

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095412.D
 Acq On : 25 May 2017 7:13
 Operator : SJ/MA
 Sample : I3300-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 08:15:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

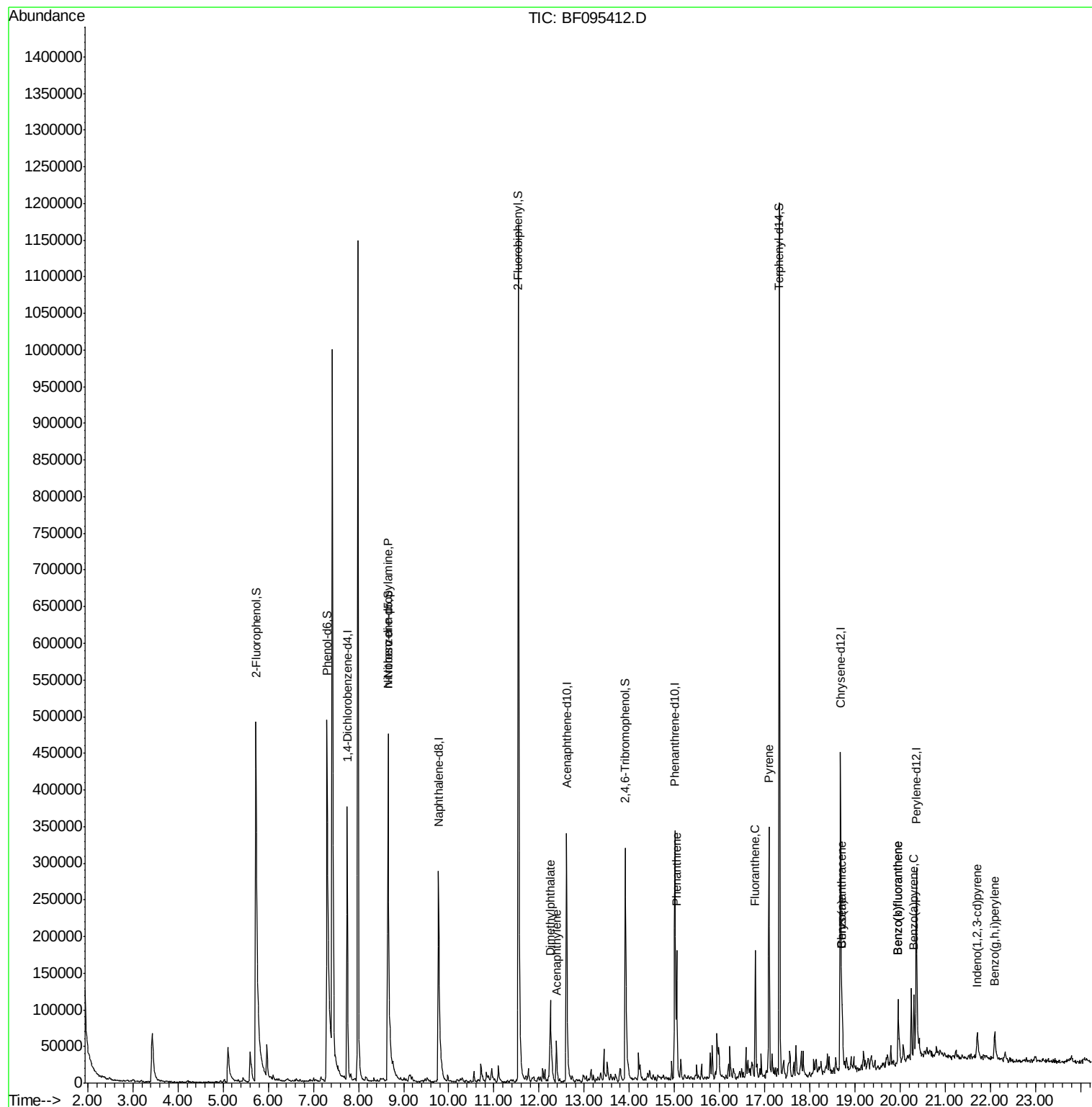
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	83204	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	300580	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	121595	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	203260	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	188138	20.00	ng	-0.01
86) Perylene-d12	20.36	264	124896	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	458164	91.81	ng	-0.01
7) Phenol-d6	7.30	99	547079	91.36	ng	-0.01
23) Nitrobenzene-d5	8.65	82	365359	76.65	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	78477	78.81	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	660497	78.18	ng	-0.02
78) Terphenyl-d14	17.32	244	474221	55.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.65	70	42166	10.41	ng	# 80
48) Acenaphthylene	12.38	152	43000	3.32	ng	97
49) Dimethylphthalate	12.25	163	100367	10.05	ng	# 96
70) Phenanthrene	15.05	178	112616	9.64	ng	98
74) Fluoranthene	16.79	202	105799	8.83	ng	98
77) Pyrene	17.09	202	192478	13.68	ng	98
80) Benzo(a)anthracene	18.71	228	53354	4.87	ng	92
82) Chrysene	18.71	228	53354	5.04	ng	95
85) Indeno(1,2,3-cd)pyrene	21.71	276	26441	3.08	ng	99
87) Benzo(b)fluoranthene	19.96	252	62969	8.16	ng	# 96
88) Benzo(k)fluoranthene	19.96	252	62969	8.46	ng	98
89) Benzo(a)pyrene	20.31	252	41710	5.86	ng	# 94
91) Benzo(a,h,i)perylene	22.09	276	35373	6.13	ng	95

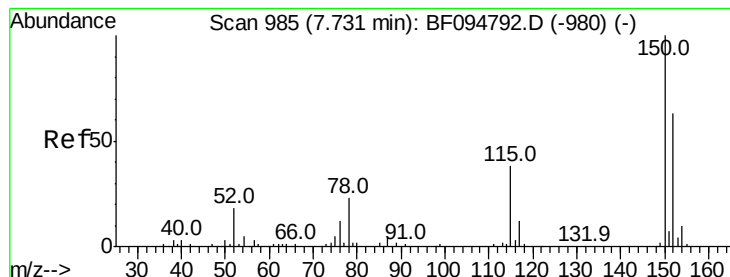
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.75 min Scan# 988

Delta R.T. -0.02 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampled :

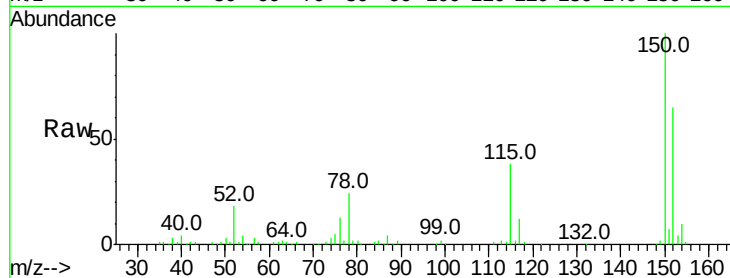
Tot Ion:152 Resp: 83204

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

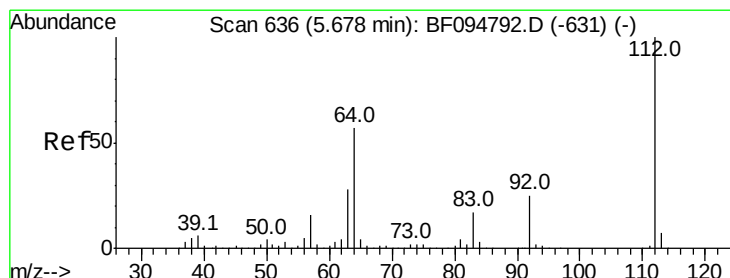
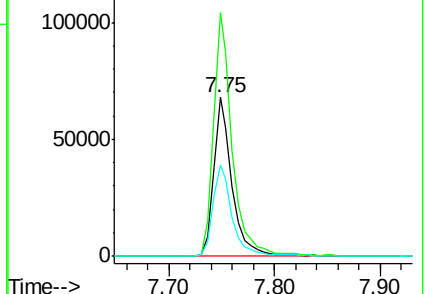
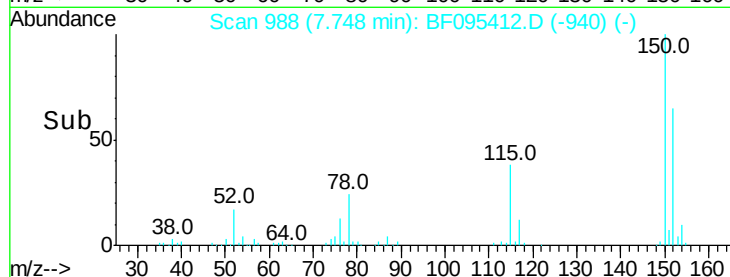
115 57.8 52.2 78.2



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: 91.81 ng

RT: 5.72 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

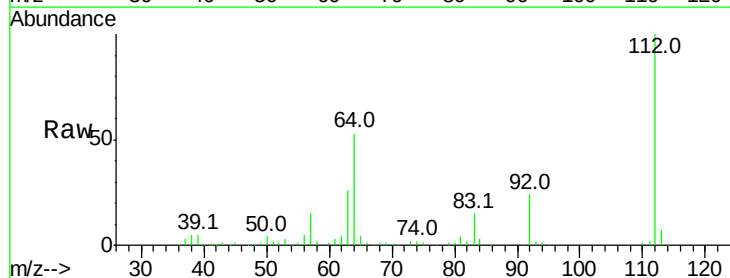
Tgt Ion:112 Resp: 458164

Ion Ratio Lower Upper

112 100

64 53.5 46.0 69.0

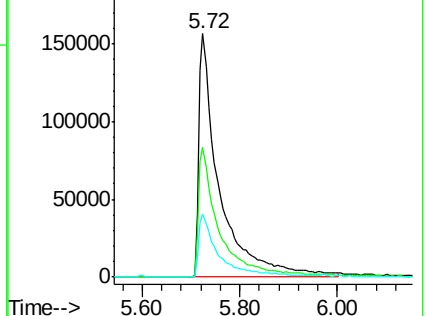
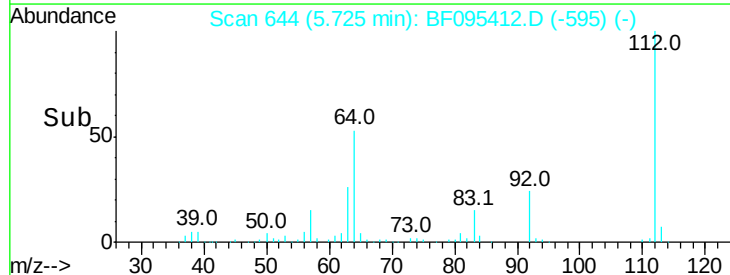
63 25.9 23.4 35.0

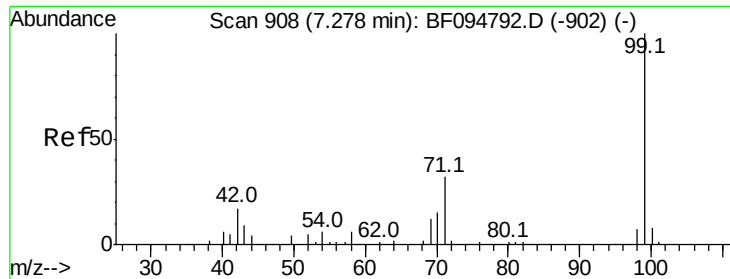


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.36 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampled :

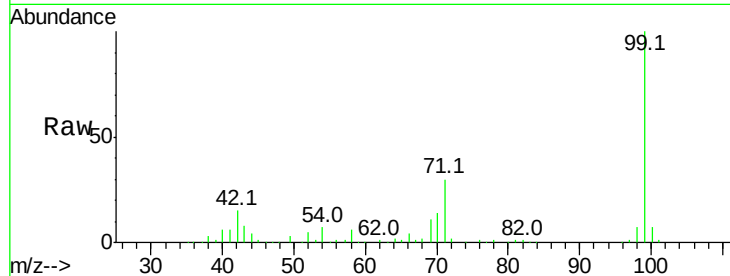
Tot Ion: 99 Resp: 547079

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

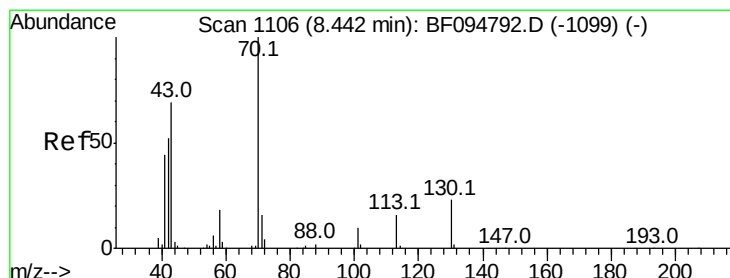
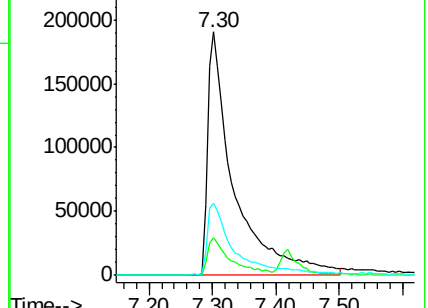
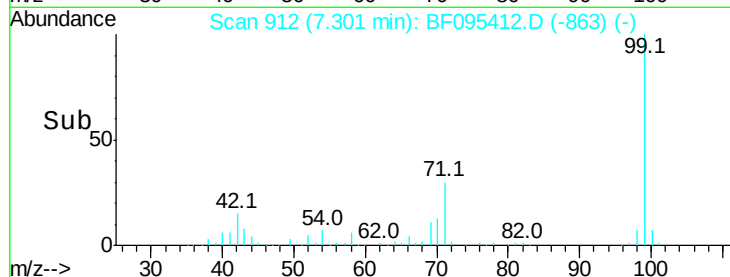
71 29.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.41 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Tgt Ion: 70 Resp: 42166

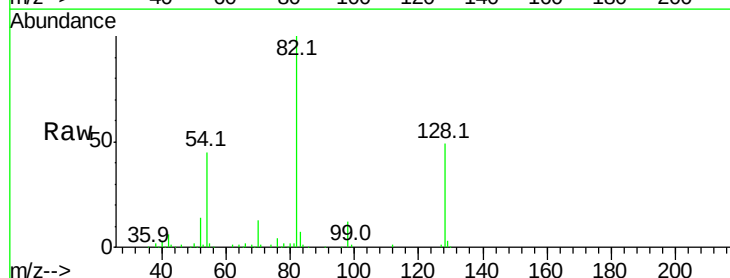
Ion Ratio Lower Upper

70 100

42 48.4 47.2 70.8

101 0.0 7.2 10.8#

130 3.2 15.9 23.9#

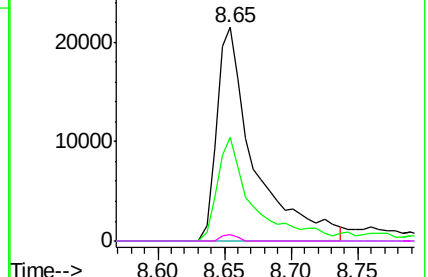
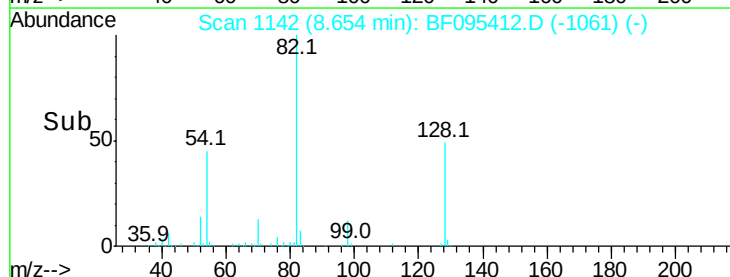


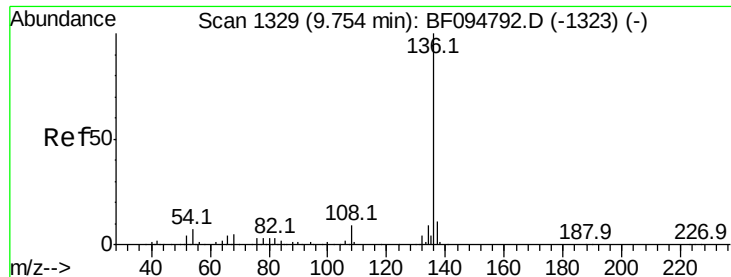
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 300580

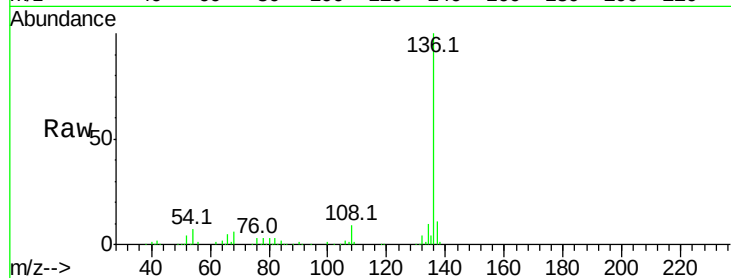
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.2 4.9 7.3

68 5.9 4.1 6.1

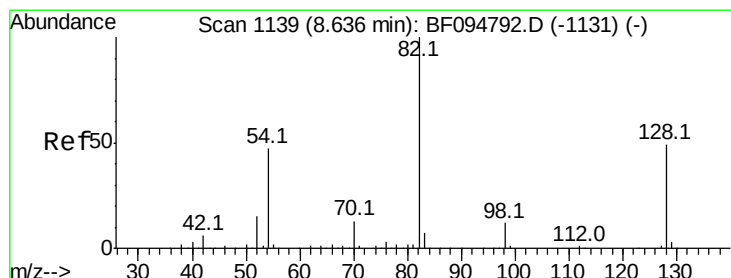
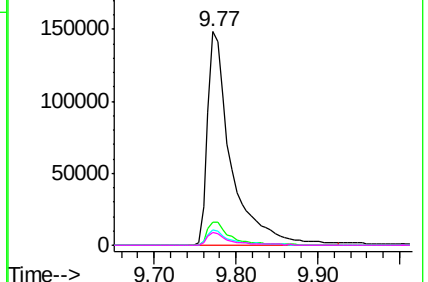
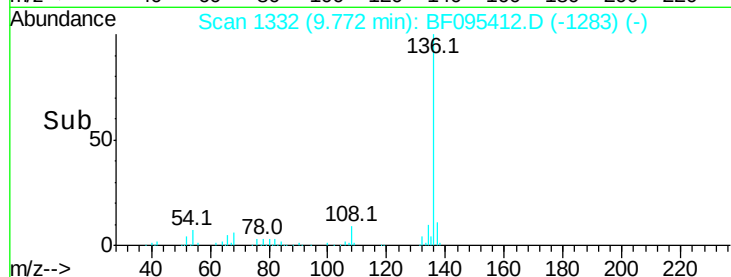


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.65 ng

RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

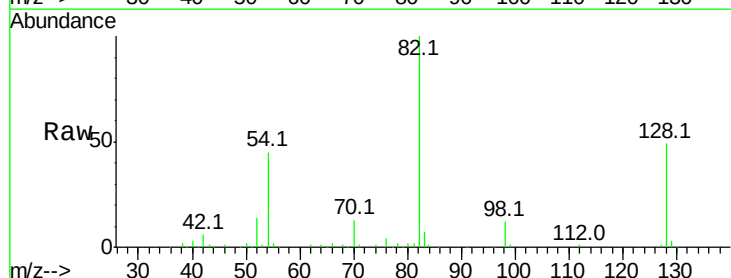
Tgt Ion: 82 Resp: 365359

Ion Ratio Lower Upper

82 100

128 49.1 34.0 51.0

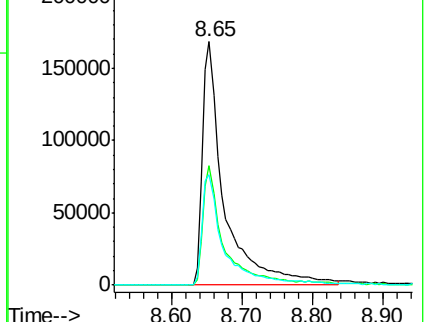
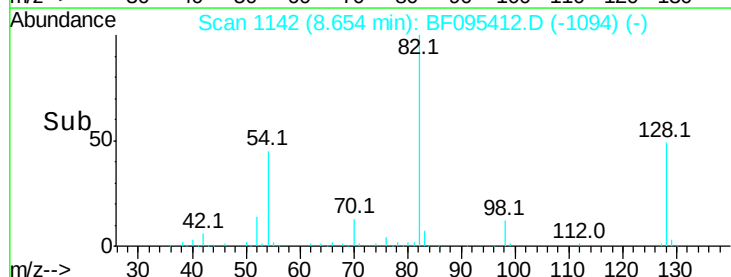
54 45.4 42.2 63.2

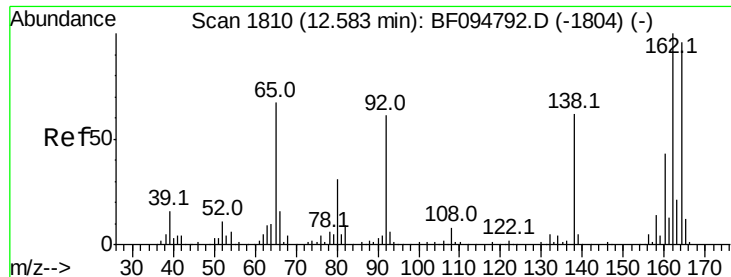


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampleId :

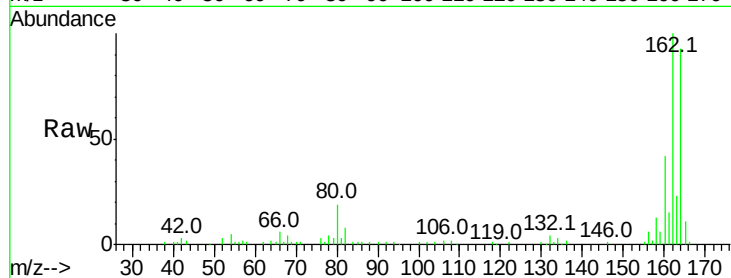
Tot Ion:164 Resp: 121595

Ion Ratio Lower Upper

164 100

162 107.3 82.6 123.8

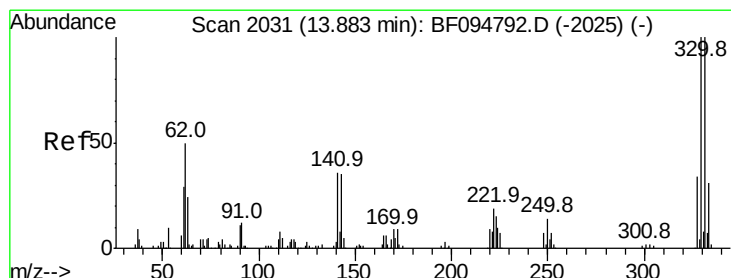
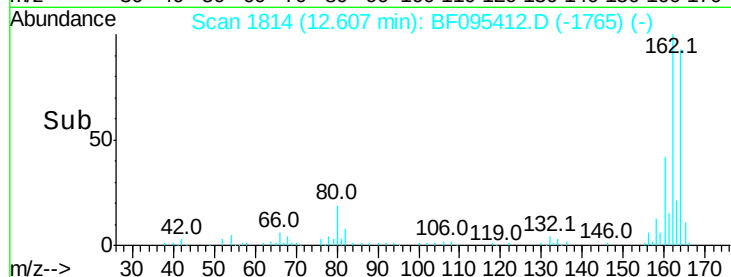
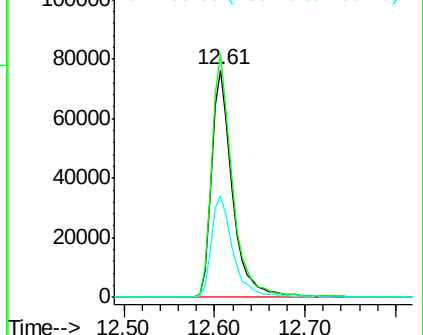
160 44.6 36.2 54.2



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: 78.81 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

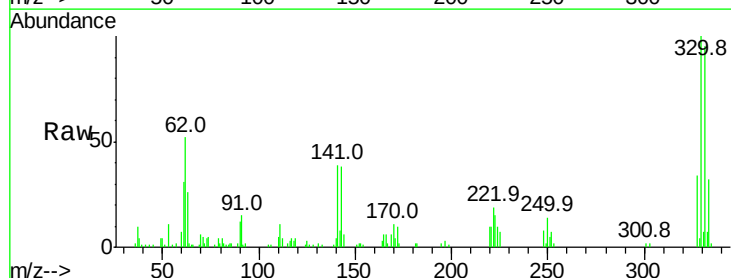
Tgt Ion:330 Resp: 78477

Ion Ratio Lower Upper

330 100

332 93.0 76.6 115.0

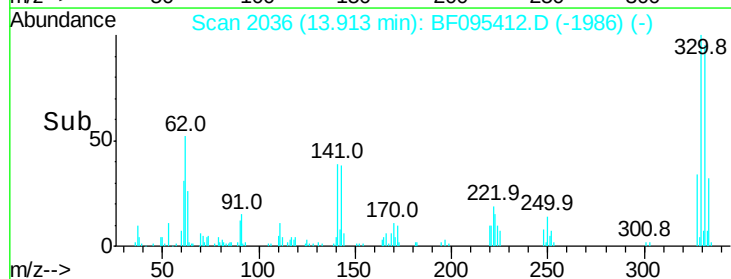
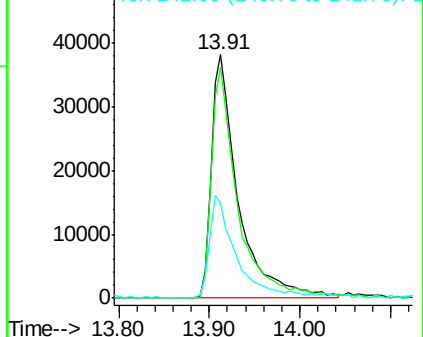
141 41.7 31.4 47.2

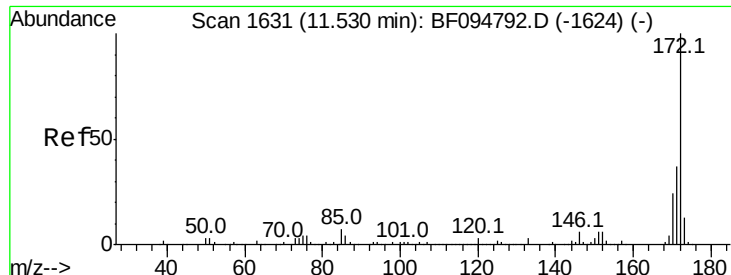


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

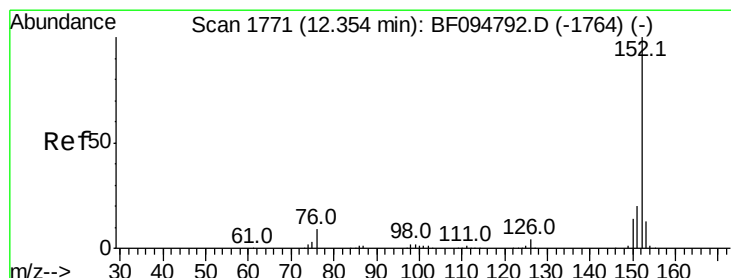
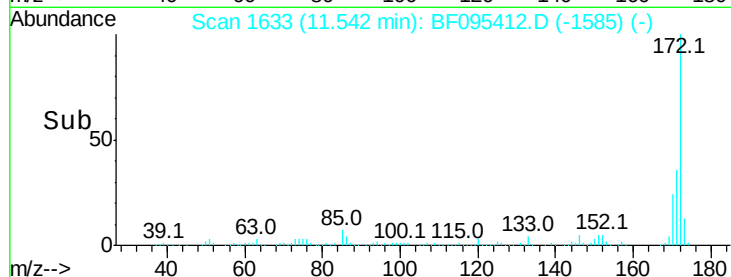
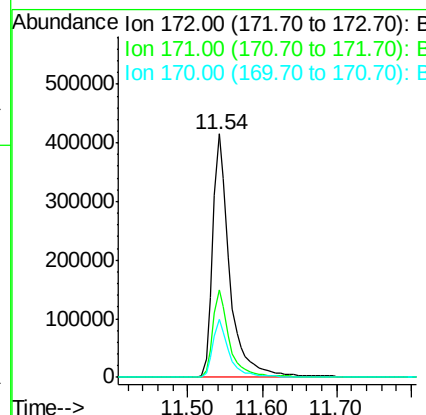
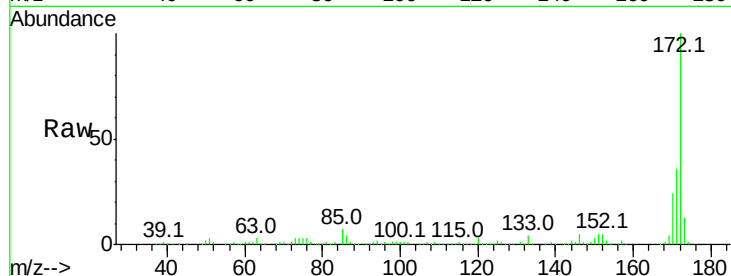




#44
2-Fluorobiphenyl
Concen: 78.18 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

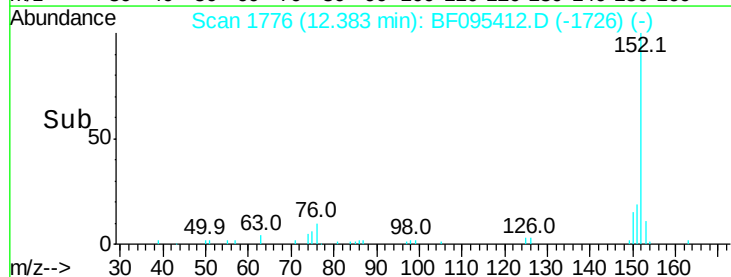
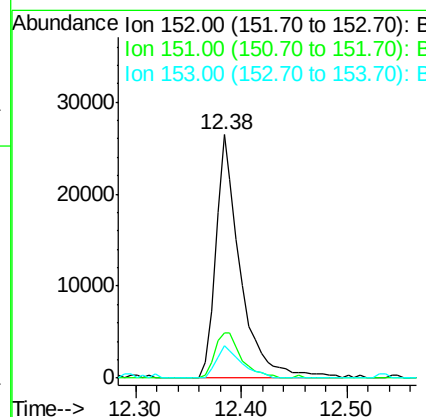
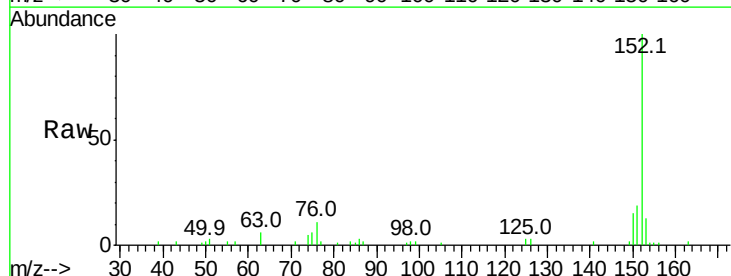
Instrument :
BNA_F
ClientSampled :

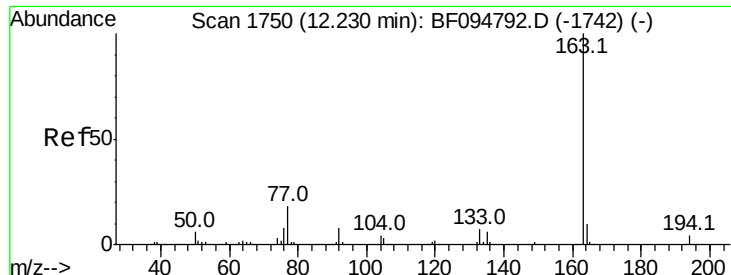
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.6	19.8	29.8



#48
Acenaphthylene
Concen: 3.32 ng
RT: 12.38 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.8	25.2
153	13.3	10.8	16.2





#49

Dimethylphthalate

Concen: 10.05 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampleId :

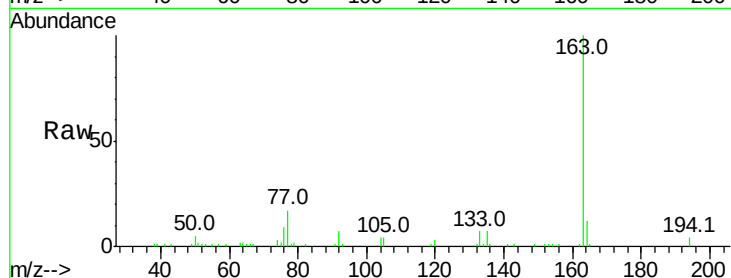
Tot Ion:163 Resp: 100367

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

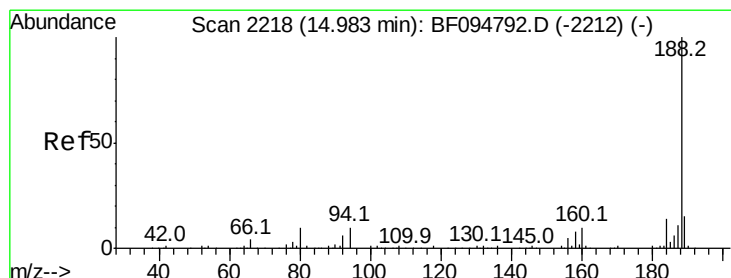
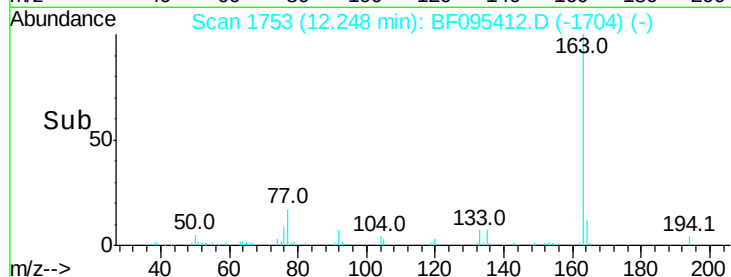
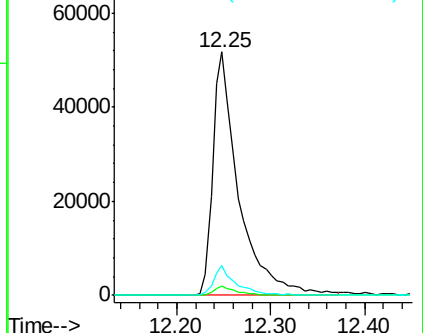
164 12.0 8.4 12.6



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: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

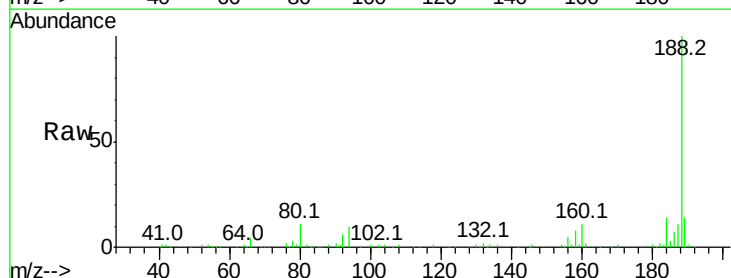
Tgt Ion:188 Resp: 203260

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

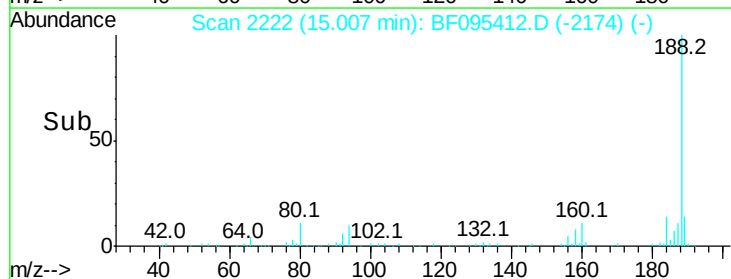
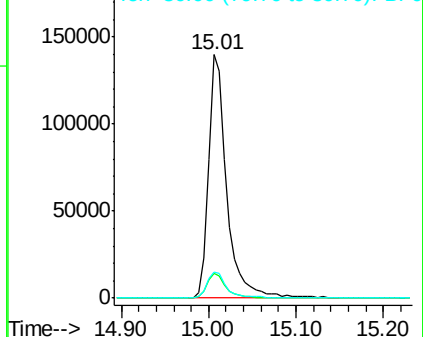
80 10.9 10.2 15.2

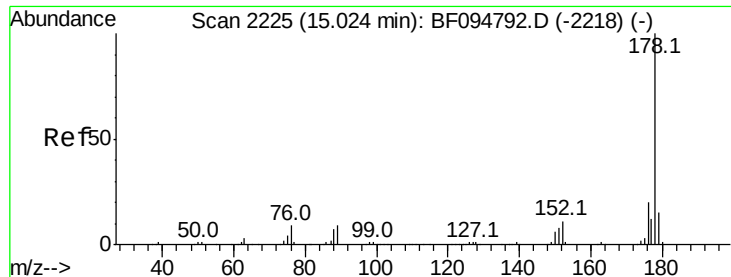


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.64 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampleId :

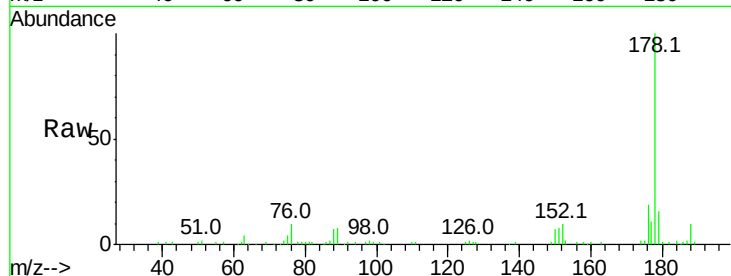
Tot Ion:178 Resp: 112616

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

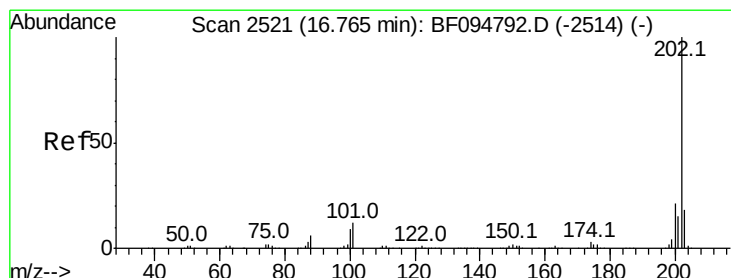
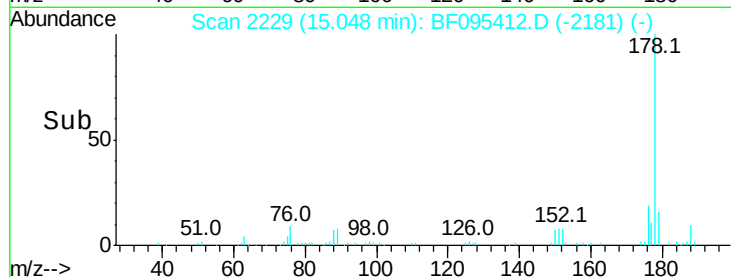
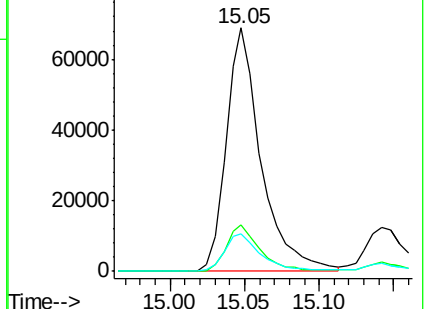
179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.83 ng

RT: 16.79 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

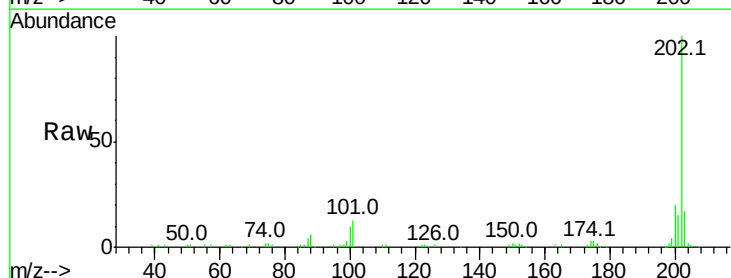
Tgt Ion:202 Resp: 105799

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

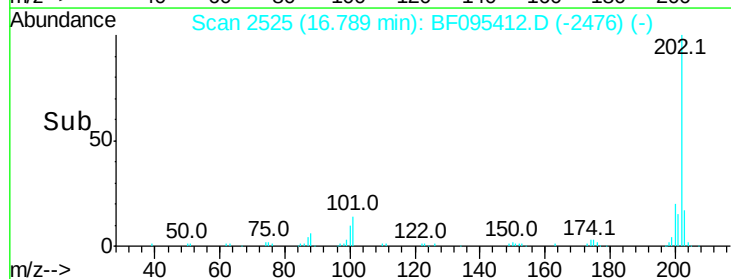
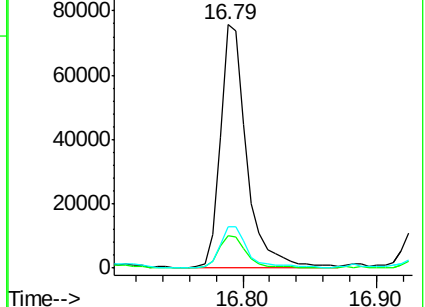
203 17.1 0.0 38.1

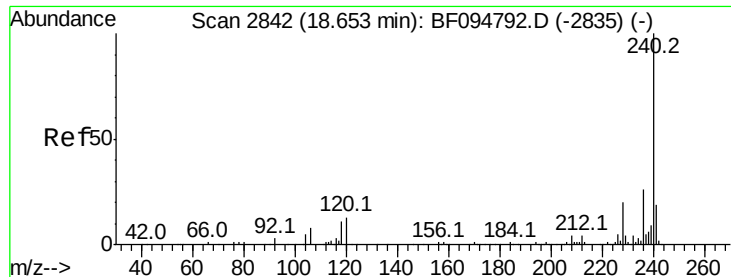


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

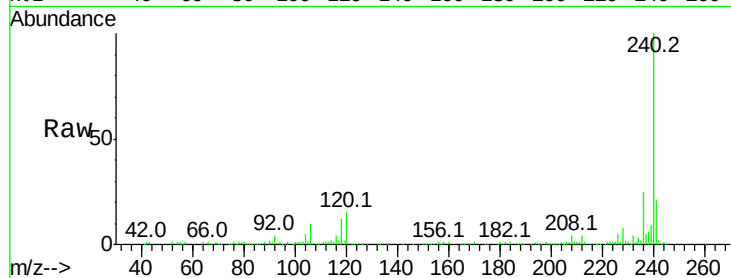




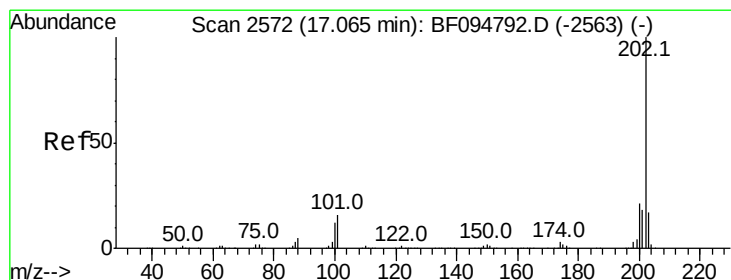
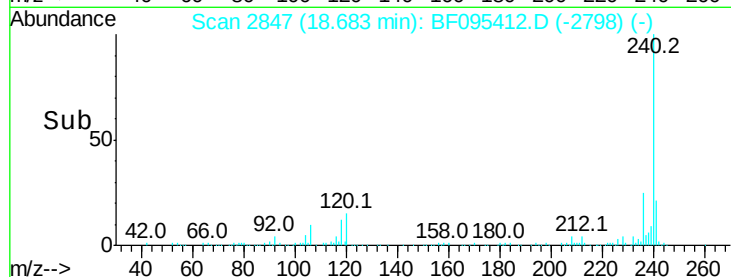
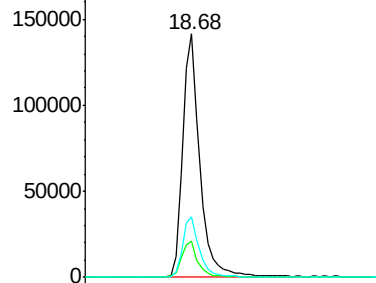
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 188138
Ion Ratio Lower Upper
240 100
120 14.8 5.8 8.8#
236 24.9 20.5 30.7

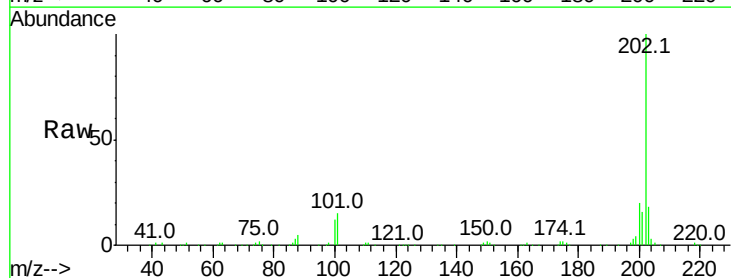


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

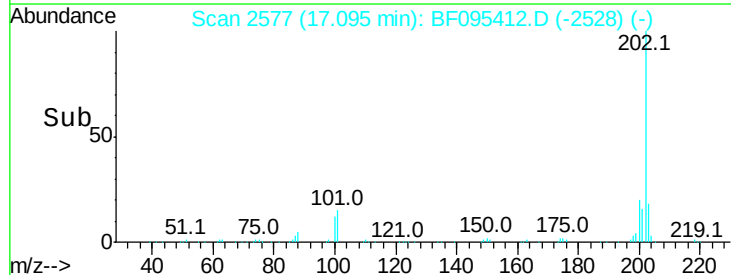
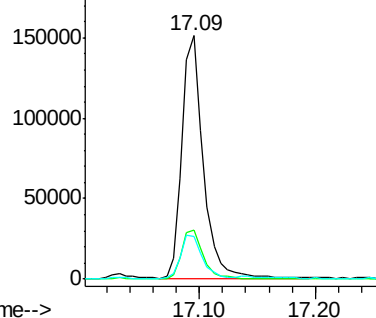


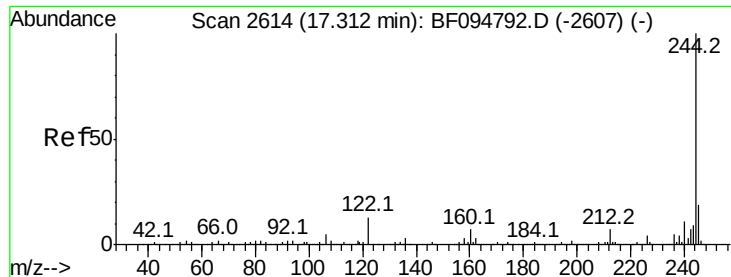
#77
Pyrene
Concen: 13.68 ng
RT: 17.09 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Tgt Ion:202 Resp: 192478
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 17.7 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

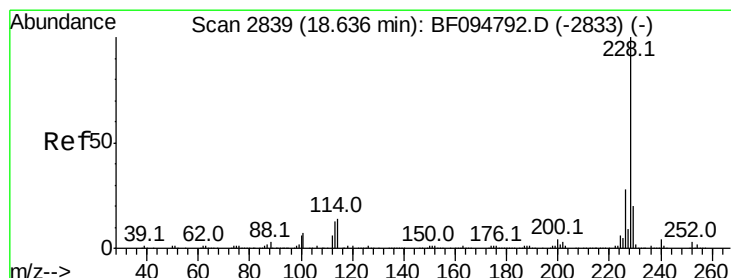
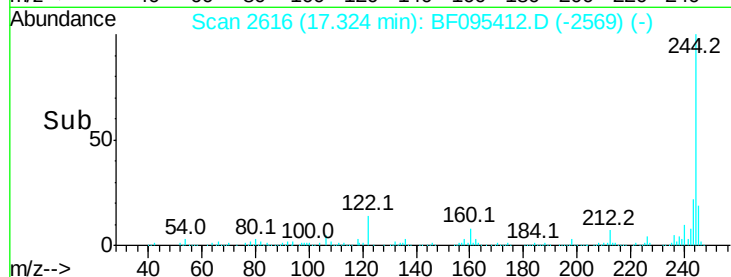
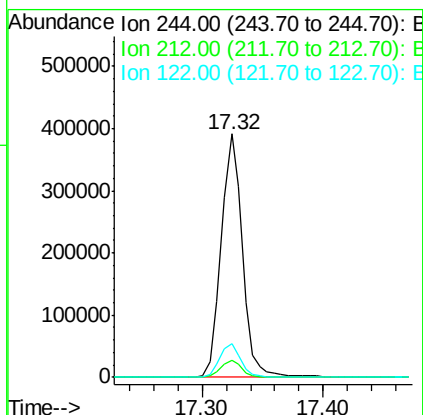
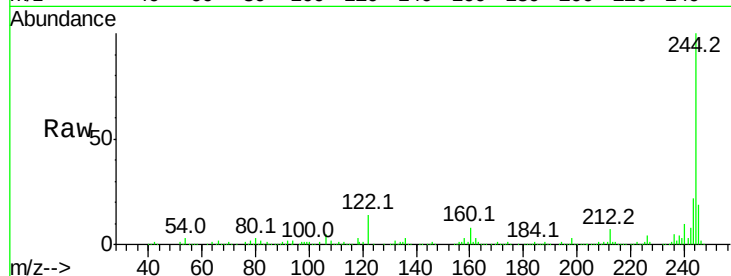




#78
 Terphenyl-d14
 Concen: 55.52 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095412.D
 Acq: 25 May 2017 7:13

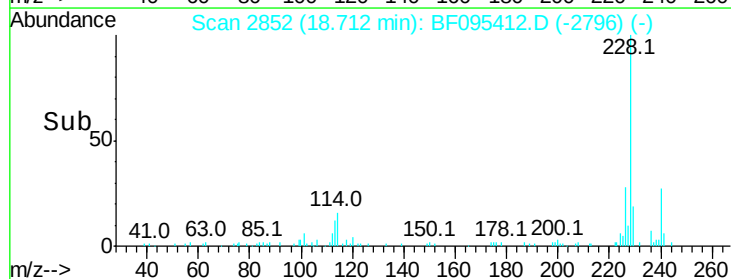
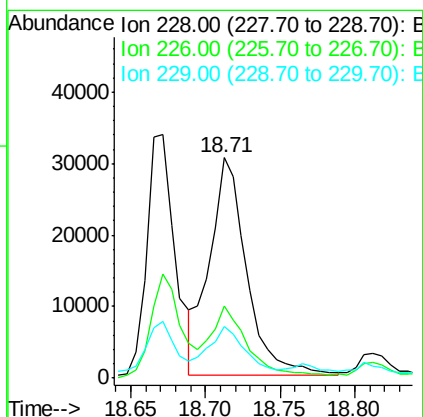
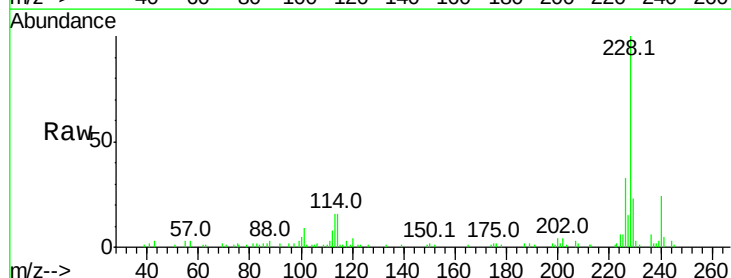
Instrument :
 BNA_F
 ClientSampleId :

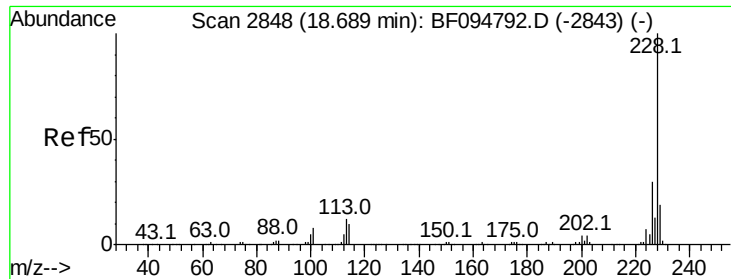
Tot Ion:244 Resp: 474221
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.87 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. 0.03 min
 Lab File: BF095412.D
 Acq: 25 May 2017 7:13

Tgt Ion:228 Resp: 53354
 Ion Ratio Lower Upper
 228 100
 226 32.6 22.6 33.8
 229 23.3 16.3 24.5

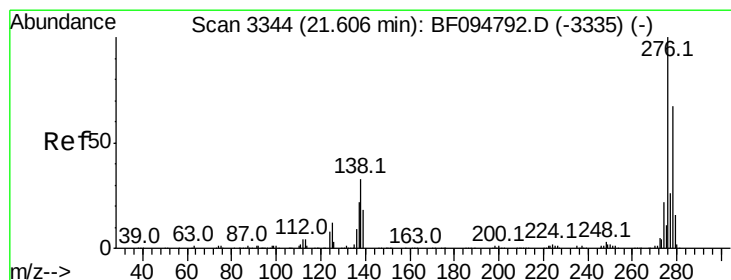
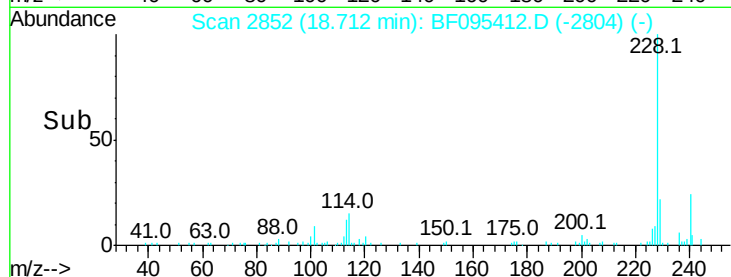
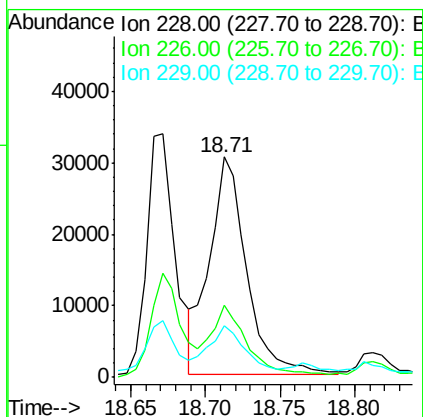
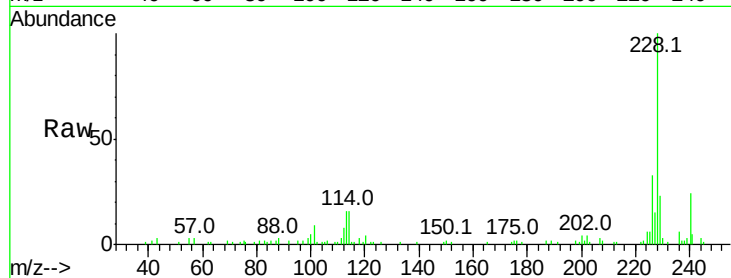




#82
Chrysene
Concen: 5.04 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

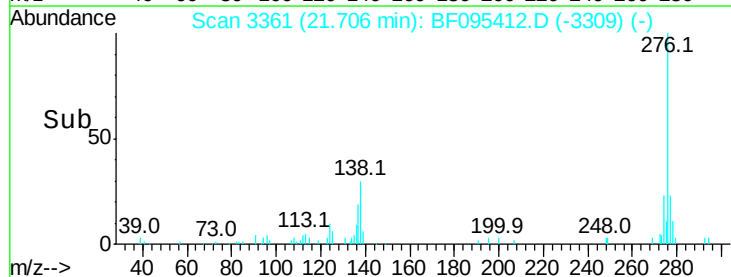
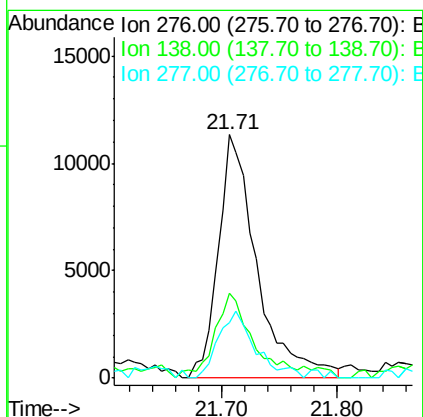
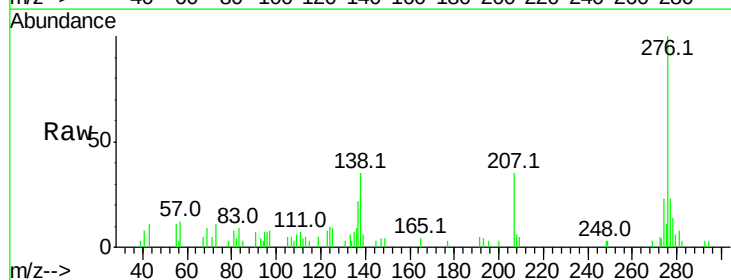
Instrument :
BNA_F
ClientSampleId :

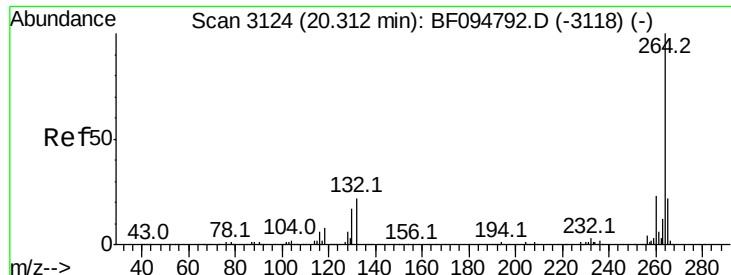
Tot Ion:228 Resp: 53354
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 23.3 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.08 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Tgt Ion:276 Resp: 26441
Ion Ratio Lower Upper
276 100
138 34.2 27.8 41.6
277 26.1 20.2 30.4

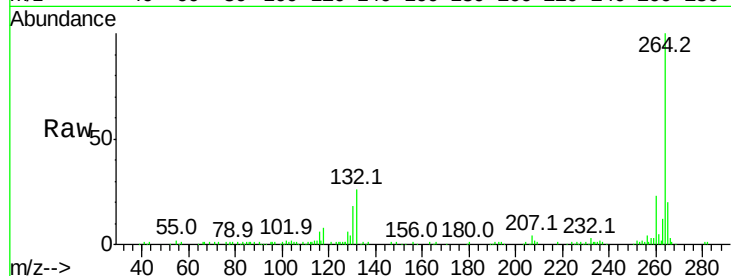




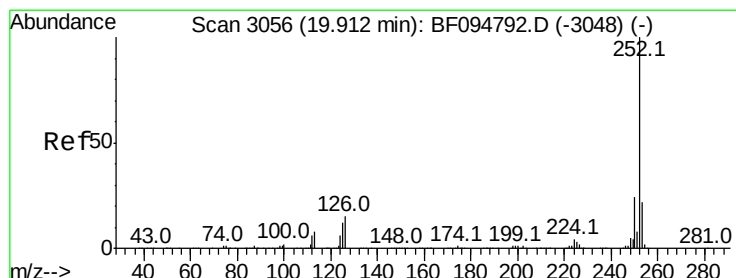
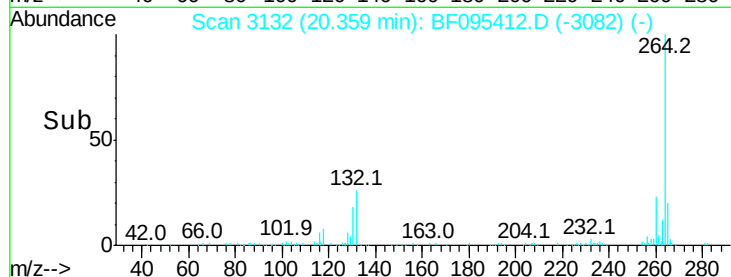
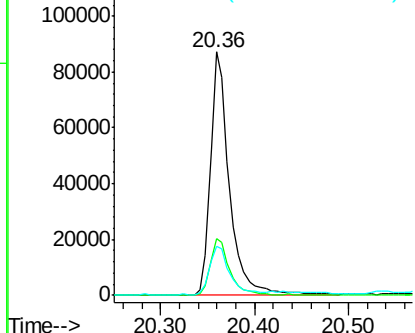
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 124896
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.1 17.2 25.8

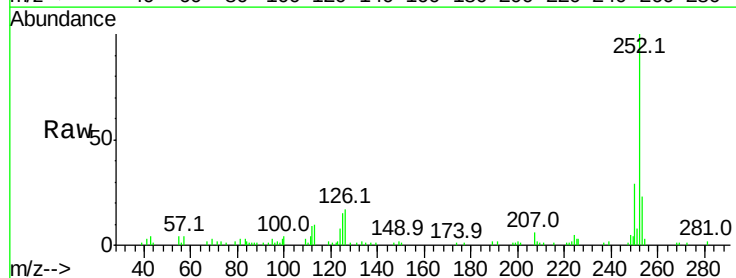


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

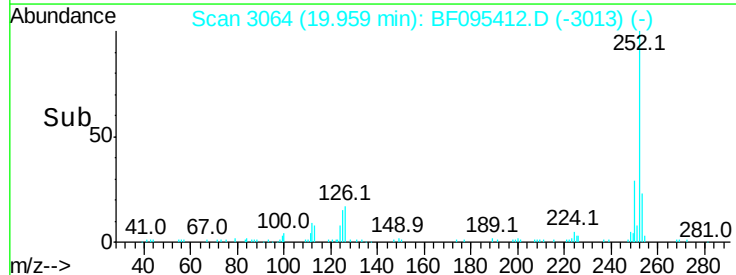
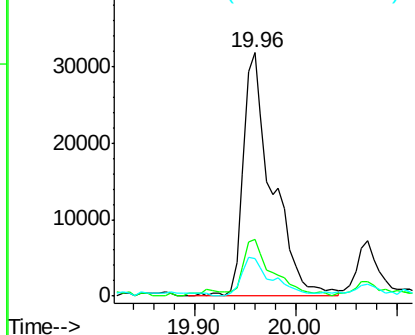


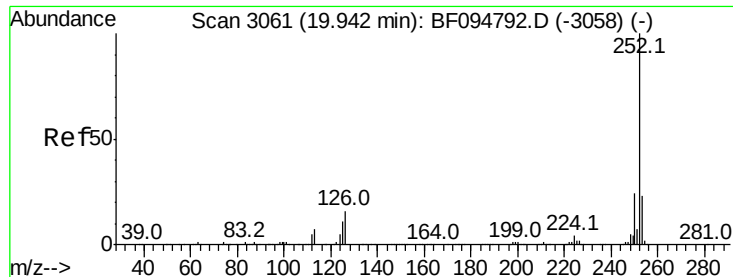
#87
Benzo(b)fluoranthene
Concen: 8.16 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Tgt Ion:252 Resp: 62969
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 15.4 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

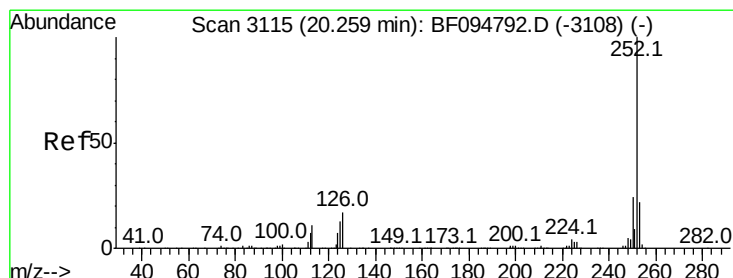
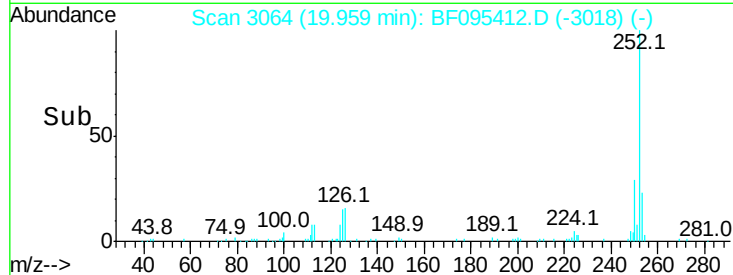
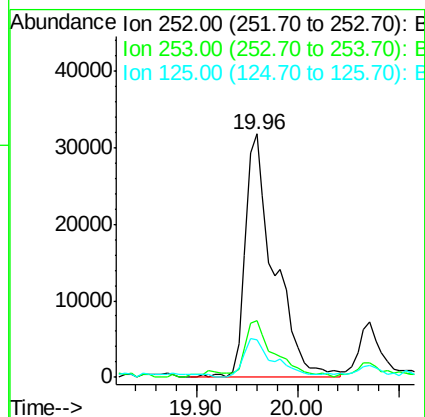
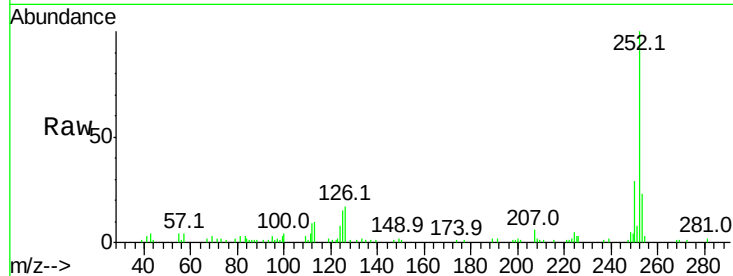




#88
Benzo(k)fluoranthene
Concen: 8.46 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

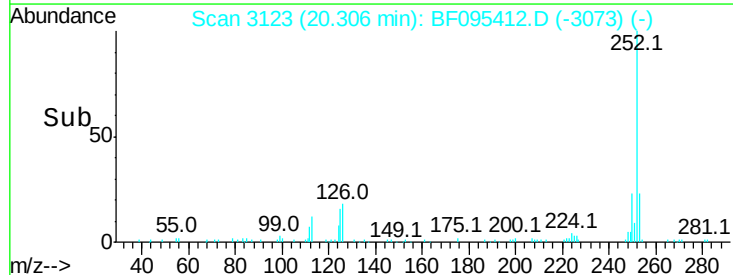
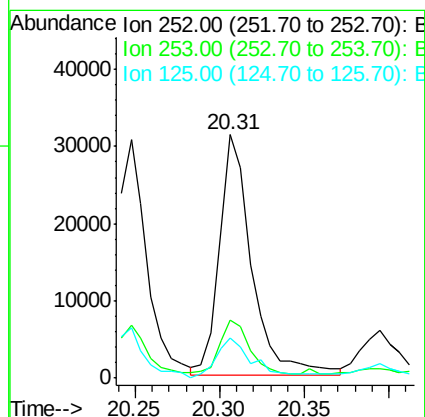
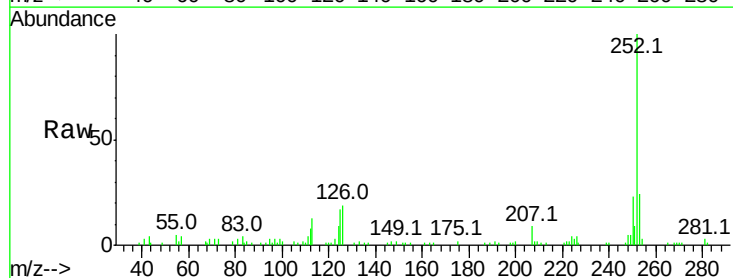
Instrument :
BNA_F
ClientSampleId :

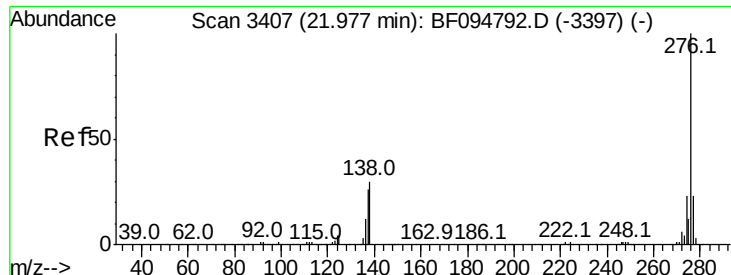
Tot Ion:252 Resp: 62969
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 15.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.86 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095412.D
Acq: 25 May 2017 7:13

Tgt Ion:252 Resp: 41710
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 16.5 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 6.13 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.01 min

Lab File: BF095412.D

Acq: 25 May 2017 7:13

Instrument :

BNA_F

ClientSampleId :

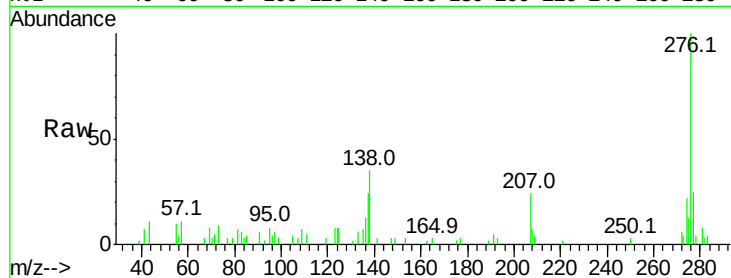
Tot Ion:276 Resp: 35373

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 34.7 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

