

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095127.D
 Acq On : 15 May 2017 16:00
 Operator : SJ/MA
 Sample : I3037-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 05:55:32 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	89905	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	331424	20.00	ng	0.05
38) Acenaphthene-d10	12.64	164	157593	20.00	ng	0.06
63) Phenanthrene-d10	15.05	188	255074	20.00	ng	0.06
75) Chrysene-d12	18.71	240	161684	20.00	ng	0.05
86) Perylene-d12	20.38	264	164058	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	531096	98.49	ng	0.07
7) Phenol-d6	7.31	99	645418	99.75	ng	0.04
23) Nitrobenzene-d5	8.68	82	332986	63.36	ng	0.04
41) 2,4,6-Tribromophenol	13.94	330	126758	98.21	ng	0.06
44) 2-Fluorobiphenyl	11.58	172	679299	62.04	ng	0.05
78) Terphenyl-d14	17.35	244	538115	73.31	ng	0.04

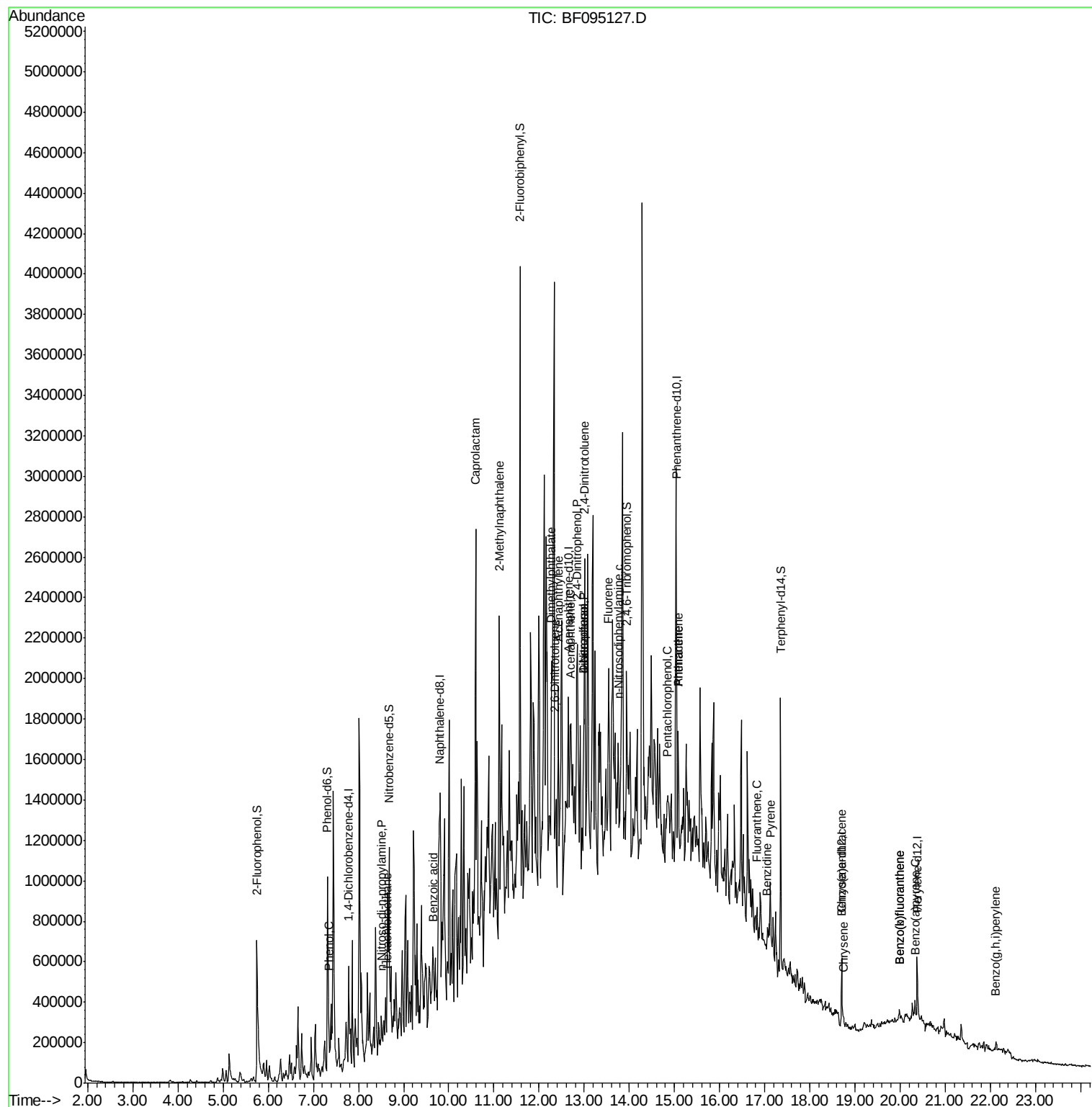
Target Compounds						Qvalue
10) Phenol	7.34	94	14381	2.11	ng	# 56
18) Hexachloroethane	8.62	117	37565	15.71	ng	# 1
19) n-Nitroso-di-n-propylamine	8.51	70	14095	3.22	ng	# 55
32) Benzoic acid	9.67	122	4305	6.30	ng	# 29
35) Caprolactam	10.60	113	71602	52.54	ng	# 78
37) 2-Methylnaphthalene	11.12	142	448017	40.98	ng	96
48) Acenaphthylene	12.43	152	44113	2.63	ng	# 1
49) Dimethylphthalate	12.27	163	87223	6.74	ng	# 96
50) 2,6-Dinitrotoluene	12.35	165	6317	2.39	ng	# 67
51) Acenaphthene	12.70	154	57582	5.74	ng	95
53) 2,4-Dinitrophenol	12.84	184	249	6.40	ng	# 1
54) Dibenzofuran	12.99	168	67200	4.84	ng	# 64
55) 4-Nitrophenol	12.99	139	54325	31.93	ng	# 77
56) 2,4-Dinitrotoluene	13.01	165	22629	6.67	ng	# 55
57) Fluorene	13.54	166	127021	10.53	ng	# 91
65) n-Nitrosodiphenylamine	13.76	169	161845	17.48	ng	# 51
69) Pentachlorophenol	14.84	266	111	5.95	ng	# 22
70) Phenanthrene	15.08	178	345150	23.55	ng	96
71) Anthracene	15.08	178	345150	23.06	ng	97
74) Fluoranthene	16.82	202	69993	4.66	ng	96
76) Benzidine	17.04	184	1481	6.88	ng	# 1
77) Pyrene	17.12	202	185425	15.33	ng	97
80) Benzo(a)anthracene	18.69	228	20072	2.13	ng	# 79
82) Chrysene	18.74	228	24208	2.66	ng	# 85
87) Benzo(b)fluoranthene	19.99	252	33668	3.32	ng	# 76
88) Benzo(k)fluoranthene	19.99	252	33668	3.44	ng	# 79
89) Benzo(a)pyrene	20.33	252	33863	3.62	ng	# 82
91) Benzo(g,h,i)perylene	22.12	276	50466	6.66	ng	97

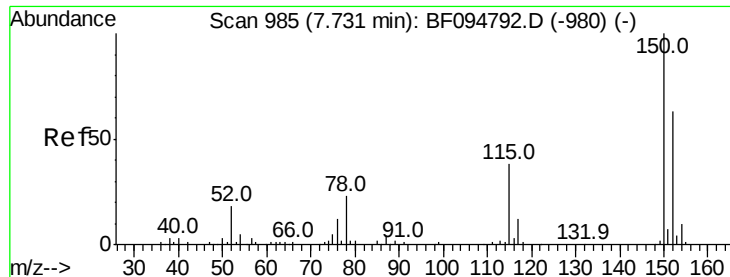
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 994

Delta R.T. 0.05 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampled :

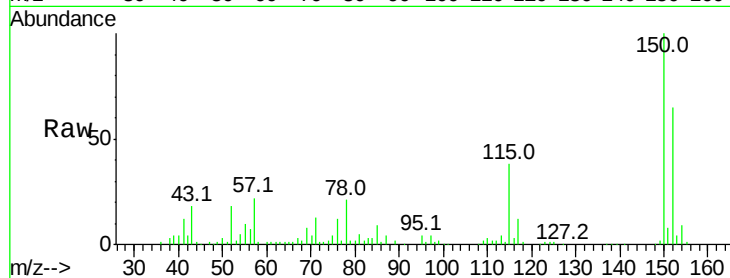
Tot Ion:152 Resp: 89905

Ion Ratio Lower Upper

152 100

150 154.4 126.2 189.2

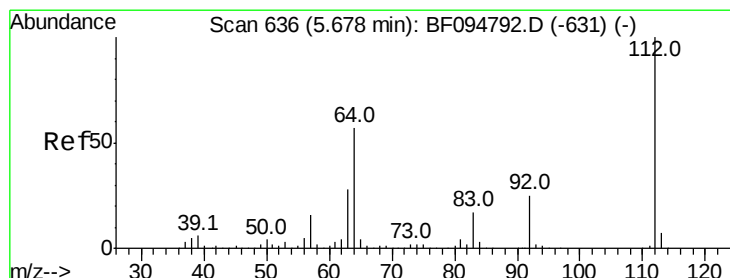
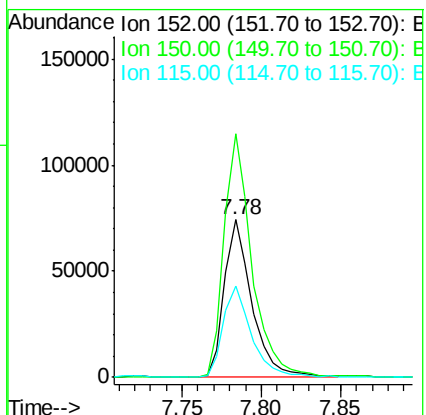
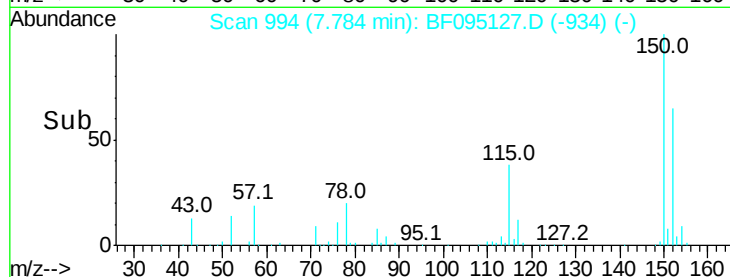
115 58.0 52.2 78.2



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: 98.49 ng

RT: 5.75 min Scan# 648

Delta R.T. 0.07 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

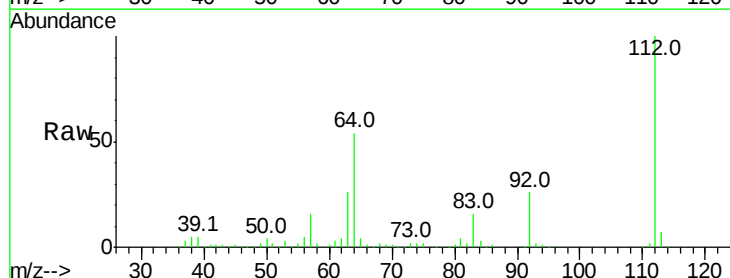
Tgt Ion:112 Resp: 531096

Ion Ratio Lower Upper

112 100

64 54.0 46.0 69.0

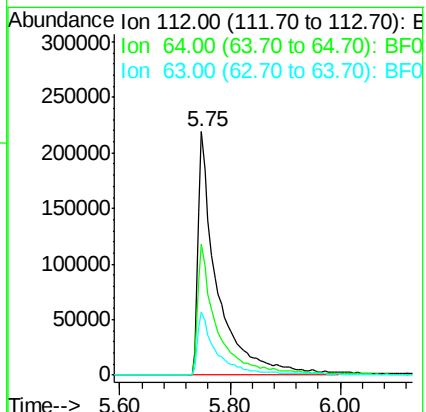
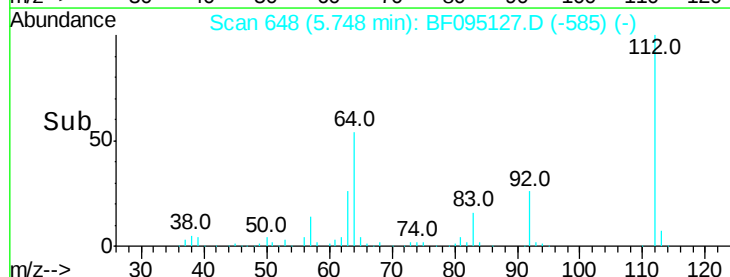
63 26.1 23.4 35.0

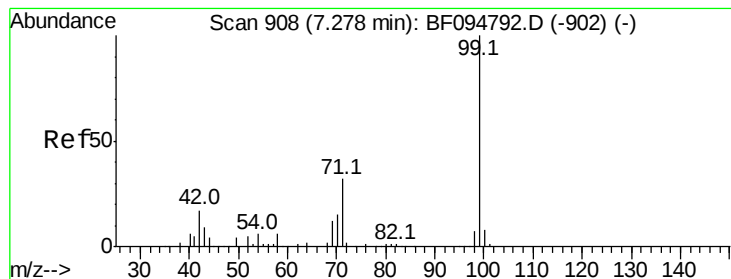


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.75 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampled :

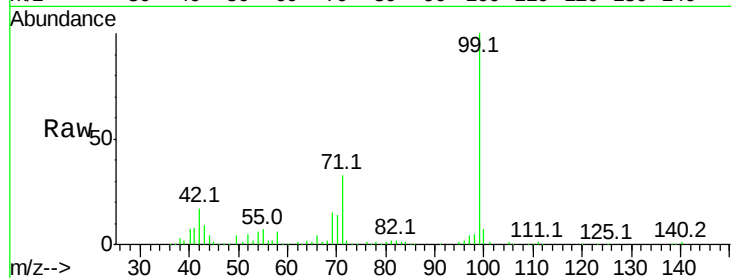
Tot Ion: 99 Resp: 645418

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

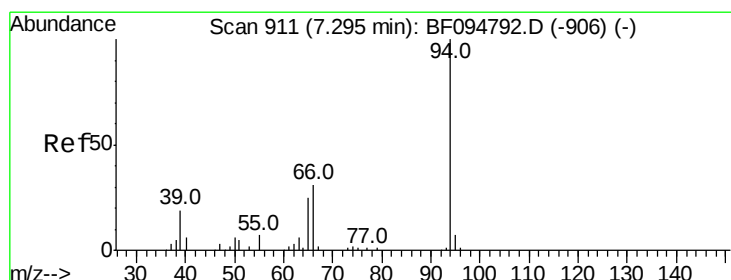
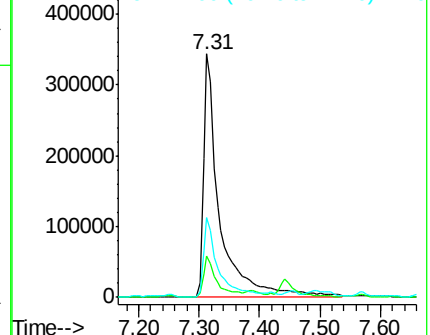
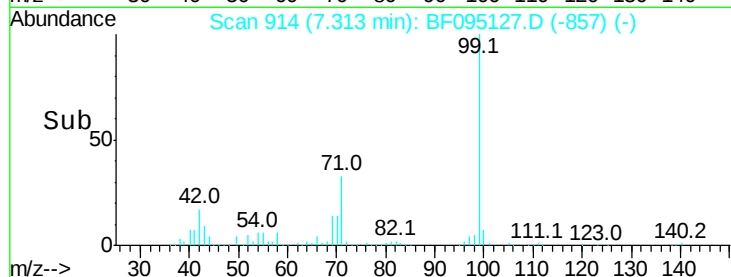
71 32.9 24.5 36.7



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



#10

Phenol

Concen: 2.11 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.05 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

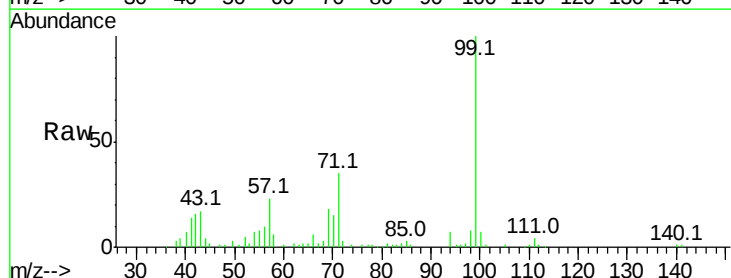
Tgt Ion: 94 Resp: 14381

Ion Ratio Lower Upper

94 100

65 32.8 9.9 49.9

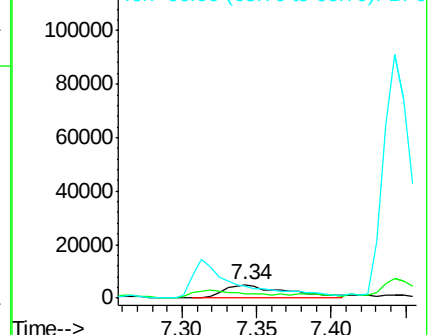
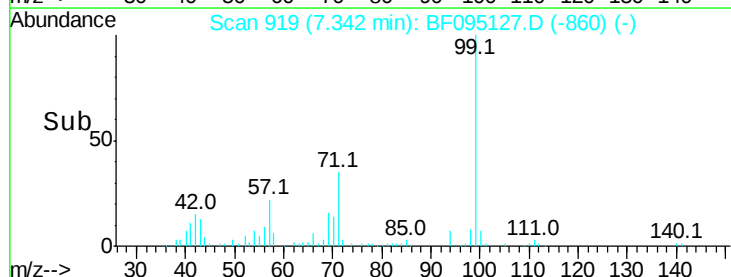
66 88.2 23.1 63.1#

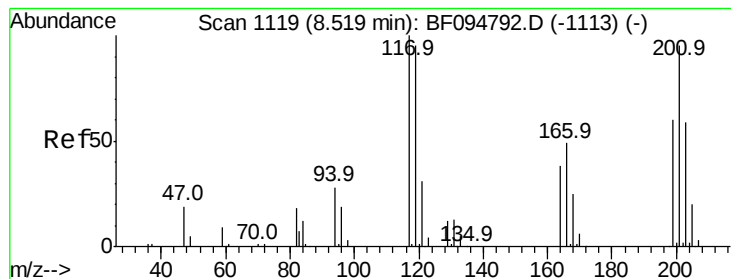


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 15.71 ng

RT: 8.62 min Scan# 1137

Delta R.T. 0.11 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampled :

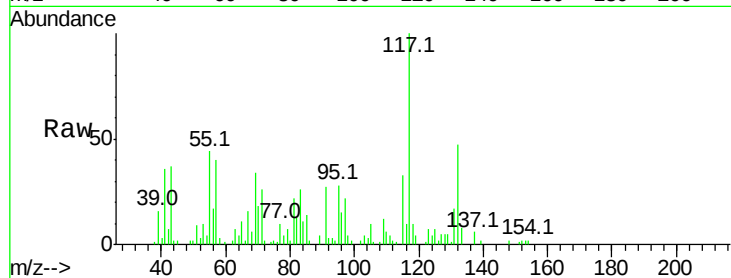
Tot Ion:117 Resp: 37565

Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.0#

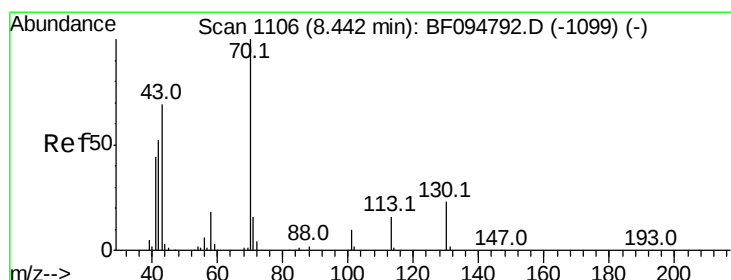
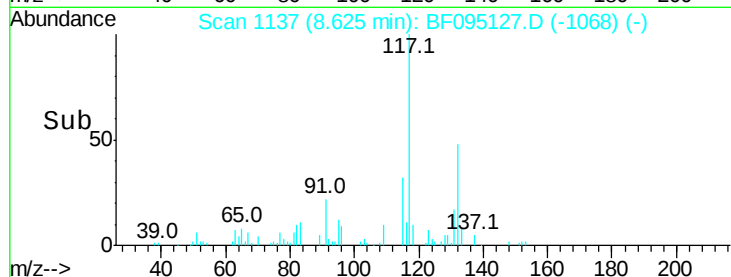
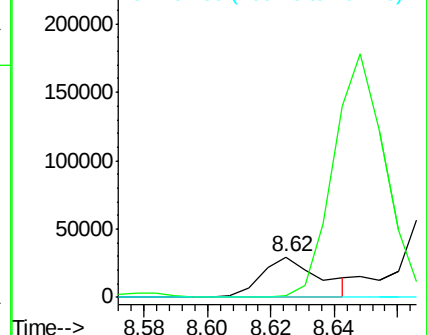
201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 3.22 ng

RT: 8.51 min Scan# 1117

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Tgt Ion: 70 Resp: 14095

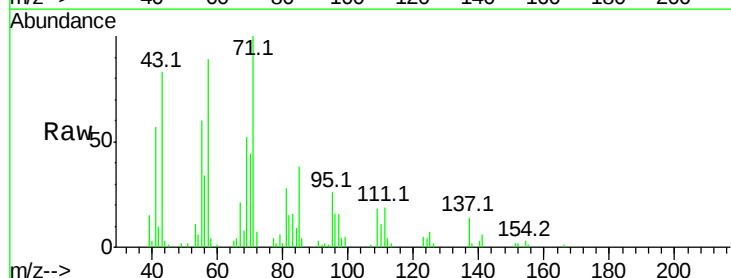
Ion Ratio Lower Upper

70 100

42 23.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

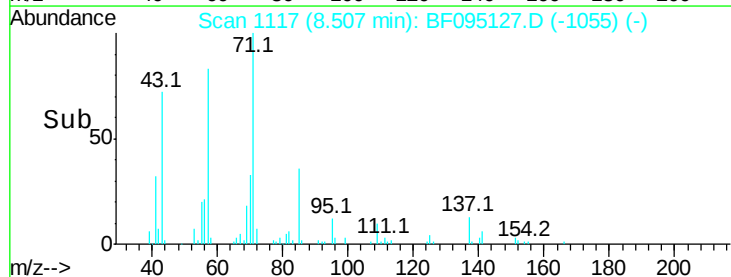
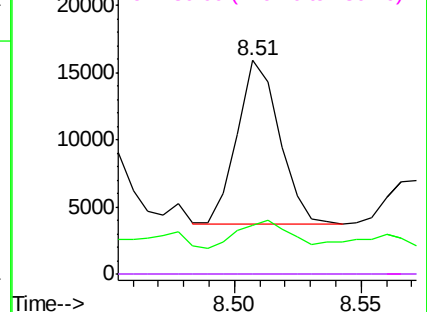


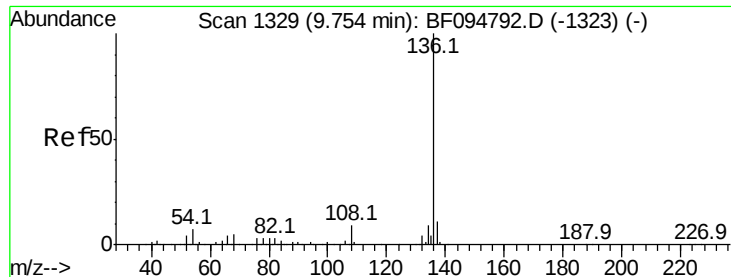
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

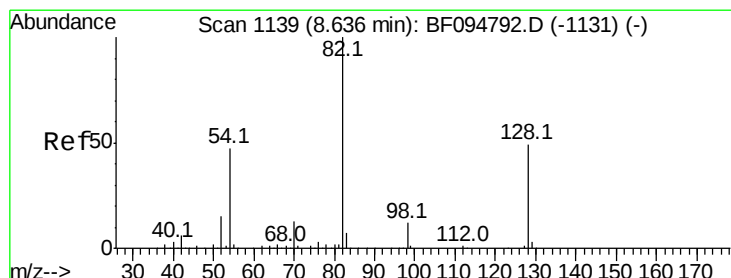
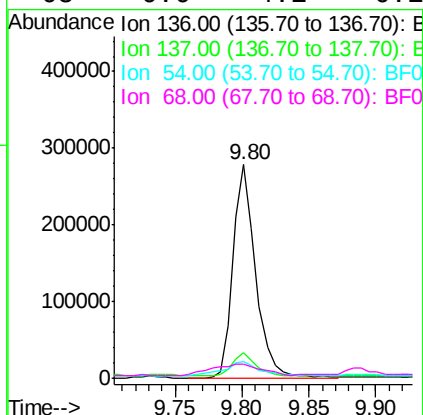
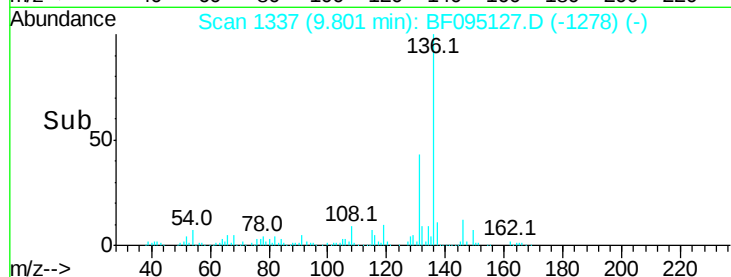
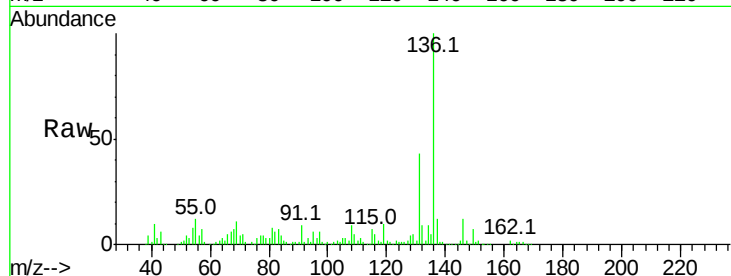




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.80 min Scan# 1337
Delta R.T. 0.05 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

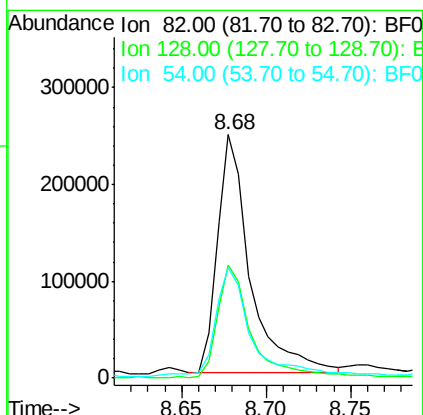
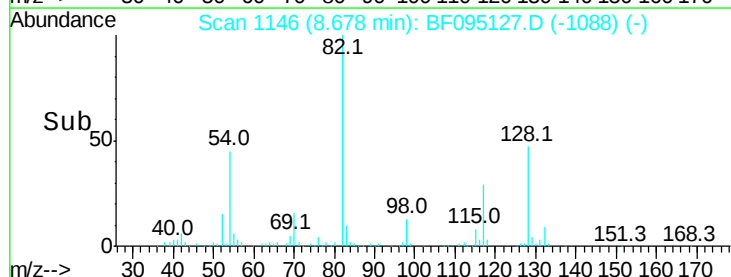
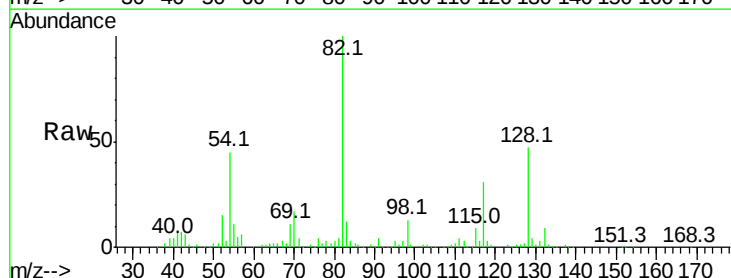
Instrument :
BNA_F
ClientSampleId :

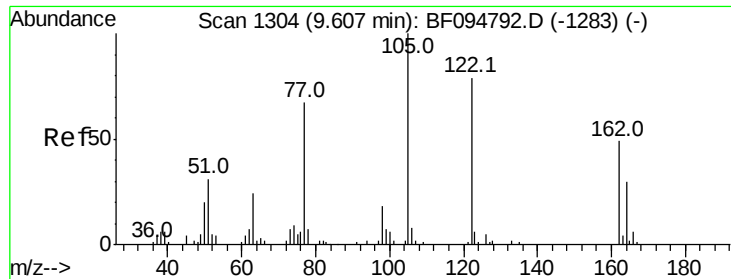
Tot Ion:136	Resp:	331424
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.5	12.7
54 7.8	4.9	7.3#
68 6.6	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 63.36 ng
RT: 8.68 min Scan# 1146
Delta R.T. 0.04 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

Tgt Ion: 82	Resp:	332986
Ion Ratio	Lower	Upper
82 100		
128 46.7	34.0	51.0
54 45.2	42.2	63.2





#32

Benzoic acid

Concen: 6.30 ng

RT: 9.67 min Scan# 1314

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

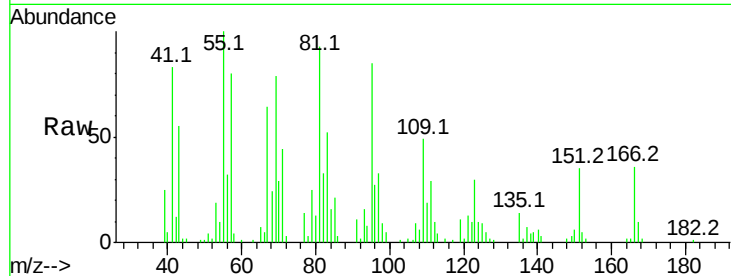
Tot Ion:122 Resp: 4305

Ion Ratio Lower Upper

122 100

105 23.0 103.3 143.3#

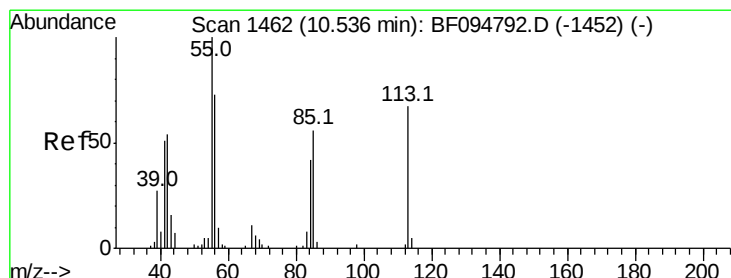
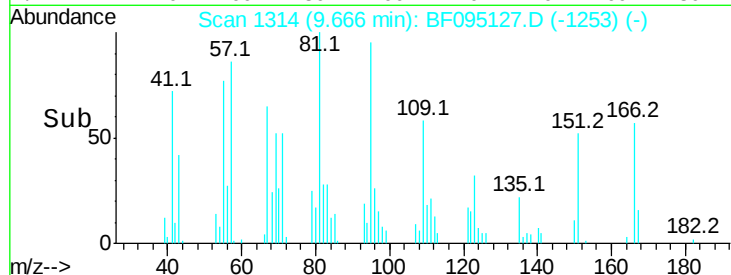
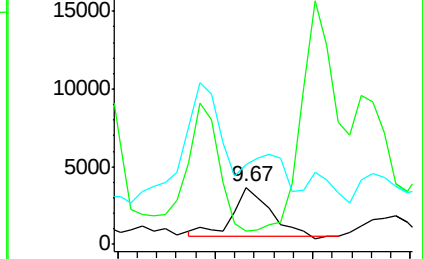
77 139.8 73.7 113.7#



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: 52.54 ng

RT: 10.60 min Scan# 1473

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

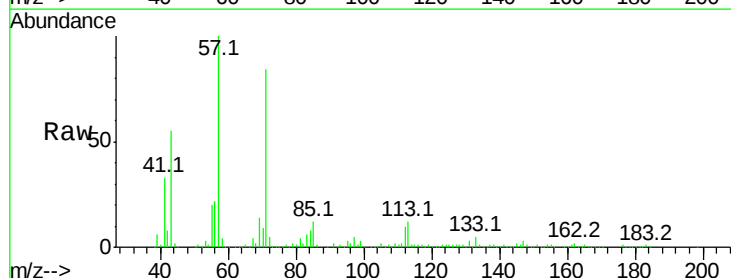
Tgt Ion:113 Resp: 71602

Ion Ratio Lower Upper

113 100

55 170.0 150.2 190.2

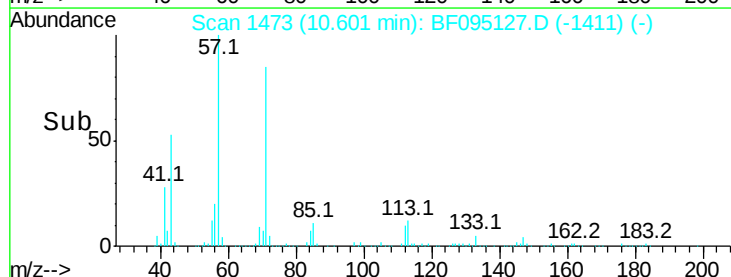
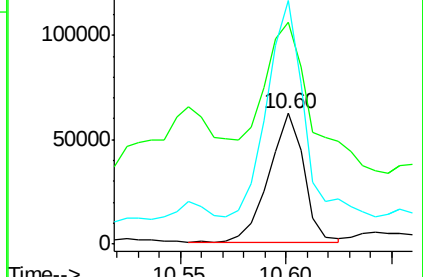
56 186.1 107.8 147.8#

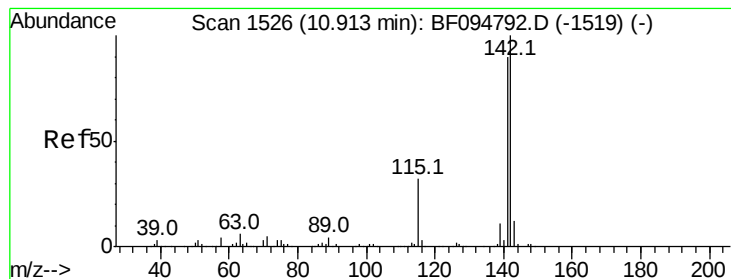


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 40.98 ng

RT: 11.12 min Scan# 1561

Delta R.T. 0.21 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampled :

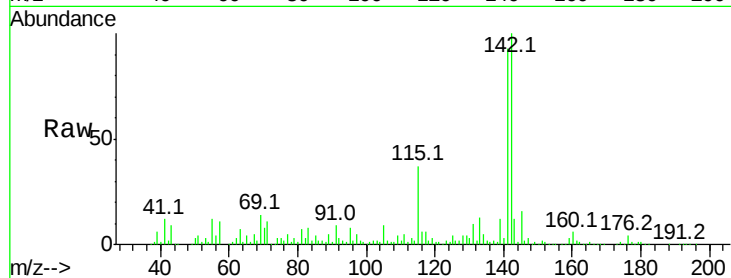
Tot Ion:142 Resp: 448017

Ion Ratio Lower Upper

142 100

141 92.6 71.3 106.9

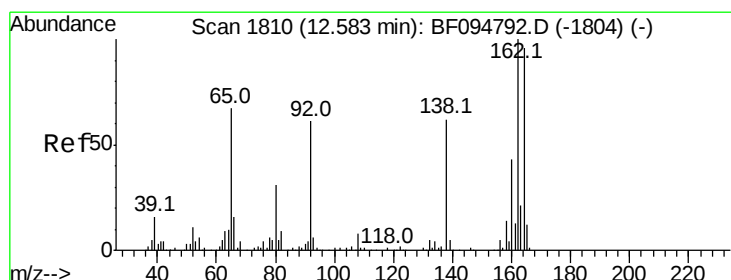
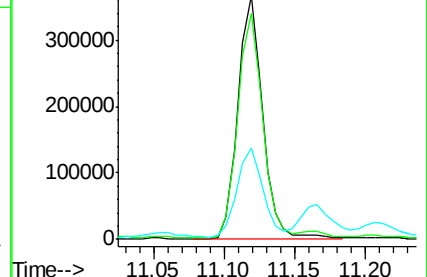
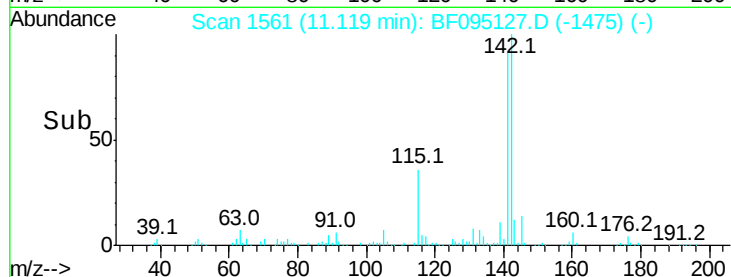
115 37.3 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.64 min Scan# 1820

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

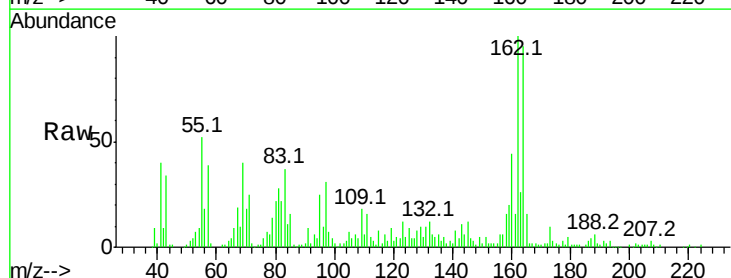
Tgt Ion:164 Resp: 157593

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

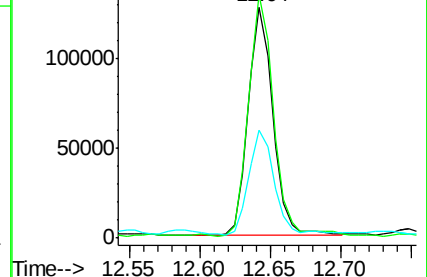
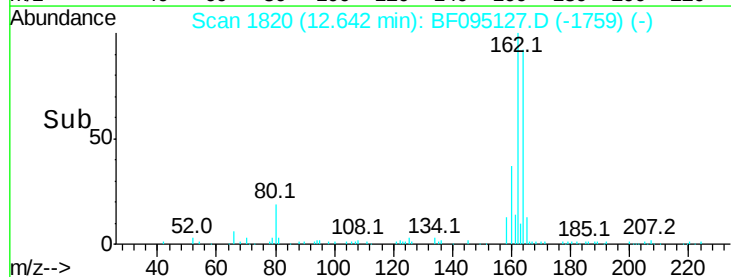
160 46.8 36.2 54.2

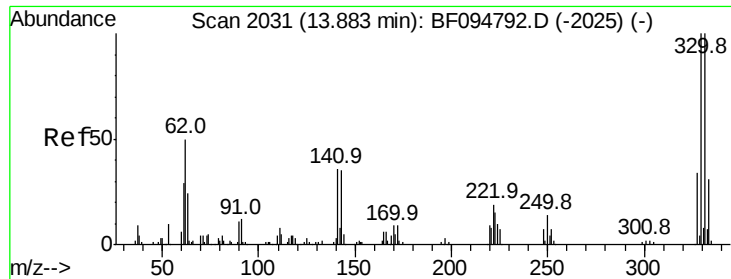


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

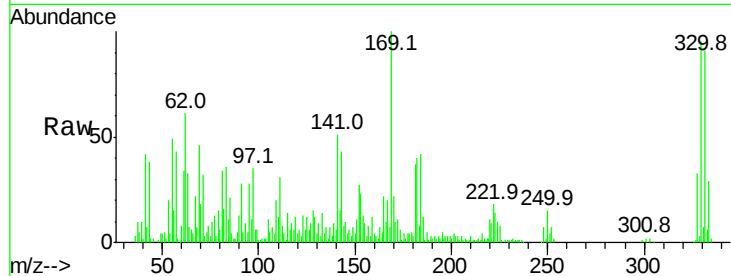




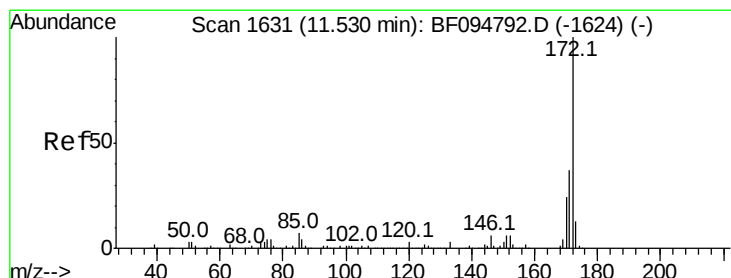
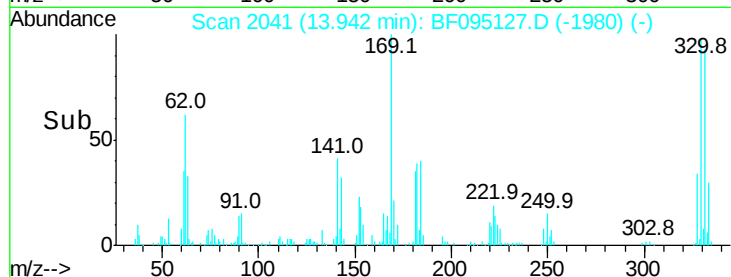
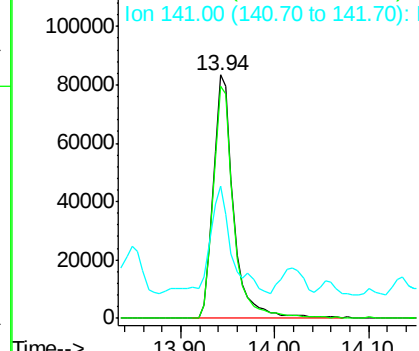
#41
 2,4,6-Tribromophenol
 Concen: 98.21 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.06 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 126758
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 47.1 31.4 47.2

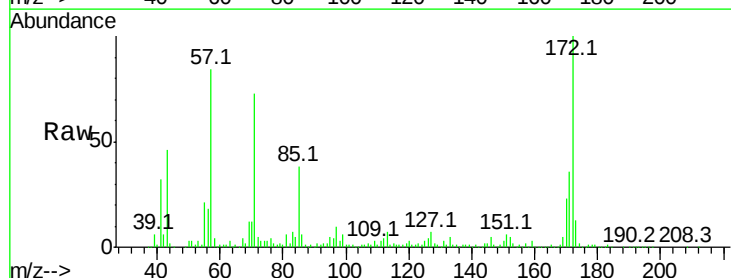


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

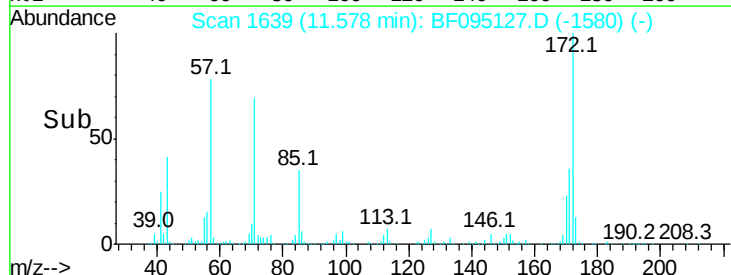
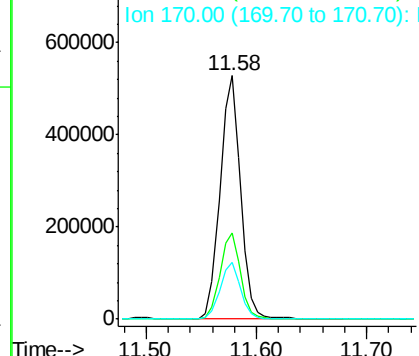


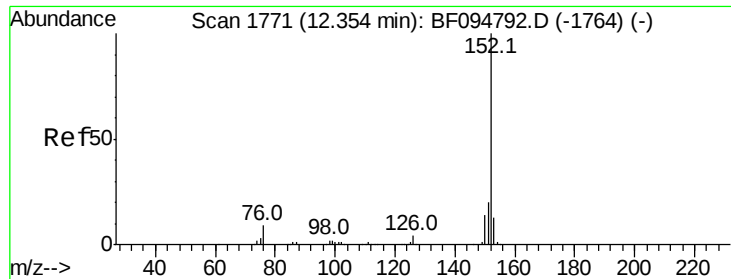
#44
 2-Fluorobiphenyl
 Concen: 62.04 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

Tgt Ion:172 Resp: 679299
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.3 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





#48

Acenaphthylene

Concen: 2.63 ng

RT: 12.43 min Scan# 1784

Delta R.T. 0.08 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

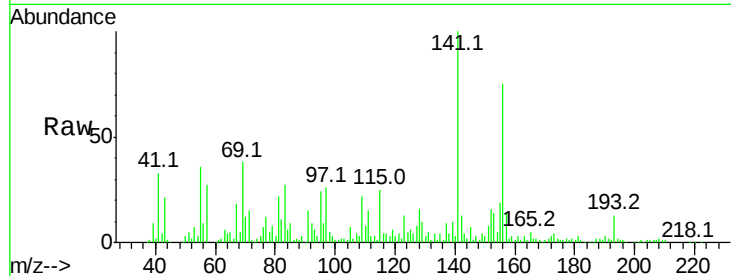
Tot Ion:152 Resp: 44113

Ion Ratio Lower Upper

152 100

151 48.8 16.8 25.2#

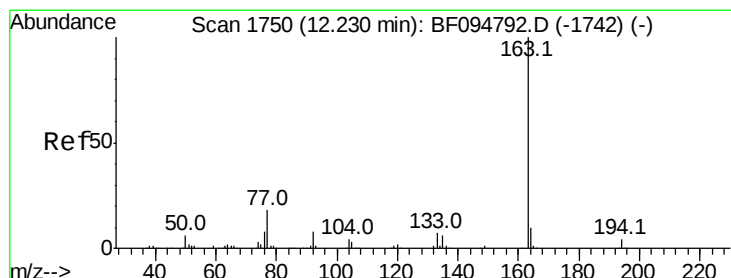
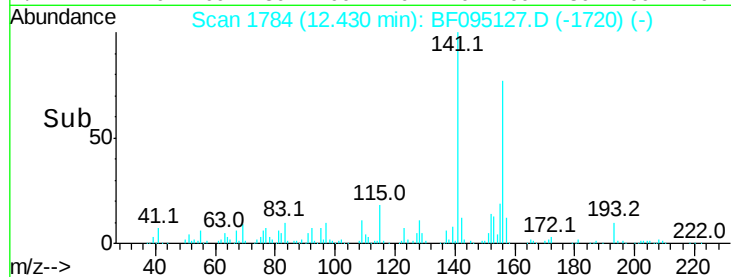
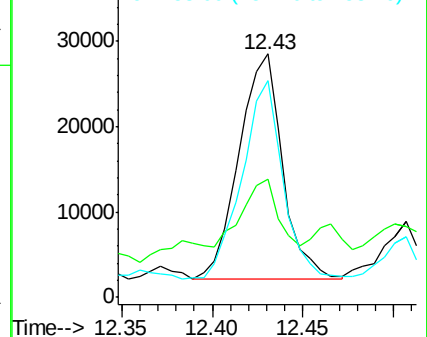
153 88.8 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.74 ng

RT: 12.27 min Scan# 1757

Delta R.T. 0.04 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

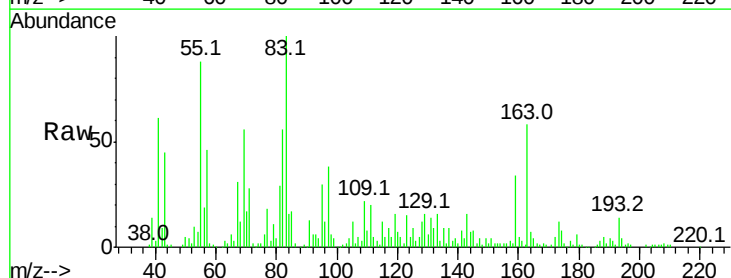
Tgt Ion:163 Resp: 87223

Ion Ratio Lower Upper

163 100

194 7.3 2.6 4.0#

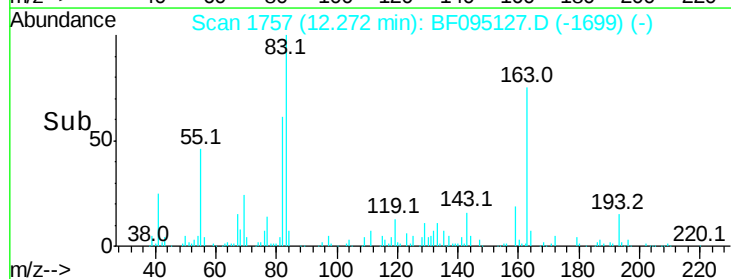
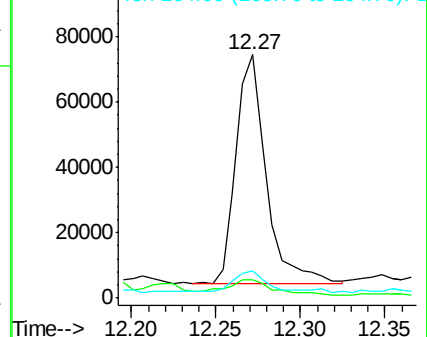
164 11.3 8.4 12.6

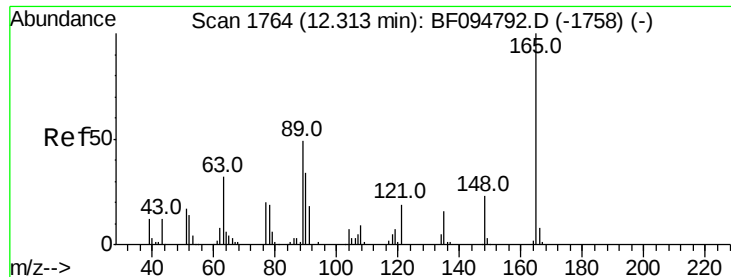


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

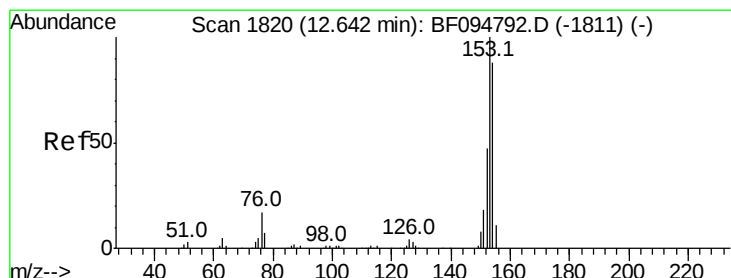
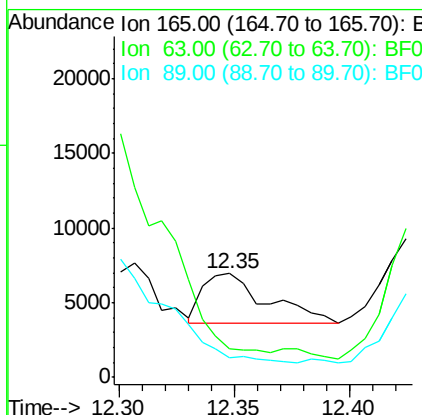
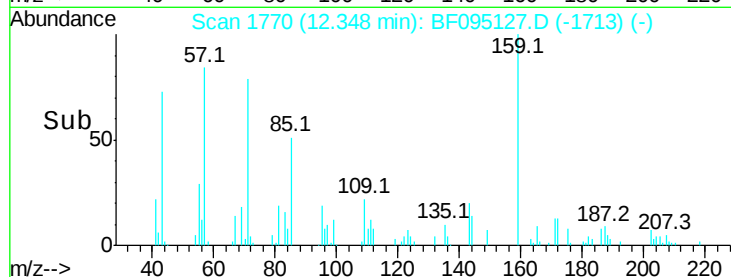
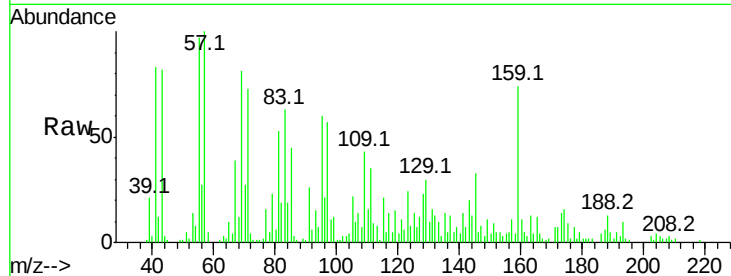




#50
 2,6-Dinitrotoluene
 Concen: 2.39 ng
 RT: 12.35 min Scan# 1770
 Delta R.T. 0.04 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

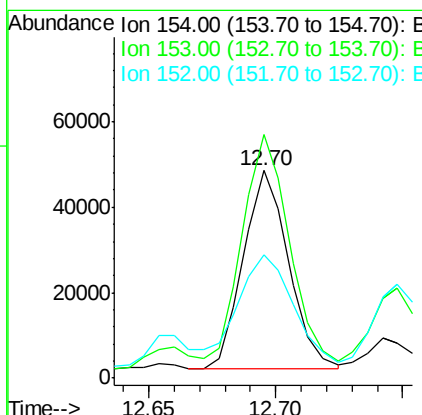
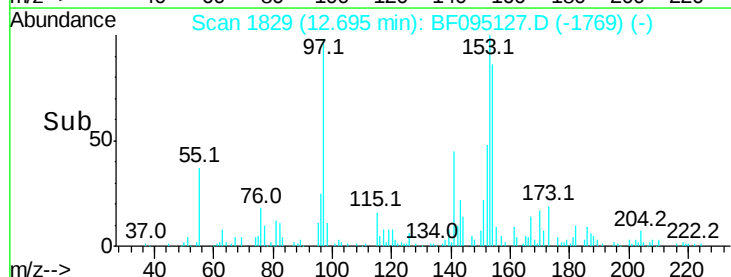
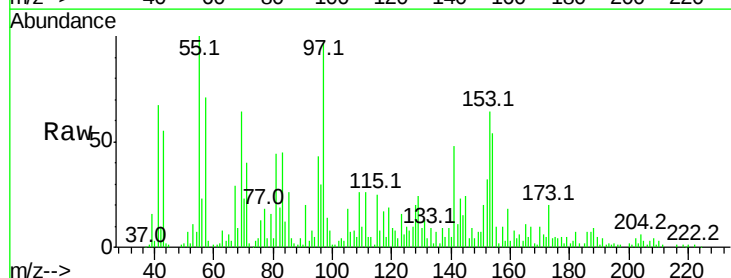
Instrument :
 BNA_F
 ClientSampleId :

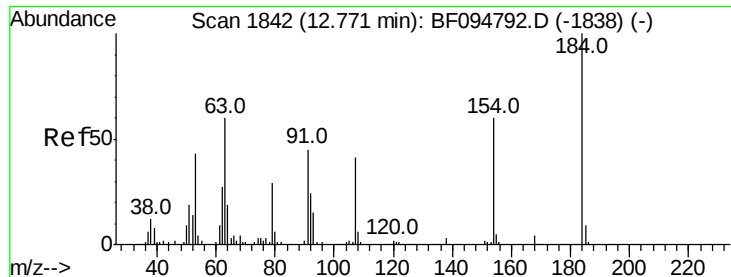
Tot Ion:165 Resp: 6317
 Ion Ratio Lower Upper
 165 100
 63 27.3 34.3 51.5#
 89 19.2 37.1 55.7#



#51
 Acenaphthene
 Concen: 5.74 ng
 RT: 12.70 min Scan# 1829
 Delta R.T. 0.05 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

Tgt Ion:154 Resp: 57582
 Ion Ratio Lower Upper
 154 100
 153 117.5 90.5 135.7
 152 59.4 43.6 65.4





#53

2,4-Dinitrophenol

Concen: 6.40 ng

RT: 12.84 min Scan# 1854

Delta R.T. 0.07 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

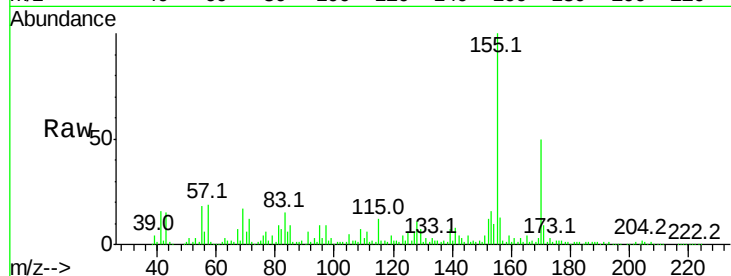
Tot Ion:184 Resp: 249

Ion Ratio Lower Upper

184 100

63 2948.2 62.7 94.1#

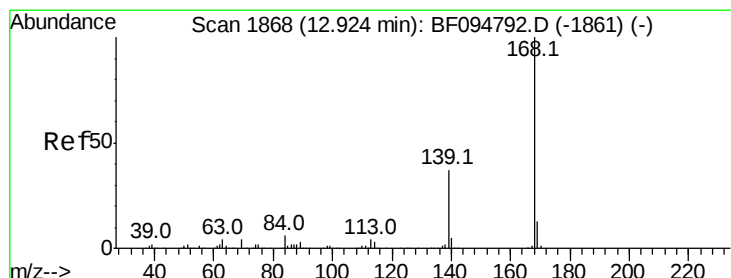
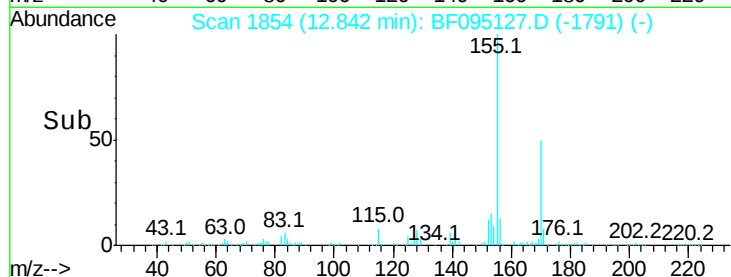
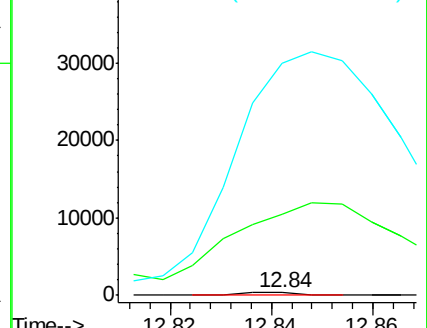
154 8448.5 81.1 121.7#



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



#54

Dibenzofuran

Concen: 4.84 ng

RT: 12.99 min Scan# 1879

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

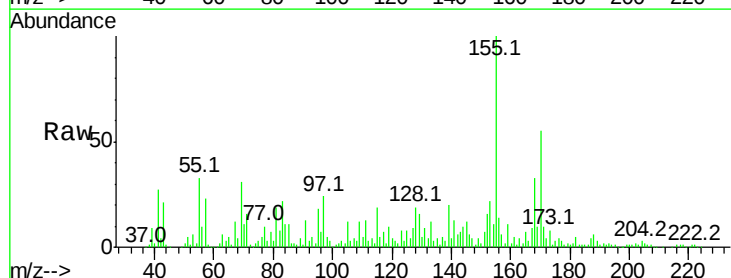
Tgt Ion:168 Resp: 67200

Ion Ratio Lower Upper

168 100

139 59.3 30.6 45.8#

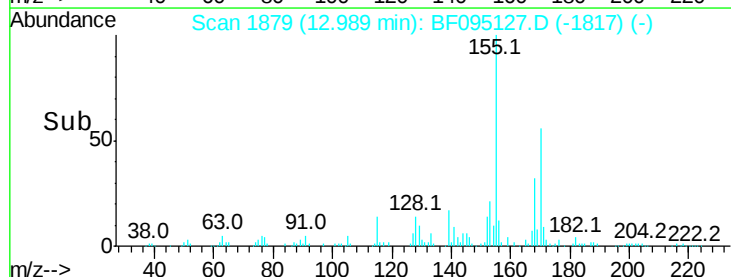
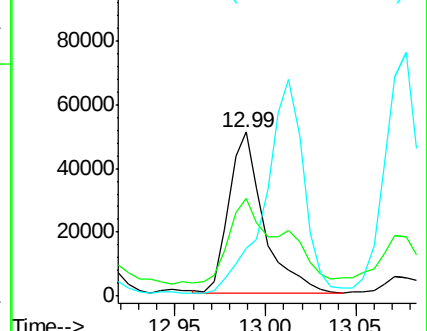
169 29.3 10.8 16.2#

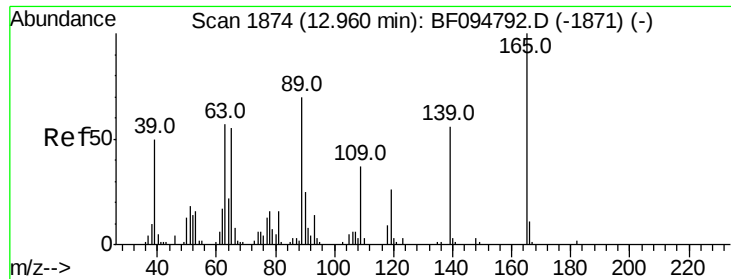


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

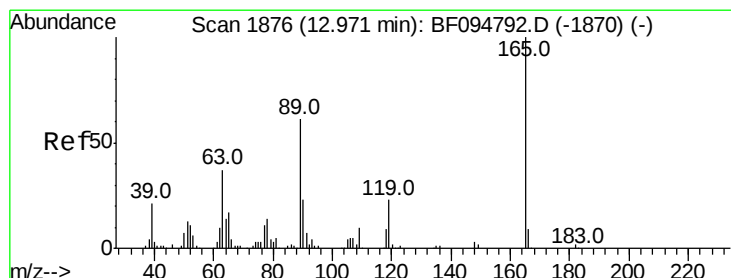
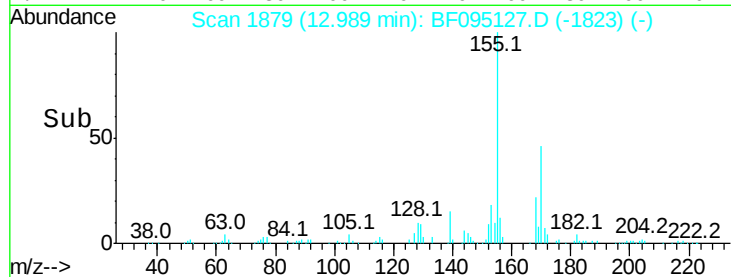
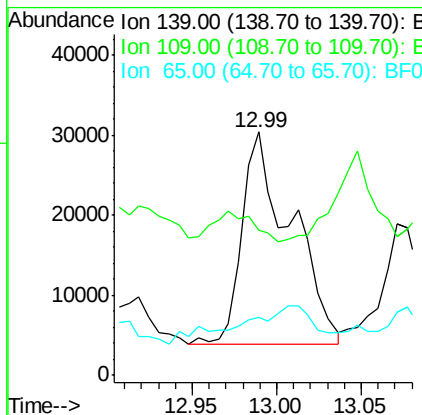
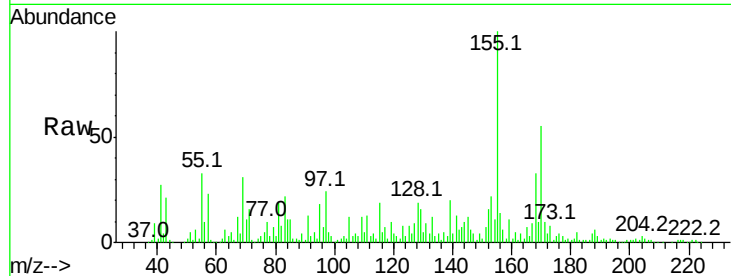




#55
4-Nitrophenol
Concen: 31.93 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.03 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

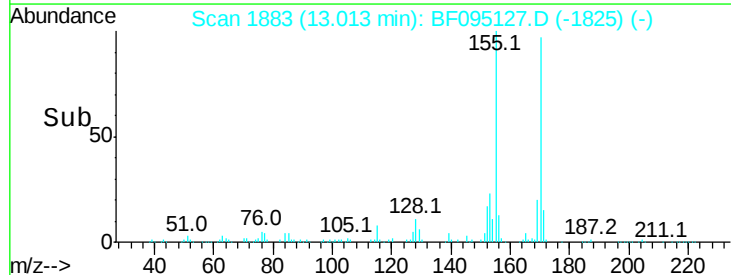
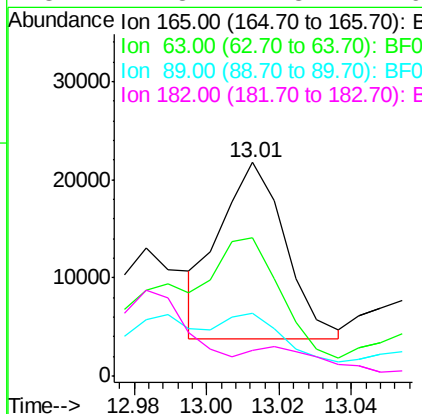
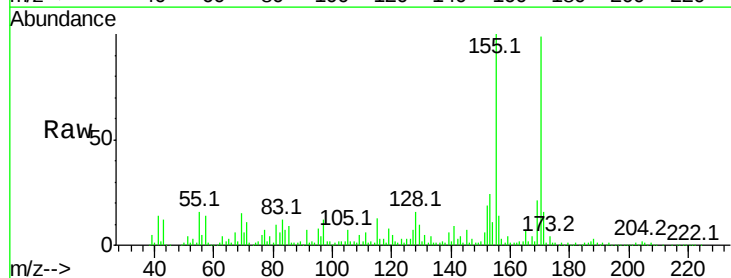
Instrument :
BNA_F
ClientSampleId :

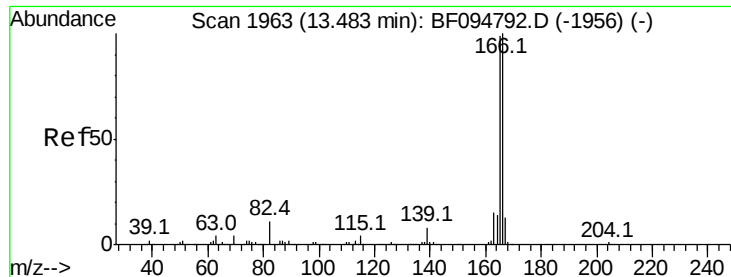
Tot Ion:139 Resp: 54325
Ion Ratio Lower Upper
139 100
109 59.5 34.1 74.1
65 23.7 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 13.01 min Scan# 1883
Delta R.T. 0.04 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

Tgt Ion:165 Resp: 22629
Ion Ratio Lower Upper
165 100
63 64.6 25.4 38.0#
89 29.3 46.4 69.6#
182 11.8 1.8 2.6#

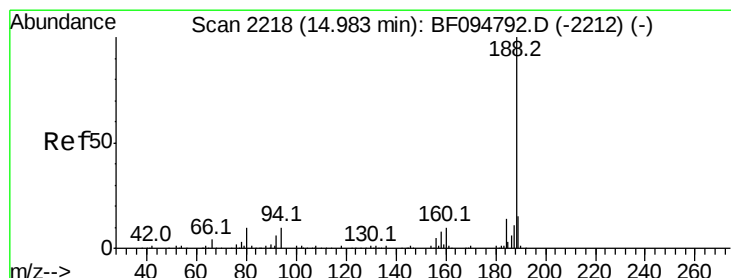
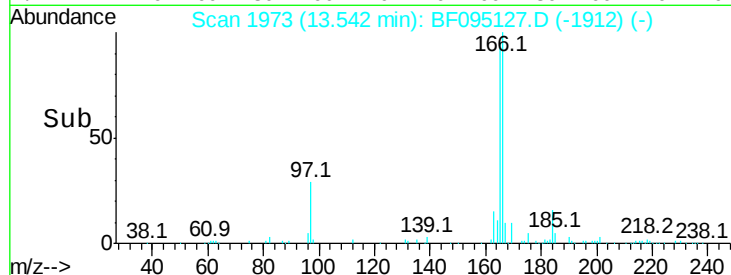
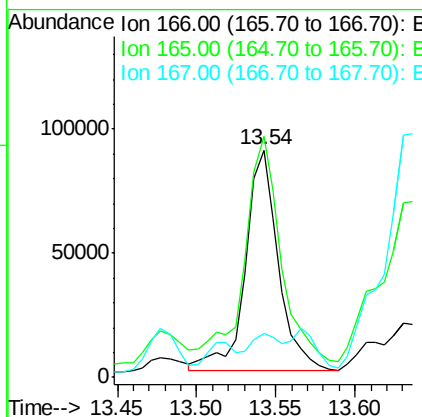
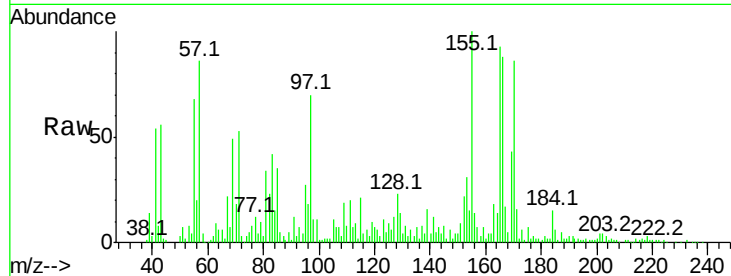




#57
Fluorene
 Concen: 10.53 ng
 RT: 13.54 min Scan# 1973
 Delta R.T. 0.06 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

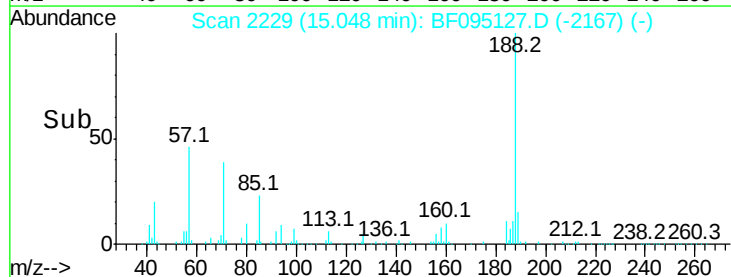
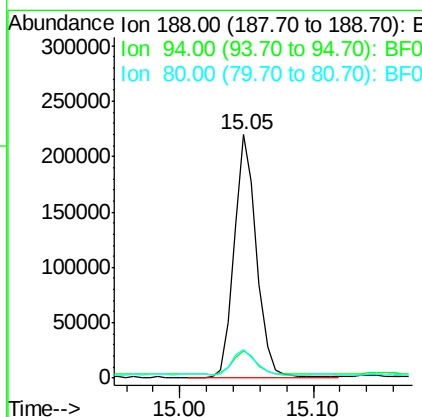
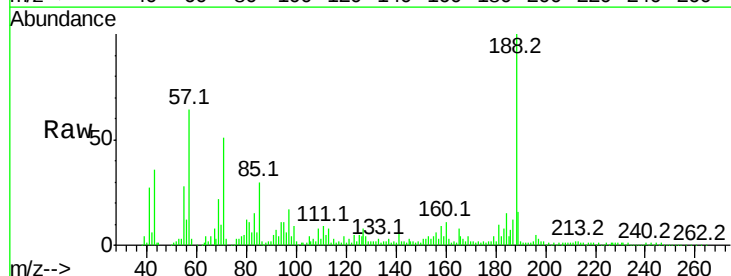
Instrument :
 BNA_F
 ClientSampleId :

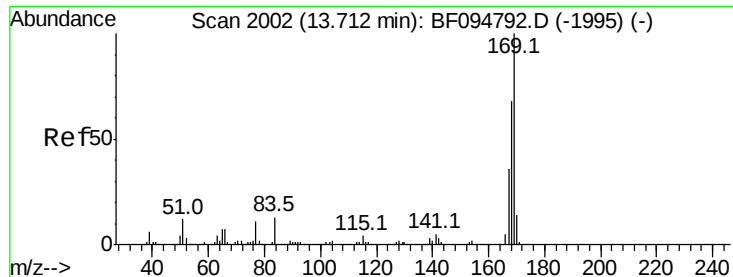
Tot Ion:166 Resp: 127021
 Ion Ratio Lower Upper
 166 100
 165 106.2 78.8 118.2
 167 19.5 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.06 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

Tgt Ion:188 Resp: 255074
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 12.0 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 17.48 ng

RT: 13.76 min Scan# 2010

Delta R.T. 0.05 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

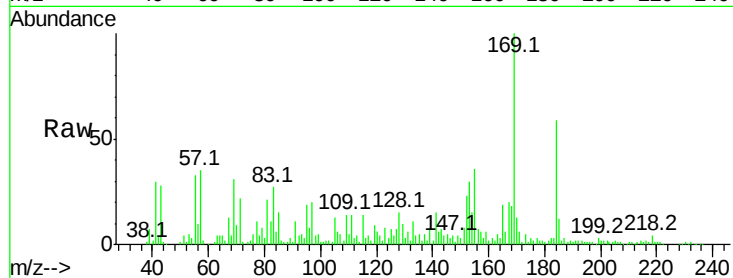
Tot Ion:169 Resp: 161845

Ion Ratio Lower Upper

169 100

168 18.5 53.2 79.8#

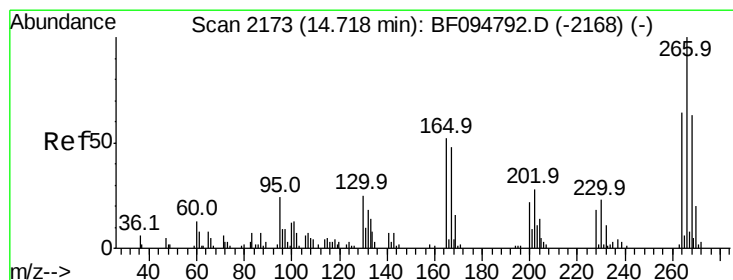
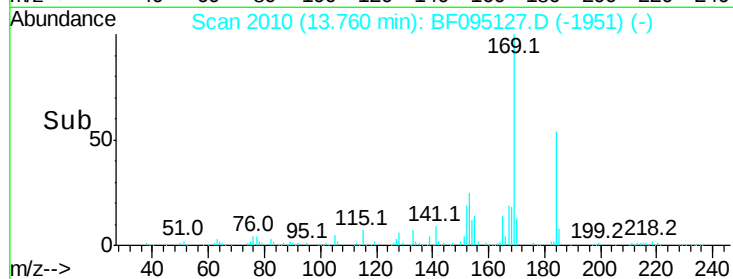
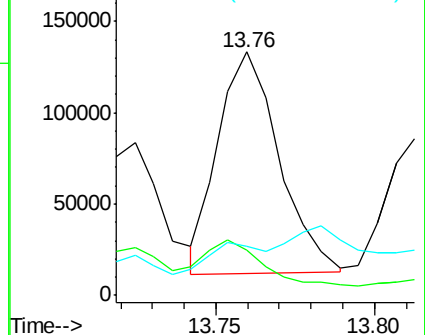
167 20.1 29.5 44.3#



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: 5.95 ng

RT: 14.84 min Scan# 2193

Delta R.T. 0.12 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

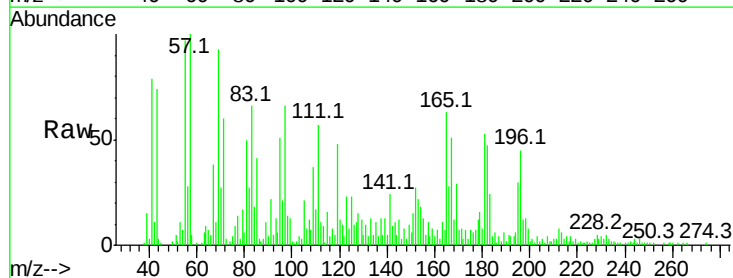
Tgt Ion:266 Resp: 111

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

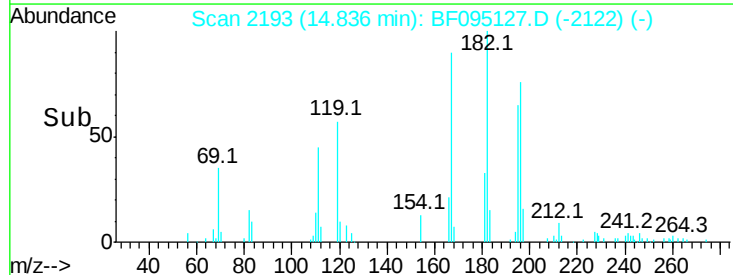
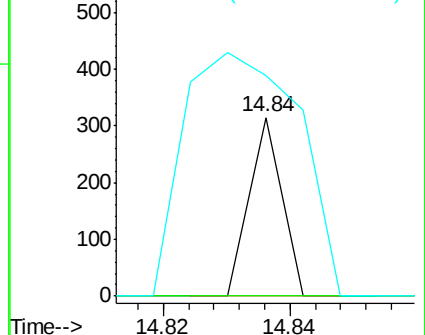
264 123.5 51.7 77.5#

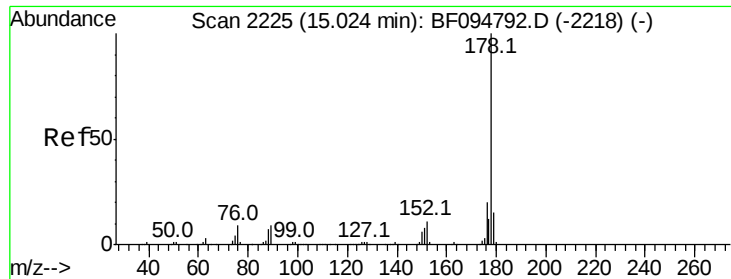


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 23.55 ng

RT: 15.08 min Scan# 2235

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

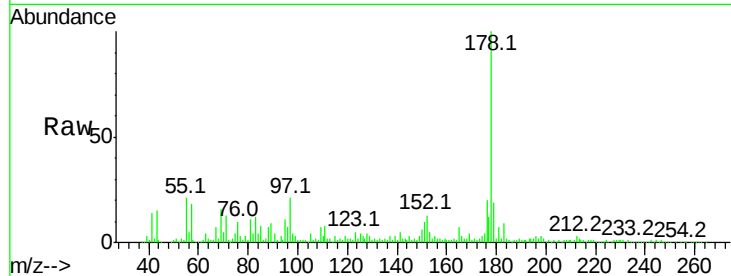
Tot Ion:178 Resp: 345150

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

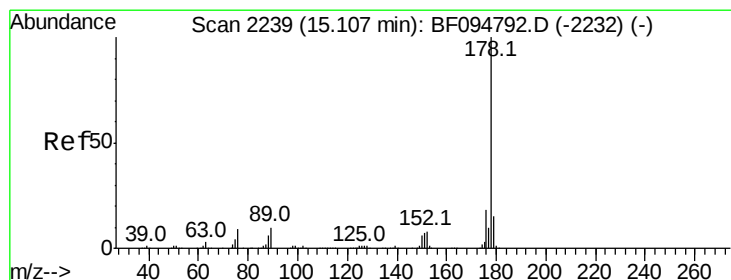
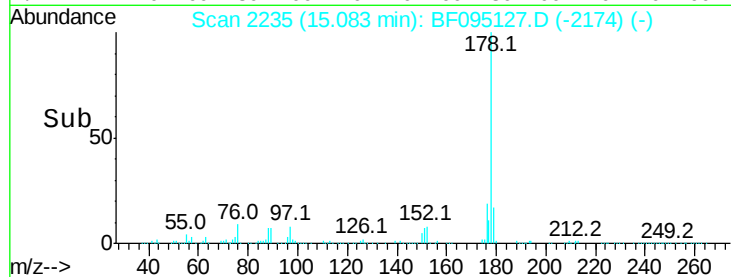
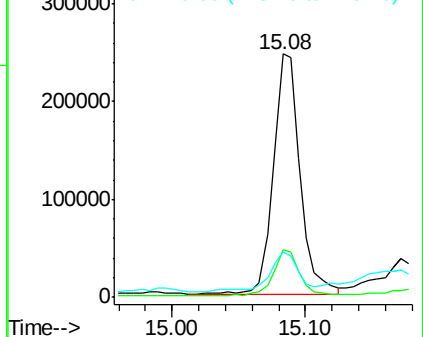
179 18.6 12.6 19.0



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



#71

Anthracene

Concen: 23.06 ng

RT: 15.08 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

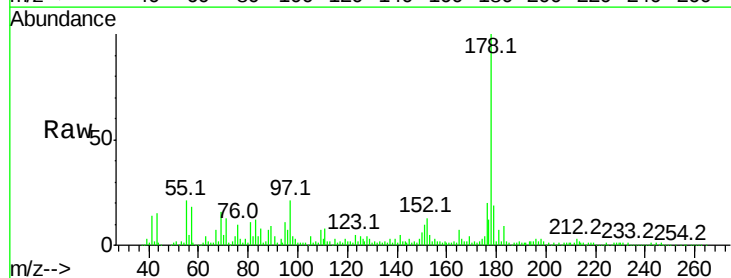
Tgt Ion:178 Resp: 345150

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

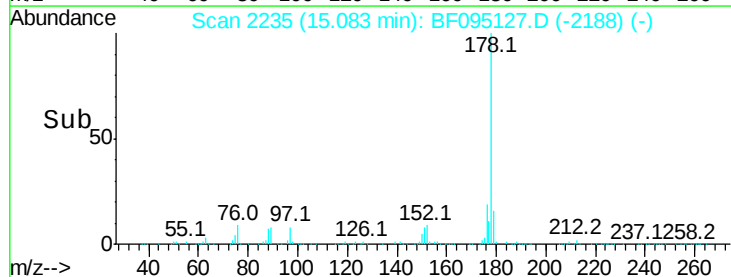
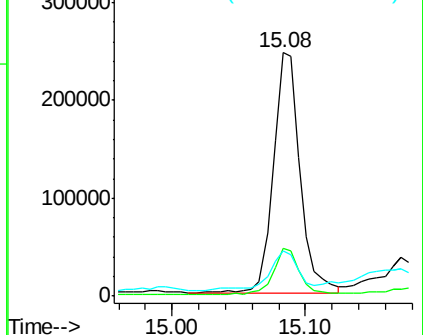
179 18.6 12.7 19.1

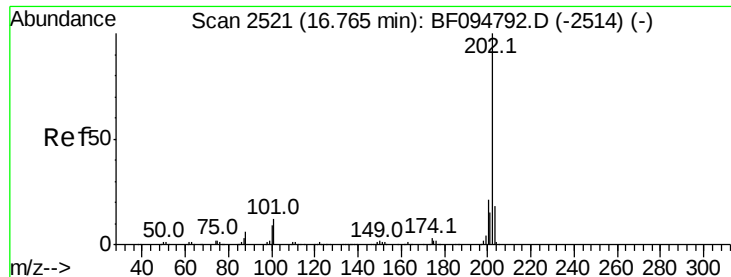


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.66 ng

RT: 16.82 min Scan# 2531

Delta R.T. 0.06 min

Lab File: BF095127.D

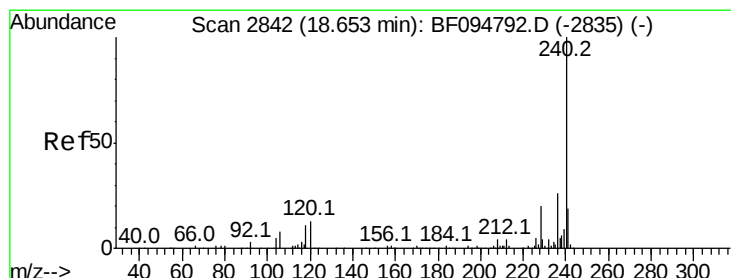
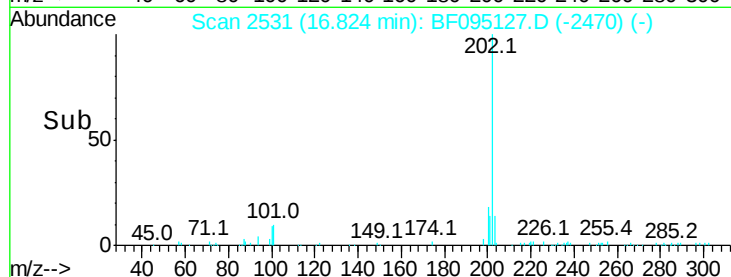
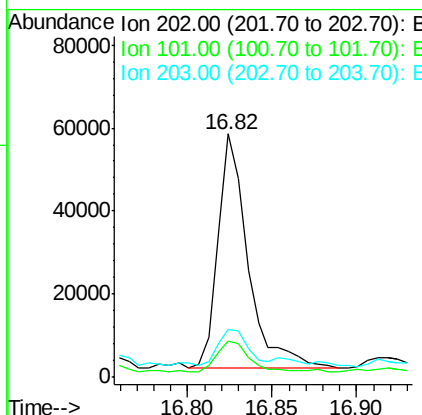
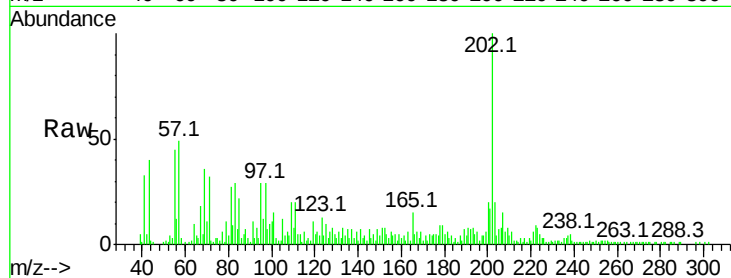
Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	69993
Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	19.7	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

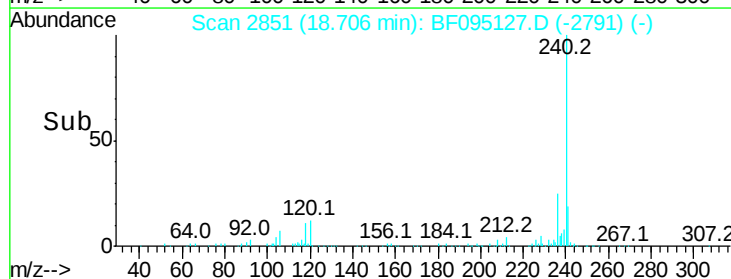
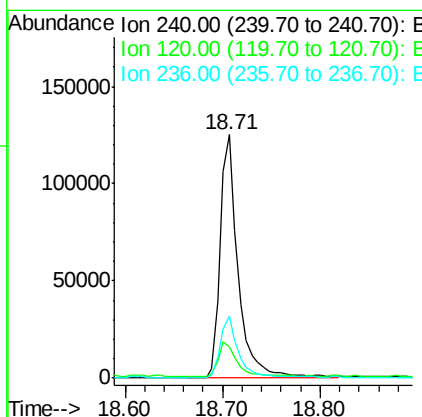
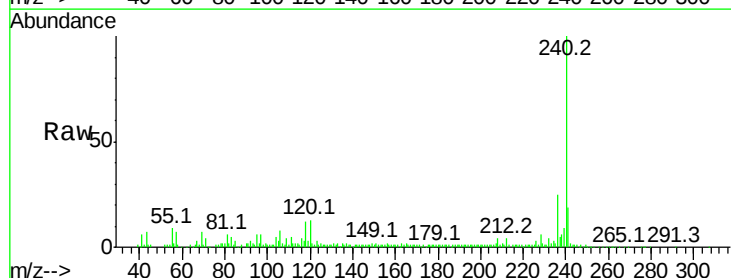
RT: 18.71 min Scan# 2851

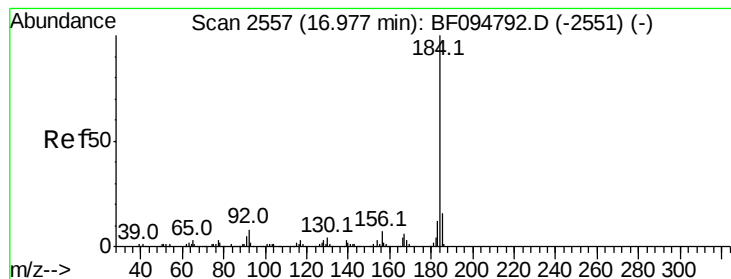
Delta R.T. 0.05 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Tgt Ion:	240	Resp:	161684
Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	25.4	20.5	30.7





#76

Benzidine

Concen: 6.88 ng

RT: 17.04 min Scan# 2568

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

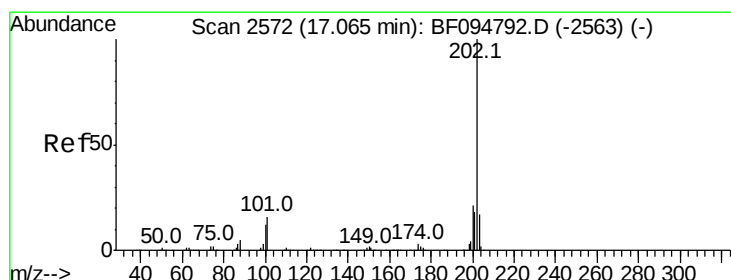
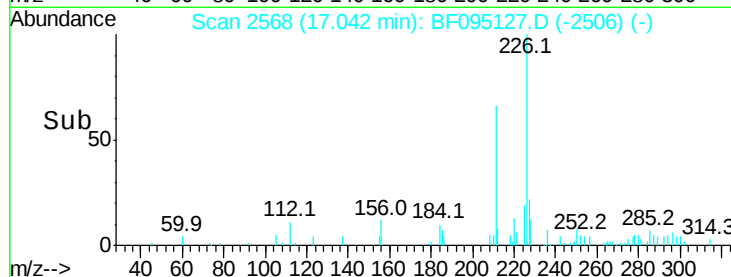
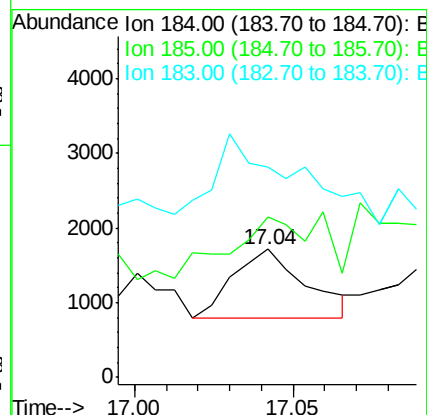
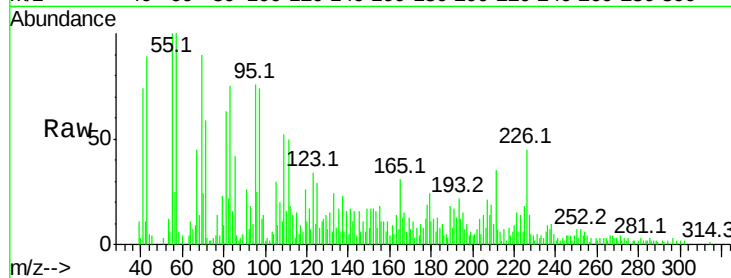
Tot Ion:184 Resp: 1481

Ion Ratio Lower Upper

184 100

185 125.4 15.5 23.3#

183 163.5 9.8 14.6#



#77

Pyrene

Concen: 15.33 ng

RT: 17.12 min Scan# 2582

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

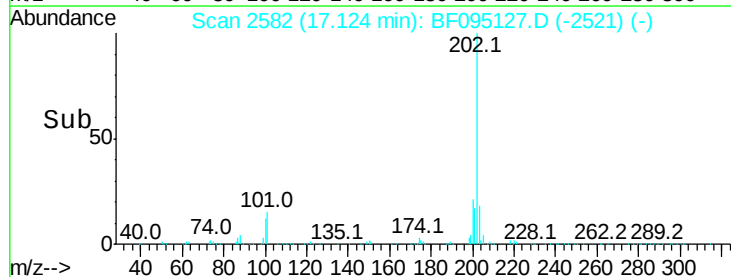
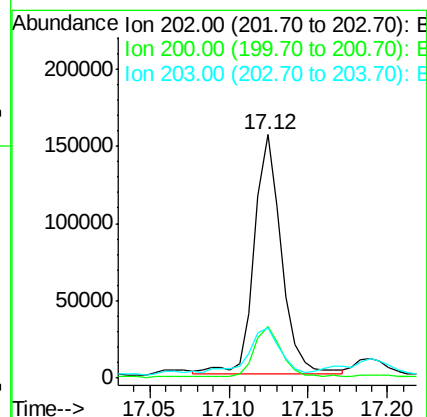
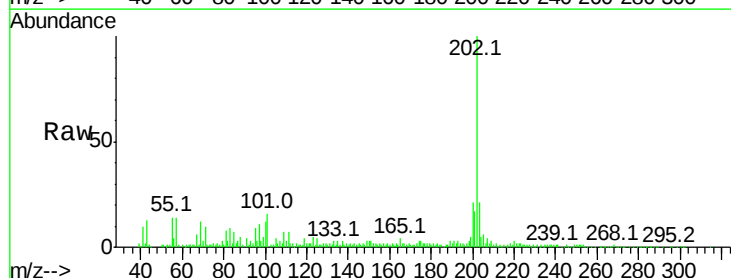
Tgt Ion:202 Resp: 185425

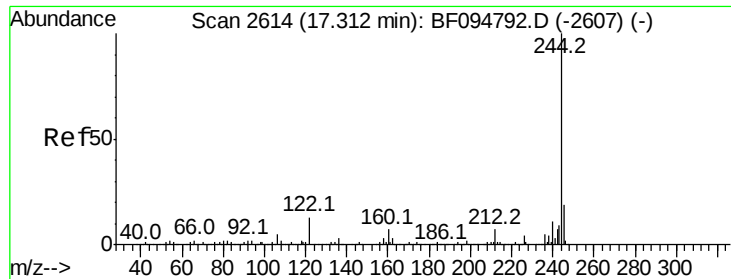
Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

203 20.7 14.4 21.6

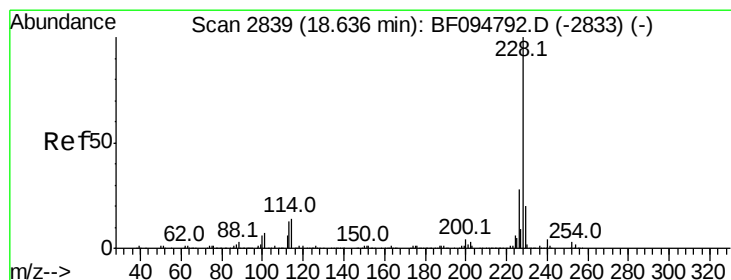
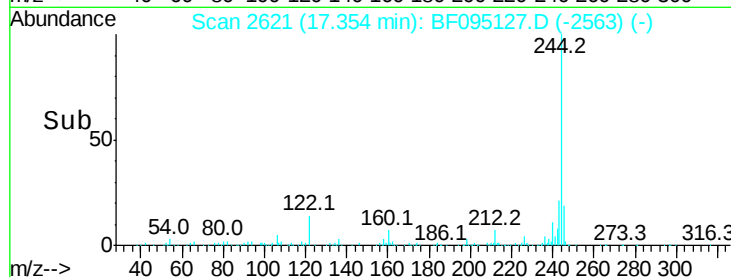
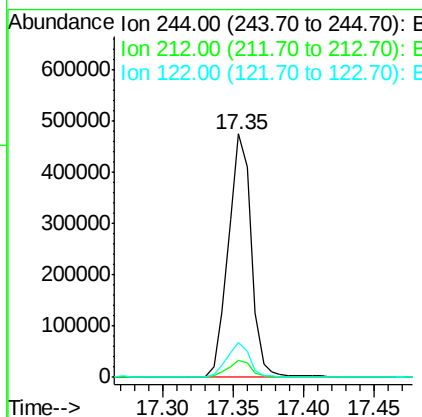
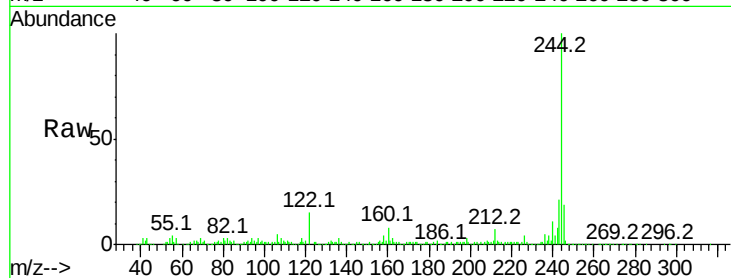




#78
 Terphenyl-d14
 Concen: 73.31 ng
 RT: 17.35 min Scan# 2621
 Delta R.T. 0.04 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

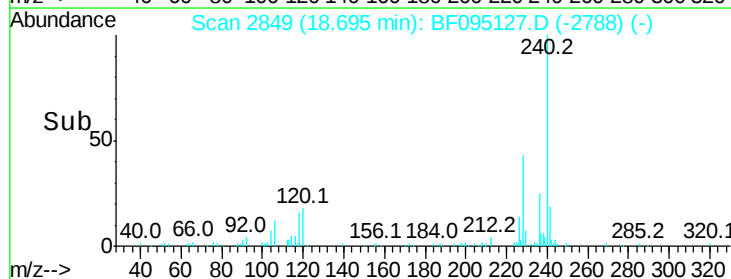
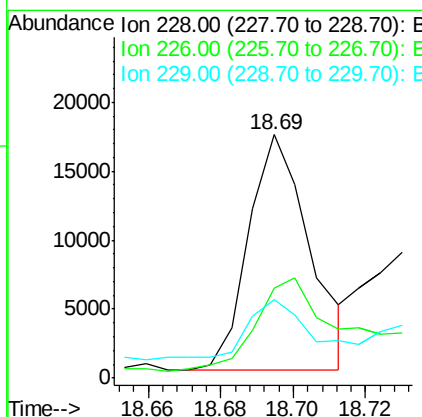
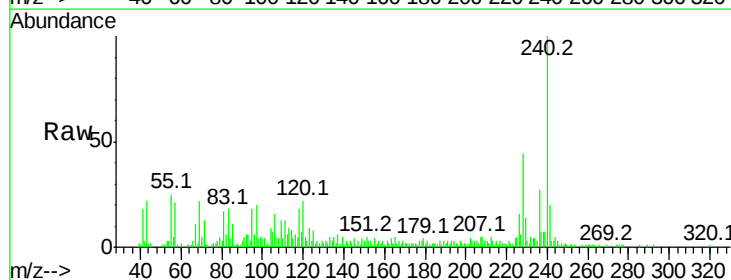
Instrument :
 BNA_F
 ClientSampleId :

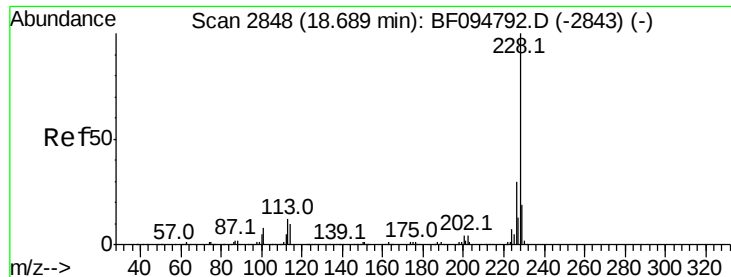
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.6	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 2.13 ng
 RT: 18.69 min Scan# 2849
 Delta R.T. 0.06 min
 Lab File: BF095127.D
 Acq: 15 May 2017 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.6	33.8#
229	32.3	16.3	24.5#





#82

Chrysene

Concen: 2.66 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.05 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

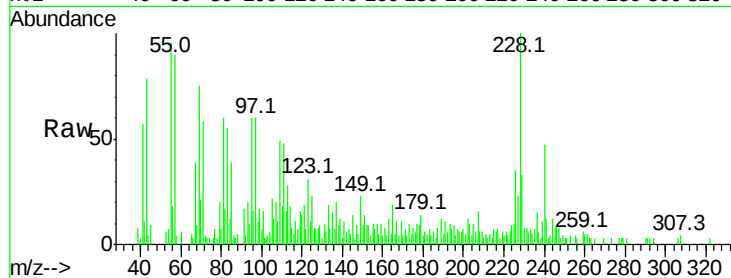
Tot Ion:228 Resp: 24208

Ion Ratio Lower Upper

228 100

226 34.8 24.9 37.3

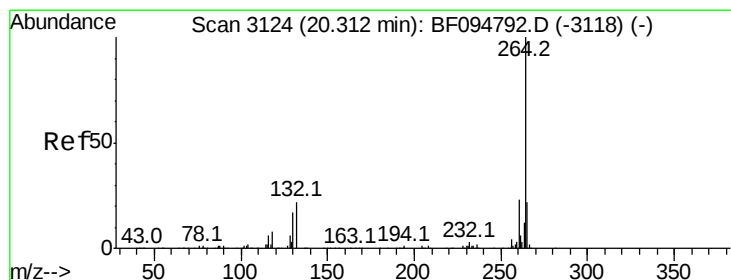
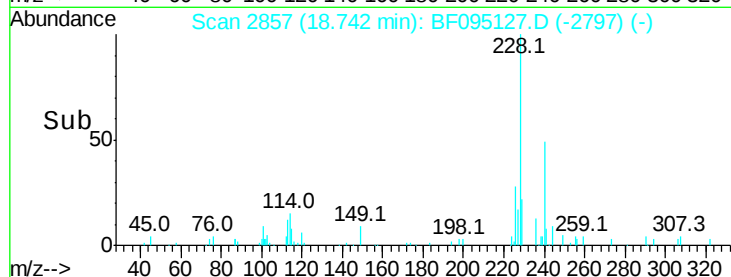
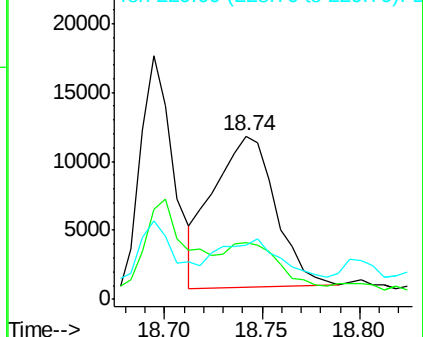
229 33.0 15.8 23.6#



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

Perylene-d12

Concen: 20.00 ng

RT: 20.38 min Scan# 3135

Delta R.T. 0.06 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

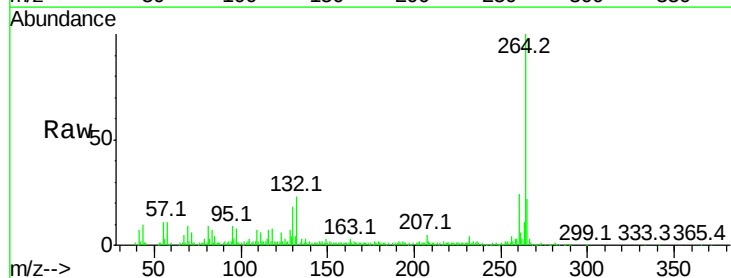
Tgt Ion:264 Resp: 164058

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

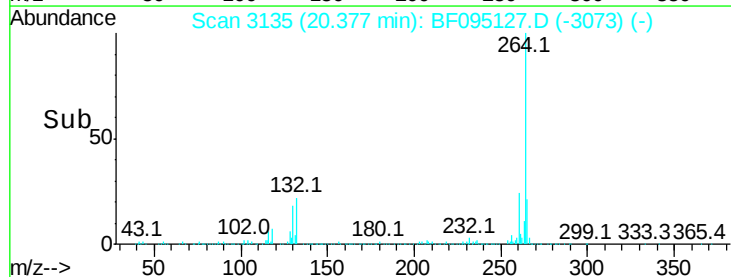
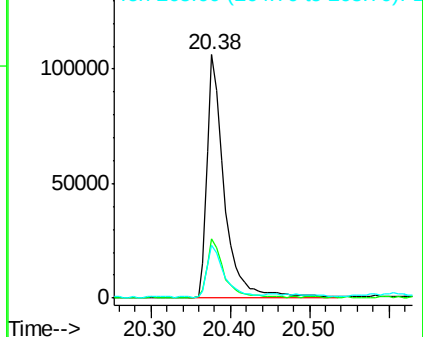
265 21.6 17.2 25.8

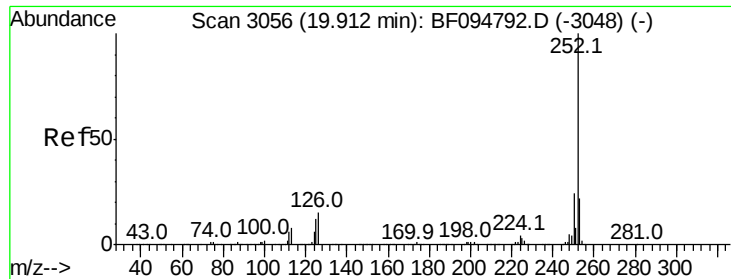


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

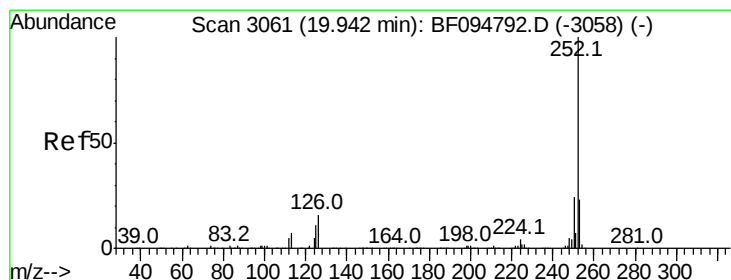
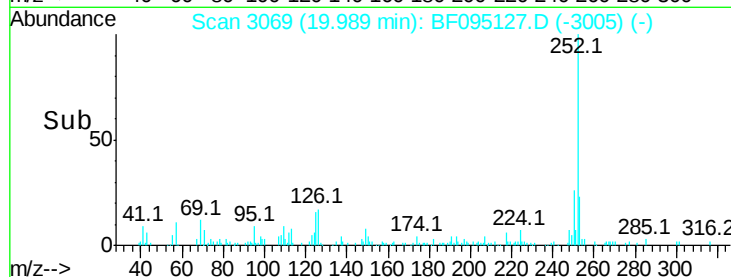
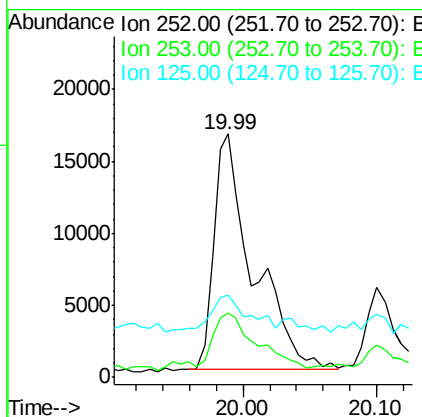
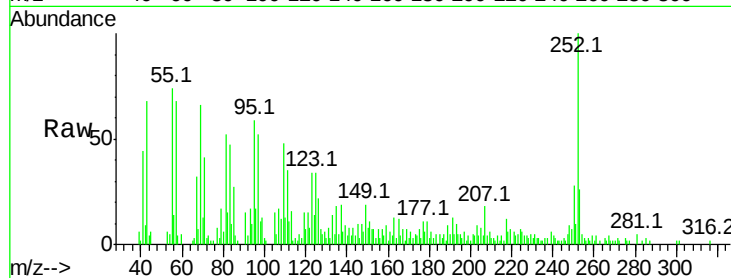




#87
Benzo(b)fluoranthene
Concen: 3.32 ng
RT: 19.99 min Scan# 3069
Delta R.T. 0.08 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

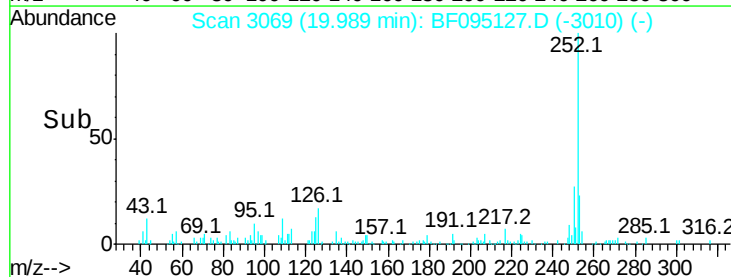
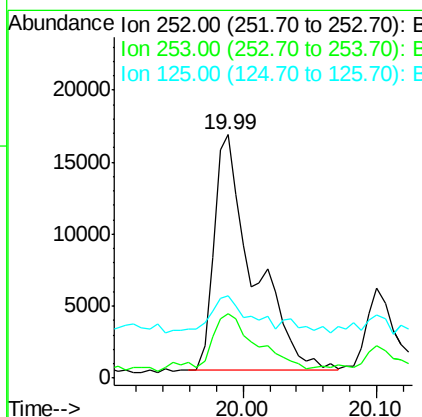
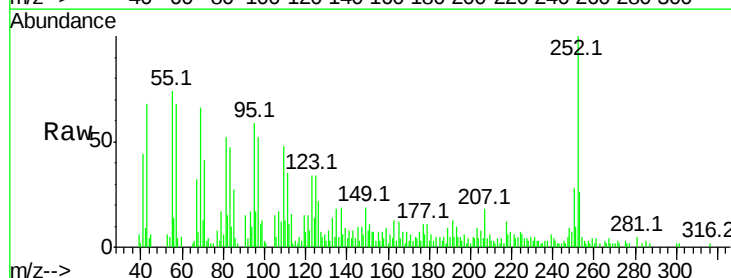
Instrument :
BNA_F
ClientSampleId :

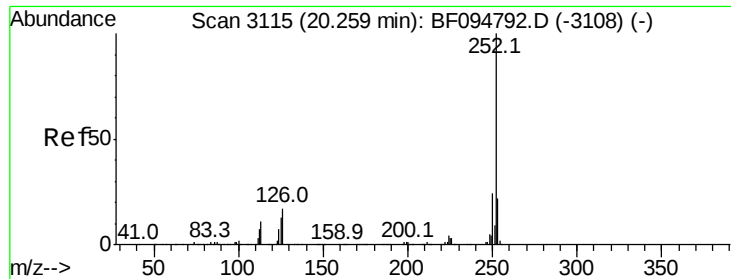
Tot Ion:252 Resp: 33668
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 33.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.44 ng
RT: 19.99 min Scan# 3069
Delta R.T. 0.05 min
Lab File: BF095127.D
Acq: 15 May 2017 16:00

Tgt Ion:252 Resp: 33668
Ion Ratio Lower Upper
252 100
253 26.4 18.4 27.6
125 33.6 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 3.62 ng

RT: 20.33 min Scan# 3127

Delta R.T. 0.07 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

Instrument :

BNA_F

ClientSampleId :

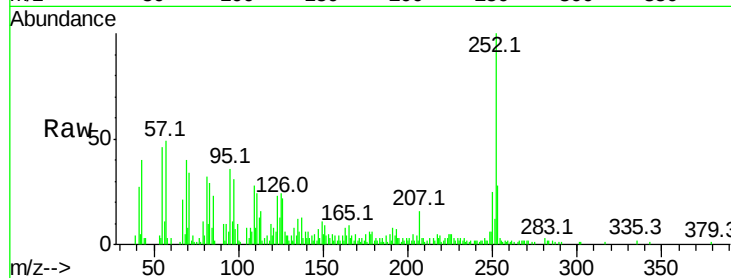
Tot Ion:252 Resp: 33863

Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

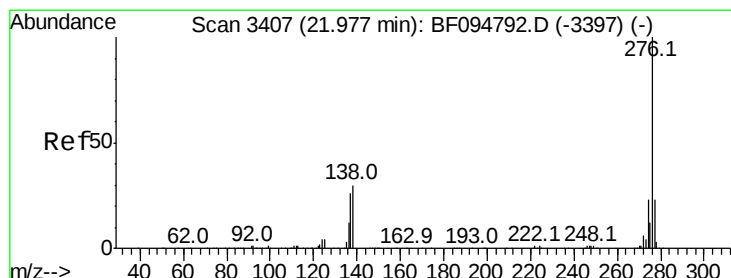
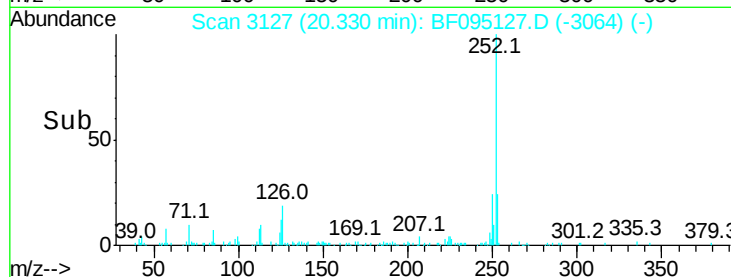
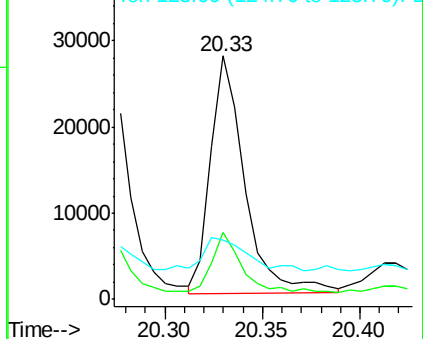
125 24.3 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 6.66 ng

RT: 22.12 min Scan# 3431

Delta R.T. 0.14 min

Lab File: BF095127.D

Acq: 15 May 2017 16:00

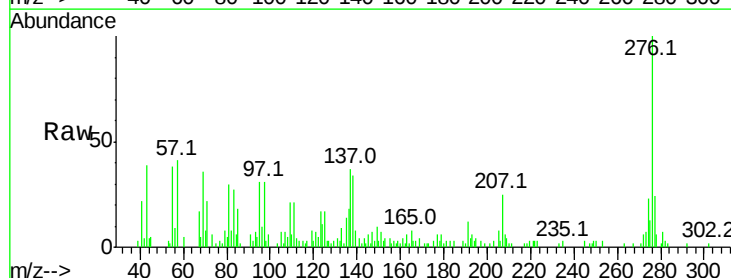
Tgt Ion:276 Resp: 50466

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 33.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

