

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095463.D
 Acq On : 26 May 2017 16:22
 Operator : SJ/MA
 Sample : I3241-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 26 17:57:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92377	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	366733	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	160166	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	240390	20.00	ng	0.00
75) Chrysene-d12	18.67	240	203660	20.00	ng	0.00
86) Perylene-d12	20.35	264	168436	20.00	ng	0.00

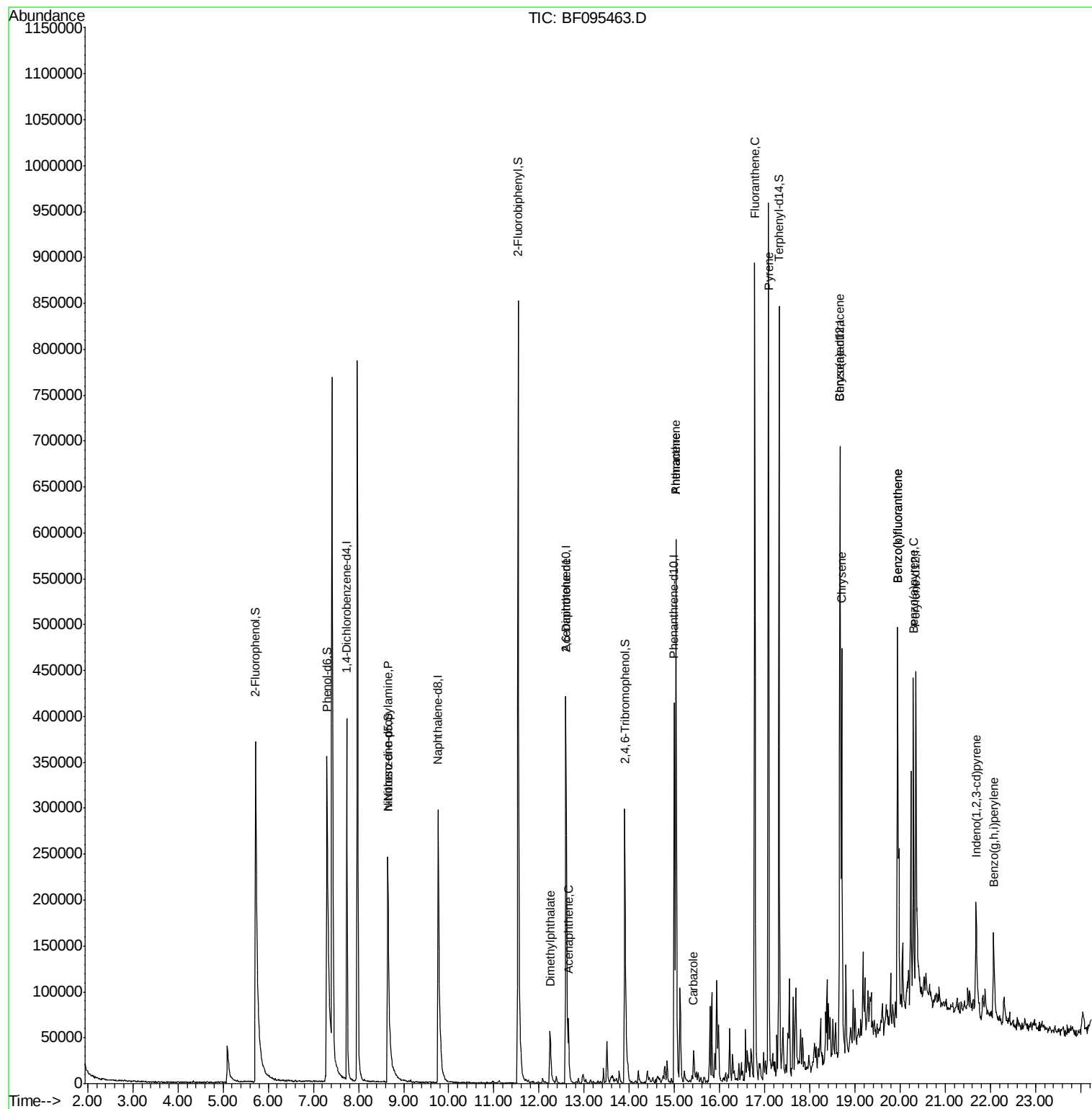
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	373590	67.43	ng	0.01
7) Phenol-d6	7.30	99	462424	69.56	ng	0.00
23) Nitrobenzene-d5	8.65	82	250767	43.12	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	70346	53.63	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	553235	49.72	ng	0.00
78) Terphenyl-d14	17.32	244	328513	35.53	ng	0.00

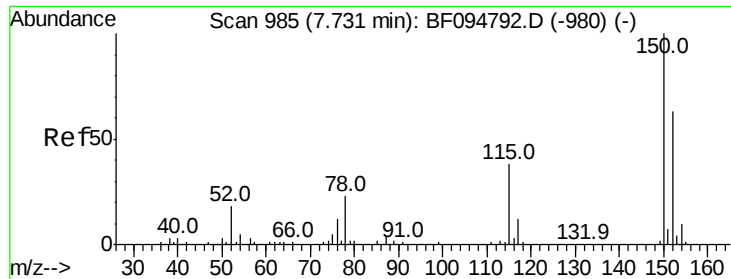
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	8.65	70	25697	5.72	ng	# 74
49) Dimethylphthalate	12.24	163	60111	4.57	ng	97
50) 2,6-Dinitrotoluene	12.60	165	18459	6.88	ng	# 31
51) Acenaphthene	12.65	154	26081	2.56	ng	95
70) Phenanthrene	15.04	178	354887	25.69	ng	98
71) Anthracene	15.04	178	354887	25.15	ng	98
72) Carbazole	15.42	167	29161	2.27	ng	97
74) Fluoranthene	16.78	202	490846	34.64	ng	99
77) Pyrene	17.08	202	431290	28.32	ng	97
80) Benzo(a)anthracene	18.66	228	216456	18.26	ng	97
82) Chrysene	18.71	228	198930	17.36	ng	98
85) Indeno(1,2,3-cd)pyrene	21.68	276	77655	8.34	ng	# 90
87) Benzo(b)fluoranthene	19.94	252	291935	28.05	ng	# 96
88) Benzo(k)fluoranthene	19.94	252	291632	29.05	ng	98
89) Benzo(a)pyrene	20.29	252	156417	16.29	ng	97
91) Benzo(g,h,i)perylene	22.07	276	71175	9.14	ng	98

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

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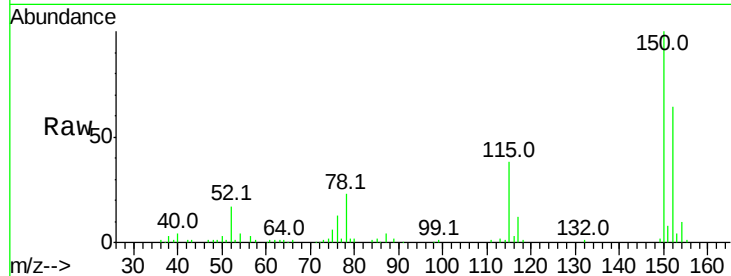




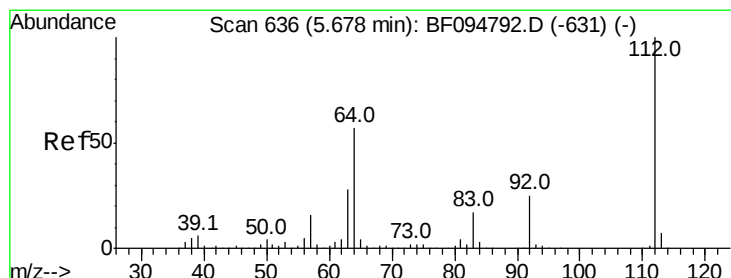
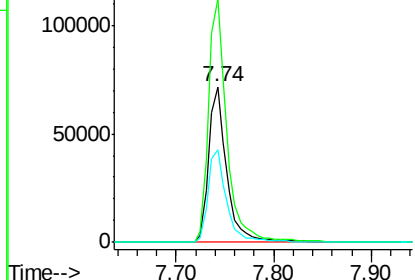
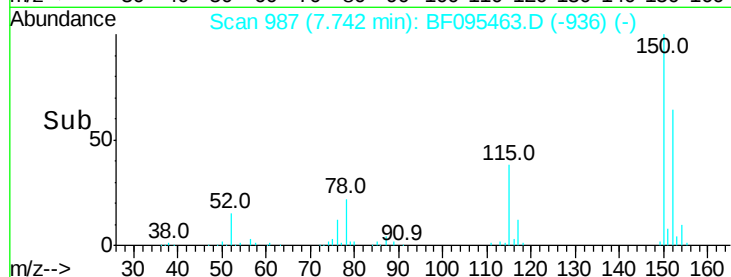
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tot Ion:152 Resp: 92377
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 59.5 52.2 78.2



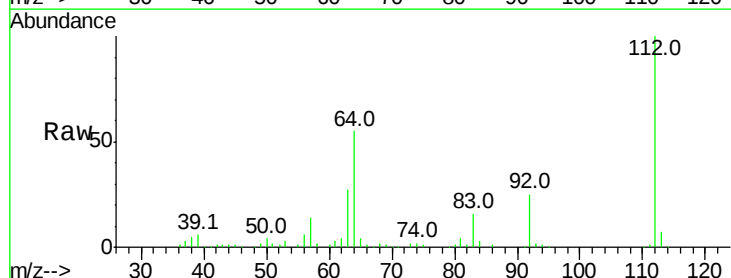
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



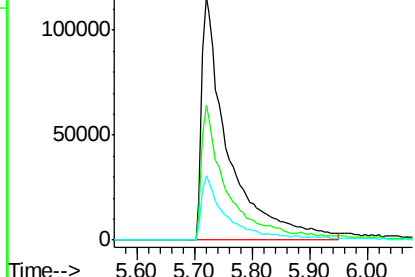
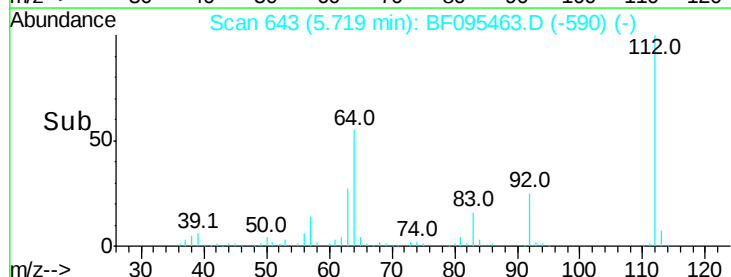
#5

2-Fluorophenol
Concen: 67.43 ng
RT: 5.72 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion:112 Resp: 373590
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 26.6 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: 69.56 ng

RT: 7.30 min Scan# 911

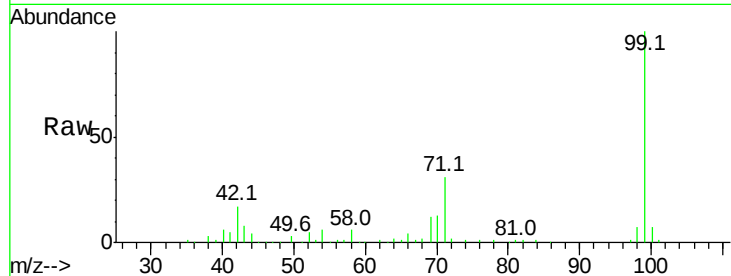
Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Tot Ion: 99 Resp: 462424

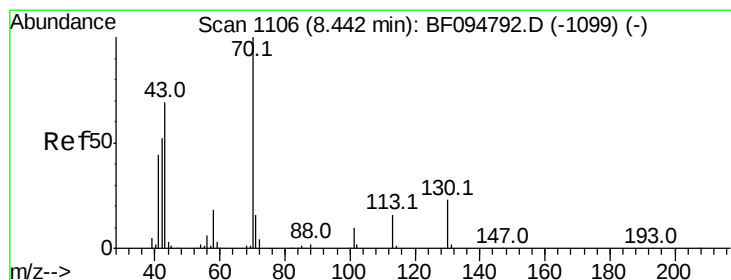
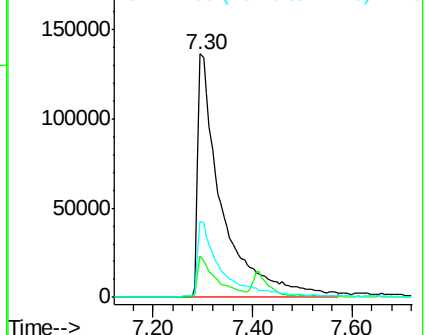
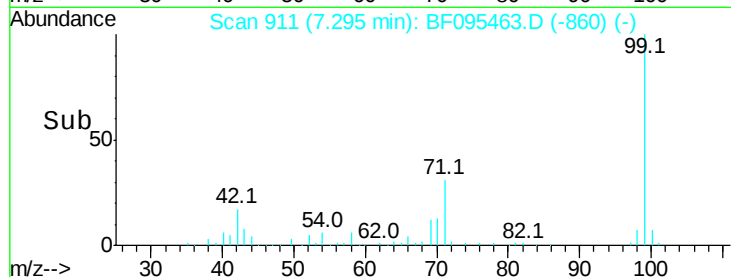
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.5	20.3
71	31.0	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.72 ng

RT: 8.65 min Scan# 1141

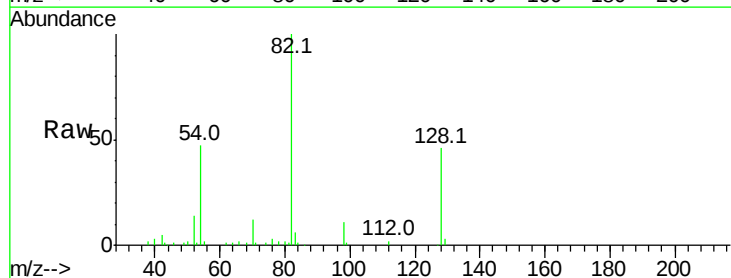
Delta R.T. 0.19 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Tgt Ion: 70 Resp: 25697

Ion	Ratio	Lower	Upper
70	100		
42	43.9	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

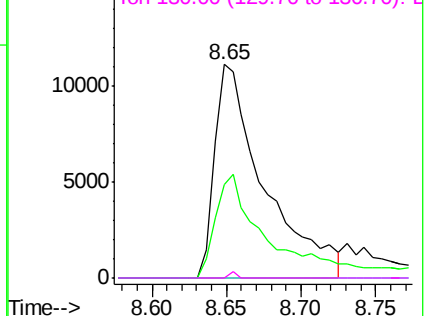
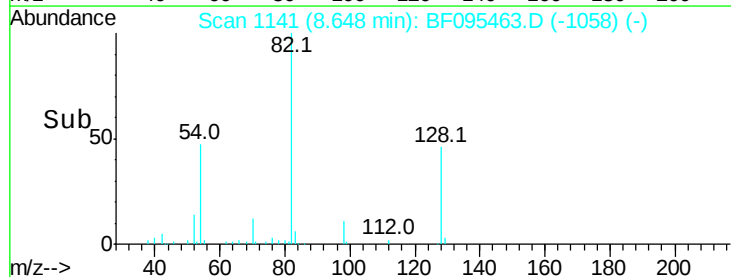


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

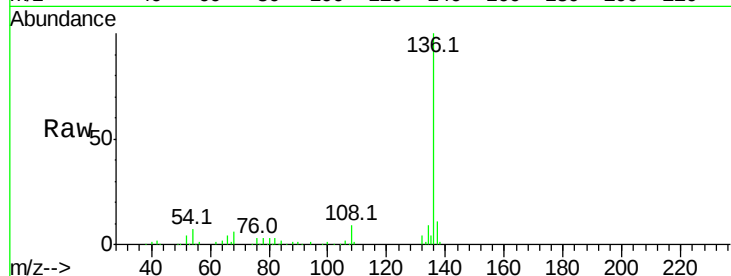
RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Tot Ion:136	Resp:	366733
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	7.4	4.9 7.3#
68	5.6	4.1 6.1

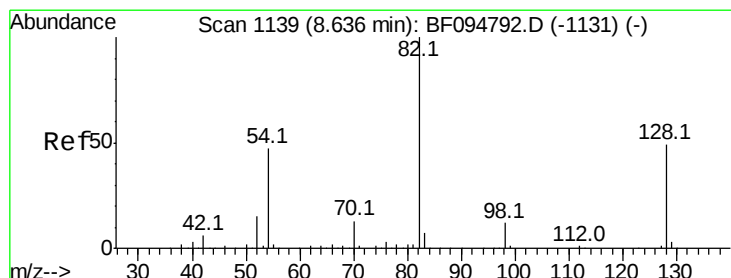
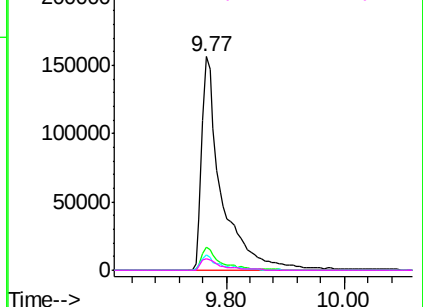
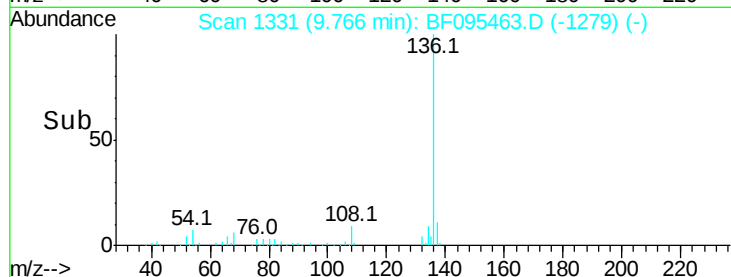


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 43.12 ng

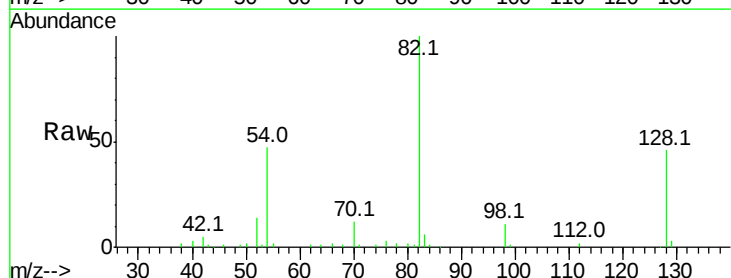
RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

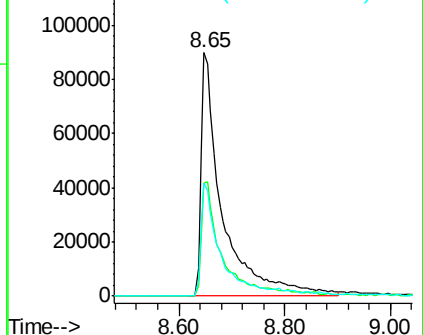
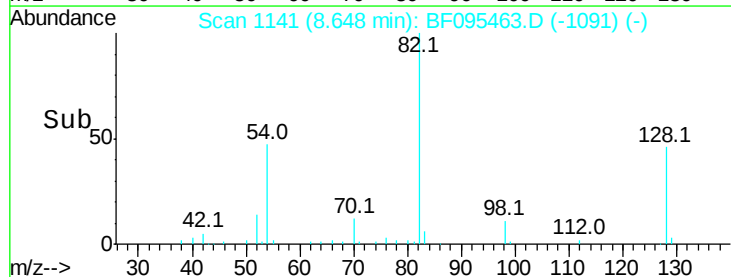
Tgt Ion: 82	Resp:	250767
Ion	Ratio	Lower Upper
82	100	
128	46.2	34.0 51.0
54	46.7	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

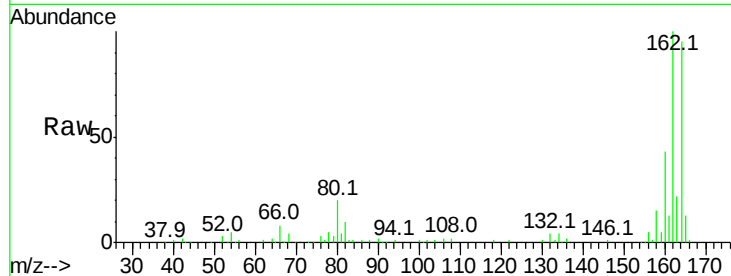
Ion 54.00 (53.70 to 54.70): BF0



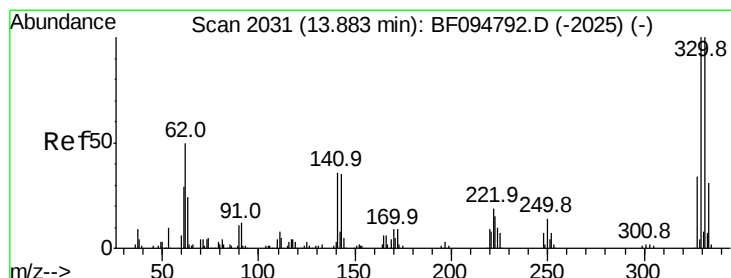
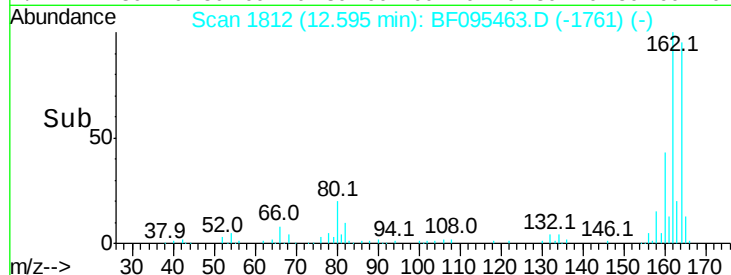
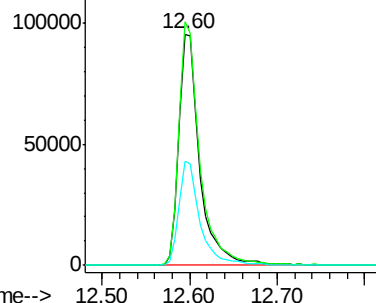


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.3	36.2	54.2

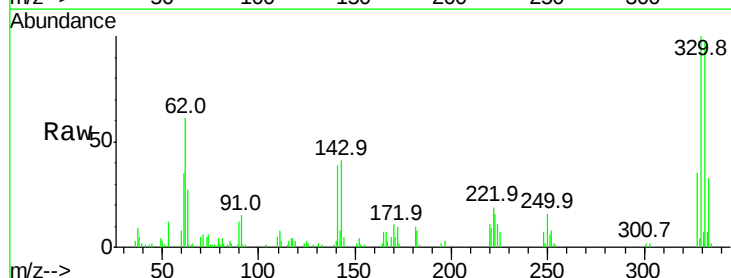


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

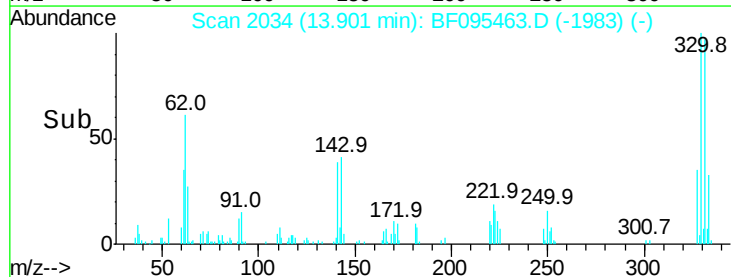
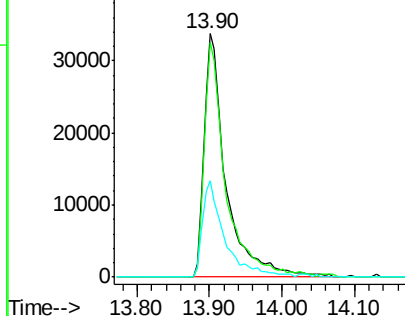


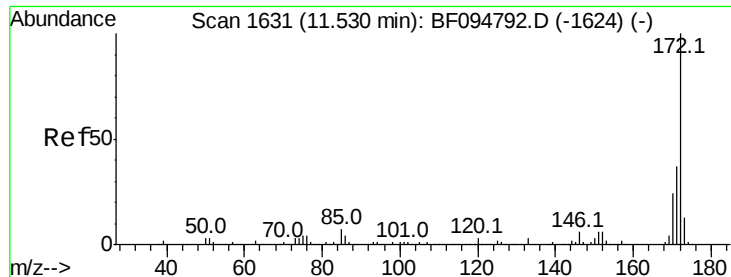
#41
2,4,6-Tribromophenol
Concen: 53.63 ng
RT: 13.90 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	40.1	31.4	47.2



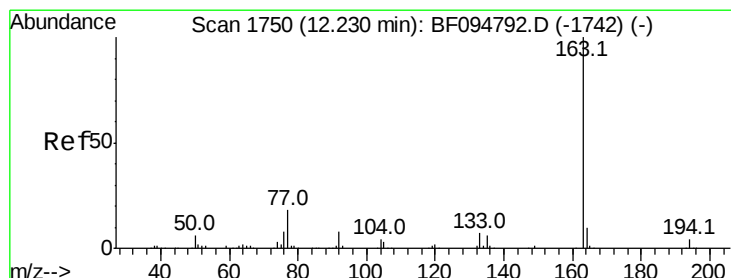
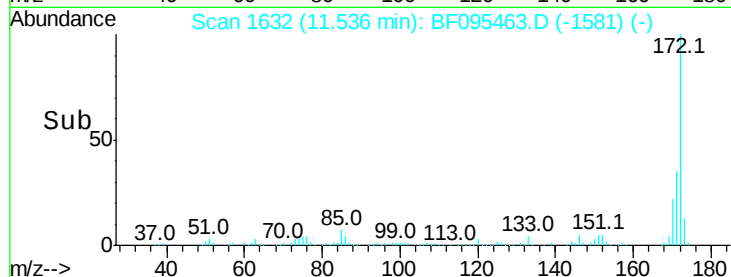
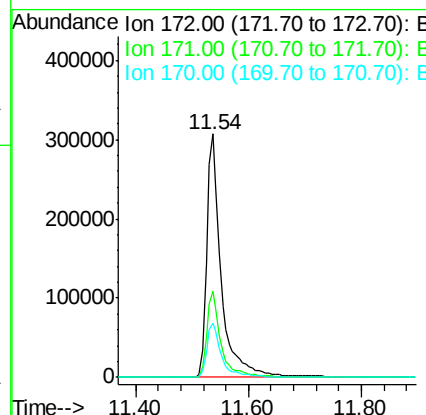
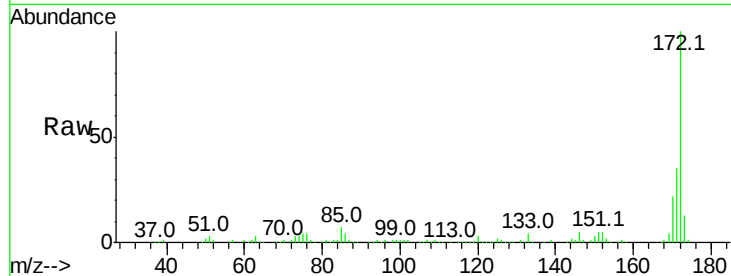
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





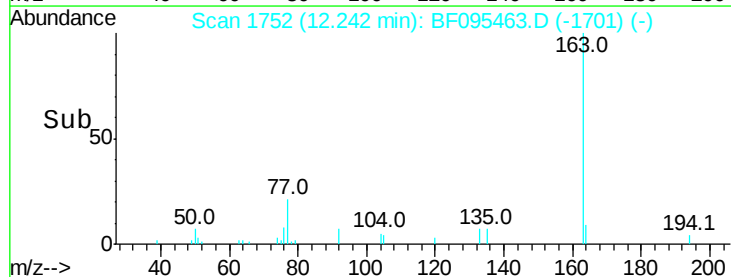
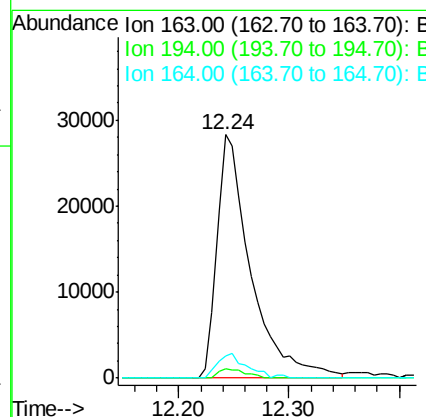
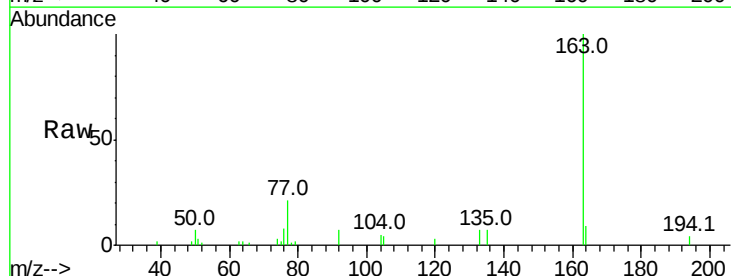
#44
2-Fluorobiphenyl
Concen: 49.72 ng
RT: 11.54 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

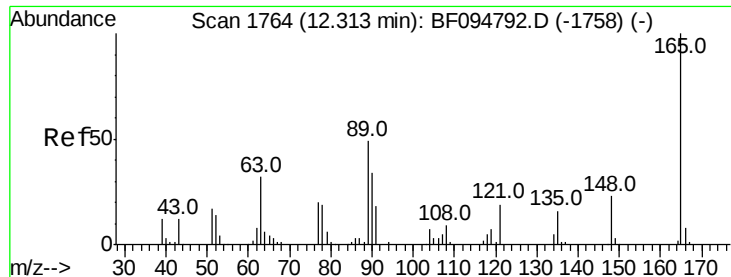
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.5	19.8	29.8



#49
Dimethylphthalate
Concen: 4.57 ng
RT: 12.24 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	9.2	8.4	12.6





#50

2,6-Dinitrotoluene

Concen: 6.88 ng

RT: 12.60 min Scan# 1812

Delta R.T. 0.25 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

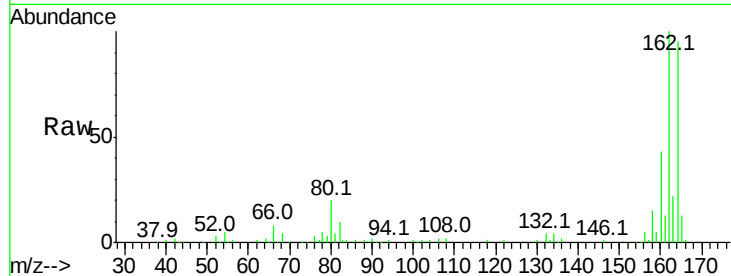
Tot Ion:165 Resp: 18459

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

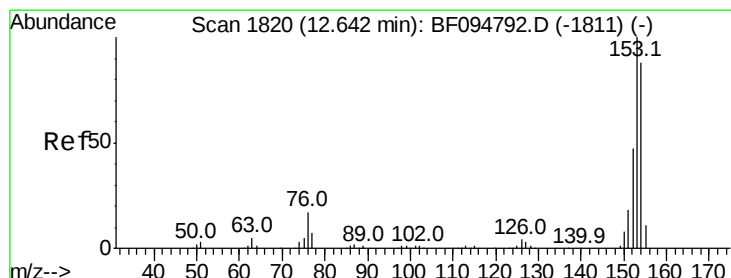
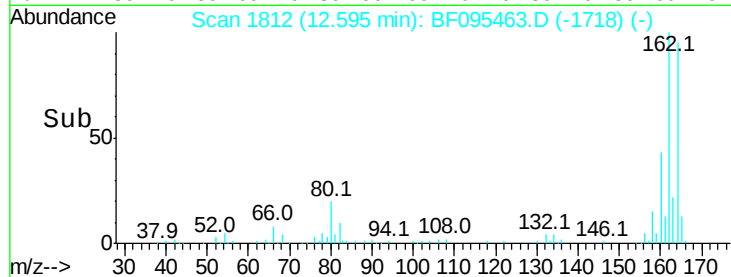
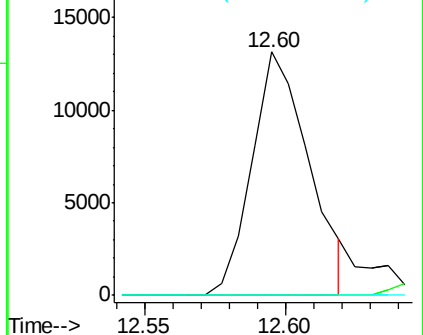
89 0.0 37.1 55.7#



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



#51

Acenaphthene

Concen: 2.56 ng

RT: 12.65 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

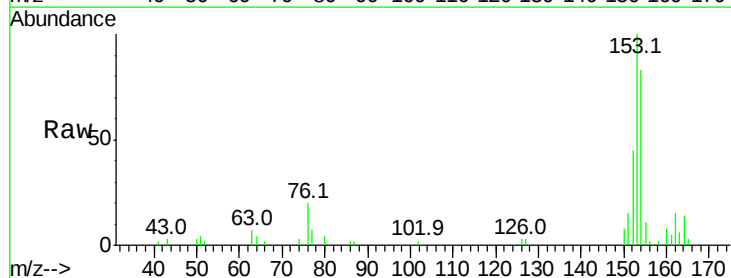
Tgt Ion:154 Resp: 26081

Ion Ratio Lower Upper

154 100

153 120.6 90.5 135.7

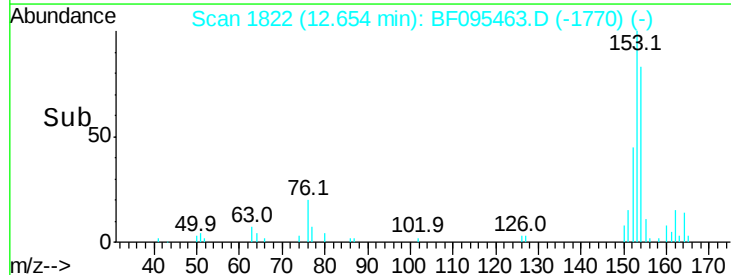
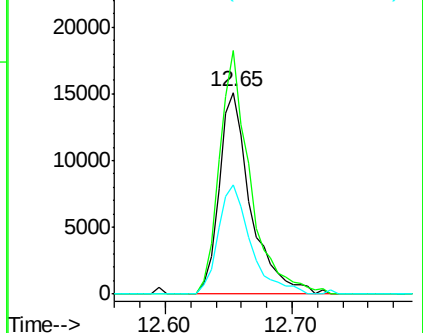
152 54.3 43.6 65.4

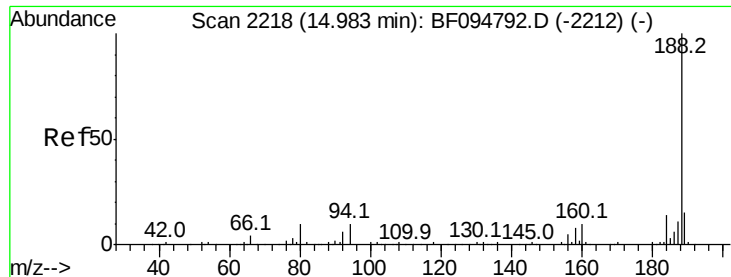


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

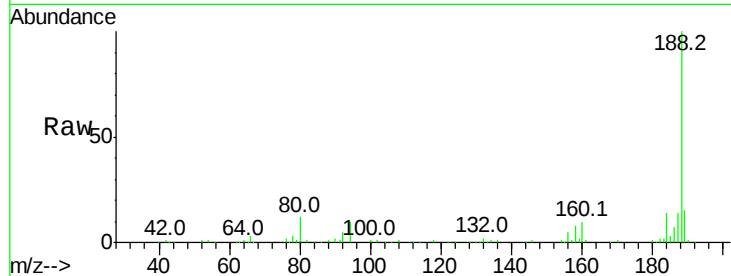
Ion 152.00 (151.70 to 152.70): E



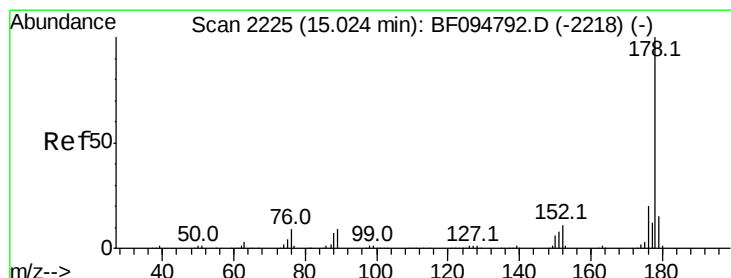
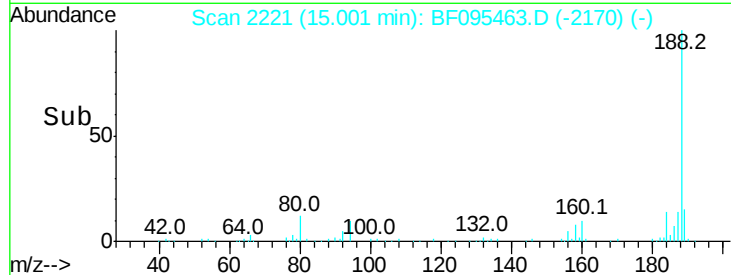
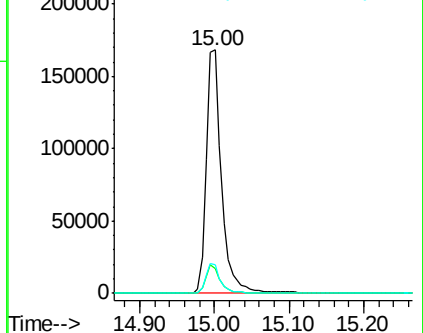


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Tot Ion:188 Resp: 240390
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.6 10.2 15.2

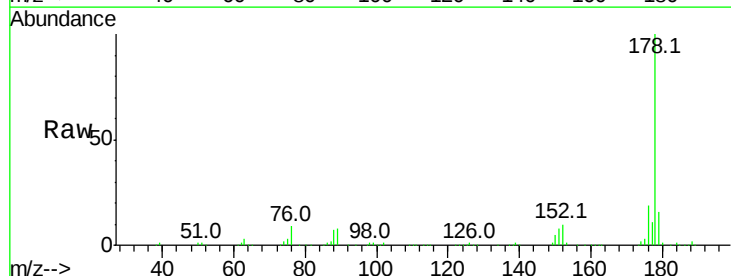


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

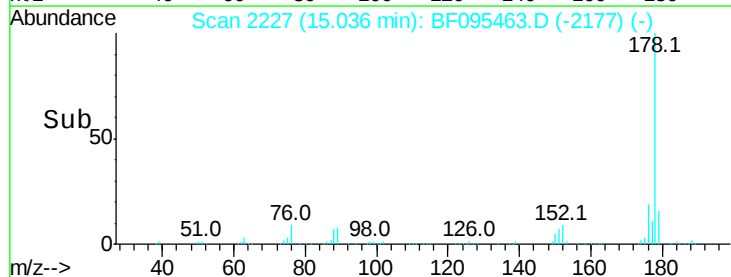
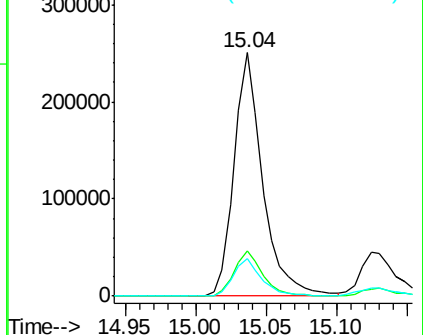


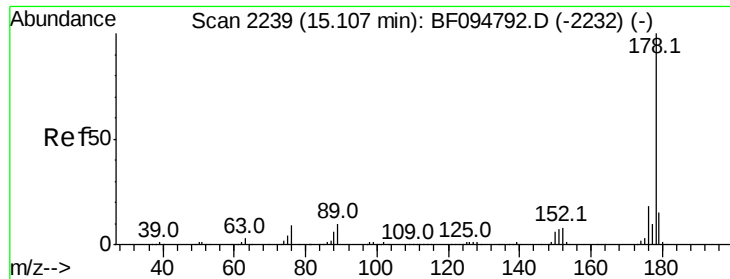
#70
 Phenanthrene
 Concen: 25.69 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Tgt Ion:178 Resp: 354887
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 15.7 12.6 19.0



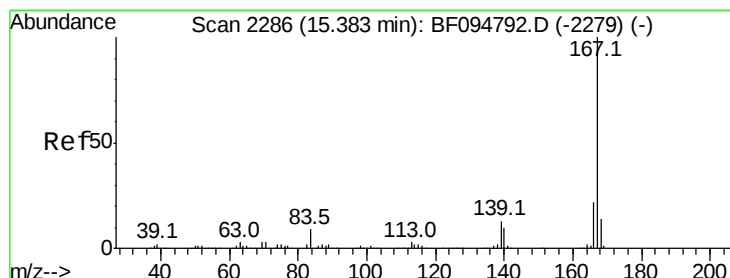
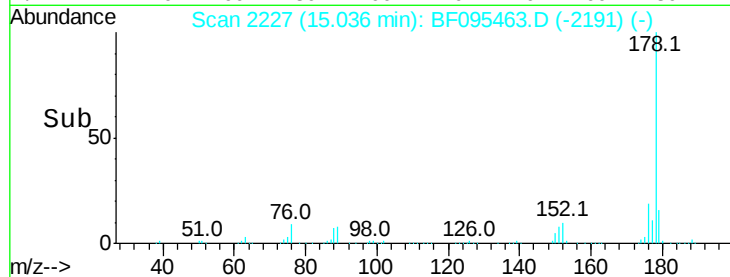
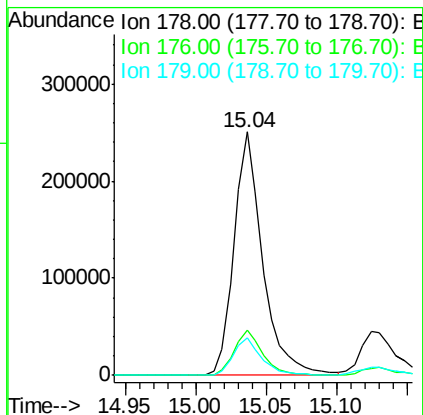
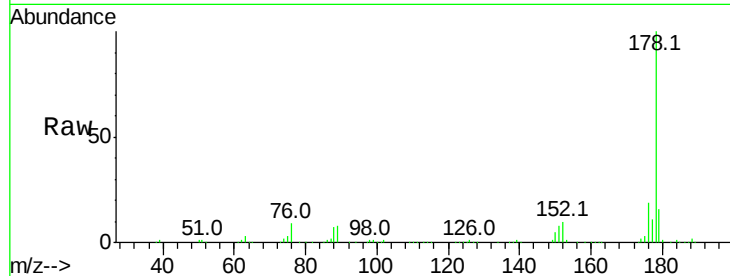
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





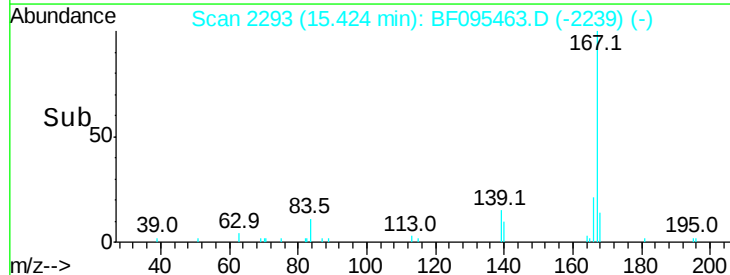
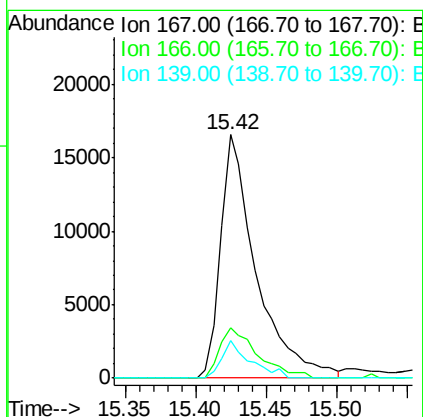
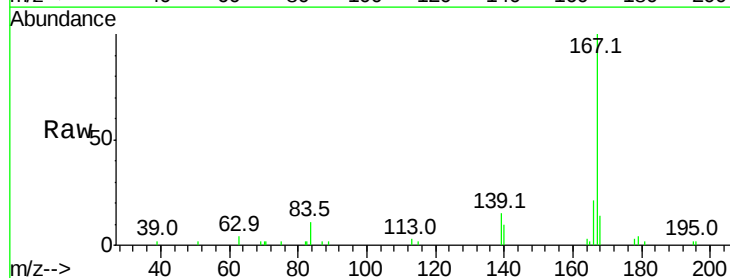
#71
 Anthracene
 Concen: 25.15 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

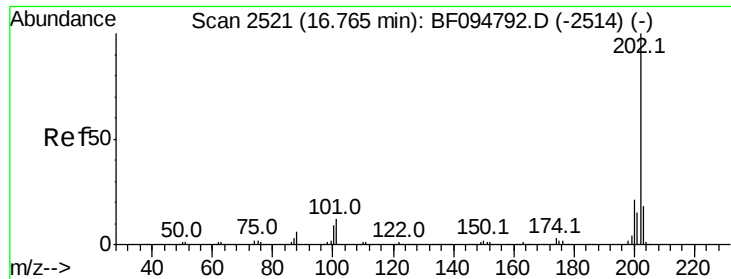
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.7	12.7	19.1



#72
 Carbazole
 Concen: 2.27 ng
 RT: 15.42 min Scan# 2293
 Delta R.T. 0.02 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

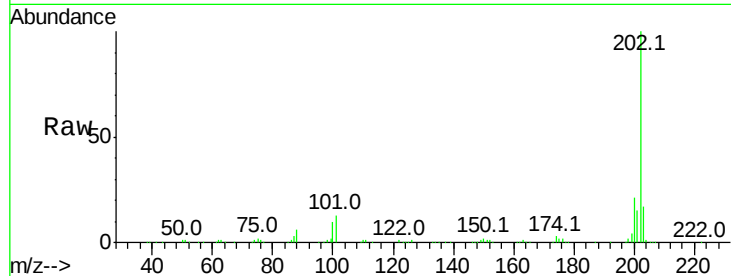
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	18.1	27.1
139	15.2	11.7	17.5



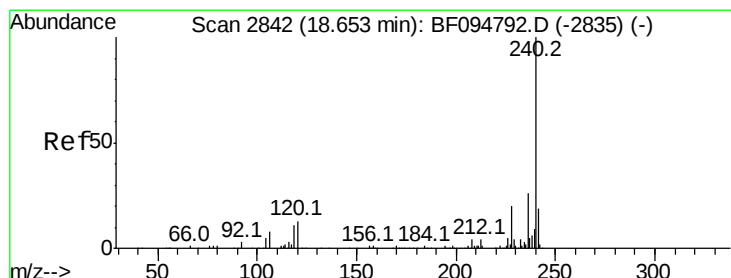
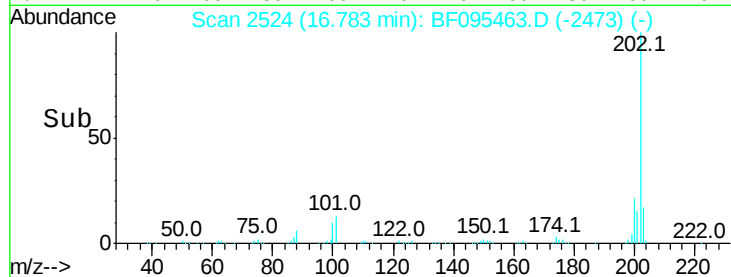
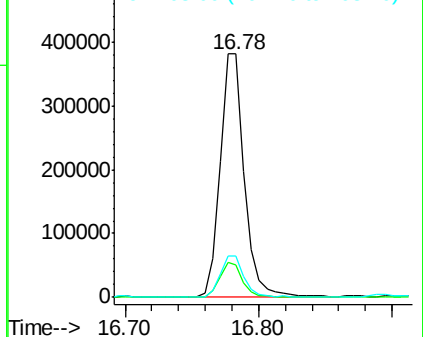


#74
Fluoranthene
Concen: 34.64 ng
RT: 16.78 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tot Ion	Ratio	Resp	Lower	Upper
202	100	490846		
101	13.1		0.0	33.2
203	17.1		0.0	38.1

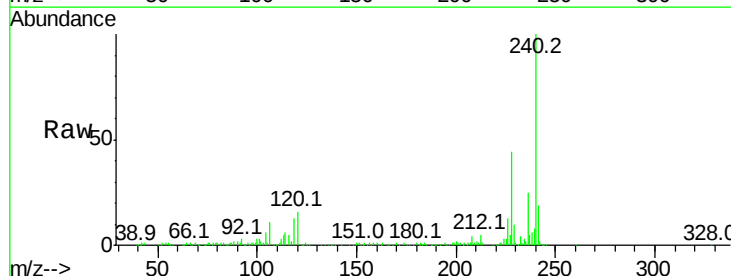


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

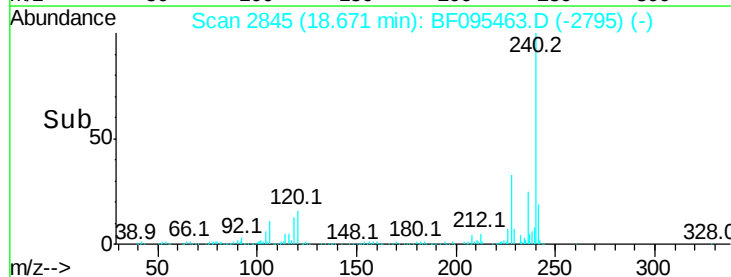
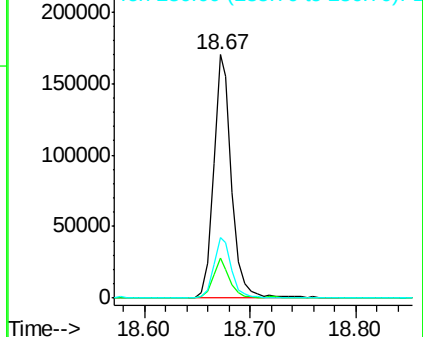


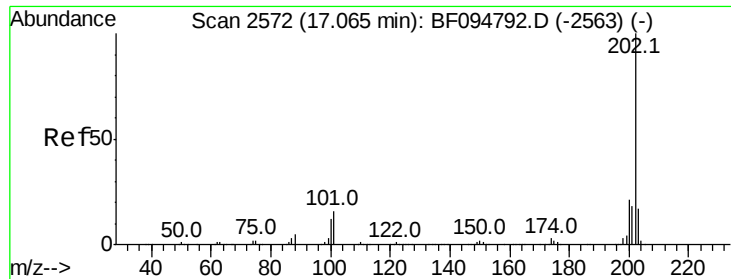
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	203660		
120	16.4		5.8	8.8#
236	24.7		20.5	30.7



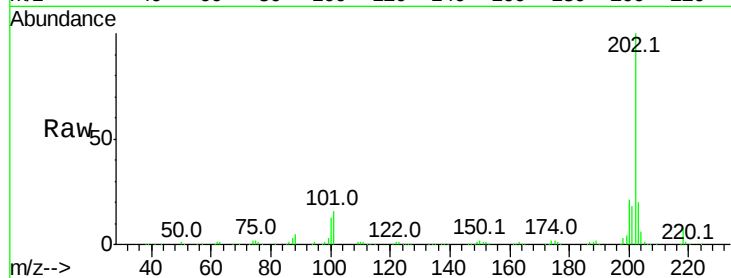
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



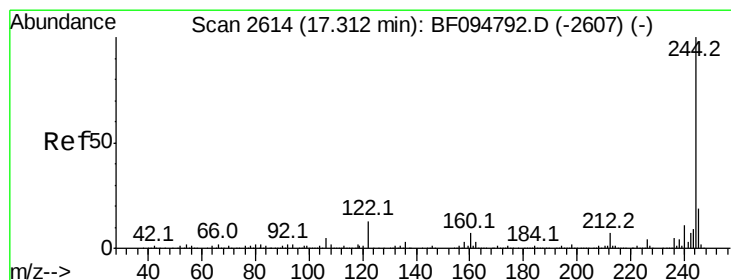
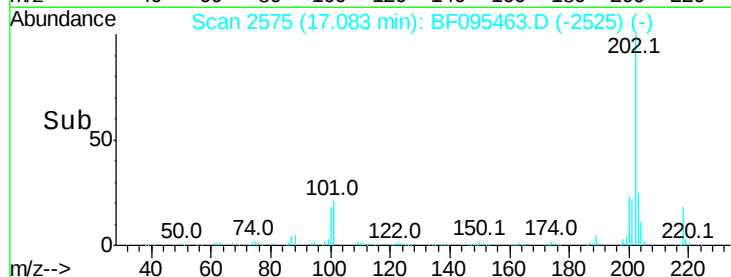
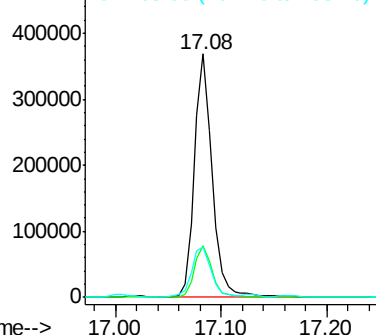


#77
Pvrene
Concen: 28.32 ng
RT: 17.08 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.4	14.4	21.6

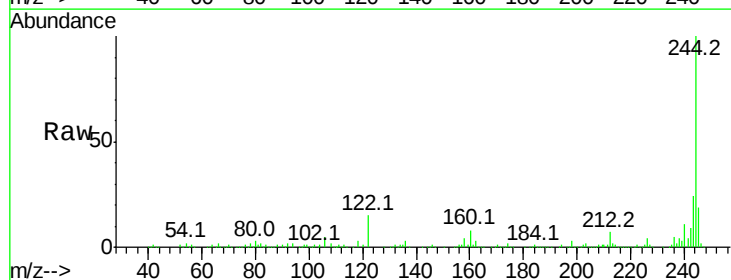


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

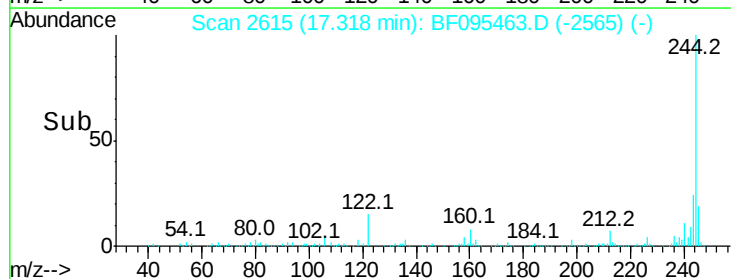
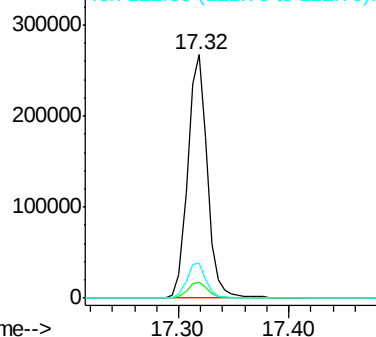


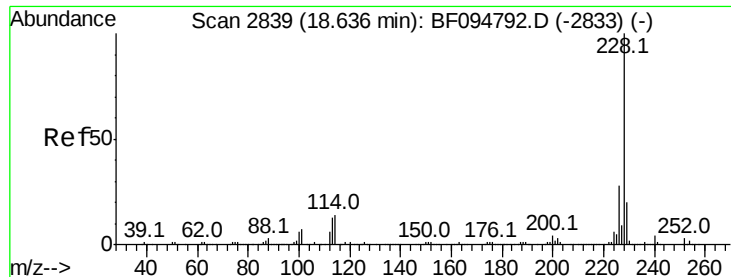
#78
Terphenyl-d14
Concen: 35.53 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.5	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: 18.26 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

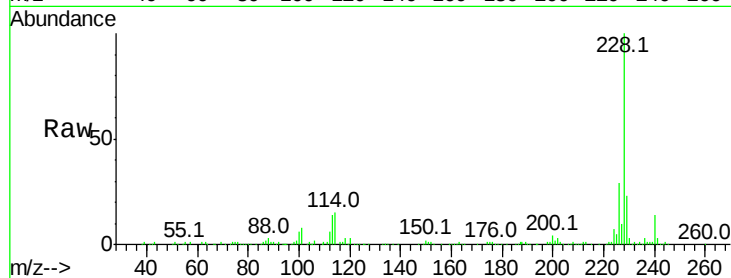
Tot Ion:228 Resp: 216456

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	23.0	16.3	24.5

228 100

226 28.8 22.6 33.8

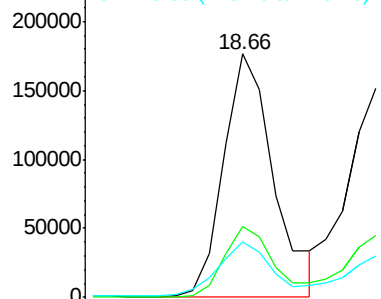
229 23.0 16.3 24.5



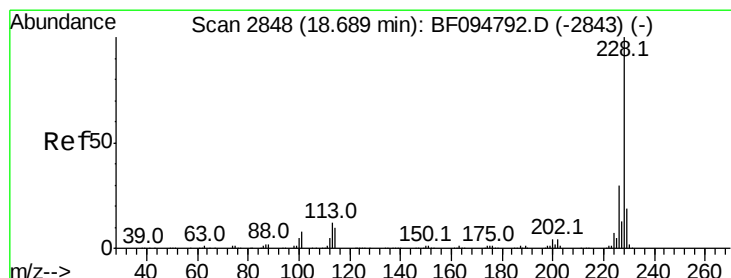
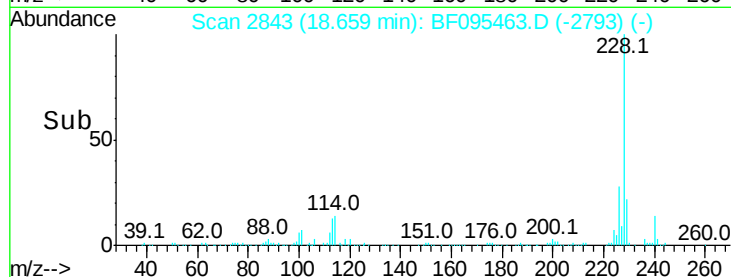
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 17.36 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

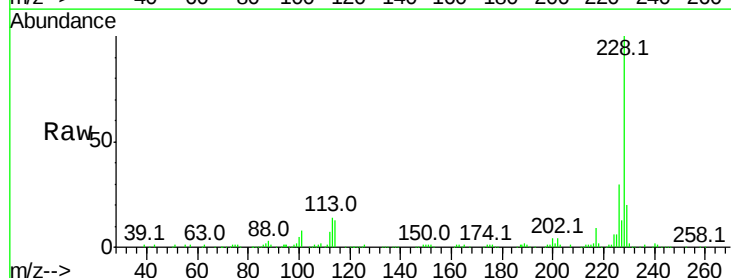
Tgt Ion:228 Resp: 198930

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.7	15.8	23.6

228 100

226 29.7 24.9 37.3

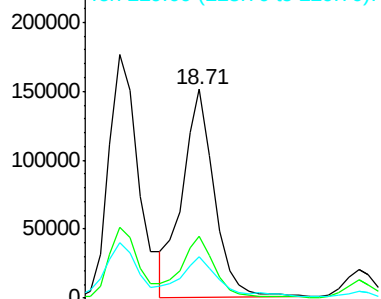
229 19.7 15.8 23.6



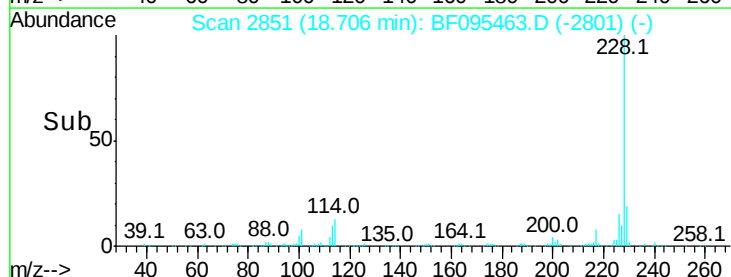
Abundance Ion 228.00 (227.70 to 228.70): E

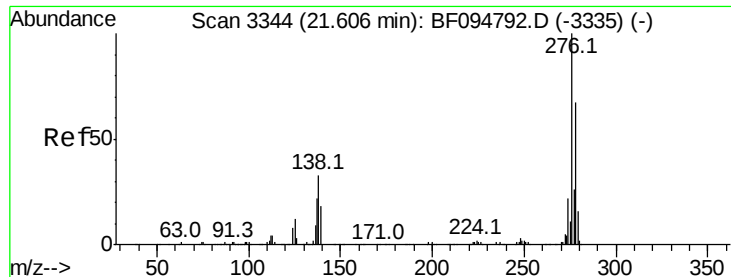
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.34 ng

RT: 21.68 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

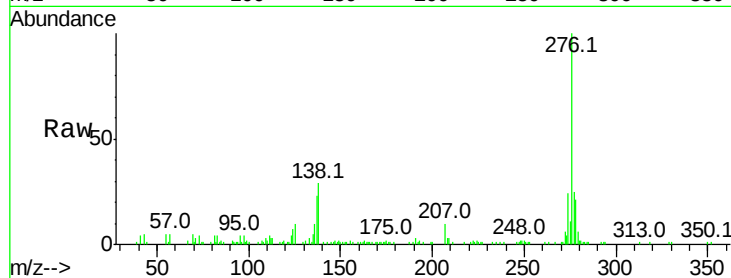
Tot Ion:276 Resp: 77655

Ion Ratio Lower Upper

276 100

138 26.0 27.8 41.6#

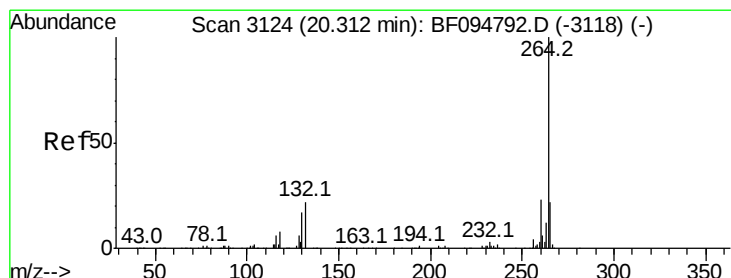
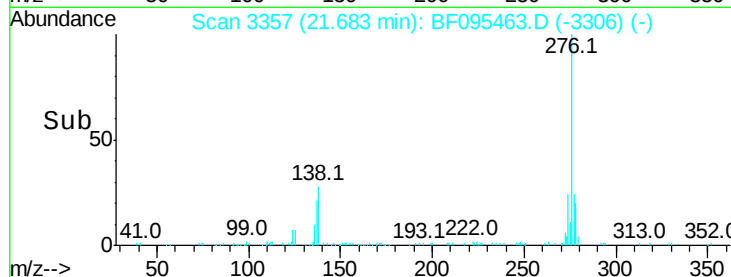
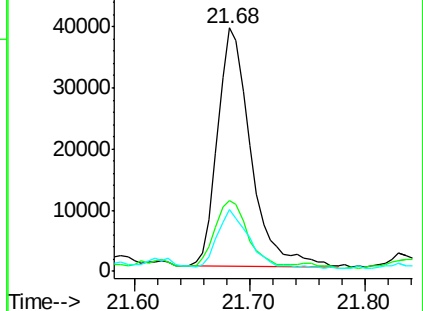
277 24.1 20.2 30.4



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

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

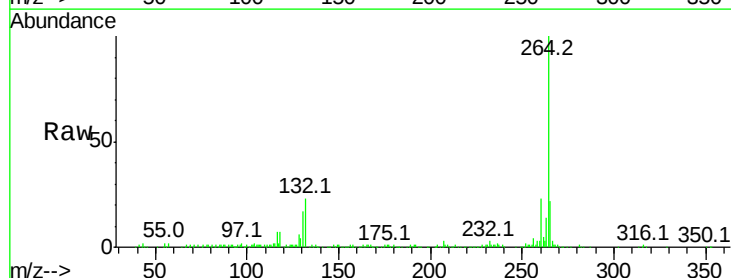
Tgt Ion:264 Resp: 168436

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

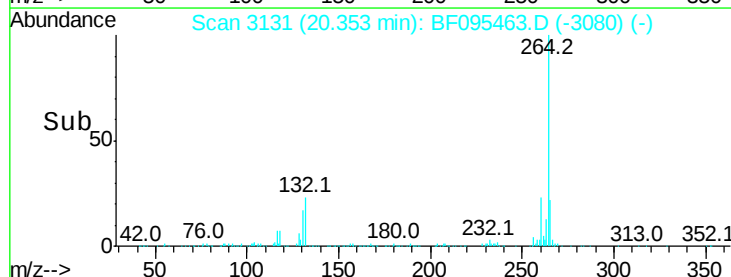
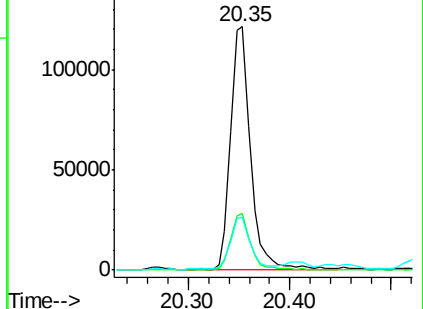
265 21.8 17.2 25.8

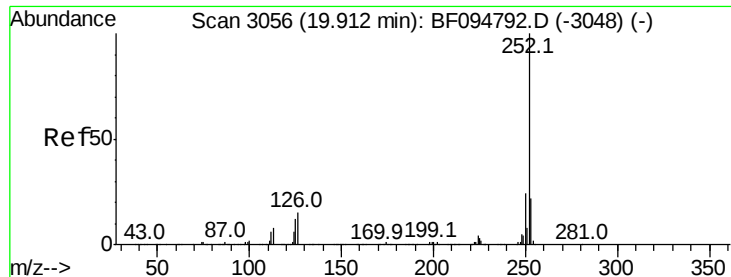


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 28.05 ng

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

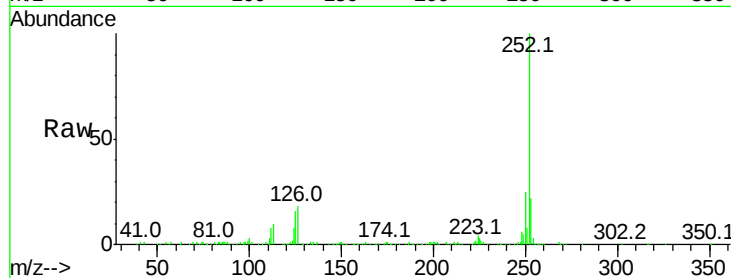
Tot Ion:252 Resp: 291935

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

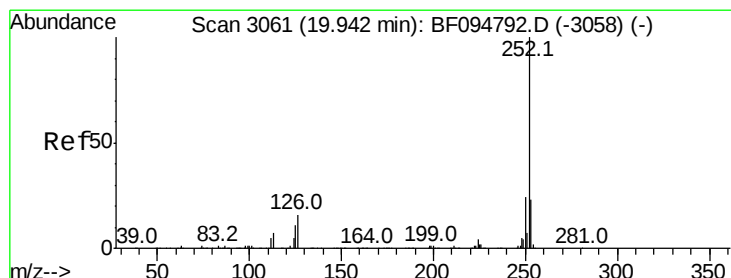
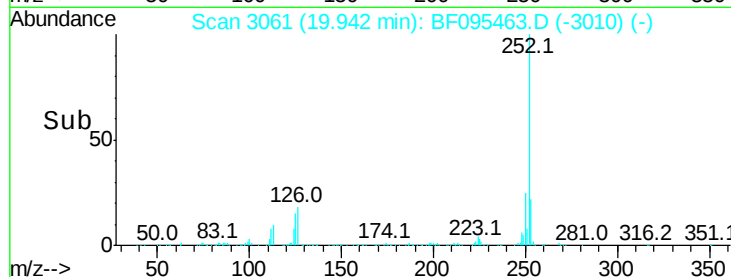
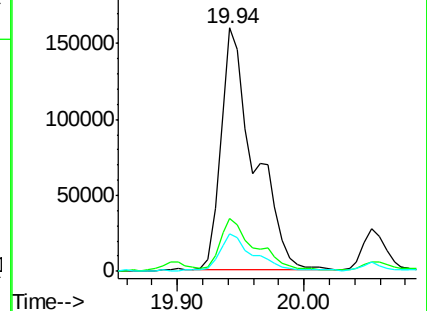
125 15.6 9.8 14.8#



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: 29.05 ng

RT: 19.94 min Scan# 3061

Delta R.T. -0.03 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

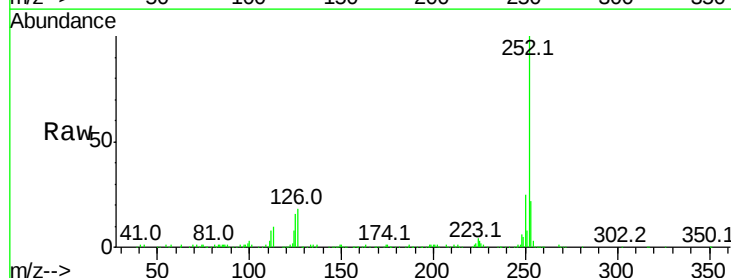
Tgt Ion:252 Resp: 291632

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

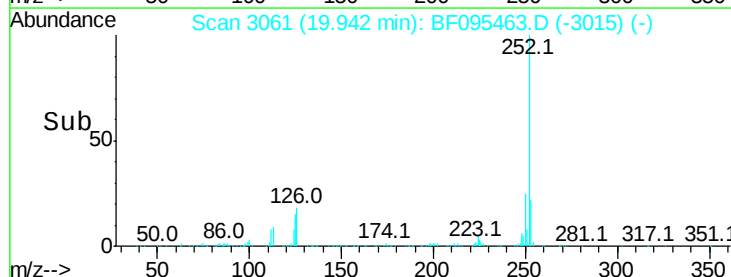
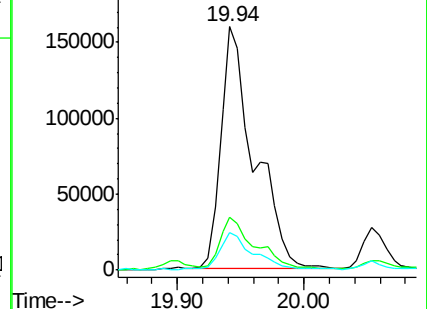
125 15.6 13.1 19.7

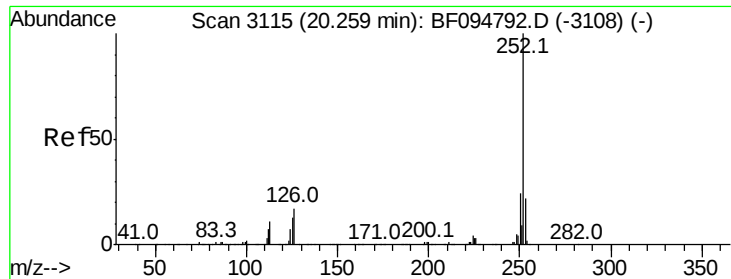


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

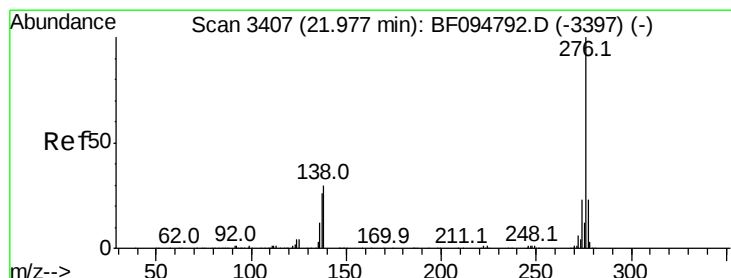
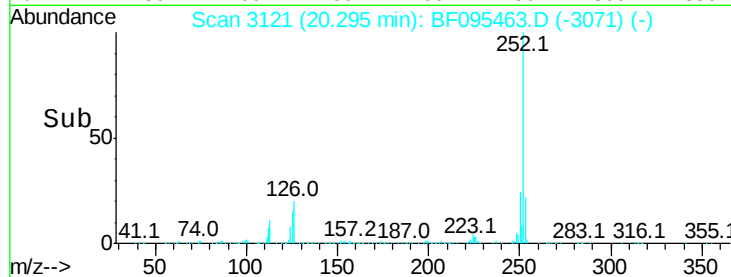
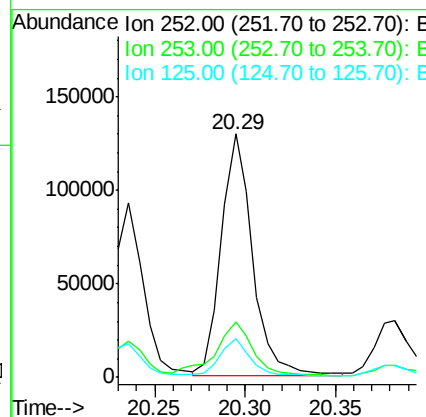
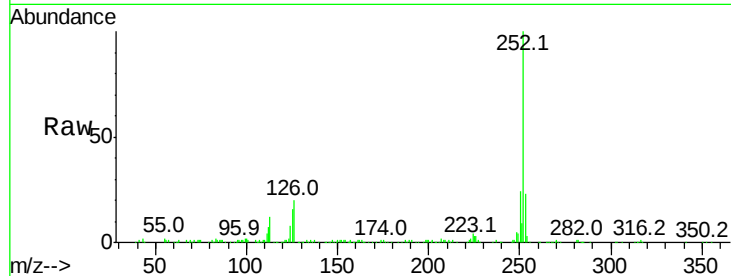
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 16.29 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tot Ion:	252	Resp:	156417
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.8	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 9.14 ng
RT: 22.07 min Scan# 3423
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion:	276	Resp:	71175
Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	33.3	25.4	38.0

