

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095539.D
 Acq On : 30 May 2017 17:12
 Operator : SJ/MA
 Sample : I3281-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:40:45 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

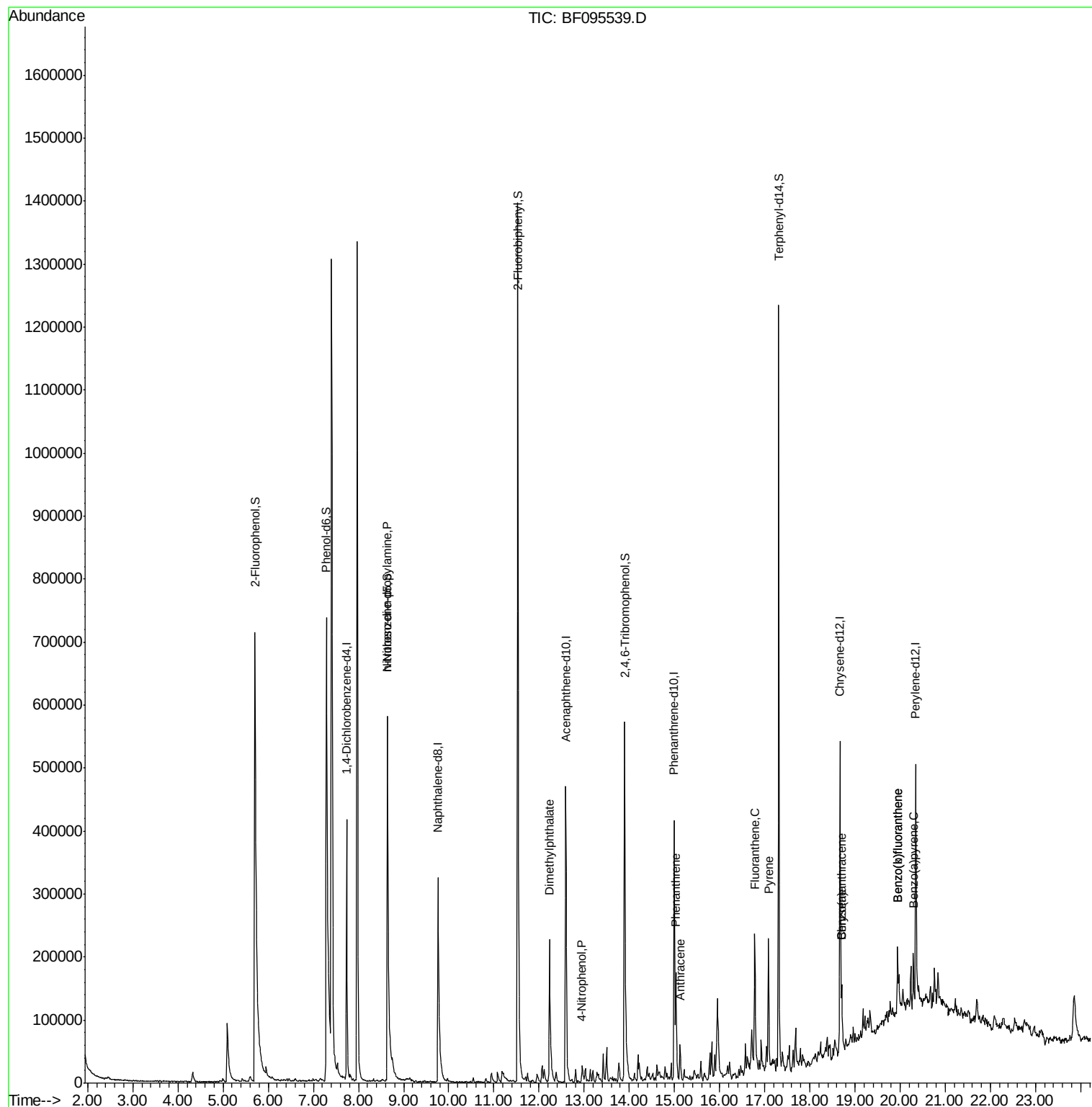
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	93693	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	367692	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	160698	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	237195	20.00	ng	0.00
75) Chrysene-d12	18.67	240	203518	20.00	ng	0.00
86) Perylene-d12	20.35	264	179209	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	652142	116.04	ng	0.00
7) Phenol-d6	7.29	99	801188	118.82	ng	0.00
23) Nitrobenzene-d5	8.64	82	456863	78.35	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	123523	93.86	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	821811	73.61	ng	0.00
78) Terphenyl-d14	17.31	244	446281	48.30	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	51626	11.32	ng	# 75
49) Dimethylphthalate	12.23	163	189598	14.37	ng	99
55) 4-Nitrophenol	12.95	139	5049	2.91	ng	# 25
70) Phenanthrene	15.04	178	106680	7.83	ng	97
71) Anthracene	15.12	178	37960	2.73	ng	98
74) Fluoranthene	16.78	202	105896	7.57	ng	97
77) Pyrene	17.08	202	91340	6.00	ng	98
80) Benzo(a)anthracene	18.71	228	50139	4.23	ng	97
82) Chrysene	18.71	228	50139	4.38	ng	96
87) Benzo(b)fluoranthene	19.95	252	76547	6.91	ng	# 97
88) Benzo(k)fluoranthene	19.95	252	76547	7.17	ng	99
89) Benzo(a)pyrene	20.29	252	34682	3.39	ng	# 94

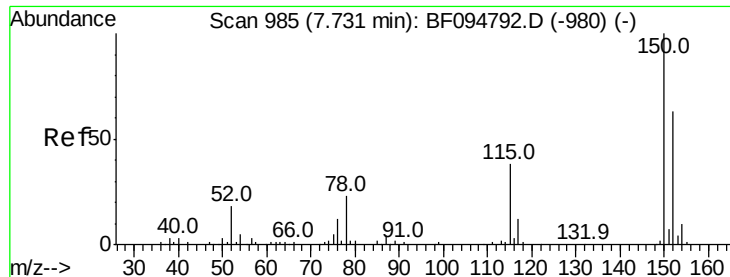
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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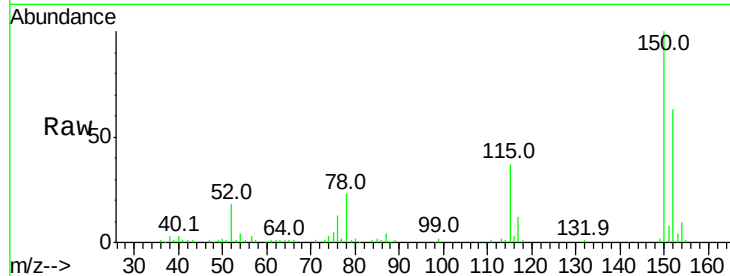


#1

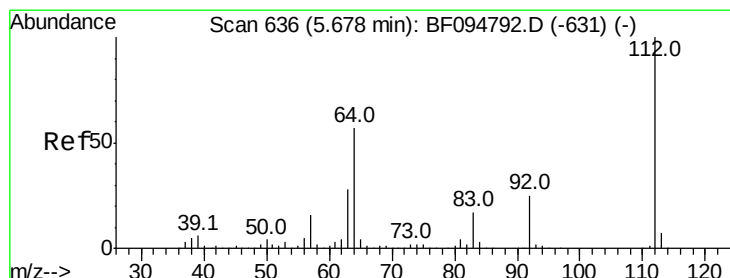
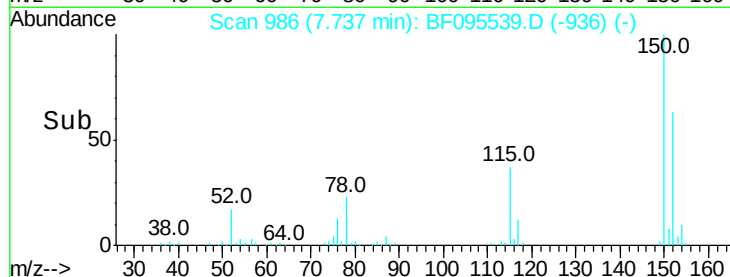
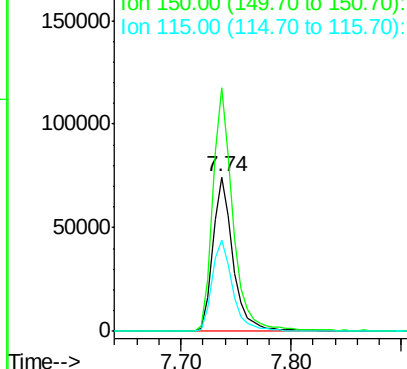
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93693
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 58.8 52.2 78.2



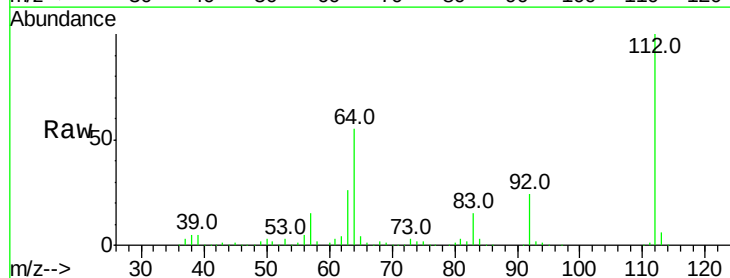
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



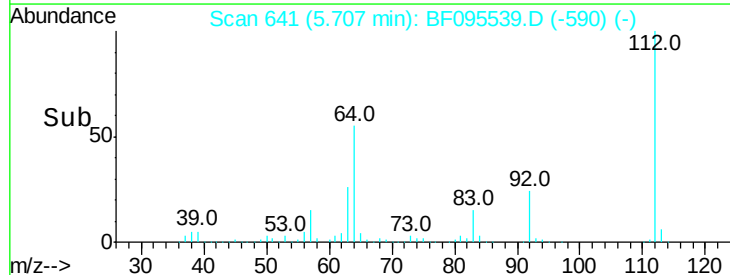
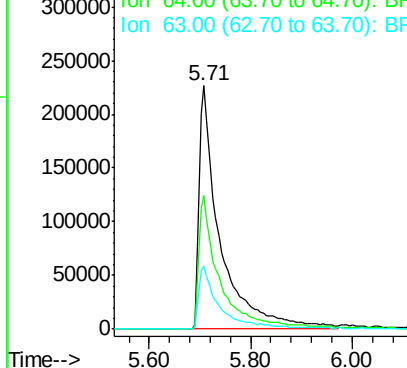
#5

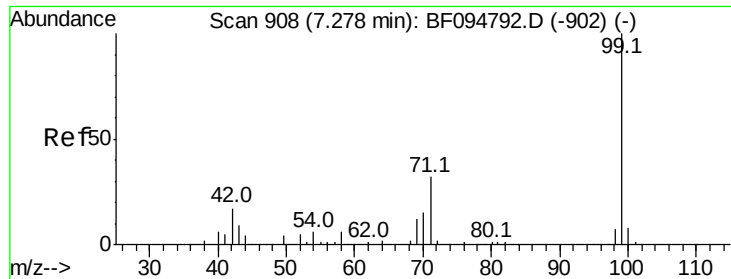
2-Fluorophenol
Concen: 116.04 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Tgt Ion:112 Resp: 652142
Ion Ratio Lower Upper
112 100
64 54.7 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: 118.82 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Instrument :

BNA_F

ClientSampled :

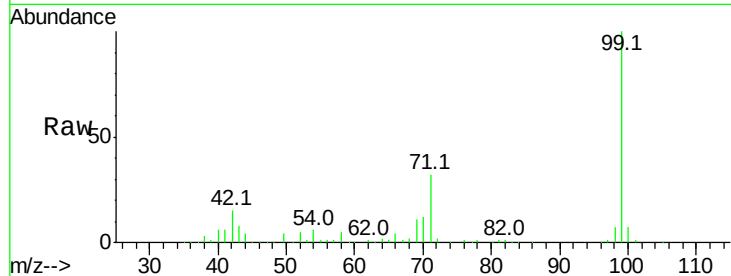
Tot Ion: 99 Resp: 801188

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

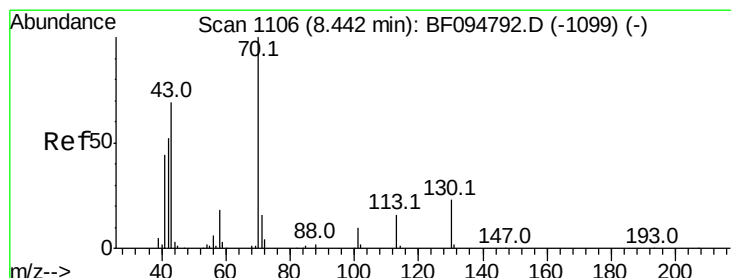
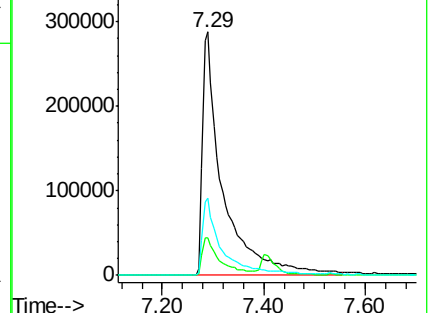
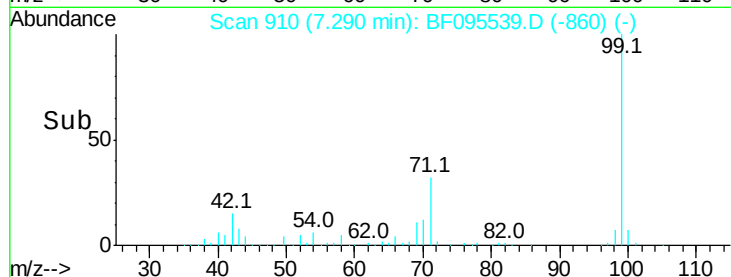
71 31.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.32 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Tgt Ion: 70 Resp: 51626

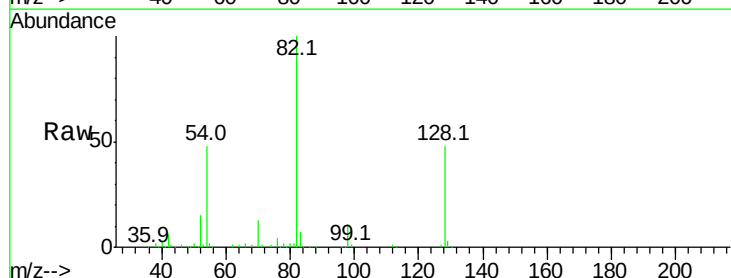
Ion Ratio Lower Upper

70 100

42 43.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

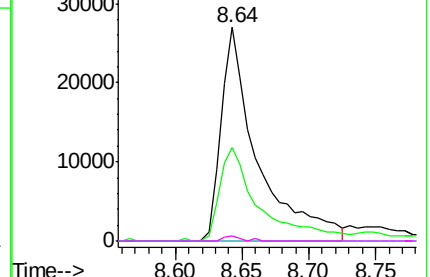
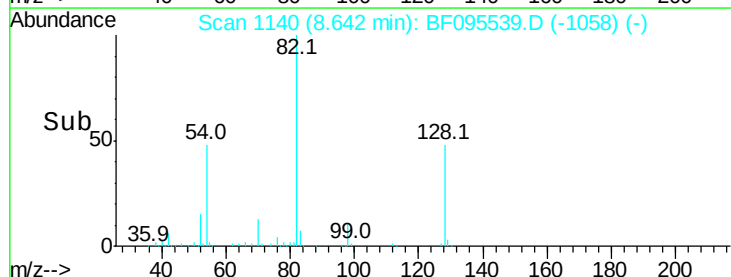


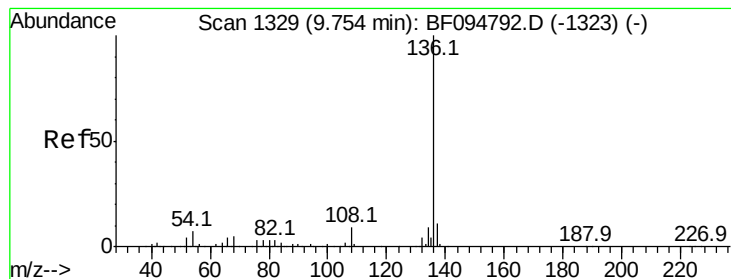
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.76 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 367692

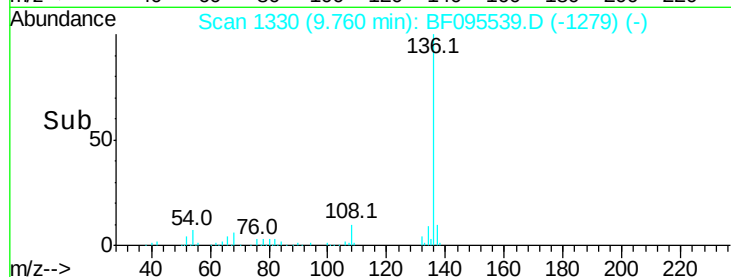
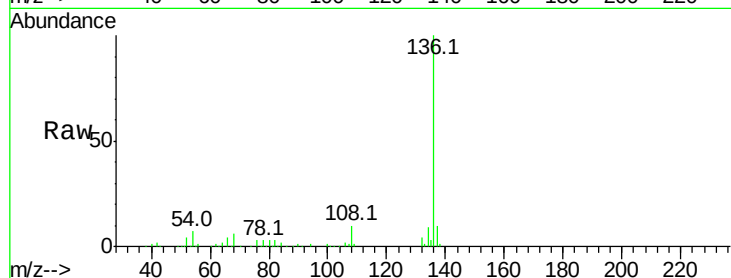
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 7.0 4.9 7.3

68 5.6 4.1 6.1

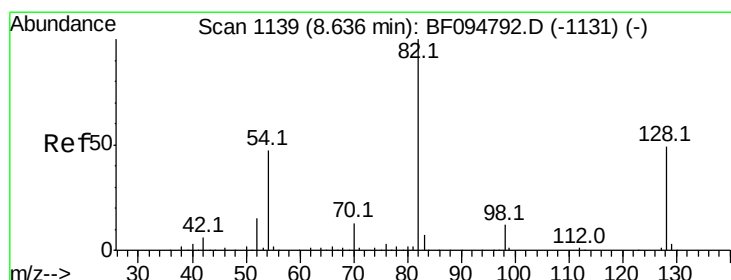
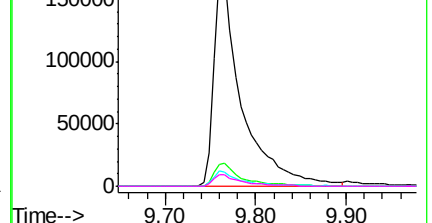


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.35 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

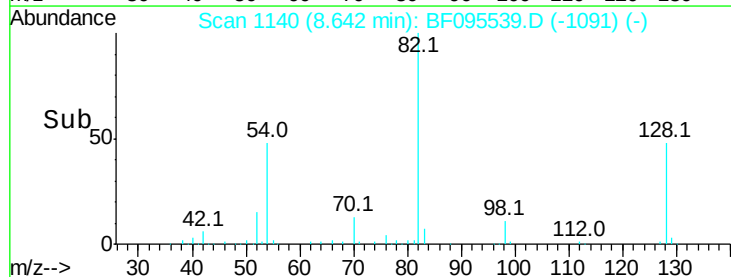
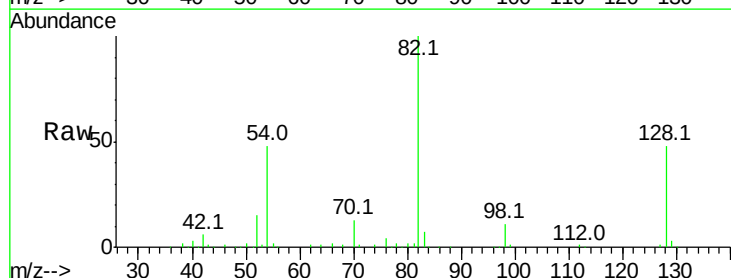
Tgt Ion: 82 Resp: 456863

Ion Ratio Lower Upper

82 100

128 48.2 34.0 51.0

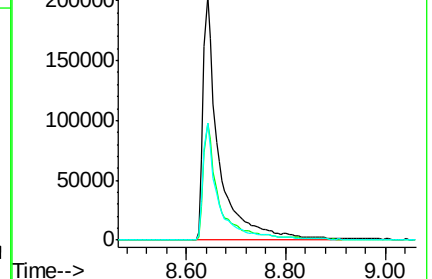
54 47.8 42.2 63.2

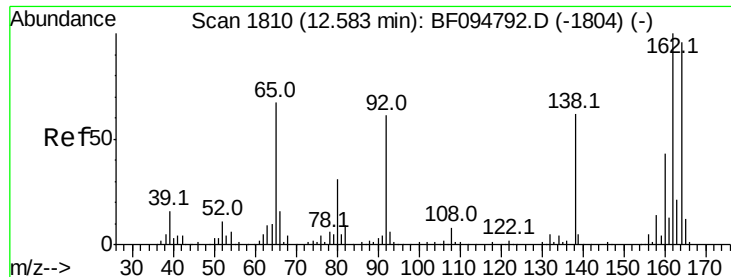


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Instrument :

BNA_F

ClientSampleId :

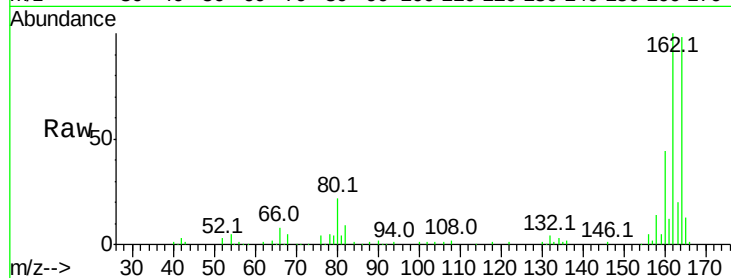
Tot Ion:164 Resp: 160698

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

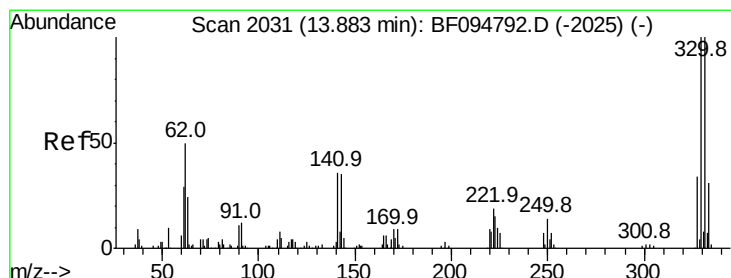
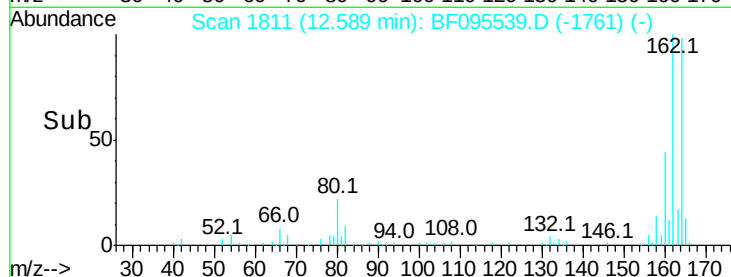
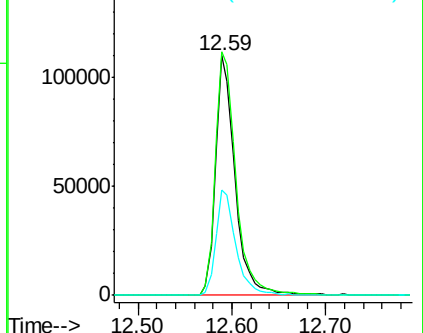
160 44.3 36.2 54.2



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: 93.86 ng

RT: 13.90 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

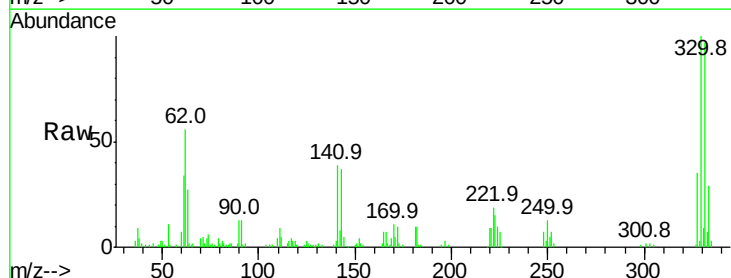
Tgt Ion:330 Resp: 123523

Ion Ratio Lower Upper

330 100

332 94.3 76.6 115.0

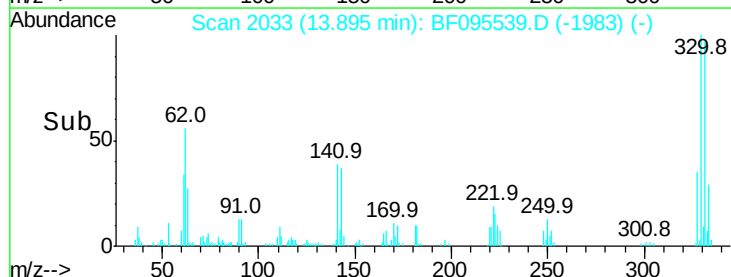
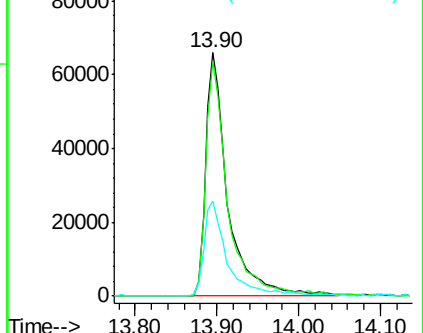
141 39.9 31.4 47.2

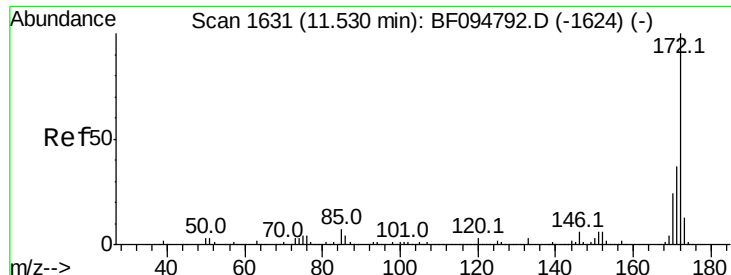


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

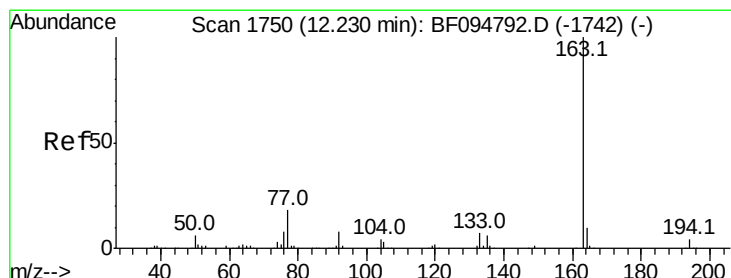
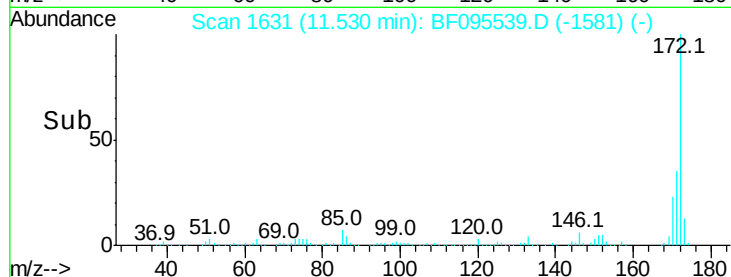
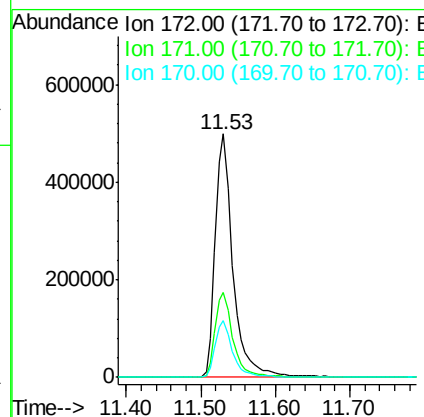
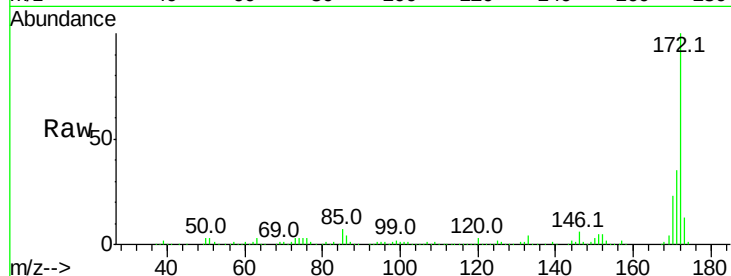




#44
2-Fluorobiphenyl
Concen: 73.61 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

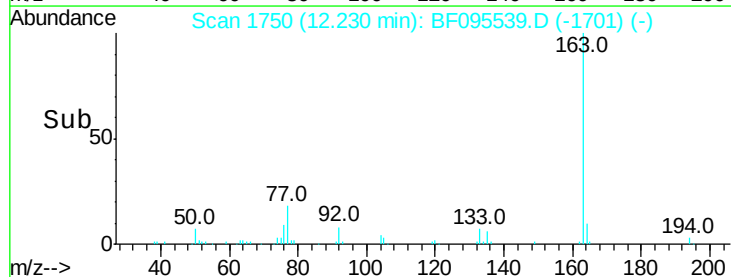
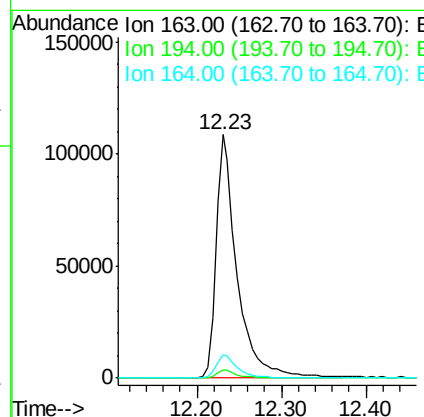
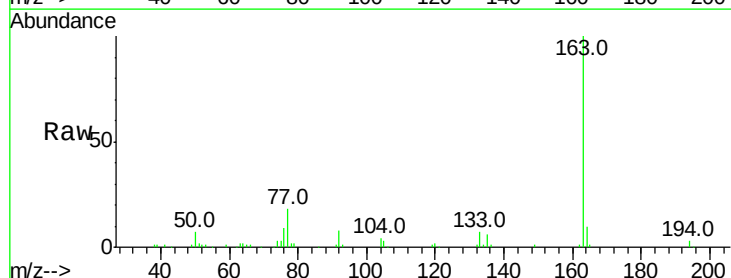
Instrument :
BNA_F
ClientSampleId :

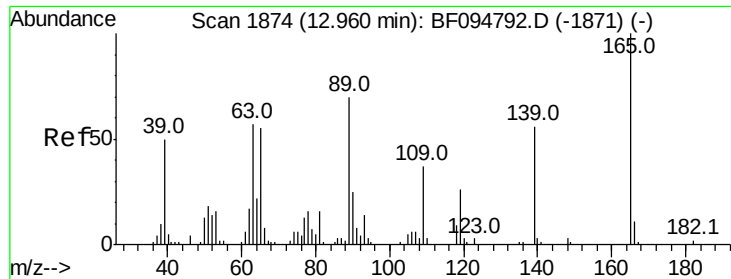
Tot Ion:172 Resp: 821811
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 23.4 19.8 29.8



#49
Dimethylphthalate
Concen: 14.37 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Tgt Ion:163 Resp: 189598
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6

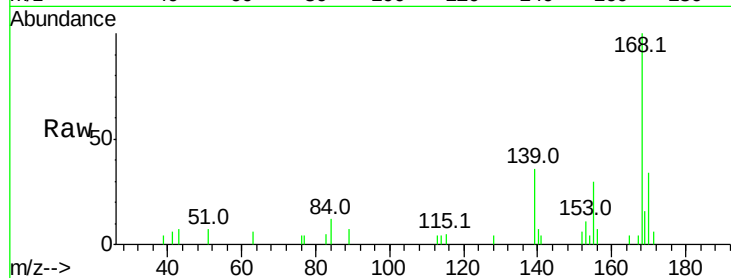




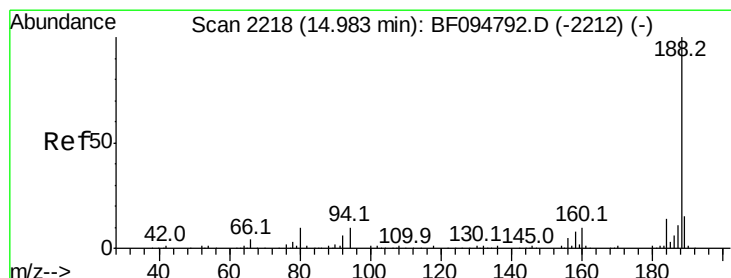
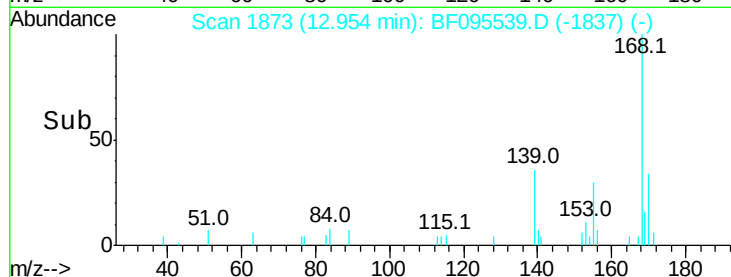
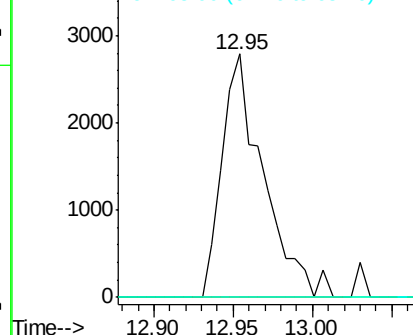
#55
4-Nitrophenol
Concen: 2.91 ng
RT: 12.95 min Scan# 1873
Delta R.T. -0.09 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5049
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

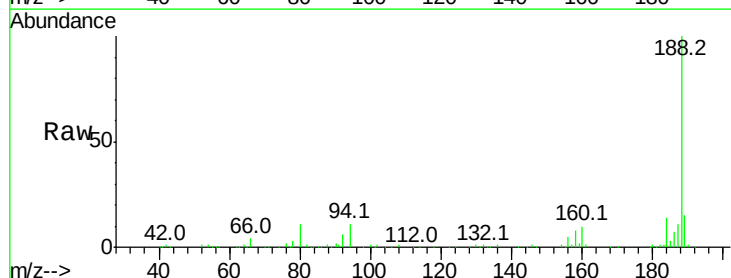


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

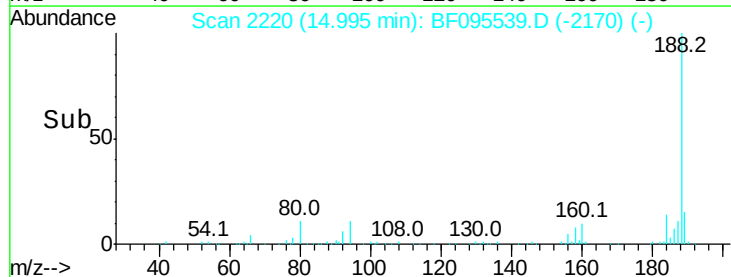
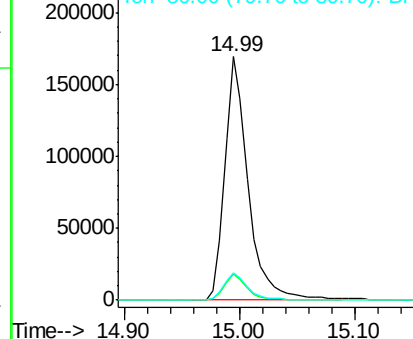


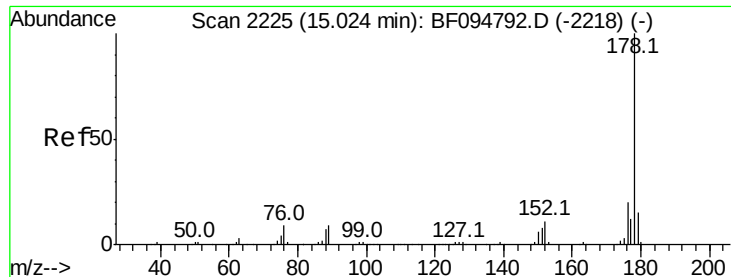
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Tgt Ion:188 Resp: 237195
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

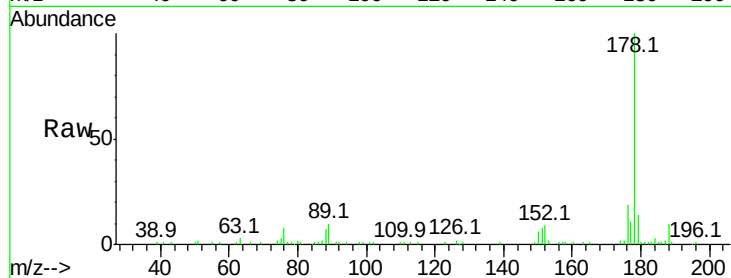




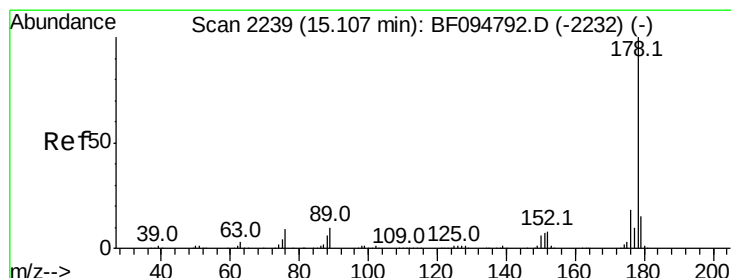
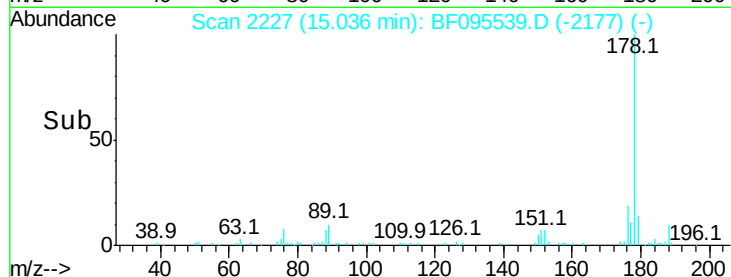
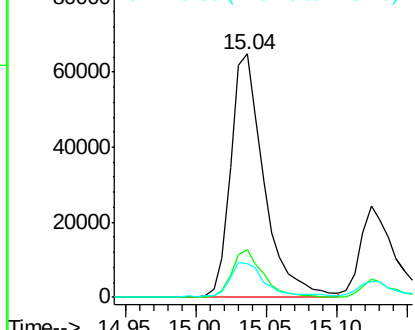
#70
Phenanthrene
Concen: 7.83 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 106680
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 14.0 12.6 19.0

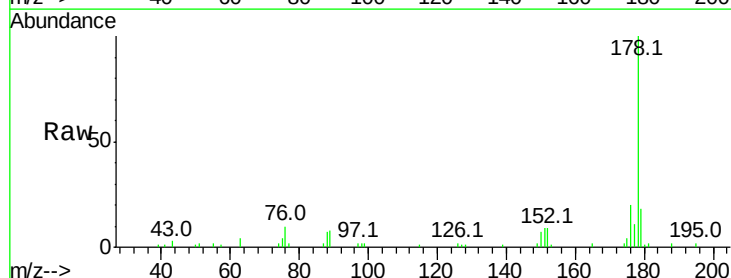


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

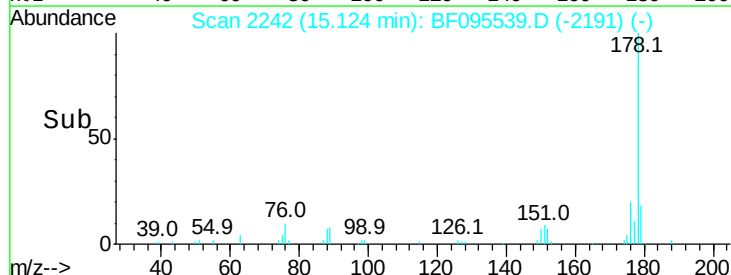
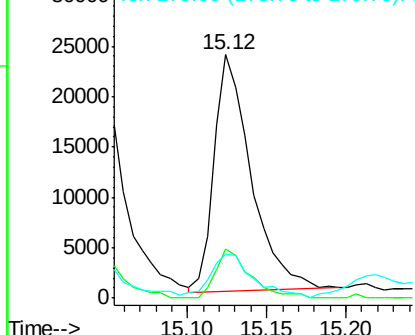


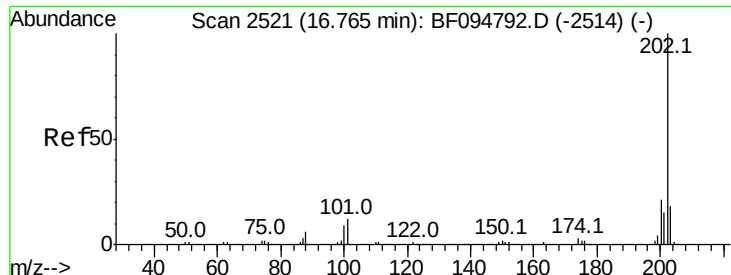
#71
Anthracene
Concen: 2.73 ng
RT: 15.12 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Tgt Ion:178 Resp: 37960
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 18.0 12.7 19.1



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

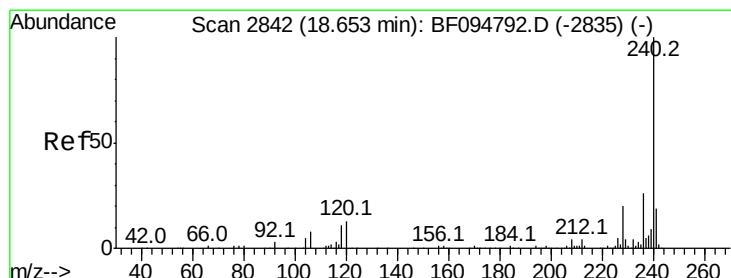
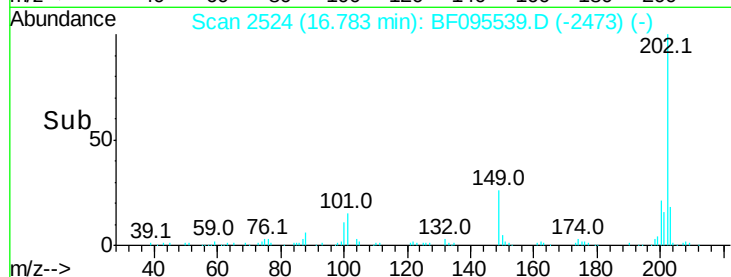
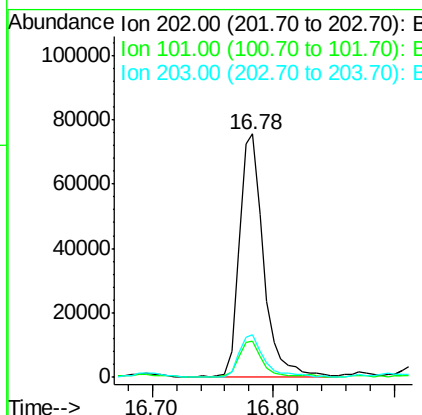
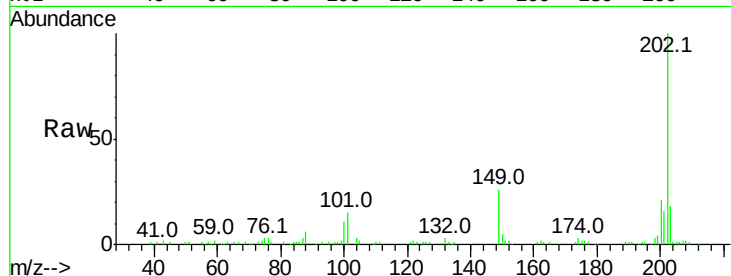




#74
 Fluoranthene
 Concen: 7.57 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095539.D
 Acq: 30 May 2017 17:12

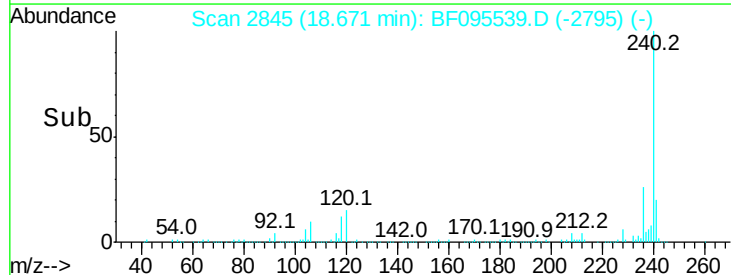
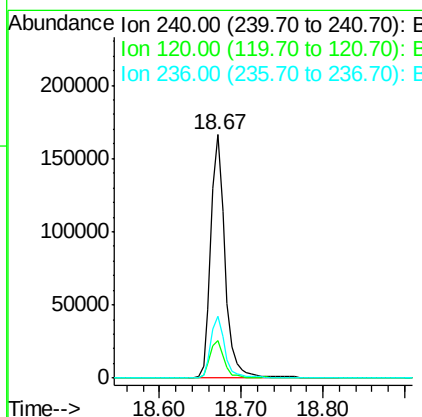
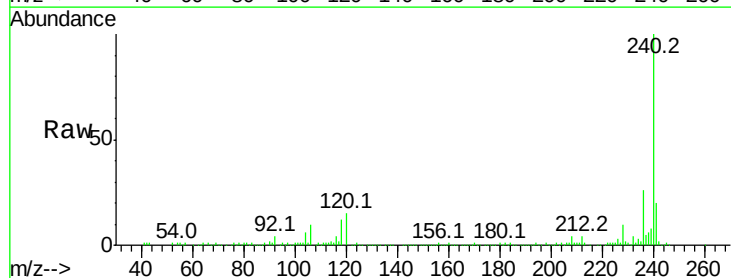
Instrument :
 BNA_F
 ClientSampleId :

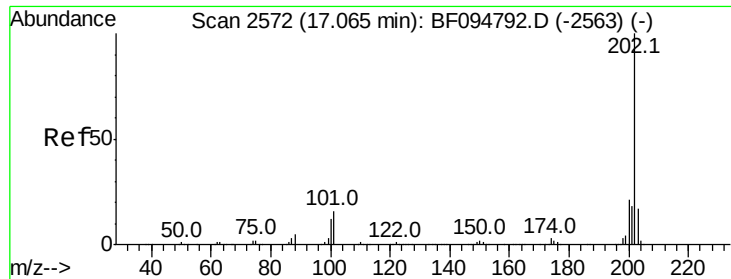
Tot Ion:	202	Resp:	105896
Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	33.2
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095539.D
 Acq: 30 May 2017 17:12

Tgt Ion:	240	Resp:	203518
Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 6.00 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Instrument :

BNA_F

ClientSampleId :

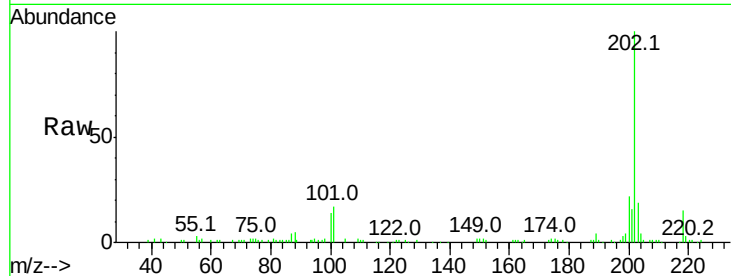
Tot Ion:202 Resp: 91340

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

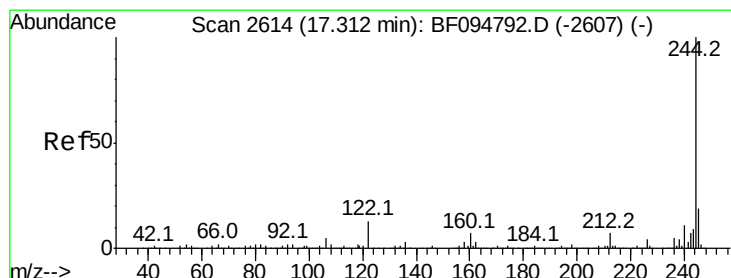
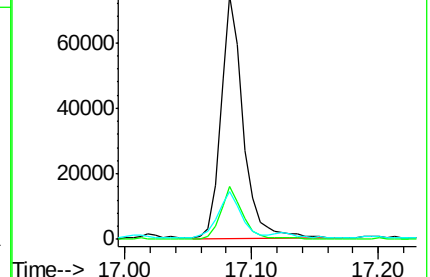
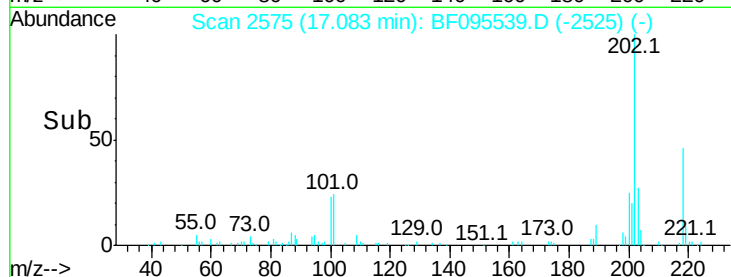
203 19.4 14.4 21.6



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: 48.30 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

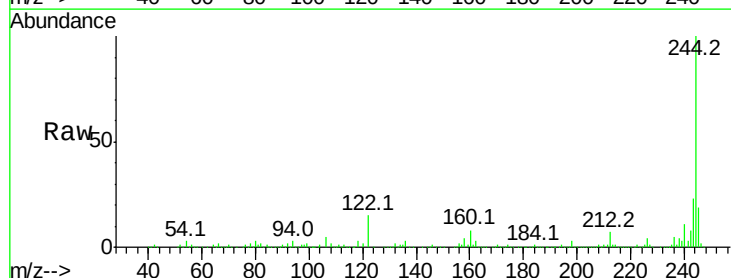
Tgt Ion:244 Resp: 446281

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

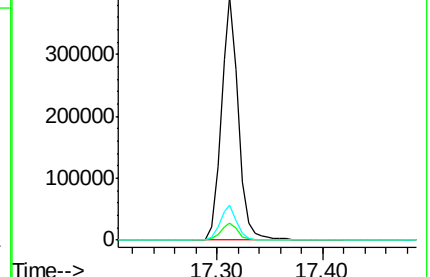
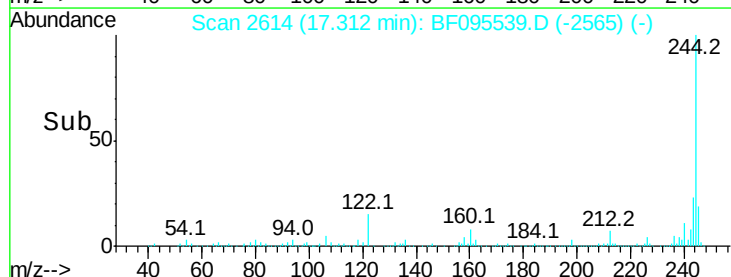
122 14.6 10.3 15.5

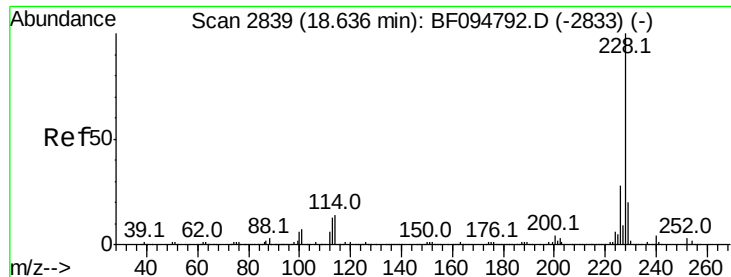


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.23 ng

RT: 18.71 min Scan# 2851

Delta R.T. 0.04 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Instrument :

BNA_F

ClientSampleId :

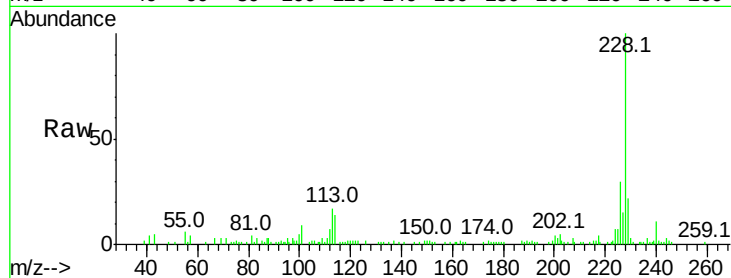
Tot Ion:228 Resp: 50139

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

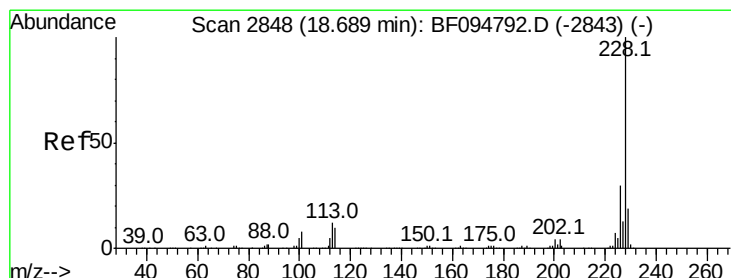
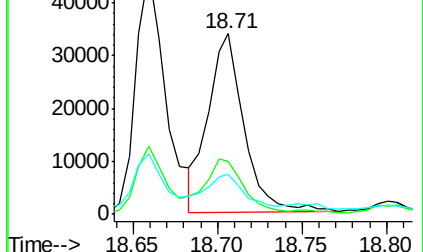
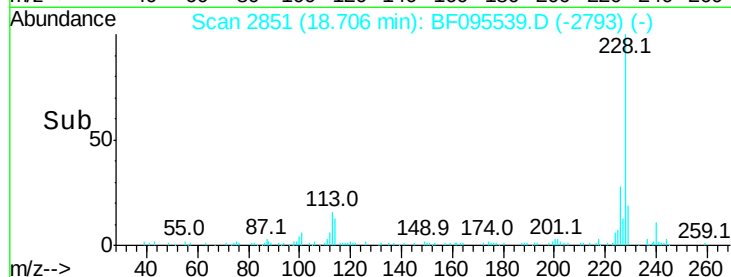
229 22.0 16.3 24.5



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



#82

Chrysene

Concen: 4.38 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

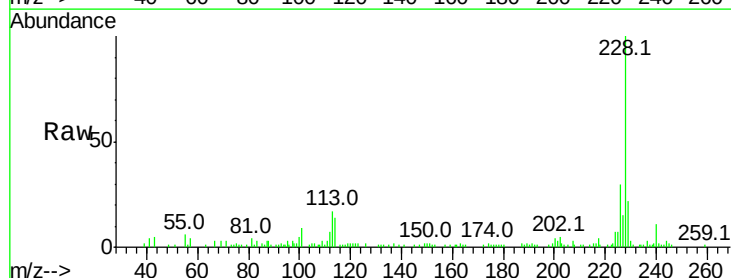
Tgt Ion:228 Resp: 50139

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

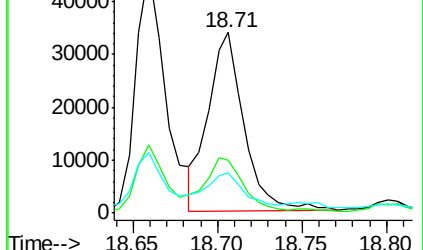
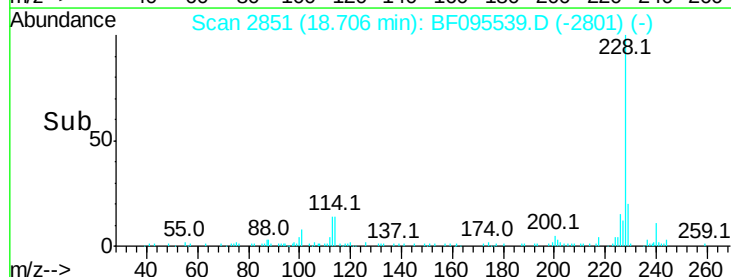
229 22.0 15.8 23.6

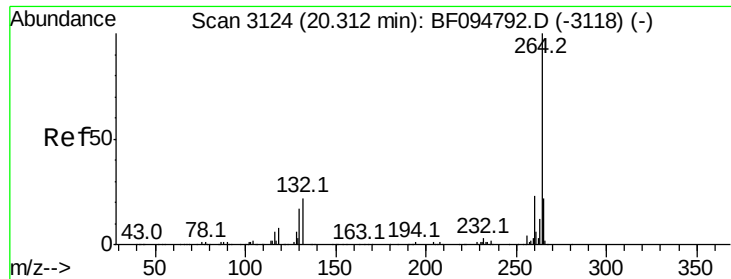


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

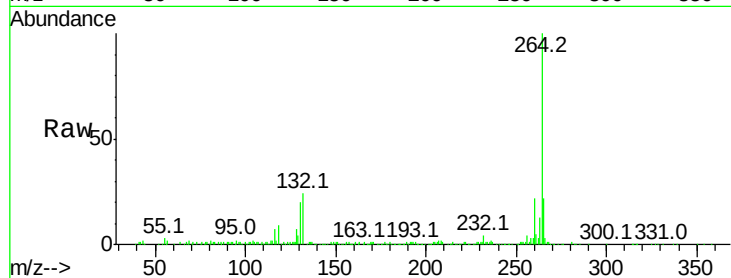




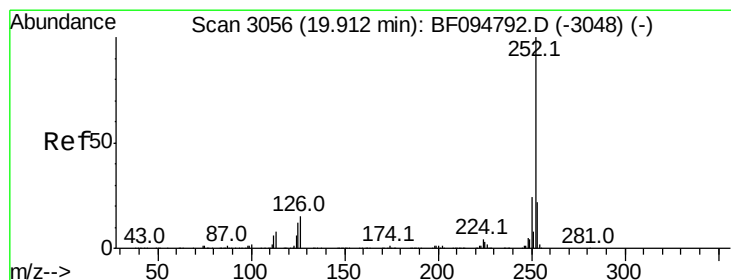
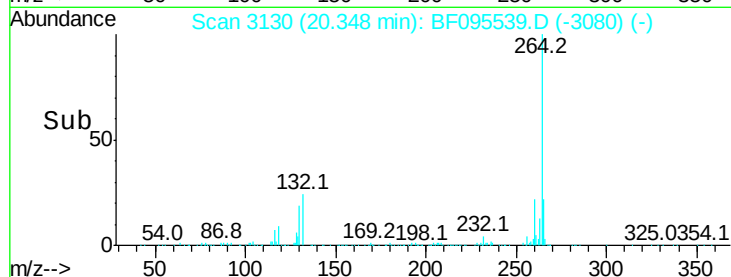
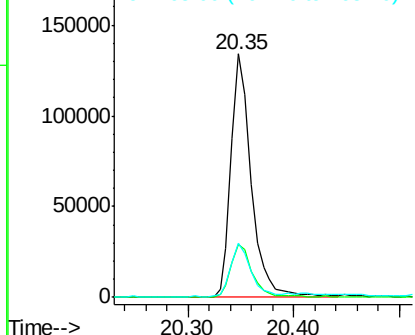
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 179209
Ion Ratio Lower Upper
264 100
260 22.0 19.5 29.3
265 22.0 17.2 25.8

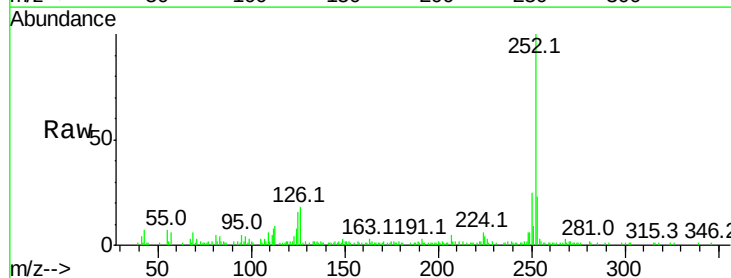


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

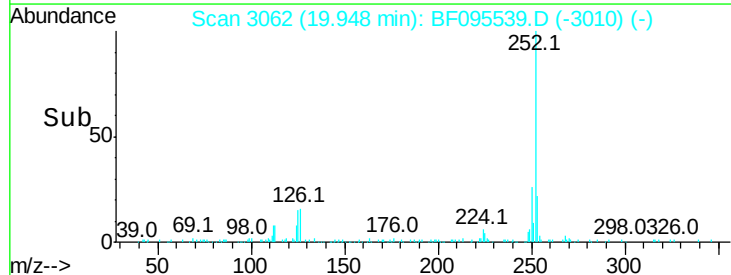
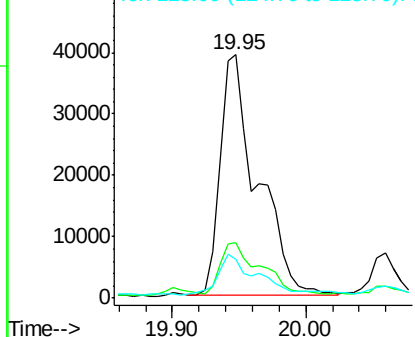


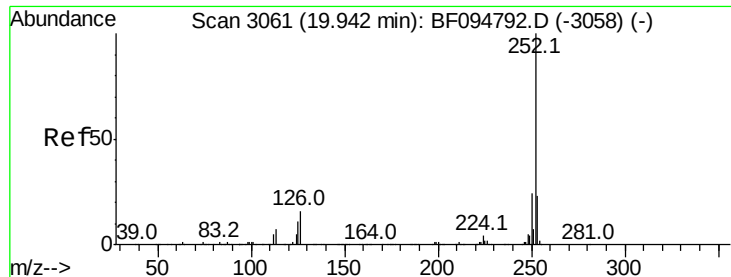
#87
Benzo(b)fluoranthene
Concen: 6.91 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095539.D
Acq: 30 May 2017 17:12

Tgt Ion:252 Resp: 76547
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 15.9 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: 7.17 ng

RT: 19.95 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095539.D

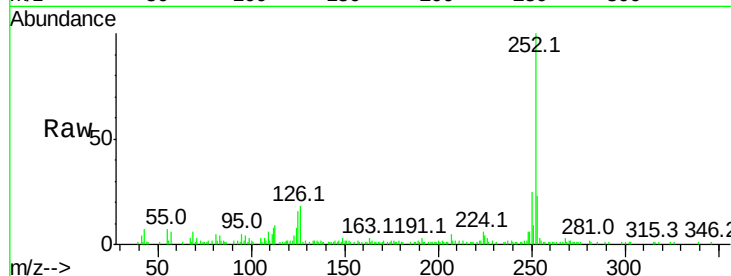
Acq: 30 May 2017 17:12

Instrument :

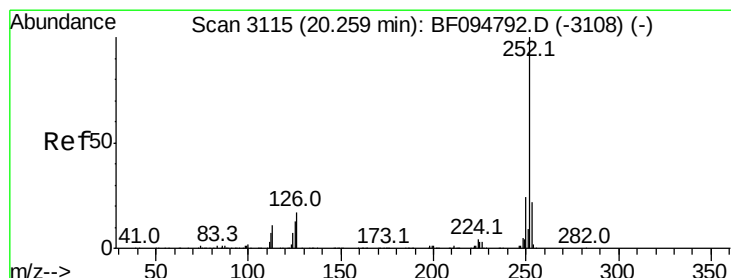
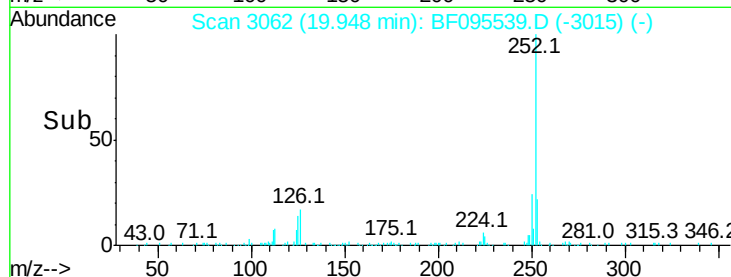
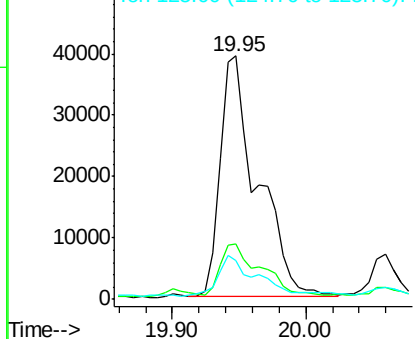
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	76547
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	15.9	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: 3.39 ng

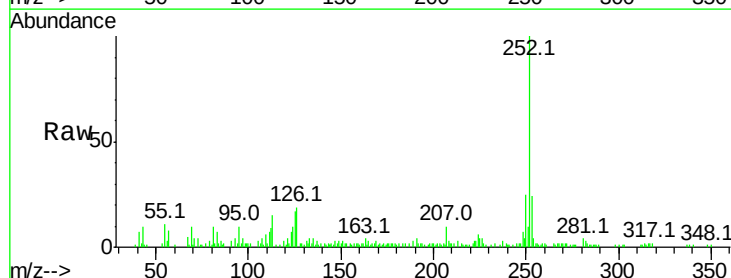
RT: 20.29 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BF095539.D

Acq: 30 May 2017 17:12

Tgt Ion:	252	Resp:	34682
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	16.6	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

