

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095567.D
 Acq On : 31 May 2017 16:55
 Operator : SJ/MA
 Sample : I3329-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:31:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

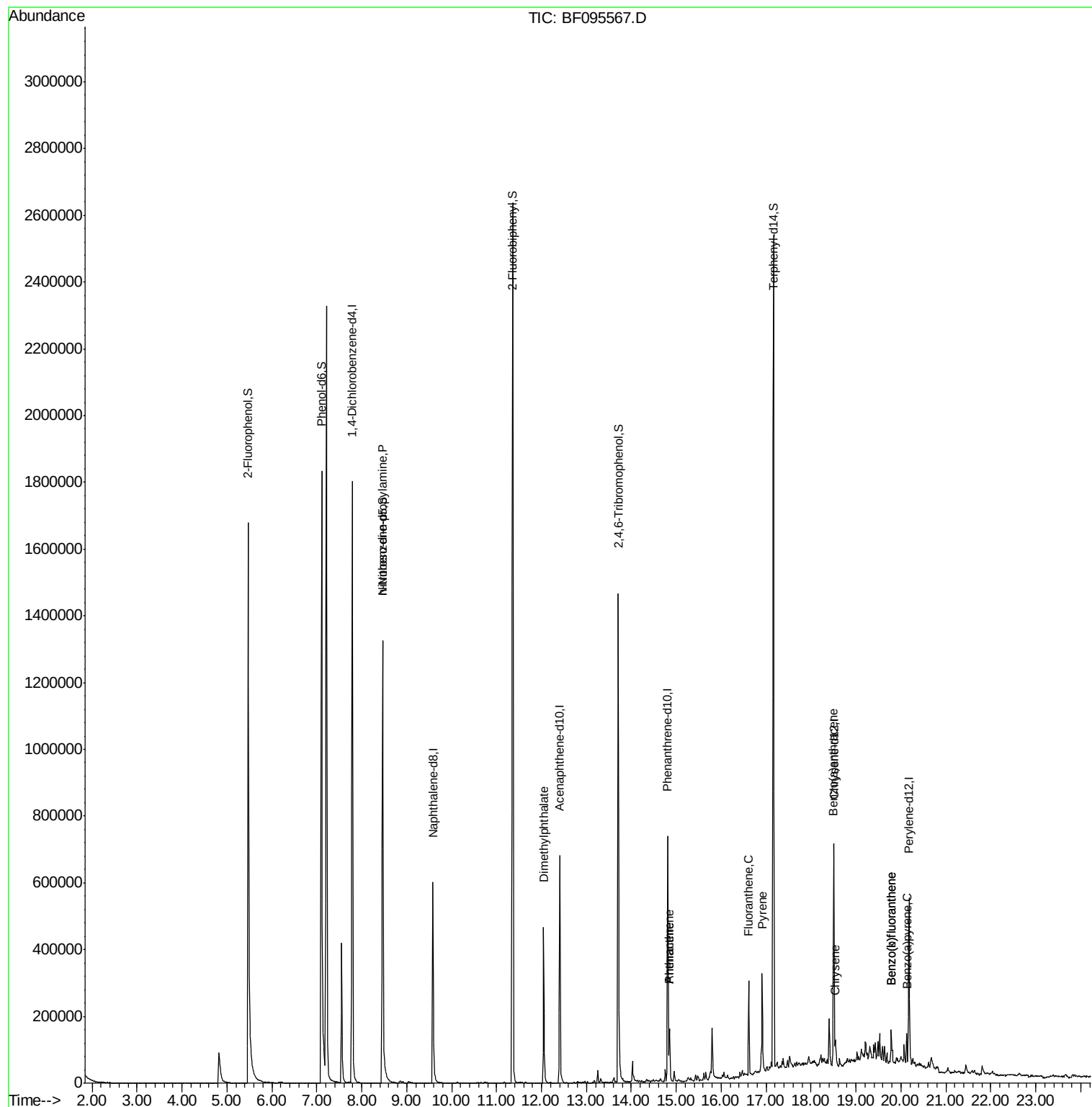
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	427485	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	457275	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	196069	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	381183	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	264293	20.00	ng	-0.17
86) Perylene-d12	20.18	264	209959	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	920642	35.91	ng	-0.24
7) Phenol-d6	7.11	99	1185984	38.55	ng	-0.19
23) Nitrobenzene-d5	8.47	82	713040	98.33	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	266385	165.90	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	1341624	98.49	ng	-0.18
78) Terphenyl-d14	17.16	244	1090977	90.92	ng	-0.16
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.47	70	91689	4.41	ng	# 75
49) Dimethylphthalate	12.05	163	293934	18.26	ng	99
70) Phenanthrene	14.85	178	101634	4.64	ng	95
71) Anthracene	14.85	178	101634	4.54	ng	96
74) Fluoranthene	16.61	202	144686	6.44	ng	100
77) Pyrene	16.91	202	132722	6.71	ng	# 95
80) Benzo(a)anthracene	18.49	228	46203	3.00	ng	96
82) Chrysene	18.54	228	45817	3.08	ng	98
87) Benzo(b)fluoranthene	19.78	252	44406	3.42	ng	# 95
88) Benzo(k)fluoranthene	19.78	252	44406	3.55	ng	99
89) Benzo(a)pyrene	20.13	252	32967	2.75	ng	94

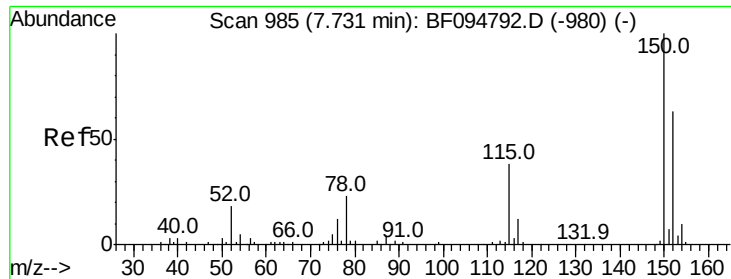
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampleId :

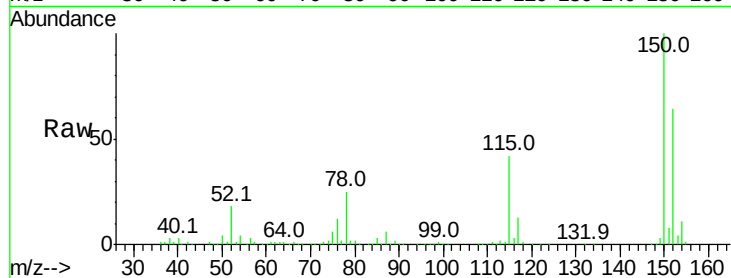
Tot Ion:152 Resp: 427485

Ion Ratio Lower Upper

152 100

150 156.6 126.2 189.2

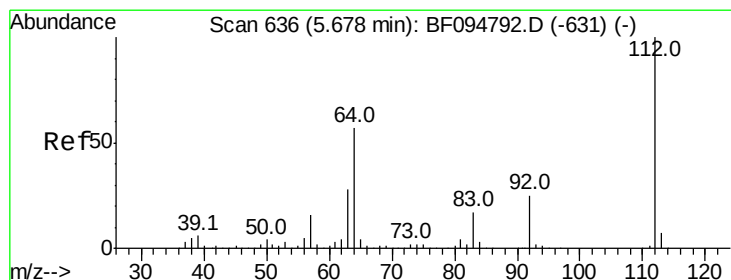
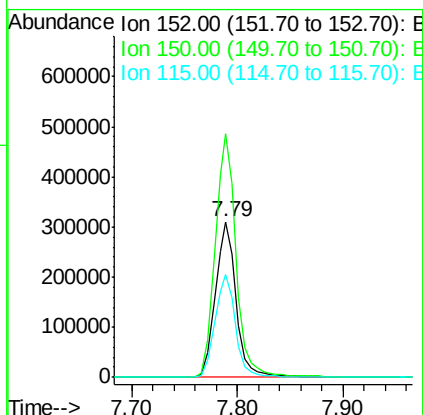
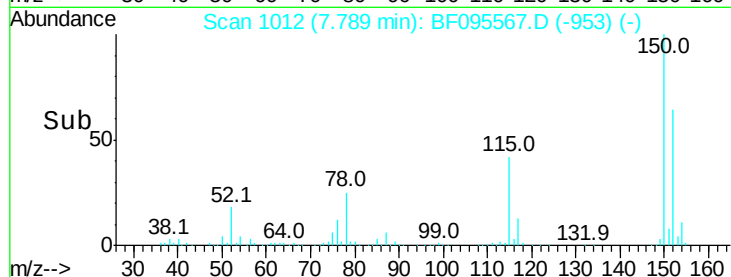
115 66.2 52.2 78.2



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: 35.91 ng

RT: 5.47 min Scan# 618

Delta R.T. -0.24 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

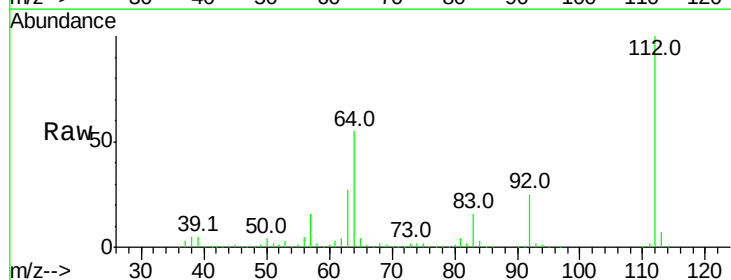
Tgt Ion:112 Resp: 920642

Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

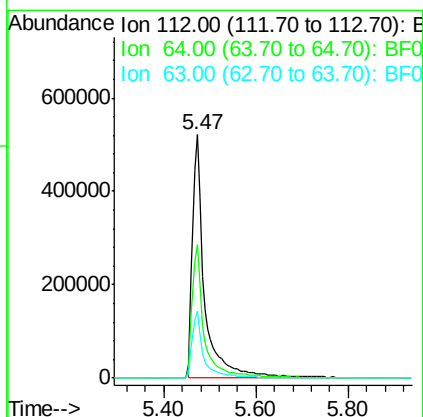
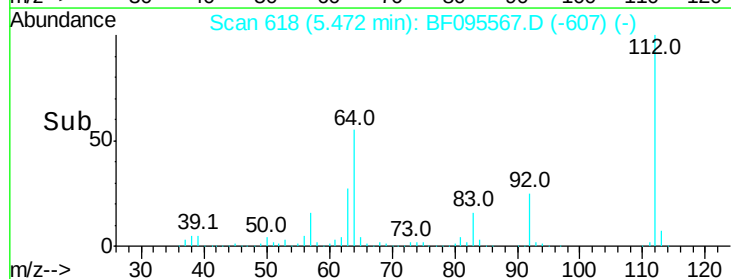
63 27.4 23.4 35.0

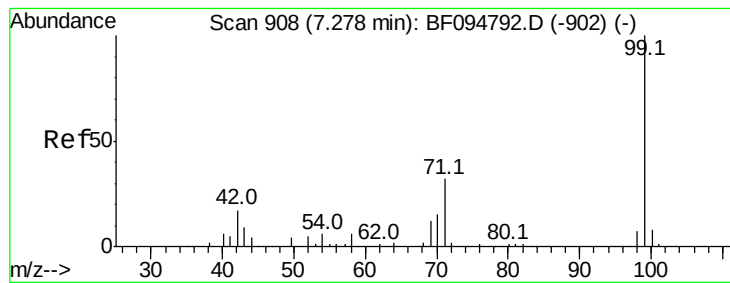


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.55 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

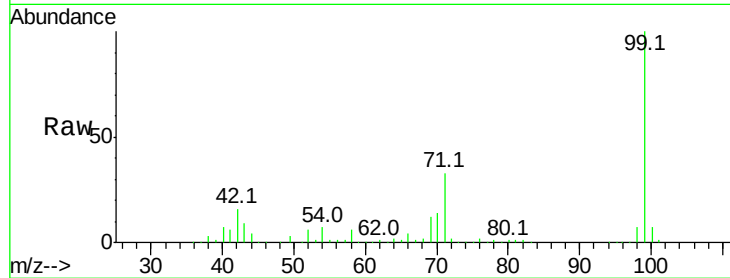
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1185984

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	32.6	24.5	36.7

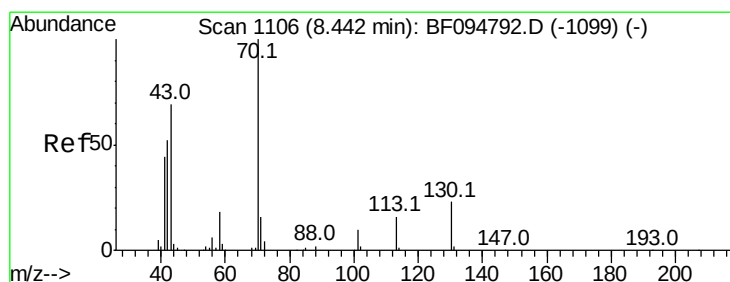
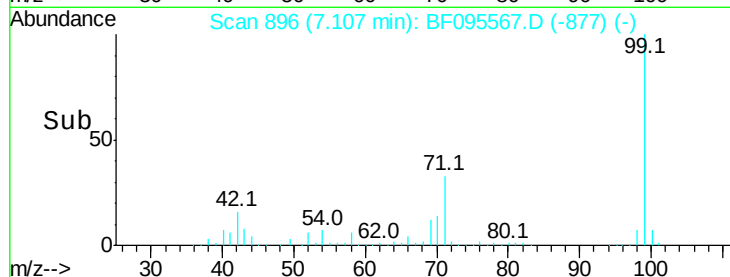
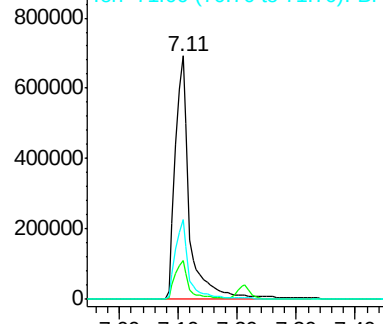


Abundance

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: 4.41 ng

RT: 8.47 min Scan# 1127

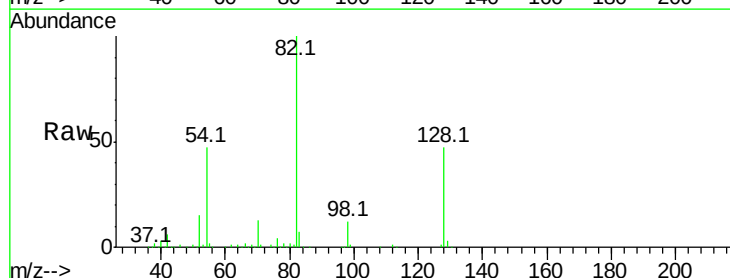
Delta R.T. 0.01 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Tgt Ion: 70 Resp: 91689

Ion	Ratio	Lower	Upper
70	100		
42	44.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



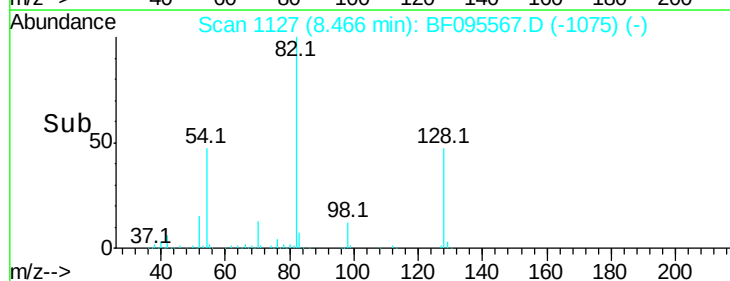
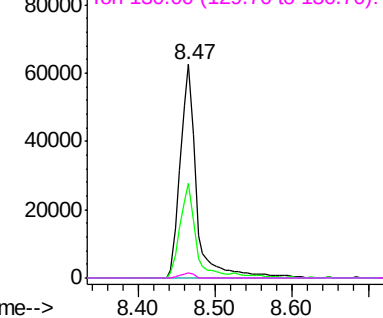
Abundance

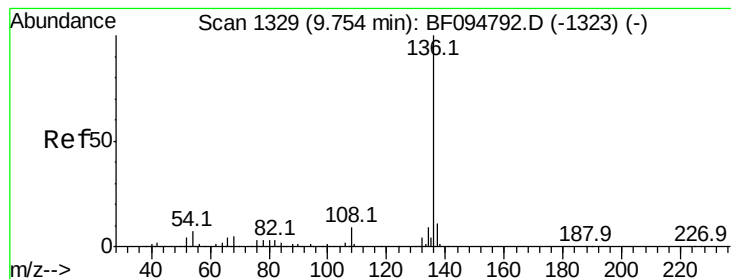
Ion 70.00 (69.70 to 70.70): BF0

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: 9.58 min Scan# 1317

Delta R.T. -0.18 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 457275

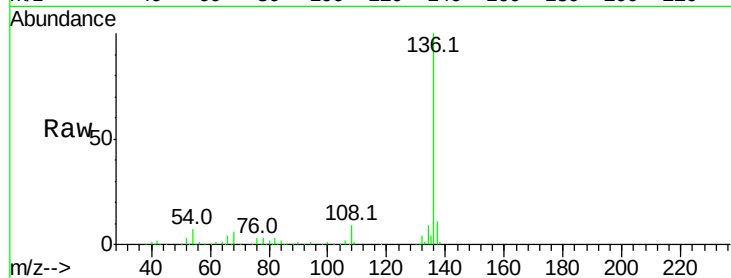
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.5 4.9 7.3

68 5.7 4.1 6.1

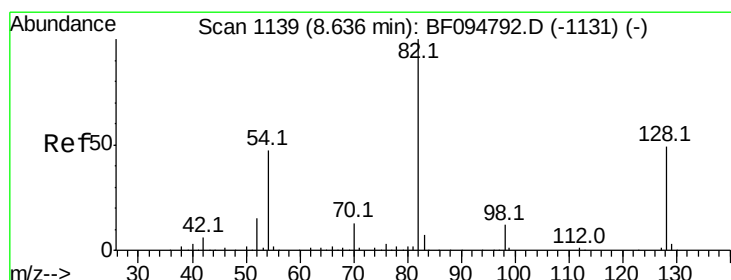
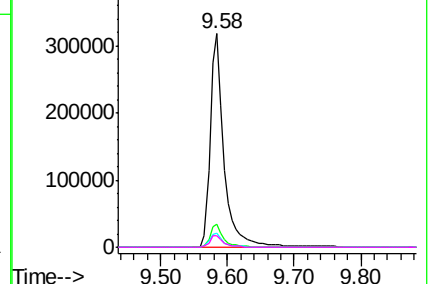
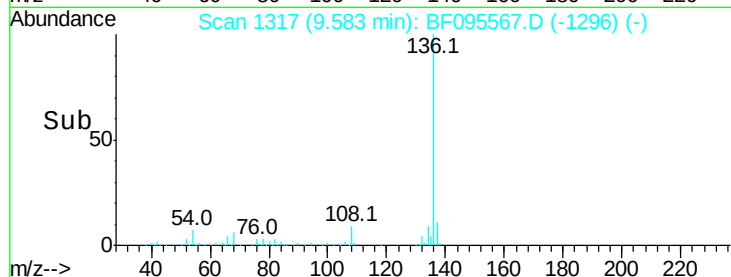


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.33 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

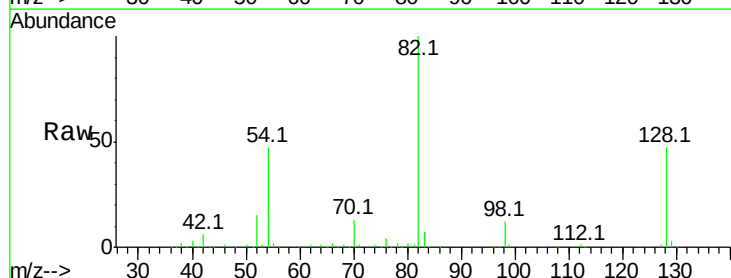
Tgt Ion: 82 Resp: 713040

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

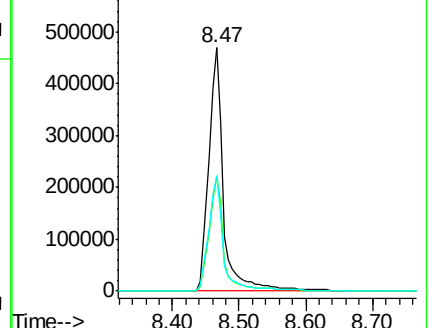
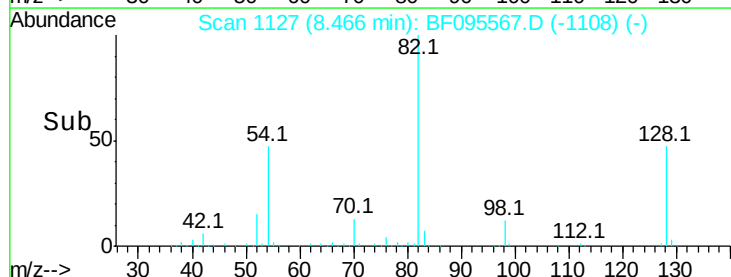
54 47.4 42.2 63.2

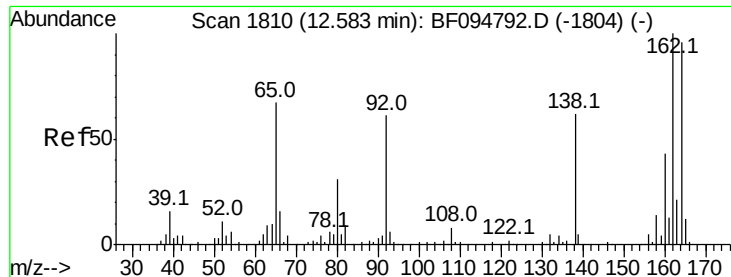


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampled :

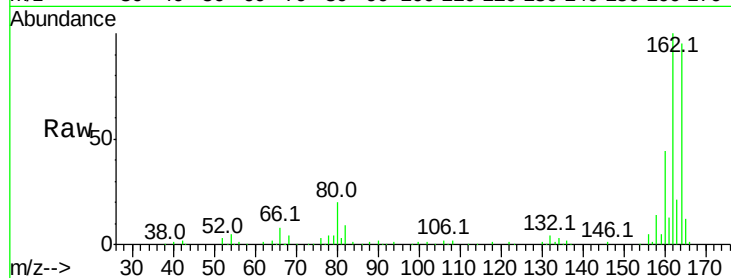
Tot Ion:164 Resp: 196069

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

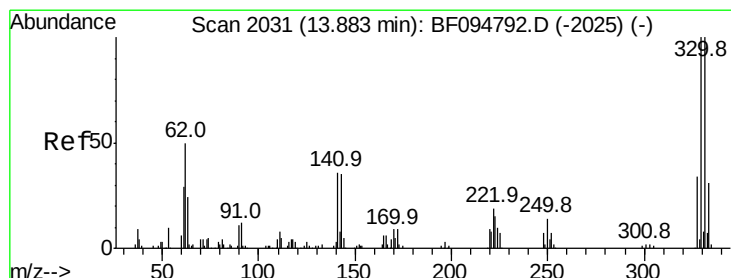
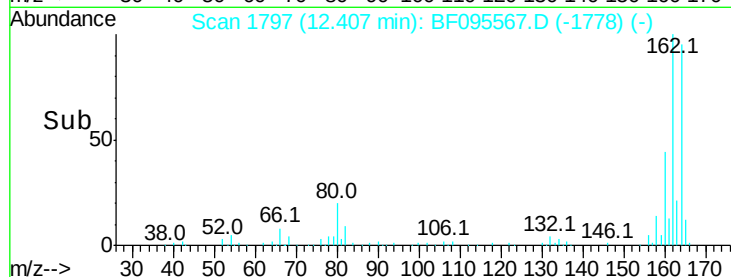
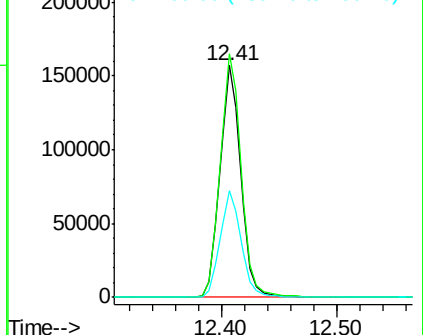
160 45.9 36.2 54.2



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: 165.90 ng

RT: 13.71 min Scan# 2019

Delta R.T. -0.19 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

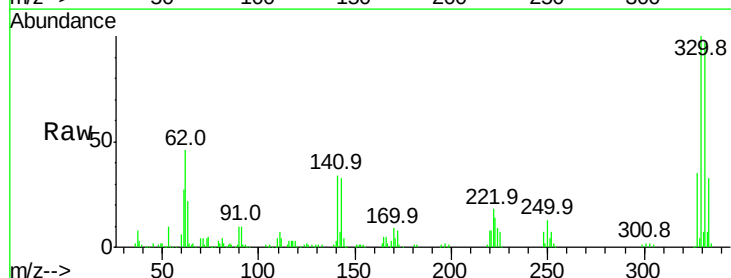
Tgt Ion:330 Resp: 266385

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

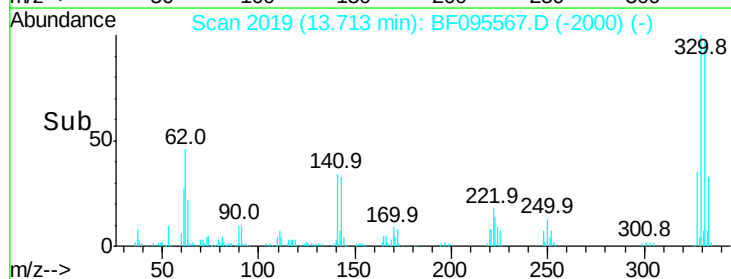
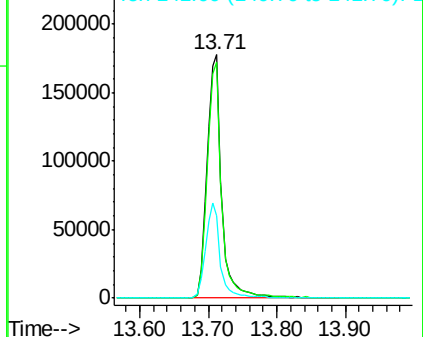
141 38.9 31.4 47.2

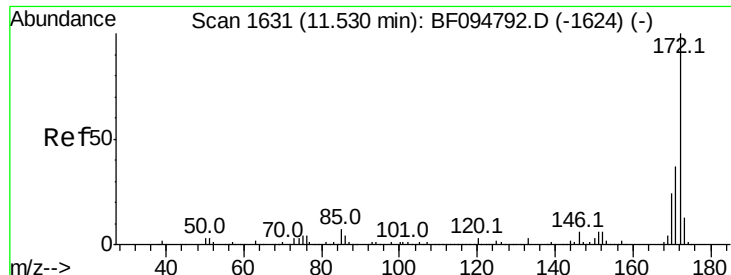


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

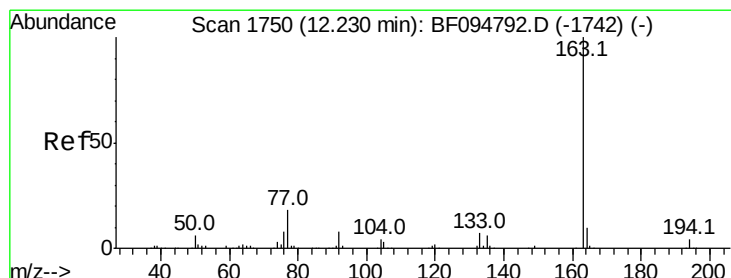
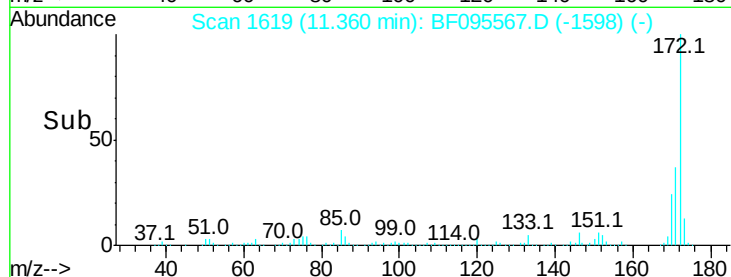
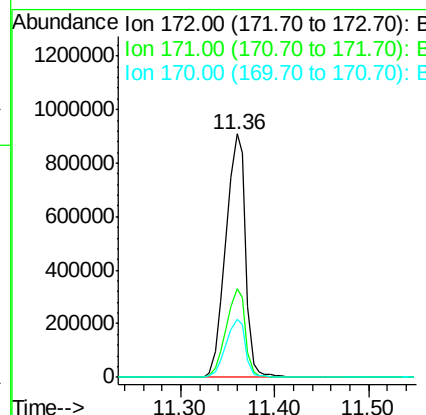
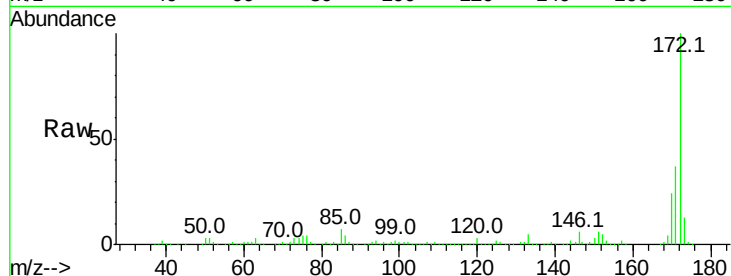




#44
2-Fluorobiphenyl
Concen: 98.49 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095567.D
Acq: 31 May 2017 16:55

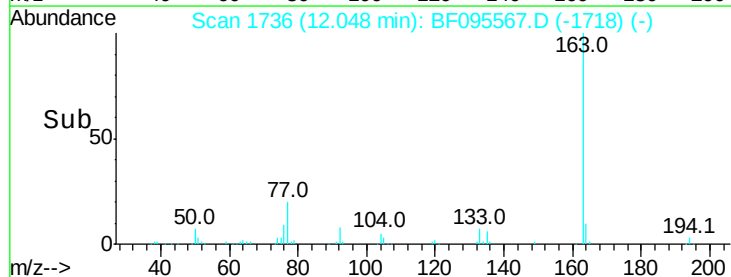
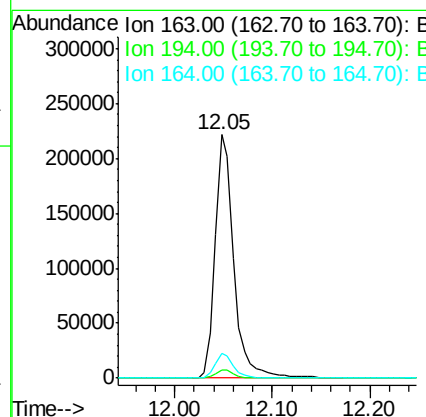
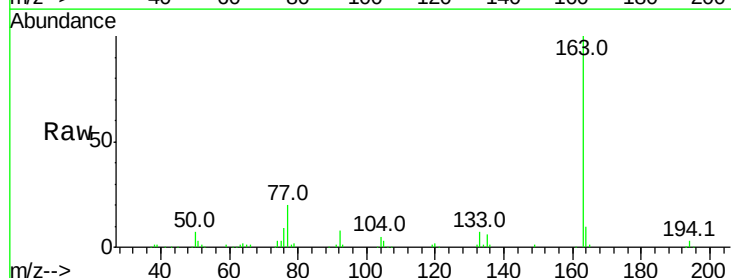
Instrument :
BNA_F
ClientSampleId :

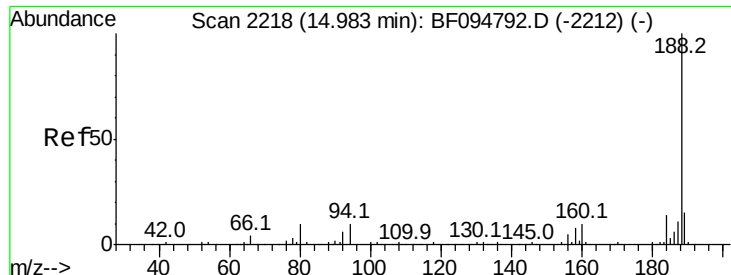
Tot Ion:172 Resp: 1341624
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 18.26 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.19 min
Lab File: BF095567.D
Acq: 31 May 2017 16:55

Tgt Ion:163 Resp: 293934
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.4 12.6

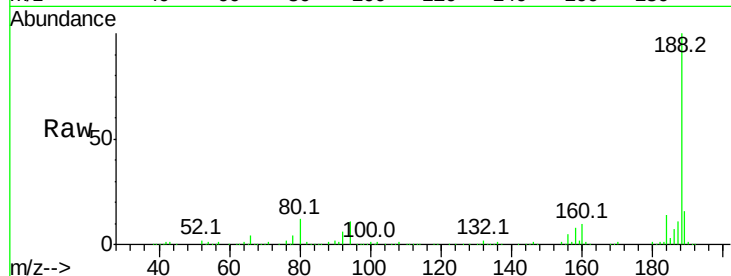




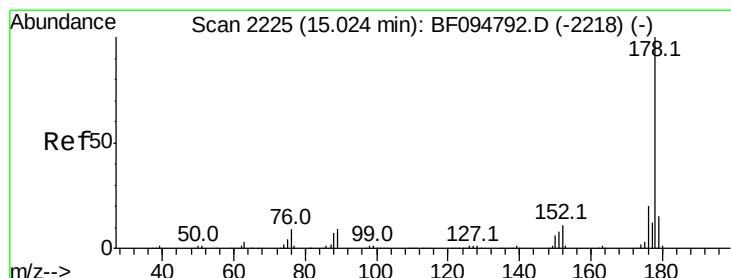
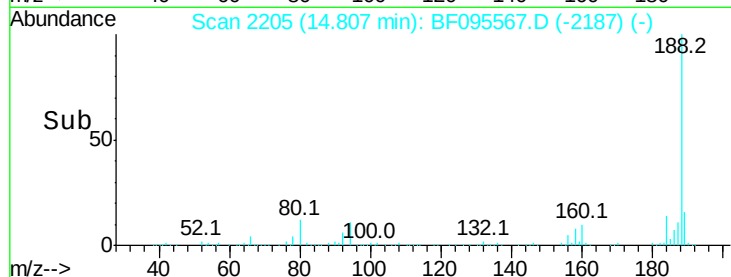
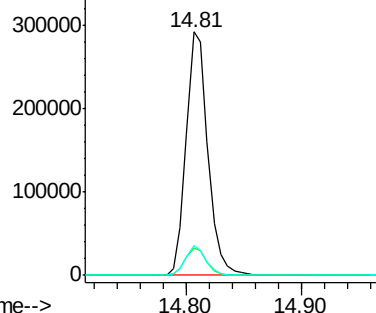
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2205
 Delta R.T. -0.19 min
 Lab File: BF095567.D
 Acq: 31 May 2017 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 381183
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 12.2 10.2 15.2

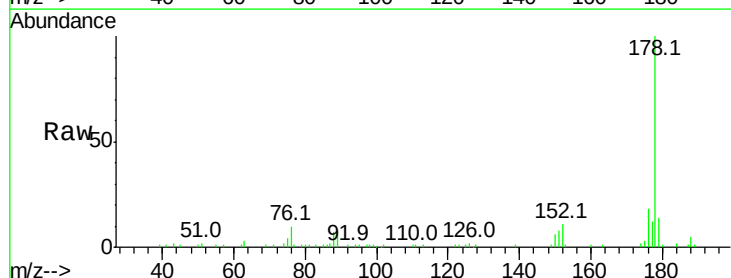


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

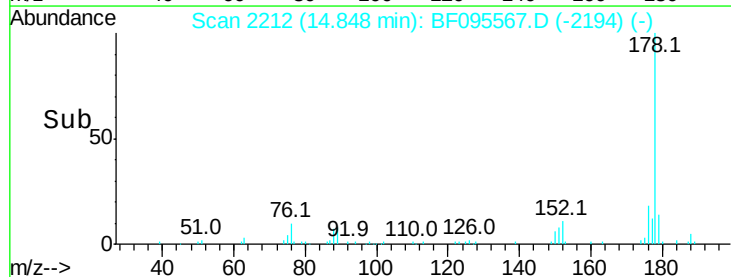
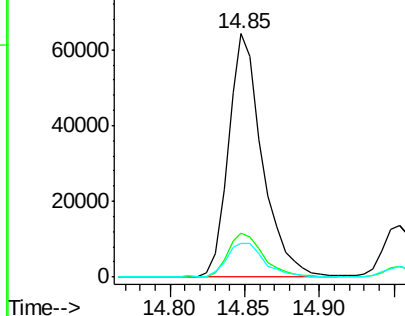


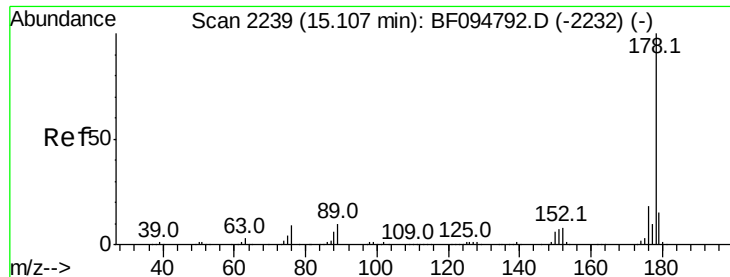
#70
 Phenanthrene
 Concen: 4.64 ng
 RT: 14.85 min Scan# 2212
 Delta R.T. -0.19 min
 Lab File: BF095567.D
 Acq: 31 May 2017 16:55

Tgt Ion:178 Resp: 101634
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 13.9 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

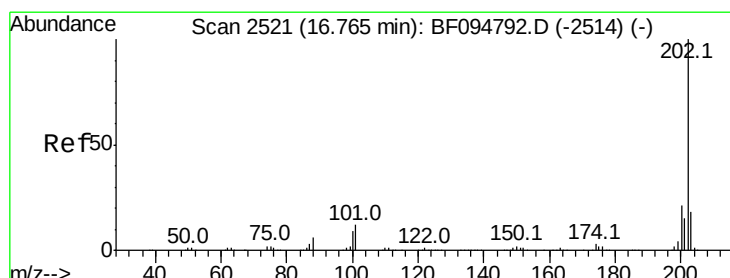
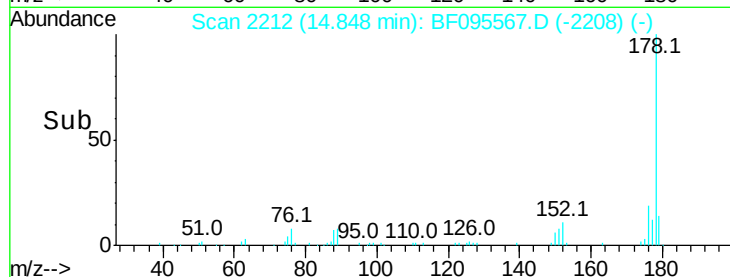
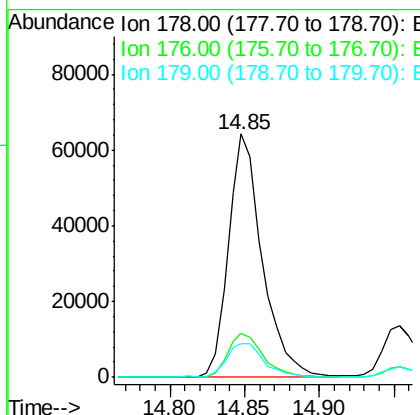
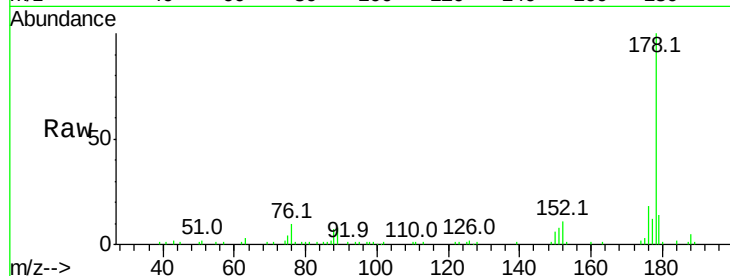




#71
 Anthracene
 Concen: 4.54 ng
 RT: 14.85 min Scan# 2212
 Delta R.T. -0.28 min
 Lab File: BF095567.D
 Acq: 31 May 2017 16:55

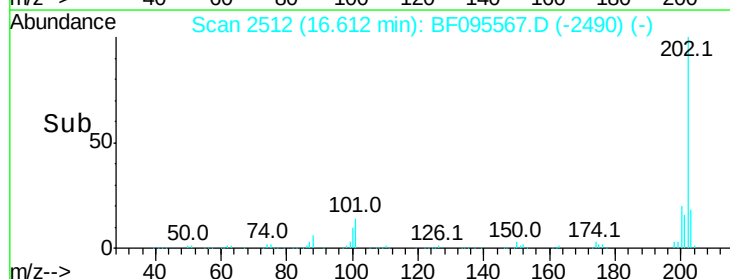
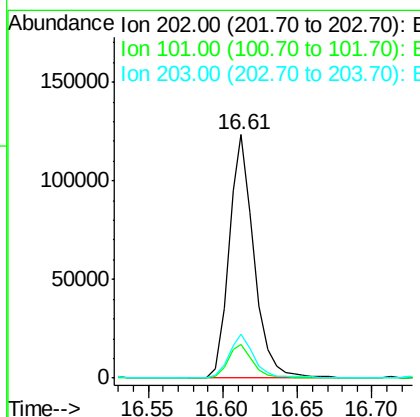
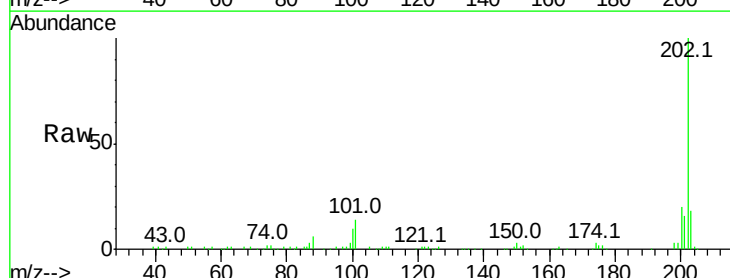
Instrument :
 BNA_F
 ClientSampleId :

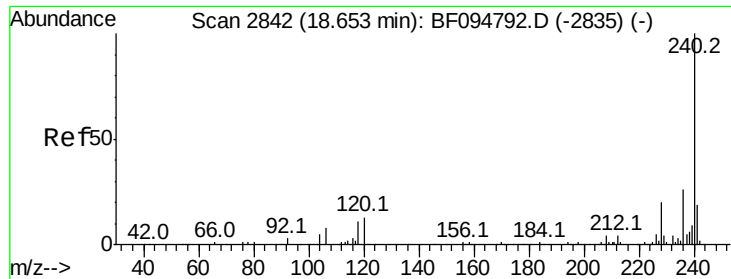
Tot Ion:178 Resp: 101634
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 13.9 12.7 19.1



#74
 Fluoranthene
 Concen: 6.44 ng
 RT: 16.61 min Scan# 2512
 Delta R.T. -0.17 min
 Lab File: BF095567.D
 Acq: 31 May 2017 16:55

Tgt Ion:202 Resp: 144686
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 33.2
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 2834

Delta R.T. -0.17 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampleId :

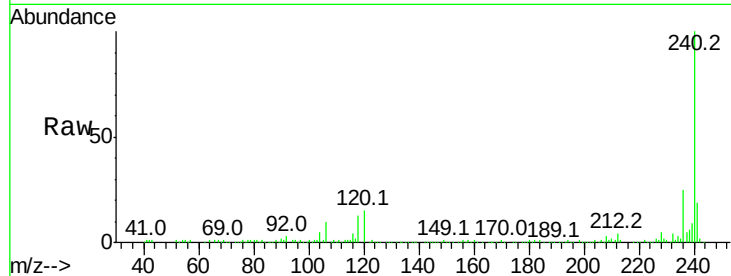
Tot Ion:240 Resp: 264293

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

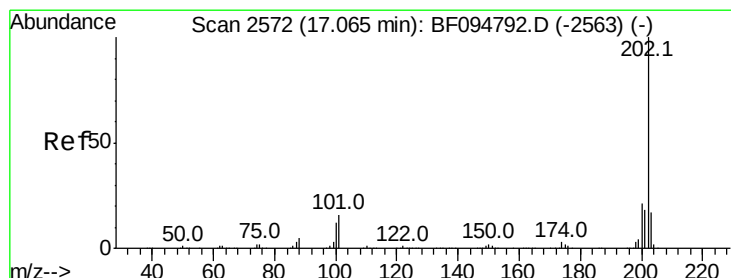
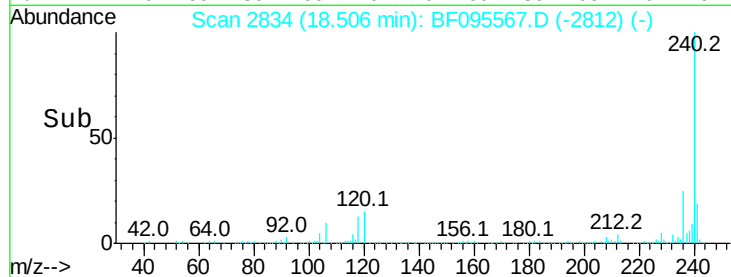
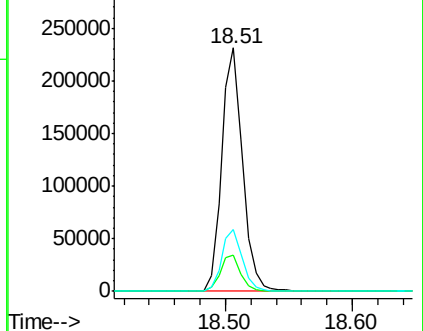
236 25.5 20.5 30.7



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: 6.71 ng

RT: 16.91 min Scan# 2563

Delta R.T. -0.18 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

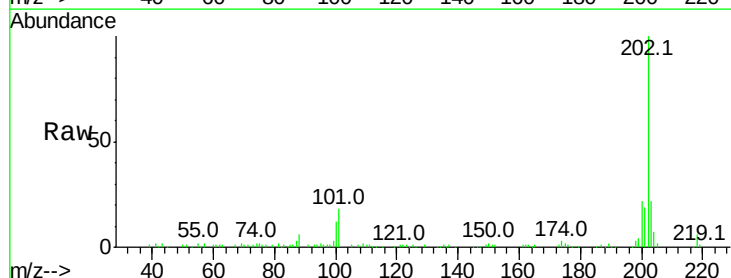
Tgt Ion:202 Resp: 132722

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

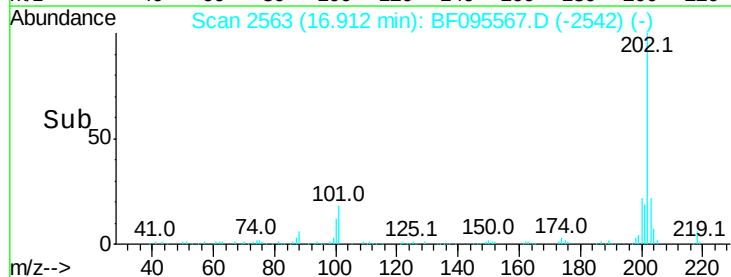
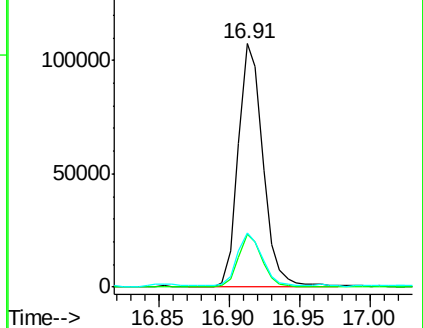
203 22.5 14.4 21.6#

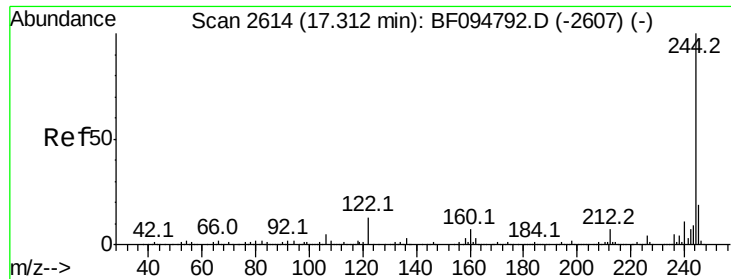


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.92 ng

RT: 17.16 min Scan# 2605

Delta R.T. -0.16 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampleId :

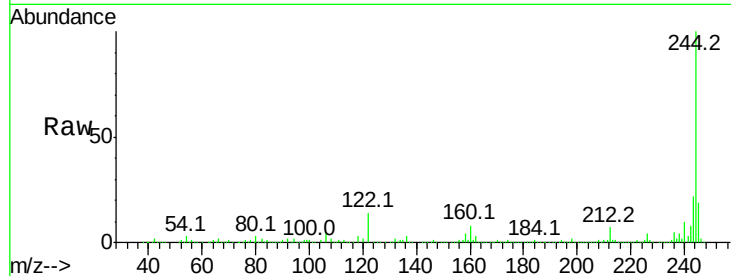
Tot Ion:244 Resp: 1090977

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

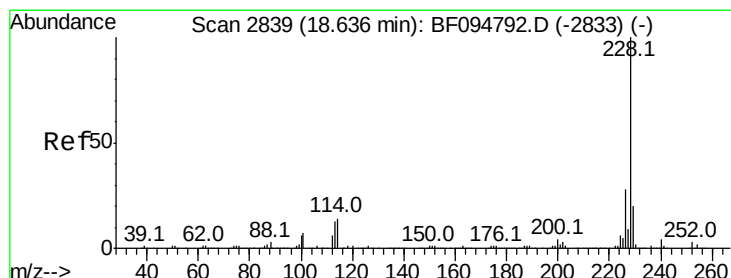
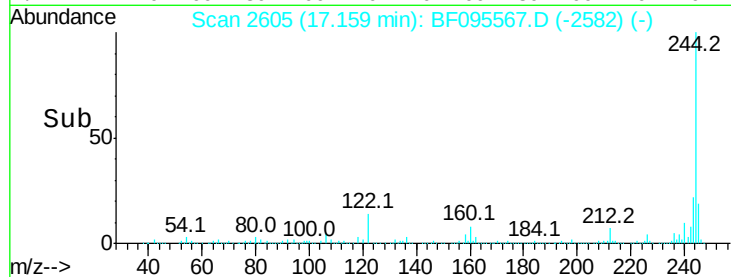
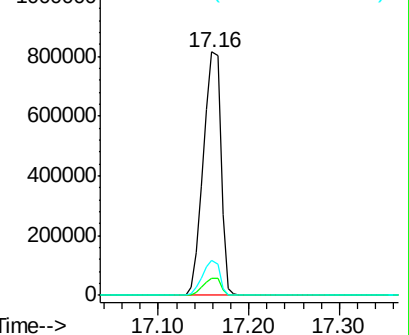
122 14.4 10.3 15.5



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: 3.00 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.17 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

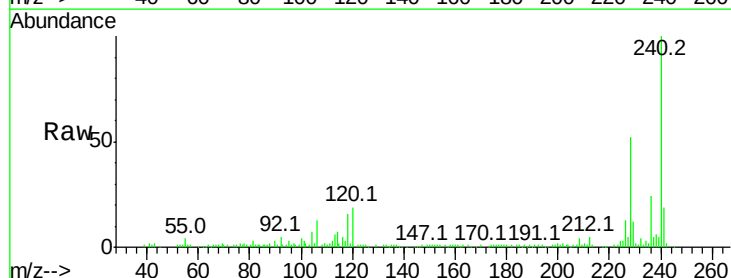
Tgt Ion:228 Resp: 46203

Ion Ratio Lower Upper

228 100

226 25.9 22.6 33.8

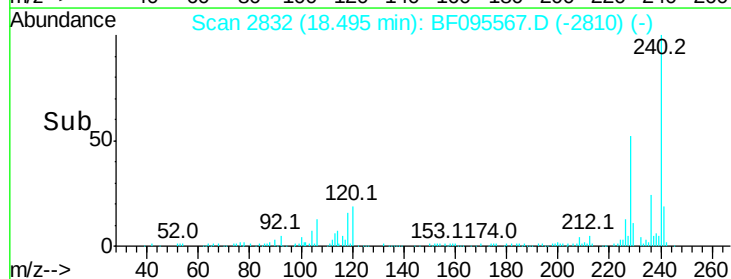
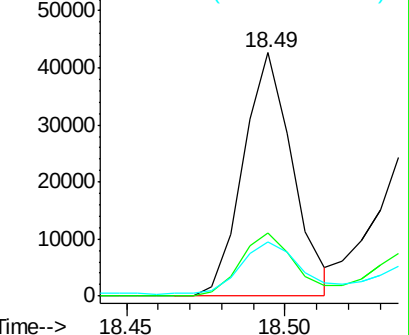
229 22.3 16.3 24.5

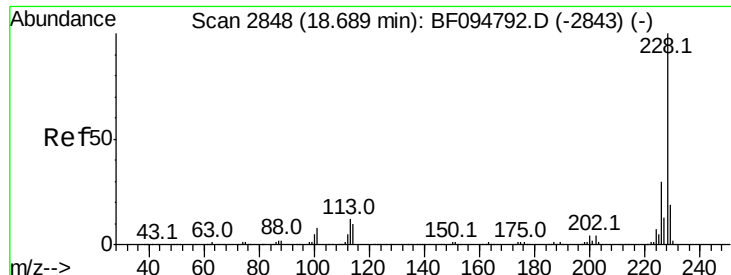


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

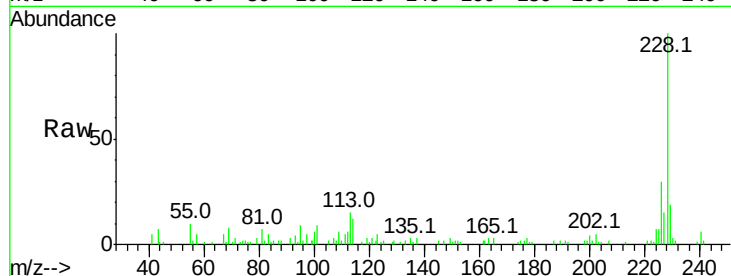




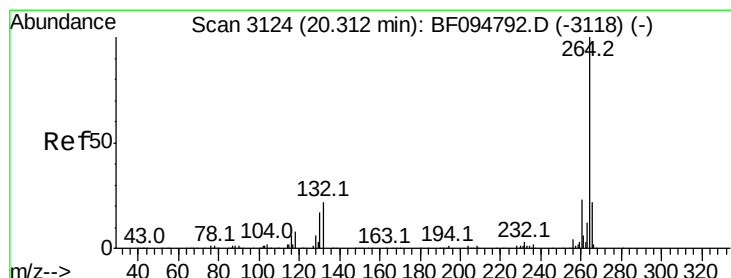
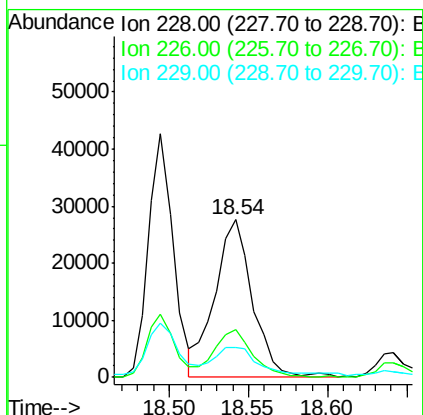
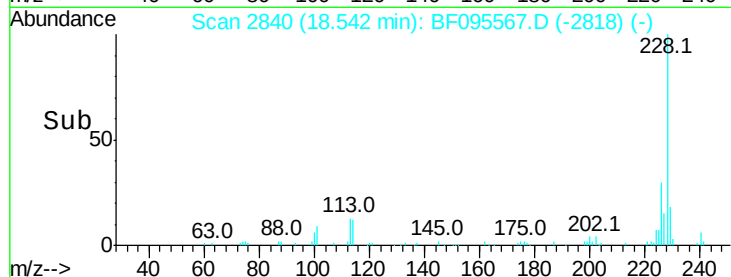
#82
Chrysene
Concen: 3.08 ng
RT: 18.54 min Scan# 2840
Delta R.T. -0.17 min
Lab File: BF095567.D
Acq: 31 May 2017 16:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 45817
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 18.7 15.8 23.6

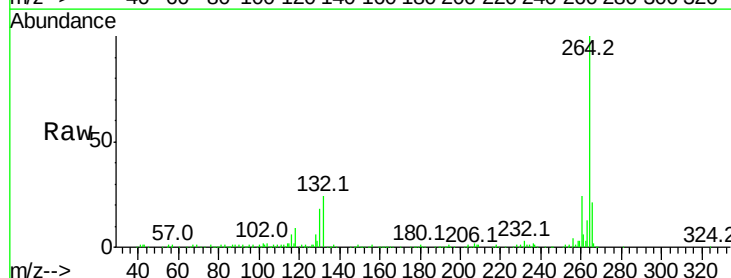


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

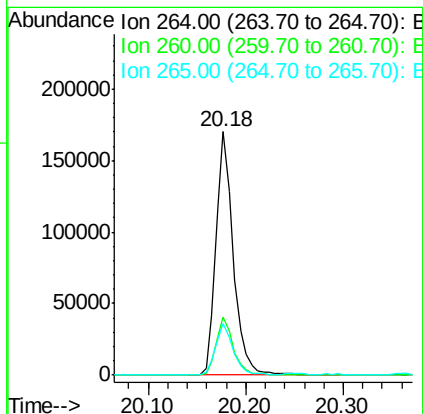
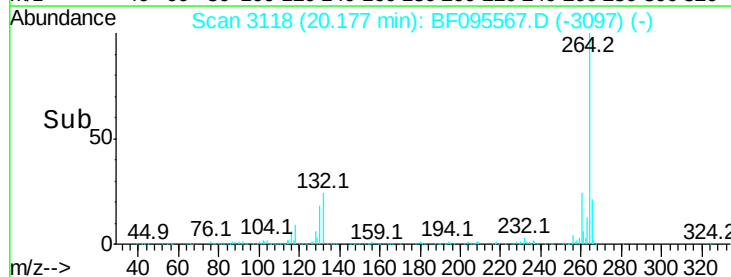


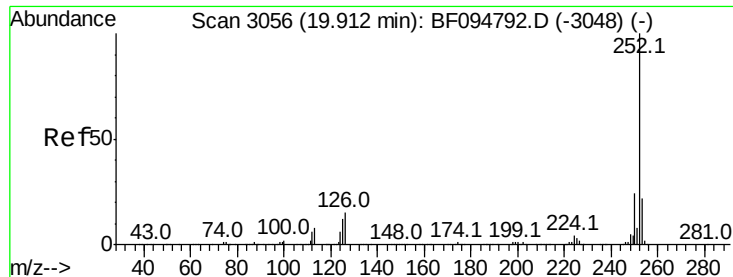
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095567.D
Acq: 31 May 2017 16:55

Tgt Ion:264 Resp: 209959
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.3 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: 3.42 ng

RT: 19.78 min Scan# 3051

Delta R.T. -0.16 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampleId :

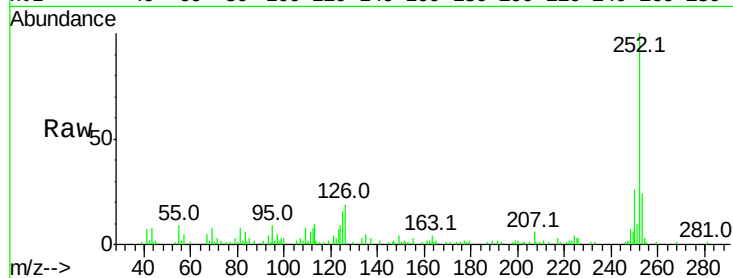
Tot Ion:252 Resp: 44406

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

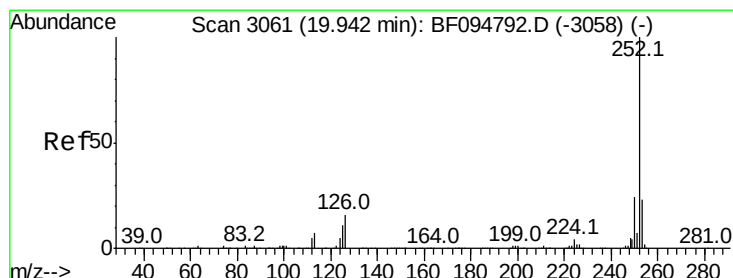
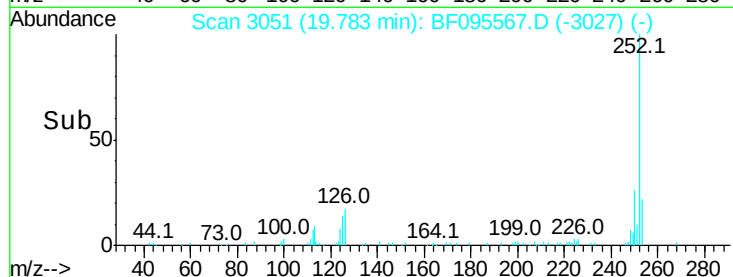
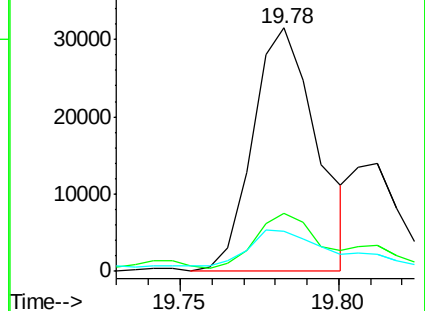
125 16.5 9.8 14.8#



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: 3.55 ng

RT: 19.78 min Scan# 3051

Delta R.T. -0.19 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

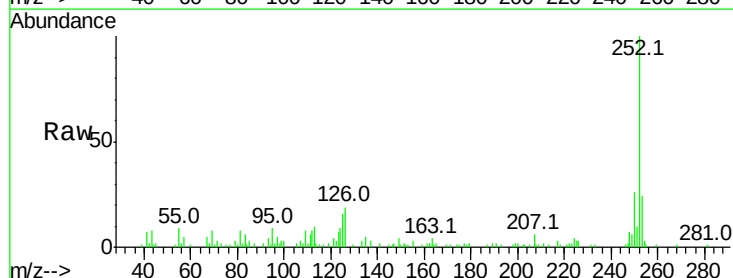
Tgt Ion:252 Resp: 44406

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

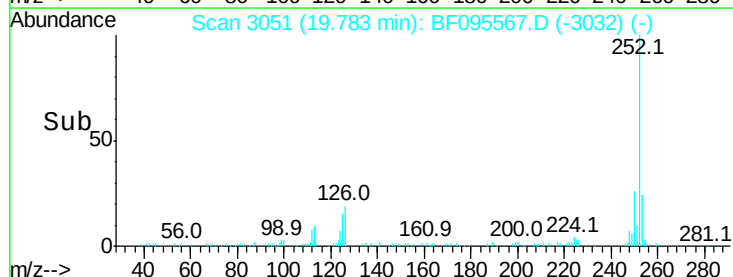
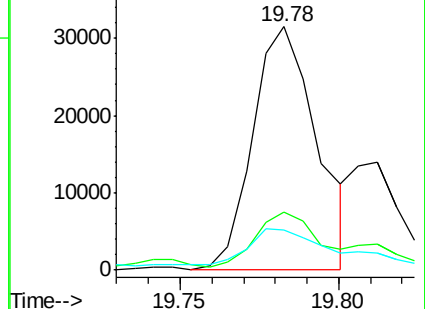
125 16.5 13.1 19.7

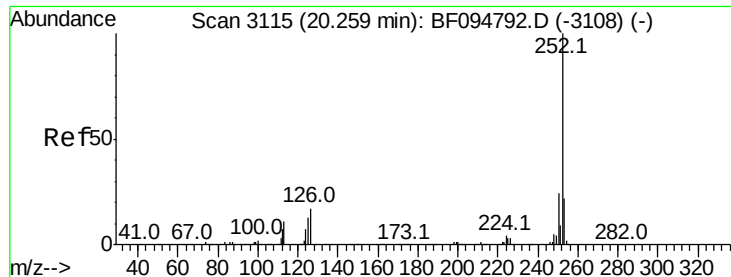


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.75 ng

RT: 20.13 min Scan# 3110

Delta R.T. -0.17 min

Lab File: BF095567.D

Acq: 31 May 2017 16:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 32967

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 15.5 11.0 16.4

