

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095208.D
 Acq On : 18 May 2017 3:38
 Operator : SJ/MA
 Sample : I3182-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 04:37:09 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

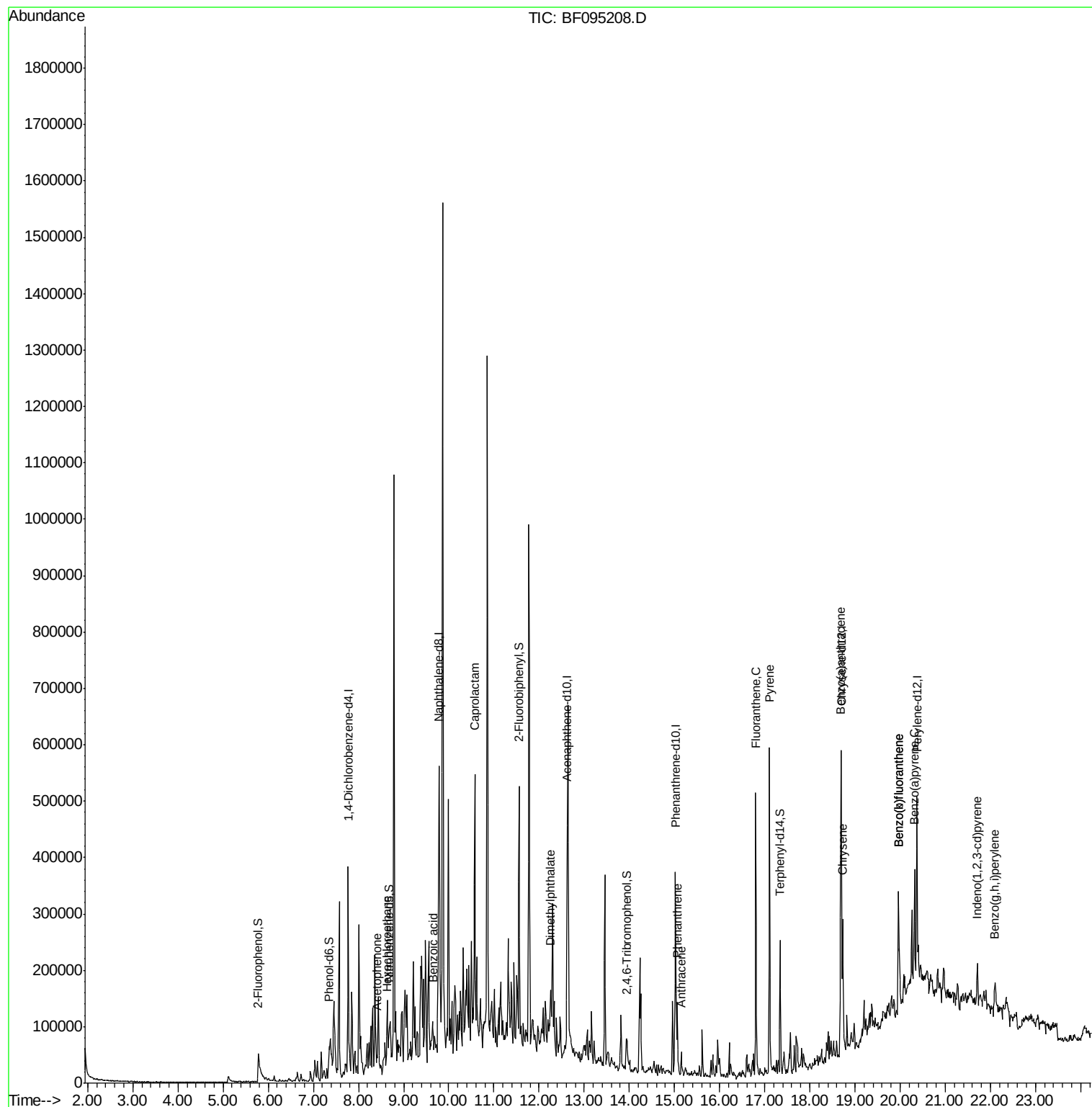
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	81759	20.00	ng	0.04
21) Naphthalene-d8	9.78	136	320419	20.00	ng	0.03
38) Acenaphthene-d10	12.62	164	114035	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	193717	20.00	ng	0.04
75) Chrysene-d12	18.69	240	187247	20.00	ng	0.04
86) Perylene-d12	20.37	264	143976	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	71848	14.65	ng	0.11
7) Phenol-d6	7.35	99	87979	14.95	ng	0.07
23) Nitrobenzene-d5	8.68	82	48303	9.51	ng	0.04
41) 2,4,6-Tribromophenol	13.93	330	12973	13.89	ng	0.05
44) 2-Fluorobiphenyl	11.56	172	105015	13.25	ng	0.03
78) Terphenyl-d14	17.34	244	85400	10.05	ng	0.03
Target Compounds						Qvalue
18) Hexachloroethane	8.62	117	5447	2.50	ng	# 13
22) Acetophenone	8.41	105	21390	2.78	ng	# 51
32) Benzoic acid	9.65	122	425	5.21	ng	# 20
35) Caprolactam	10.58	113	14811	11.24	ng	# 79
49) Dimethylphthalate	12.26	163	19616	2.10	ng	# 92
70) Phenanthrene	15.06	178	72513	6.51	ng	99
71) Anthracene	15.15	178	26598	2.34	ng	97
74) Fluoranthene	16.80	202	284667	24.93	ng	99
77) Pyrene	17.11	202	271783	19.41	ng	98
80) Benzo(a)anthracene	18.68	228	125595	11.52	ng	99
82) Chrysene	18.72	228	123403	11.71	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	40251	4.70	ng	92
87) Benzo(b)fluoranthene	19.97	252	154298	17.34	ng	# 95
88) Benzo(k)fluoranthene	19.97	252	154298	17.98	ng	98
89) Benzo(a)pyrene	20.32	252	89580	10.91	ng	97
91) Benzo(g,h,i)perylene	22.10	276	38430	5.78	ng	97

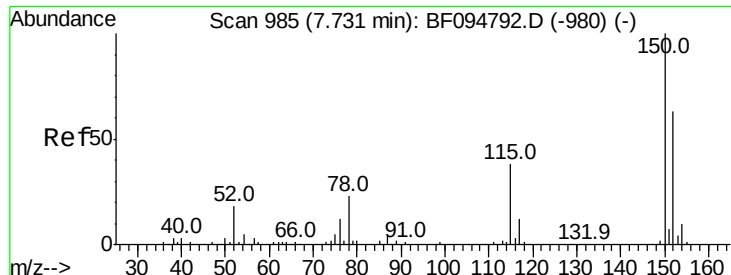
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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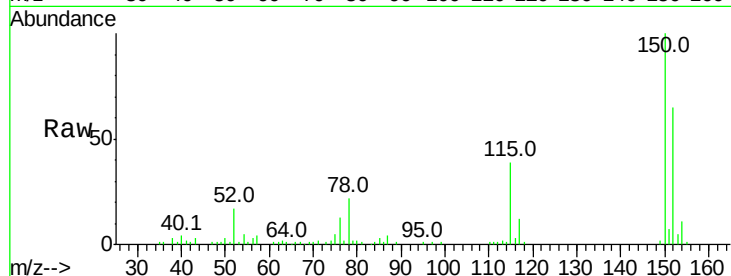


#1

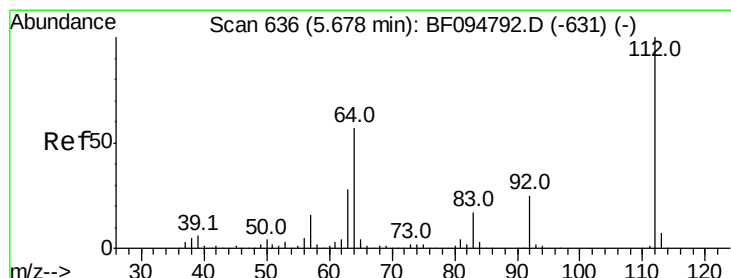
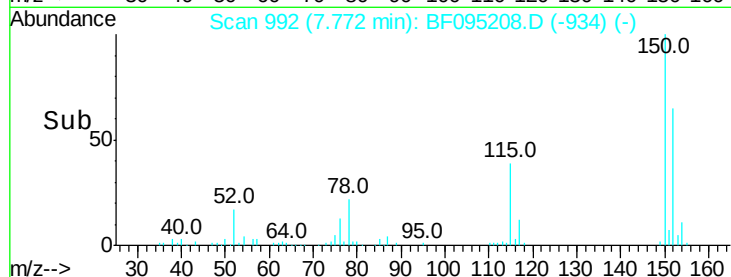
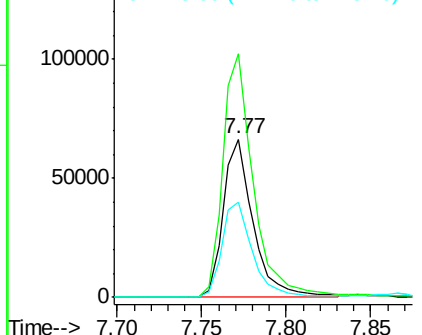
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	59.8	52.2	78.2



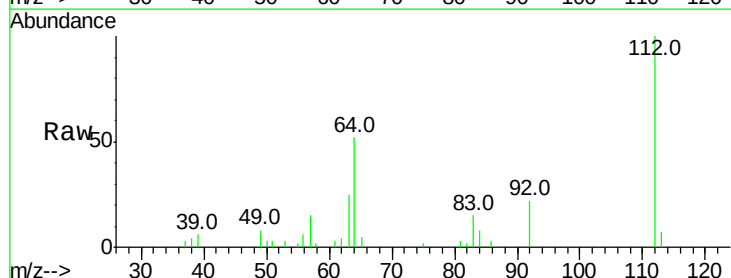
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



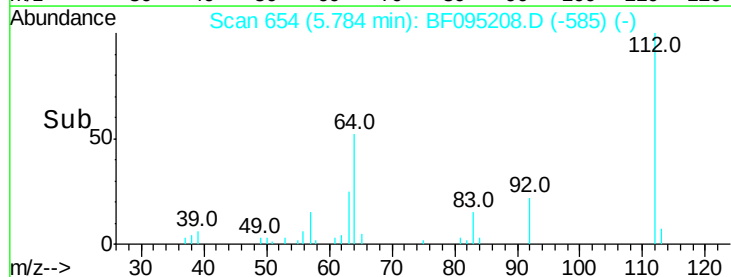
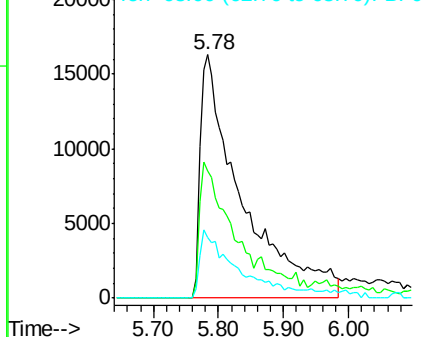
#5

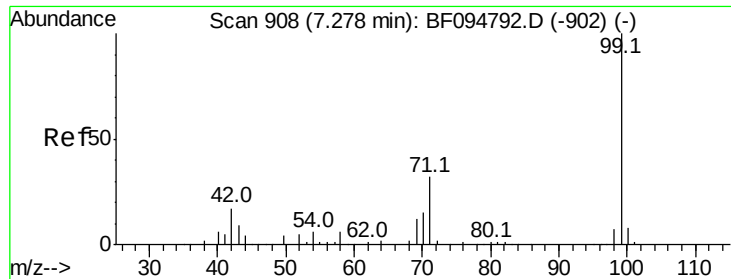
2-Fluorophenol
Concen: 14.65 ng
RT: 5.78 min Scan# 654
Delta R.T. 0.11 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.0	69.0
63	24.8	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: 14.95 ng

RT: 7.35 min Scan# 920

Delta R.T. 0.07 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

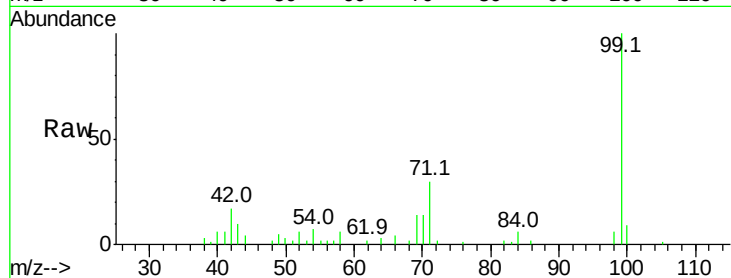
Tot Ion: 99 Resp: 87979

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

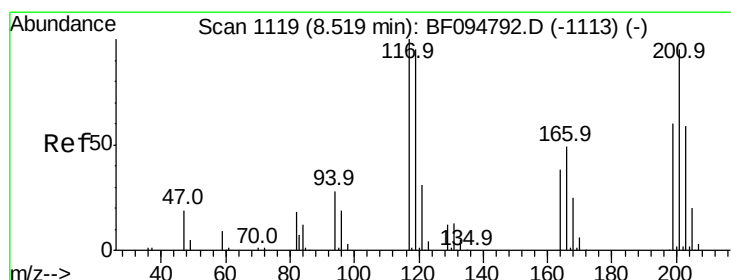
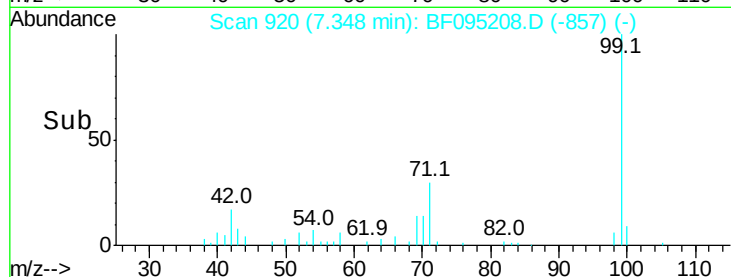
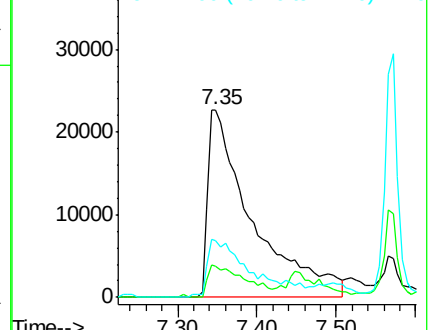
71 30.0 24.5 36.7



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



#18

Hexachloroethane

Concen: 2.50 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.10 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

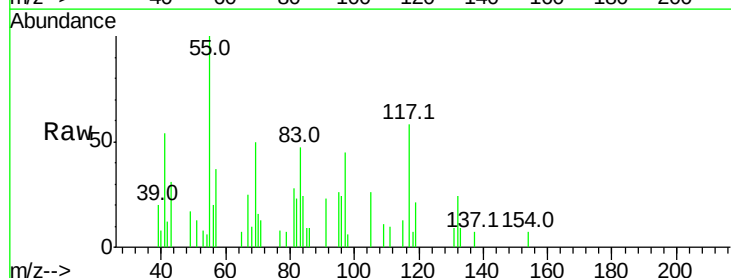
Tgt Ion: 117 Resp: 5447

Ion Ratio Lower Upper

117 100

119 35.1 77.4 116.0#

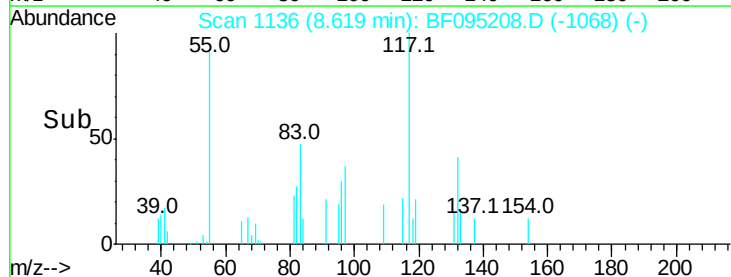
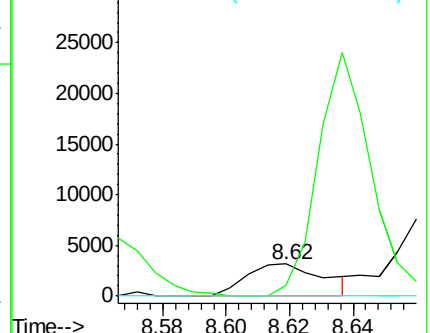
201 0.0 94.6 141.8#

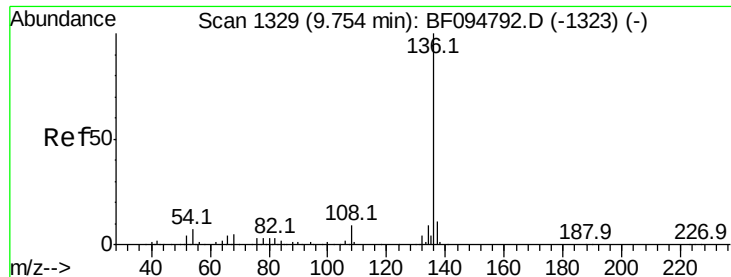


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.03 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 320419

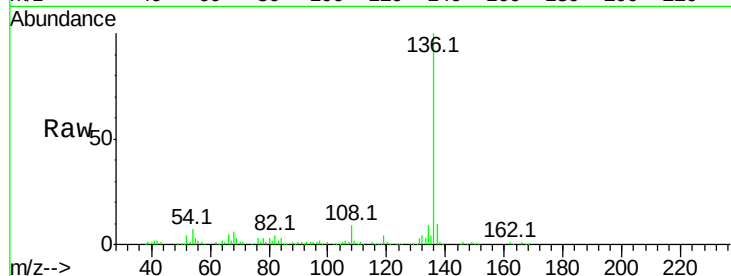
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.4 4.9 7.3#

68 5.8 4.1 6.1

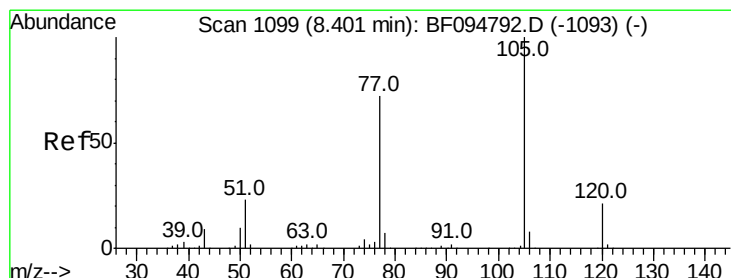
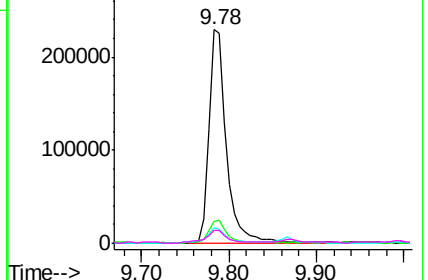
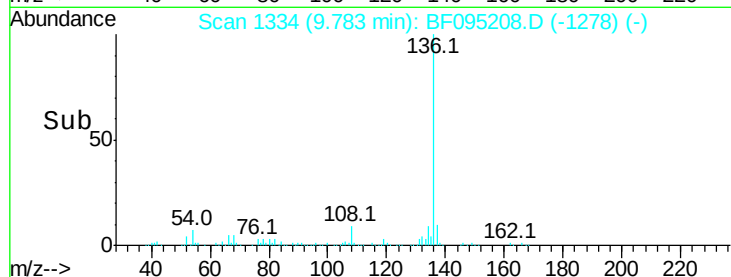


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.78 ng

RT: 8.41 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Tgt Ion:105 Resp: 21390

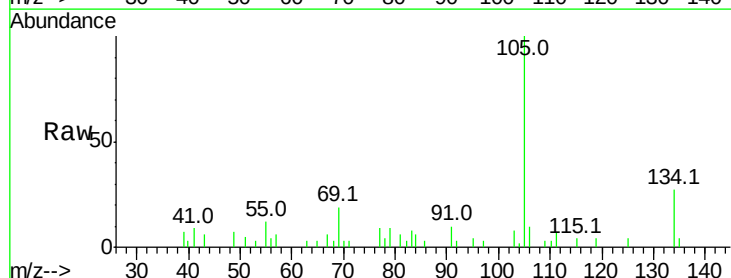
Ion Ratio Lower Upper

105 100

71 3.1 2.8 4.2

51 4.9 30.7 46.1#

120 0.0 17.4 26.0#

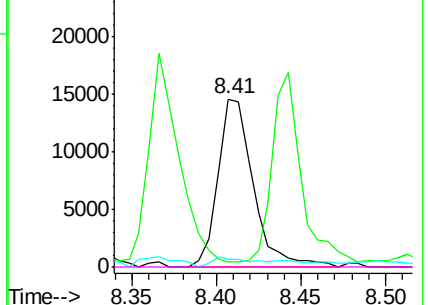
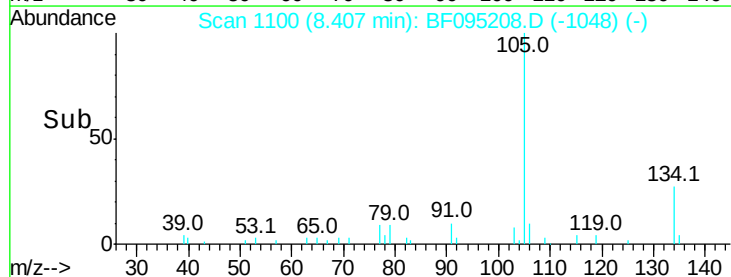


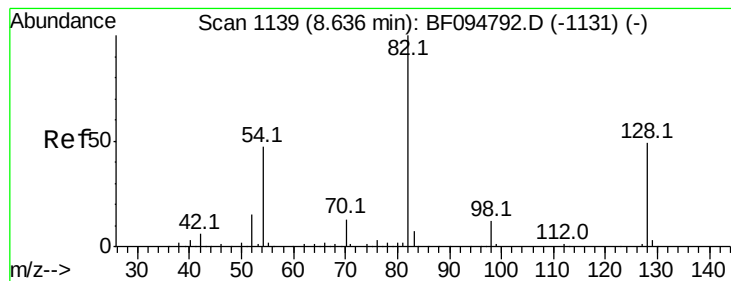
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 9.51 ng

RT: 8.68 min Scan# 1146

Delta R.T. 0.04 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampled :

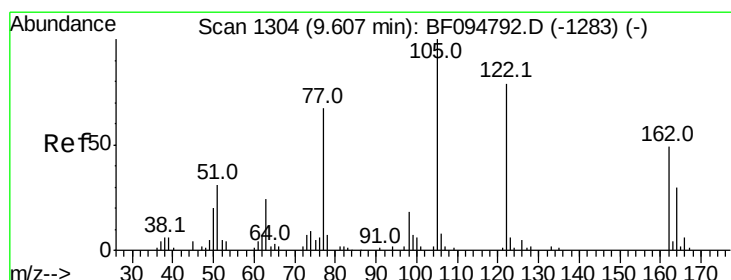
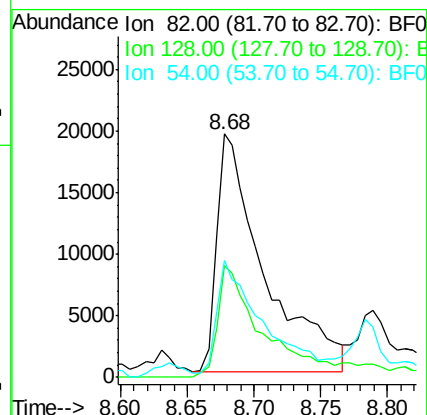
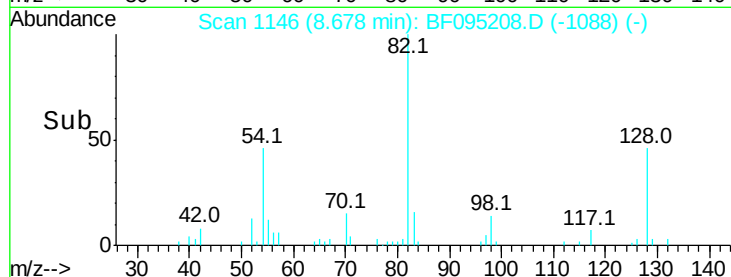
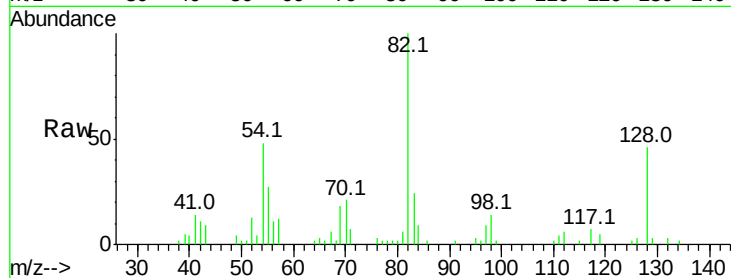
Tot Ion: 82 Resp: 48303

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

54 47.9 42.2 63.2



#32

Benzoic acid

Concen: 5.21 ng

RT: 9.65 min Scan# 1312

Delta R.T. 0.05 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

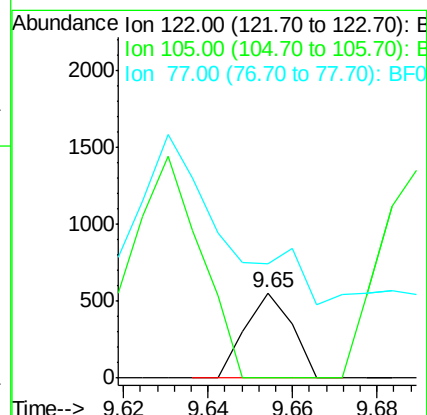
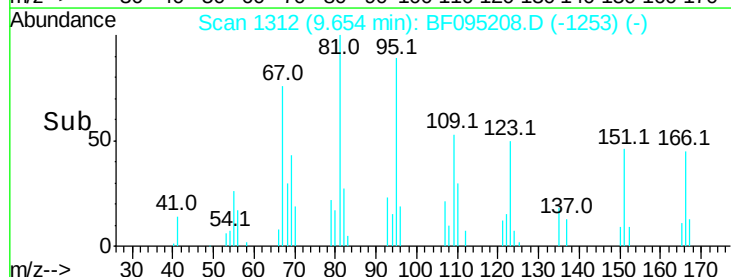
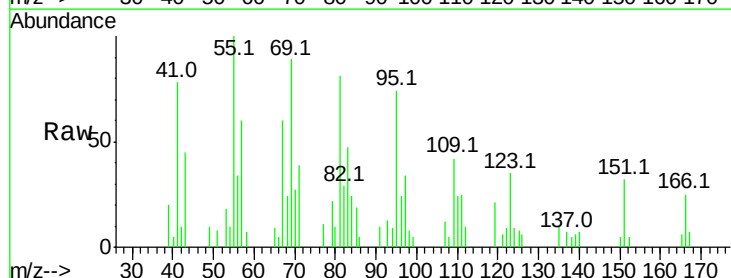
Tgt Ion:122 Resp: 425

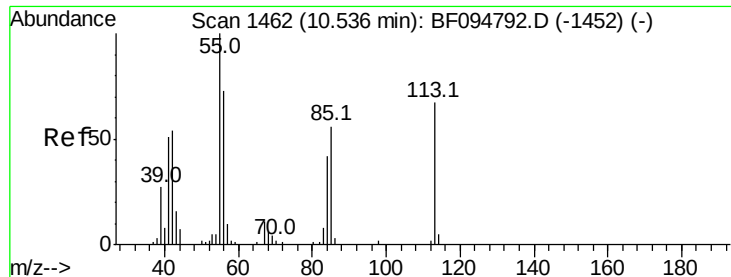
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 134.2 73.7 113.7#





#35

Caprolactam

Concen: 11.24 ng

RT: 10.58 min Scan# 1469

Delta R.T. 0.04 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

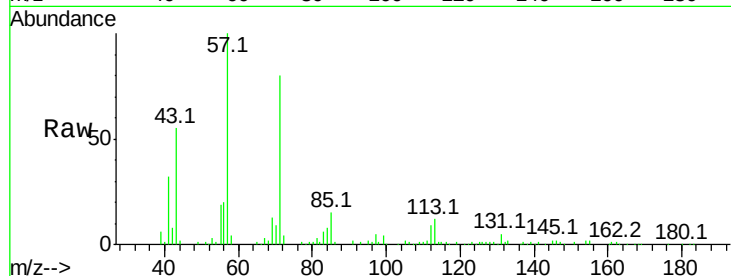
Tot Ion:113 Resp: 14811

Ion Ratio Lower Upper

113 100

55 161.8 150.2 190.2

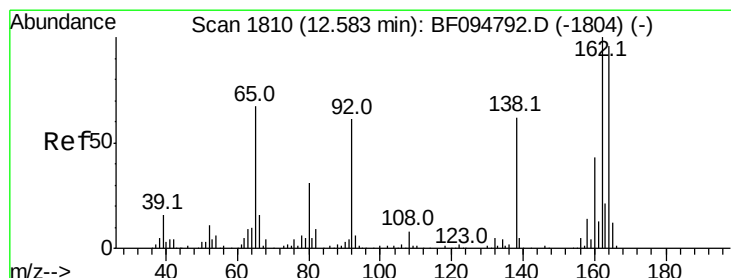
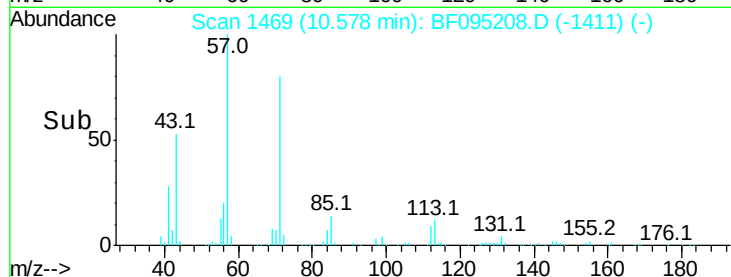
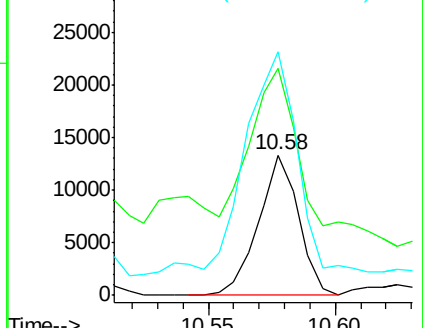
56 173.6 107.8 147.8#



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: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

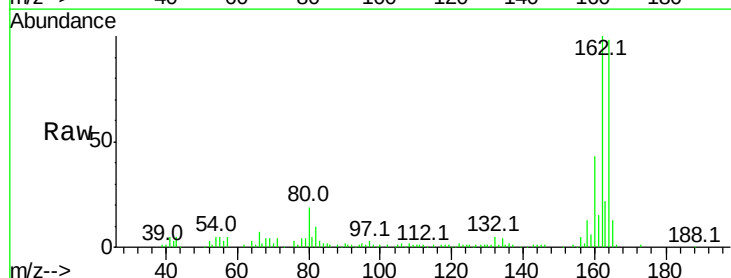
Tgt Ion:164 Resp: 114035

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

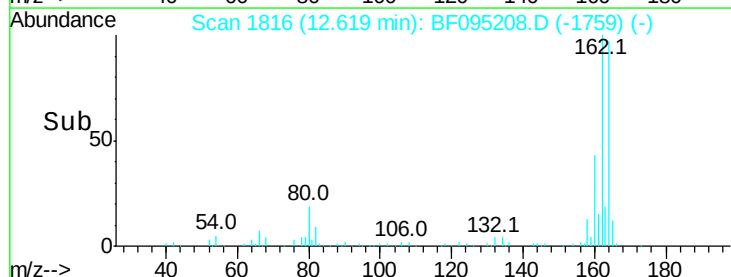
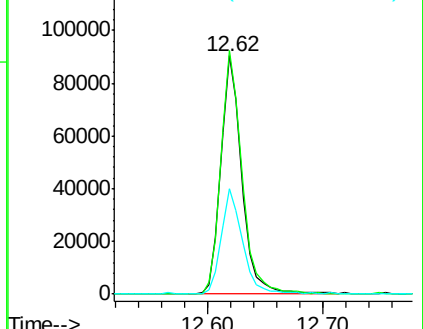
160 44.5 36.2 54.2

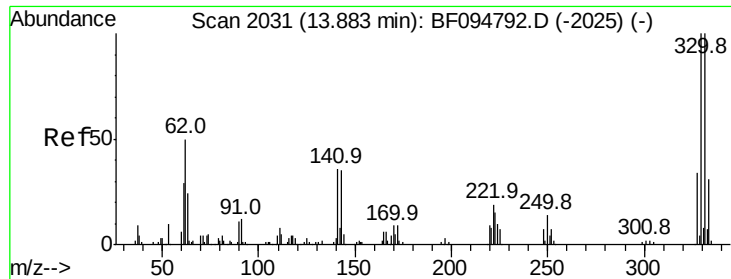


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

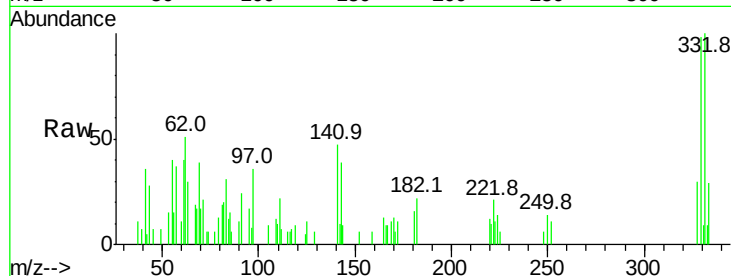




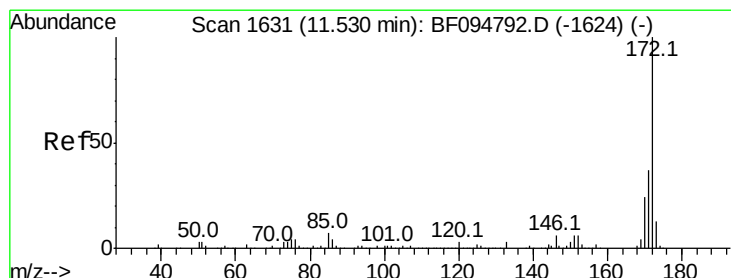
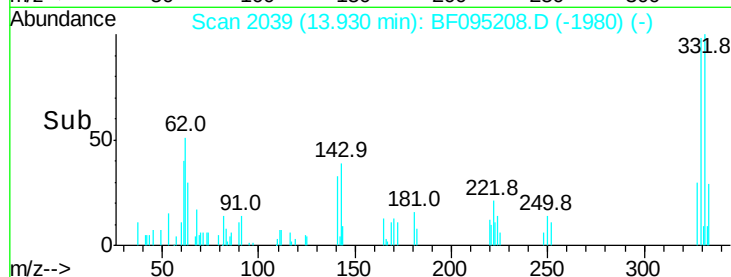
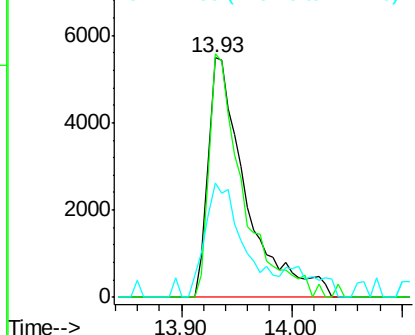
#41
 2,4,6-Tribromophenol
 Concen: 13.89 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.05 min
 Lab File: BF095208.D
 Acq: 18 May 2017 3:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 12973
 Ion Ratio Lower Upper
 330 100
 332 91.0 76.6 115.0
 141 48.8 31.4 47.2#

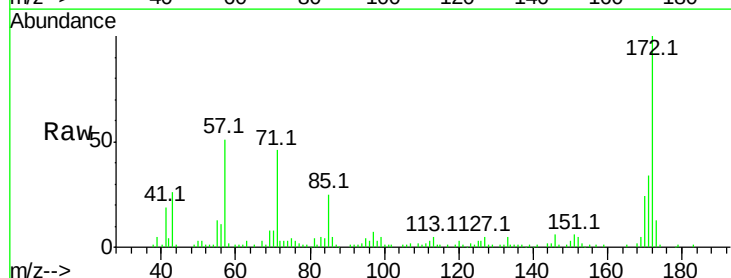


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

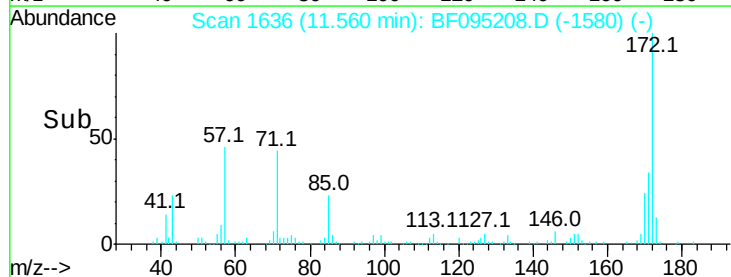
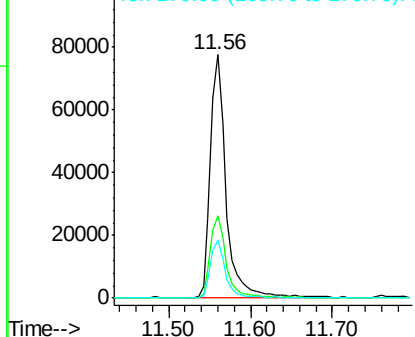


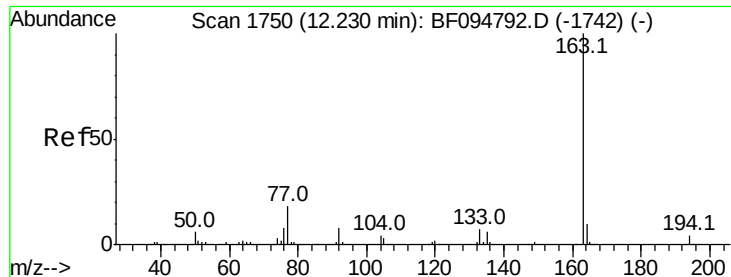
#44
 2-Fluorobiphenyl
 Concen: 13.25 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095208.D
 Acq: 18 May 2017 3:38

Tgt Ion:172 Resp: 105015
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.6 44.4
 170 23.9 19.8 29.8



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





#49

Dimethylphthalate

Concen: 2.10 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.03 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

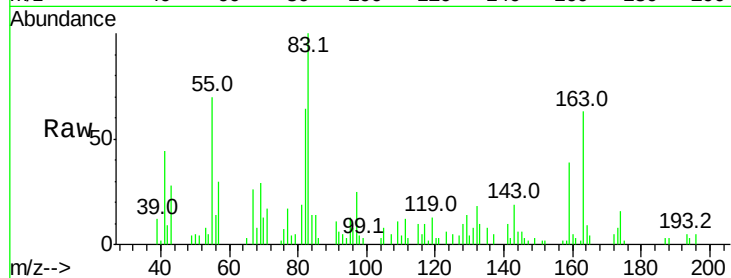
Tot Ion:163 Resp: 19616

Ion Ratio Lower Upper

163 100

194 5.5 2.6 4.0#

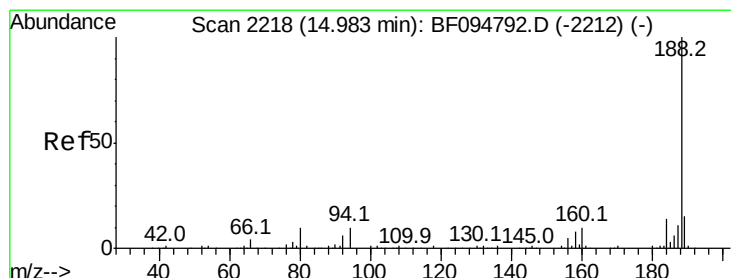
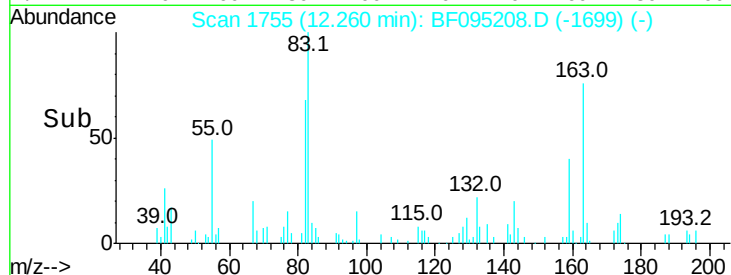
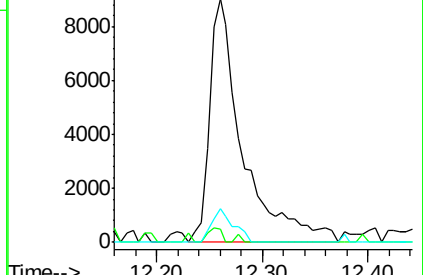
164 13.7 8.4 12.6#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2225

Delta R.T. 0.04 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

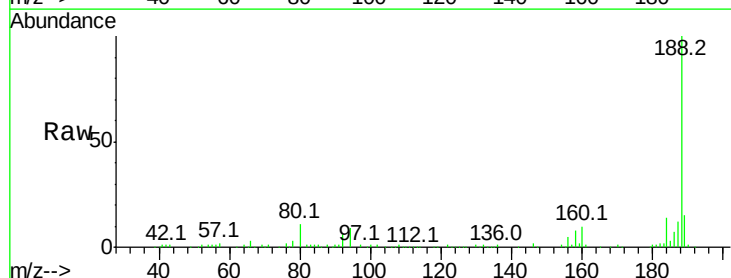
Tgt Ion:188 Resp: 193717

Ion Ratio Lower Upper

188 100

94 9.3 9.4 14.2#

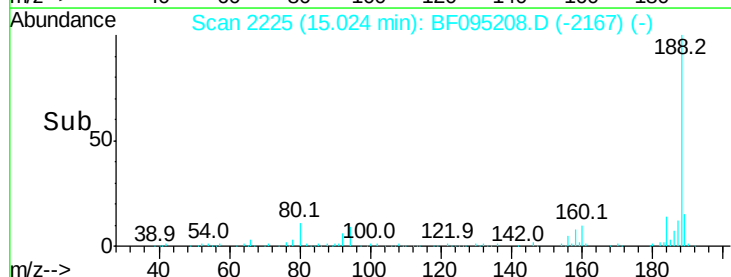
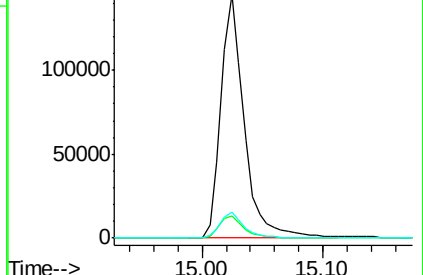
80 10.7 10.2 15.2

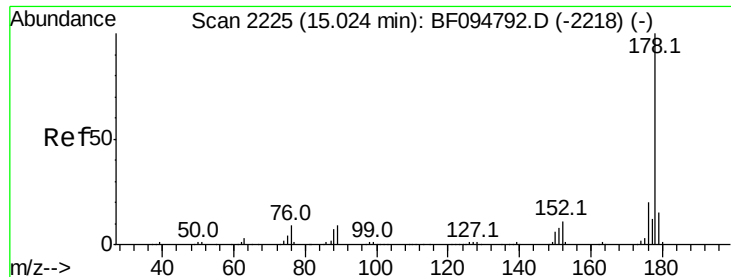


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

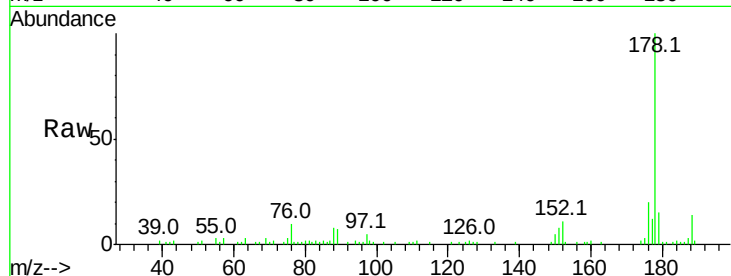




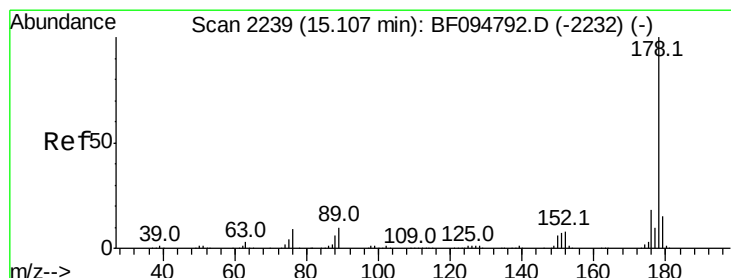
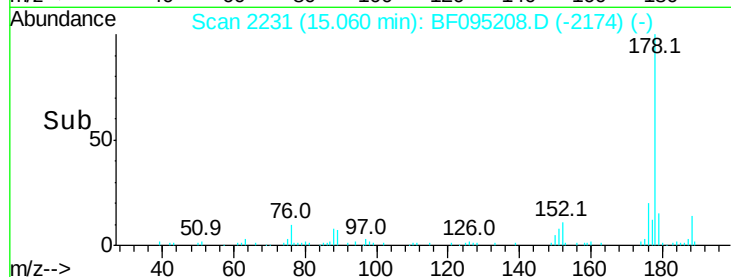
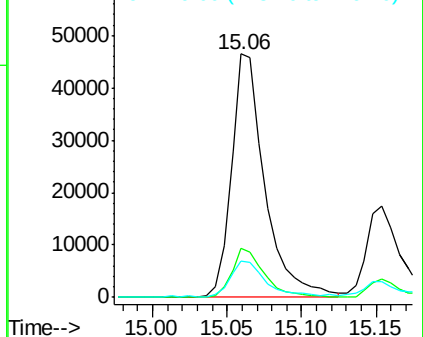
#70
Phenanthrene
Concen: 6.51 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 72513
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 14.9 12.6 19.0

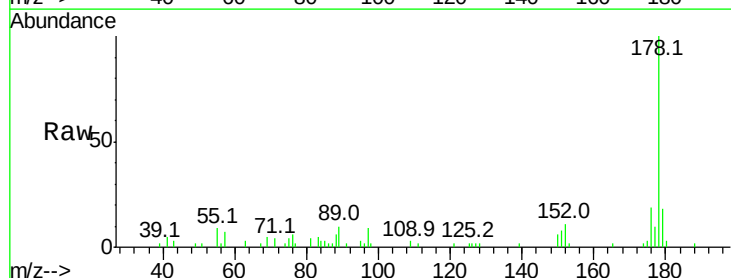


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

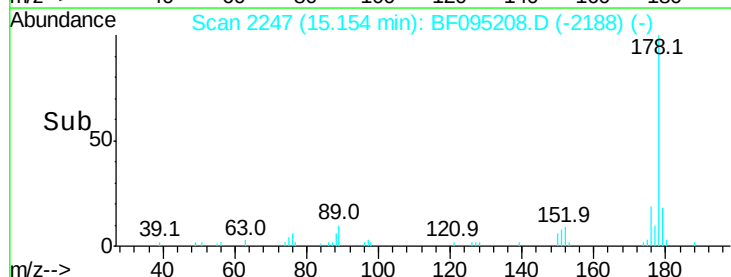
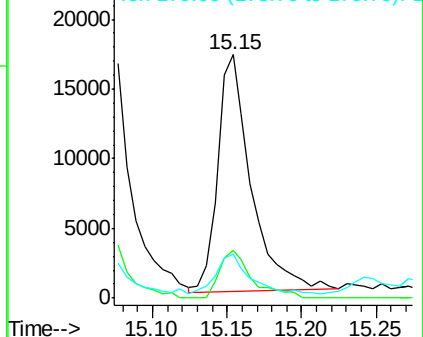


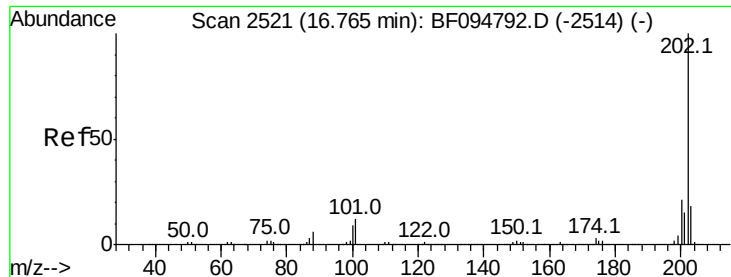
#71
Anthracene
Concen: 2.34 ng
RT: 15.15 min Scan# 2247
Delta R.T. 0.05 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

Tgt Ion:178 Resp: 26598
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 17.8 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

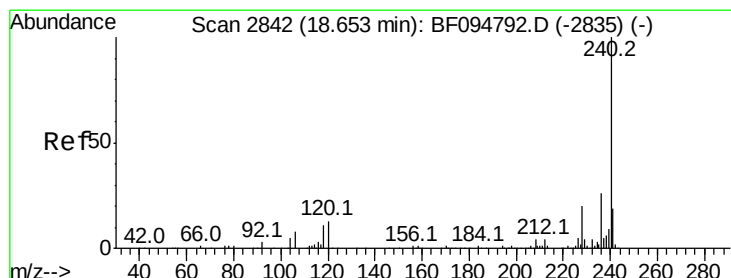
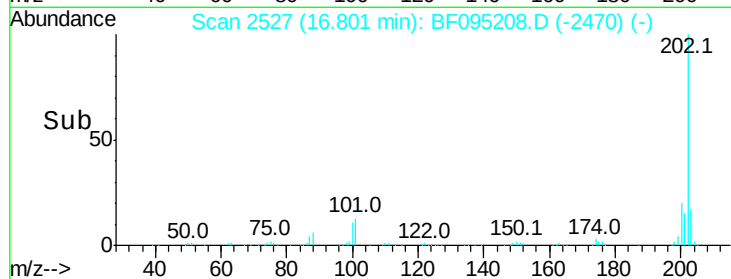
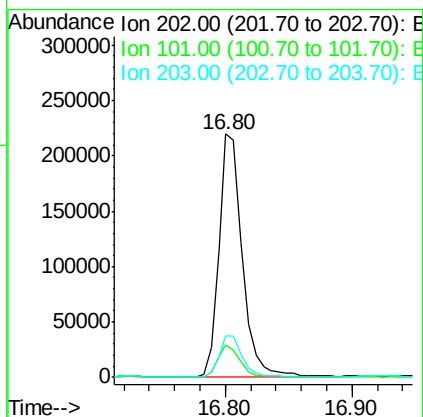
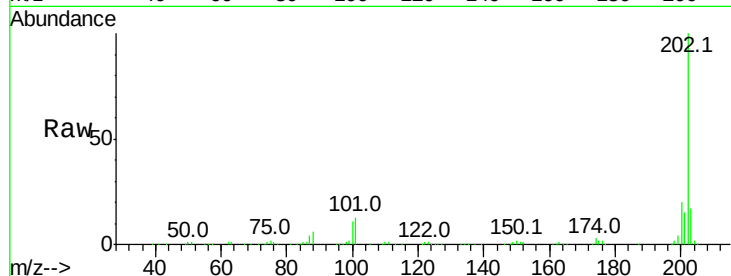




#74
 Fluoranthene
 Concen: 24.93 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.04 min
 Lab File: BF095208.D
 Acq: 18 May 2017 3:38

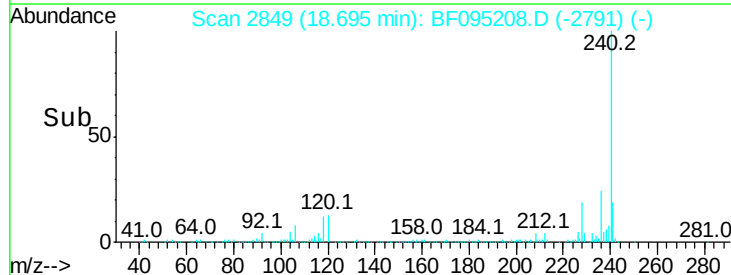
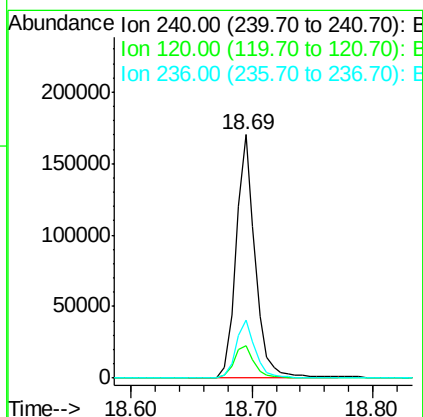
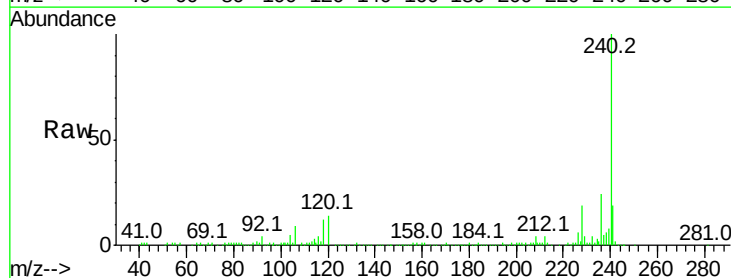
Instrument :
 BNA_F
 ClientSampled :

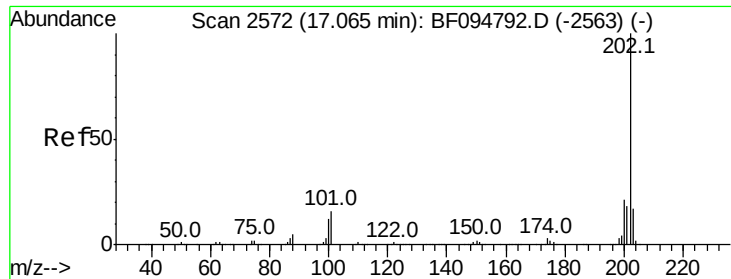
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2849
 Delta R.T. 0.04 min
 Lab File: BF095208.D
 Acq: 18 May 2017 3:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	23.9	20.5	30.7





#77

Pvrene

Concen: 19.41 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.04 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

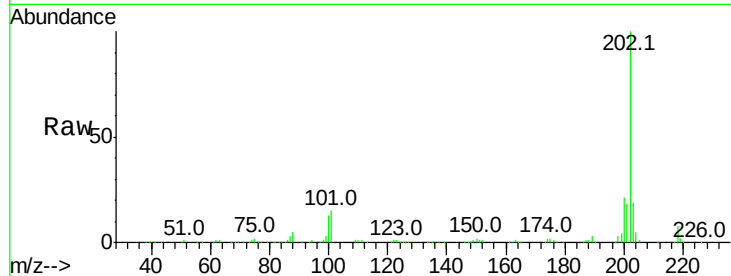
Tot Ion:202 Resp: 271783

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

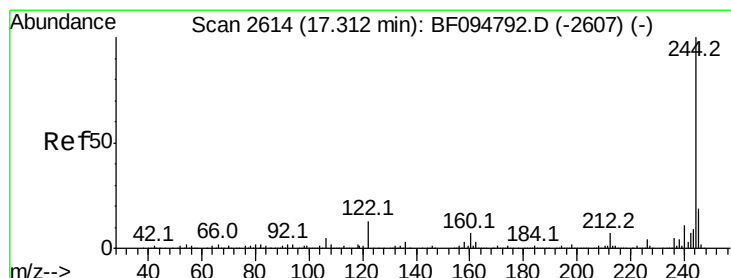
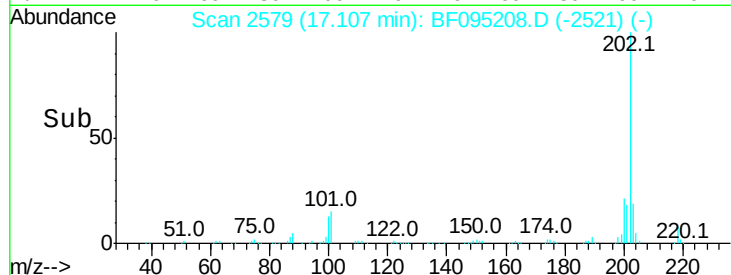
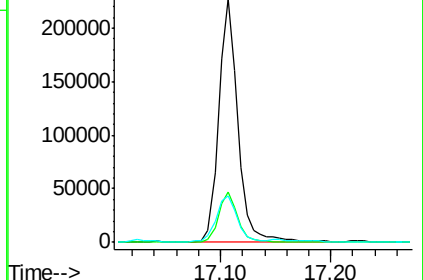
203 19.1 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 10.05 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

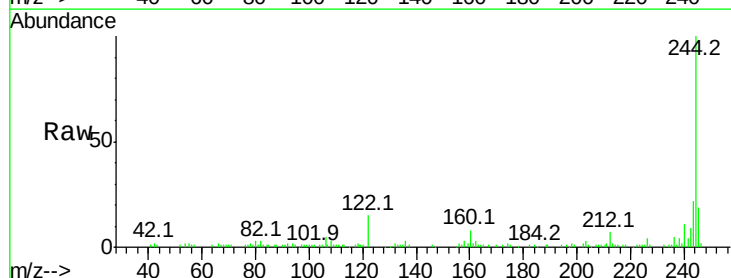
Tgt Ion:244 Resp: 85400

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

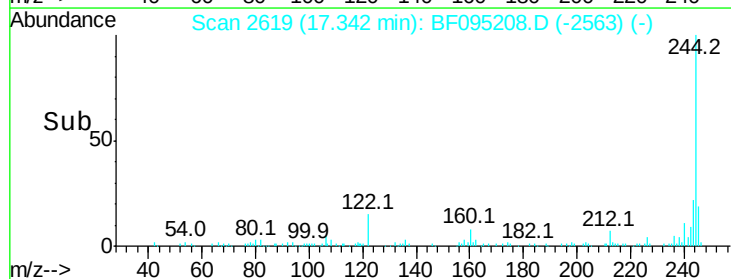
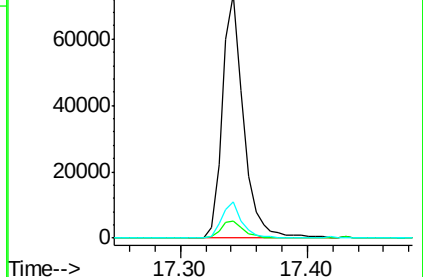
122 14.7 10.3 15.5

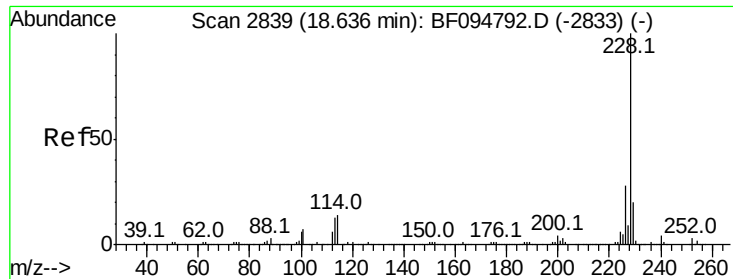


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

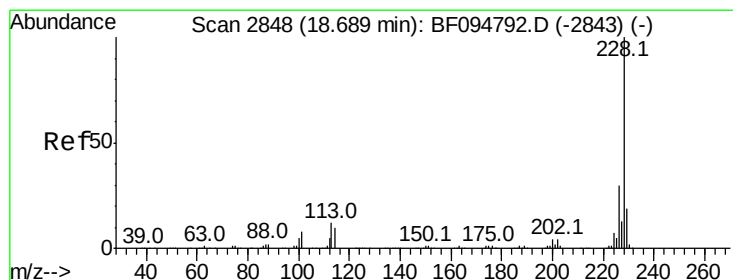
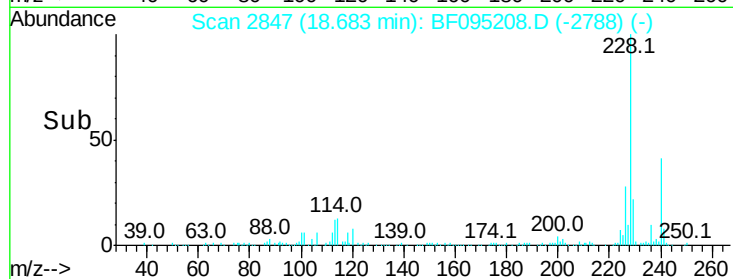
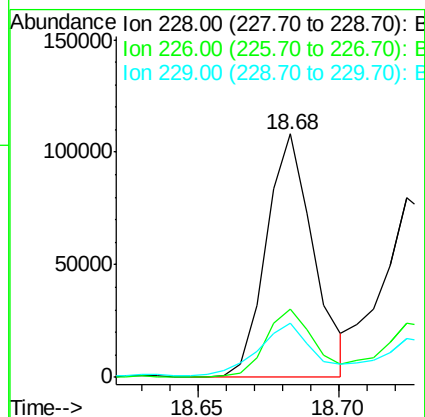
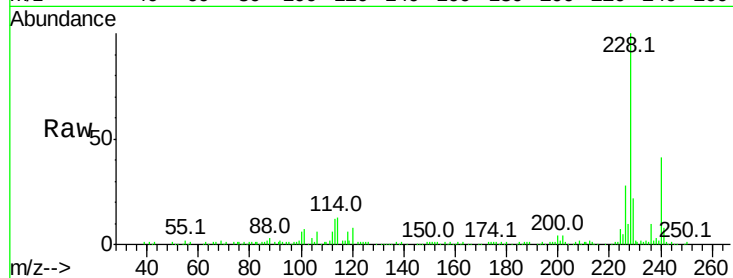




#80
Benzo(a)anthracene
Concen: 11.52 ng
RT: 18.68 min Scan# 2847
Delta R.T. 0.05 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

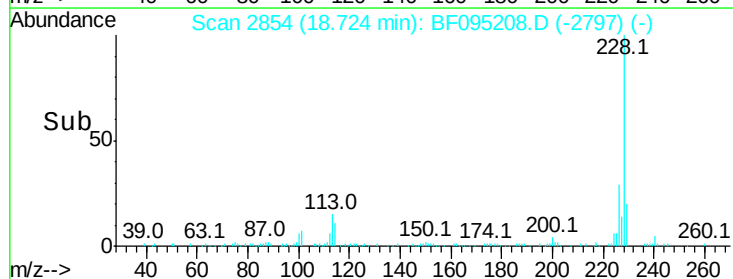
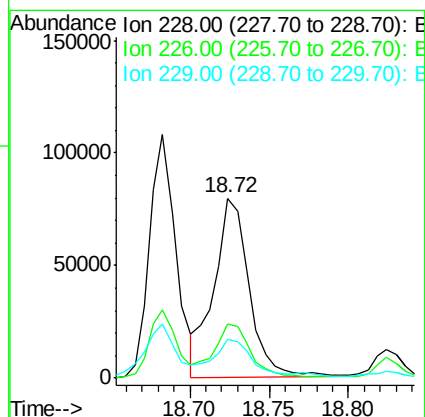
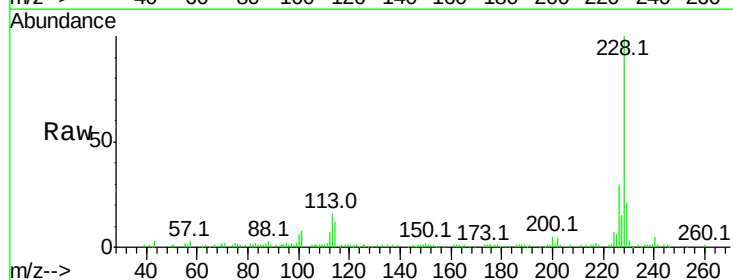
Instrument :
BNA_F
ClientSampleId :

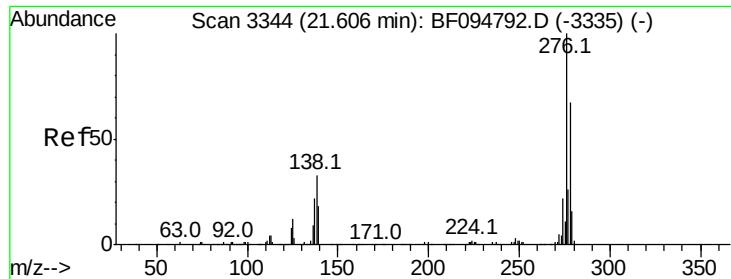
Tot Ion:228 Resp: 125595
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 11.71 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095208.D
Acq: 18 May 2017 3:38

Tgt Ion:228 Resp: 123403
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 21.4 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.70 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.11 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

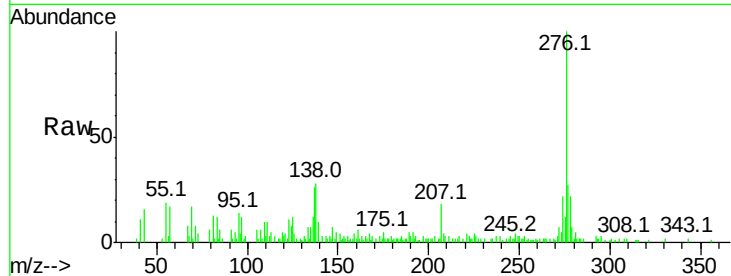
Tot Ion:276 Resp: 40251

Ion Ratio Lower Upper

276 100

138 28.0 27.8 41.6

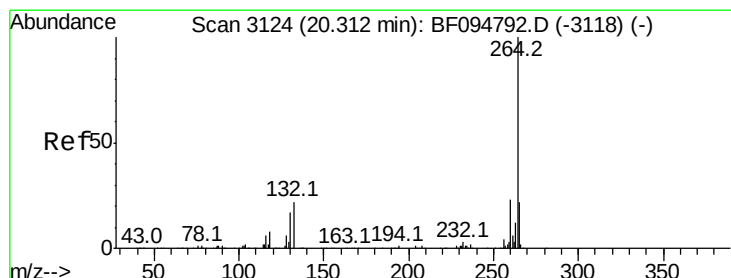
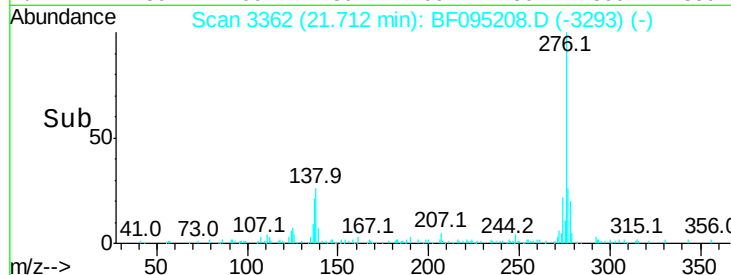
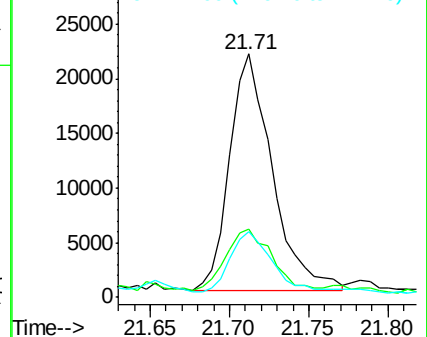
277 24.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3134

Delta R.T. 0.06 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

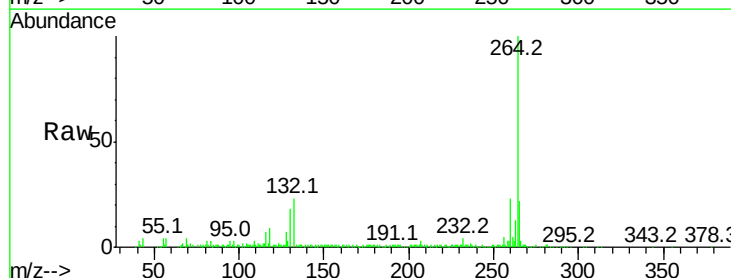
Tgt Ion:264 Resp: 143976

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

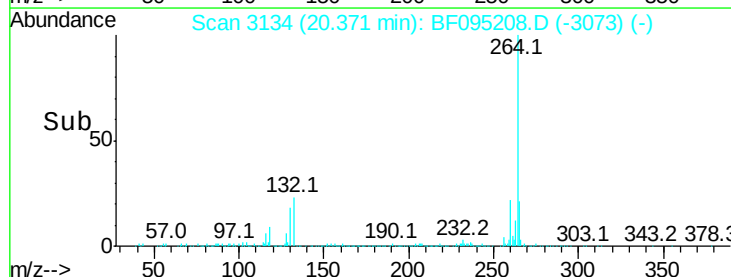
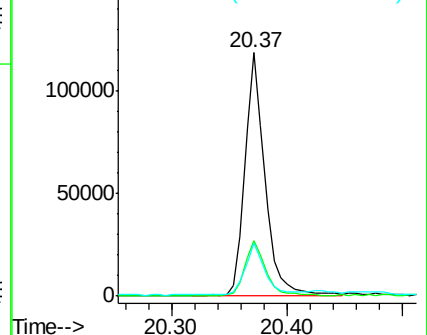
265 21.9 17.2 25.8

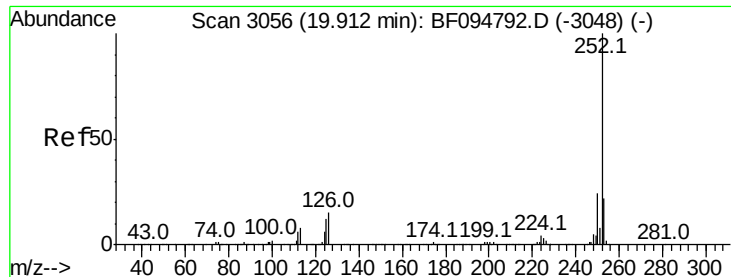


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.34 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.05 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampleId :

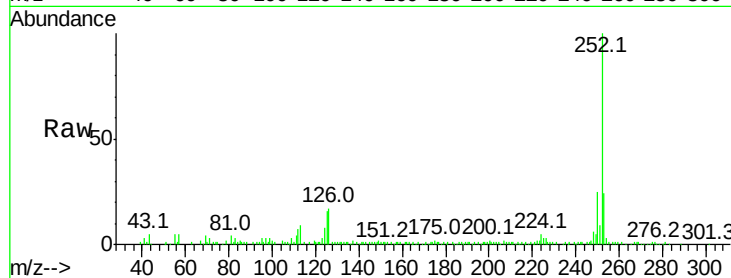
Tot Ion:252 Resp: 154298

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

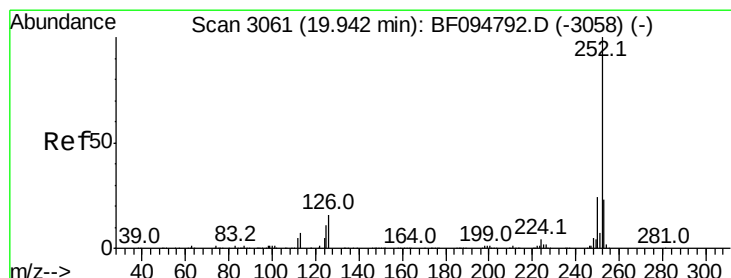
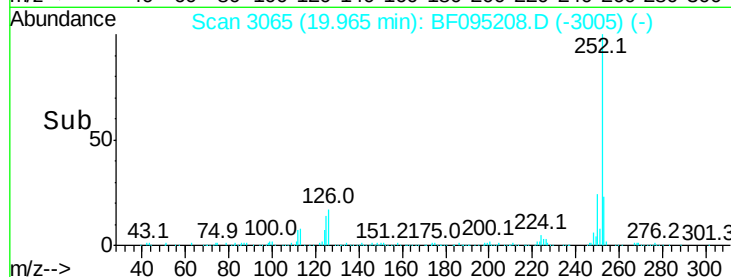
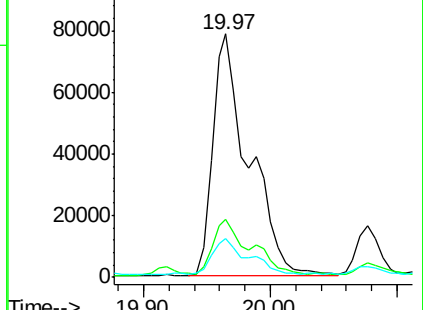
125 15.8 9.8 14.8#



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: 17.98 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.02 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

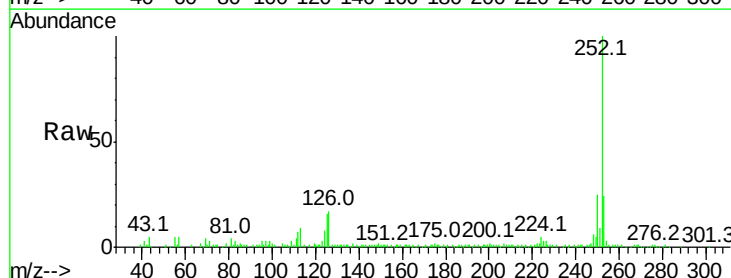
Tgt Ion:252 Resp: 154298

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

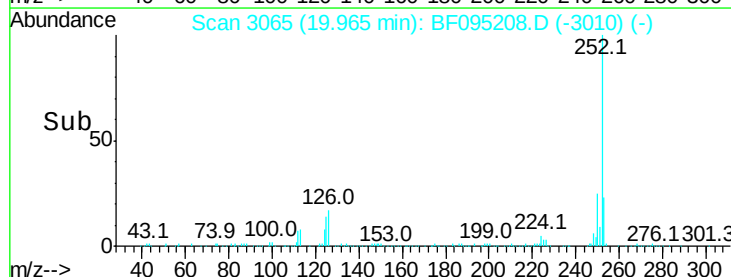
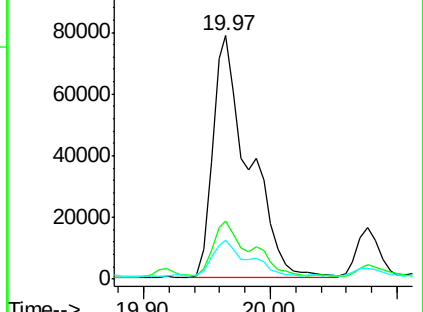
125 15.8 13.1 19.7

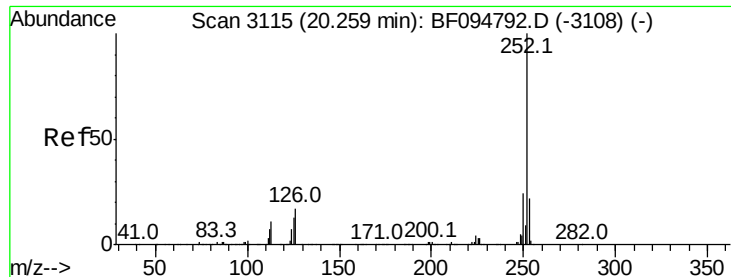


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.91 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.06 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

Instrument :

BNA_F

ClientSampled :

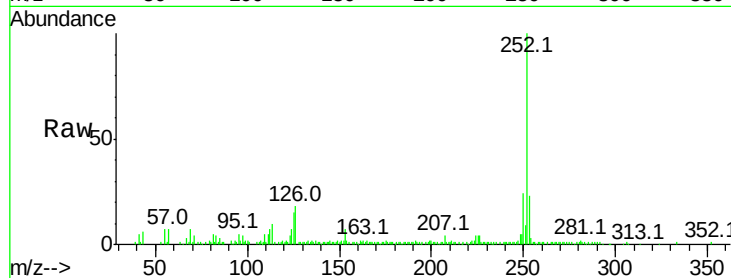
Tot Ion:252 Resp: 89580

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

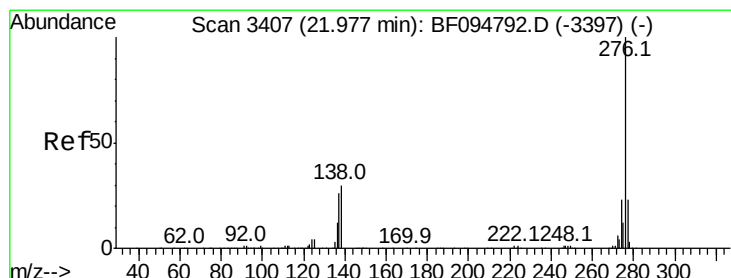
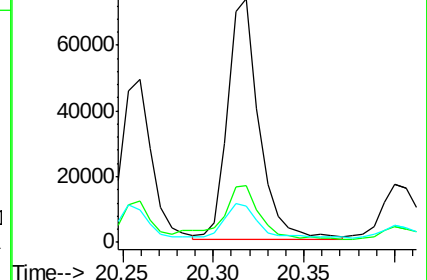
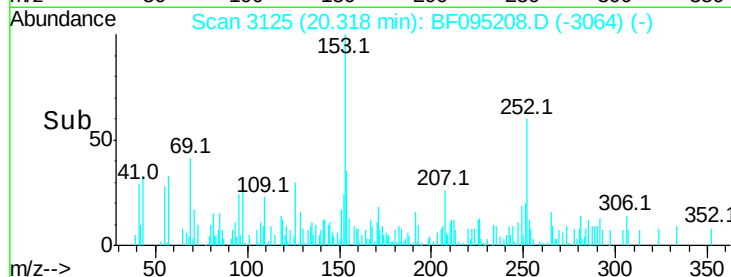
125 14.9 11.0 16.4



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: 5.78 ng

RT: 22.10 min Scan# 3428

Delta R.T. 0.12 min

Lab File: BF095208.D

Acq: 18 May 2017 3:38

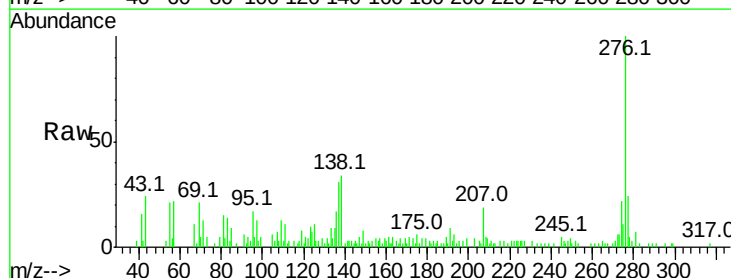
Tgt Ion:276 Resp: 38430

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 34.1 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

