

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095474.D
 Acq On : 26 May 2017 22:19
 Operator : SJ/MA
 Sample : I3241-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 27 03:11:46 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	92226	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	365968	20.00	ng	0.01
38) Acenaphthene-d10	12.60	164	150570	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	219569	20.00	ng	0.00
75) Chrysene-d12	18.68	240	194832	20.00	ng	0.00
86) Perylene-d12	20.35	264	144724	20.00	ng	0.00

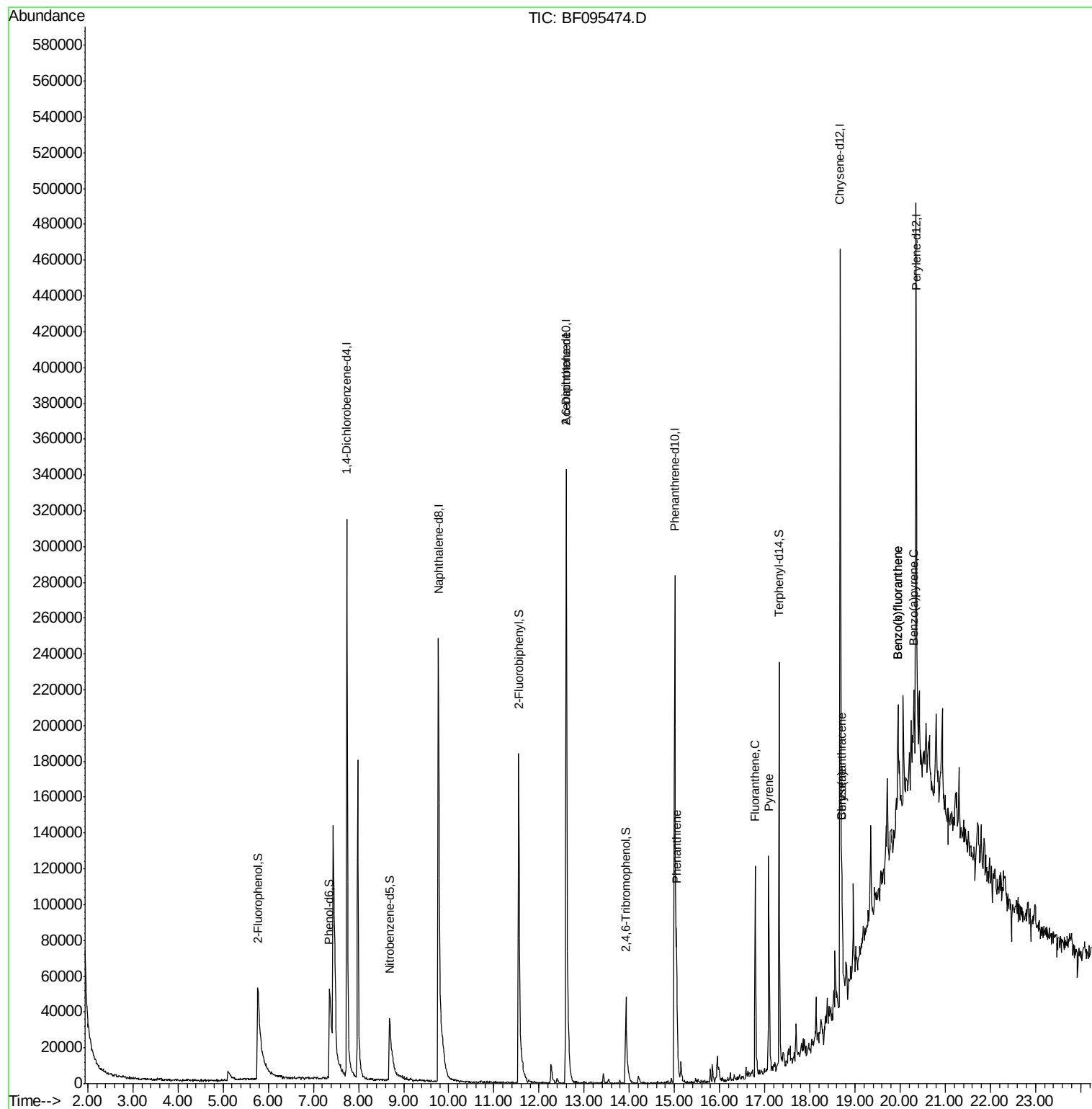
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	79942	14.45	ng	0.06
7) Phenol-d6	7.35	99	111995	16.87	ng	0.06
23) Nitrobenzene-d5	8.69	82	55490	9.56	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	14941	12.12	ng	0.02
44) 2-Fluorobiphenyl	11.55	172	153400	14.66	ng	0.01
78) Terphenyl-d14	17.32	244	94772	10.71	ng	0.00

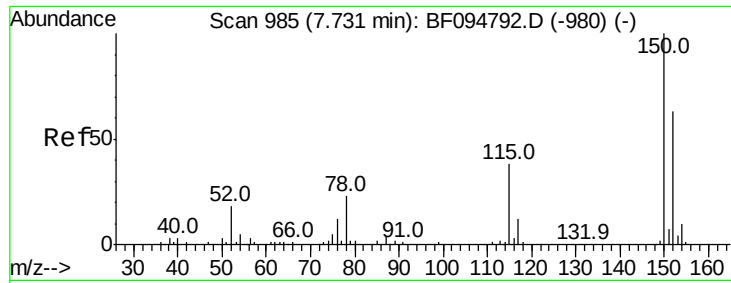
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	12.60	165	15457	6.13	ng	# 31
70) Phenanthrene	15.04	178	46574	3.69	ng	98
74) Fluoranthene	16.79	202	75235	5.81	ng	97
77) Pyrene	17.09	202	70903	4.87	ng	97
80) Benzo(a)anthracene	18.71	228	28152	2.48	ng	97
82) Chrysene	18.71	228	28152	2.57	ng	95
87) Benzo(b)fluoranthene	19.95	252	42784	4.78	ng	# 88
88) Benzo(k)fluoranthene	19.95	252	42784	4.96	ng	# 92
89) Benzo(a)pyrene	20.30	252	19271	2.34	ng	# 82

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

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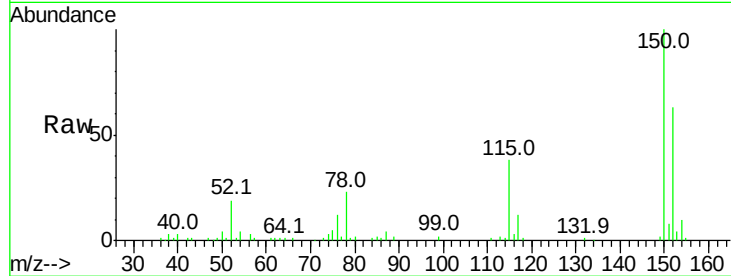




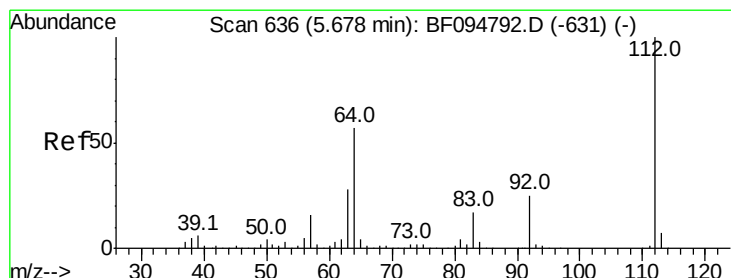
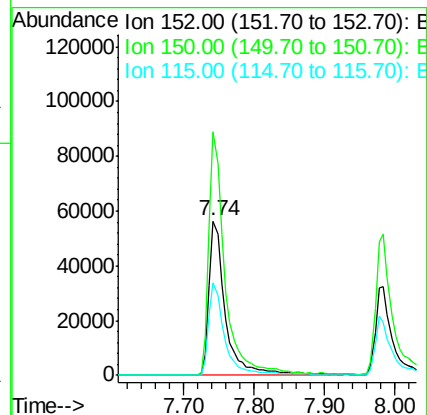
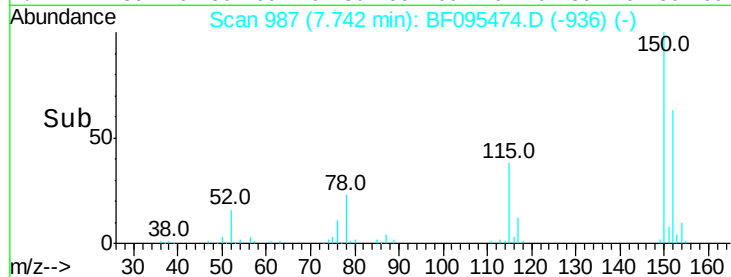
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	60.0	52.2	78.2



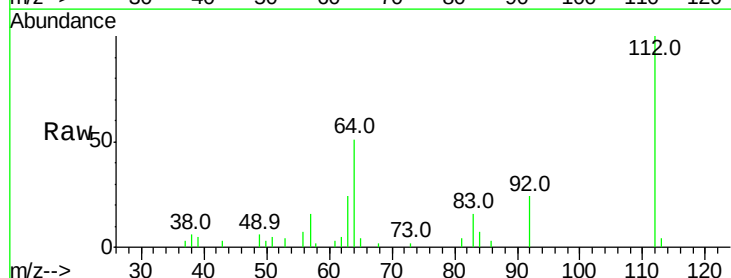
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



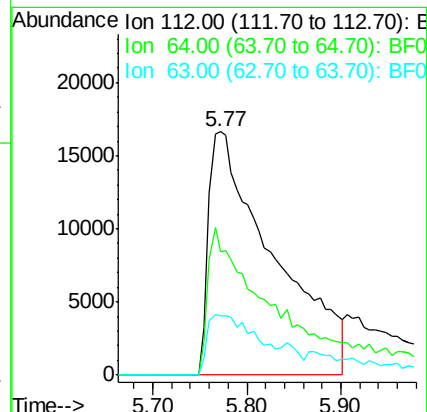
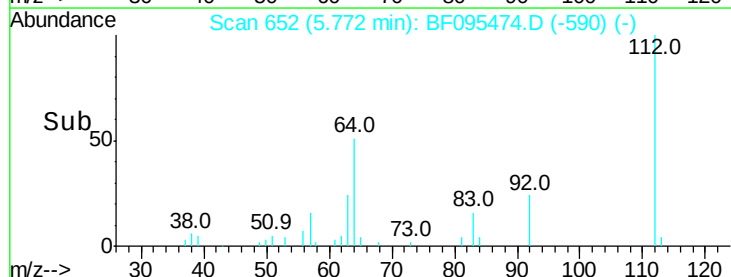
#5

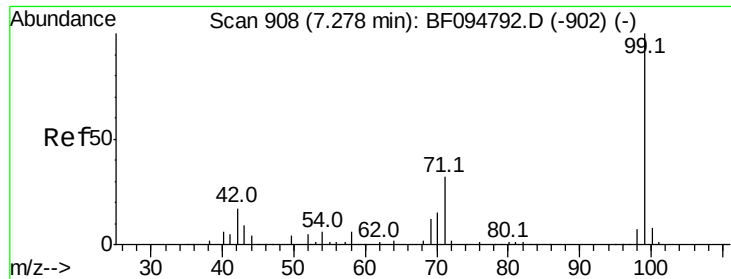
2-Fluorophenol
Concen: 14.45 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.06 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	46.0	69.0
63	24.3	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: 16.87 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.06 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

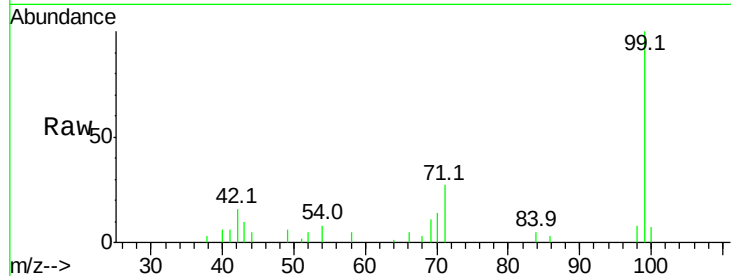
Tot Ion: 99 Resp: 111995

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

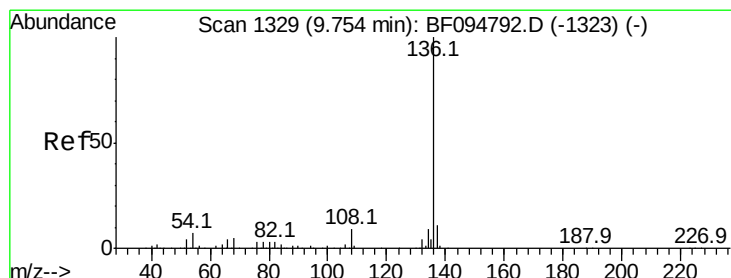
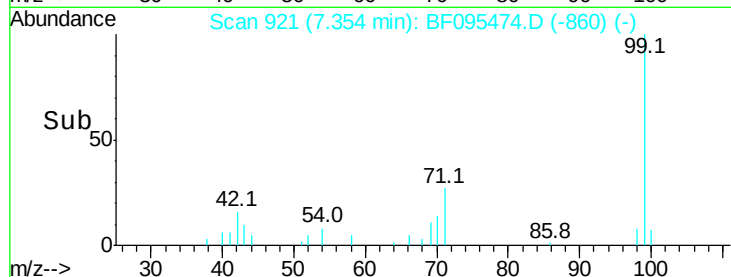
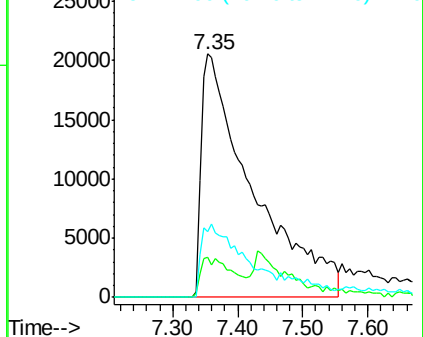
71 27.2 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Tgt Ion: 136 Resp: 365968

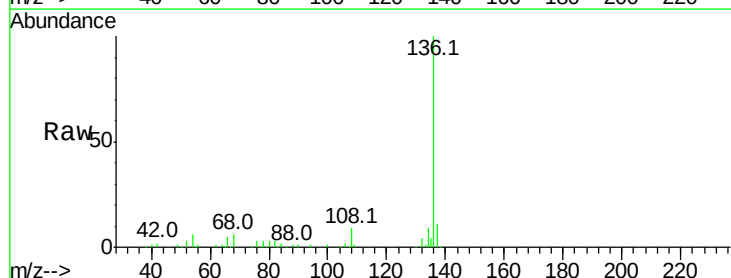
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.4 4.9 7.3

68 5.9 4.1 6.1

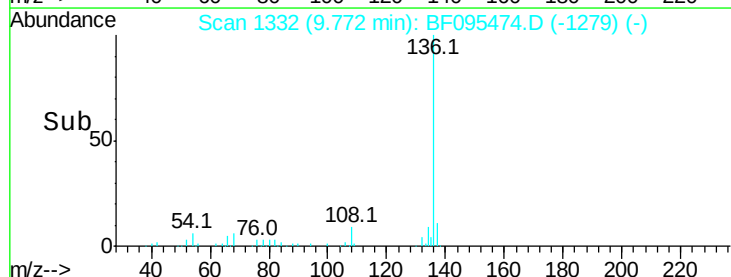
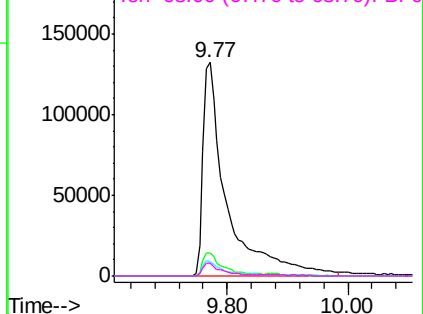


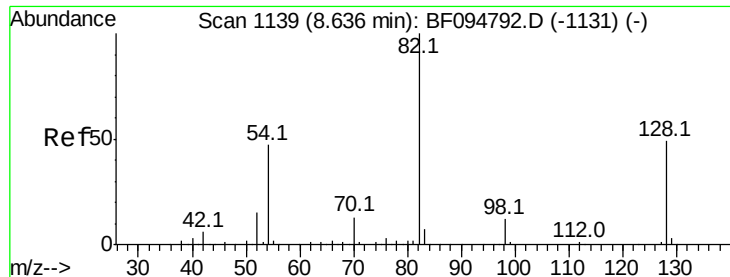
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

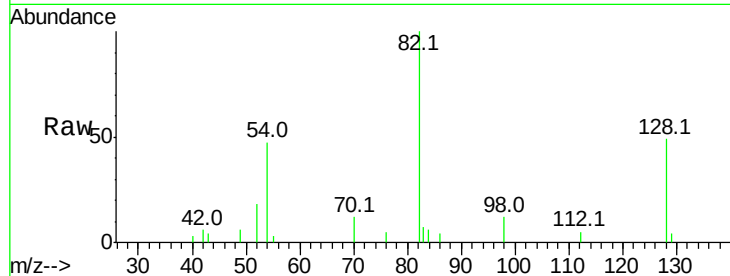
Ion 68.00 (67.70 to 68.70): BF0



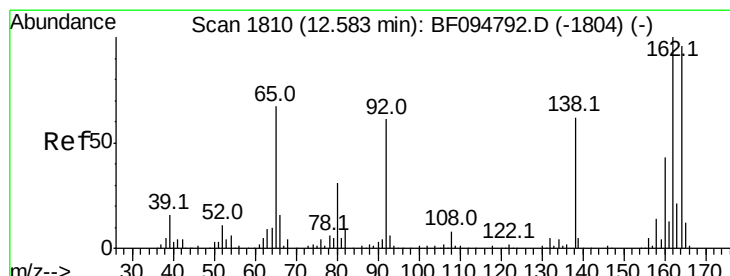
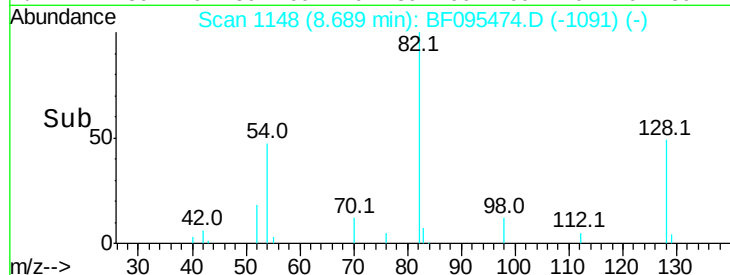
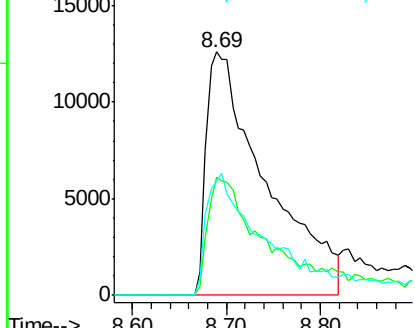


#23
Nitrobenzene-d5
Concen: 9.56 ng
RT: 8.69 min Scan# 1148
Delta R.T. 0.04 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tot Ion: 82 Resp: 55490
Ion Ratio Lower Upper
82 100
128 48.6 34.0 51.0
54 46.8 42.2 63.2

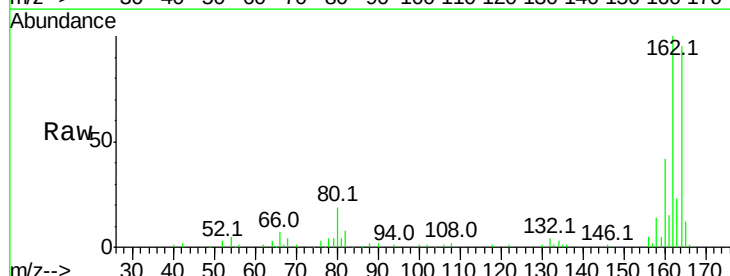


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

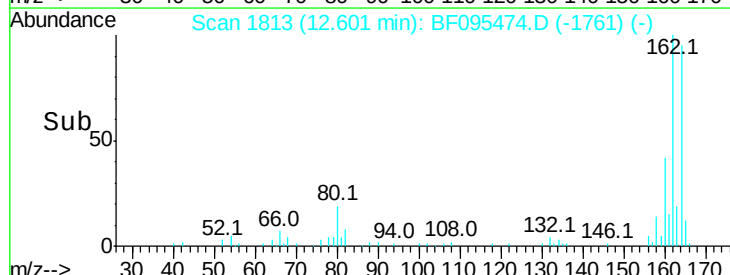
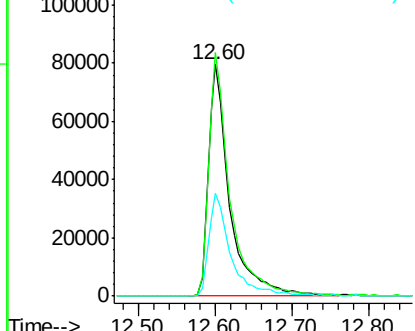


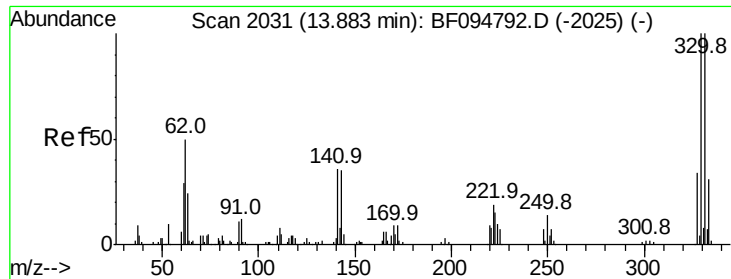
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion:164 Resp: 150570
Ion Ratio Lower Upper
164 100
162 105.2 82.6 123.8
160 44.6 36.2 54.2



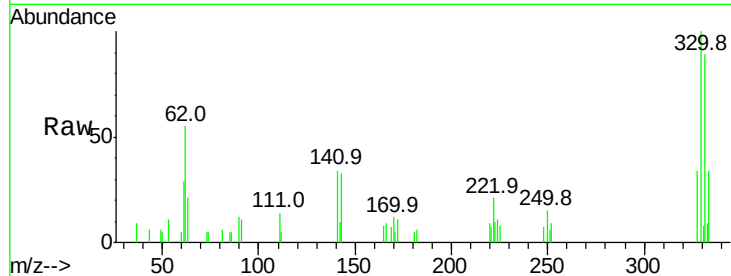
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



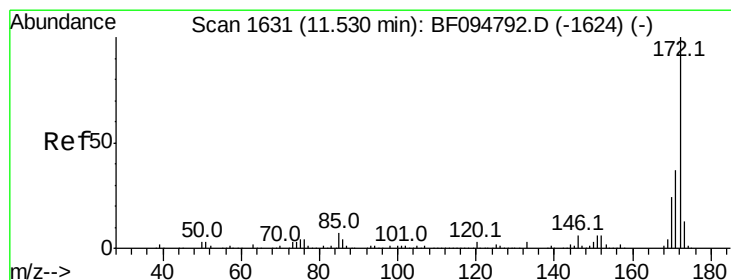
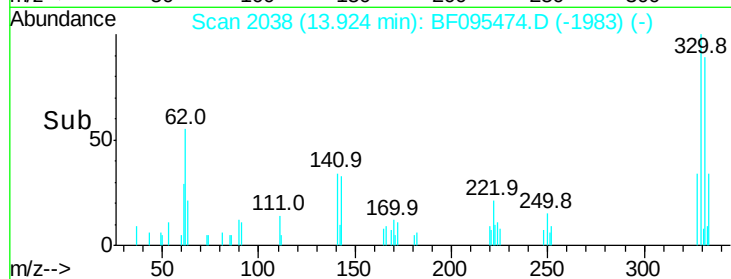
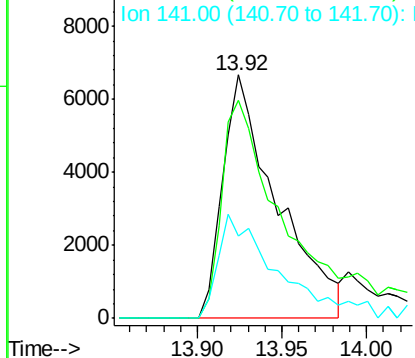


#41
 2,4,6-Tribromophenol
 Concen: 12.12 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tot Ion:330 Resp: 14941
 Ion Ratio Lower Upper
 330 100
 332 115.3 76.6 115.0#
 141 46.7 31.4 47.2

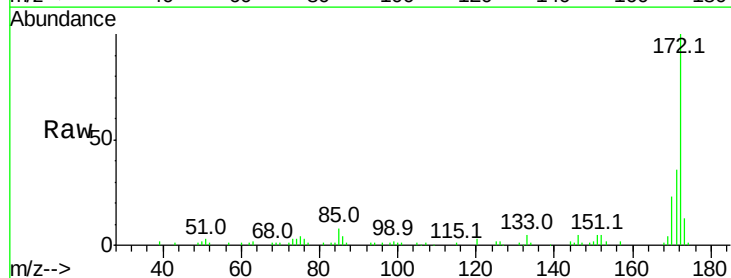


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

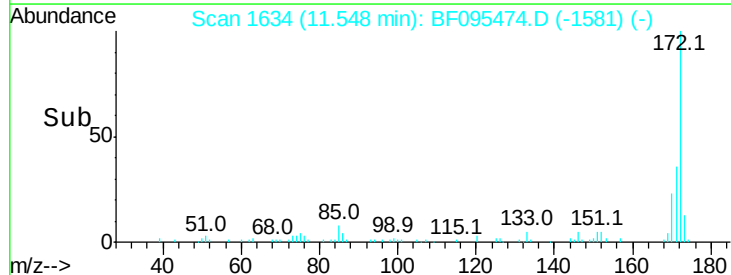
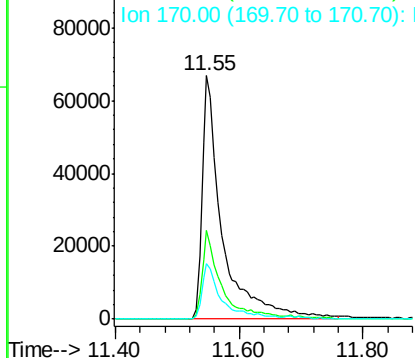


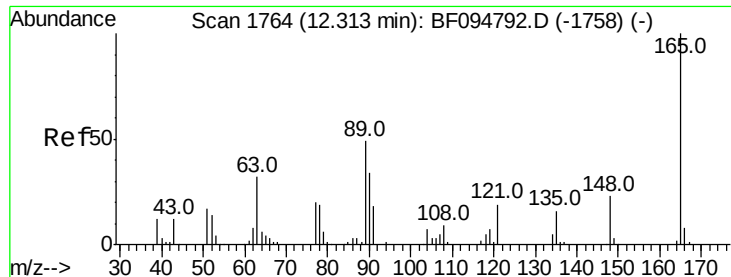
#44
 2-Fluorobiphenyl
 Concen: 14.66 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. 0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tgt Ion:172 Resp: 153400
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 22.8 19.8 29.8



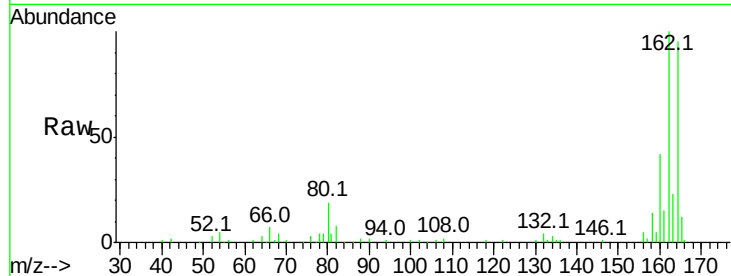
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50
 2,6-Dinitrotoluene
 Concen: 6.13 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. 0.26 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

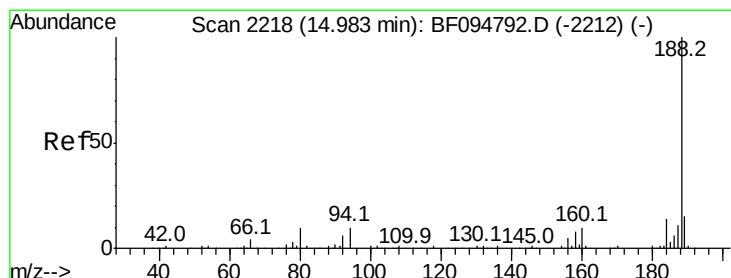
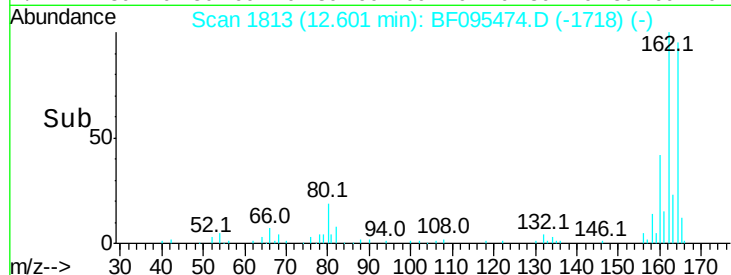
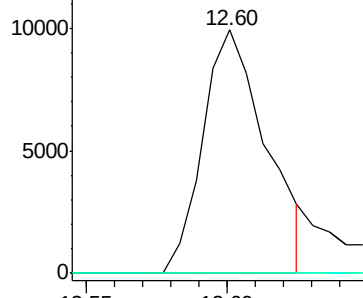
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

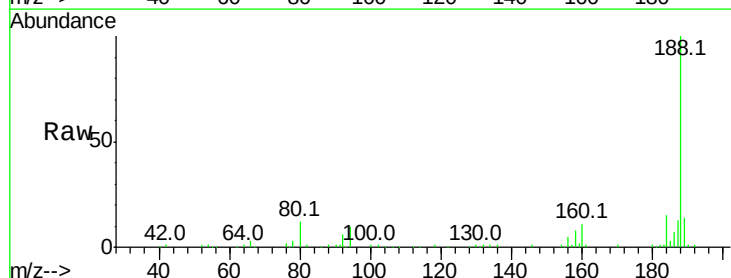
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

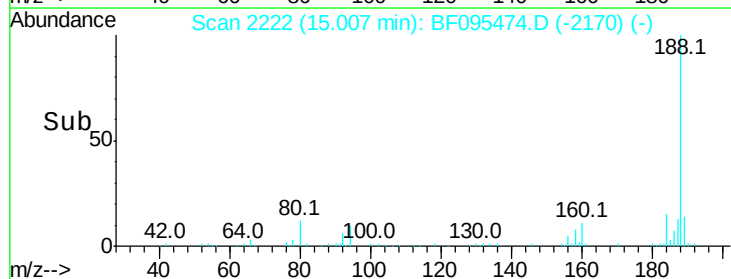
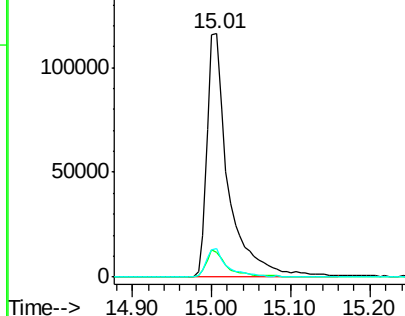
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.8	10.2	15.2

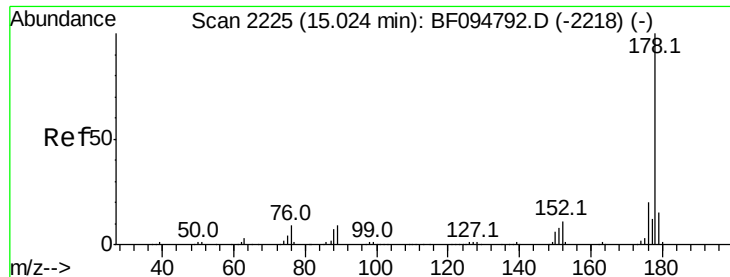


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.69 ng

RT: 15.04 min Scan# 2228

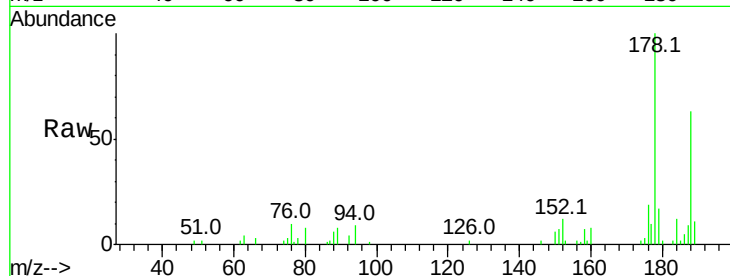
Delta R.T. 0.00 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Tot Ion:178 Resp: 46574

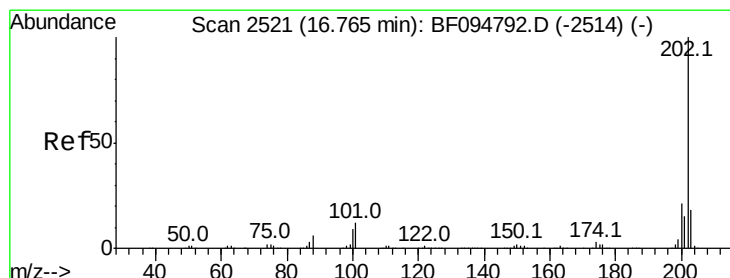
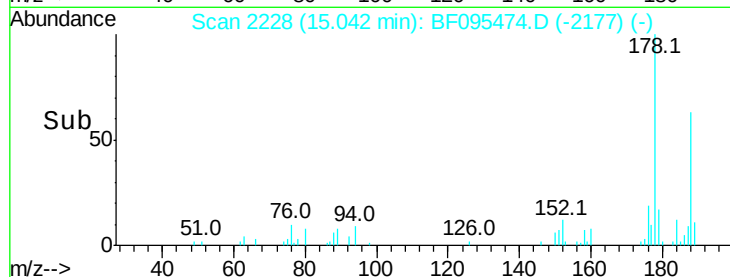
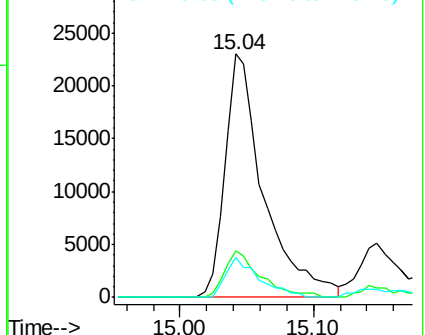
Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.7	12.6	19.0



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



#74

Fluoranthene

Concen: 5.81 ng

RT: 16.79 min Scan# 2525

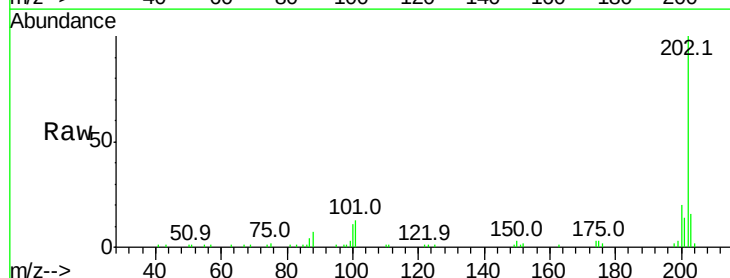
Delta R.T. 0.01 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Tgt Ion:202 Resp: 75235

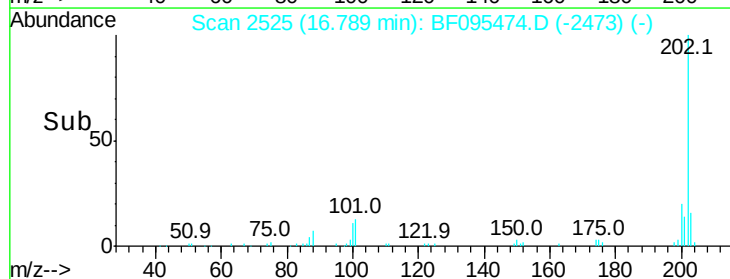
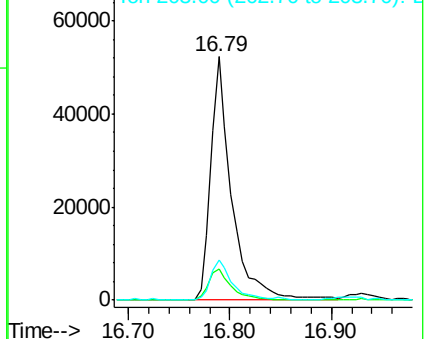
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	16.4	0.0	38.1

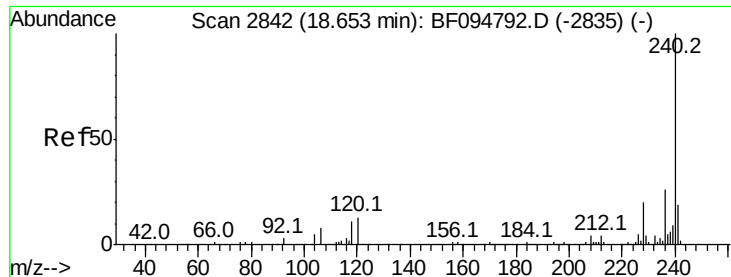


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.68 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

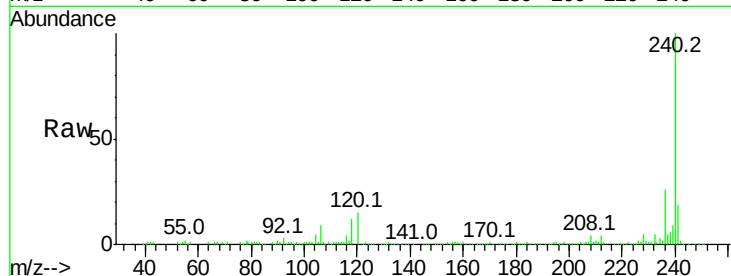
Tot Ion:240 Resp: 194832

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

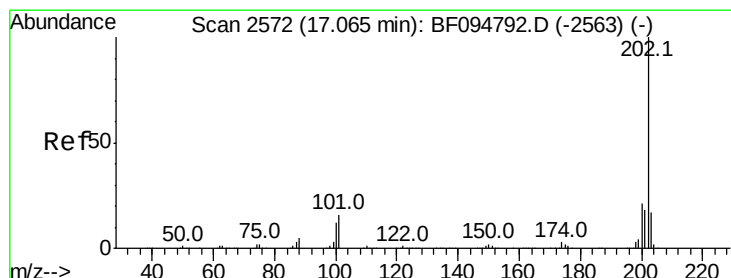
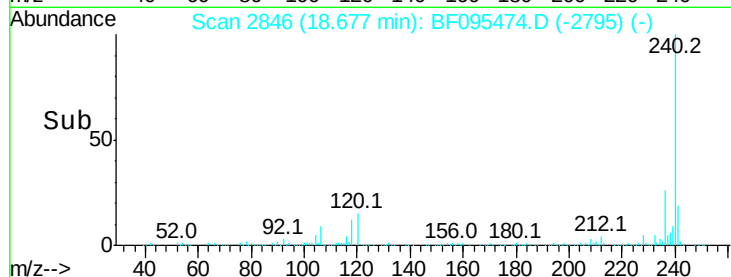
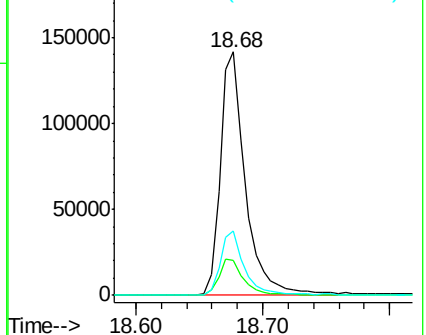
236 26.3 20.5 30.7



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

Pyrene

Concen: 4.87 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

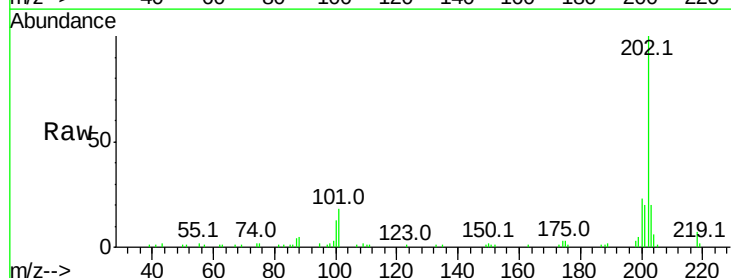
Tgt Ion:202 Resp: 70903

Ion Ratio Lower Upper

202 100

200 22.7 17.6 26.4

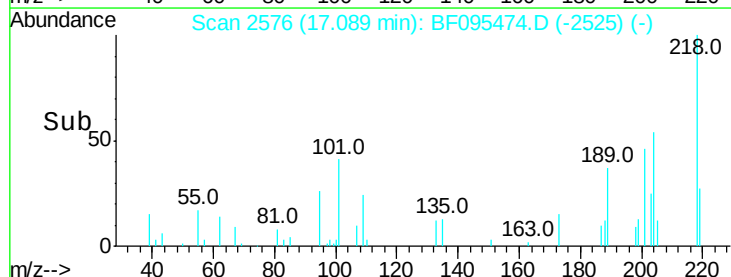
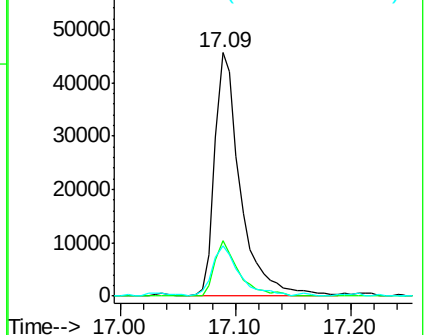
203 20.5 14.4 21.6

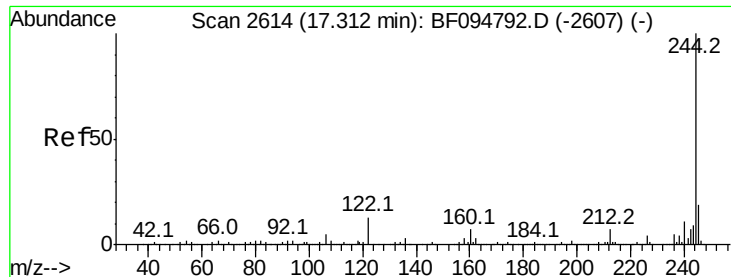


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

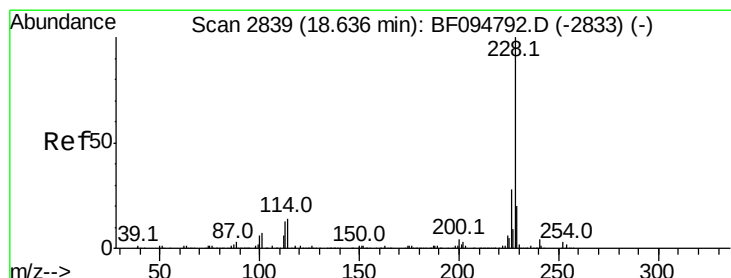
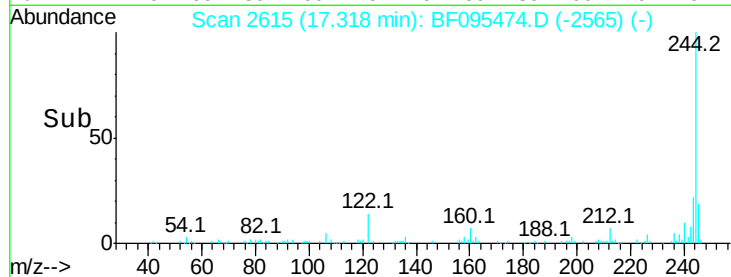
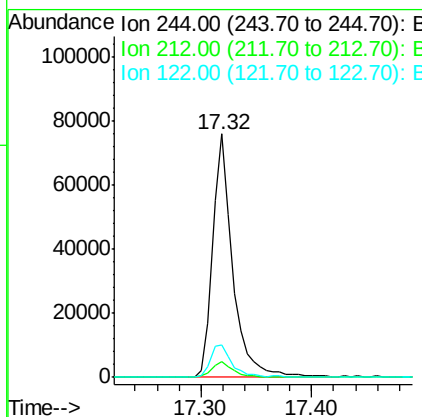
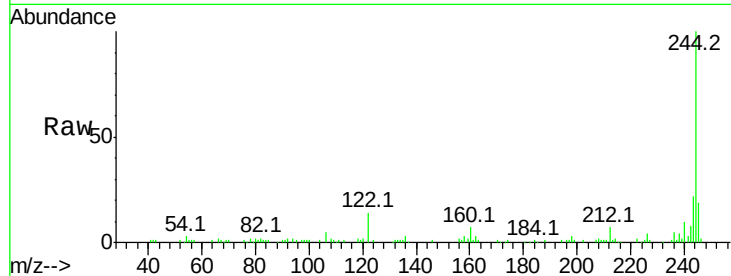
Ion 203.00 (202.70 to 203.70): E





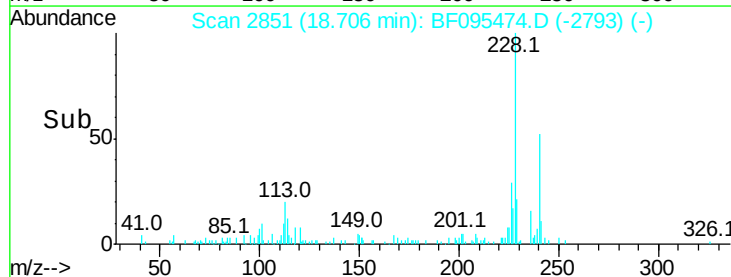
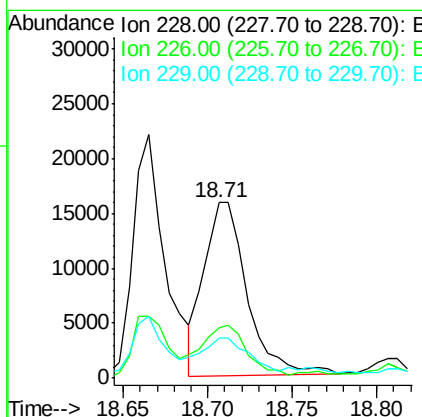
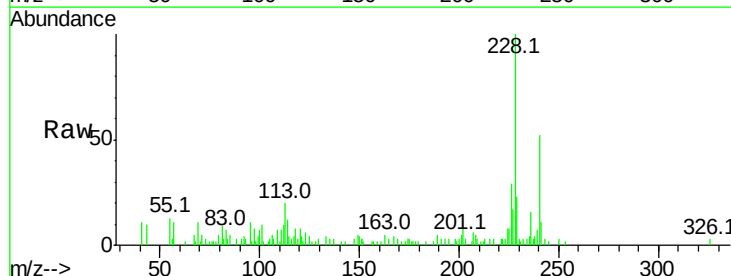
#78
 Terphenyl-d14
 Concen: 10.71 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

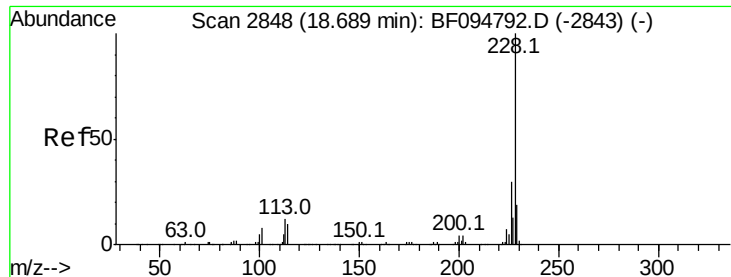
Tot Ion:244 Resp: 94772
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 13.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.48 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. 0.04 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

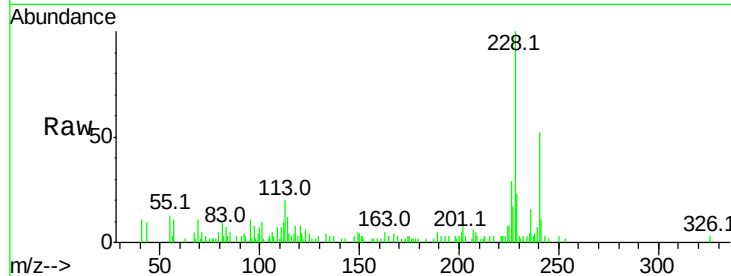
Tgt Ion:228 Resp: 28152
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 22.9 16.3 24.5



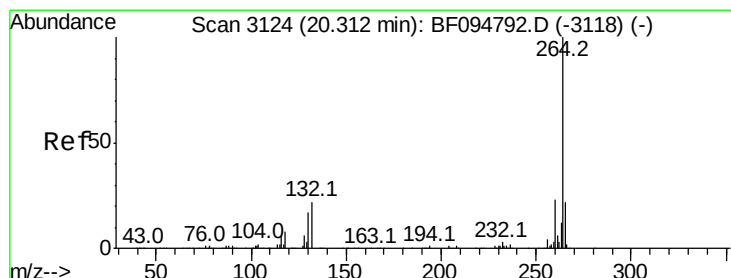
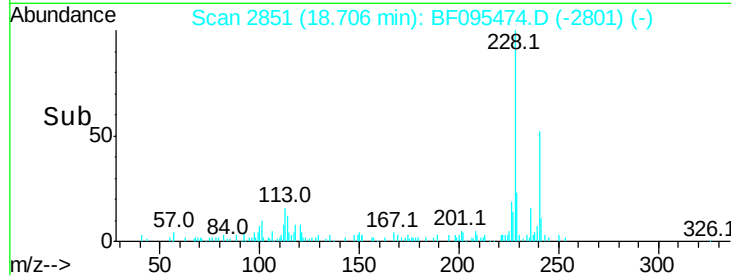
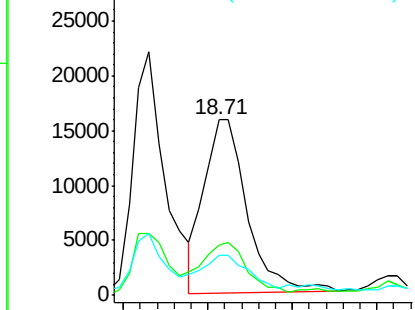


#82
Chrysene
Concen: 2.57 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tot	Ion:228	Resp:	28152
Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.9	15.8	23.6

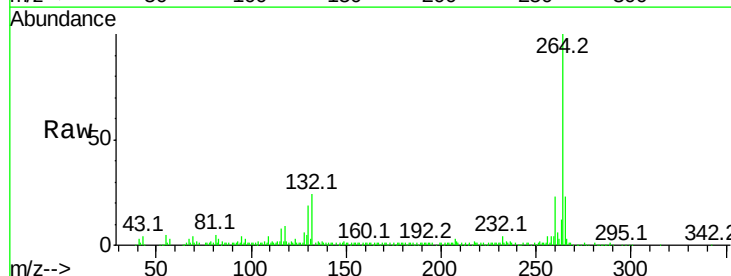


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

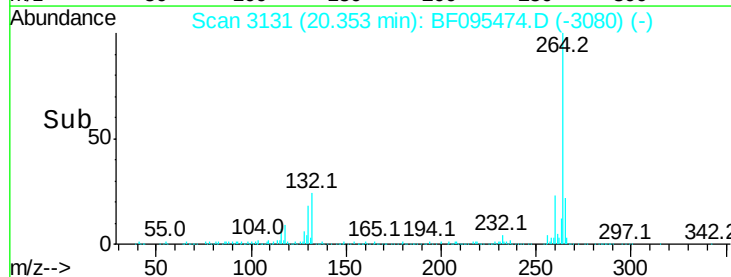
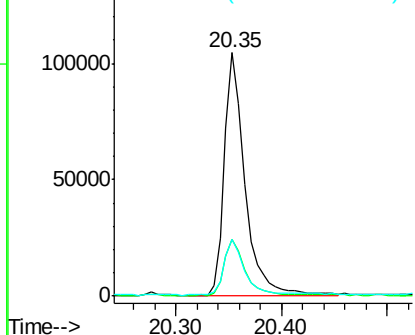


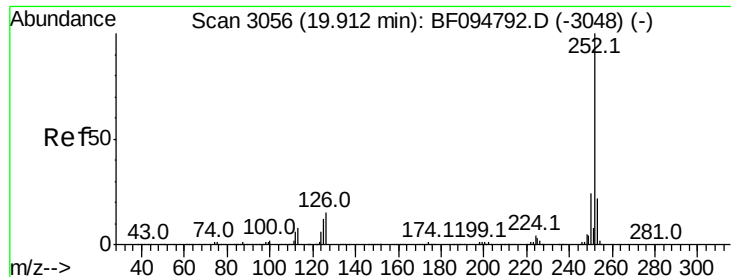
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt	Ion:264	Resp:	144724
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.1	17.2	25.8



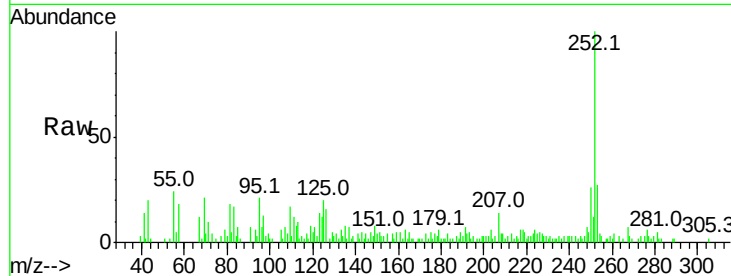
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



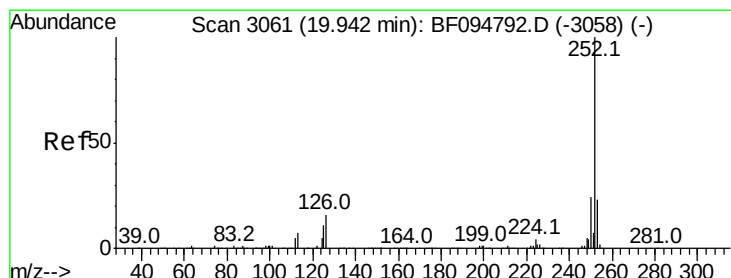
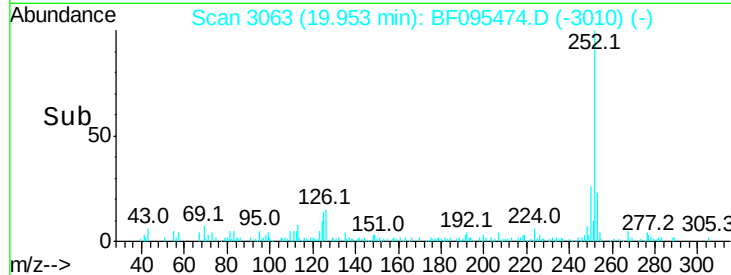
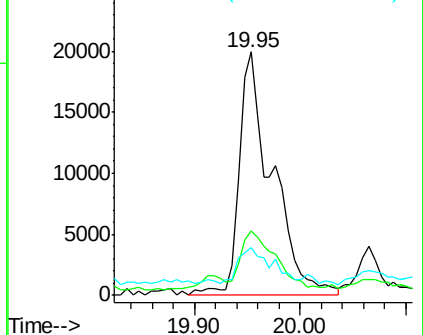


#87
Benzo(b)fluoranthene
Concen: 4.78 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	19.7	9.8	14.8

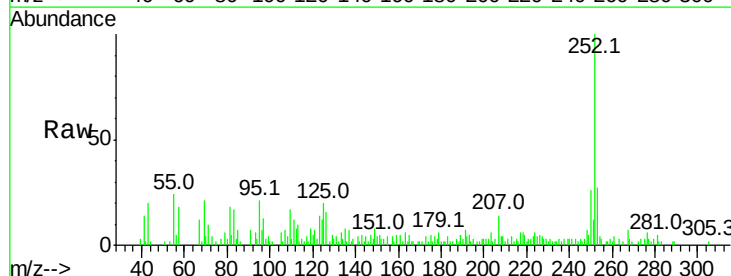


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

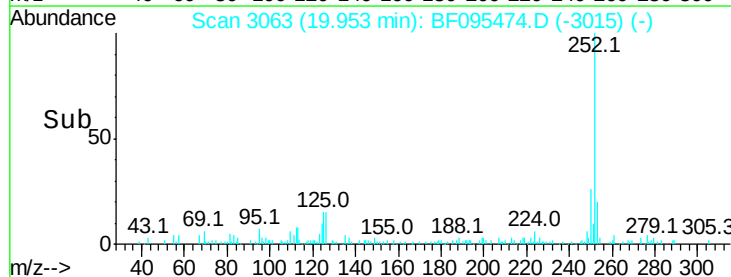
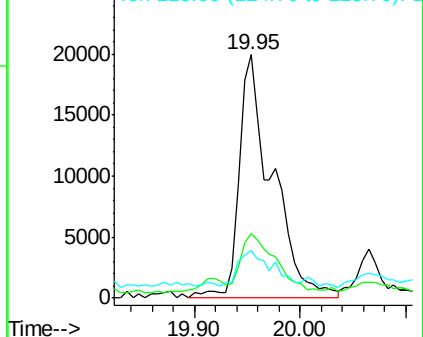


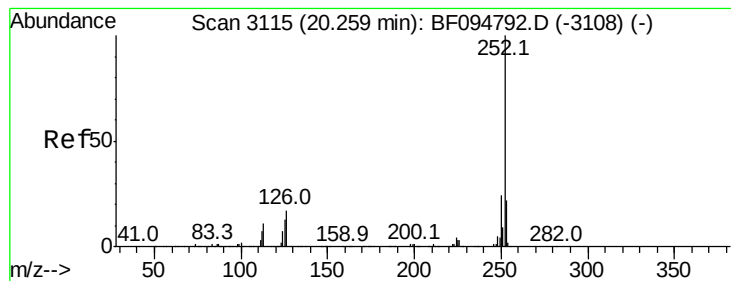
#88
Benzo(k)fluoranthene
Concen: 4.96 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.4	27.6
125	19.7	13.1	19.7



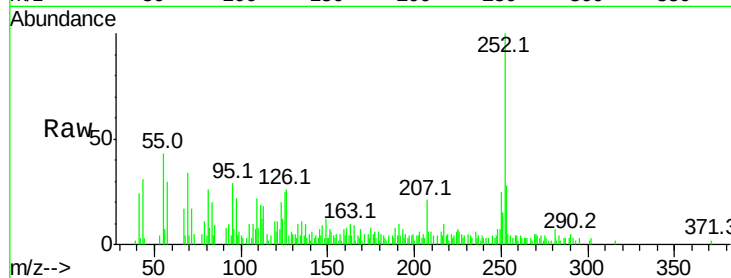
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.34 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tot Ion:	252	Resp:	19271
Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.5	26.3#
125	24.6	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

