

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095908.D
 Acq On : 13 Jun 2017 22:56
 Operator : SJ/MA
 Sample : I3636-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:14:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

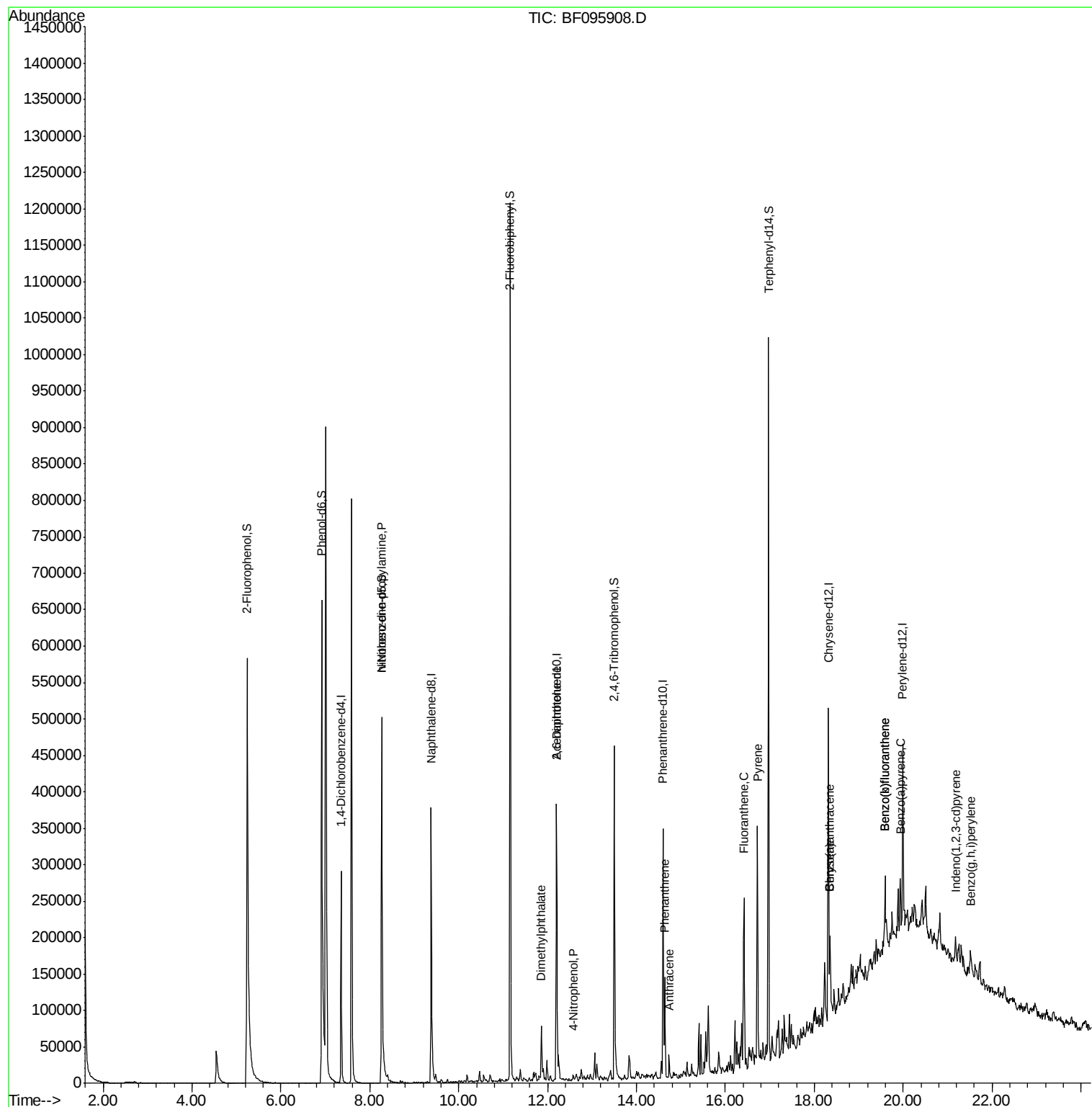
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	72114	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	279753	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	110383	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	169232	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	145233	20.00	ng	-0.04
86) Perylene-d12	19.99	264	100766	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	402434	88.92	ng	-0.05
7) Phenol-d6	6.92	99	501362	92.54	ng	-0.04
23) Nitrobenzene-d5	8.27	82	282673	62.75	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	81093	83.03	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	554729	69.93	ng	-0.06
78) Terphenyl-d14	16.97	244	373837	63.88	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.27	70	34911	10.17	ng	# 76
49) Dimethylphthalate	11.86	163	48782	5.82	ng	97
50) 2,6-Dinitrotoluene	12.20	165	14725	8.05	ng	# 31
55) 4-Nitrophenol	12.56	139	1359	5.66	ng	# 25
70) Phenanthrene	14.63	178	82886	8.49	ng	97
71) Anthracene	14.73	178	23772	2.33	ng	96
74) Fluoranthene	16.42	202	120750	12.49	ng	98
77) Pyrene	16.72	202	132535	12.23	ng	96
80) Benzo(a)anthracene	18.35	228	56803	6.73	ng	92
82) Chrysene	18.35	228	56803	6.73	ng	94
85) Indeno(1,2,3-cd)pyrene	21.18	276	20435	2.83	ng	92
87) Benzo(b)fluoranthene	19.59	252	47254	7.49	ng	# 91
88) Benzo(k)fluoranthene	19.59	252	47254	7.84	ng	# 95
89) Benzo(a)pyrene	19.94	252	34575	5.96	ng	# 92
91) Benzo(a,h,i)perylene	21.51	276	21445	4.28	ng	# 91

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

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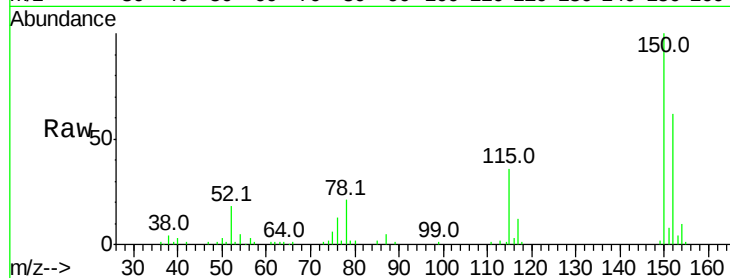


#1

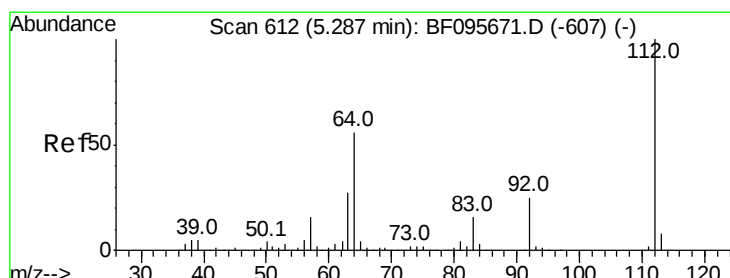
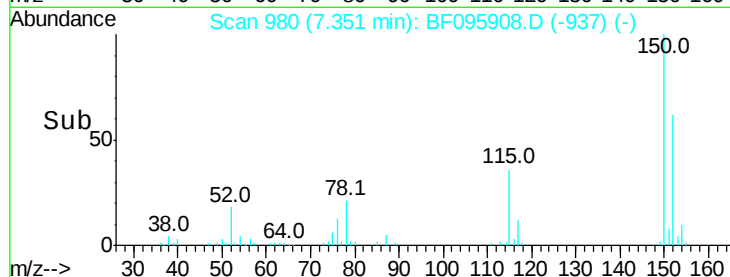
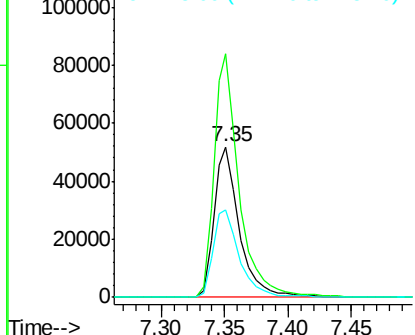
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72114
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 58.5 52.2 78.2



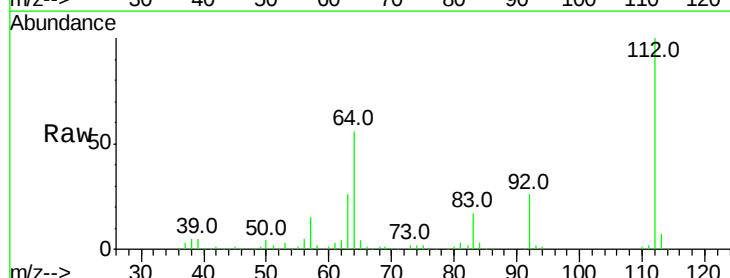
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



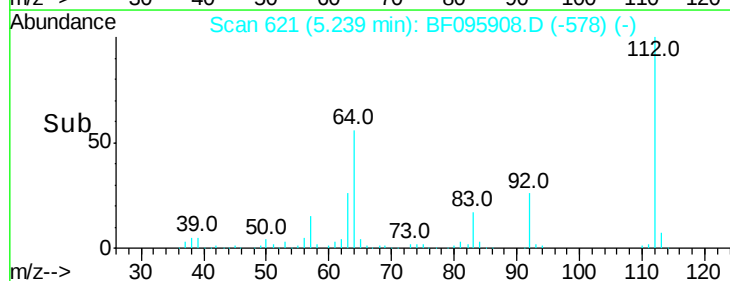
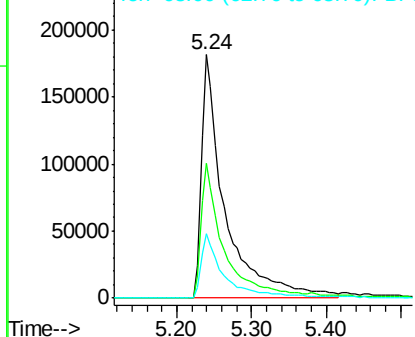
#5

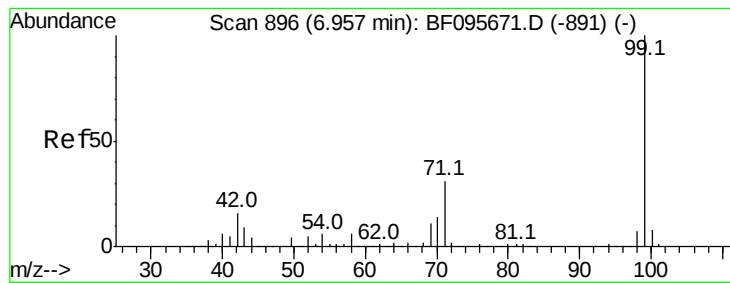
2-Fluorophenol
Concen: 88.92 ng
RT: 5.24 min Scan# 621
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion:112 Resp: 402434
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 26.4 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: 92.54 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampled :

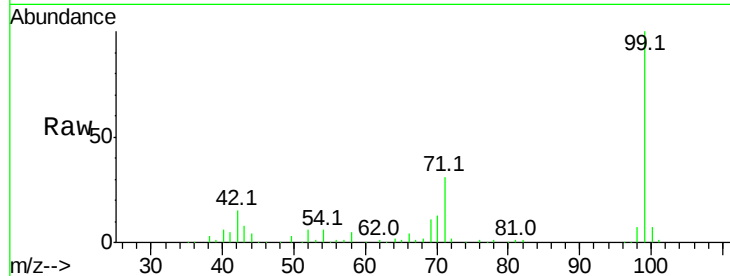
Tot Ion: 99 Resp: 501362

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

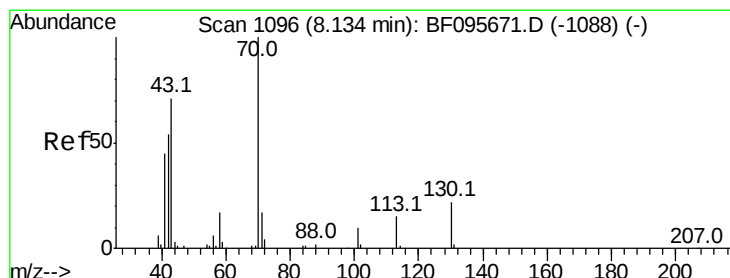
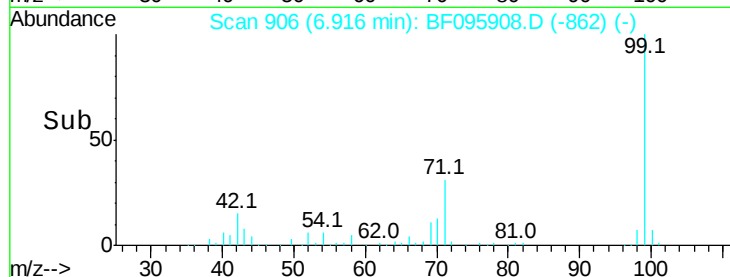
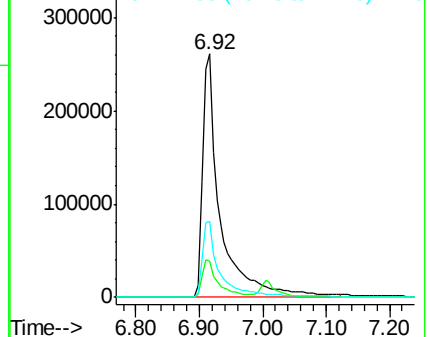
71 31.1 24.5 36.7



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: 10.17 ng

RT: 8.27 min Scan# 1136

Delta R.T. 0.14 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Tgt Ion: 70 Resp: 34911

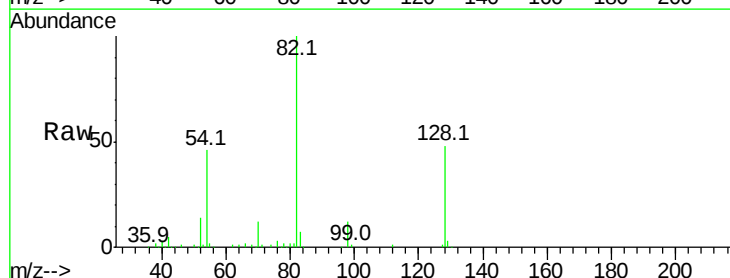
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

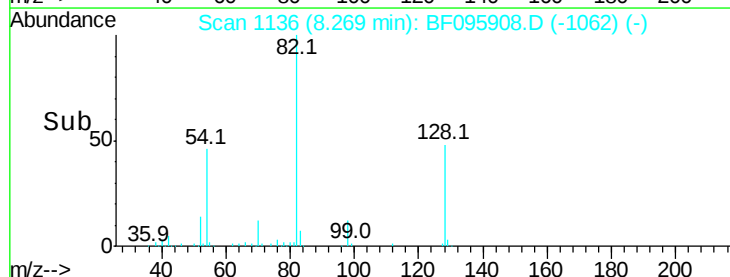
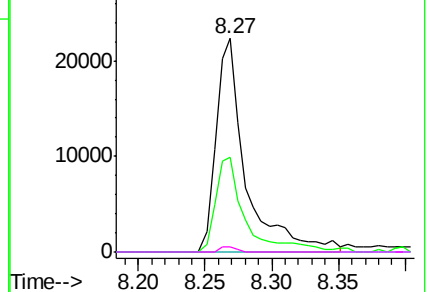


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 279753

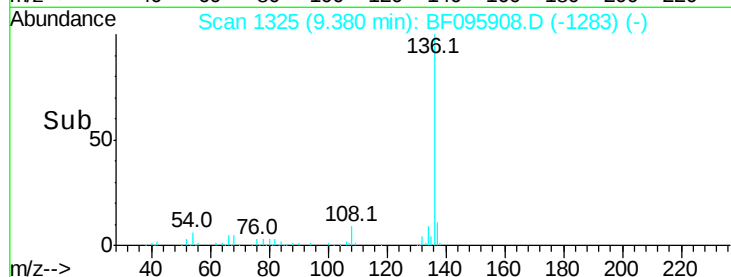
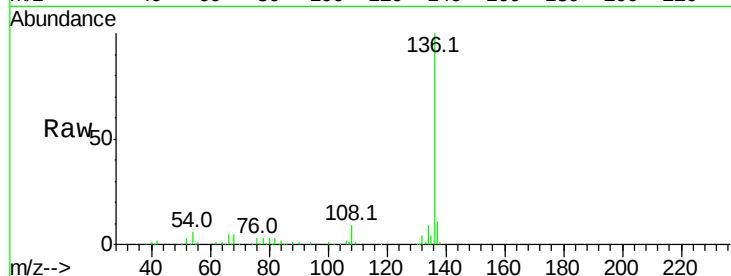
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.3 4.9 7.3

68 5.1 4.1 6.1



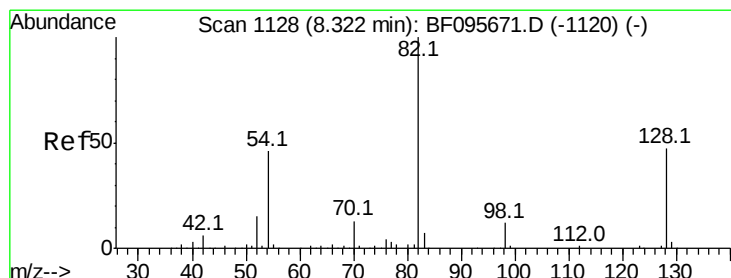
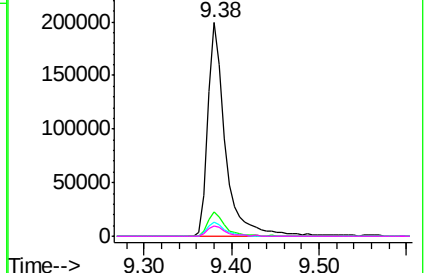
Abundance Ion 136.00 (135.70 to 136.70): E

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

9.38



#23

Nitrobenzene-d5

Concen: 62.75 ng

RT: 8.27 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

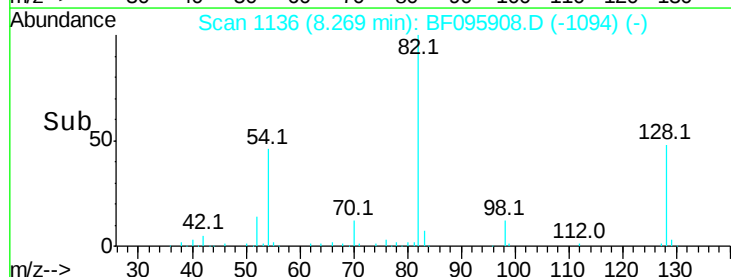
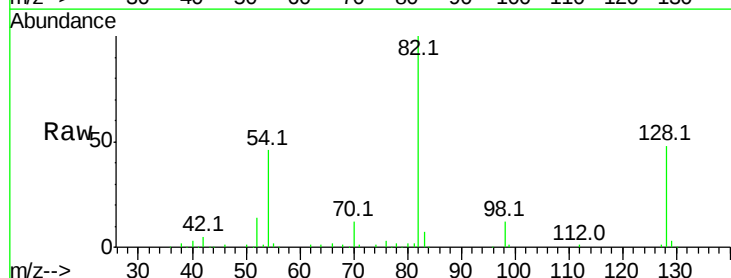
Tgt Ion: 82 Resp: 282673

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

54 46.2 42.2 63.2

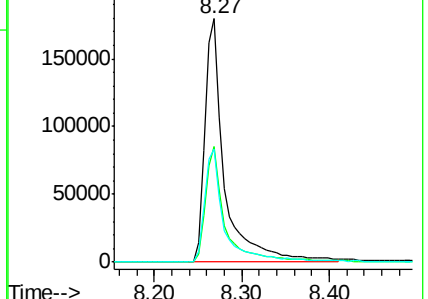


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

8.27





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.20 min Scan# 1805

Delta R.T. -0.05 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

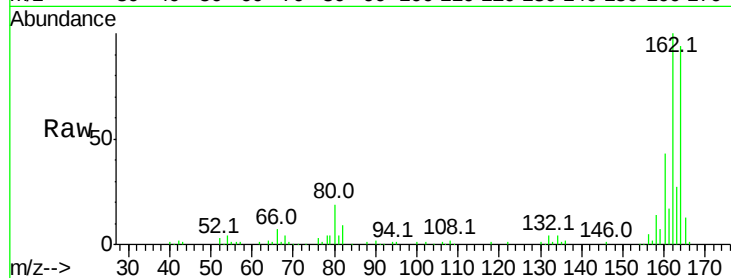
Tot Ion:164 Resp: 110383

Ion Ratio Lower Upper

164 100

162 106.8 82.6 123.8

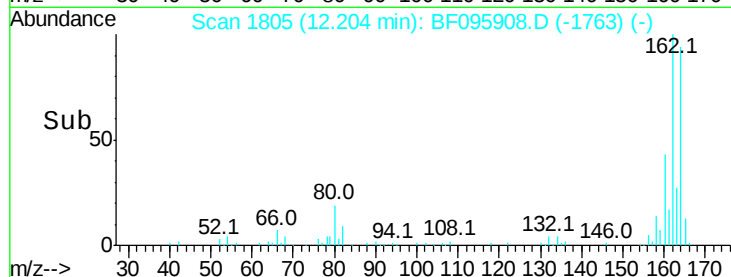
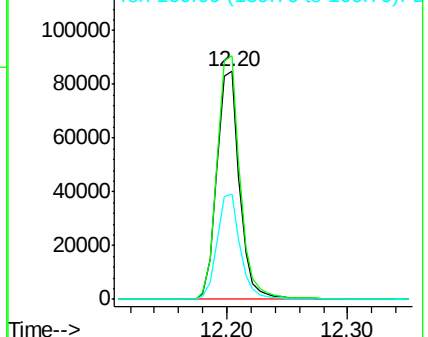
160 46.2 36.2 54.2



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: 83.03 ng

RT: 13.50 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

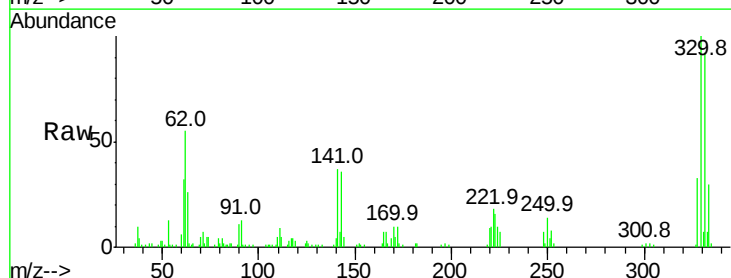
Tgt Ion:330 Resp: 81093

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

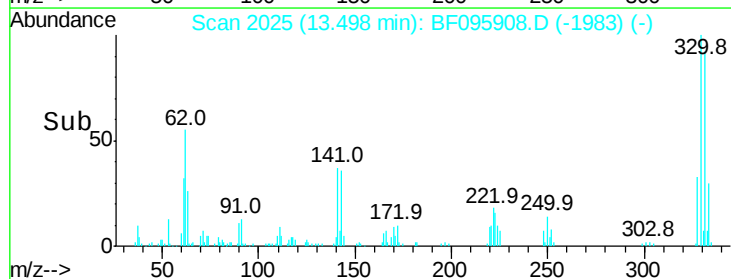
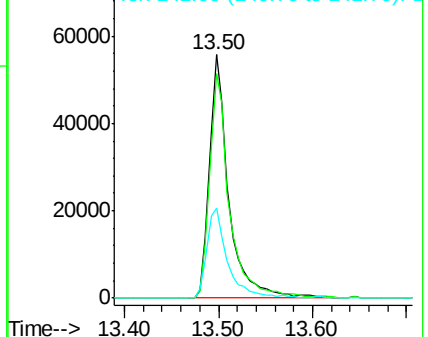
141 39.5 31.4 47.2



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

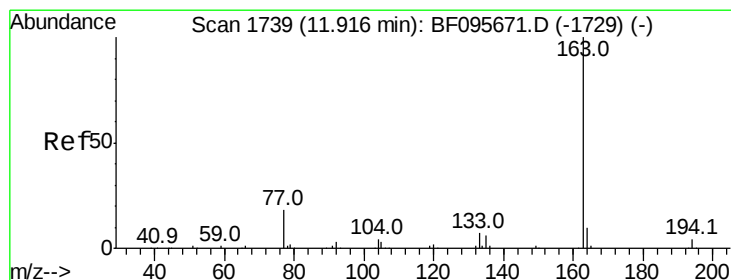
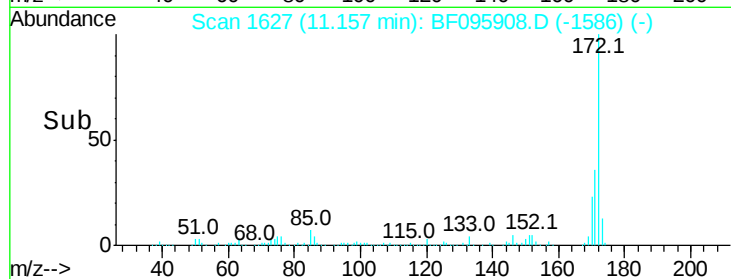
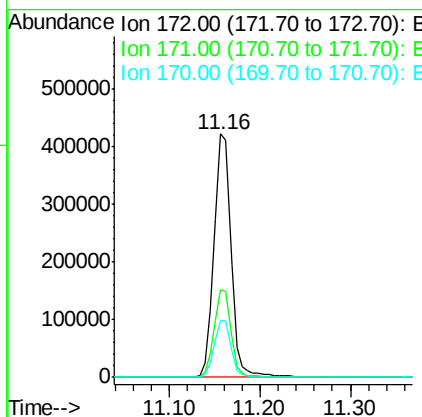
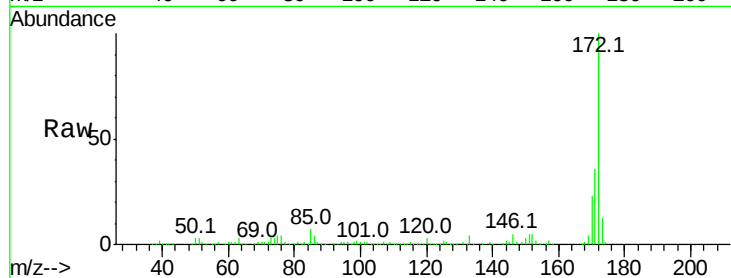




#44
2-Fluorobiphenyl
Concen: 69.93 ng
RT: 11.16 min Scan# 1627
Delta R.T. -0.06 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

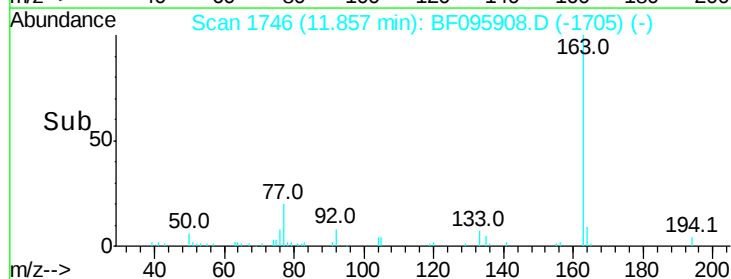
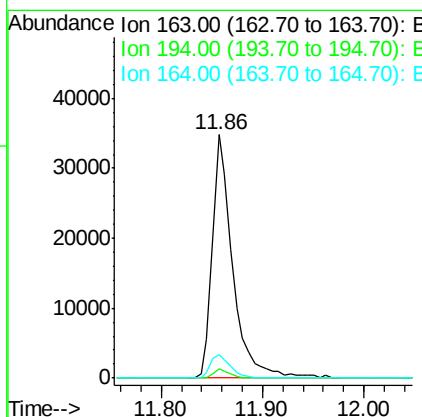
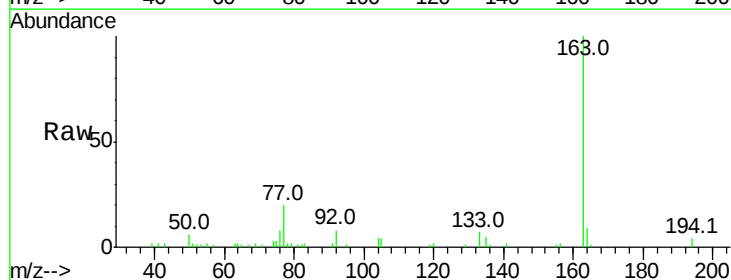
Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 554729
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 5.82 ng
RT: 11.86 min Scan# 1746
Delta R.T. -0.06 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion:163 Resp: 48782
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 9.4 8.4 12.6

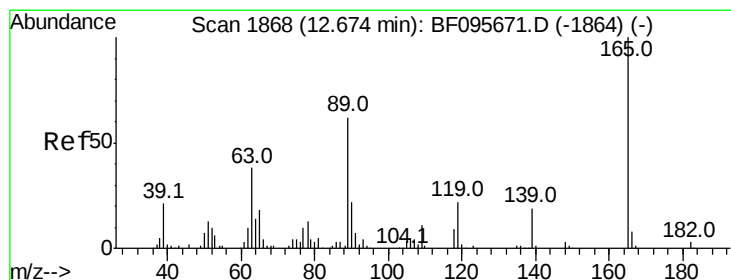
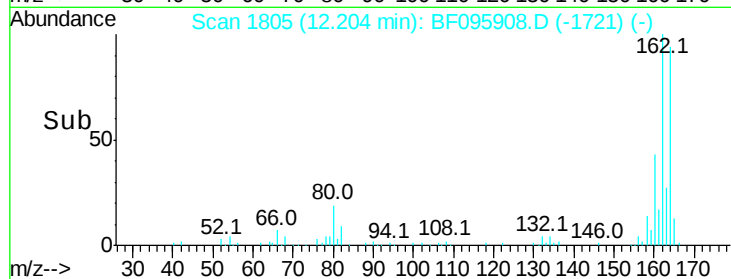
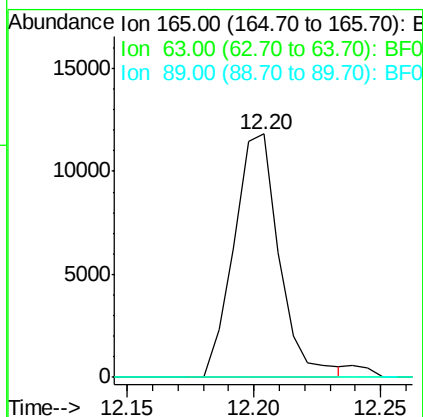
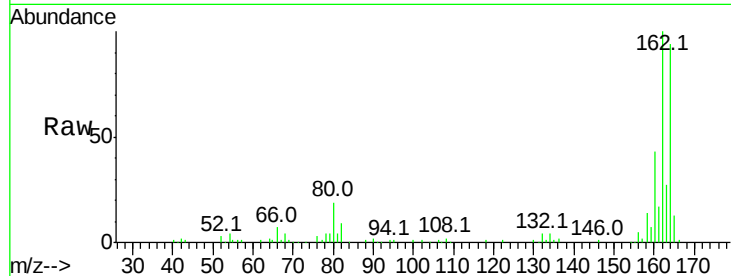




#50
 2,6-Dinitrotoluene
 Concen: 8.05 ng
 RT: 12.20 min Scan# 1805
 Delta R.T. 0.19 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

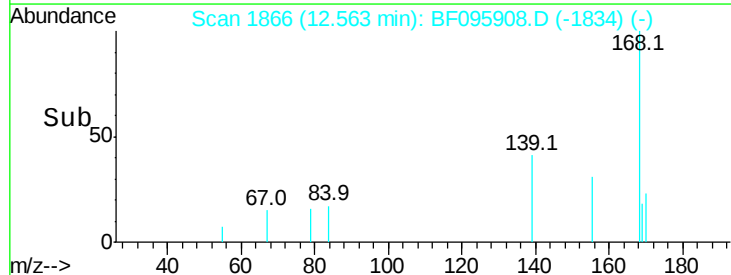
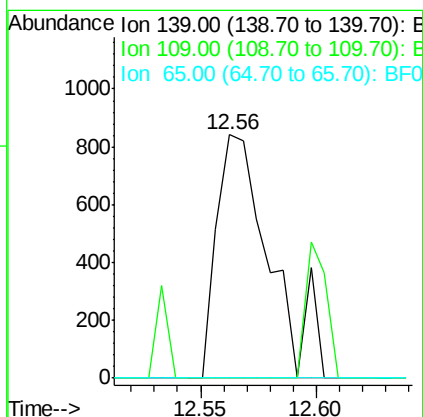
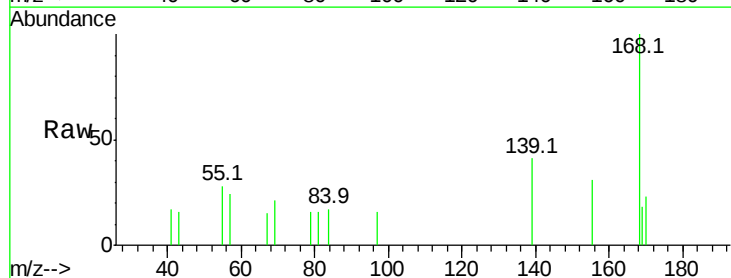
Instrument :
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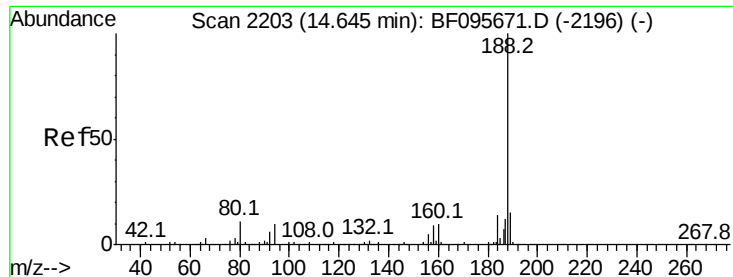
Tot Ion:165 Resp: 14725
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



#55
 4-Nitrophenol
 Concen: 5.66 ng
 RT: 12.56 min Scan# 1866
 Delta R.T. -0.11 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

Tgt Ion:139 Resp: 1359
 Ion Ratio Lower Upper
 139 100
 109 0.0 34.1 74.1#
 65 0.0 31.4 71.4#

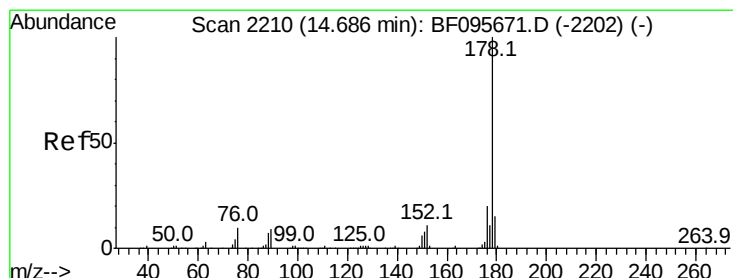
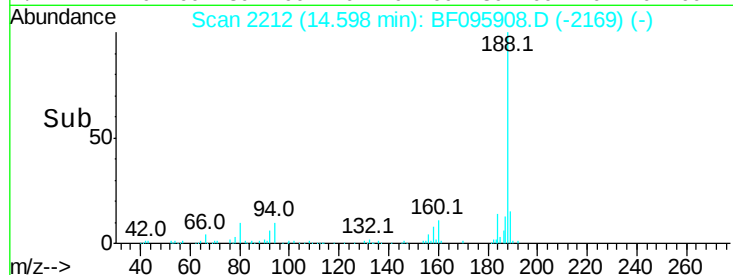
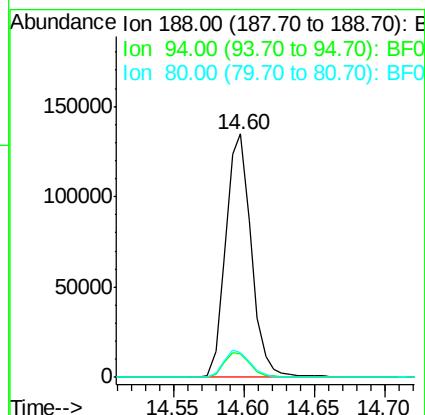
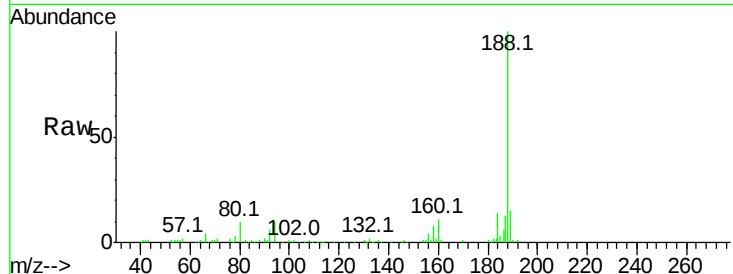




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

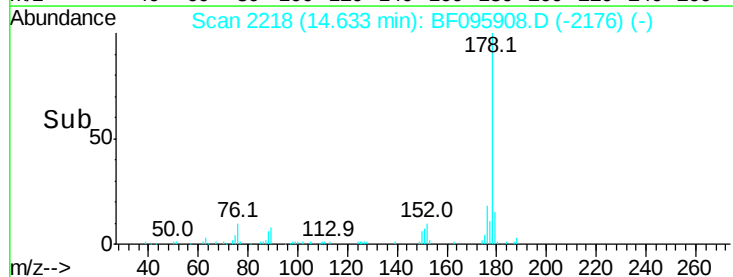
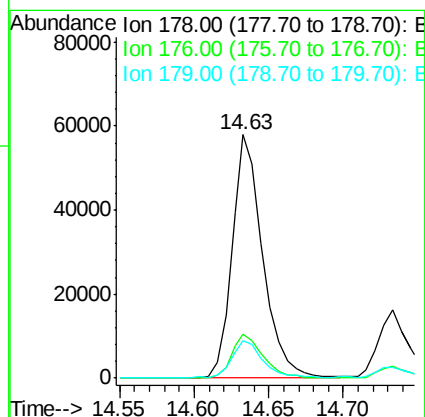
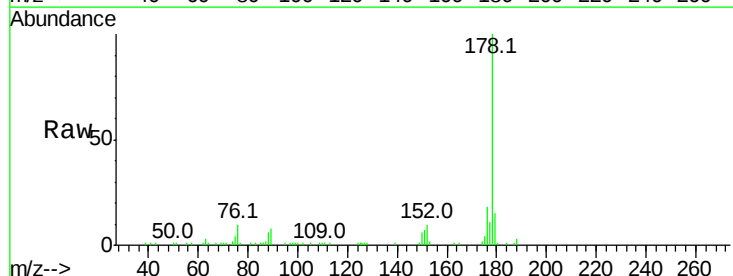
Instrument :
BNA_F
ClientSampleId :

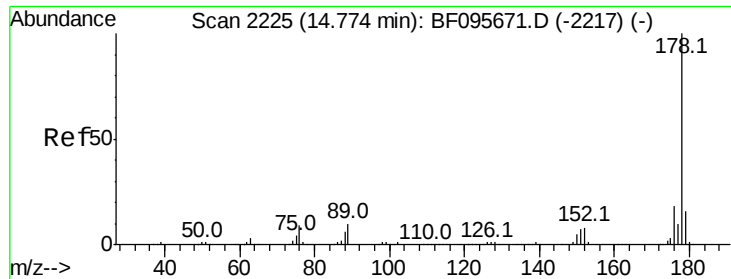
Tot Ion:188 Resp: 169232
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.4 10.2 15.2



#70
Phenanthrene
Concen: 8.49 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion:178 Resp: 82886
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 15.4 12.6 19.0

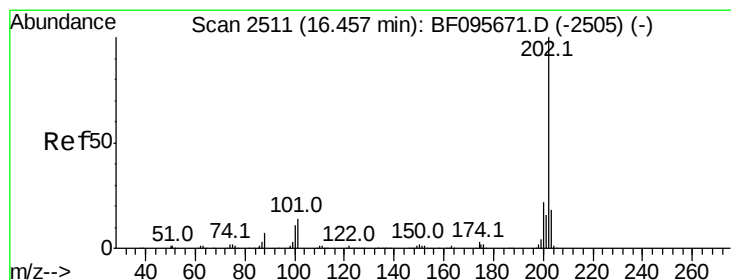
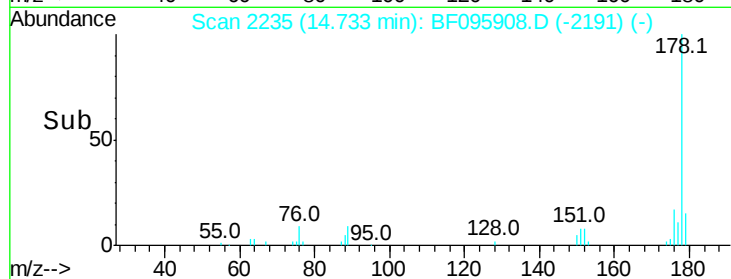
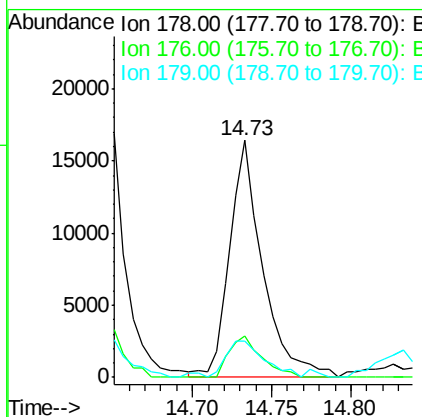
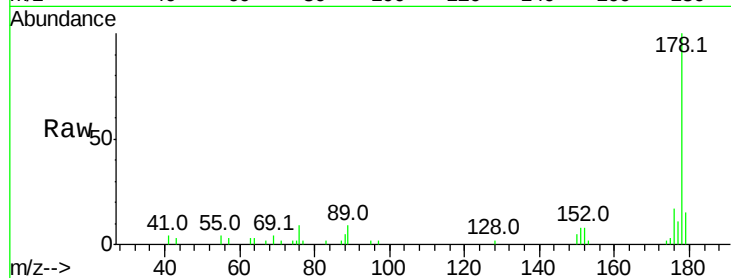




#71
 Anthracene
 Concen: 2.33 ng
 RT: 14.73 min Scan# 2235
 Delta R.T. -0.04 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

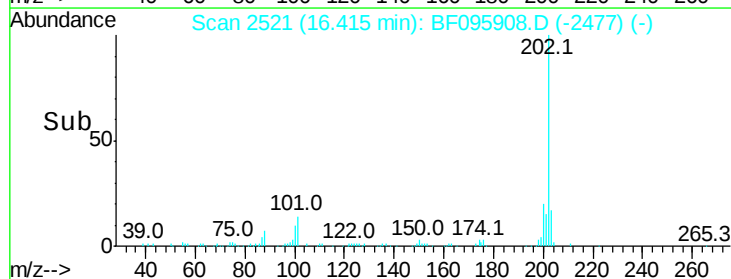
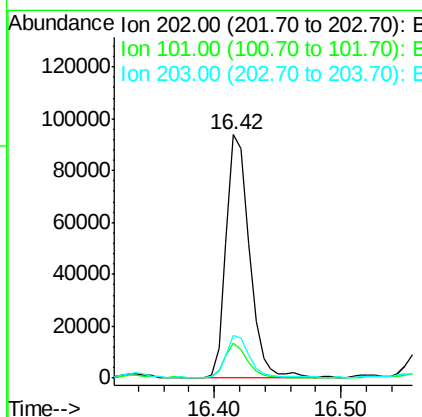
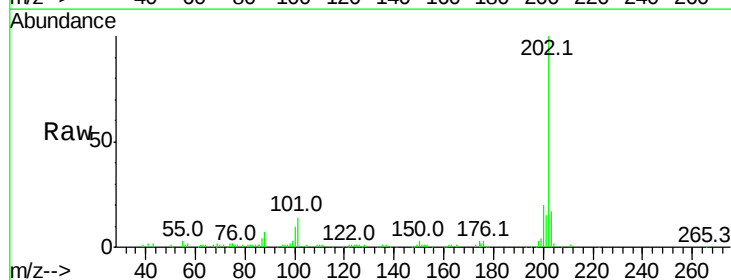
Instrument :
 BNA_F
 ClientSampleId :

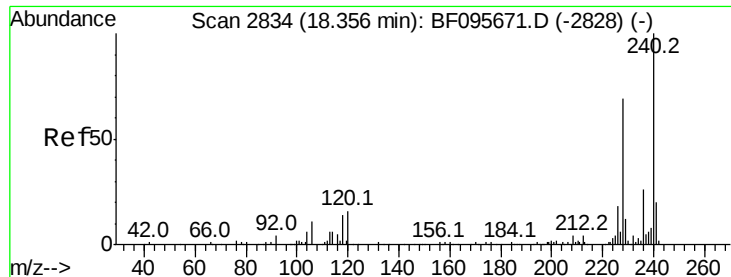
Tot Ion:178 Resp: 23772
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.8 23.8
 179 15.1 12.7 19.1



#74
 Fluoranthene
 Concen: 12.49 ng
 RT: 16.42 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

Tgt Ion:202 Resp: 120750
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.32 min Scan# 2844

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

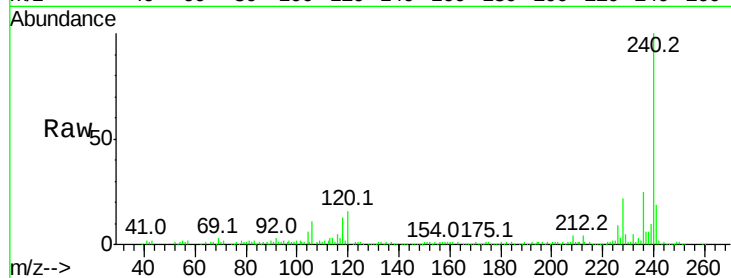
Tot Ion:240 Resp: 145233

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

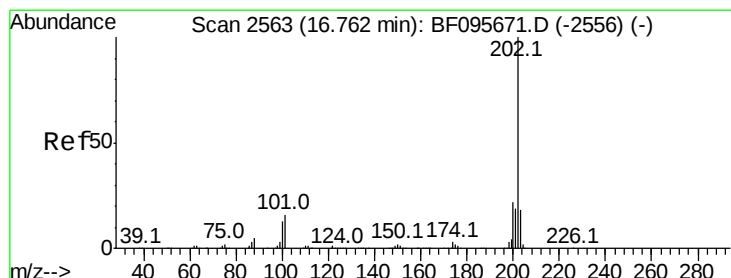
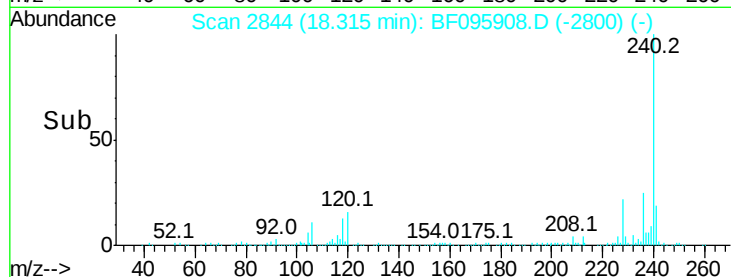
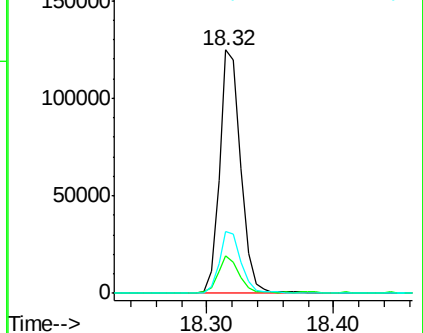
236 25.5 20.5 30.7



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: 12.23 ng

RT: 16.72 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

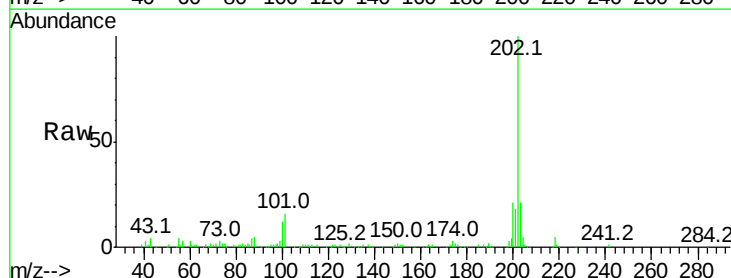
Tgt Ion:202 Resp: 132535

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

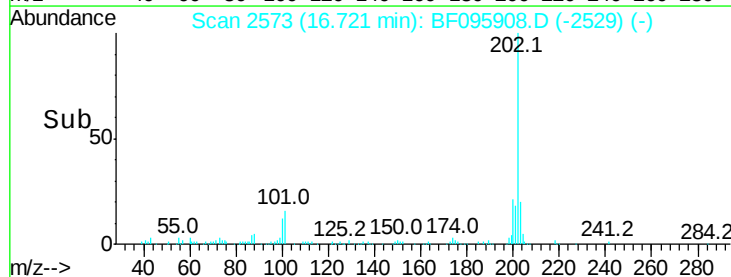
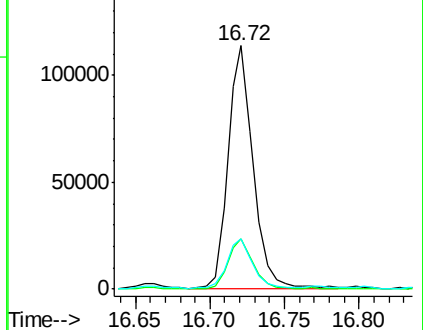
203 20.6 14.4 21.6

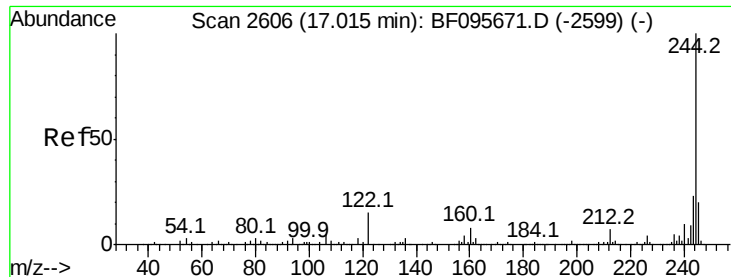


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

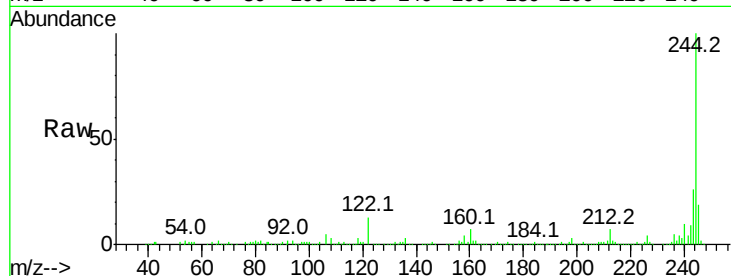




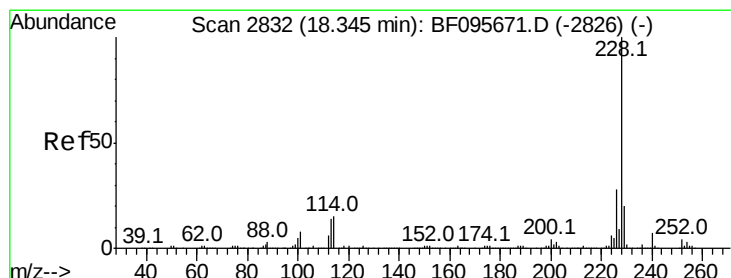
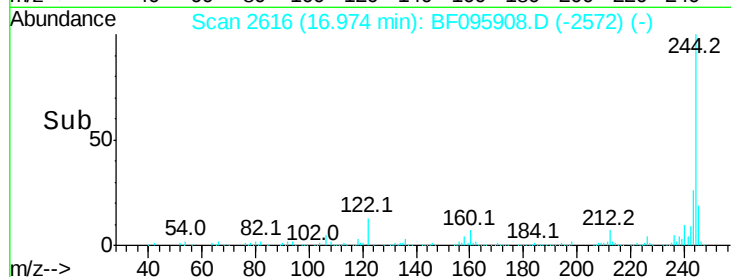
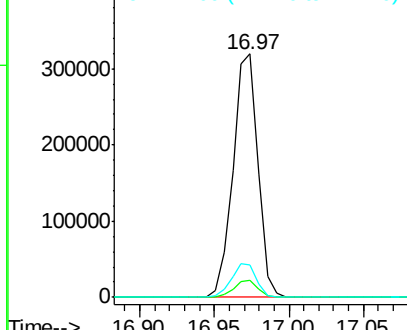
#78
 Terphenyl-d14
 Concen: 63.88 ng
 RT: 16.97 min Scan# 2616
 Delta R.T. -0.04 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 373837
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 13.2 10.3 15.5

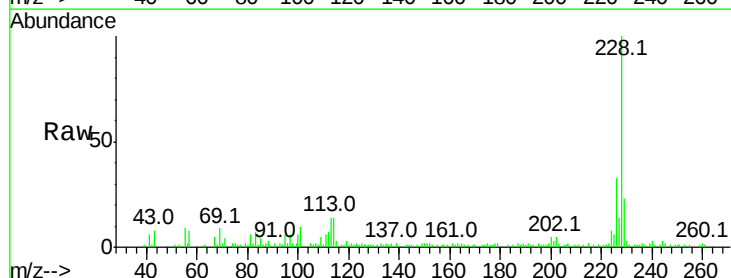


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

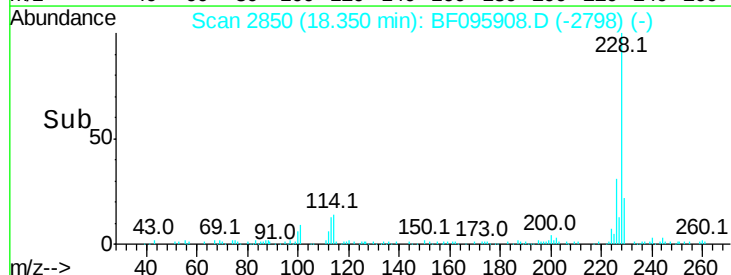
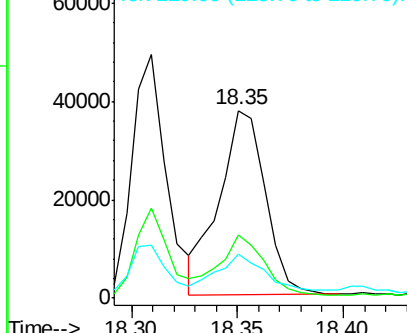


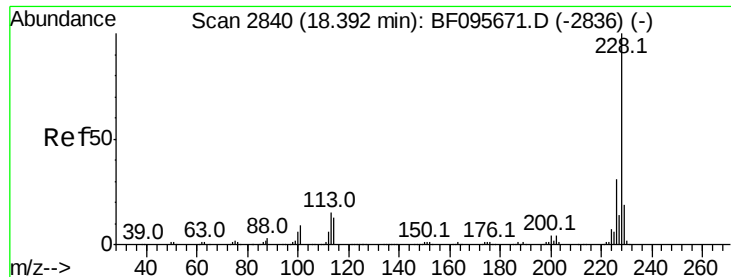
#80
 Benzo(a)anthracene
 Concen: 6.73 ng
 RT: 18.35 min Scan# 2850
 Delta R.T. 0.01 min
 Lab File: BF095908.D
 Acq: 13 Jun 2017 22:56

Tgt Ion:228 Resp: 56803
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.6 33.8
 229 23.4 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: 6.73 ng

RT: 18.35 min Scan# 2850

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

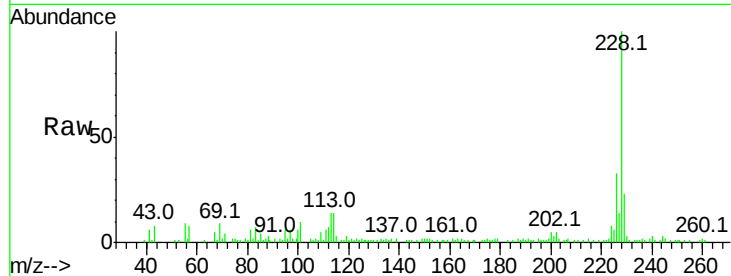
Tot Ion:228 Resp: 56803

Ion Ratio Lower Upper

228 100

226 33.4 24.9 37.3

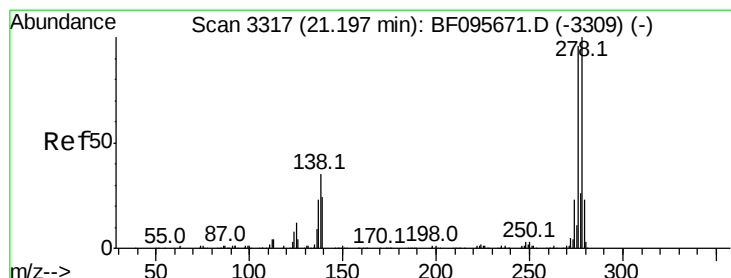
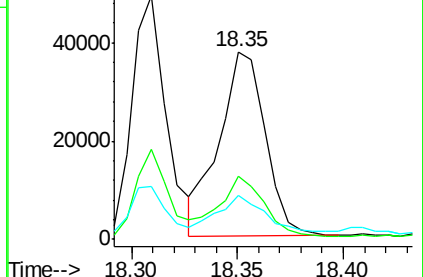
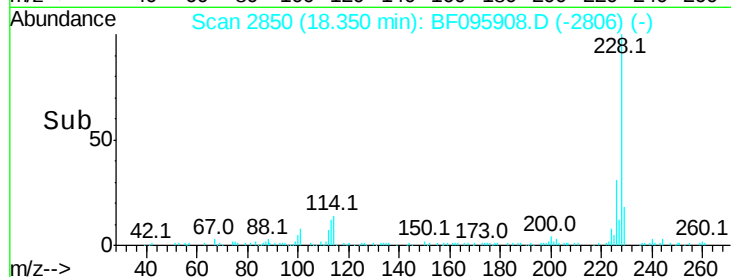
229 23.4 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.83 ng

RT: 21.18 min Scan# 3331

Delta R.T. -0.02 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

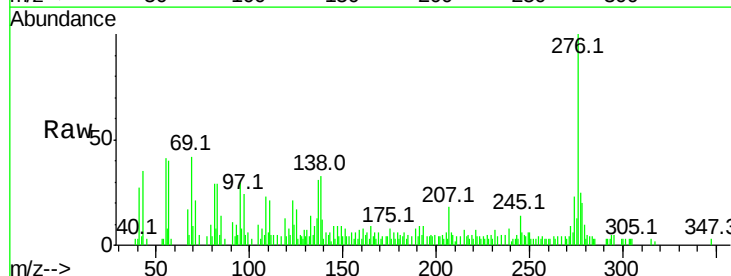
Tgt Ion:276 Resp: 20435

Ion Ratio Lower Upper

276 100

138 29.6 27.8 41.6

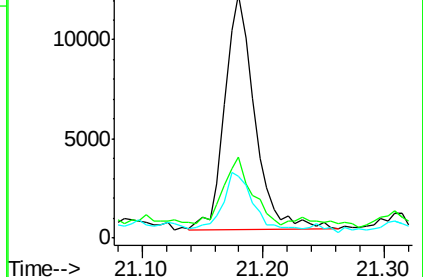
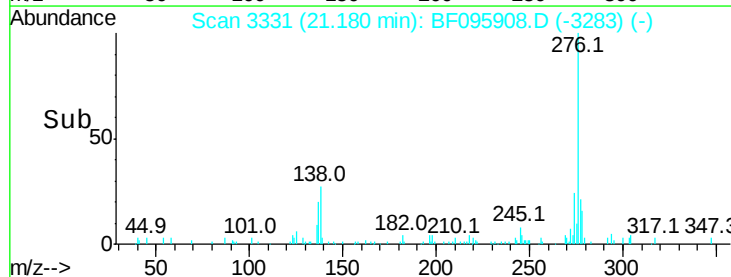
277 29.1 20.2 30.4

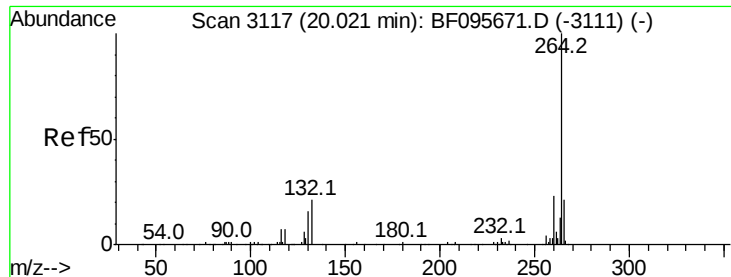


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

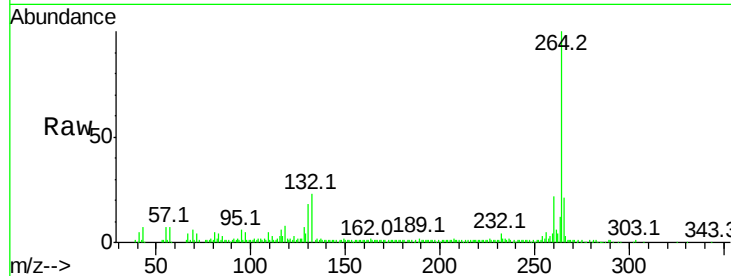




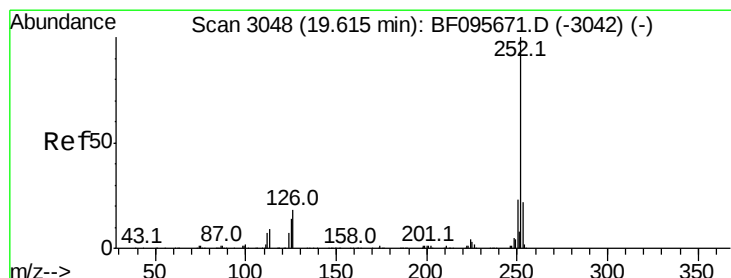
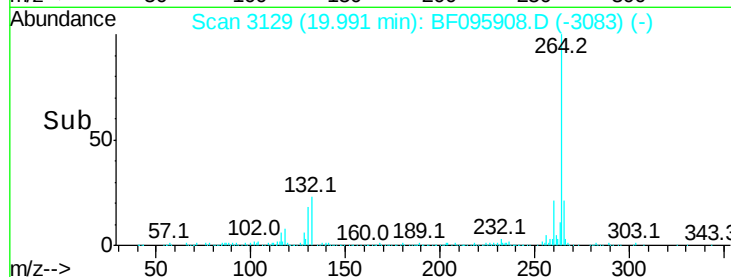
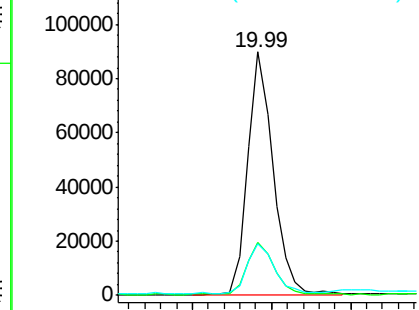
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 100766
Ion Ratio Lower Upper
264 100
260 21.8 19.5 29.3
265 21.3 17.2 25.8

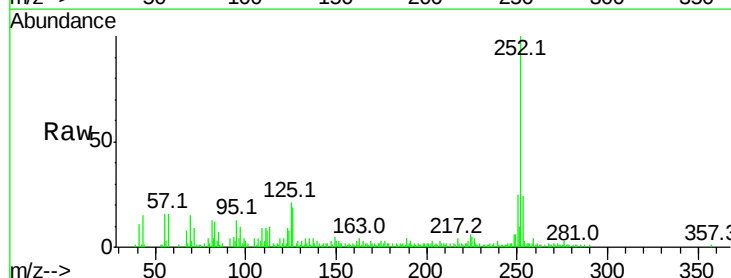


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

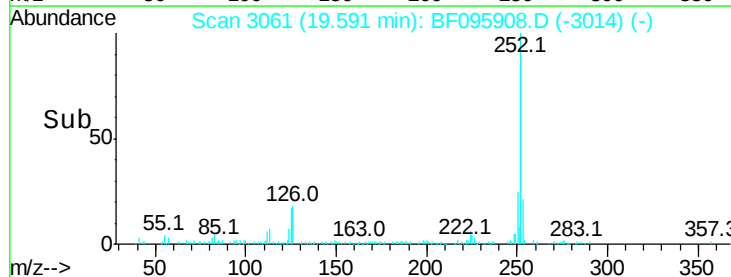
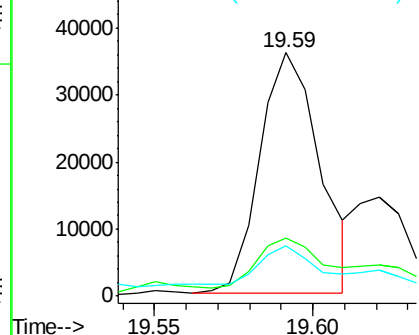


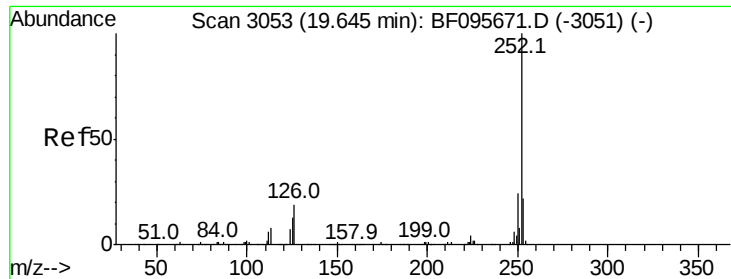
#87
Benzo(b)fluoranthene
Concen: 7.49 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion:252 Resp: 47254
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 20.7 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

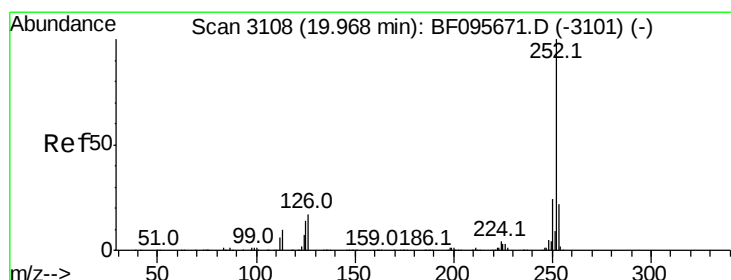
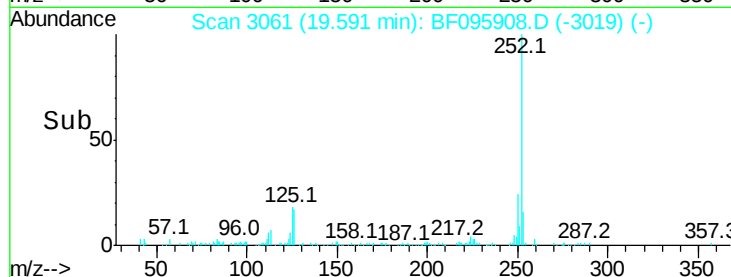
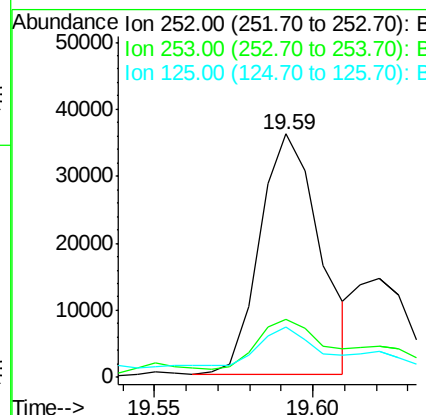
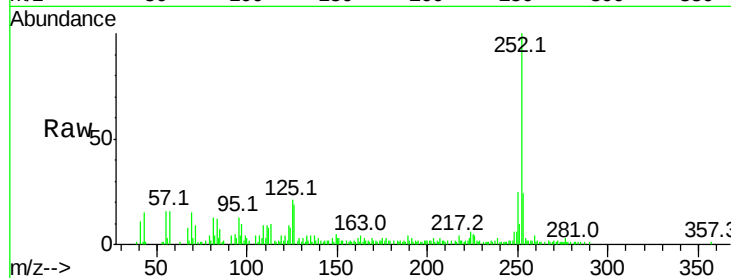




#88
Benzo(k)fluoranthene
Concen: 7.84 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

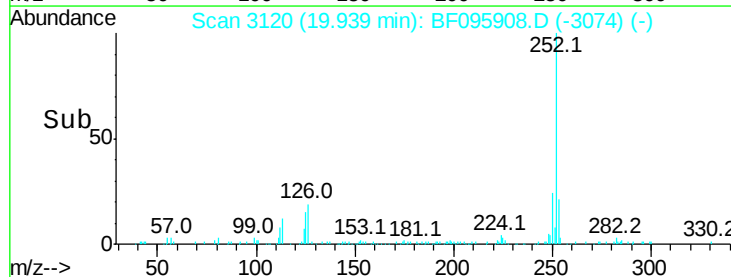
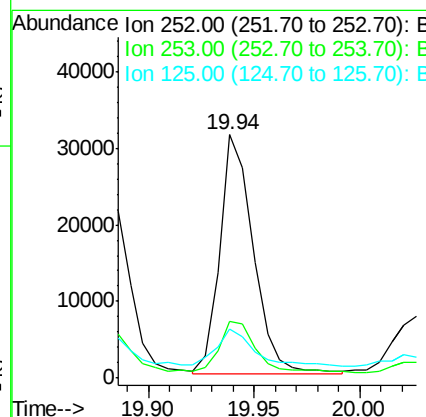
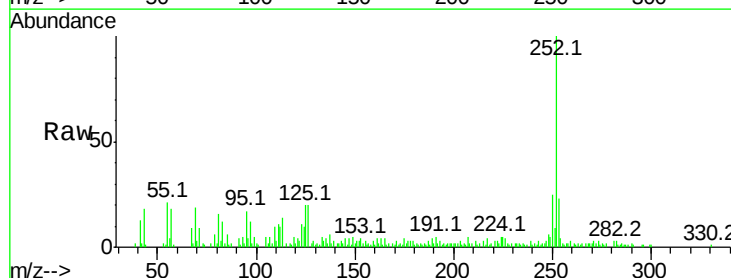
Instrument :
BNA_F
ClientSampleId :

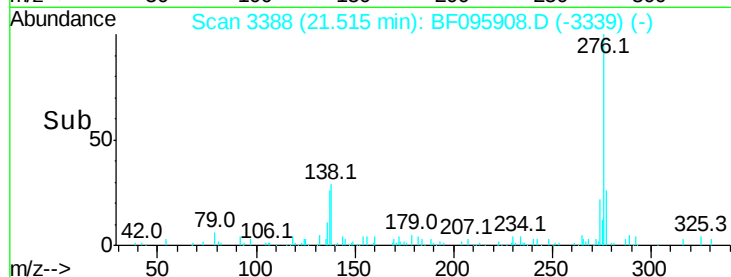
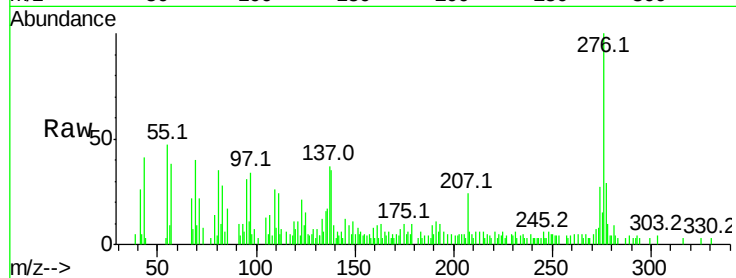
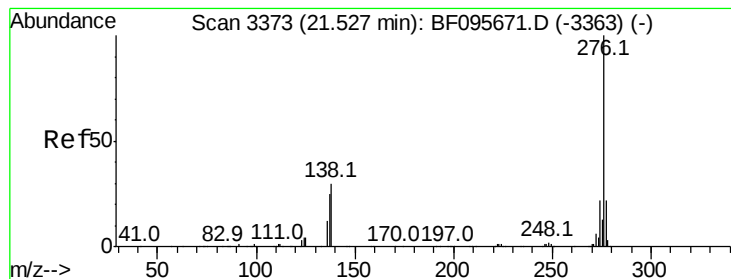
Tot Ion:252 Resp: 47254
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 20.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 5.96 ng
RT: 19.94 min Scan# 3120
Delta R.T. -0.03 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion:252 Resp: 34575
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 20.3 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 4.28 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 21445

Ion Ratio Lower Upper

276 100

277 29.4 18.6 28.0#

138 34.9 25.4 38.0

