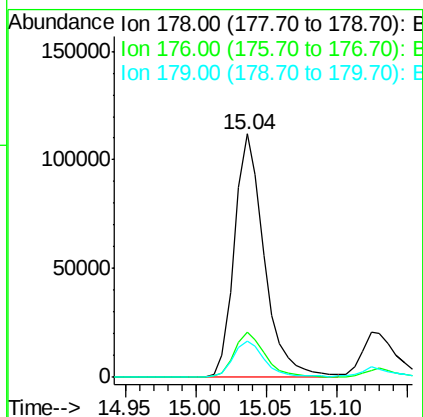
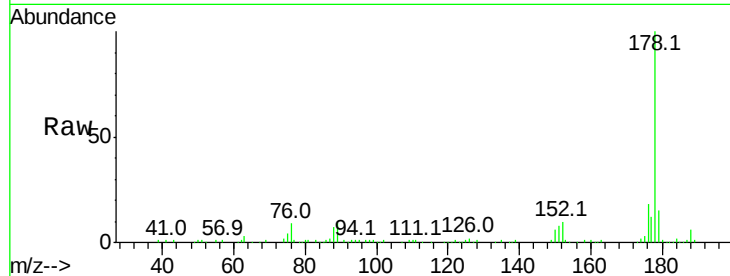
Ion 80.00 (79.70 to 80.70): BF0





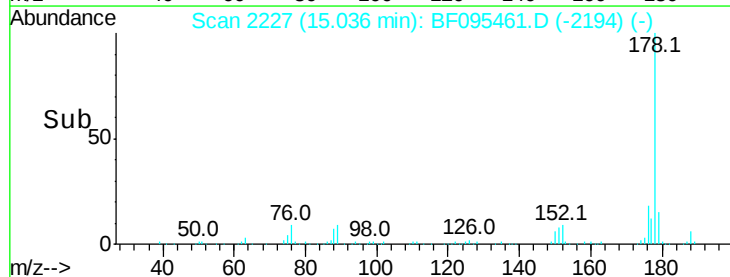
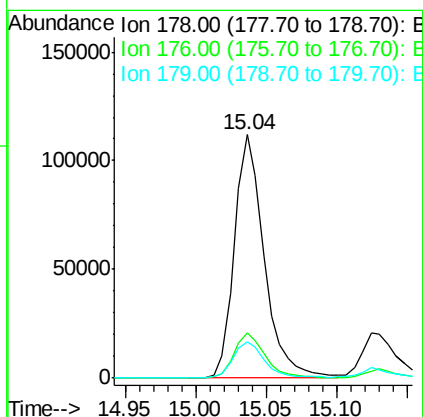
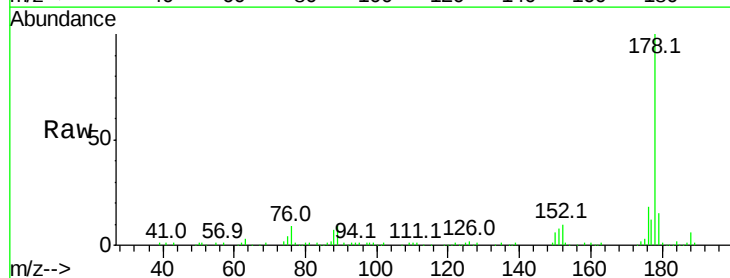
#70
Phenanthrene
Concen: 11.23 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.03 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

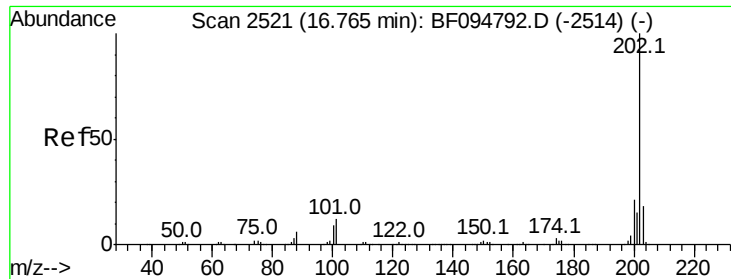
Tot Ion:178 Resp: 165732
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 14.8 12.6 19.0



#71
Anthracene
Concen: 11.00 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.11 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tgt Ion:178 Resp: 165732
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 14.8 12.7 19.1





#74

Fluoranthene

Concen: 16.48 ng

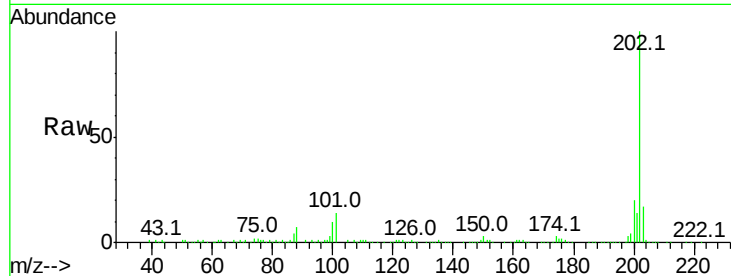
RT: 16.78 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

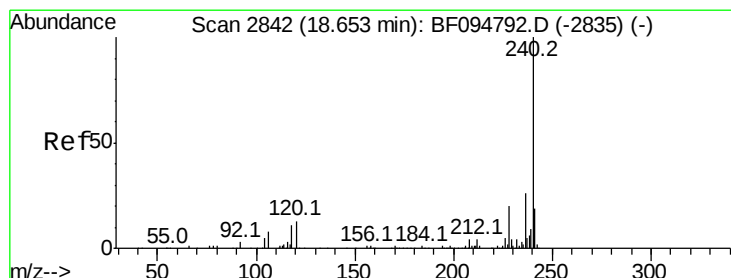
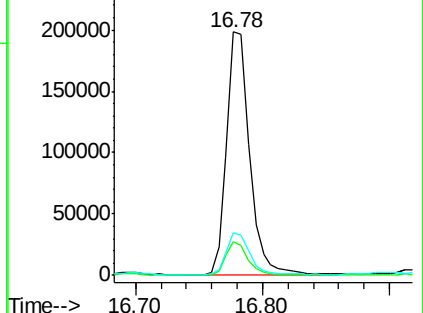
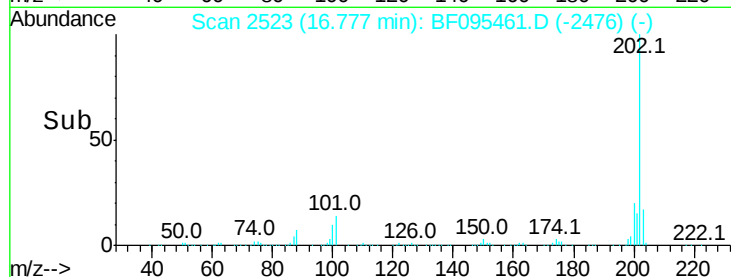
Tot Ion:	202	Resp:	249467
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.5	0.0	38.1



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

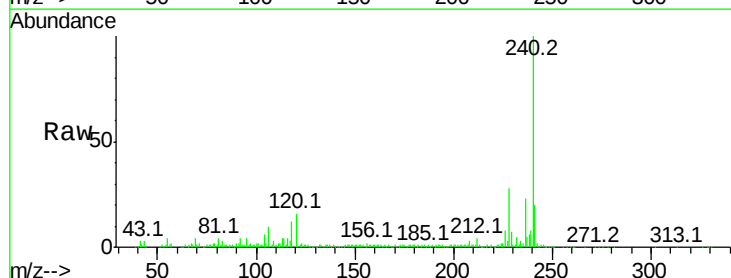
RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

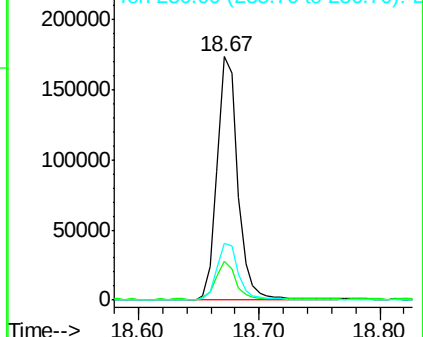
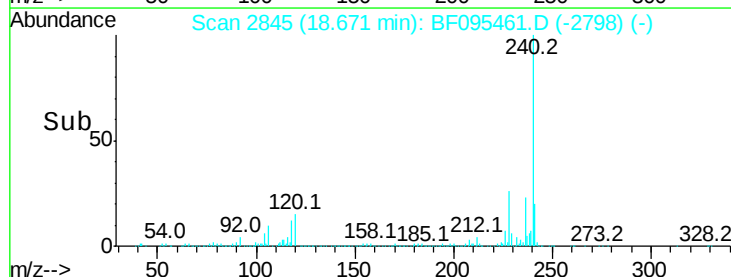
Tgt Ion:	240	Resp:	206375
Ion	Ratio	Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	23.4	20.5	30.7

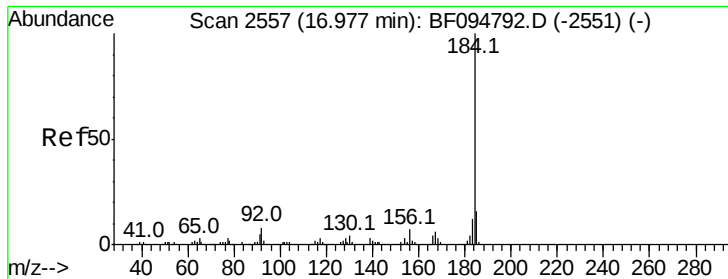


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.61 ng

RT: 17.05 min Scan# 2570

Delta R.T. 0.04 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

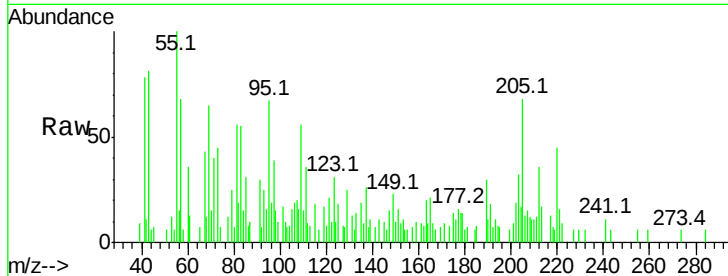
Tot Ion:184 Resp: 120

Ion Ratio Lower Upper

184 100

185 122.4 15.5 23.3#

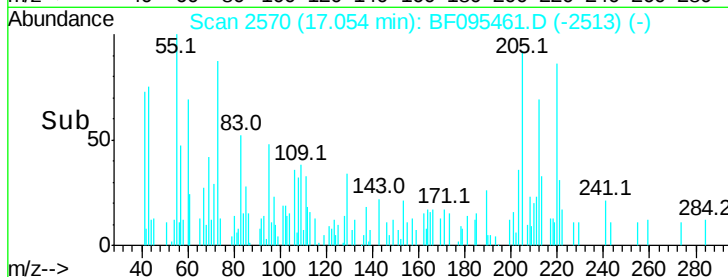
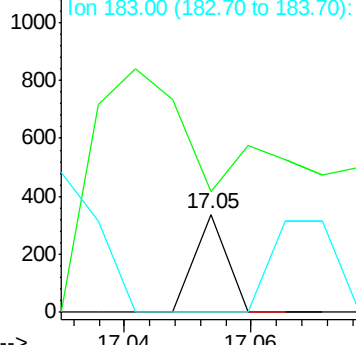
183 0.0 9.8 14.6#



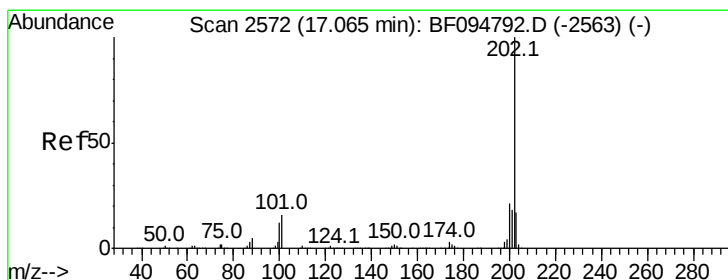
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#77

Pyrene

Concen: 18.31 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

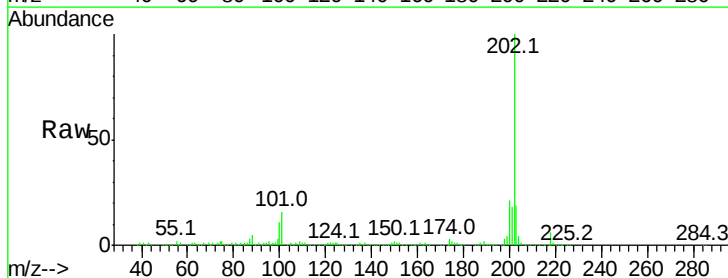
Tgt Ion:202 Resp: 282626

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

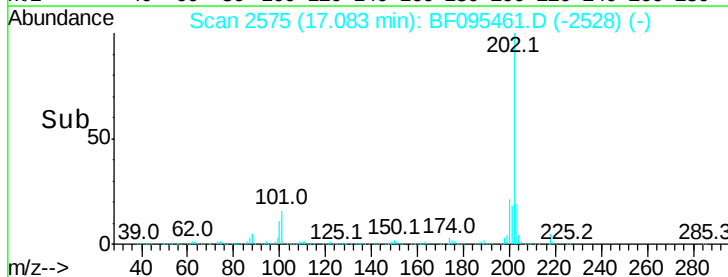
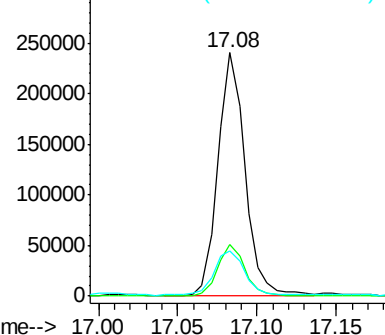
203 18.7 14.4 21.6



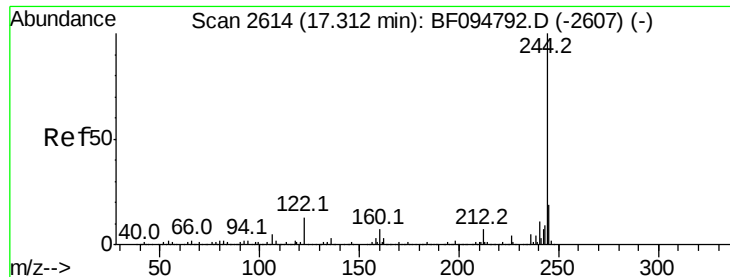
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 52.78 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

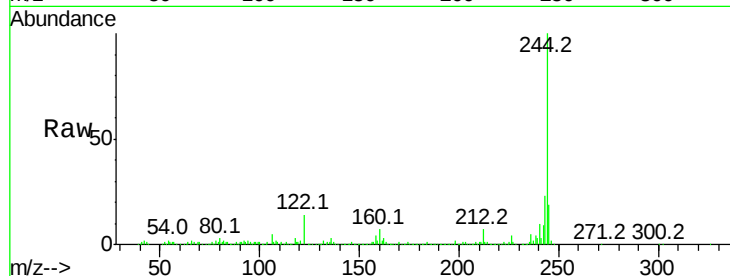
Tot Ion:244 Resp: 494579

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.9	10.3	15.5

244 100

212 7.3 6.0 9.0

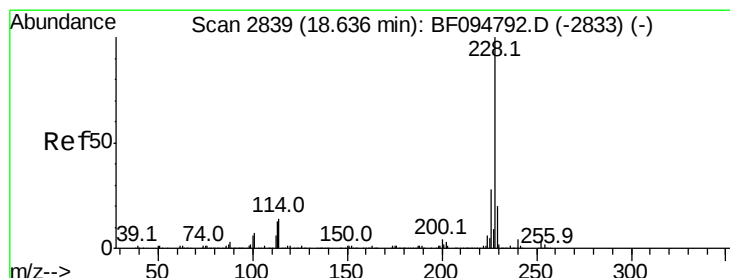
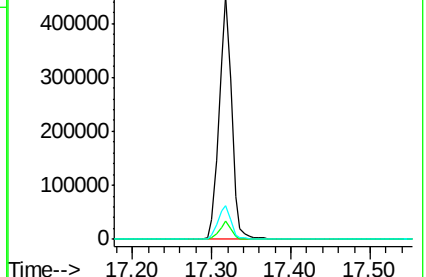
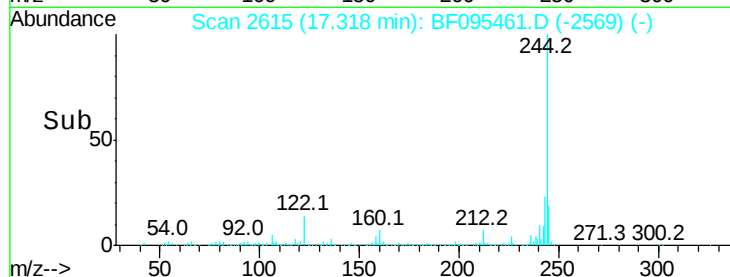
122 13.9 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 10.07 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

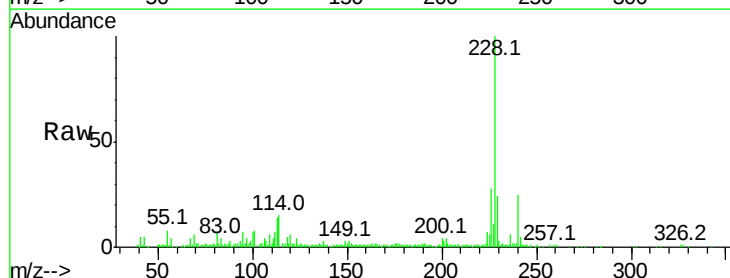
Tgt Ion:228 Resp: 120979

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	23.7	16.3	24.5

228 100

226 28.2 22.6 33.8

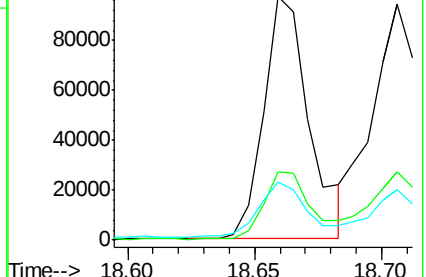
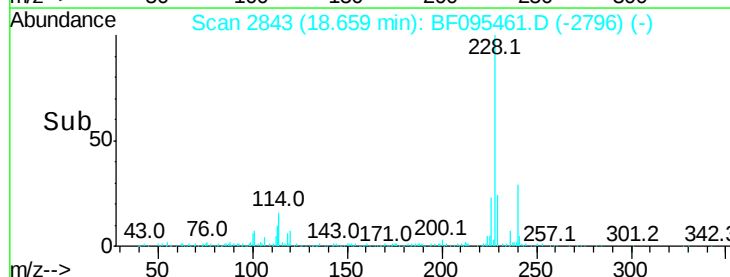
229 23.7 16.3 24.5

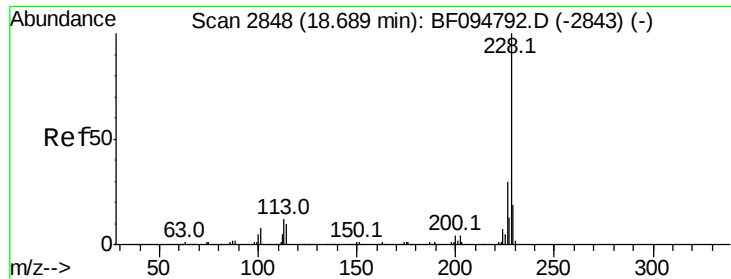


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.00 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

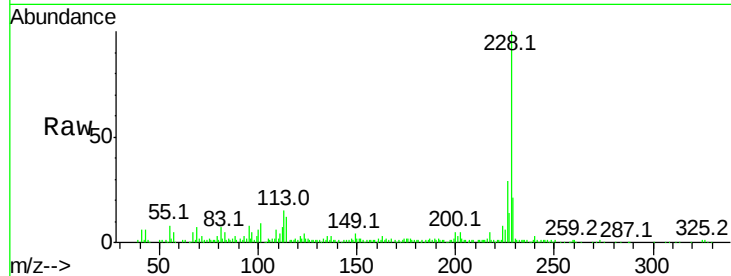
Tot Ion:228 Resp: 127771

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

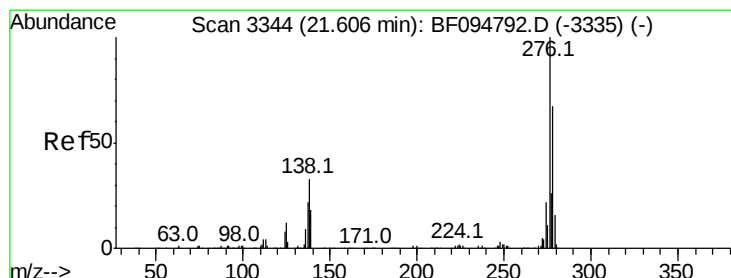
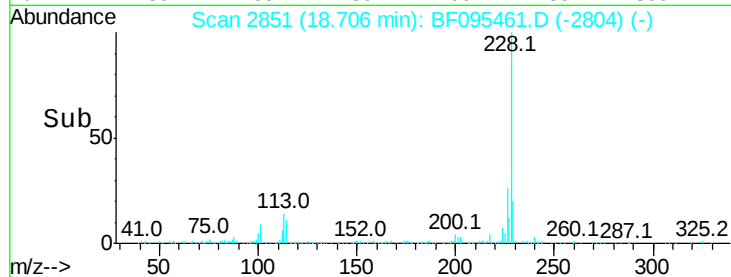
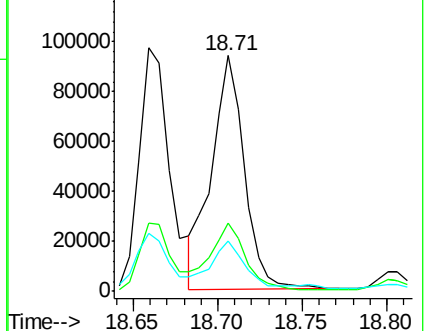
229 21.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.82 ng

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095461.D

Acq: 26 May 2017 15:18

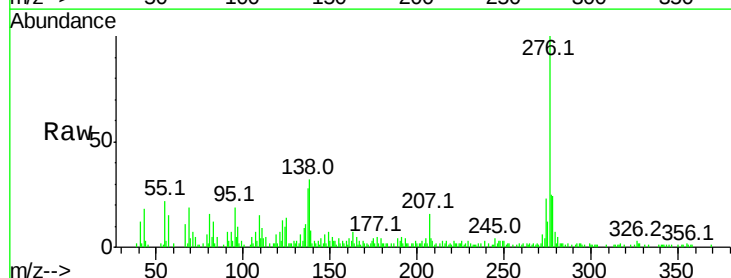
Tgt Ion:276 Resp: 54915

Ion Ratio Lower Upper

276 100

138 27.2 27.8 41.6#

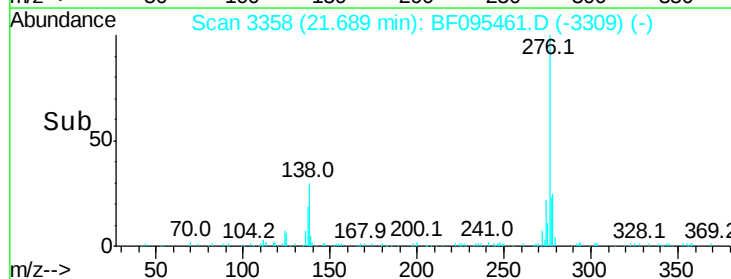
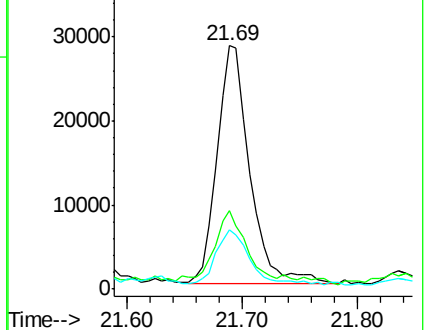
277 24.1 20.2 30.4

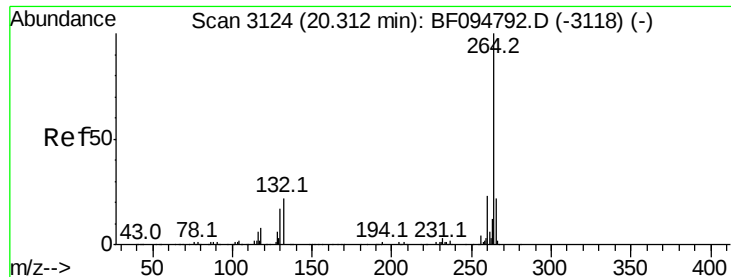


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

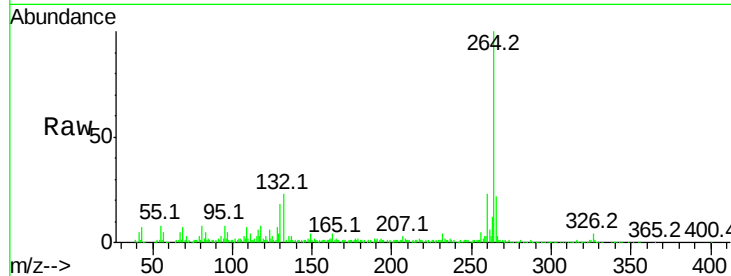
Ion 277.00 (276.70 to 277.70): E



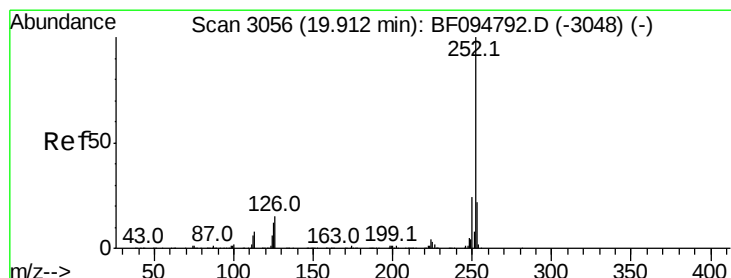
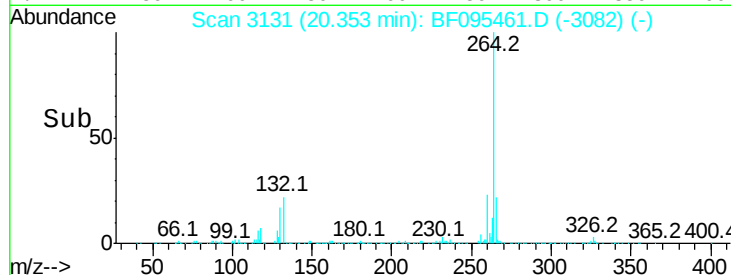
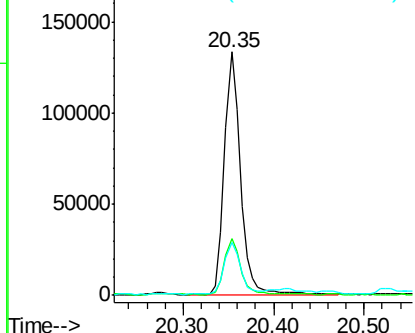


#86
Pervlène-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	17.2	25.8

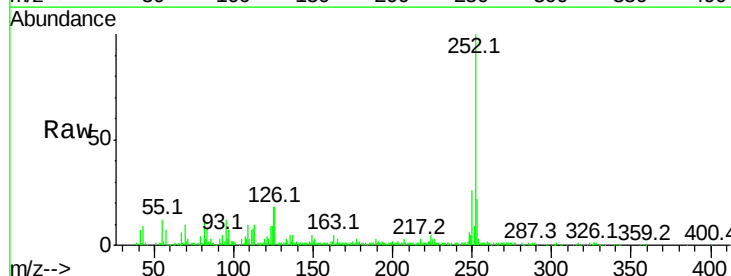


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

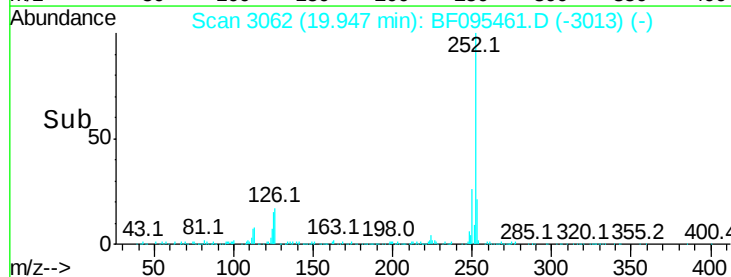
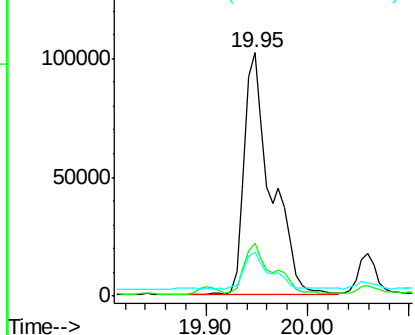


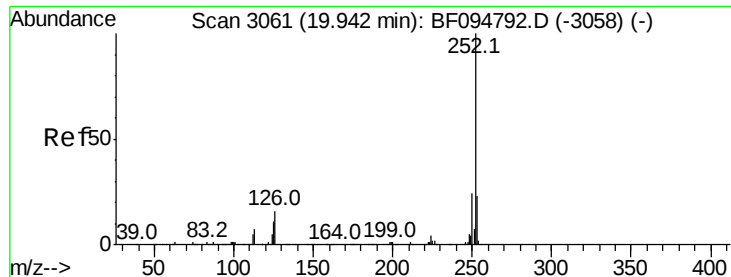
#87
Benzo(b)fluoranthene
Concen: 18.62 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	18.0	9.8	14.8



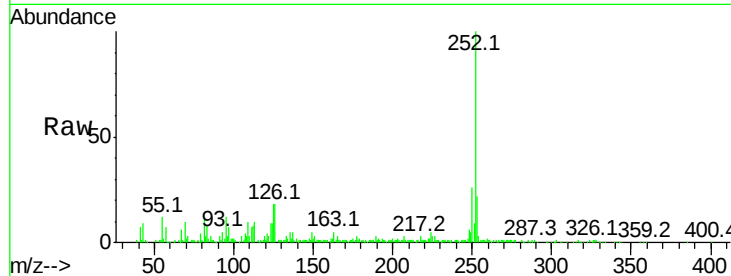
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



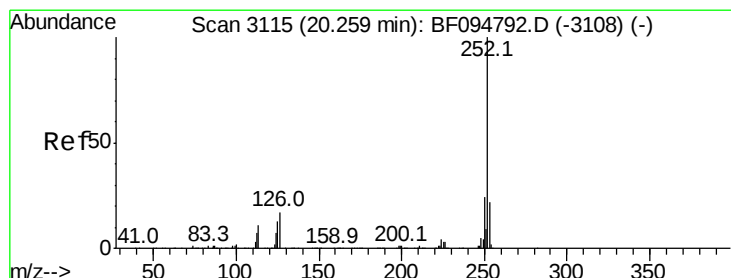
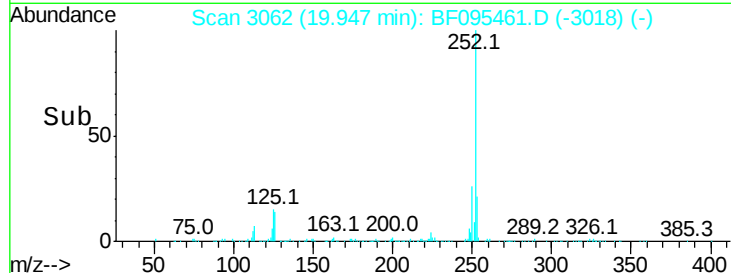
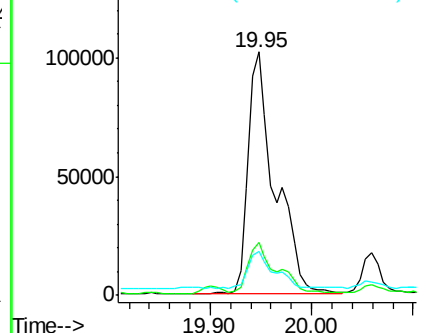


#88
Benzo(k)fluoranthene
Concen: 19.30 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.04 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tot	Ion:252	Resp:	188062
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	18.0	13.1	19.7

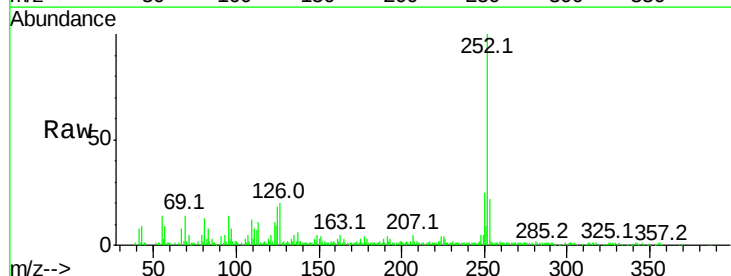


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

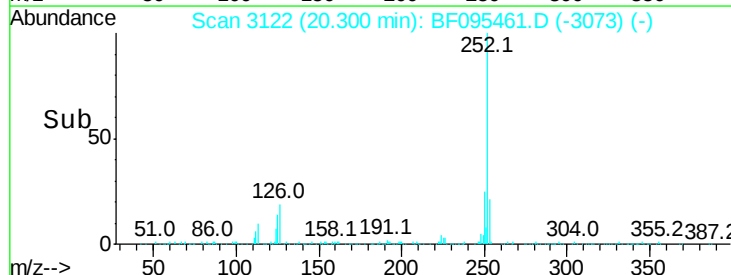
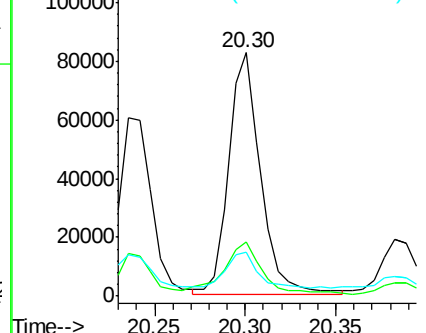


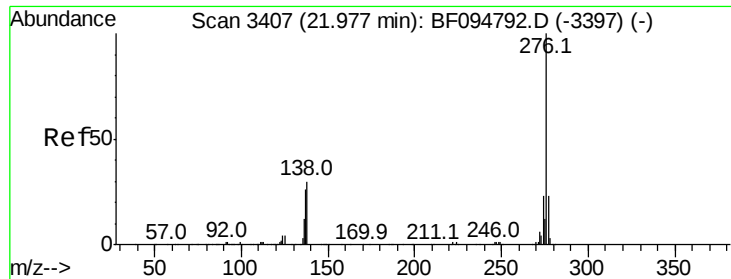
#89
Benzo(a)pyrene
Concen: 10.75 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095461.D
Acq: 26 May 2017 15:18

Tgt	Ion:252	Resp:	100168
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	18.0	11.0	16.4#



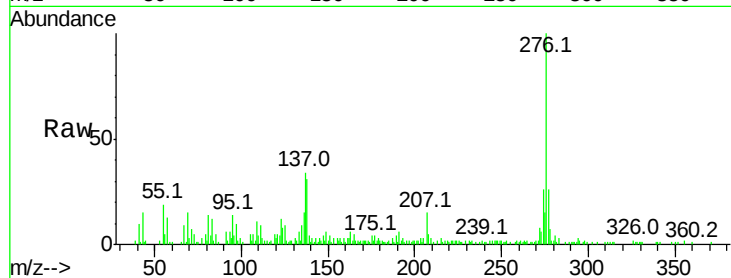
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 8.36 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BF095461.D
 Acq: 26 May 2017 15:18

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	31.2	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

