

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095143.D
 Acq On : 16 May 2017 00:36
 Operator : SJ/MA
 Sample : I3140-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:01:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

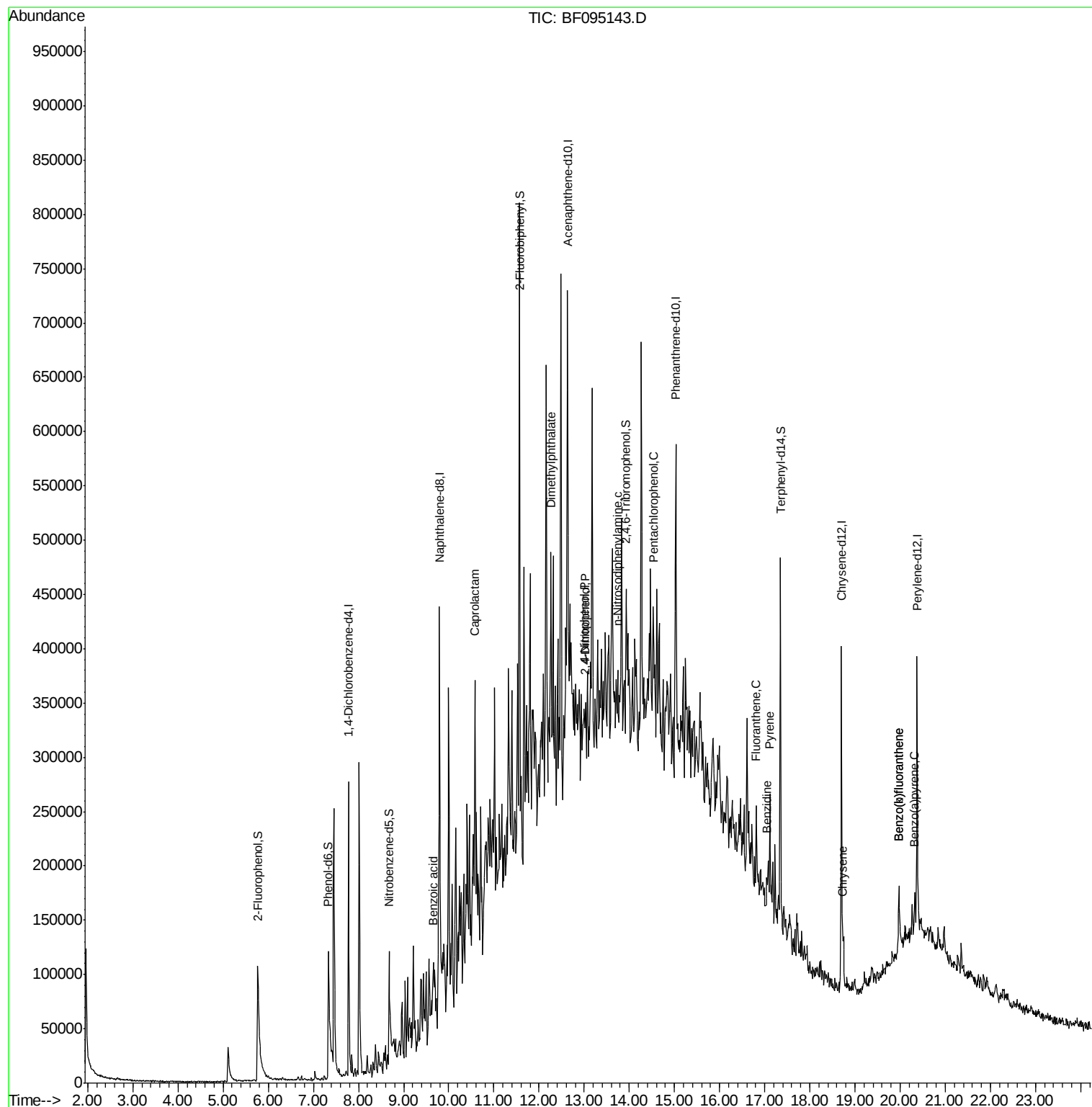
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	62523	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	244362	20.00	ng	0.04
38) Acenaphthene-d10	12.63	164	100719	20.00	ng	0.05
63) Phenanthrene-d10	15.04	188	147848	20.00	ng	0.05
75) Chrysene-d12	18.70	240	136196	20.00	ng	0.05
86) Perylene-d12	20.38	264	116419	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	118595	31.62	ng	0.09
7) Phenol-d6	7.33	99	137559	30.57	ng	0.05
23) Nitrobenzene-d5	8.68	82	87776	22.65	ng	0.04
41) 2,4,6-Tribromophenol	13.94	330	22969	27.85	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	187541	26.80	ng	0.04
78) Terphenyl-d14	17.35	244	120692	19.52	ng	0.04
Target Compounds						
32) Benzoic acid	9.67	122	909	5.43	ng	# 1
35) Caprolactam	10.58	113	8317	8.28	ng	# 15
49) Dimethylphthalate	12.26	163	23010	2.78	ng	# 95
53) 2,4-Dinitrophenol	13.02	184	108	6.35	ng	# 49
55) 4-Nitrophenol	12.99	139	2853	2.62	ng	# 1
65) n-Nitrosodiphenylamine	13.74	169	21603	4.03	ng	# 38
69) Pentachlorophenol	14.53	266	589	6.62	ng	# 18
74) Fluoranthene	16.81	202	39617	4.55	ng	# 93
76) Benzidine	17.05	184	818	6.78	ng	# 1
77) Pyrene	17.11	202	52306	5.14	ng	# 95
82) Chrysene	18.74	228	17369	2.27	ng	# 82
87) Benzo(b)fluoranthene	19.98	252	34748	4.83	ng	# 90
88) Benzo(k)fluoranthene	19.98	252	34748	5.01	ng	# 95
89) Benzo(a)pyrene	20.32	252	14570	2.19	ng	# 87

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

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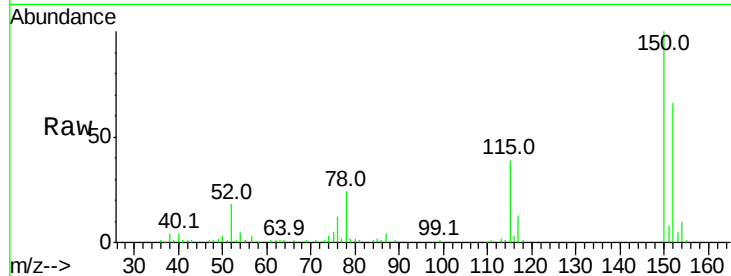


#1

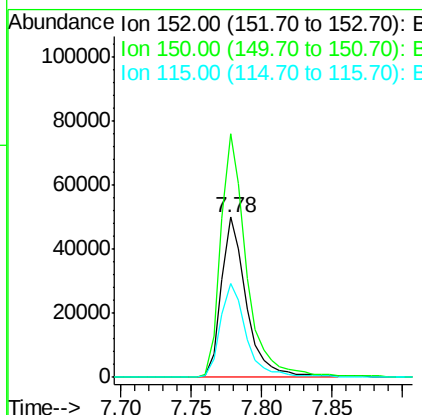
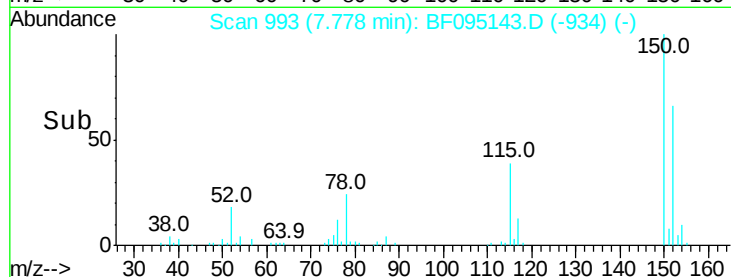
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62523
Ion Ratio Lower Upper
152 100
150 152.0 126.2 189.2
115 58.7 52.2 78.2



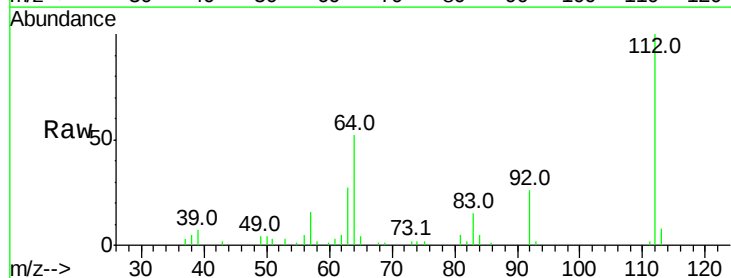
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



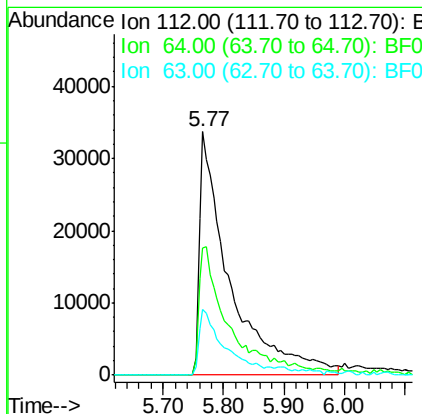
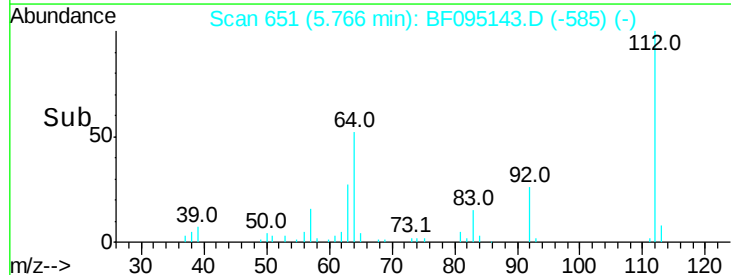
#5

2-Fluorophenol
Concen: 31.62 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.09 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Tgt Ion:112 Resp: 118595
Ion Ratio Lower Upper
112 100
64 52.4 46.0 69.0
63 27.1 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: 30.57 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampleId :

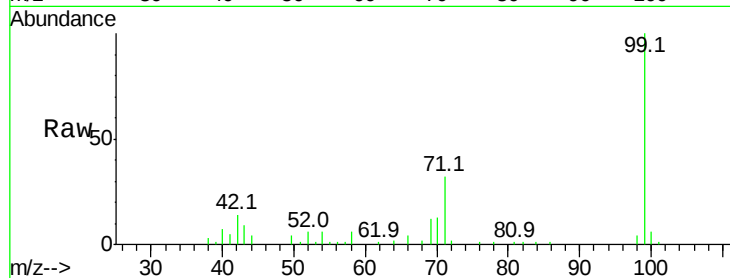
Tot Ion: 99 Resp: 137559

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

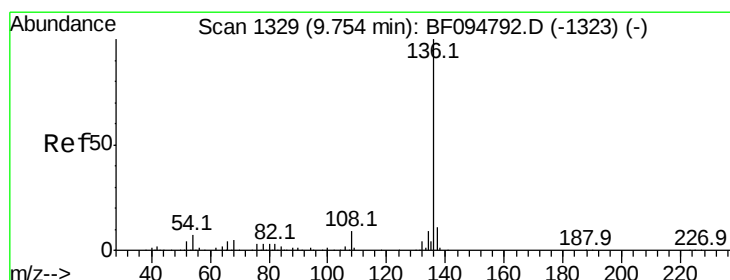
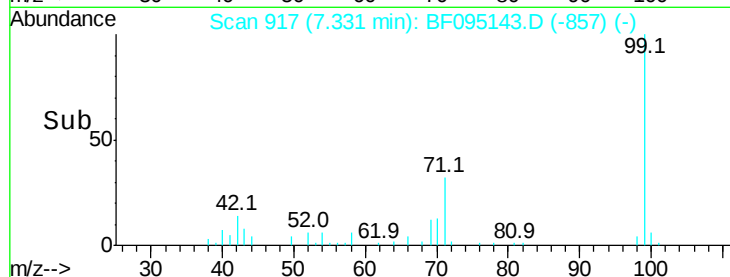
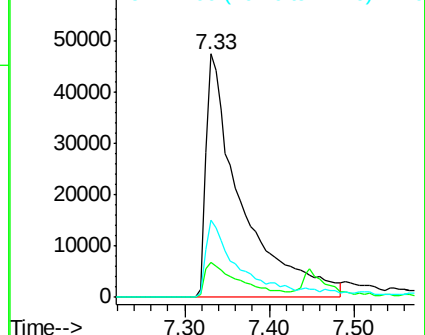
71 31.9 24.5 36.7



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: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Tgt Ion: 136 Resp: 244362

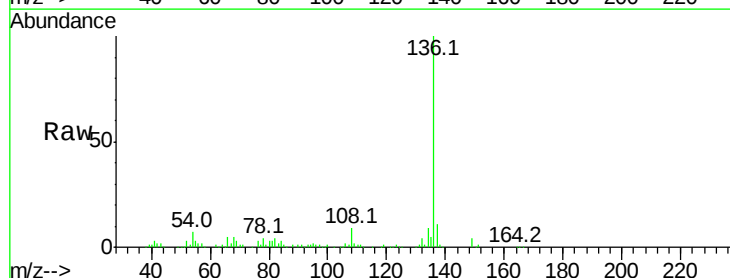
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

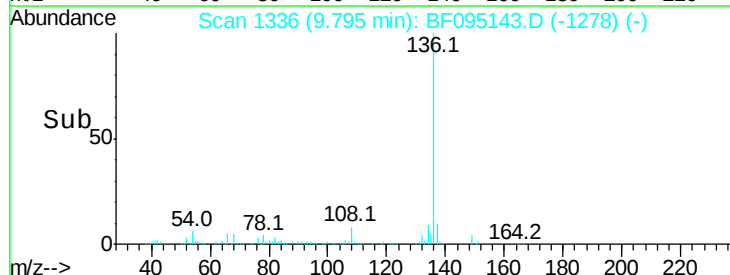
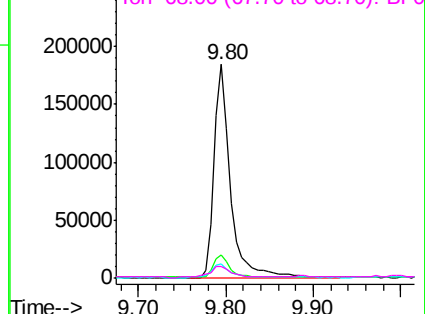


Abundance Ion 136.00 (135.70 to 136.70): E

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

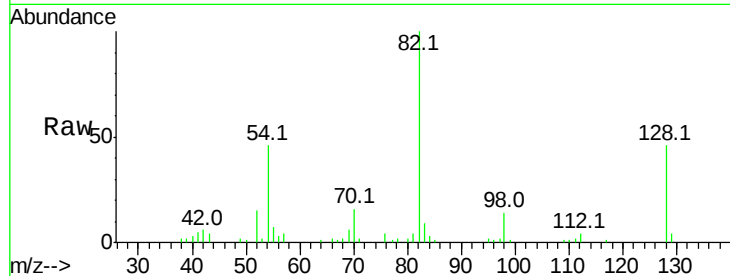




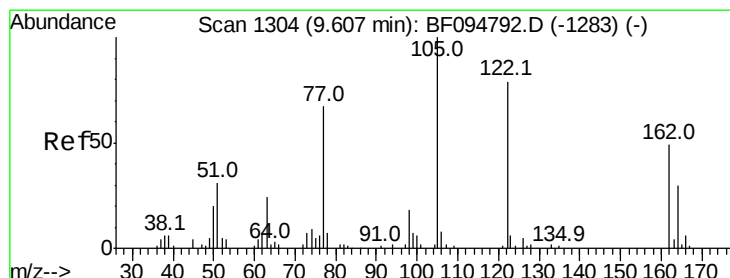
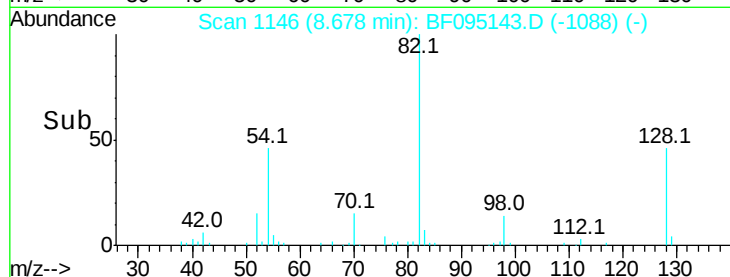
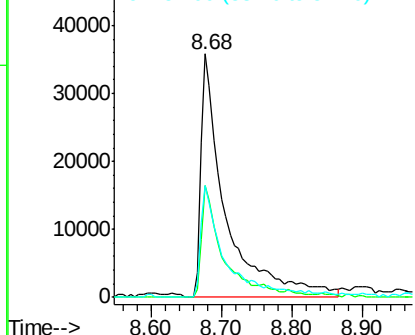
#23
 Nitrobenzene-d5
 Concen: 22.65 ng
 RT: 8.68 min Scan# 1146
 Delta R.T. 0.04 min
 Lab File: BF095143.D
 Acq: 16 May 2017 00:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 87776
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 46.1 42.2 63.2

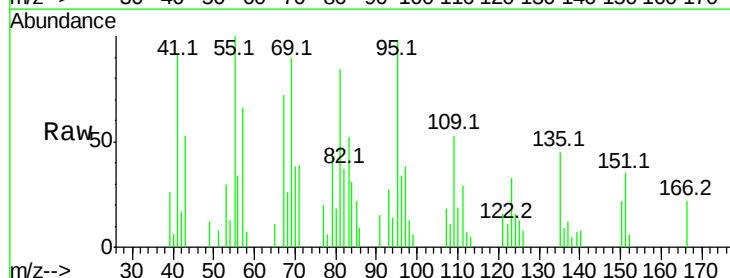


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

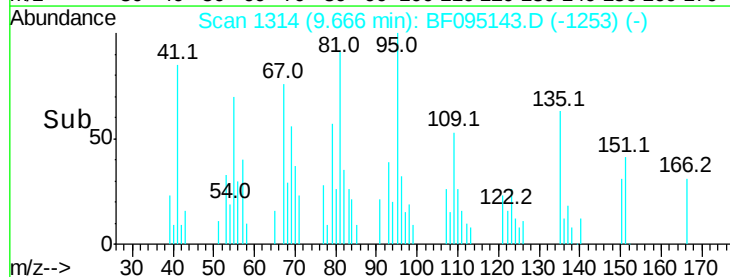
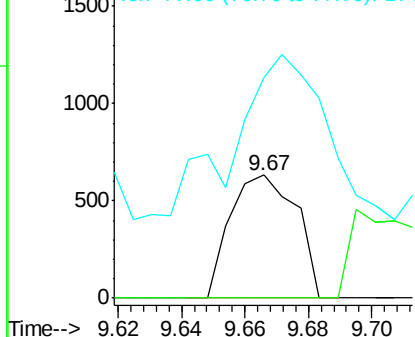


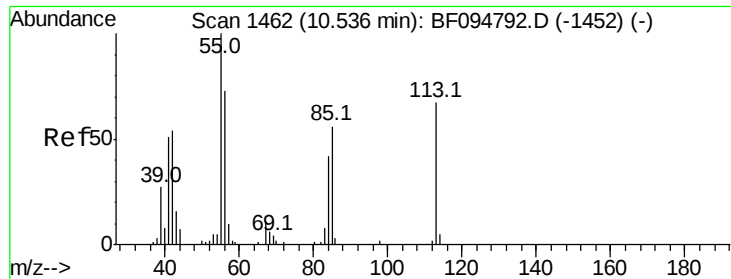
#32
 Benzoic acid
 Concen: 5.43 ng
 RT: 9.67 min Scan# 1314
 Delta R.T. 0.06 min
 Lab File: BF095143.D
 Acq: 16 May 2017 00:36

Tgt Ion:122 Resp: 909
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 179.1 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 8.28 ng

RT: 10.58 min Scan# 1470

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampled :

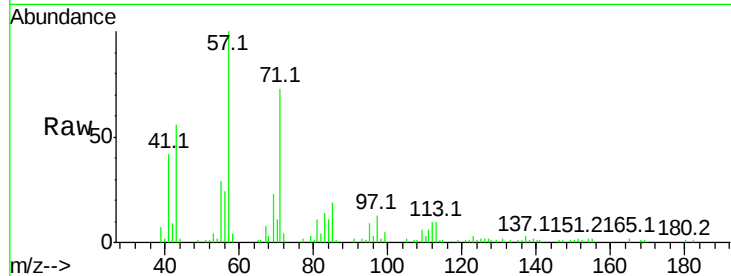
Tot Ion:113 Resp: 8317

Ion Ratio Lower Upper

113 100

55 282.0 150.2 190.2#

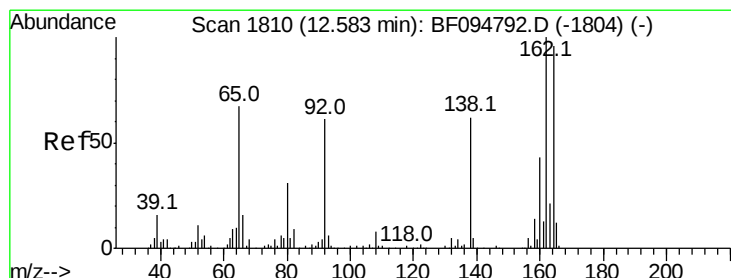
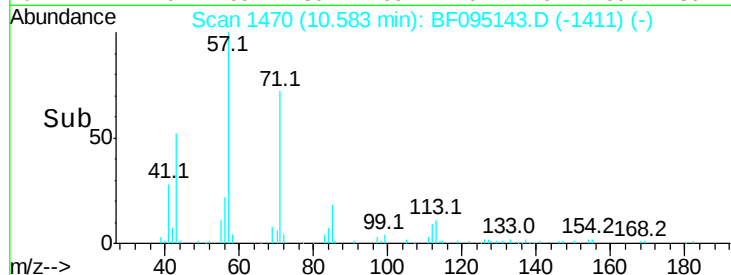
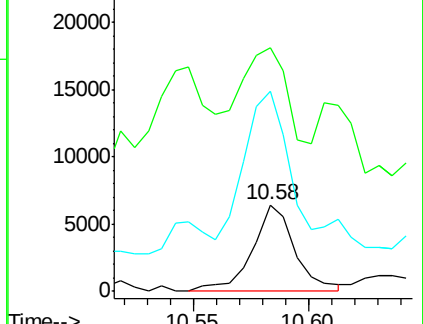
56 232.4 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.63 min Scan# 1818

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

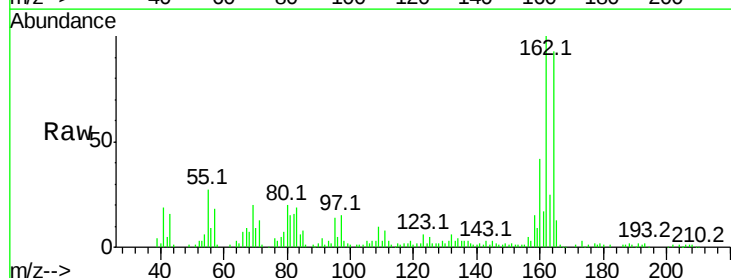
Tgt Ion:164 Resp: 100719

Ion Ratio Lower Upper

164 100

162 107.0 82.6 123.8

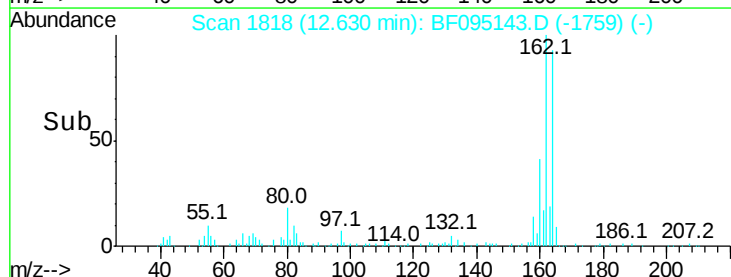
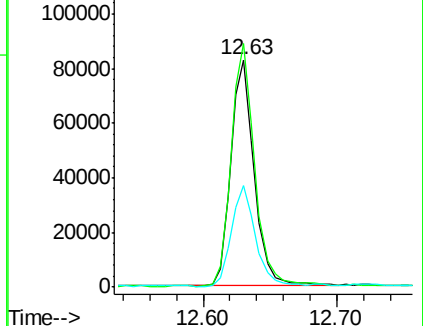
160 44.6 36.2 54.2

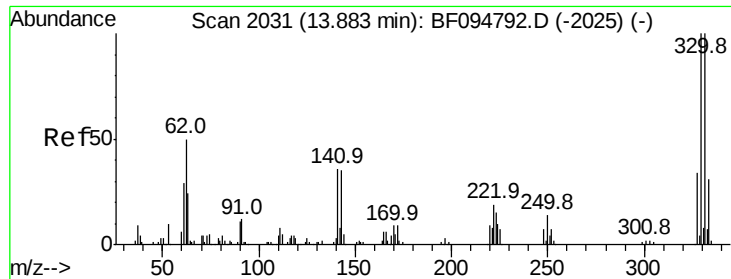


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

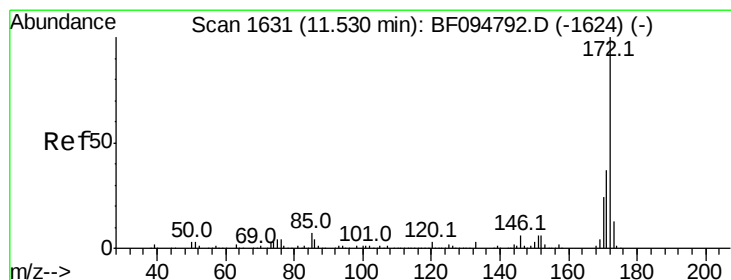
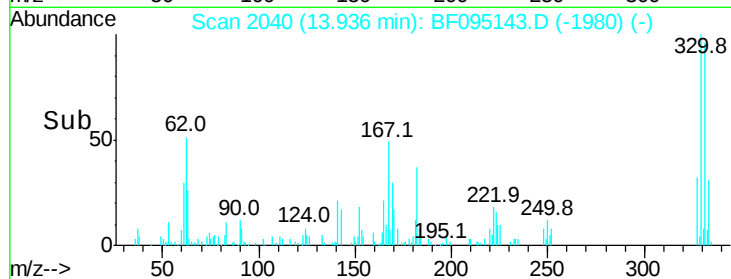
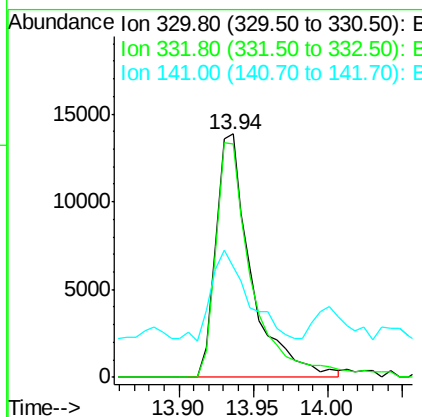
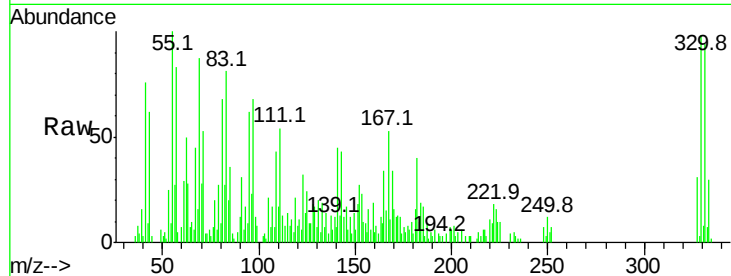




#41
 2,4,6-Tribromophenol
 Concen: 27.85 ng
 RT: 13.94 min Scan# 2040
 Delta R.T. 0.05 min
 Lab File: BF095143.D
 Acq: 16 May 2017 00:36

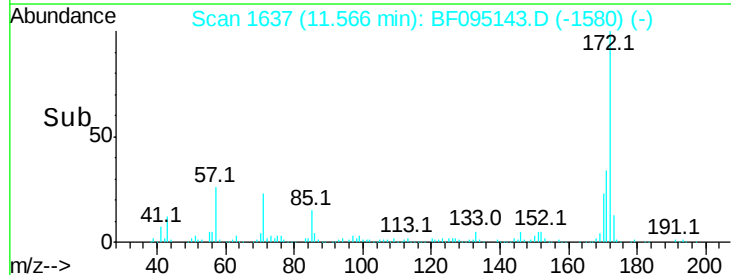
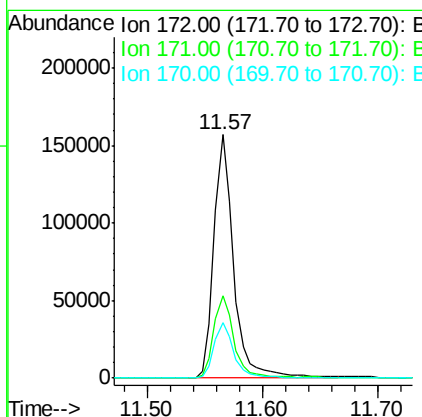
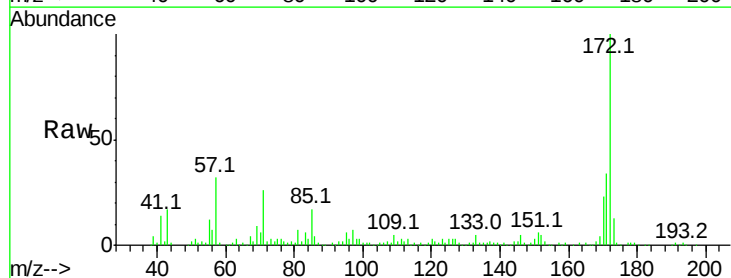
Instrument :
 BNA_F
 ClientSampleId :

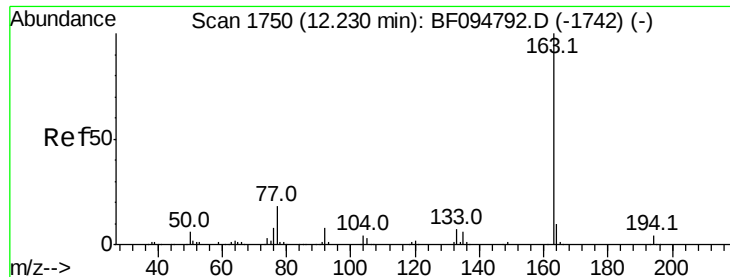
Tot Ion:330 Resp: 22969
 Ion Ratio Lower Upper
 330 100
 332 100.7 76.6 115.0
 141 37.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 26.80 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095143.D
 Acq: 16 May 2017 00:36

Tgt Ion:172 Resp: 187541
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.6 44.4
 170 23.0 19.8 29.8





#49

Dimethylphthalate

Concen: 2.78 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.03 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampleId :

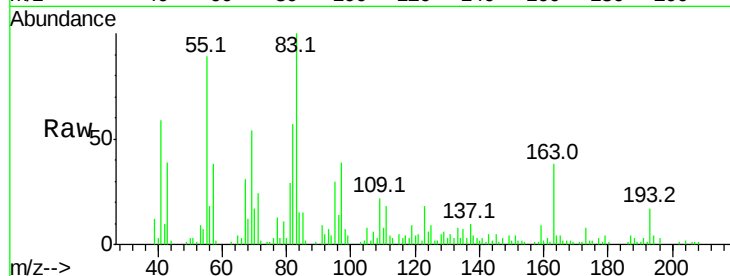
Tot Ion:163 Resp: 23010

Ion Ratio Lower Upper

163 100

194 10.3 2.6 4.0#

164 10.5 8.4 12.6



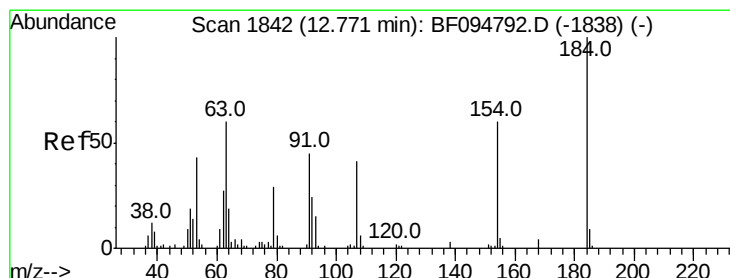
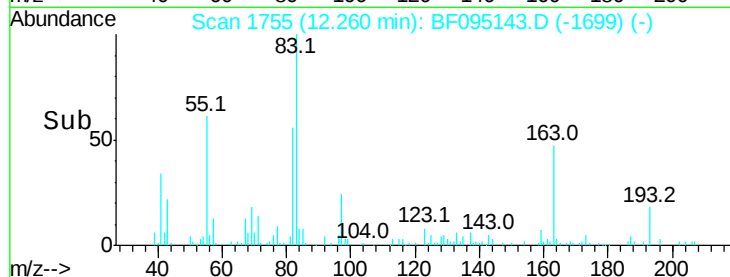
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

12.26

Time-->



#53

2,4-Dinitrophenol

Concen: 6.35 ng

RT: 13.02 min Scan# 1884

Delta R.T. 0.25 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

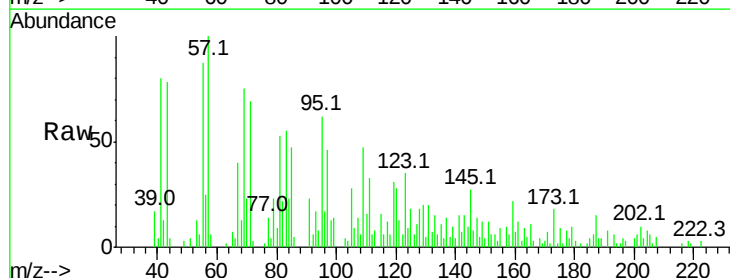
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

63 122.6 62.7 94.1#

154 152.8 81.1 121.7#



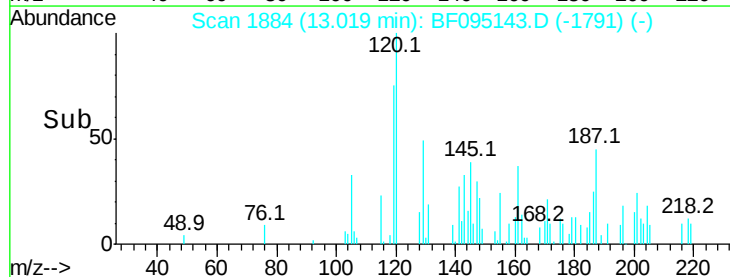
Abundance Ion 184.00 (183.70 to 184.70): E

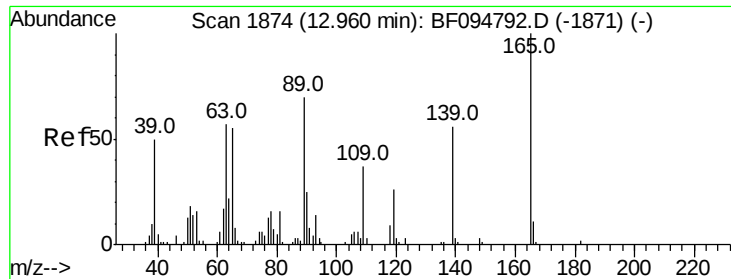
Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

13.02

Time-->

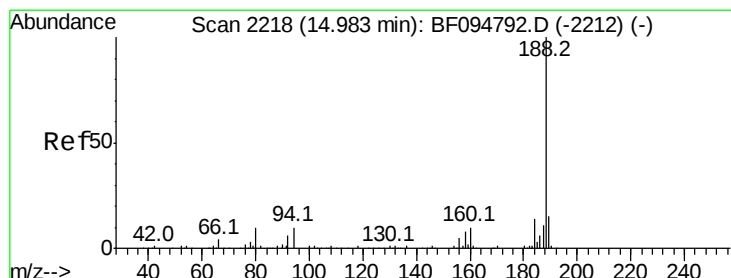
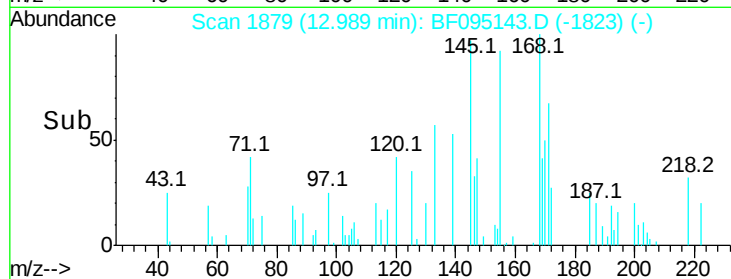
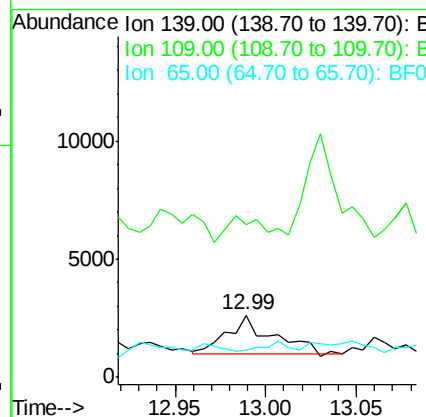
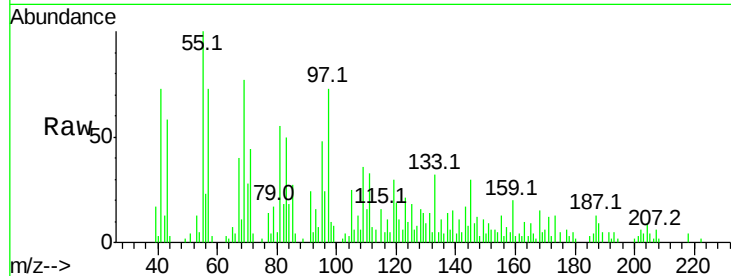




#55
4-Nitrophenol
Concen: 2.62 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.03 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

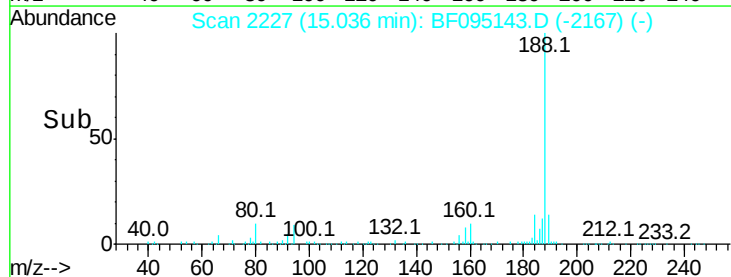
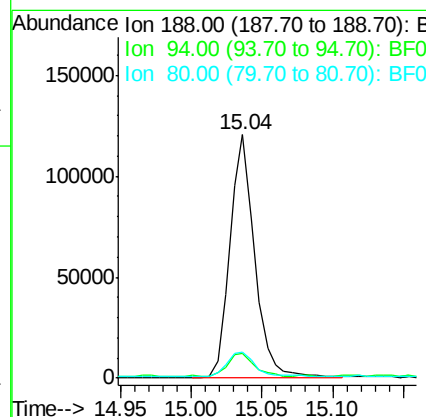
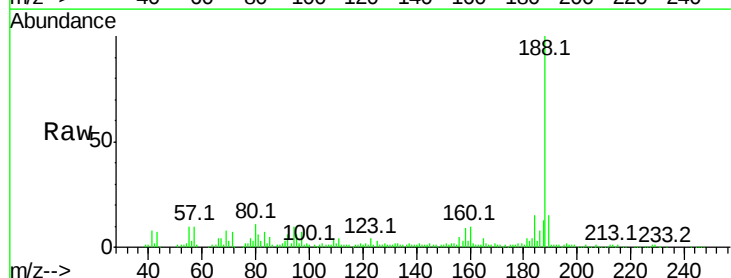
Instrument :
BNA_F
ClientSampled :

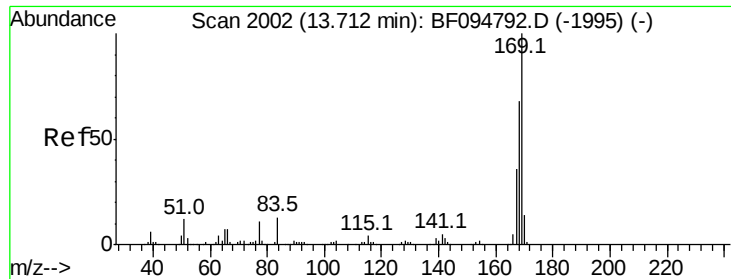
Tot Ion:139 Resp: 2853
Ion Ratio Lower Upper
139 100
109 245.2 34.1 74.1#
65 44.8 31.4 71.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.04 min Scan# 2227
Delta R.T. 0.05 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Tgt Ion:188 Resp: 147848
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.7 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 4.03 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.03 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampled :

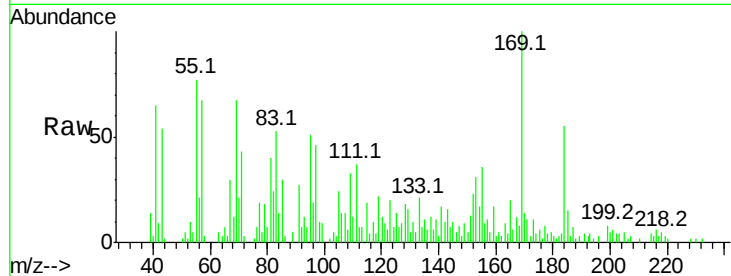
Tot Ion:169 Resp: 21603

Ion Ratio Lower Upper

169 100

168 8.5 53.2 79.8#

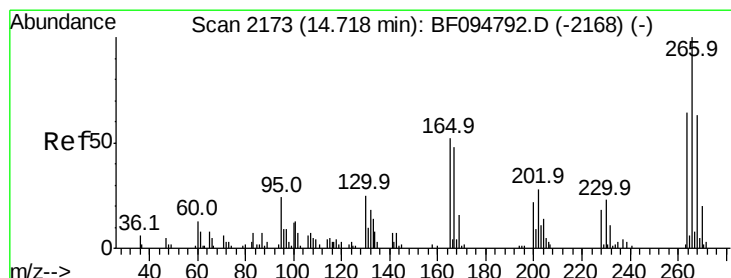
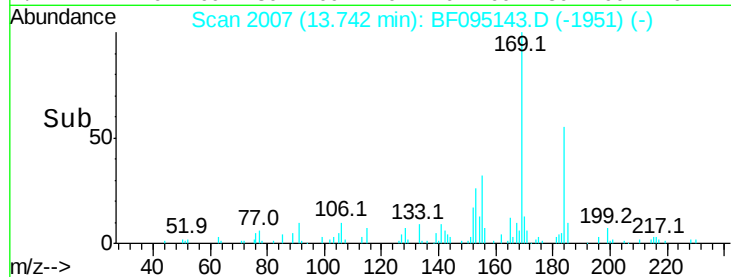
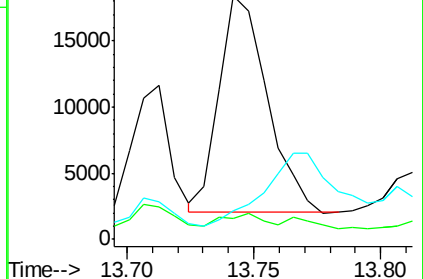
167 11.5 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 6.62 ng

RT: 14.53 min Scan# 2141

Delta R.T. -0.19 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

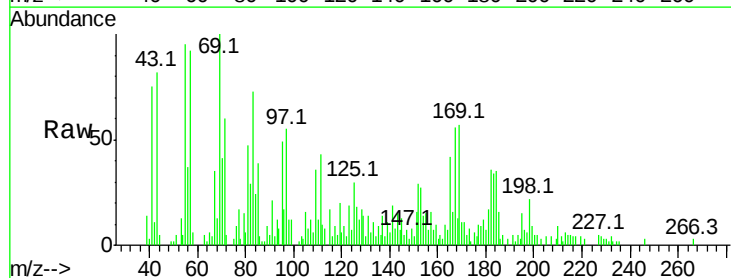
Tgt Ion:266 Resp: 589

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

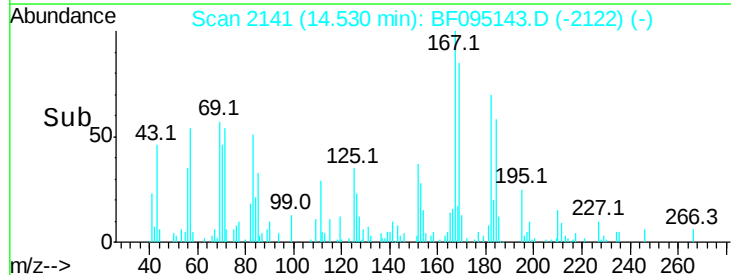
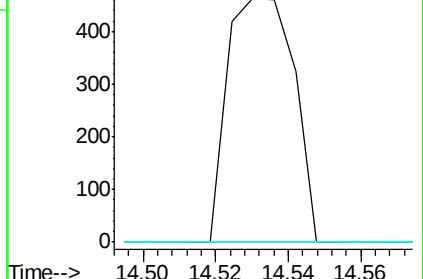
264 0.0 51.7 77.5#

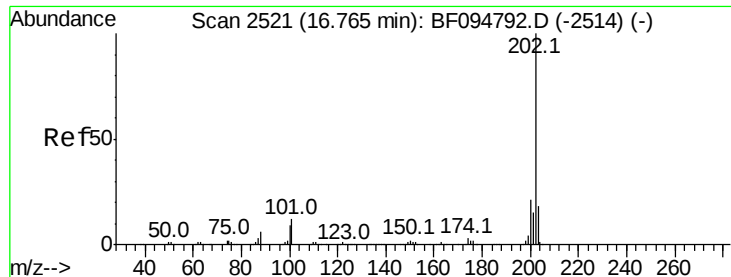


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#74

Fluoranthene

Concen: 4.55 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF095143.D

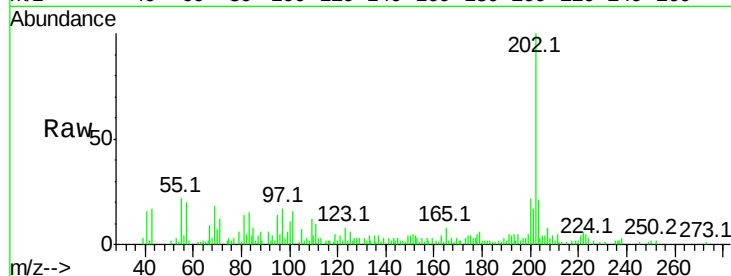
Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampleId :

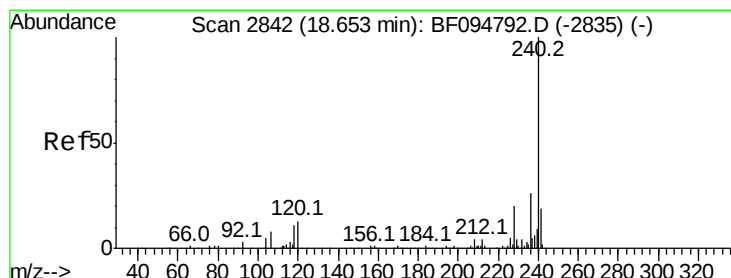
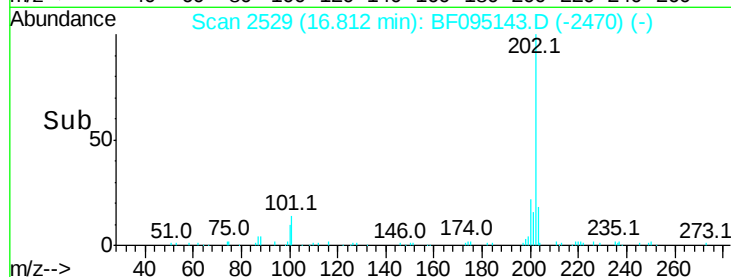
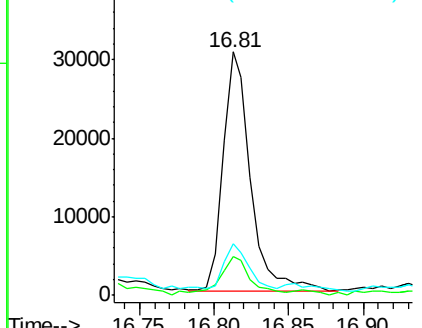
Tot Ion:	202	Resp:	39617
Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	33.2
203	21.4	0.0	38.1



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

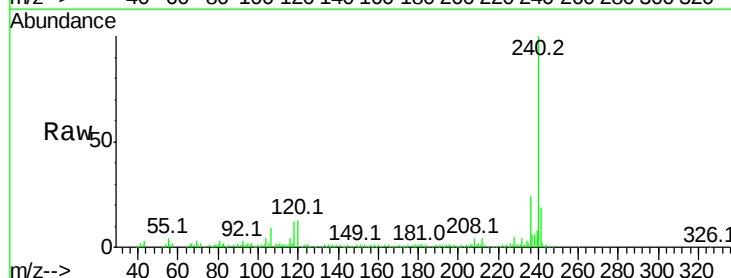
RT: 18.70 min Scan# 2850

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

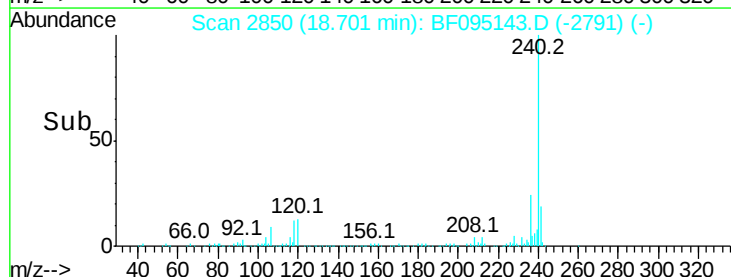
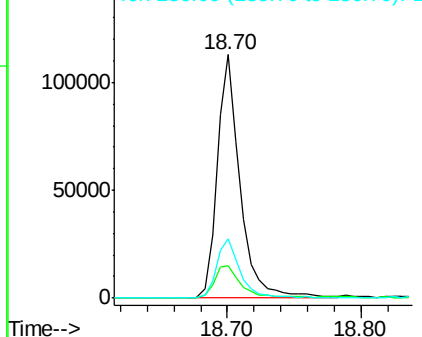
Tgt Ion:	240	Resp:	136196
Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	24.1	20.5	30.7

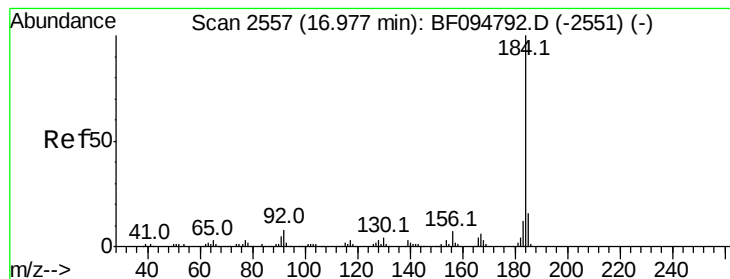


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.78 ng

RT: 17.05 min Scan# 2569

Delta R.T. 0.07 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampled :

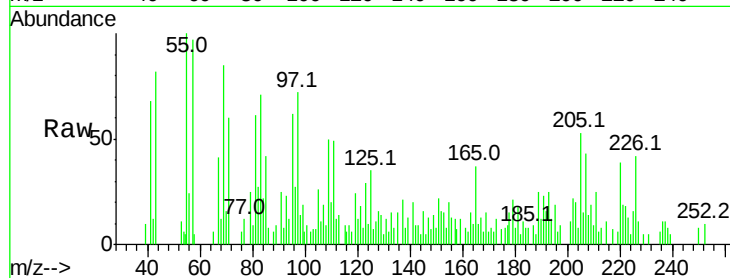
Tot Ion:184 Resp: 818

Ion Ratio Lower Upper

184 100

185 94.2 15.5 23.3#

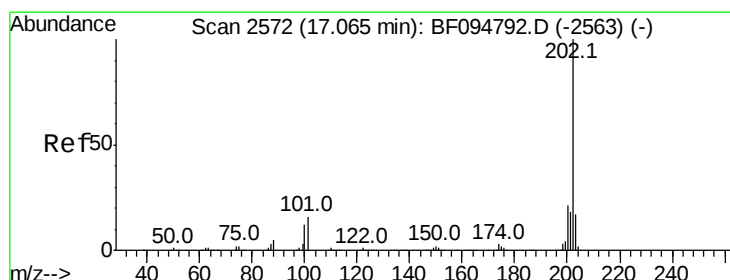
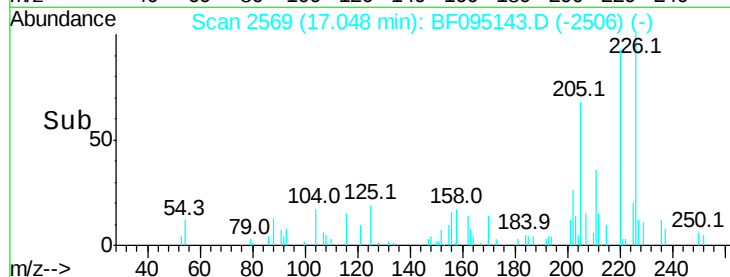
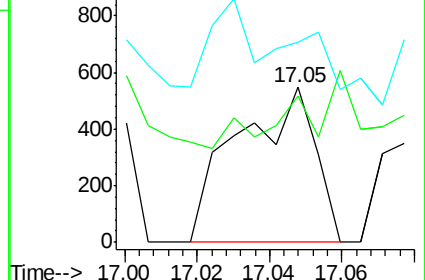
183 128.8 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 5.14 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

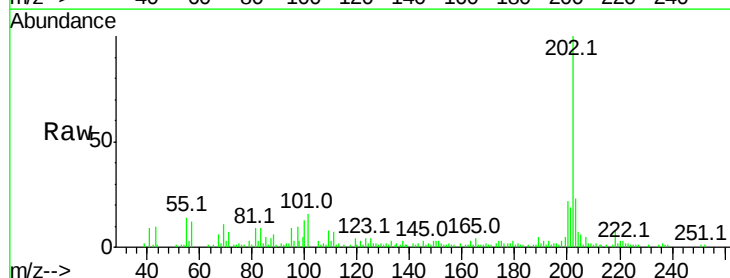
Tgt Ion:202 Resp: 52306

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

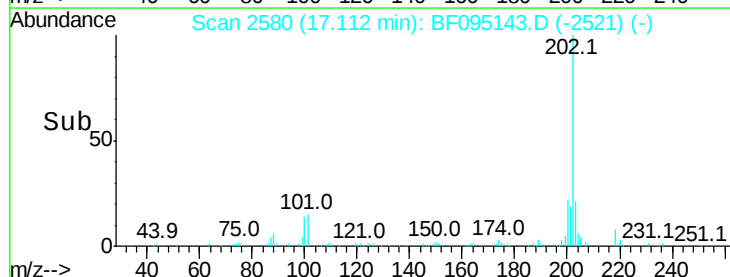
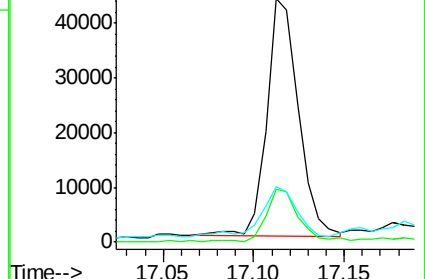
203 22.6 14.4 21.6#

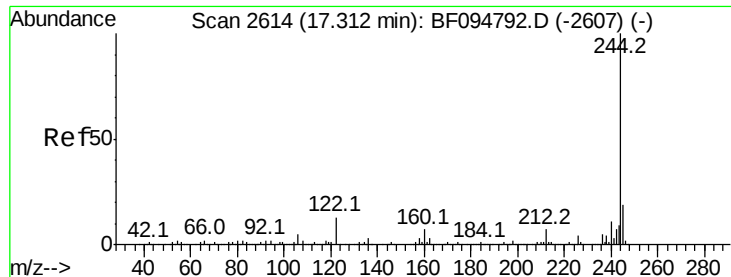


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.52 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

Instrument :

BNA_F

ClientSampleId :

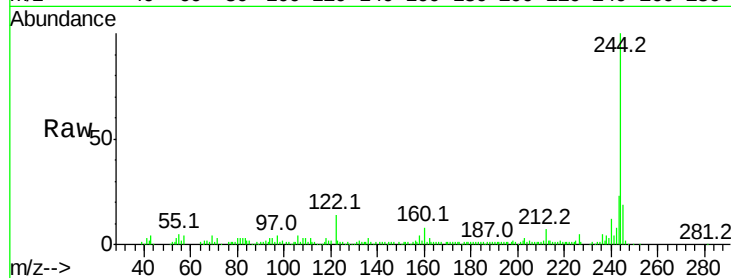
Tot Ion:244 Resp: 120692

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

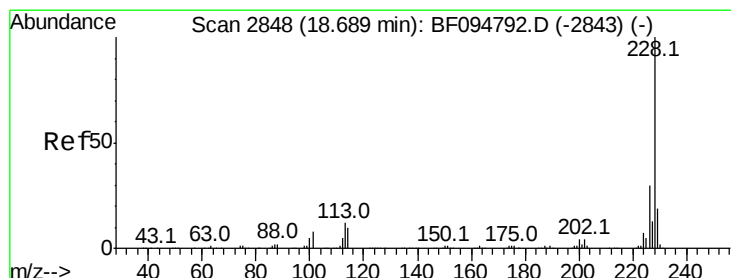
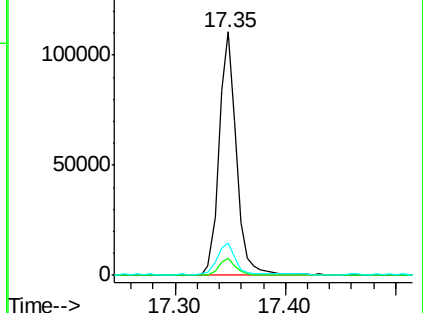
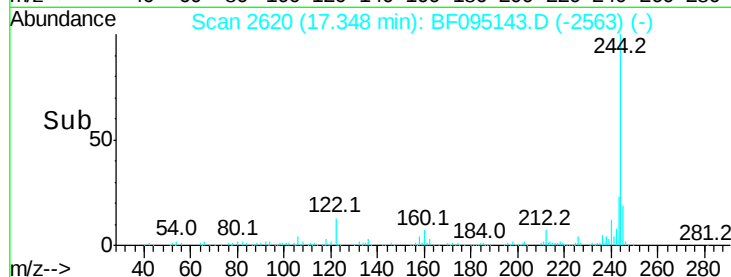
122 13.5 10.3 15.5



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



#82

Chrysene

Concen: 2.27 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BF095143.D

Acq: 16 May 2017 00:36

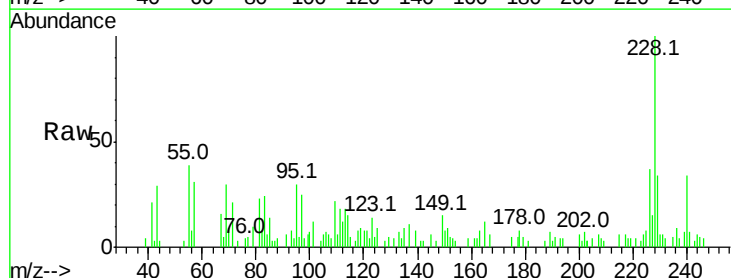
Tgt Ion:228 Resp: 17369

Ion Ratio Lower Upper

228 100

226 36.7 24.9 37.3

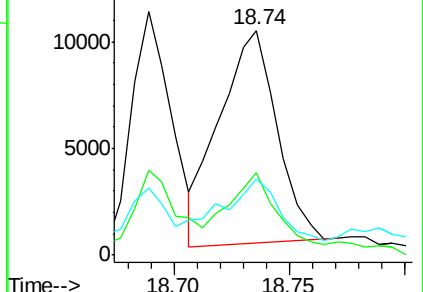
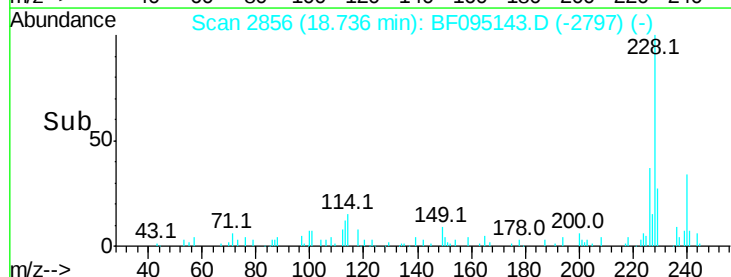
229 33.8 15.8 23.6#

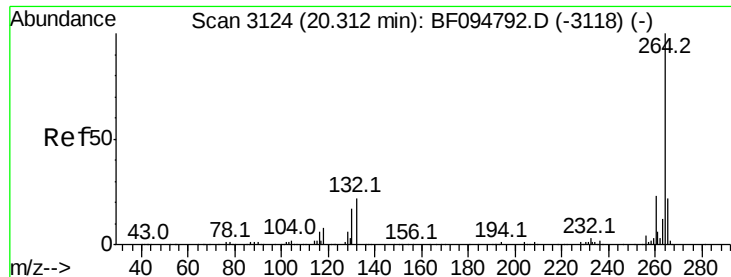


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



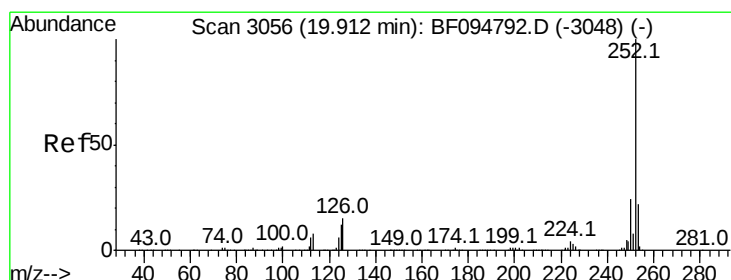
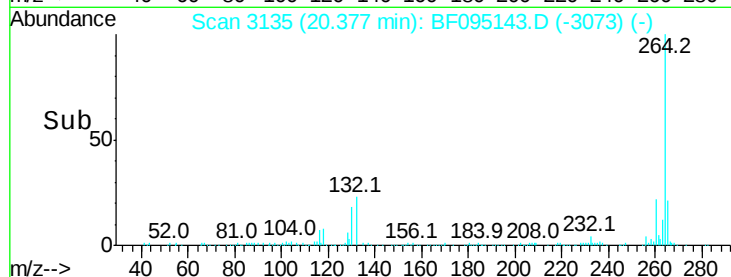
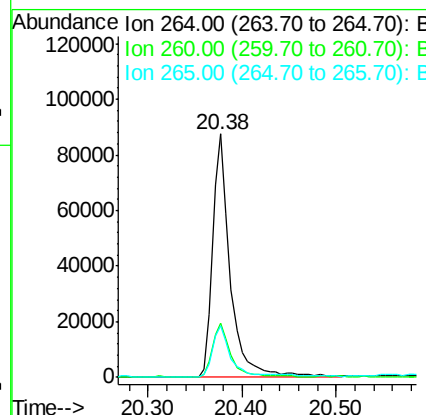
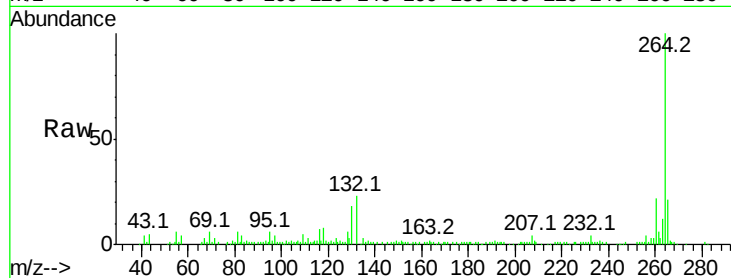


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 116419

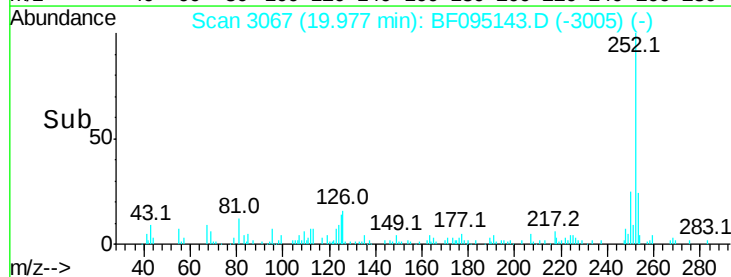
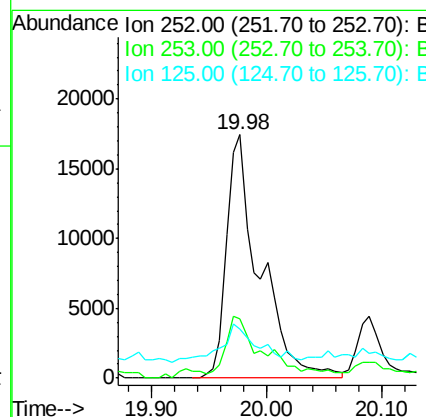
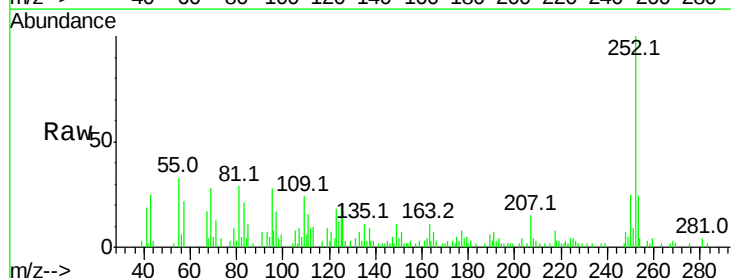
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.5	29.3
265	21.4	17.2	25.8

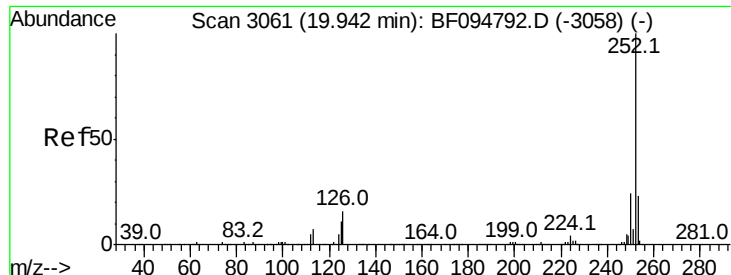


#87
Benzo(b)fluoranthene
Concen: 4.83 ng
RT: 19.98 min Scan# 3067
Delta R.T. 0.06 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Tgt Ion:252 Resp: 34748

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	20.2	9.8	14.8

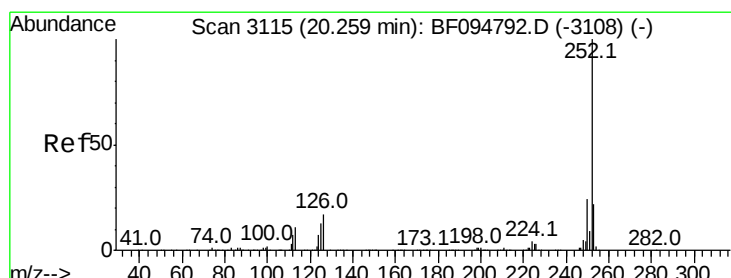
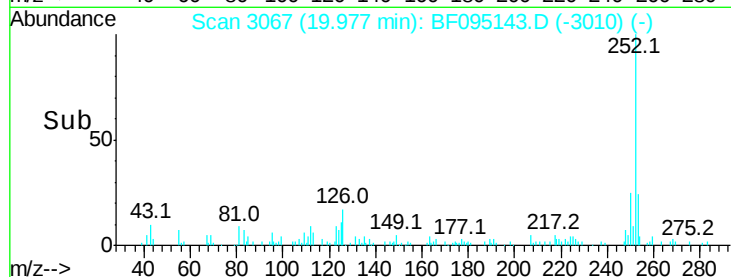
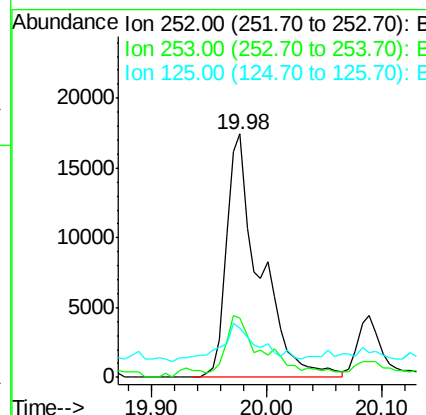
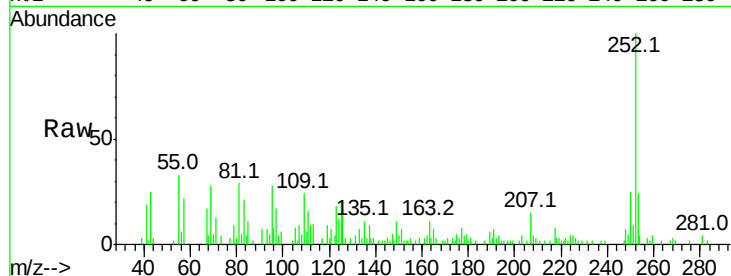




#88
Benzo(k)fluoranthene
Concen: 5.01 ng
RT: 19.98 min Scan# 3067
Delta R.T. 0.04 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 34748
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 20.2 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.19 ng
RT: 20.32 min Scan# 3126
Delta R.T. 0.06 min
Lab File: BF095143.D
Acq: 16 May 2017 00:36

Tgt Ion:252 Resp: 14570
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 25.4 11.0 16.4#

