

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095171.D
 Acq On : 16 May 2017 23:11
 Operator : SJ/MA
 Sample : I3167-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 05:58:45 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

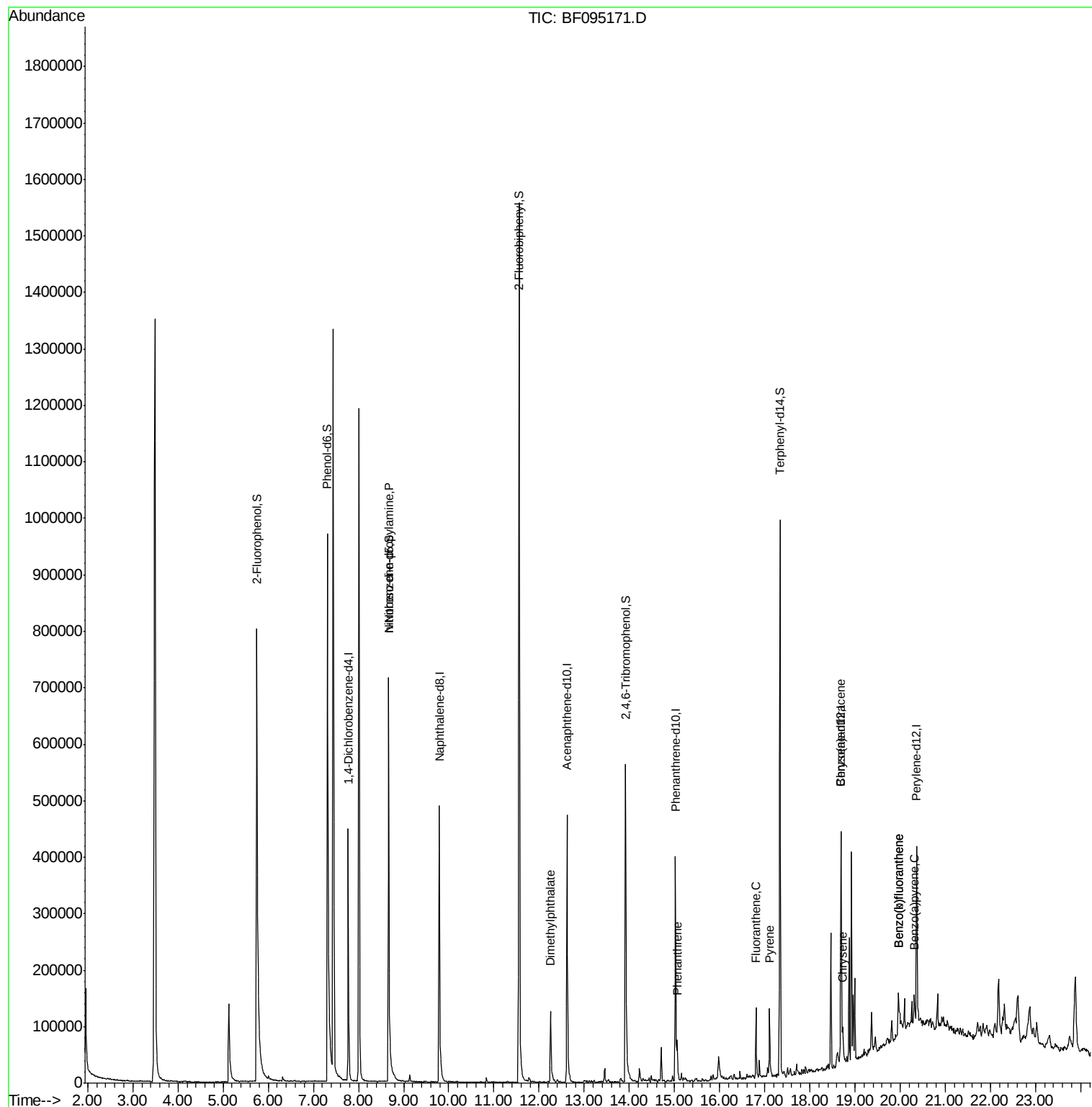
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	102426	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	385606	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	147864	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	224964	20.00	ng	0.04
75) Chrysene-d12	18.69	240	176277	20.00	ng	0.04
86) Perylene-d12	20.37	264	148570	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	556570	90.59	ng	0.06
7) Phenol-d6	7.31	99	667916	90.61	ng	0.04
23) Nitrobenzene-d5	8.67	82	399797	65.38	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	113136	93.43	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	729907	71.05	ng	0.03
78) Terphenyl-d14	17.34	244	391456	48.91	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.67	70	48776	9.78	ng	Qvalue # 77
49) Dimethylphthalate	12.25	163	102710	8.46	ng	100
70) Phenanthrene	15.06	178	41526	3.21	ng	99
74) Fluoranthene	16.81	202	73362	5.53	ng	98
77) Pyrene	17.11	202	59341	4.50	ng	94
80) Benzo(a)anthracene	18.68	228	25684	2.50	ng	98
82) Chrysene	18.72	228	29594	2.98	ng	99
87) Benzo(b)fluoranthene	19.97	252	44661	4.86	ng	# 95
88) Benzo(k)fluoranthene	19.97	252	44661	5.04	ng	99
89) Benzo(a)pyrene	20.31	252	21419	2.53	ng	# 84

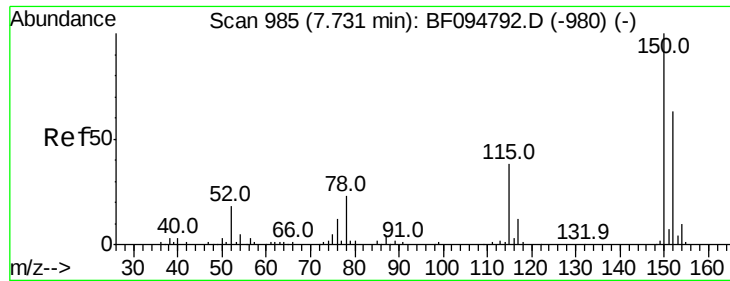
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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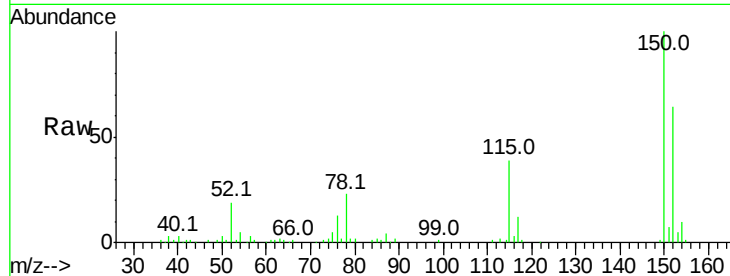


#1

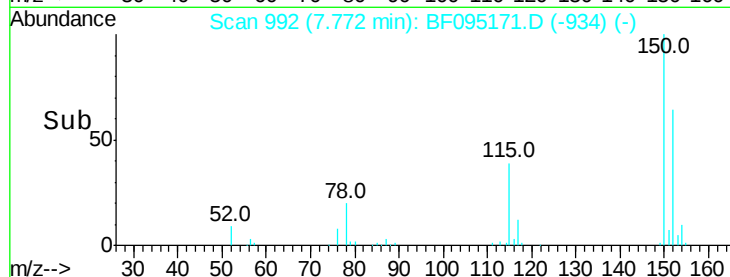
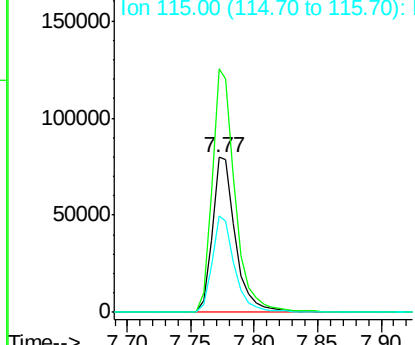
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102426
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 61.9 52.2 78.2



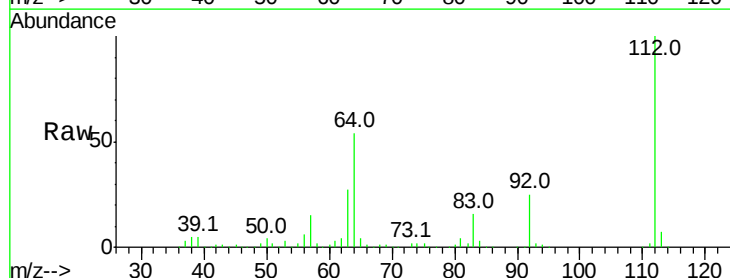
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



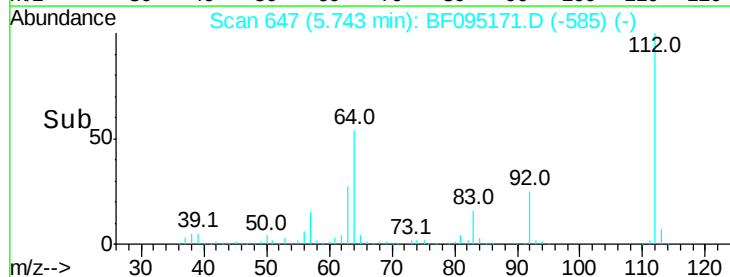
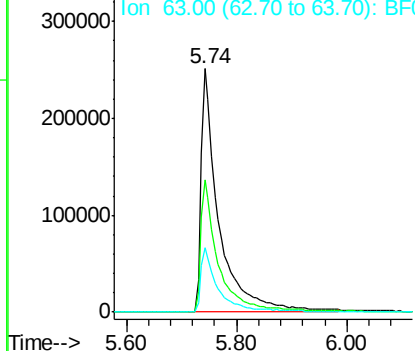
#5

2-Fluorophenol
Concen: 90.59 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.06 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion:112 Resp: 556570
Ion Ratio Lower Upper
112 100
64 54.1 46.0 69.0
63 26.5 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: 90.61 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

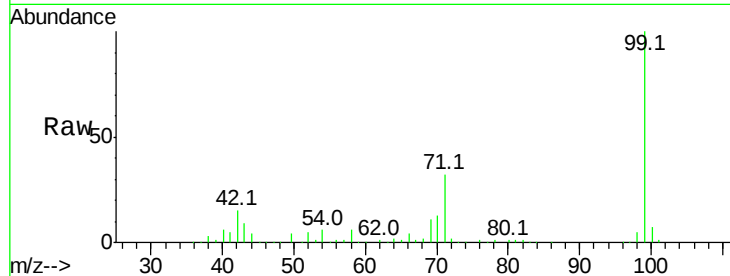
Tot Ion: 99 Resp: 667916

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

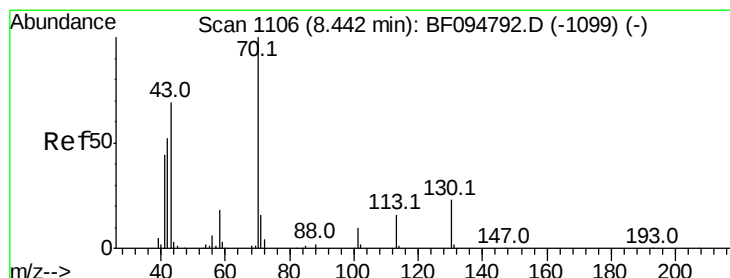
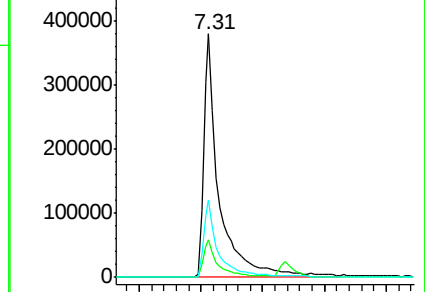
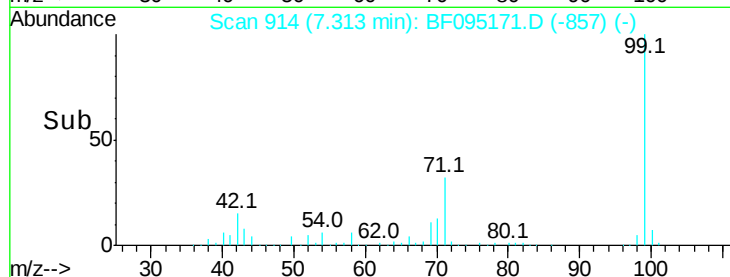
71 31.5 24.5 36.7



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: 9.78 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.23 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Tgt Ion: 70 Resp: 48776

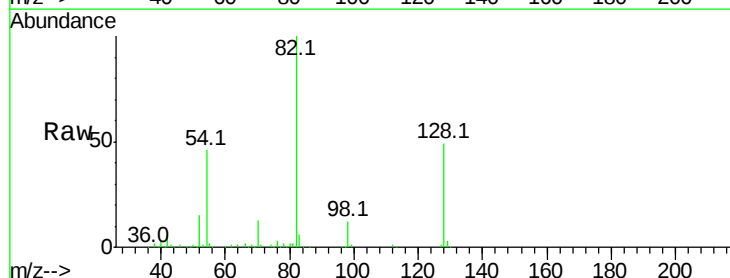
Ion Ratio Lower Upper

70 100

42 45.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

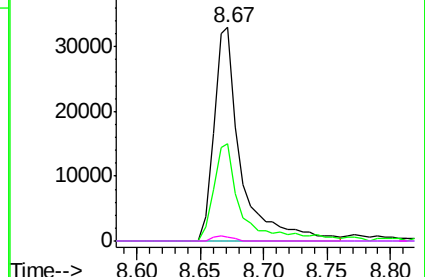
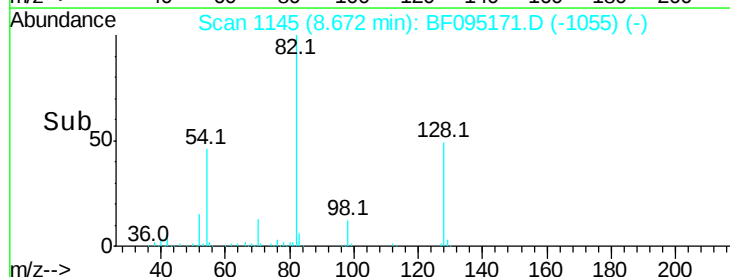


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 385606

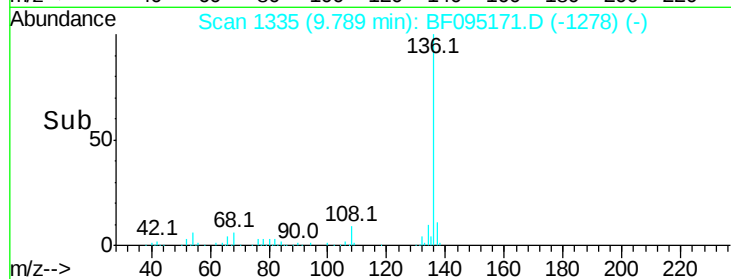
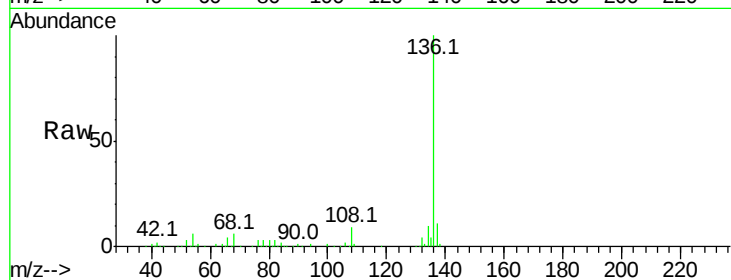
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.3 4.9 7.3

68 5.6 4.1 6.1

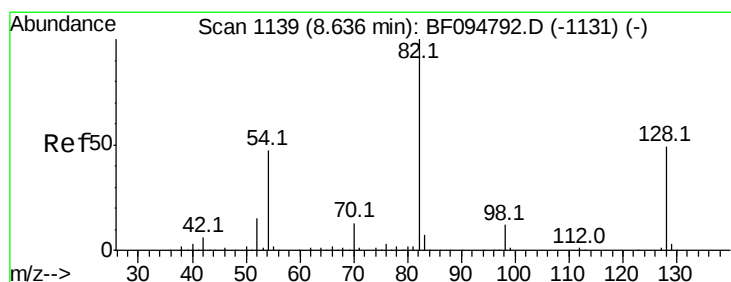
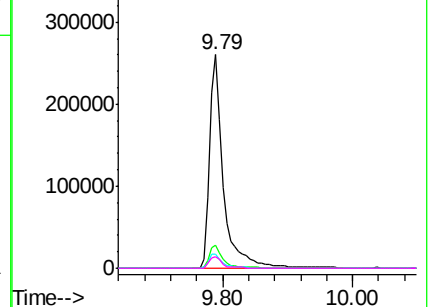


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.38 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

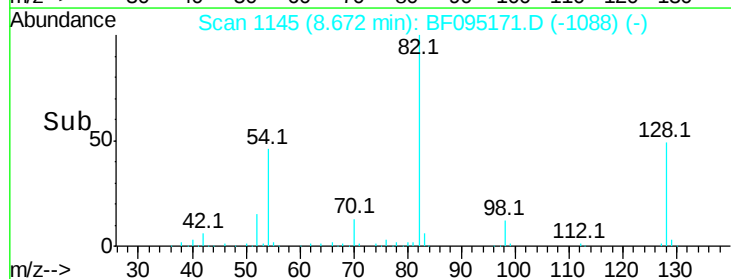
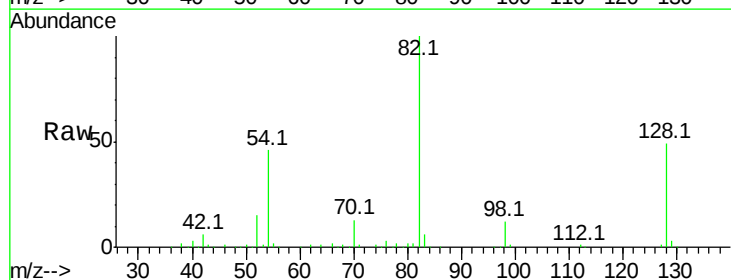
Tgt Ion: 82 Resp: 399797

Ion Ratio Lower Upper

82 100

128 49.4 34.0 51.0

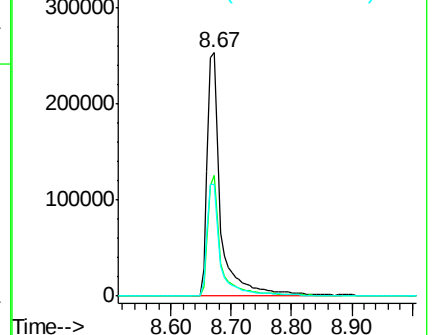
54 45.9 42.2 63.2



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: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

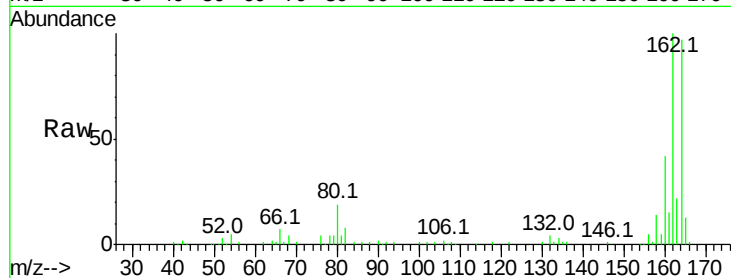
Tot Ion:164 Resp: 147864

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

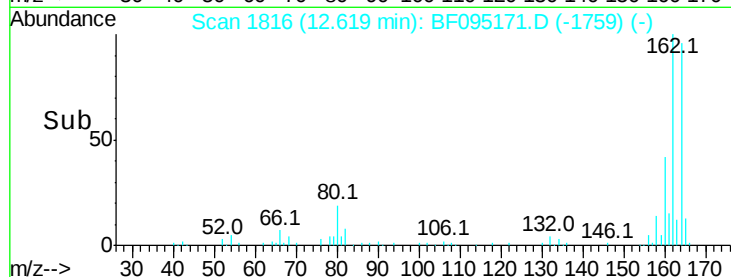
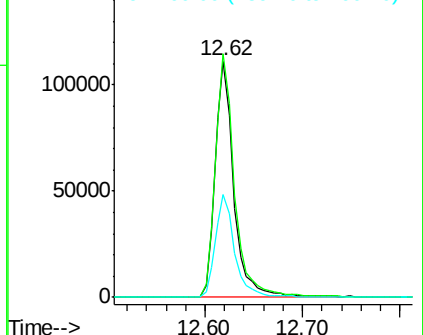
160 43.7 36.2 54.2



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: 93.43 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

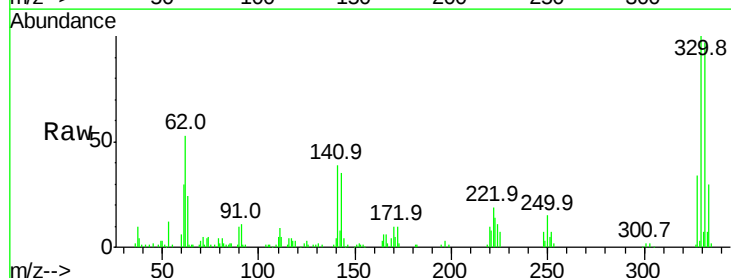
Tgt Ion:330 Resp: 113136

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

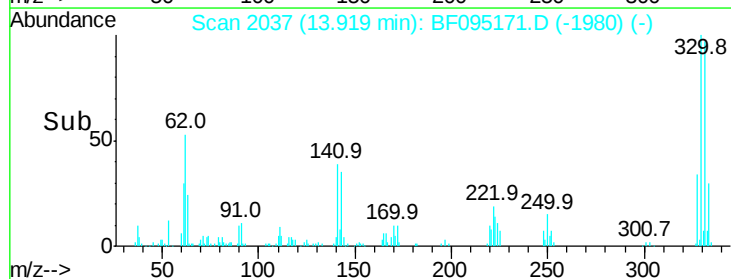
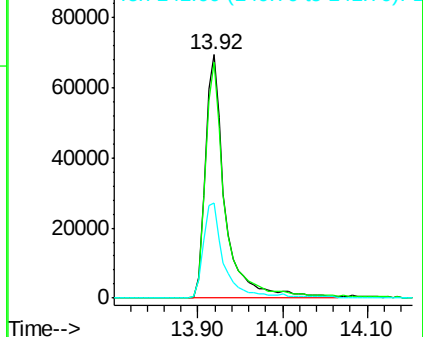
141 40.9 31.4 47.2



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

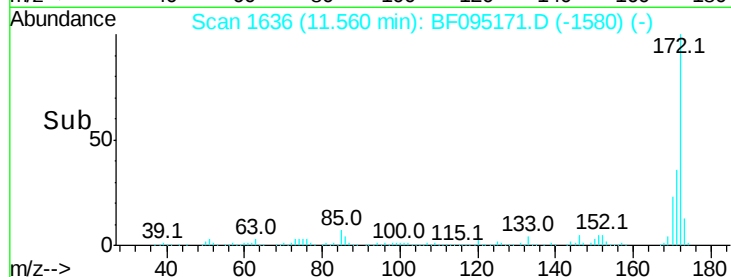
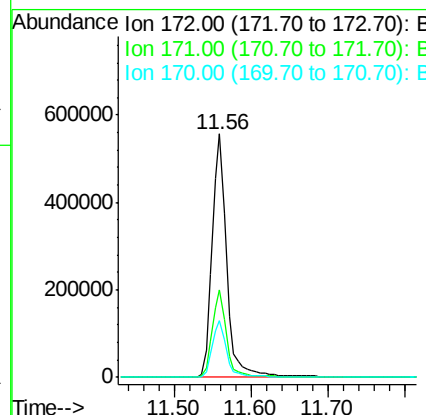
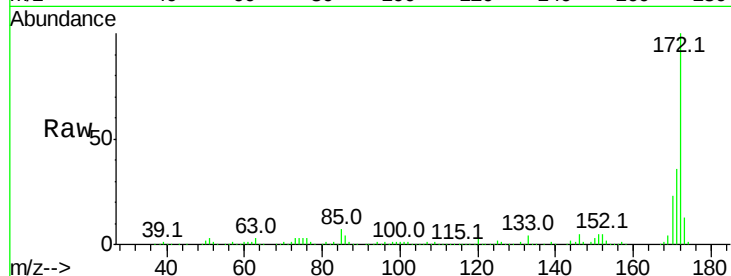




#44
2-Fluorobiphenyl
Concen: 71.05 ng
RT: 11.56 min Scan# 1636
Delta R.T. 0.03 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

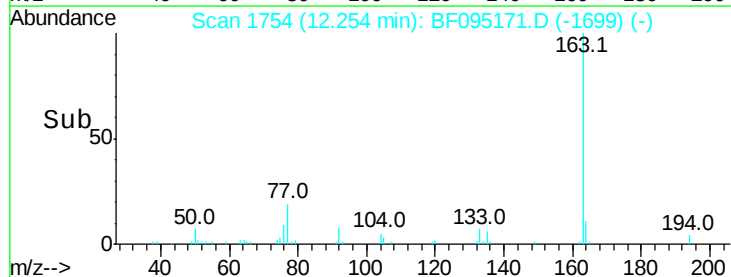
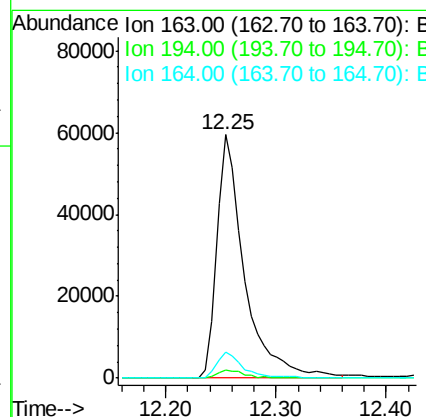
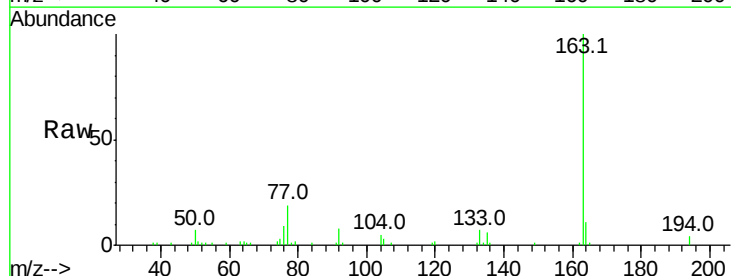
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 729907
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 8.46 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion:163 Resp: 102710
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.6 8.4 12.6

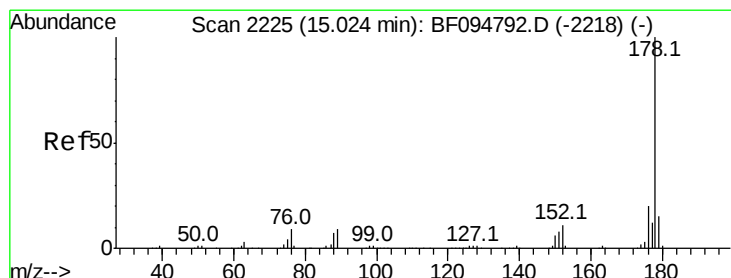
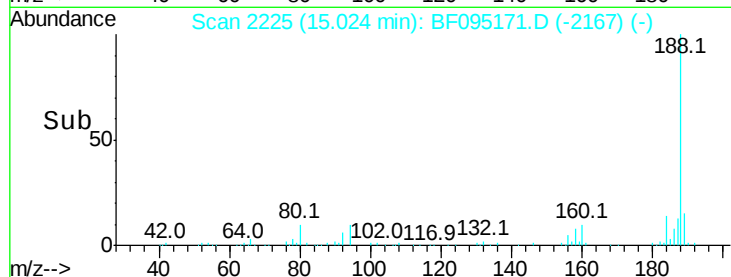
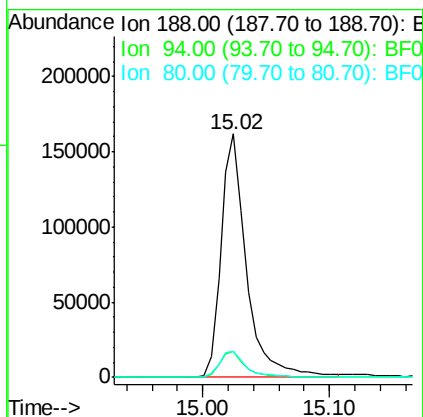
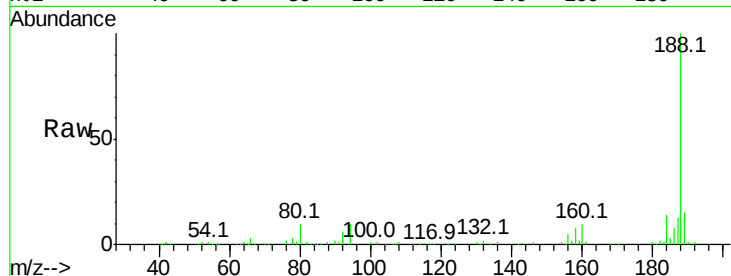




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

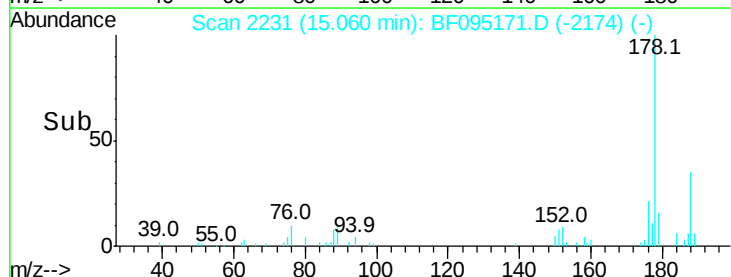
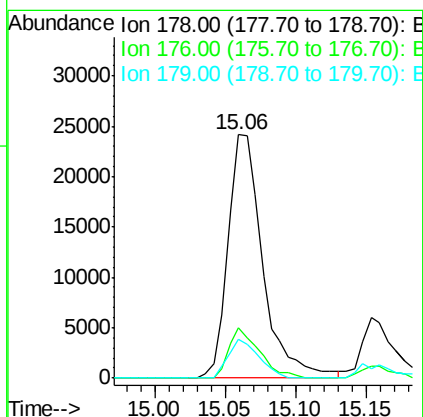
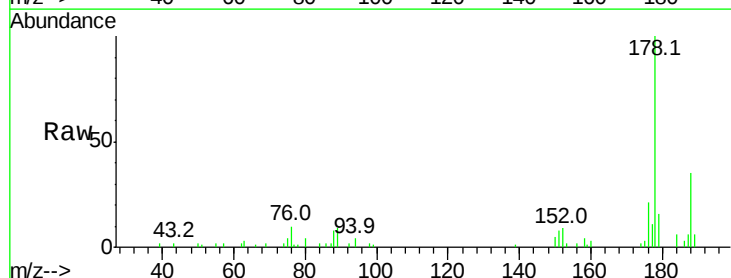
Instrument :
 BNA_F
 ClientSampleId :

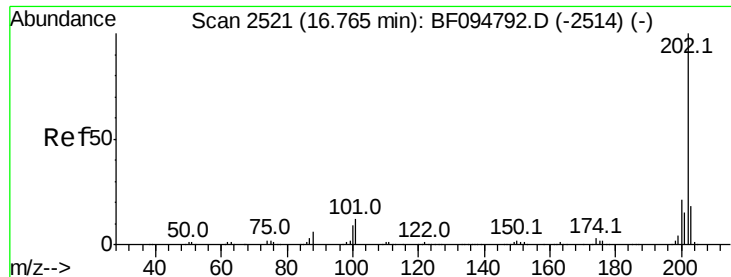
Tot Ion:188 Resp: 224964
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 10.5 10.2 15.2



#70
 Phenanthrene
 Concen: 3.21 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Tgt Ion:178 Resp: 41526
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 16.0 12.6 19.0

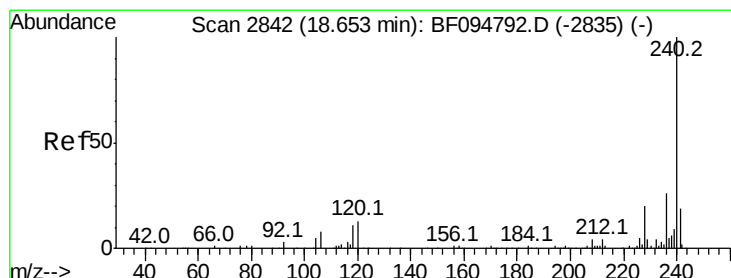
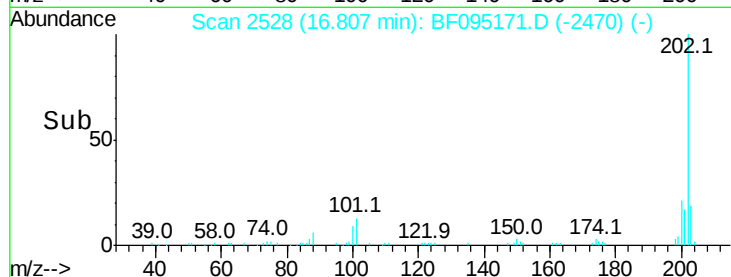
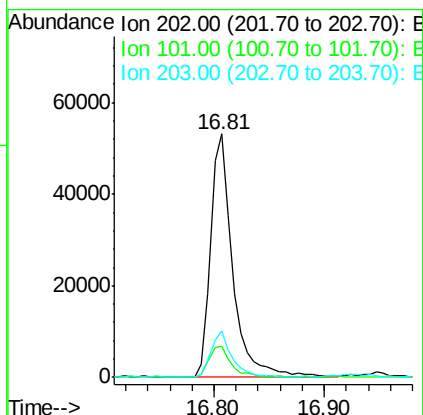
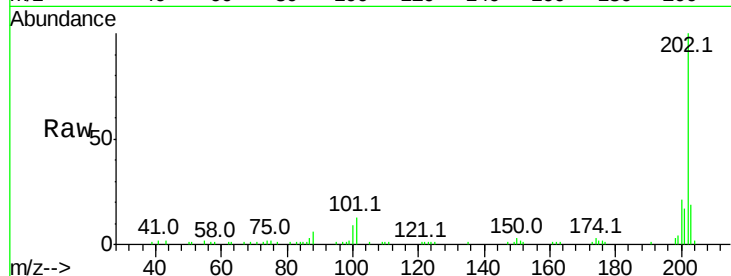




#74
 Fluoranthene
 Concen: 5.53 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

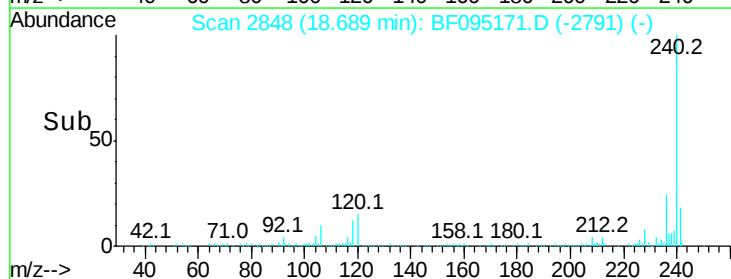
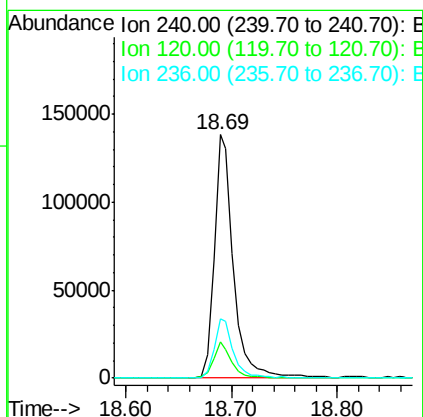
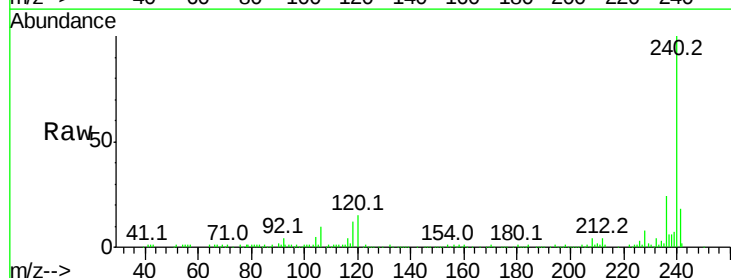
Instrument :
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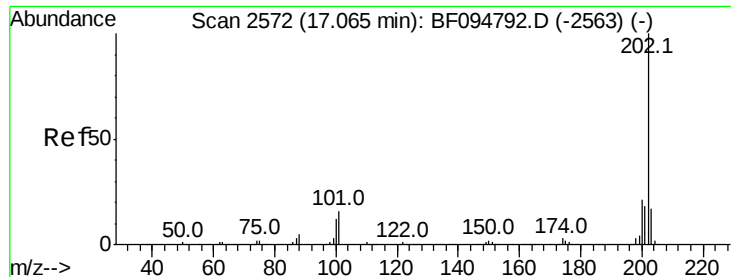
Tot Ion:202 Resp: 73362
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 19.3 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Tgt Ion:240 Resp: 176277
 Ion Ratio Lower Upper
 240 100
 120 14.8 5.8 8.8#
 236 24.5 20.5 30.7





#77

Pvrene

Concen: 4.50 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

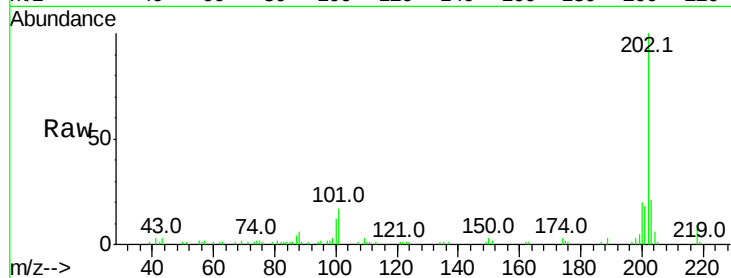
Tot Ion:202 Resp: 59341

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

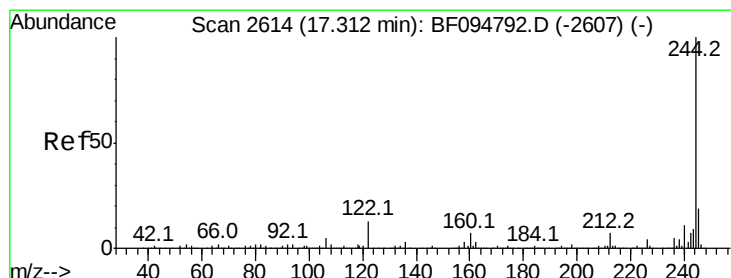
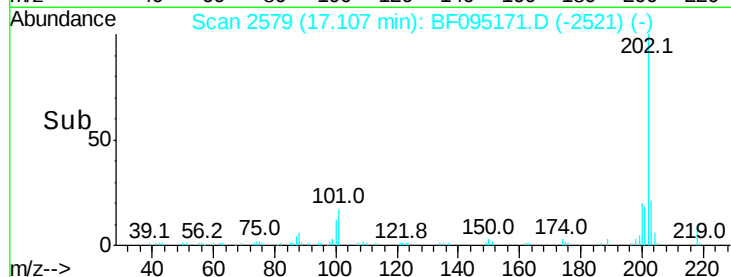
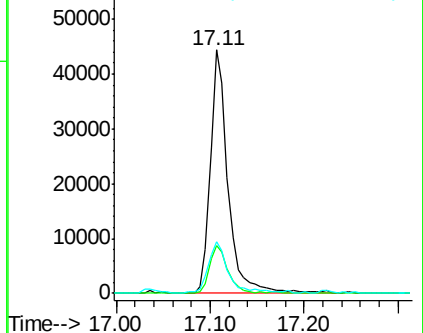
203 21.1 14.4 21.6



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: 48.91 ng

RT: 17.34 min Scan# 2618

Delta R.T. 0.02 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

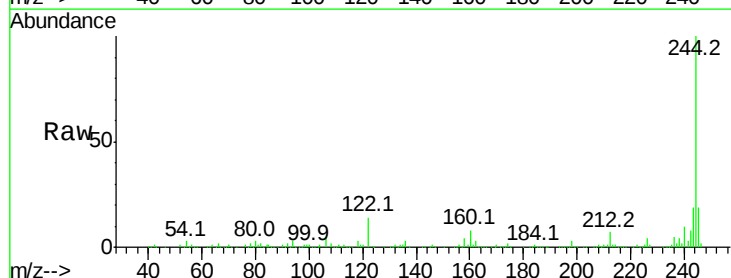
Tgt Ion:244 Resp: 391456

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

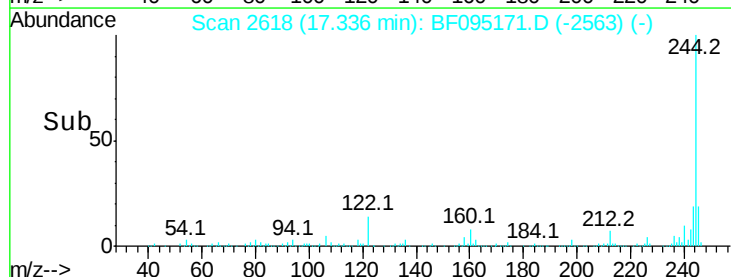
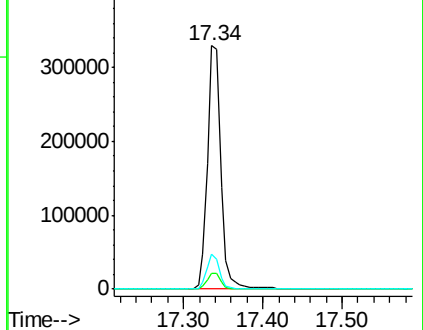
122 14.3 10.3 15.5

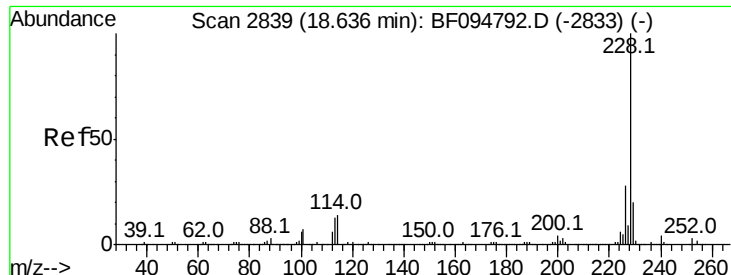


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.50 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.05 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

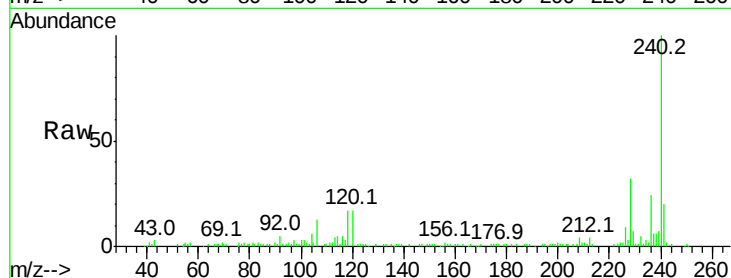
Tot Ion:228 Resp: 25684

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

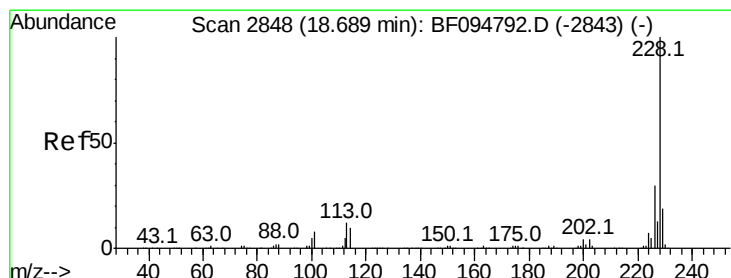
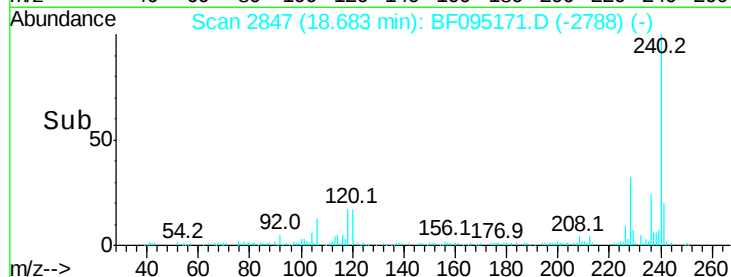
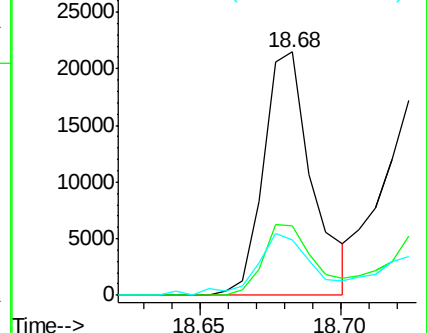
229 22.6 16.3 24.5



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: 2.98 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

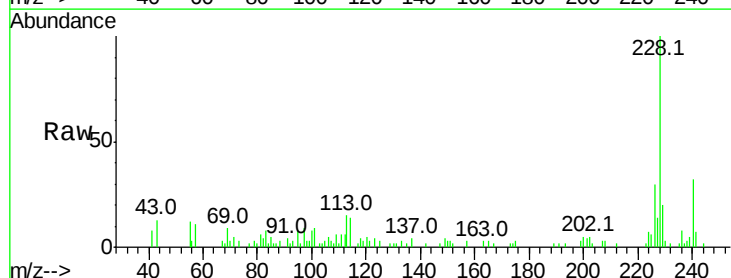
Tgt Ion:228 Resp: 29594

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

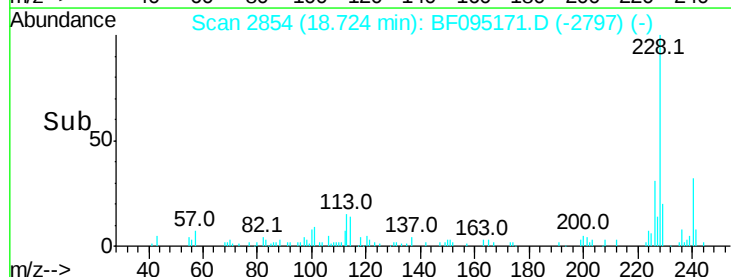
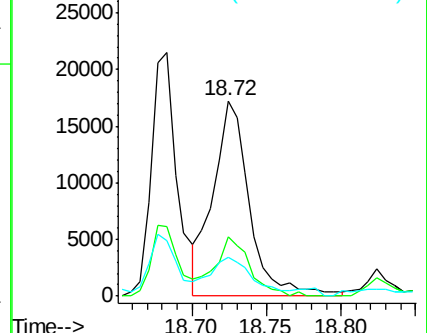
229 19.7 15.8 23.6

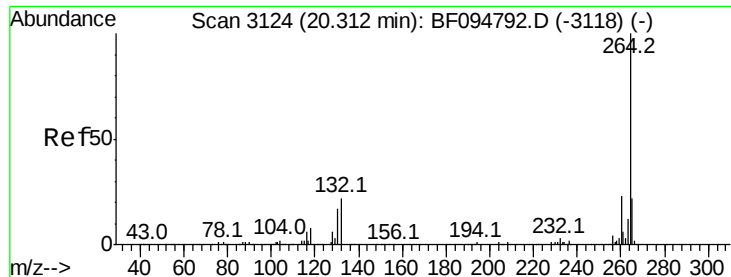


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



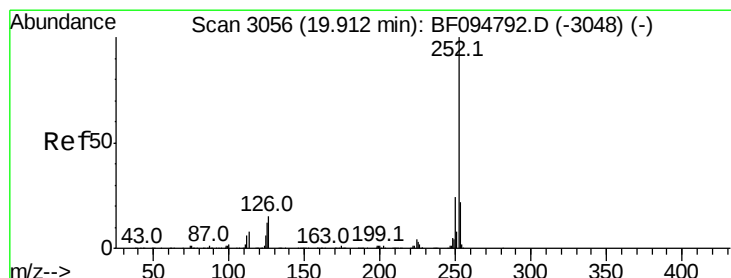
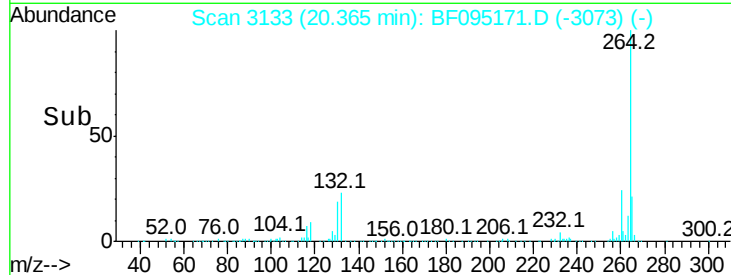
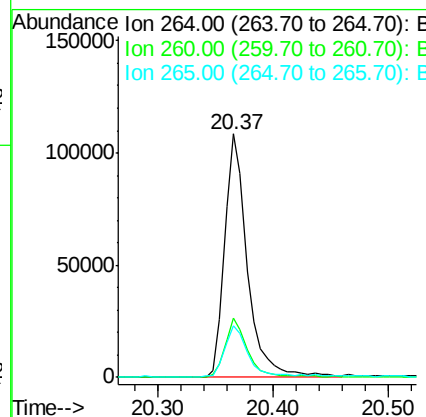
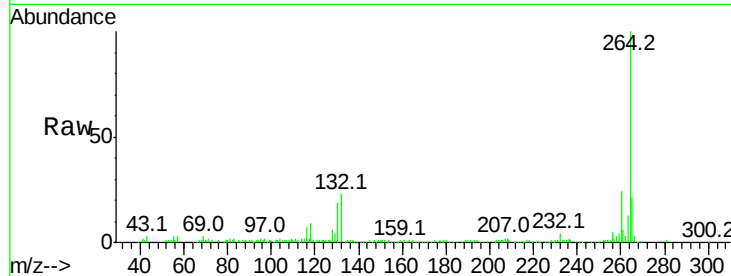


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 148570

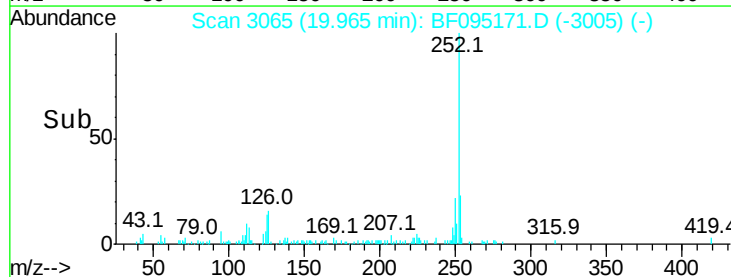
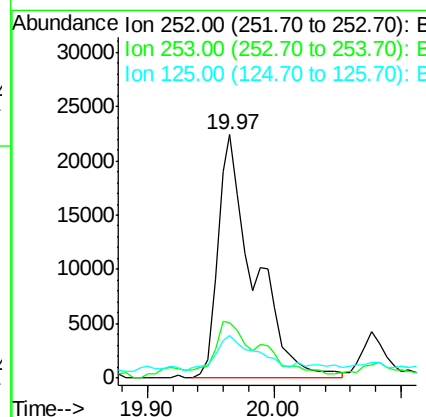
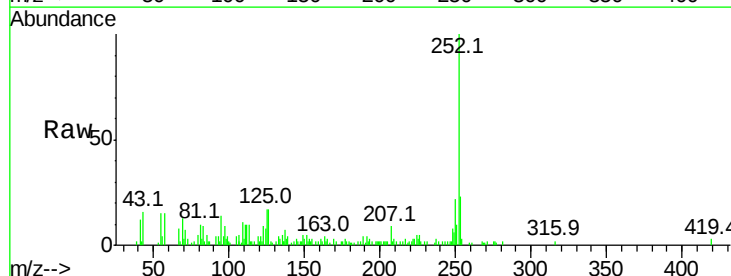
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8

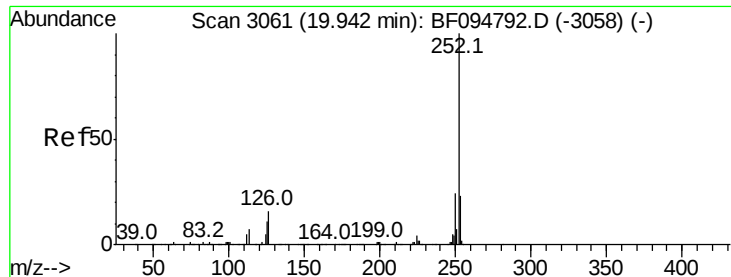


#87
Benzo(b)fluoranthene
Concen: 4.86 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion:252 Resp: 44661

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	17.4	9.8	14.8

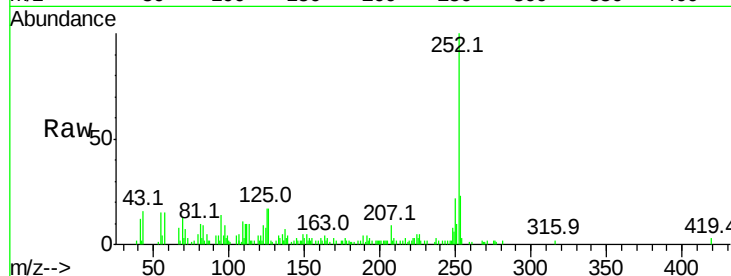




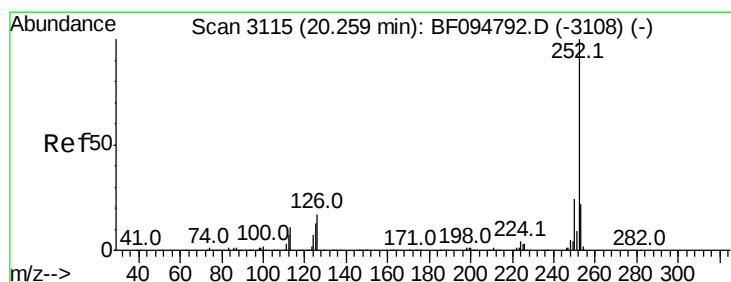
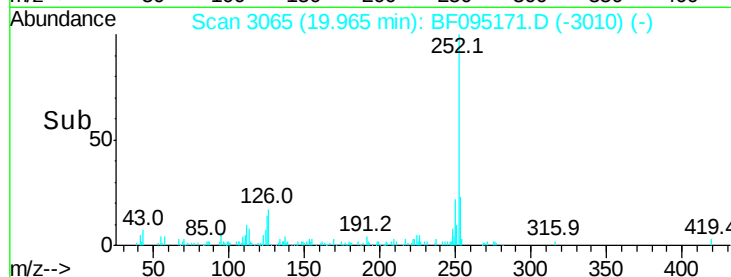
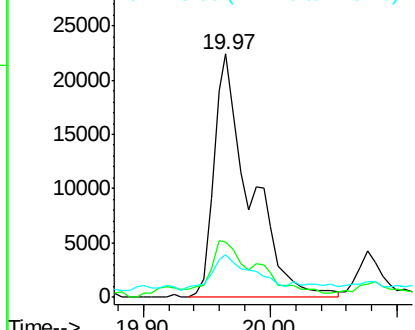
#88
Benzo(k)fluoranthene
Concen: 5.04 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.02 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44661
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 17.4 13.1 19.7

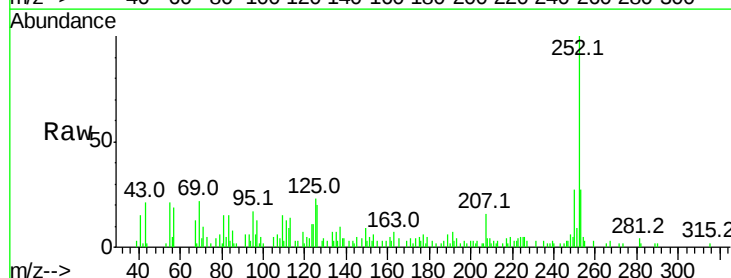


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.53 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion:252 Resp: 21419
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 23.5 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

