

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095473.D
 Acq On : 26 May 2017 21:47
 Operator : SJ/MA
 Sample : I3244-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

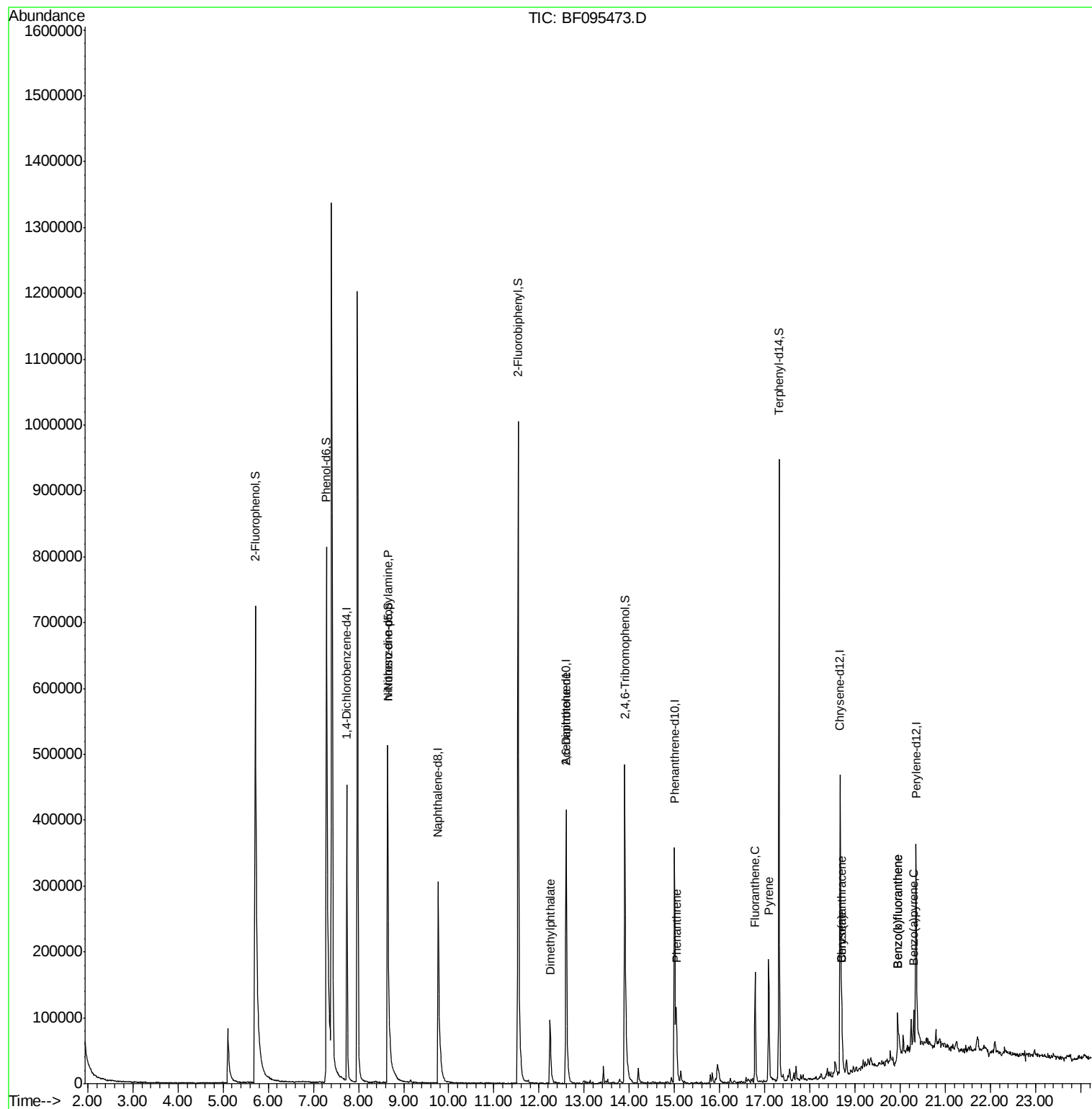
Quant Time: May 27 03:11:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

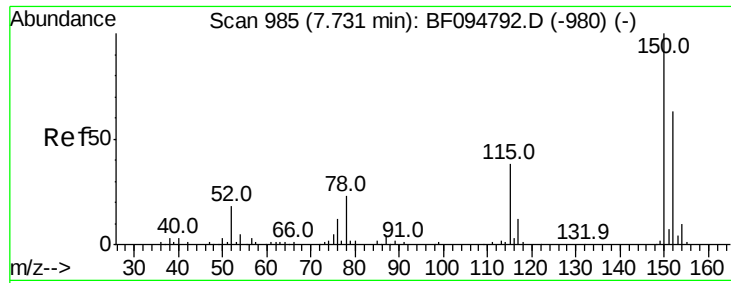
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	100427	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	369121	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	159749	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	247562	20.00	ng	0.00
75) Chrysene-d12	18.68	240	203623	20.00	ng	0.00
86) Perylene-d12	20.35	264	153509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	645120	107.10	ng	0.00
7) Phenol-d6	7.29	99	772675	106.91	ng	0.00
23) Nitrobenzene-d5	8.65	82	414253	70.77	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	117123	89.52	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	659038	59.38	ng	0.00
78) Terphenyl-d14	17.32	244	381389	41.25	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	47264	9.67	ng	# 77
49) Dimethylphthalate	12.24	163	97936	7.47	ng	97
50) 2,6-Dinitrotoluene	12.60	165	18471	6.90	ng	# 31
70) Phenanthrene	15.04	178	73740	5.18	ng	97
74) Fluoranthene	16.79	202	111233	7.62	ng	97
77) Pyrene	17.09	202	102452	6.73	ng	# 95
80) Benzo(a)anthracene	18.71	228	48283	4.07	ng	97
82) Chrysene	18.71	228	48283	4.21	ng	99
87) Benzo(b)fluoranthene	19.95	252	55408	5.84	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	55408	6.06	ng	99
89) Benzo(a)pyrene	20.30	252	28689	3.28	ng	# 92

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

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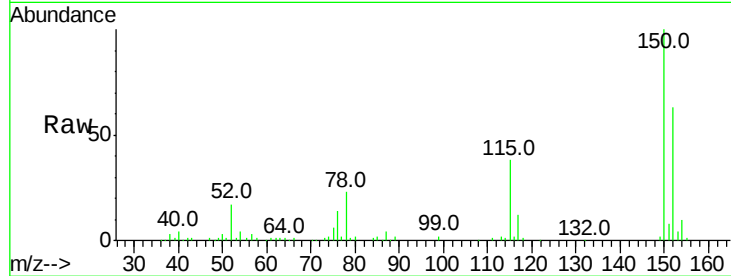




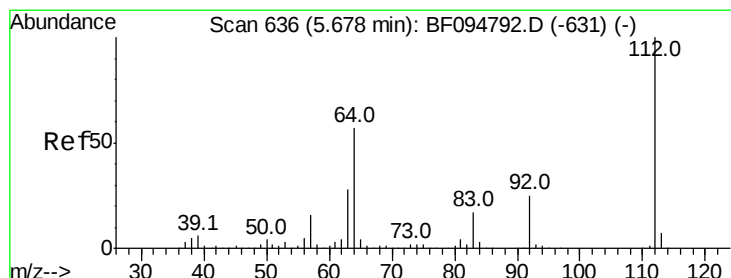
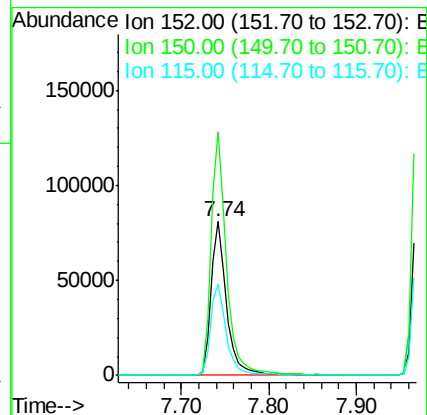
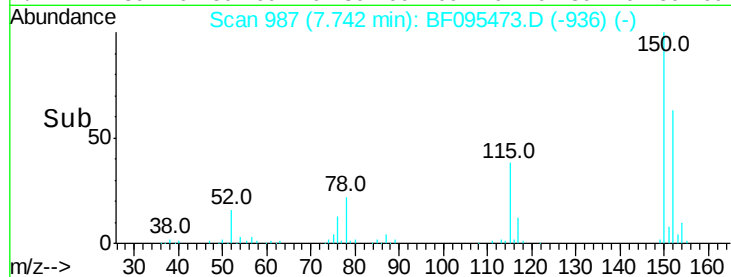
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	59.8	52.2	78.2



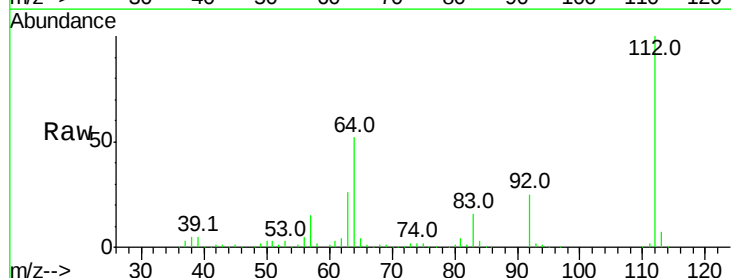
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



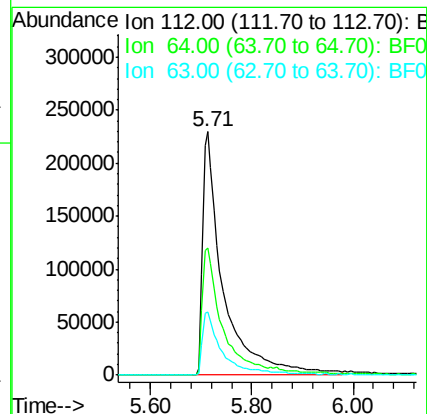
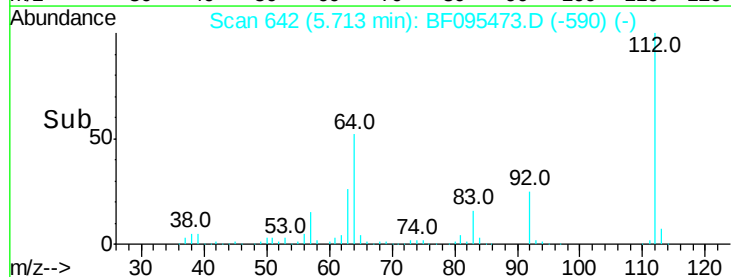
#5

2-Fluorophenol
Concen: 107.10 ng
RT: 5.71 min Scan# 642
Delta R.T. 0.01 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	46.0	69.0
63	26.0	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: 106.91 ng

RT: 7.29 min Scan# 910

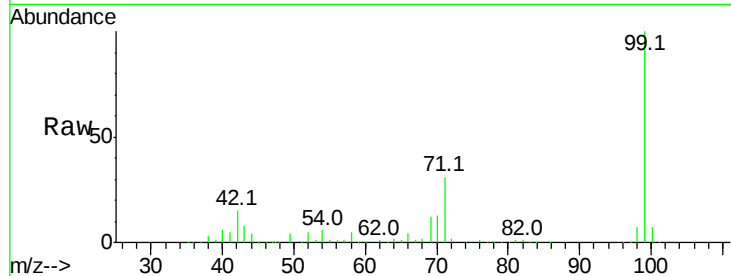
Delta R.T. -0.01 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

Tot Ion: 99 Resp: 772675

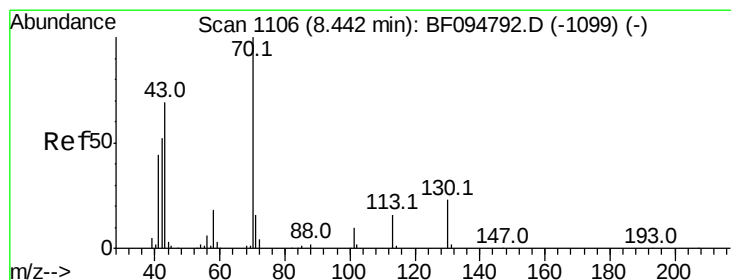
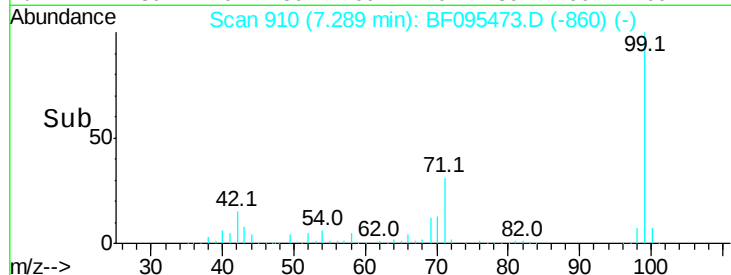
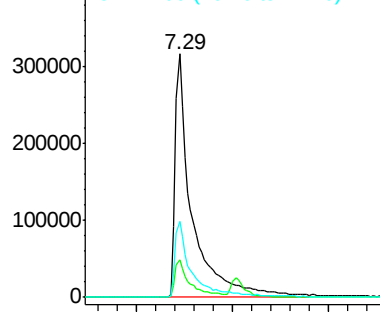
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	31.4	24.5	36.7



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: 9.67 ng

RT: 8.65 min Scan# 1141

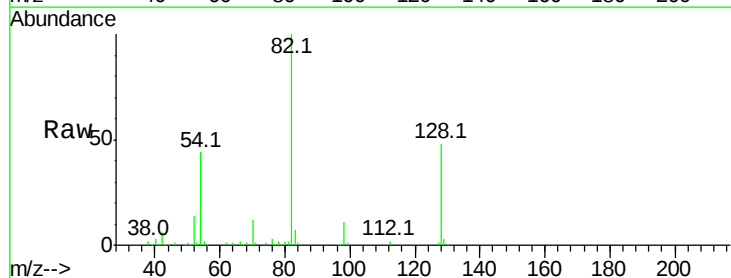
Delta R.T. 0.19 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

Tgt Ion: 70 Resp: 47264

Ion	Ratio	Lower	Upper
70	100		
42	46.3	47.2	70.8#
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#

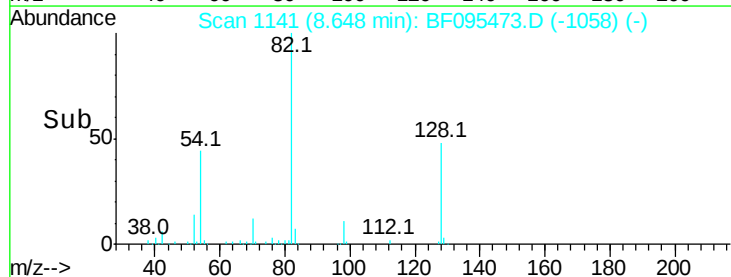
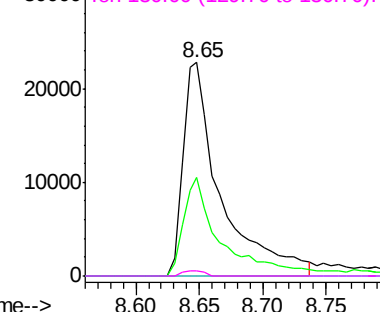


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095473.D

Acq: 26 May 2017 21:47

Tot Ion:136 Resp: 369121

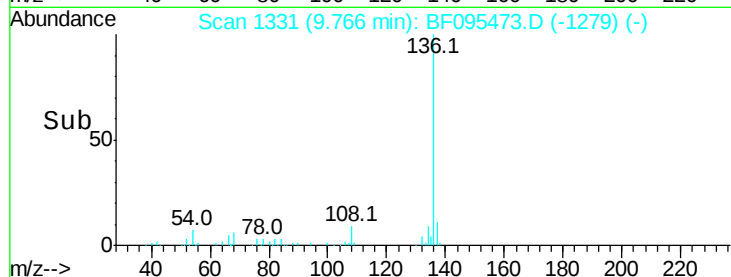
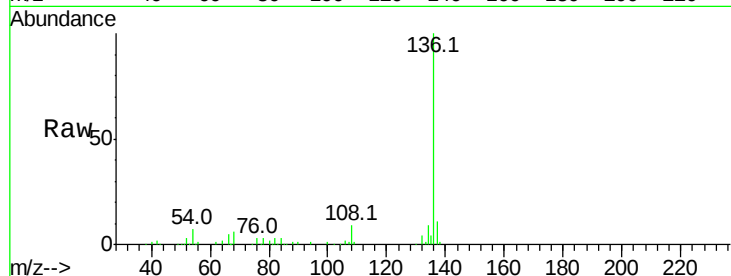
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.7 4.9 7.3

68 5.8 4.1 6.1

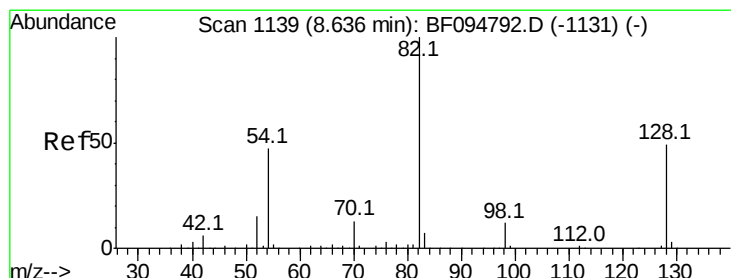
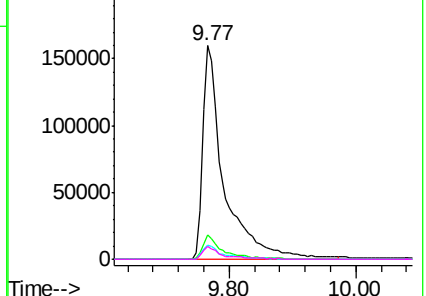


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.77 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

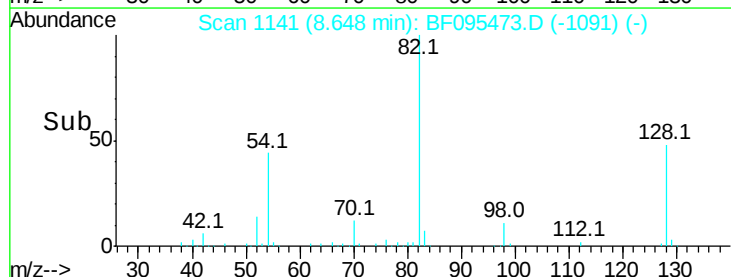
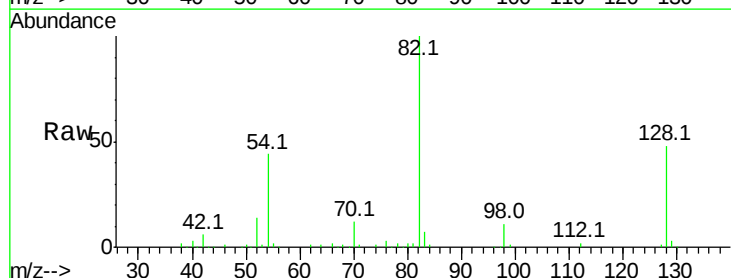
Tgt Ion: 82 Resp: 414253

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

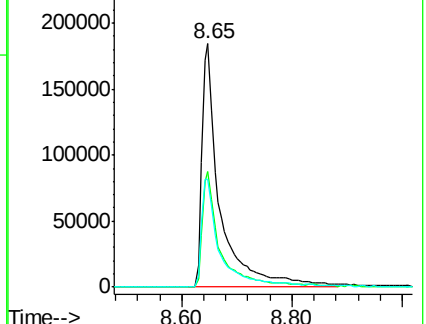
54 44.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

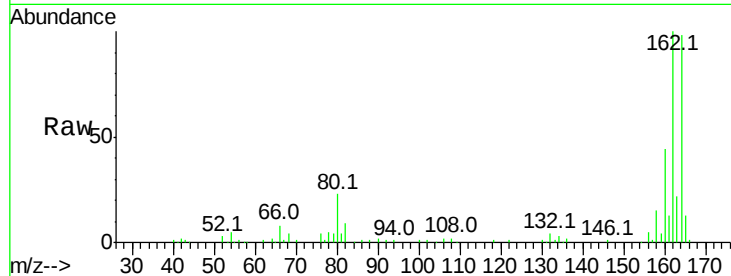
Ion 54.00 (53.70 to 54.70): BF0



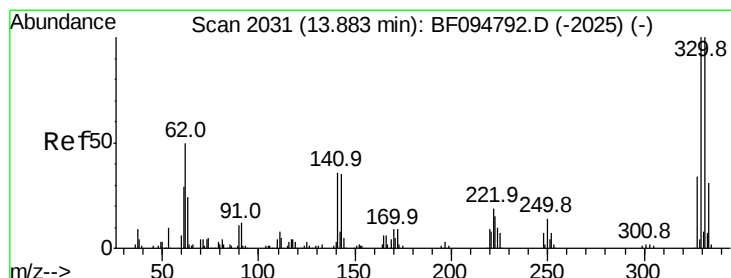
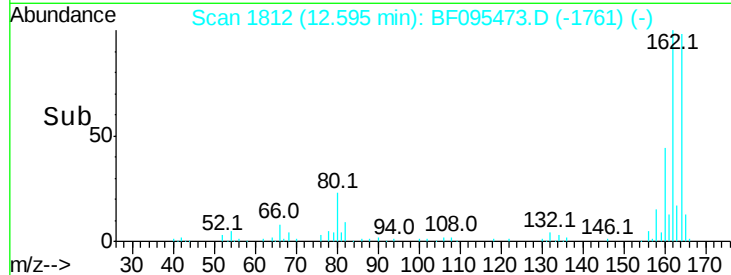
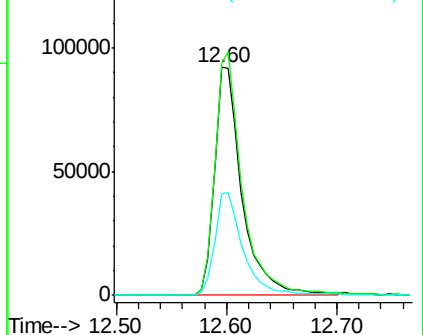


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	44.4	36.2	54.2

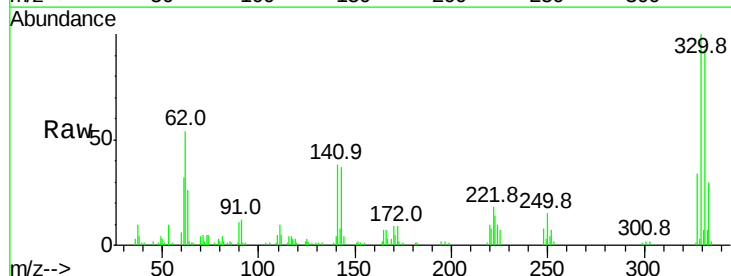


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

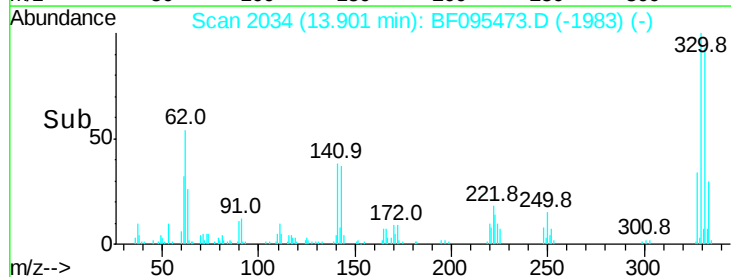
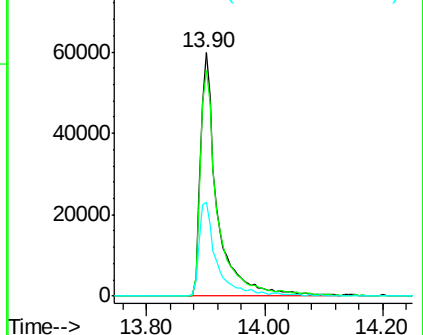


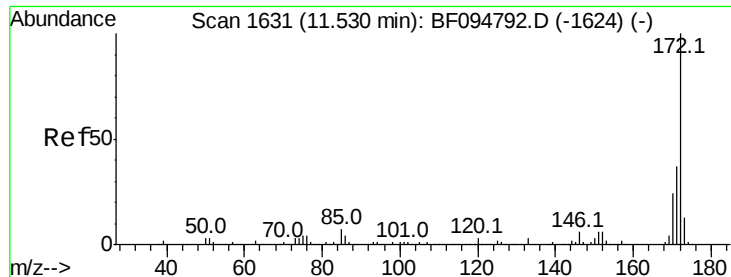
#41
2,4,6-Tribromophenol
Concen: 89.52 ng
RT: 13.90 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	39.1	31.4	47.2



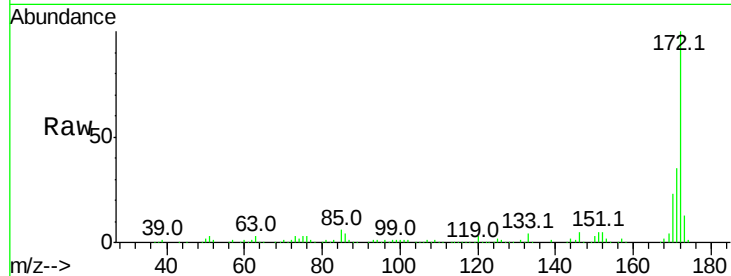
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



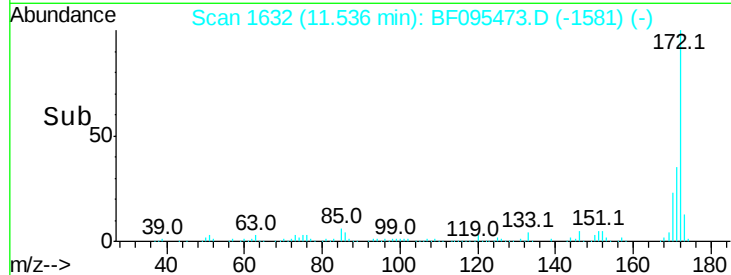
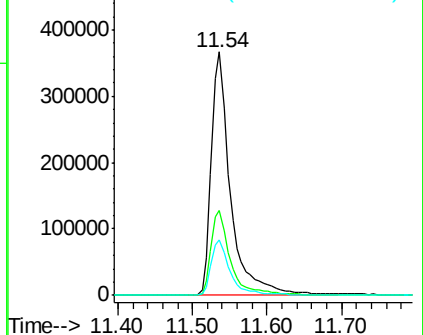


#44
2-Fluorobiphenyl
Concen: 59.38 ng
RT: 11.54 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	22.6	19.8	29.8

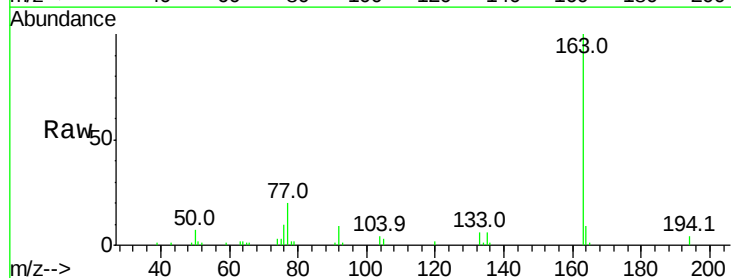


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

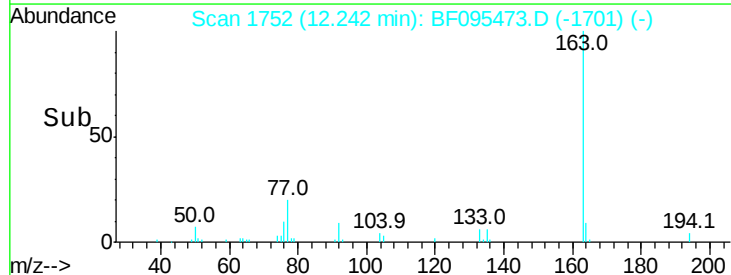
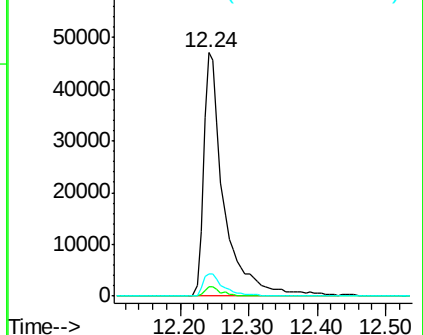


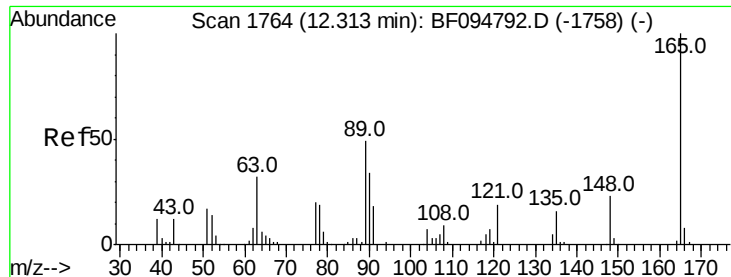
#49
Dimethylphthalate
Concen: 7.47 ng
RT: 12.24 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.1	8.4	12.6



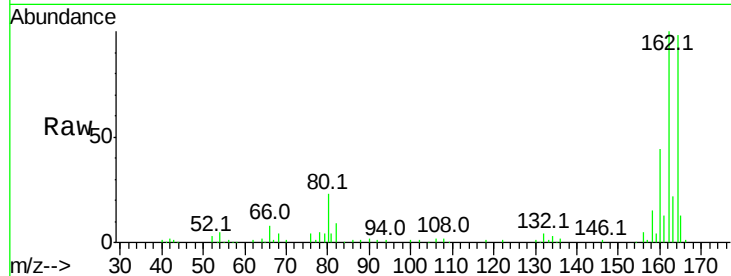
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50
 2,6-Dinitrotoluene
 Concen: 6.90 ng
 RT: 12.60 min Scan# 1812
 Delta R.T. 0.25 min
 Lab File: BF095473.D
 Acq: 26 May 2017 21:47

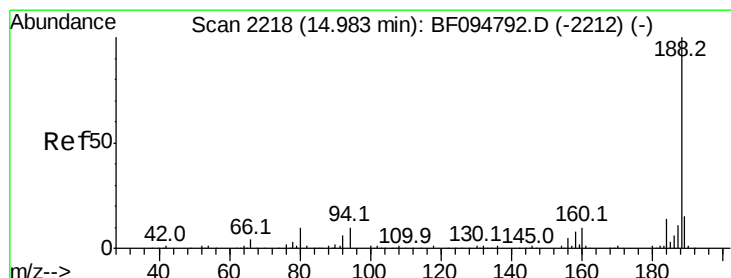
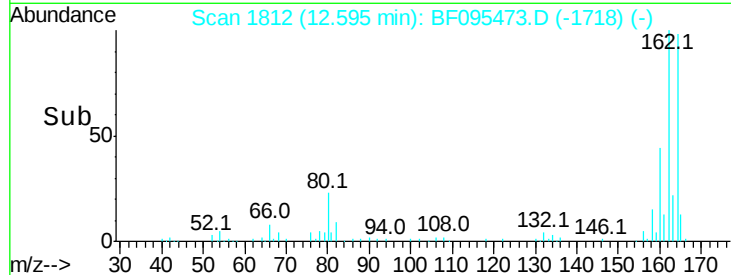
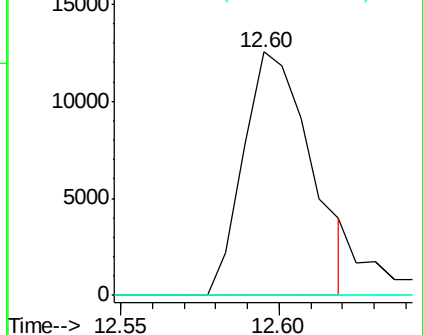
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

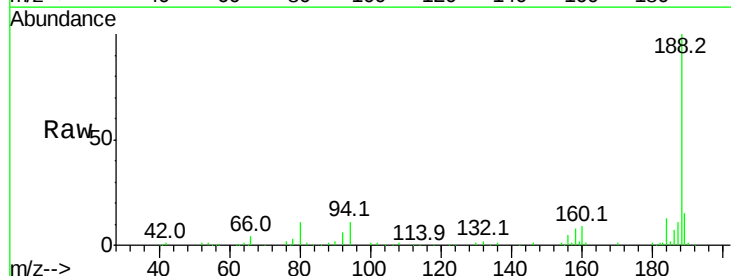
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095473.D
 Acq: 26 May 2017 21:47

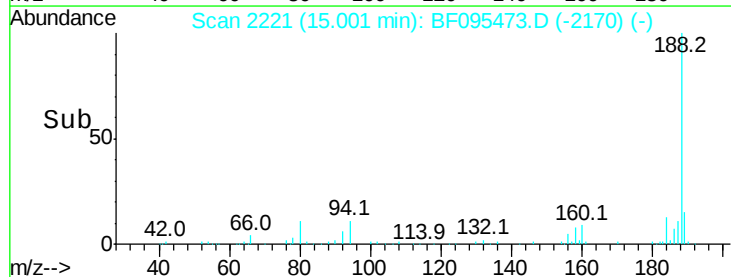
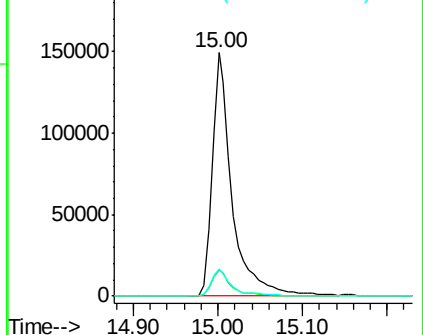
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.4	10.2	15.2

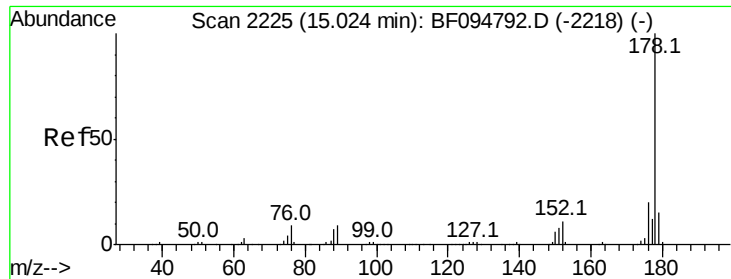


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

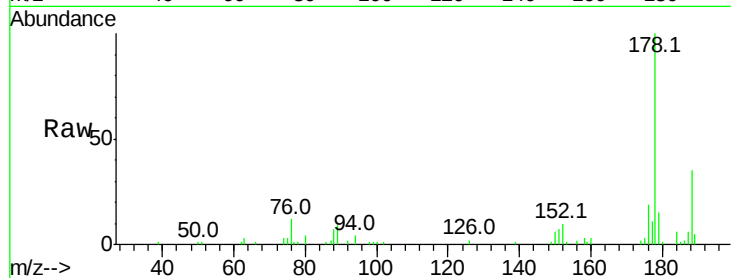
Ion 80.00 (79.70 to 80.70): BF0



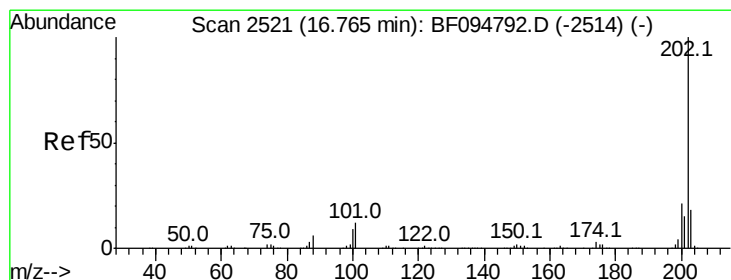
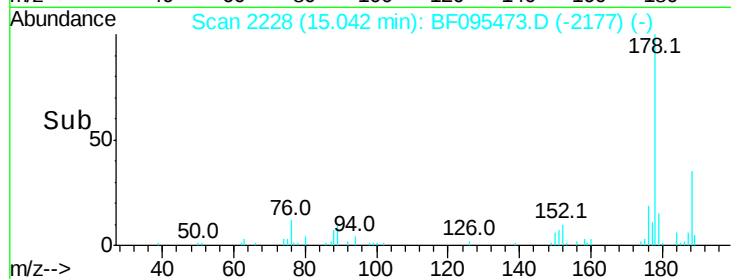
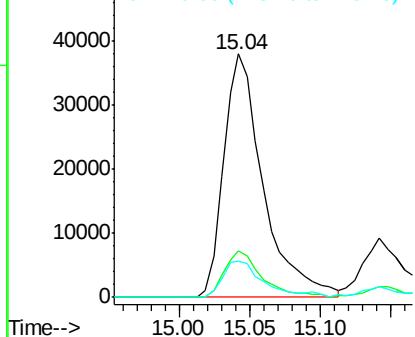


#70
Phenanthrene
Concen: 5.18 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tot Ion:178 Resp: 73740
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 14.6 12.6 19.0

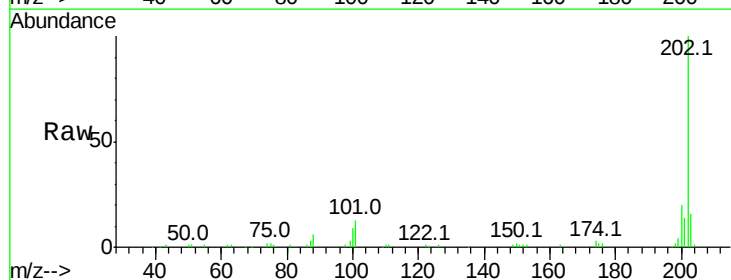


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

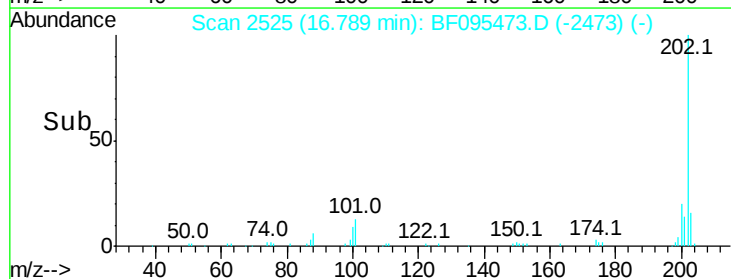
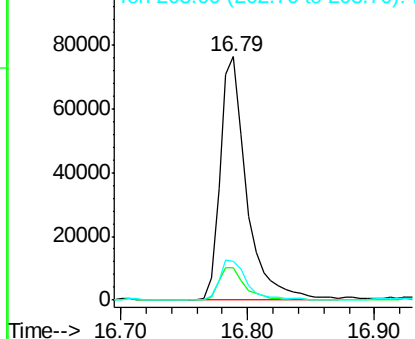


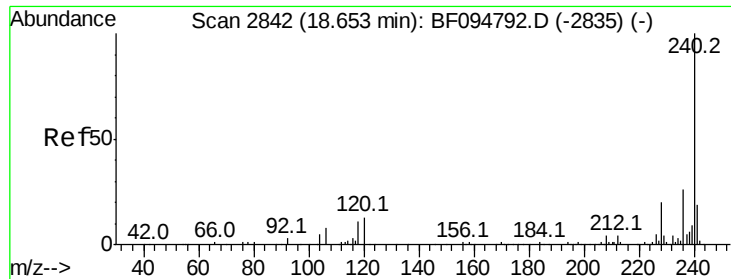
#74
Fluoranthene
Concen: 7.62 ng
RT: 16.79 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tgt Ion:202 Resp: 111233
Ion Ratio Lower Upper
202 100
101 13.2 0.0 33.2
203 15.8 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: BF095473.D

Acq: 26 May 2017 21:47

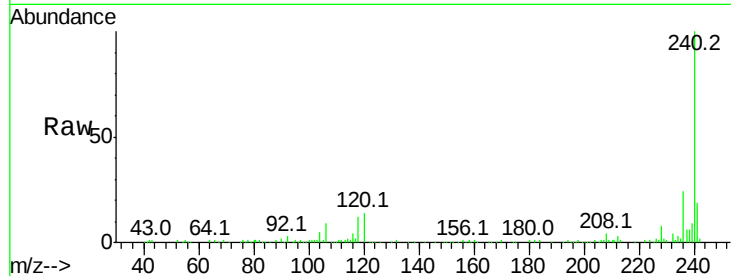
Tot Ion:240 Resp: 203623

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

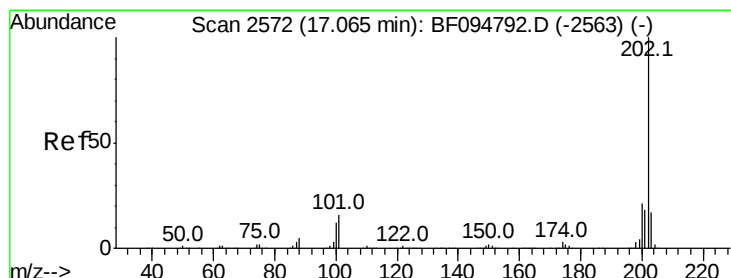
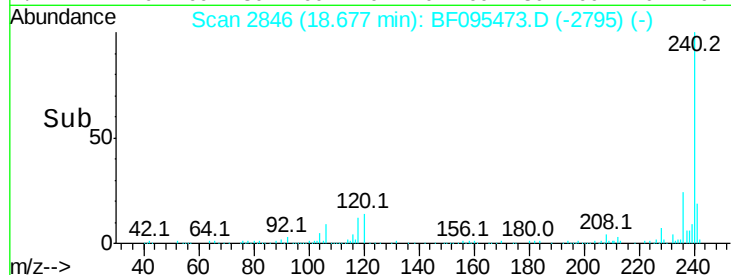
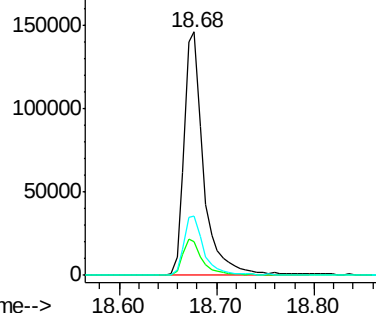
236 24.3 20.5 30.7



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: 6.73 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

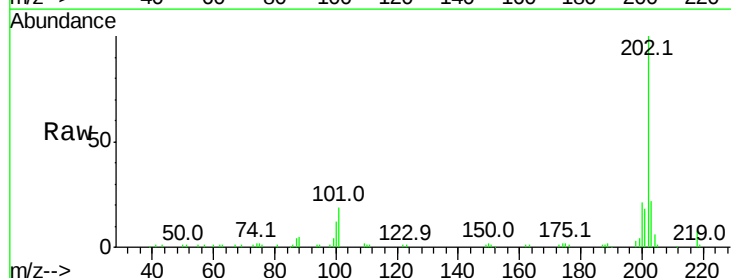
Tgt Ion:202 Resp: 102452

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

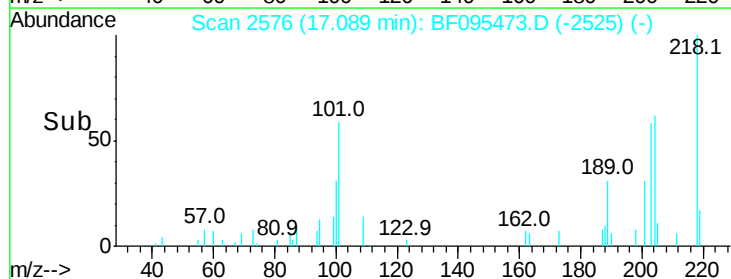
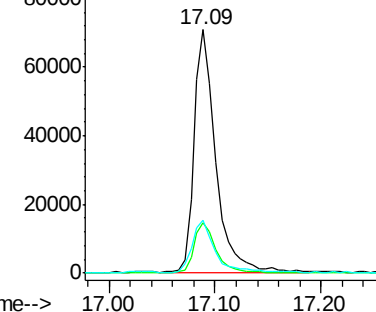
203 21.6 14.4 21.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

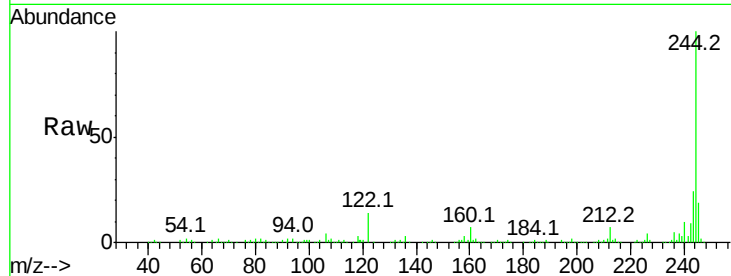
Ion 203.00 (202.70 to 203.70): E



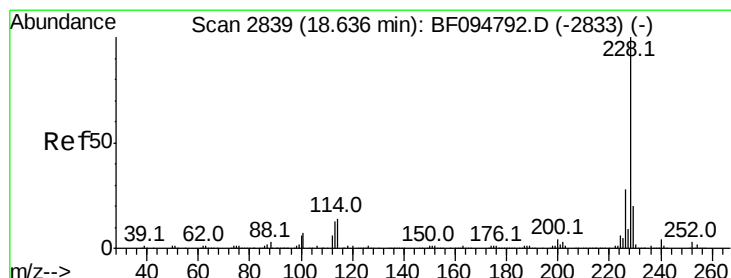
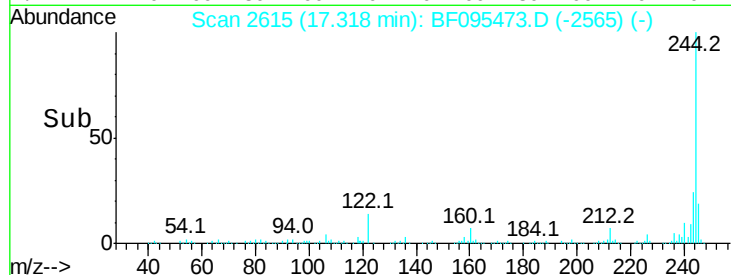
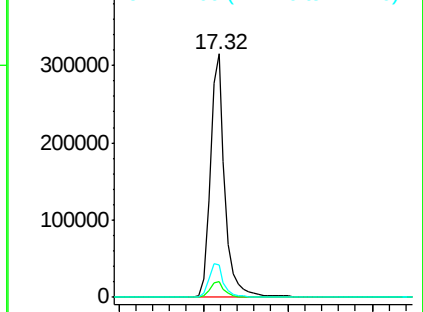


#78
 Terphenyl-d14
 Concen: 41.25 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF095473.D
 Acq: 26 May 2017 21:47

Tot Ion:244 Resp: 381389
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.5 10.3 15.5

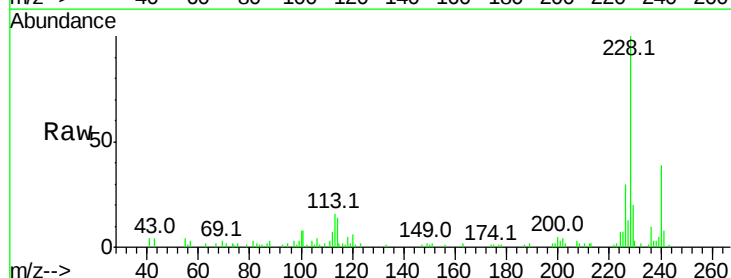


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

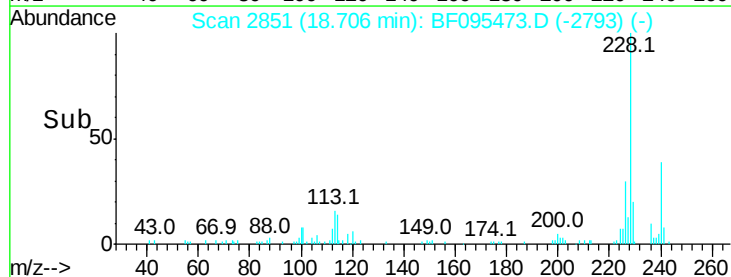
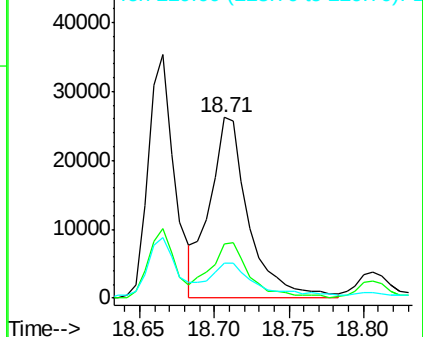


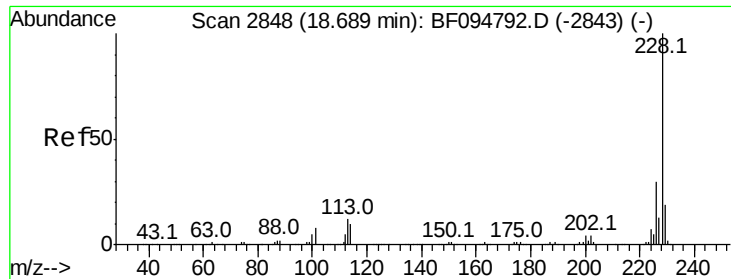
#80
 Benzo(a)anthracene
 Concen: 4.07 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. 0.04 min
 Lab File: BF095473.D
 Acq: 26 May 2017 21:47

Tgt Ion:228 Resp: 48283
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 19.6 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

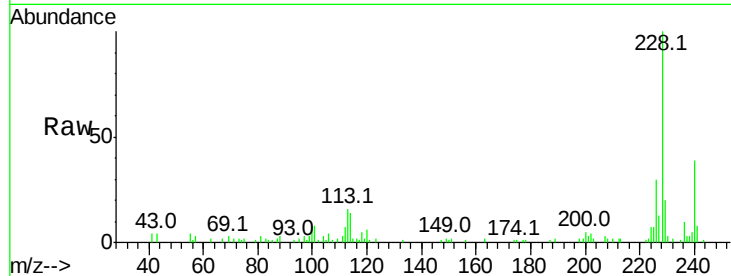




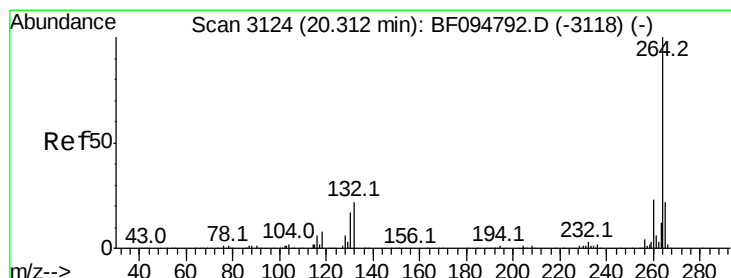
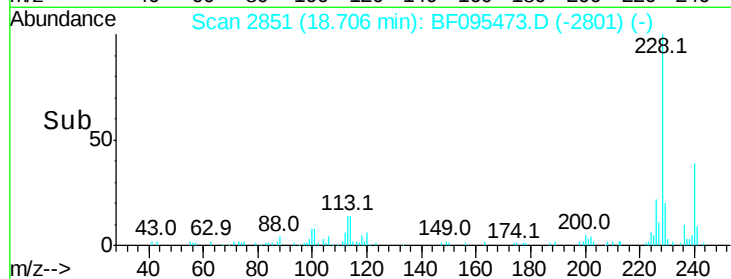
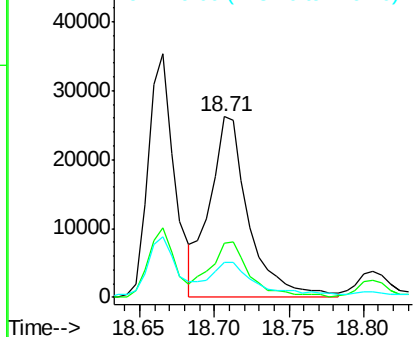
#82
Chrysene
Concen: 4.21 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

Tot Ion:228 Resp: 48283

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	19.6	15.8	23.6



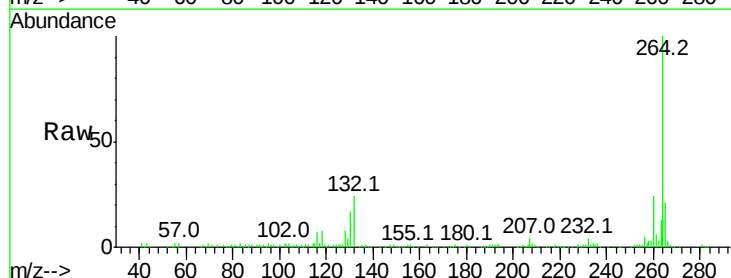
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



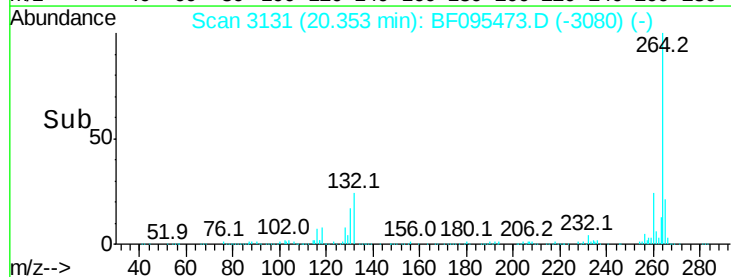
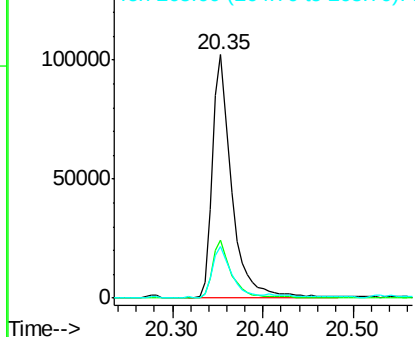
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095473.D
Acq: 26 May 2017 21:47

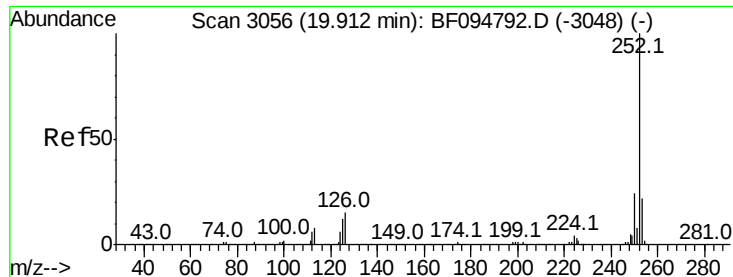
Tgt Ion:264 Resp: 153509

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.3	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: 5.84 ng

RT: 19.95 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

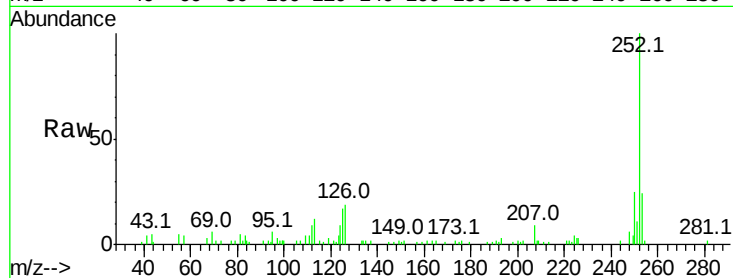
Tot Ion:252 Resp: 55408

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

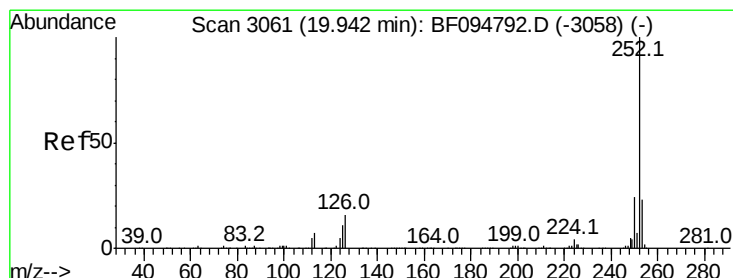
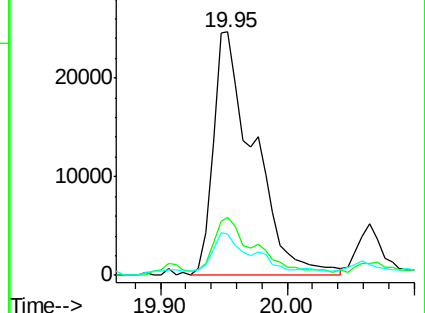
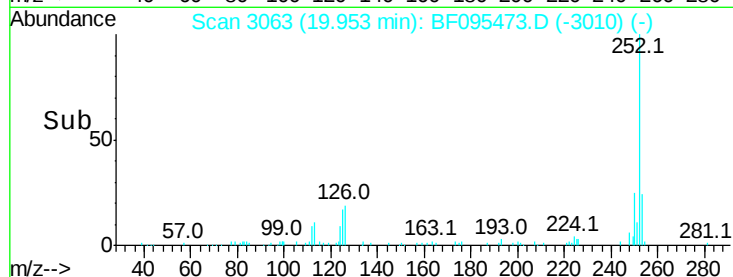
125 16.7 9.8 14.8#



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: 6.06 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.02 min

Lab File: BF095473.D

Acq: 26 May 2017 21:47

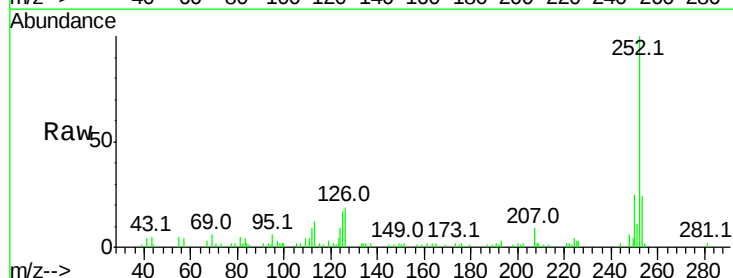
Tgt Ion:252 Resp: 55408

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

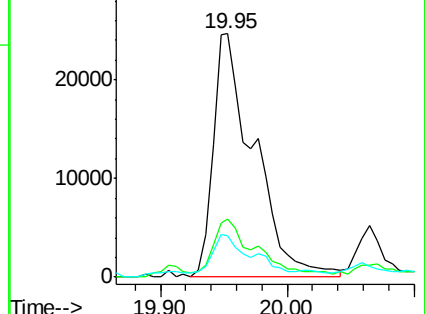
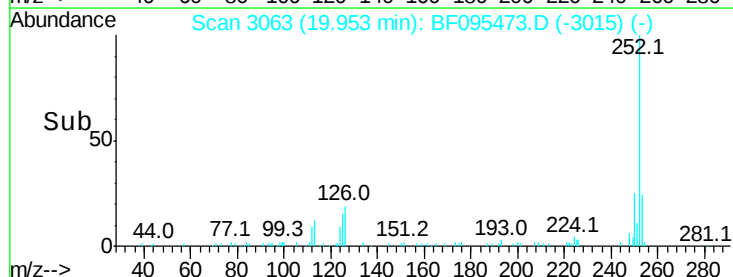
125 16.7 13.1 19.7

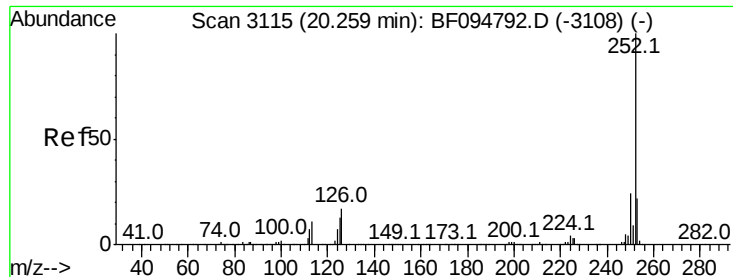


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

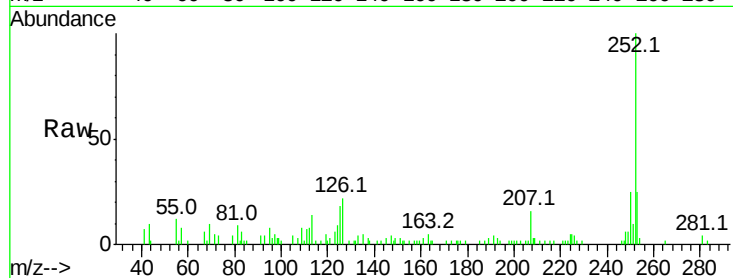
Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 3.28 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: BF095473.D
 Acq: 26 May 2017 21:47

Tot Ion:252	Resp:	28689
Ion Ratio	Lower	Upper
252	100	
253	24.9	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

