

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095260.D
 Acq On : 19 May 2017 12:06
 Operator : SJ/MA
 Sample : I3186-13DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESWDL

Quant Time: May 19 15:01:26 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

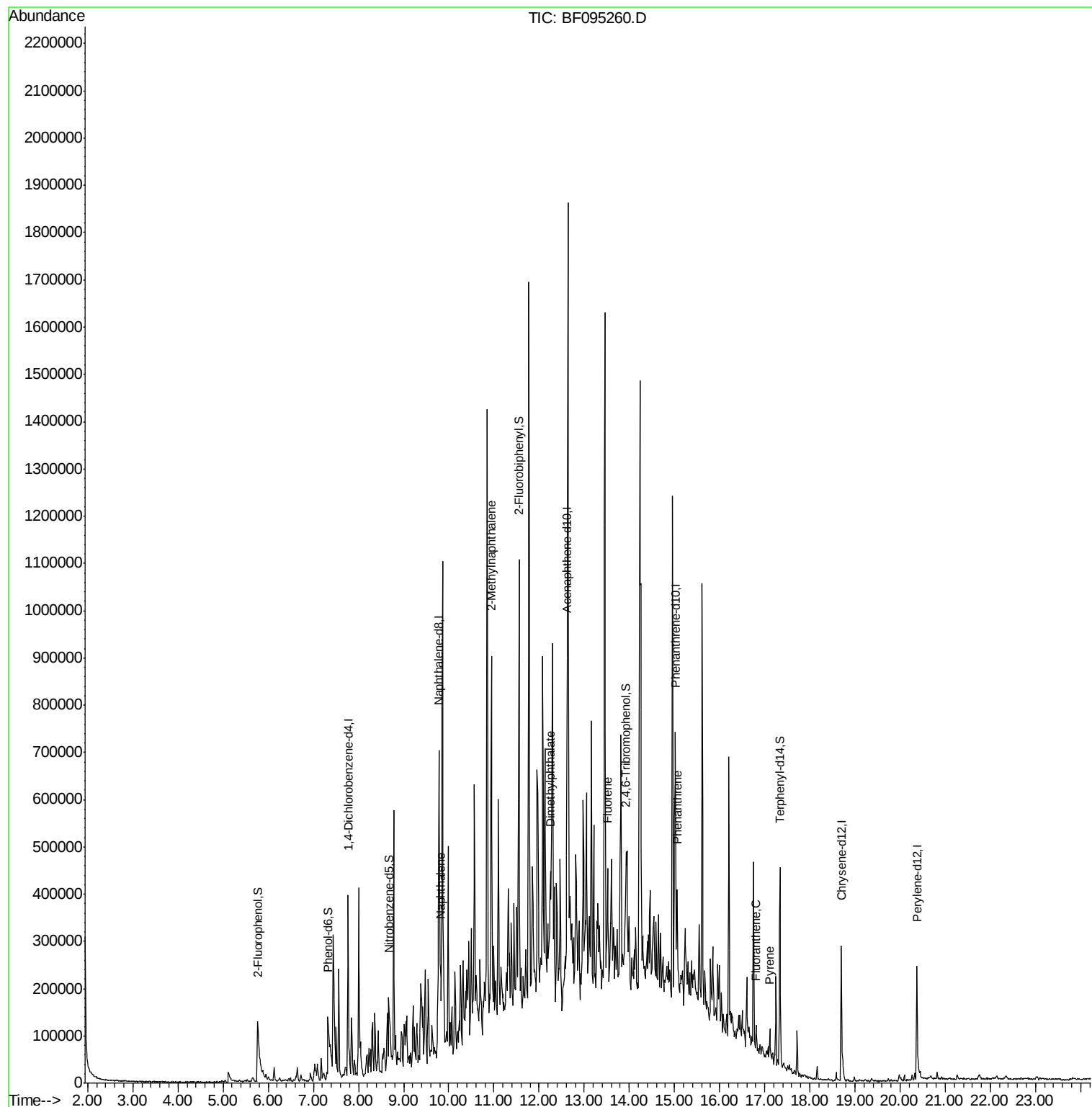
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	89723	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	375639	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	169083	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	268353	20.00	ng	0.00
75) Chrysene-d12	18.69	240	167263	20.00	ng	0.00
86) Perylene-d12	20.37	264	149673	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	155360	28.87	ng	0.03
7) Phenol-d6	7.32	99	181143	28.05	ng	0.01
23) Nitrobenzene-d5	8.67	82	114368	19.20	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	40180	29.02	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	255168	21.72	ng	0.00
78) Terphenyl-d14	17.34	244	175029	23.05	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.82	128	101741	5.39	ng	99
37) 2-Methylnaphthalene	10.94	142	273700	22.09	ng	98
49) Dimethylphthalate	12.25	163	52970	3.82	ng	# 99
57) Fluorene	13.52	166	33743	2.61	ng	# 93
70) Phenanthrene	15.06	178	122866	7.97	ng	95
74) Fluoranthene	16.81	202	35570	2.25	ng	99
77) Pyrene	17.11	202	35684	2.85	ng	97

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

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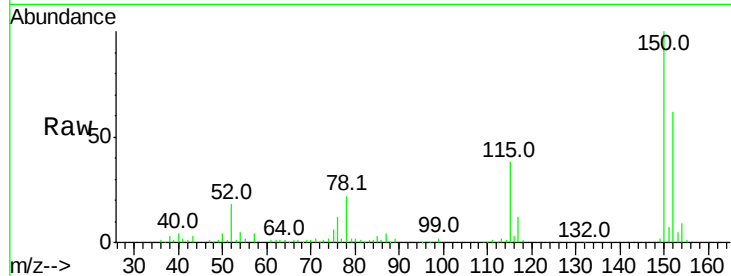


#1

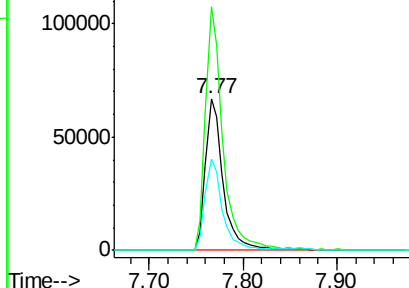
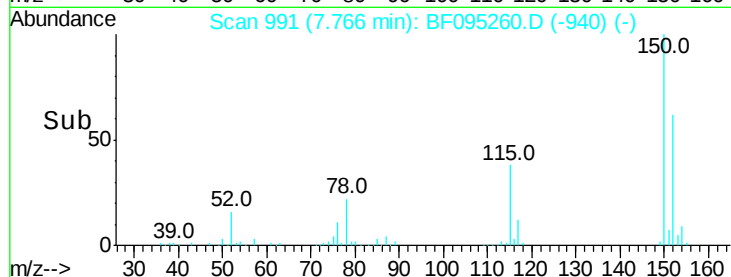
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESWDL

Tot Ion:152 Resp: 89723
Ion Ratio Lower Upper
152 100
150 160.8 126.2 189.2
115 60.3 52.2 78.2



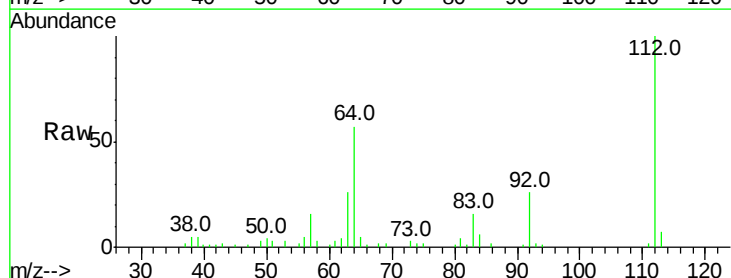
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



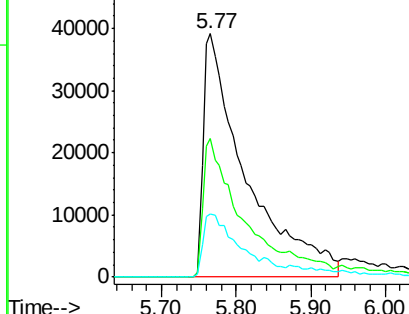
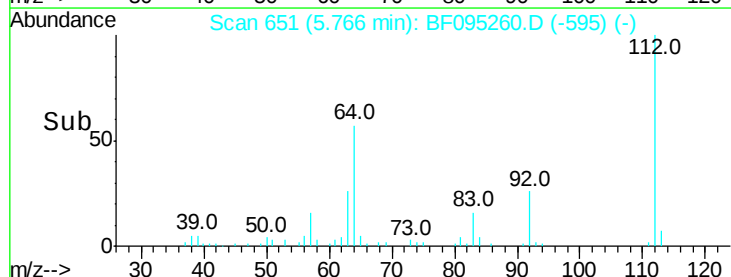
#5

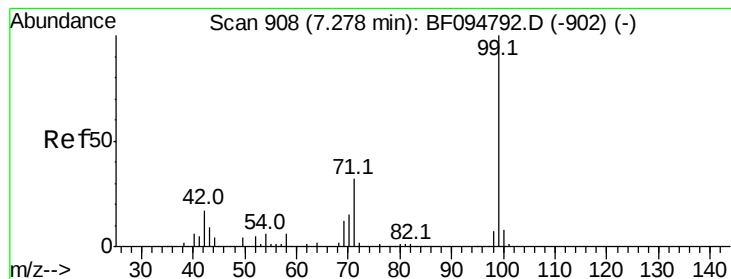
2-Fluorophenol
Concen: 28.87 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.03 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion:112 Resp: 155360
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 25.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.05 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESWDL

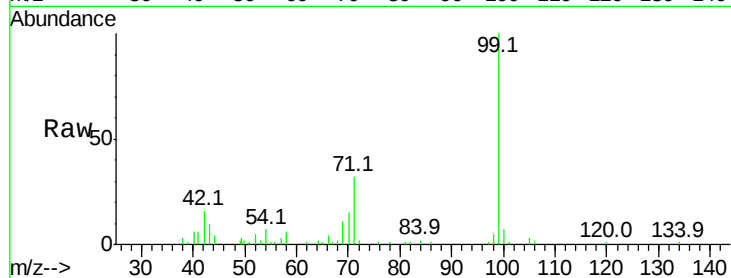
Tot Ion: 99 Resp: 181143

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

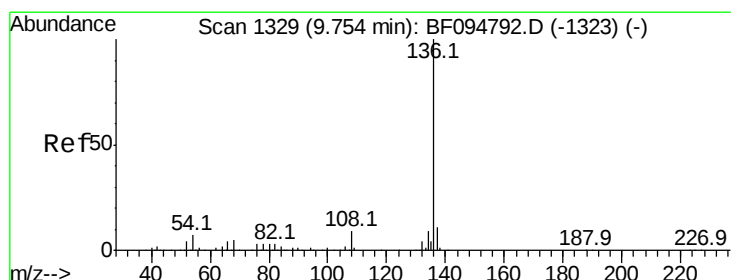
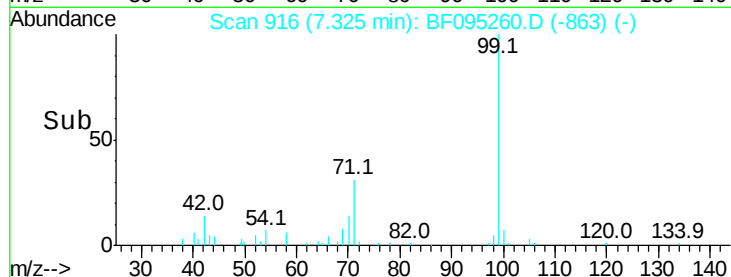
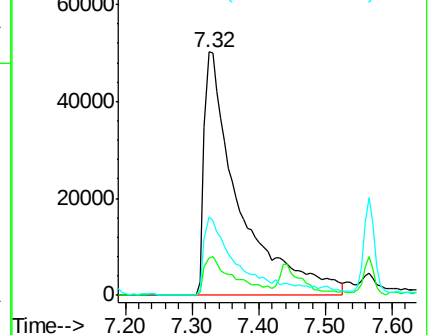
71 32.2 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Tgt Ion: 136 Resp: 375639

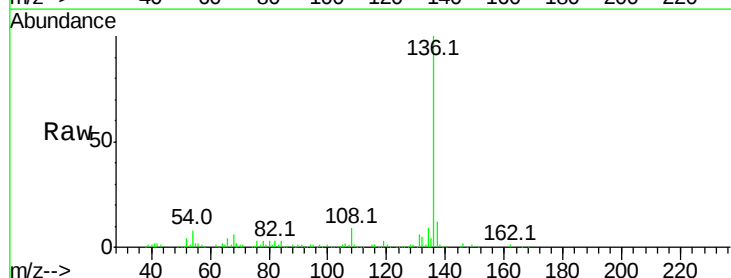
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 7.5 4.9 7.3#

68 5.7 4.1 6.1

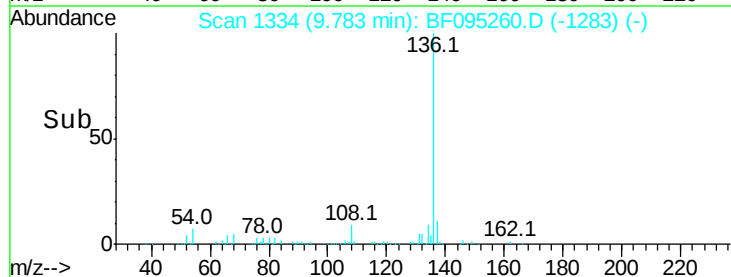
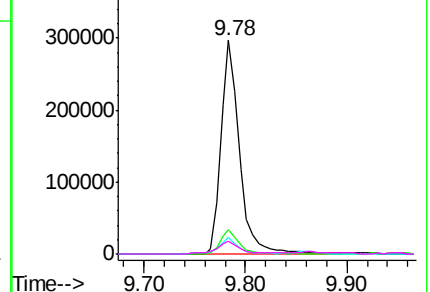


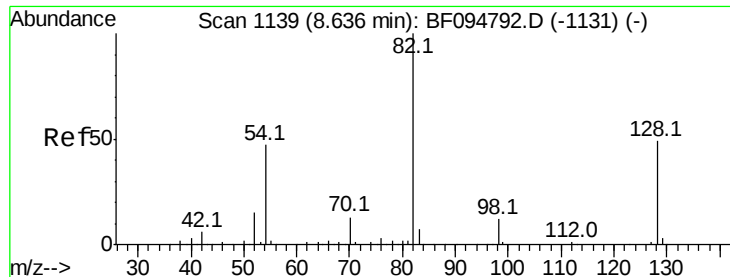
Abundance Ion 136.00 (135.70 to 136.70): E

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

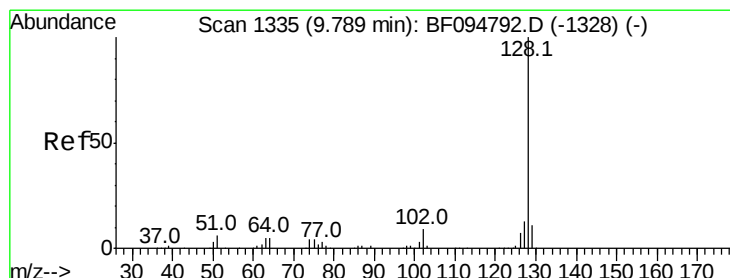
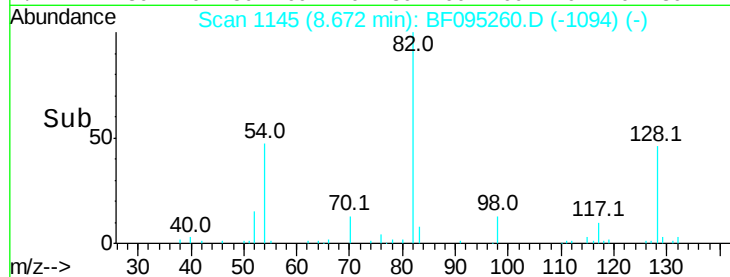
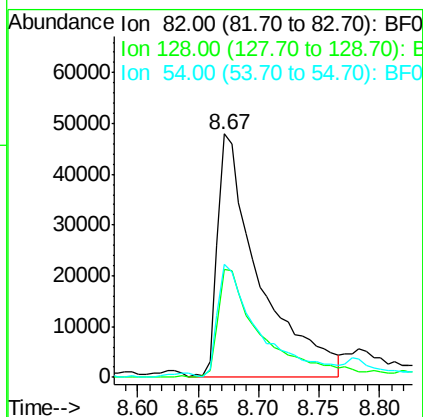
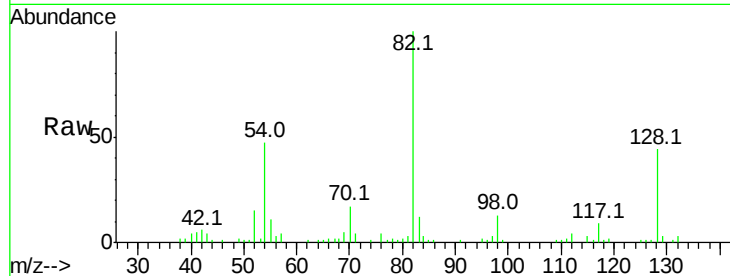




#23
 Nitrobenzene-d5
 Concen: 19.20 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

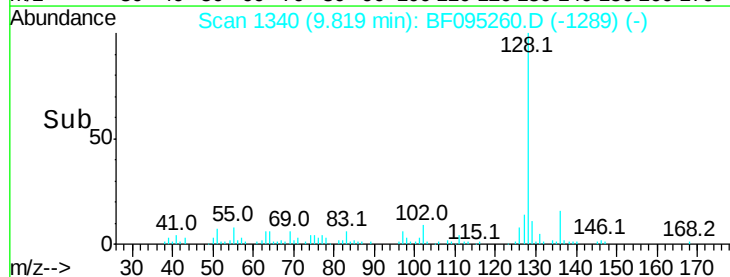
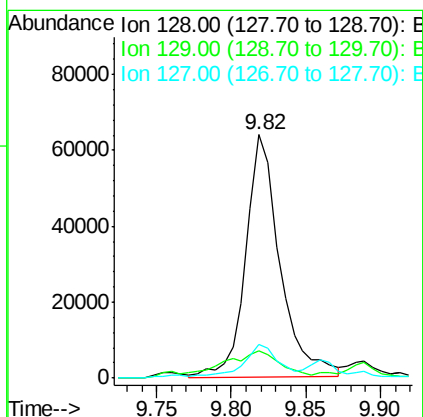
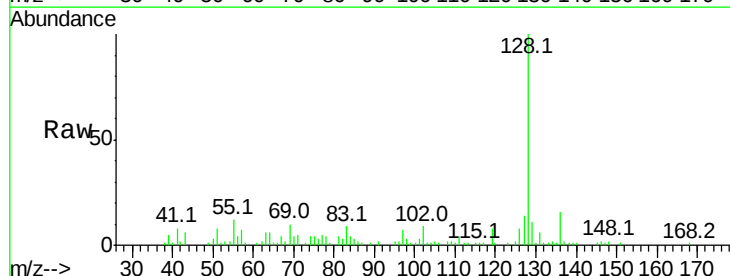
Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESWDL

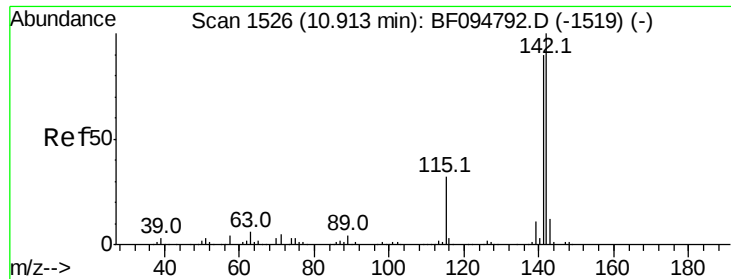
Tot Ion: 82 Resp: 114368
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.0 51.0
 54 46.6 42.2 63.2



#31
 Naphthalene
 Concen: 5.39 ng
 RT: 9.82 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion: 128 Resp: 101741
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.0 13.6
 127 13.8 10.8 16.2

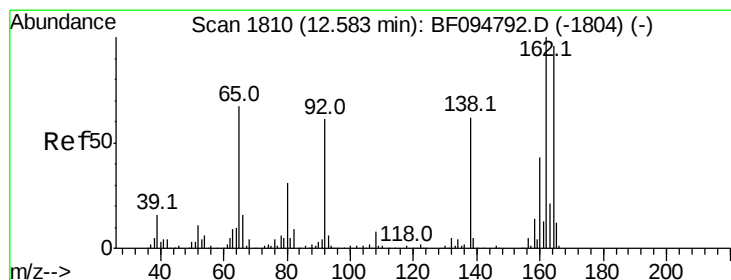
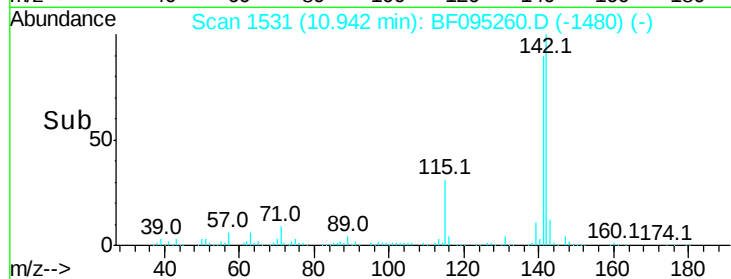
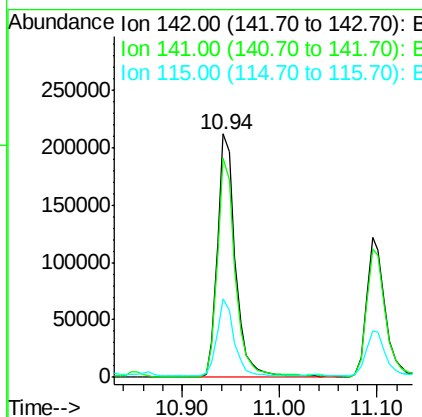
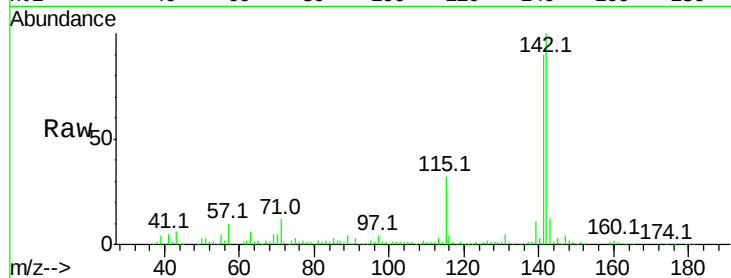




#37
2-Methylnaphthalene
Concen: 22.09 ng
RT: 10.94 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

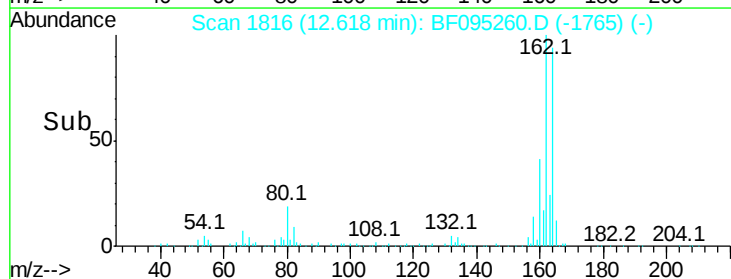
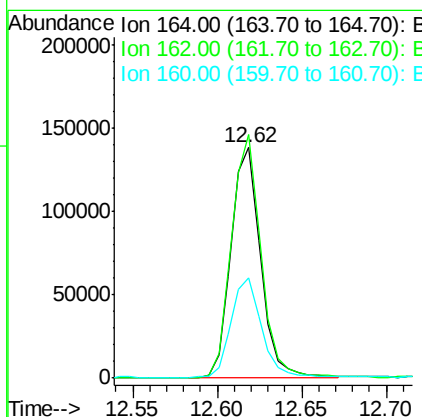
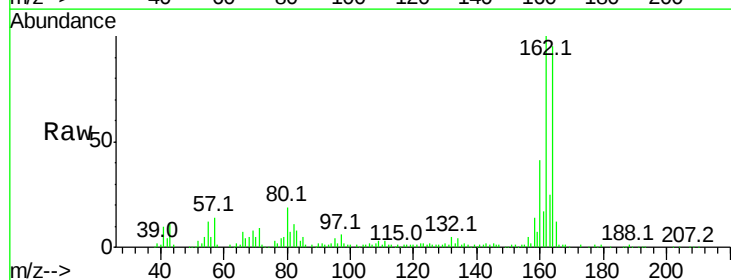
Instrument :
BNA_F
ClientSampled :
E2-S4-ESWDL

Tot Ion:142 Resp: 273700
Ion Ratio Lower Upper
142 100
141 90.2 71.3 106.9
115 32.2 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion:164 Resp: 169083
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 43.4 36.2 54.2

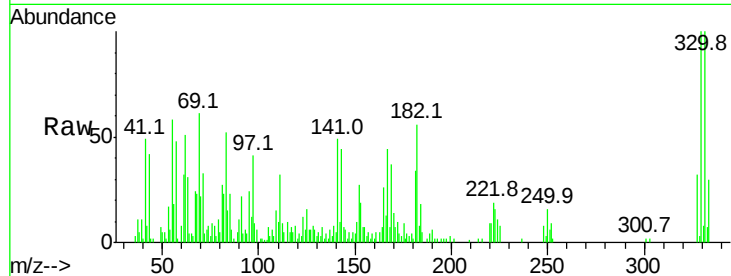




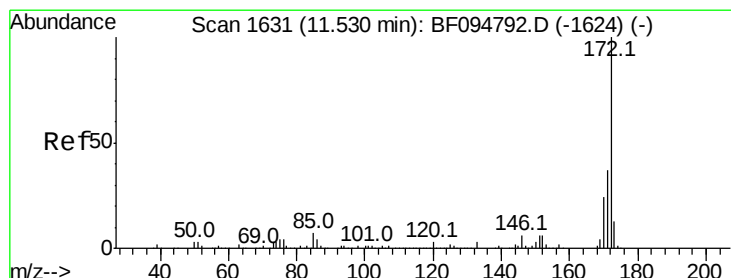
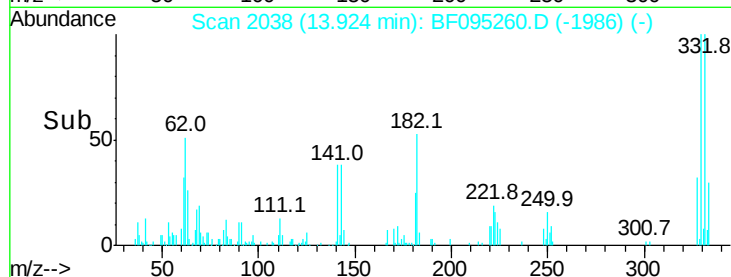
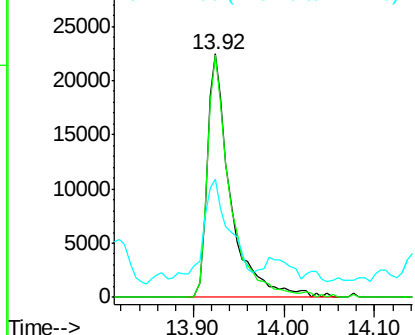
#41
 2,4,6-Tribromophenol
 Concen: 29.02 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESWDL

Tot Ion:330 Resp: 40180
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 49.8 31.4 47.2#

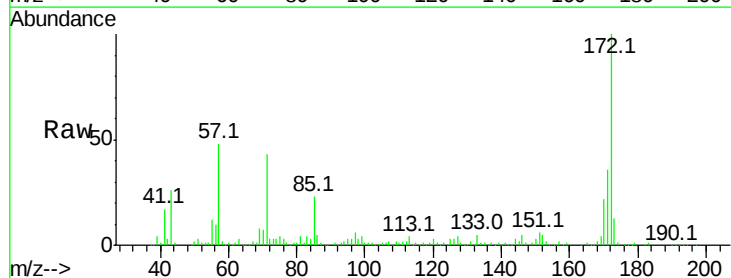


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

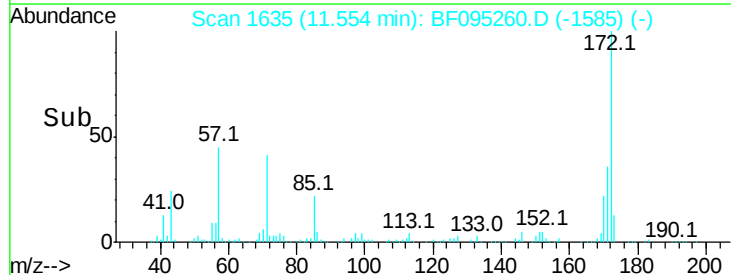
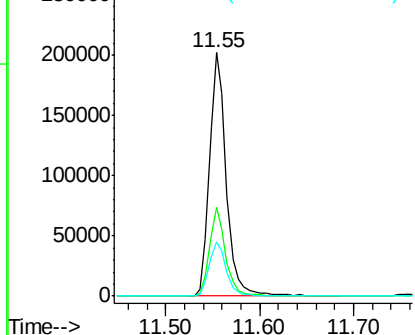


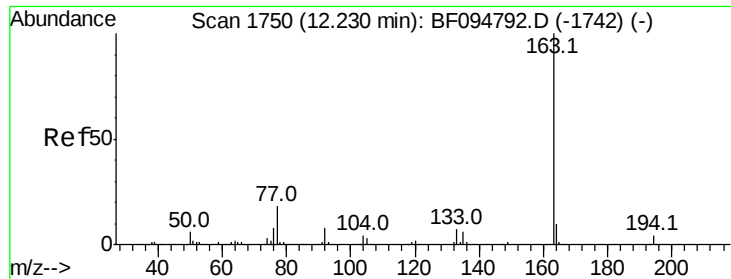
#44
 2-Fluorobiphenyl
 Concen: 21.72 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion:172 Resp: 255168
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 22.4 19.8 29.8



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





#49

Dimethylphthalate

Concen: 3.82 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESWDL

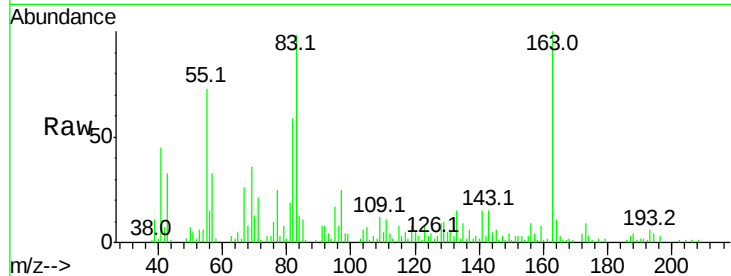
Tot Ion:163 Resp: 52970

Ion Ratio Lower Upper

163 100

194 4.4 2.6 4.0#

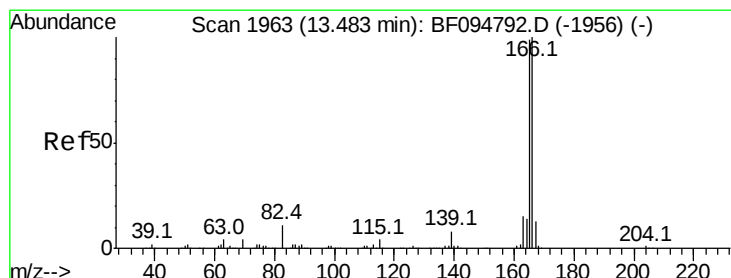
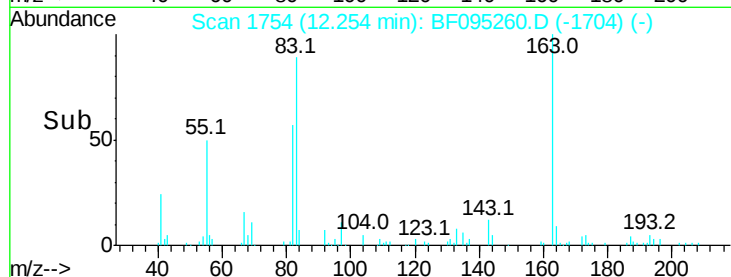
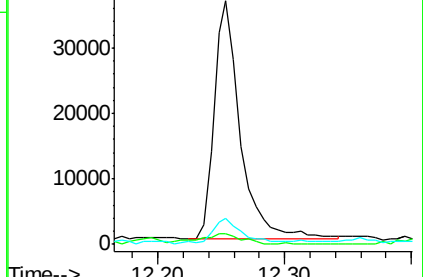
164 10.6 8.4 12.6



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



#57

Fluorene

Concen: 2.61 ng

RT: 13.52 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

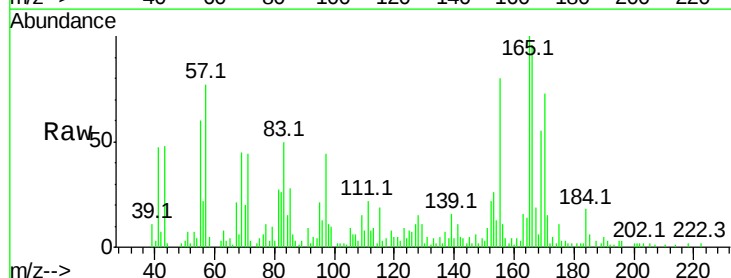
Tgt Ion:166 Resp: 33743

Ion Ratio Lower Upper

166 100

165 104.2 78.8 118.2

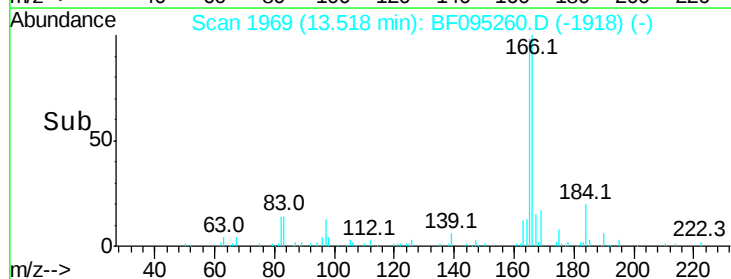
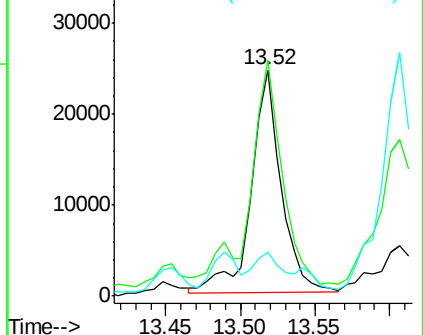
167 19.4 10.6 16.0#

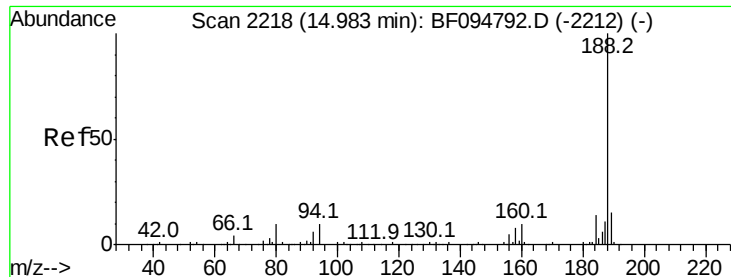


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

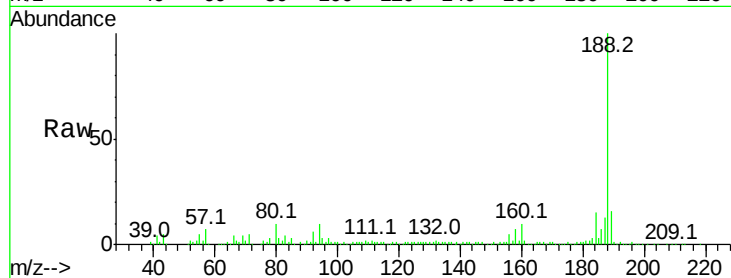




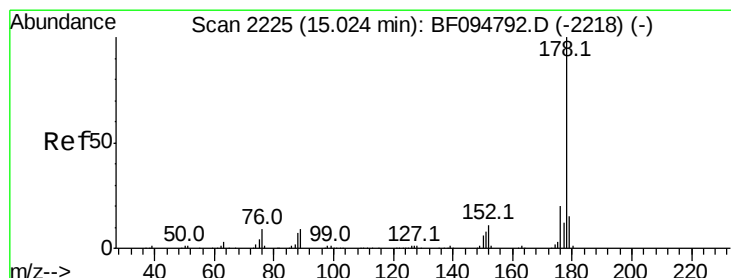
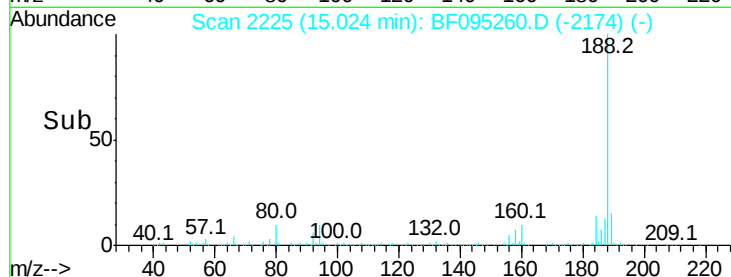
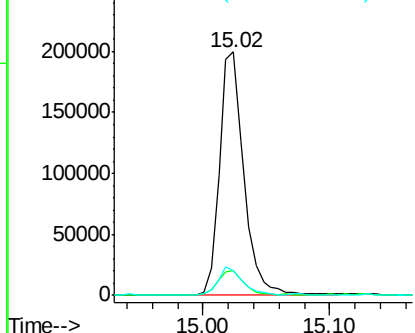
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESWDL

Tot Ion:188 Resp: 268353
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.4 14.2
 80 10.1 10.2 15.2#

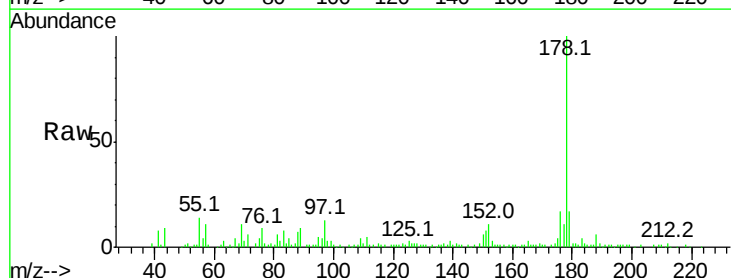


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

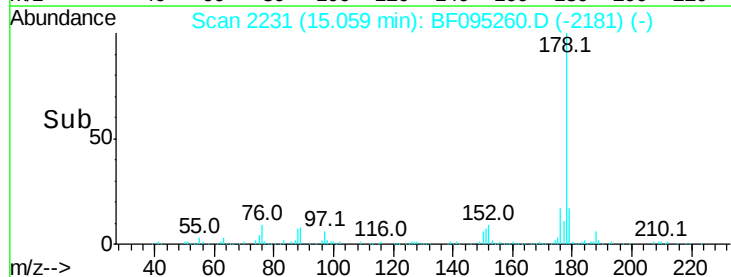
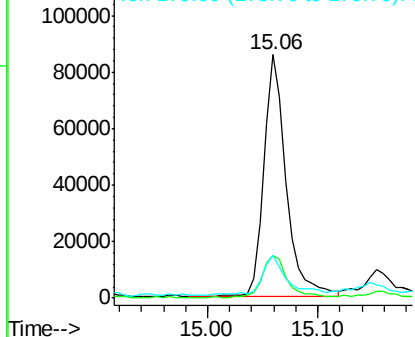


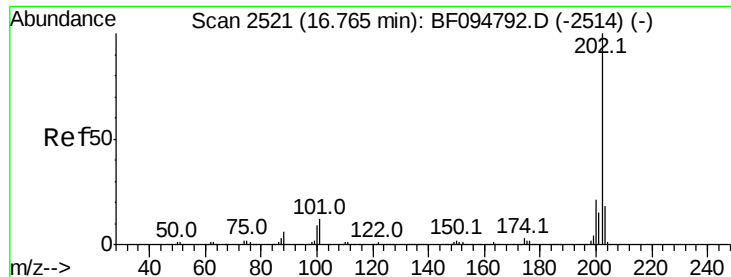
#70
 Phenanthrene
 Concen: 7.97 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion:178 Resp: 122866
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 17.4 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: 2.25 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESWDL

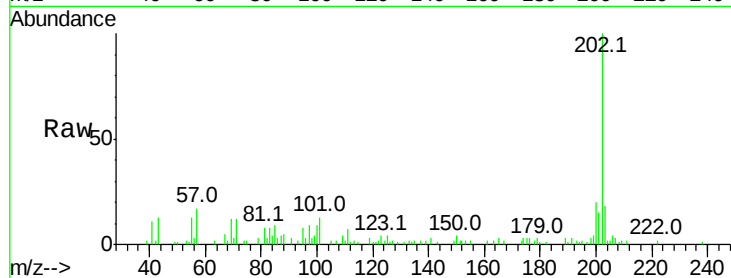
Tot Ion:202 Resp: 35570

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

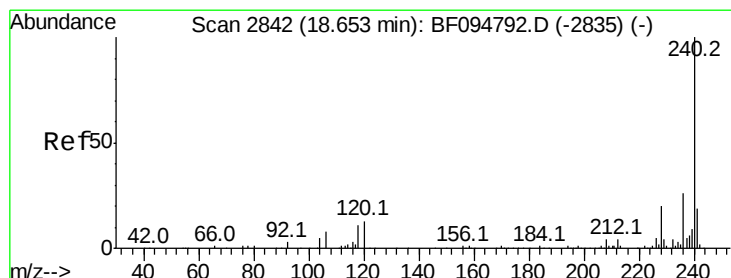
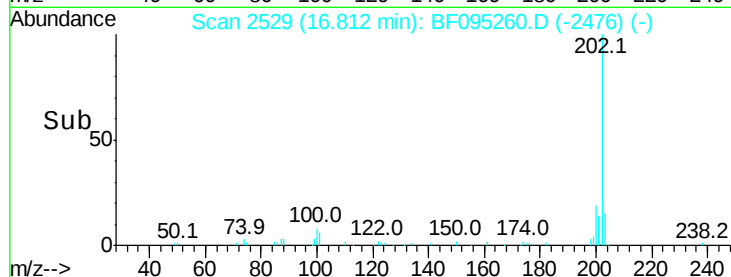
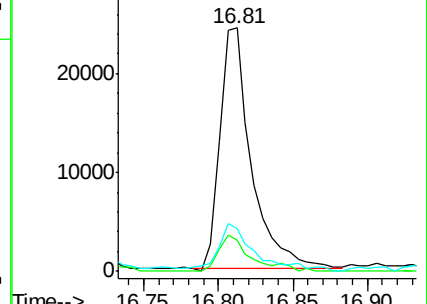
203 17.7 0.0 38.1



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: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

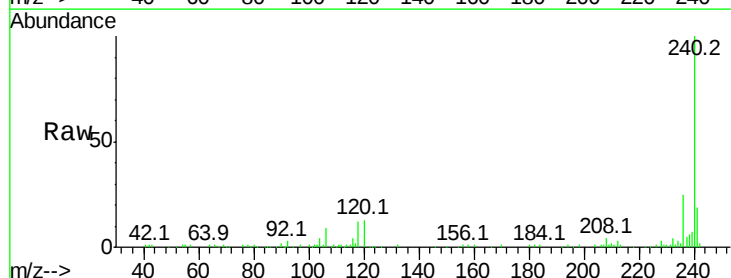
Tgt Ion:240 Resp: 167263

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

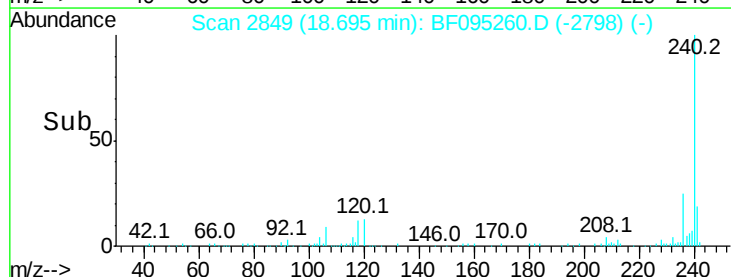
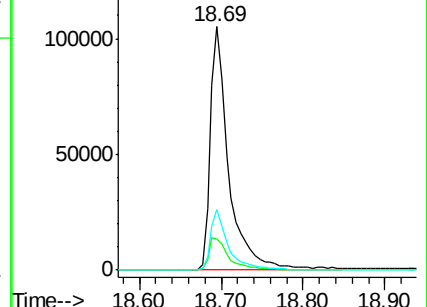
236 24.8 20.5 30.7

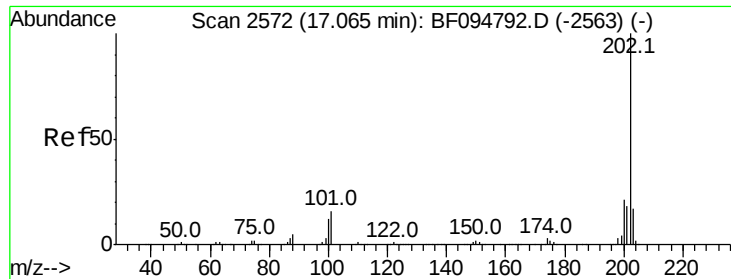


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.85 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESWDL

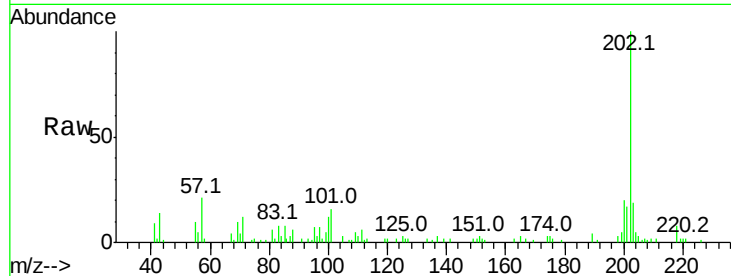
Tot Ion:202 Resp: 35684

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

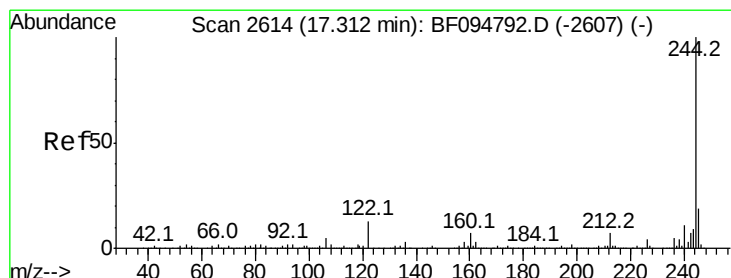
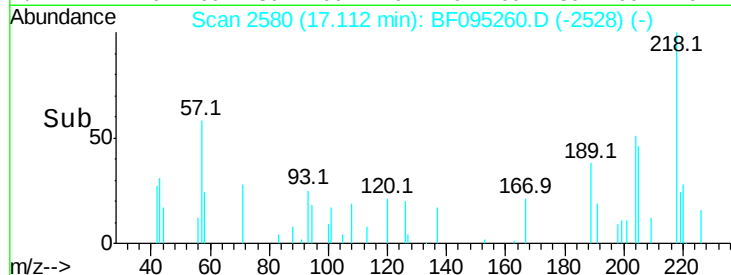
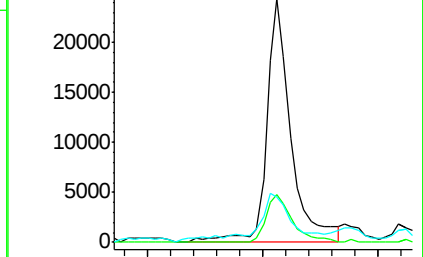
203 18.6 14.4 21.6



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: 23.05 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

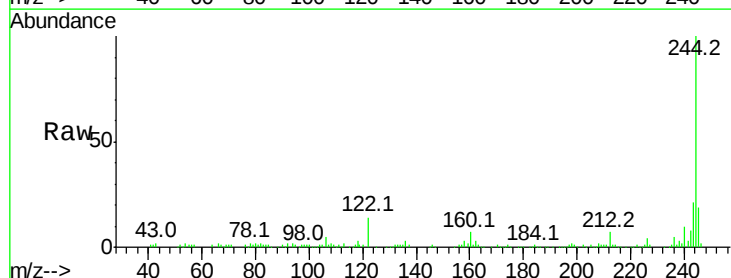
Tgt Ion:244 Resp: 175029

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

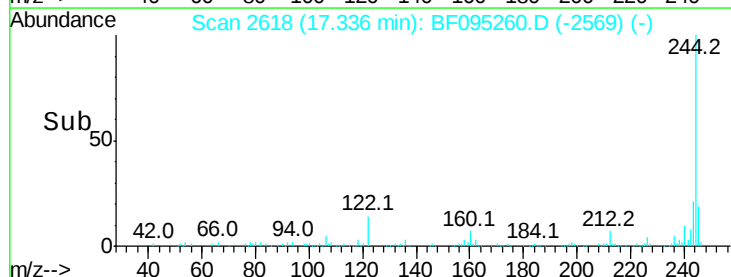
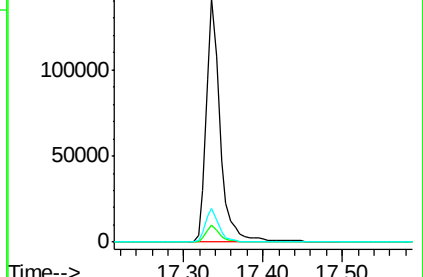
122 13.8 10.3 15.5

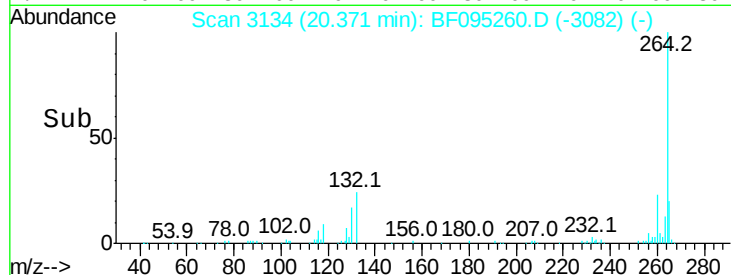
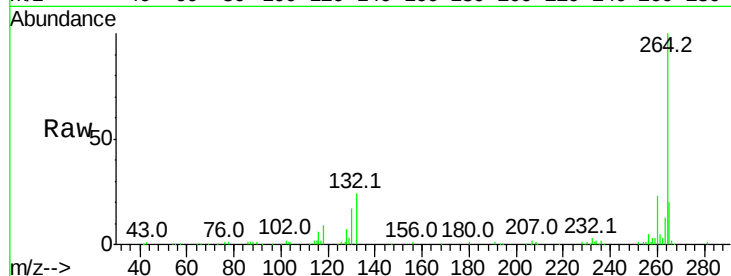
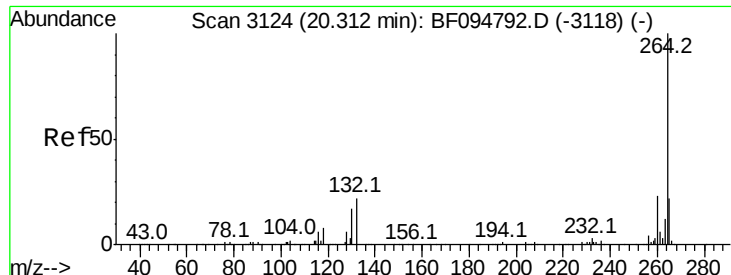


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESWDL

Tot Ion:	264	Resp:	149673
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	20.4	17.2	25.8

