

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
 Data File : BF095069.D
 Acq On : 10 May 2017 22:14
 Operator : SJ/MA
 Sample : I3037-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

Quant Time: May 11 07:57:04 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	7.70	152	90966	20.00	ng	-0.03
21) Naphthalene-d8	9.72	136	372656	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	170655	20.00	ng	-0.03
63) Phenanthrene-d10	14.96	188	271175	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	223437	20.00	ng	-0.02
86) Perylene-d12	20.30	264	203069	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	113259	20.76	ng	0.00
7) Phenol-d6	7.28	99	146918	22.44	ng	0.00
23) Nitrobenzene-d5	8.61	82	82485	13.96	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	30045	21.50	ng	-0.02
44) 2-Fluorobiphenyl	11.49	172	175371	14.79	ng	-0.04
78) Terphenyl-d14	17.28	244	170779	16.83	ng	-0.04

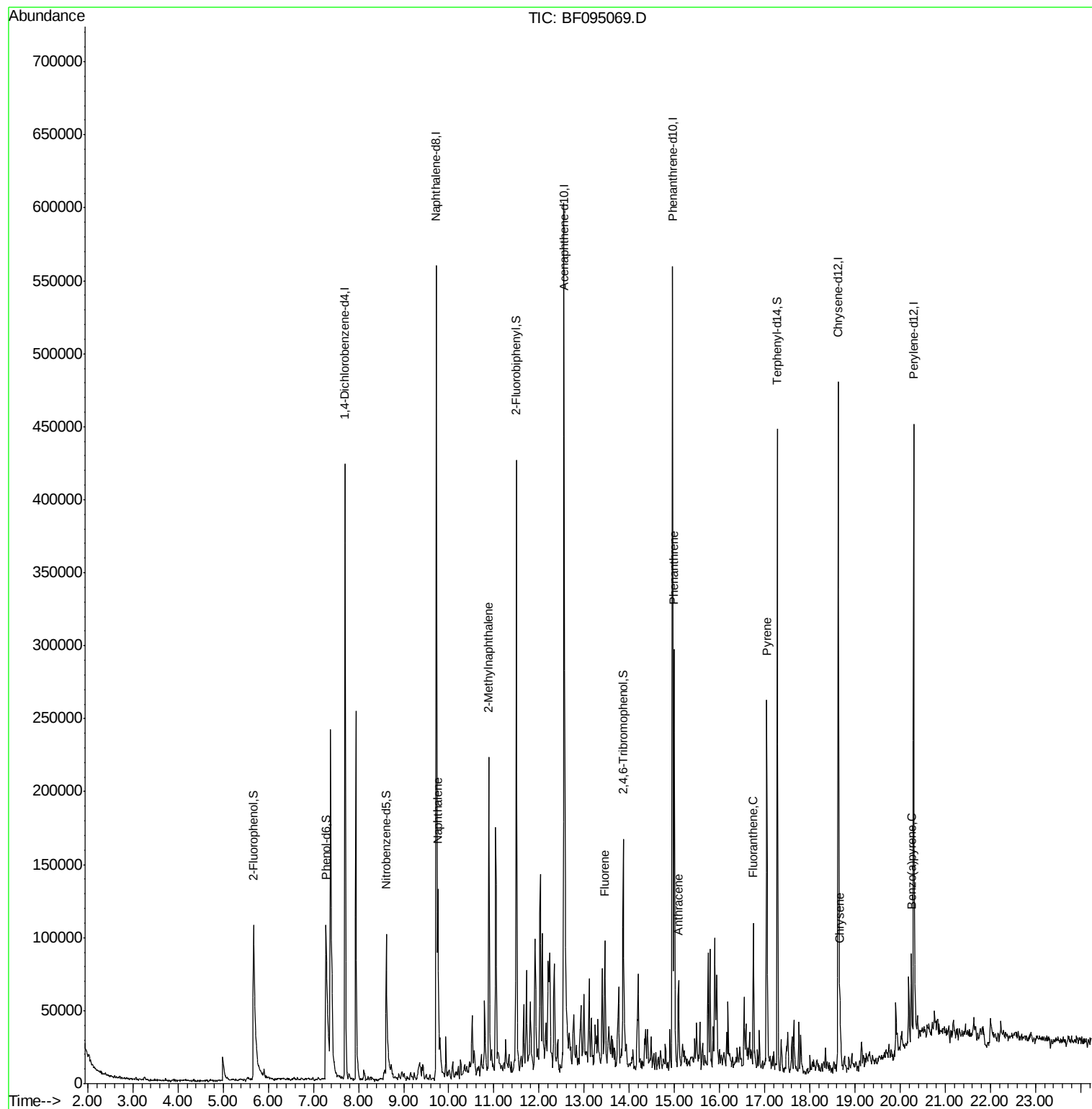
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	9.76	128	82384	4.40	ng	99
37) 2-Methylnaphthalene	10.89	142	88966	7.24	ng	97
57) Fluorene	13.46	166	30844	2.36	ng	# 96
70) Phenanthrene	14.99	178	168161	10.79	ng	97
71) Anthracene	15.09	178	35818	2.25	ng	95
74) Fluoranthene	16.75	202	56515	3.54	ng	98
77) Pyrene	17.05	202	141594	8.47	ng	96
82) Chrysene	18.67	228	26888	2.14	ng	98
89) Benzo(a)pyrene	20.25	252	23604	2.04	ng	96

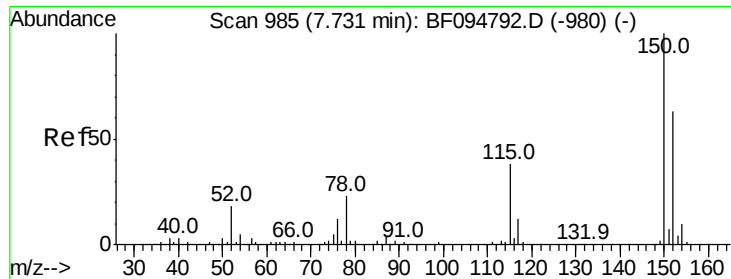
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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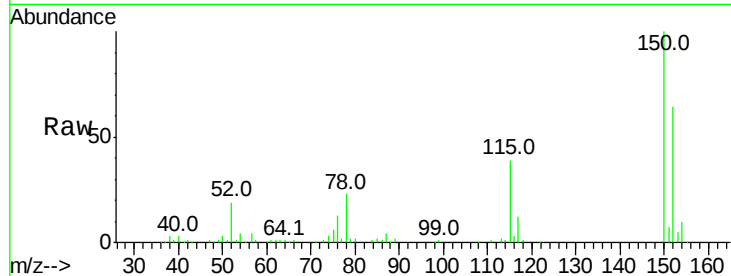


#1

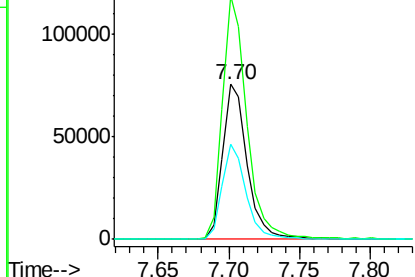
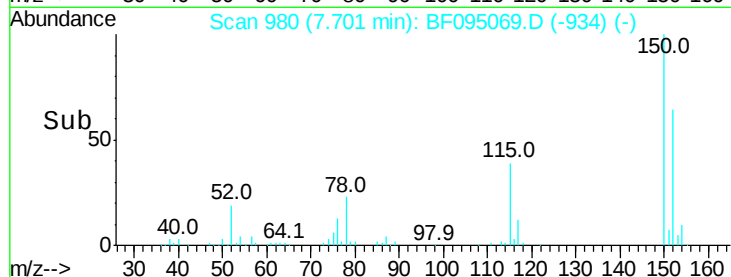
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.70 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Instrument :
BNA_F
ClientSampleId :
HY-SB409B

Tot Ion:152 Resp: 90966
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 61.2 52.2 78.2



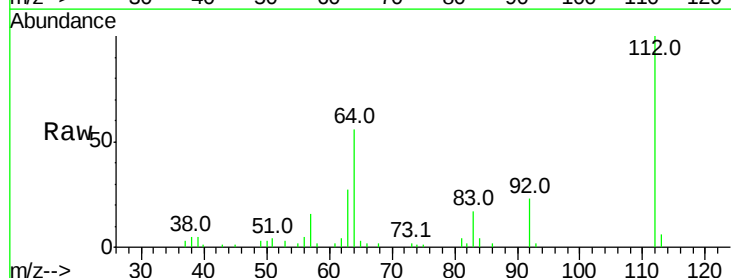
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



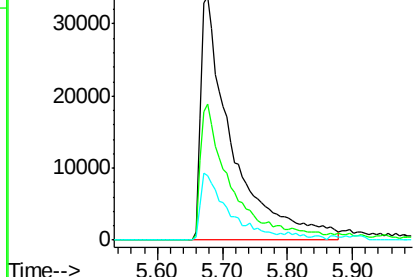
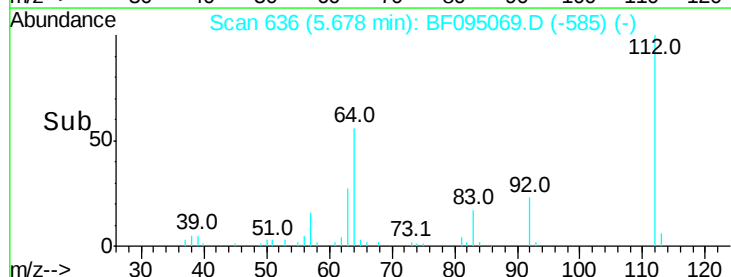
#5

2-Fluorophenol
Concen: 20.76 ng
RT: 5.68 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt Ion:112 Resp: 113259
Ion Ratio Lower Upper
112 100
64 55.7 46.0 69.0
63 26.6 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: 22.44 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

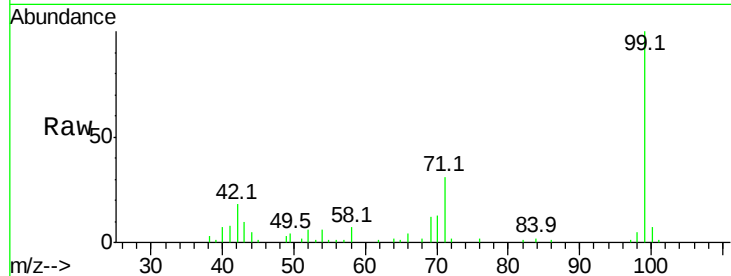
Tot Ion: 99 Resp: 146918

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

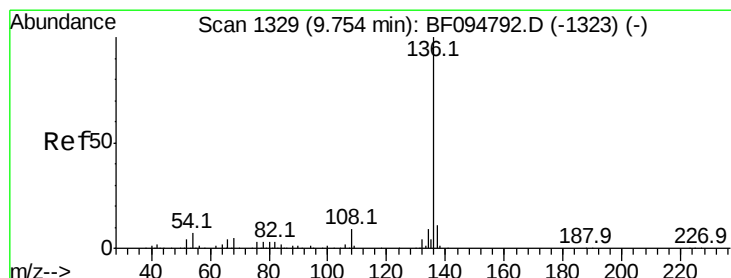
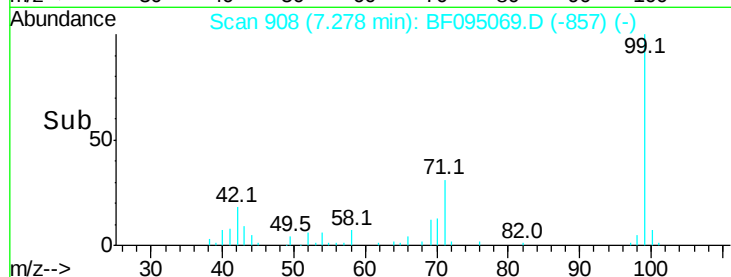
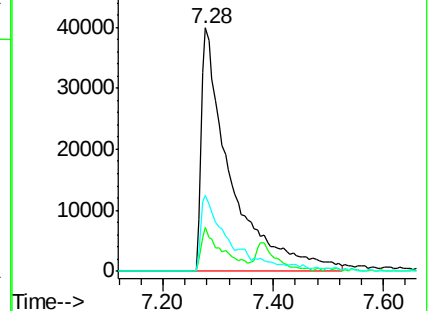
71 31.0 24.5 36.7



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: 9.72 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Tgt Ion: 136 Resp: 372656

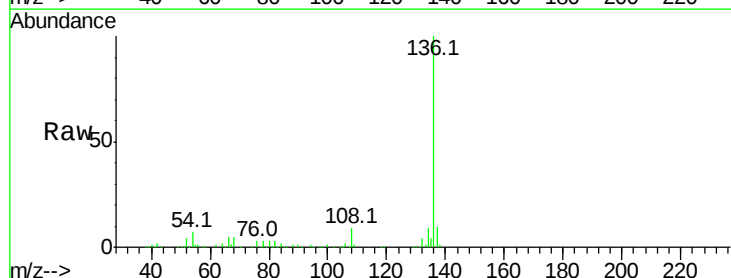
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.0 4.9 7.3

68 5.4 4.1 6.1



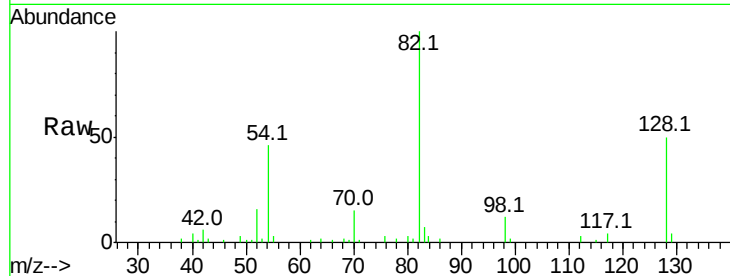
Abundance Ion 136.00 (135.70 to 136.70): E



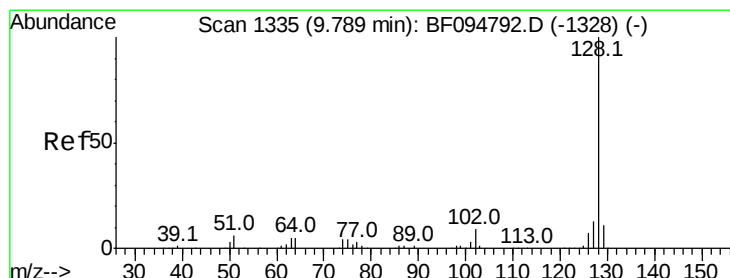
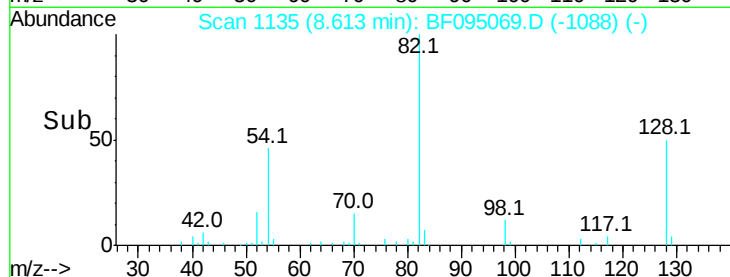
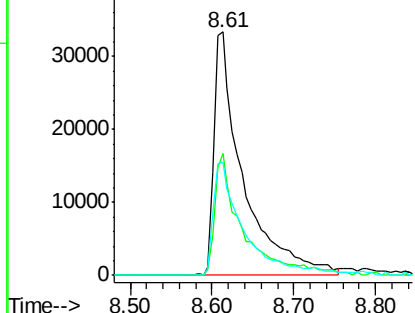
#23
 Nitrobenzene-d5
 Concen: 13.96 ng
 RT: 8.61 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

Tot Ion	82	Resp	82485
Ion Ratio	Lower	Upper	
82	100		
128	50.1	34.0	51.0
54	46.5	42.2	63.2

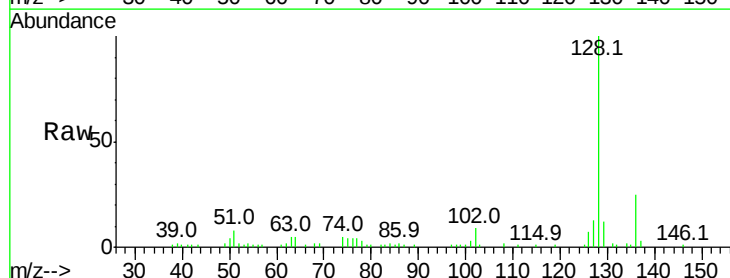


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

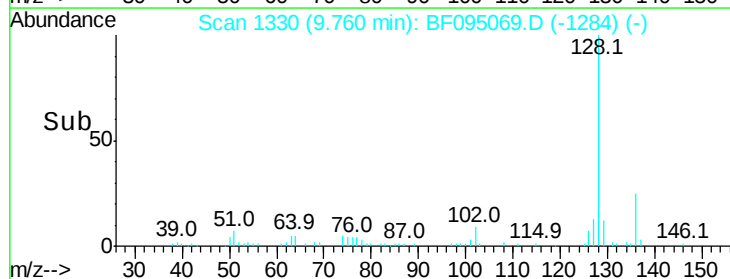
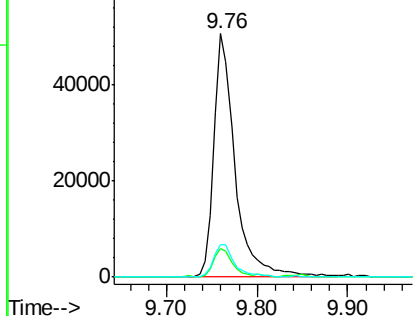


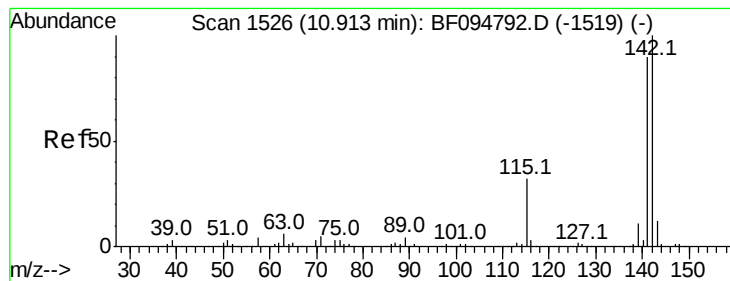
#31
 Naphthalene
 Concen: 4.40 ng
 RT: 9.76 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Tgt Ion	128	Resp	82384
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.0	13.6
127	13.4	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 7.24 ng

RT: 10.89 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

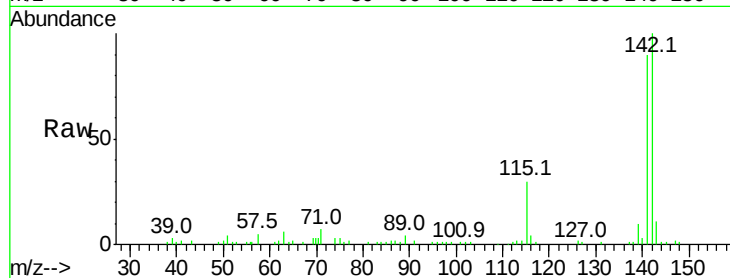
Tot Ion:142 Resp: 88966

Ion Ratio Lower Upper

142 100

141 90.2 71.3 106.9

115 30.4 27.1 40.7



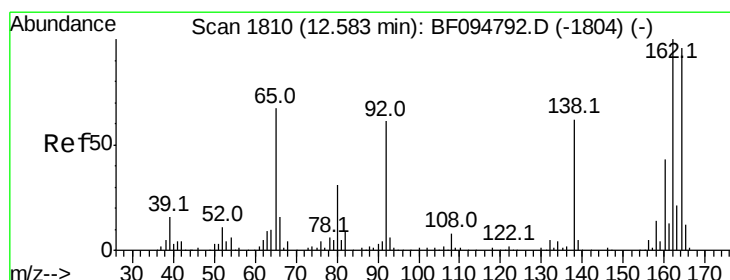
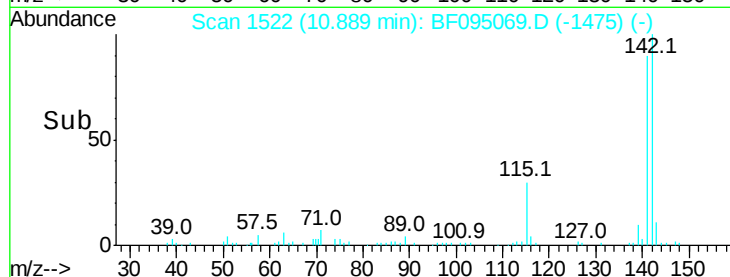
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

10.89

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.55 min Scan# 1805

Delta R.T. -0.03 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

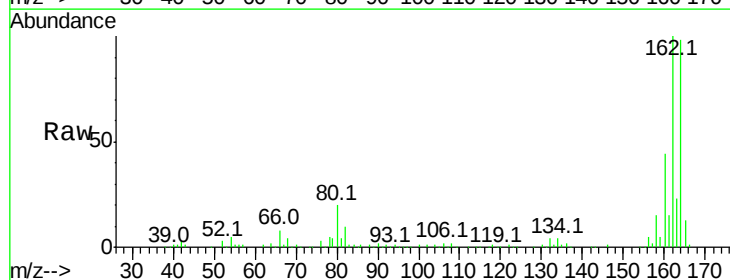
Tgt Ion:164 Resp: 170655

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

160 45.0 36.2 54.2



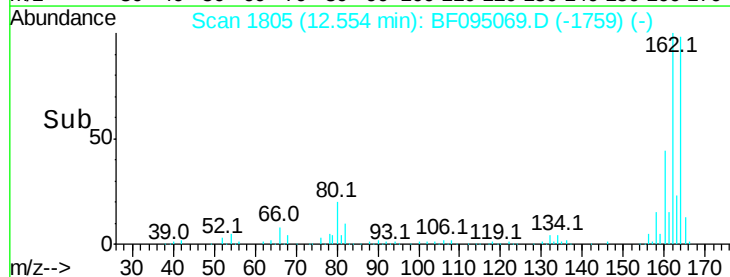
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

12.55

Time-->

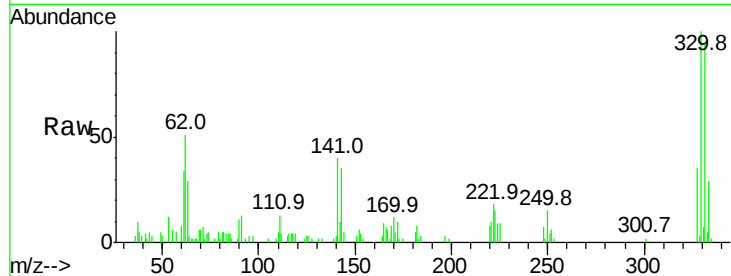




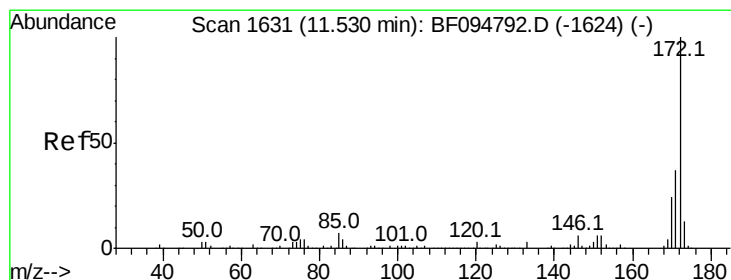
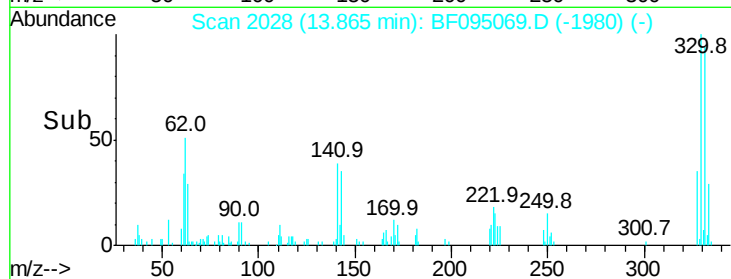
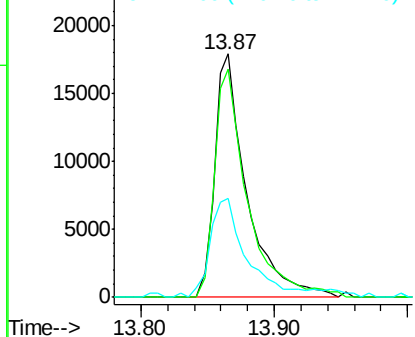
#41
 2,4,6-Tribromophenol
 Concen: 21.50 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

Tot Ion:330 Resp: 30045
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 46.1 31.4 47.2

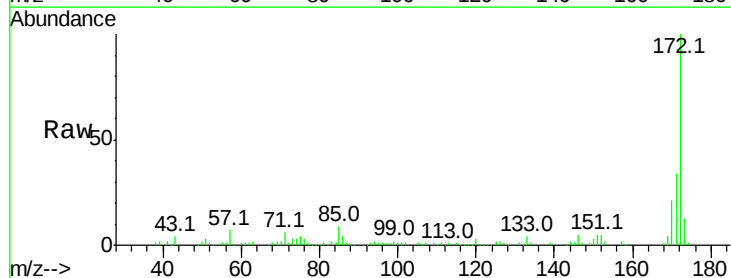


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

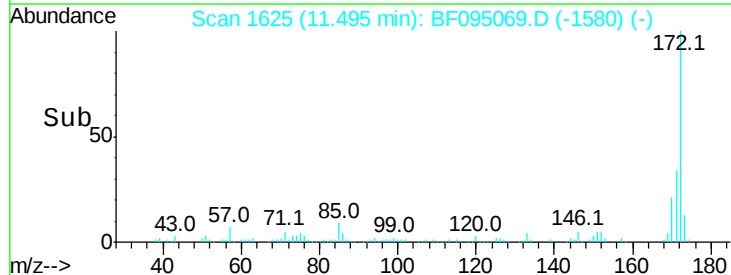
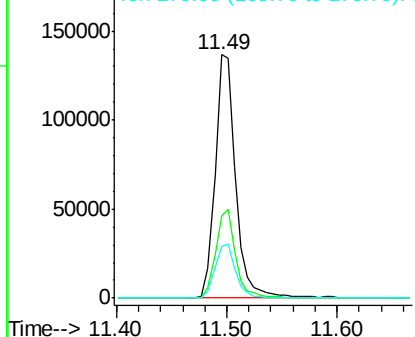


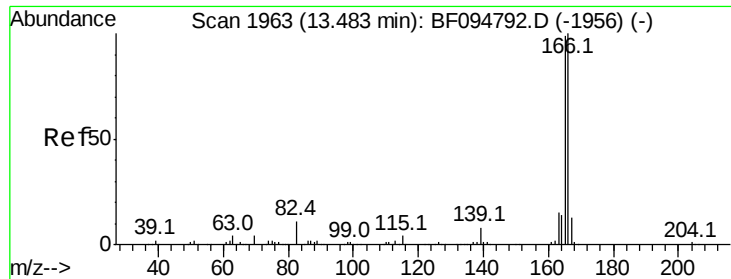
#44
 2-Fluorobiphenyl
 Concen: 14.79 ng
 RT: 11.49 min Scan# 1625
 Delta R.T. -0.04 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Tgt Ion:172 Resp: 175371
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 21.3 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





#57

Fluorene

Concen: 2.36 ng

RT: 13.46 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

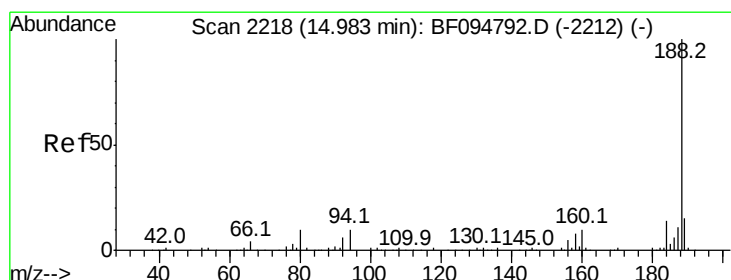
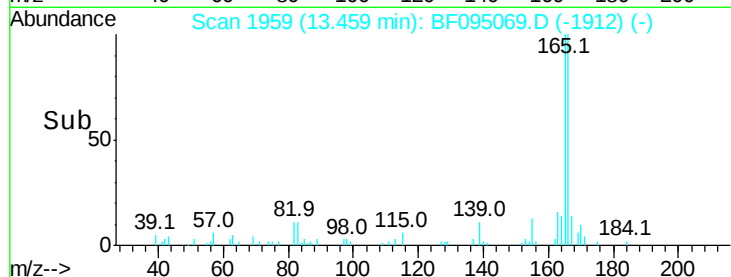
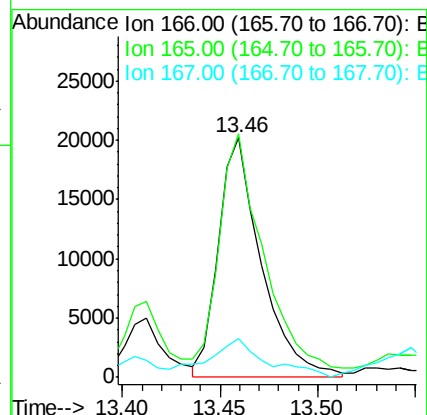
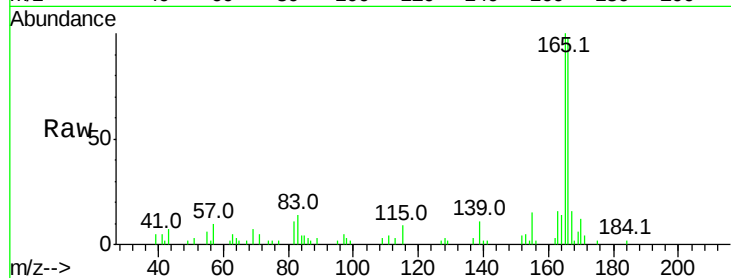
Tot Ion:166 Resp: 30844

Ion Ratio Lower Upper

166 100

165 101.8 78.8 118.2

167 16.5 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.96 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

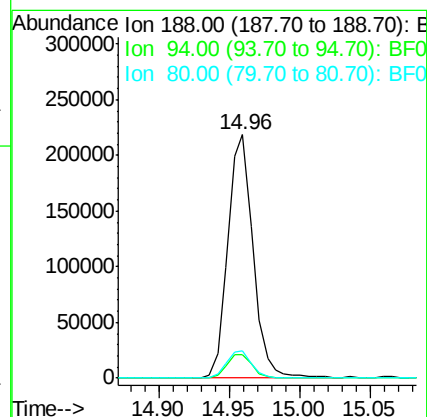
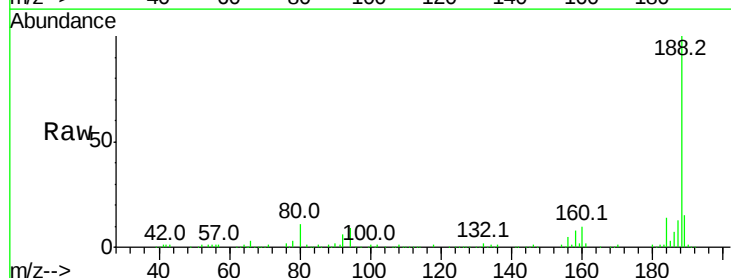
Tgt Ion:188 Resp: 271175

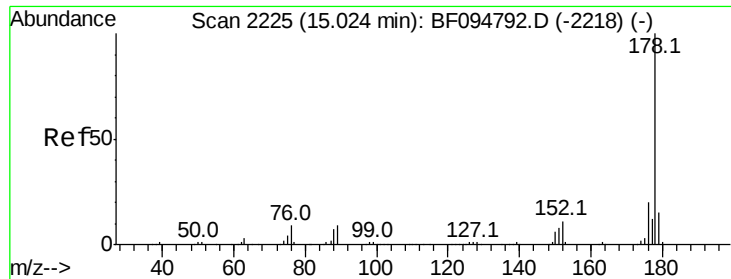
Ion Ratio Lower Upper

188 100

94 9.4 9.4 14.2#

80 11.1 10.2 15.2

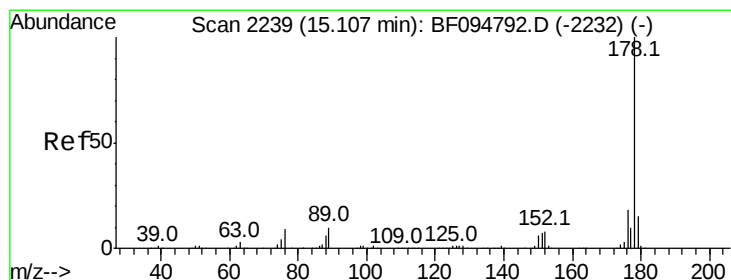
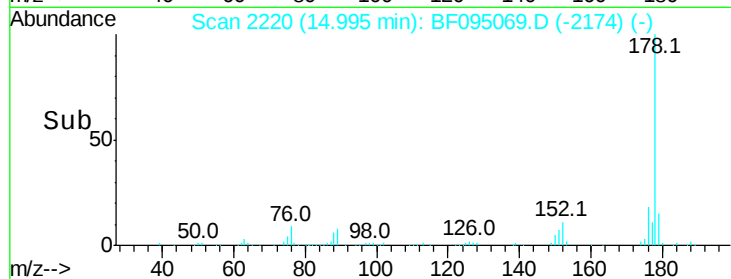
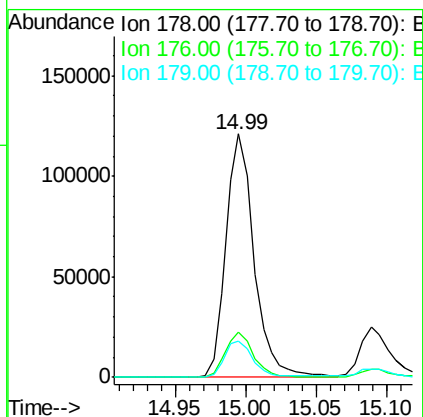
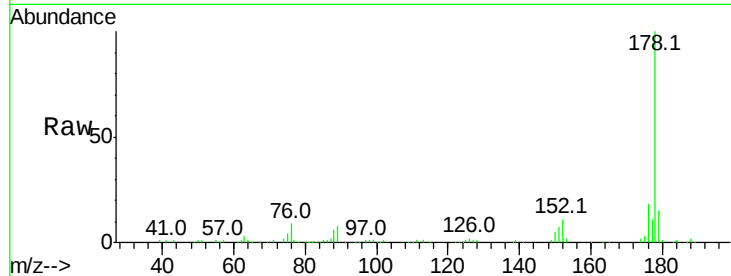




#70
Phenanthrene
Concen: 10.79 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

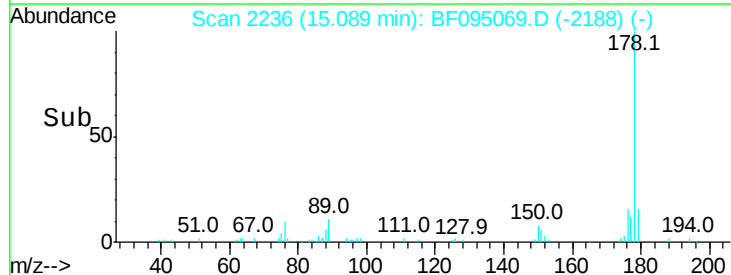
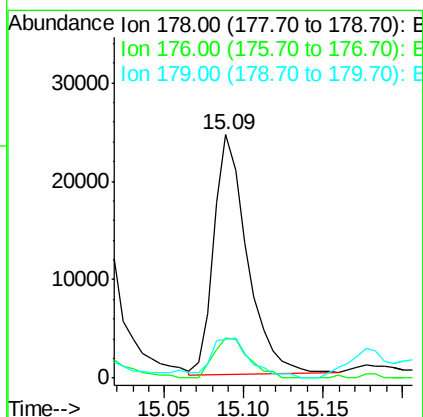
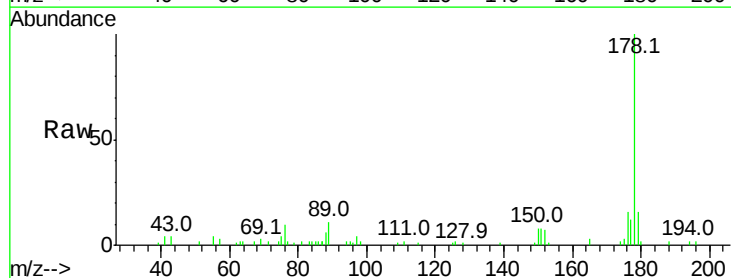
Instrument :
BNA_F
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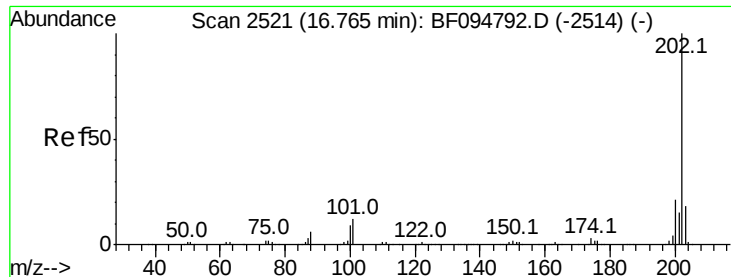
Tot Ion:178 Resp: 168161
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.8 12.6 19.0



#71
Anthracene
Concen: 2.25 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt Ion:178 Resp: 35818
Ion Ratio Lower Upper
178 100
176 16.3 15.8 23.8
179 16.1 12.7 19.1

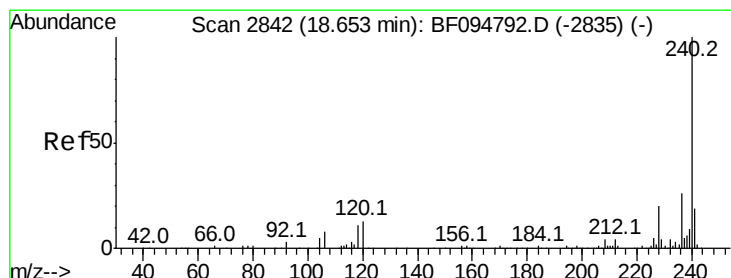
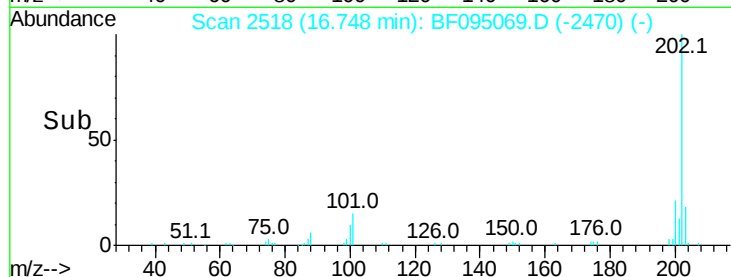
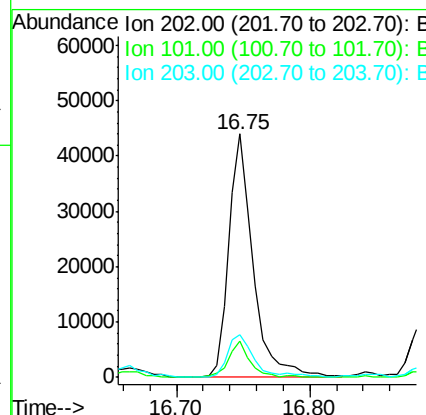
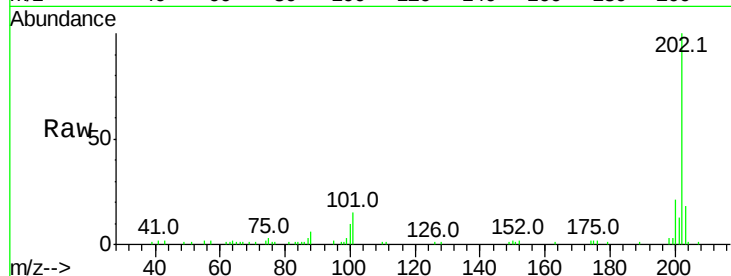




#74
 Fluoranthene
 Concen: 3.54 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

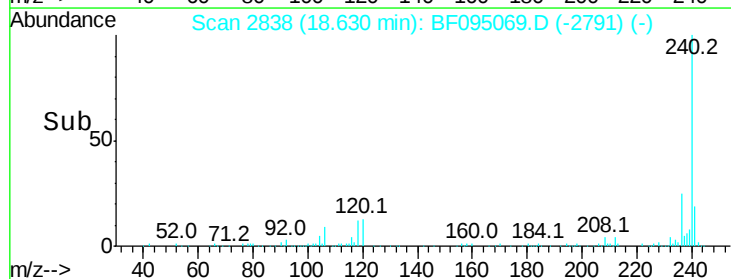
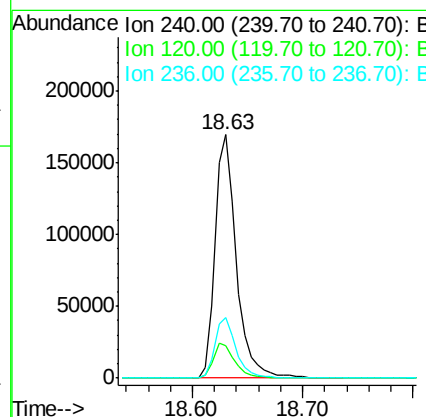
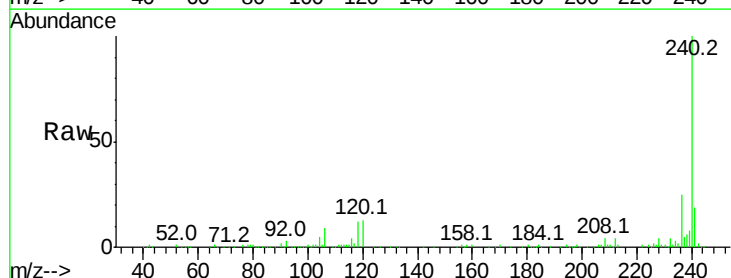
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

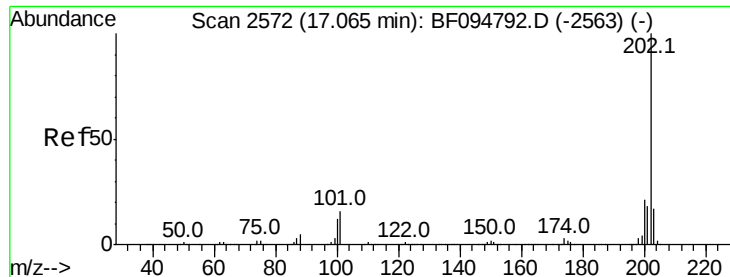
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 8.47 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

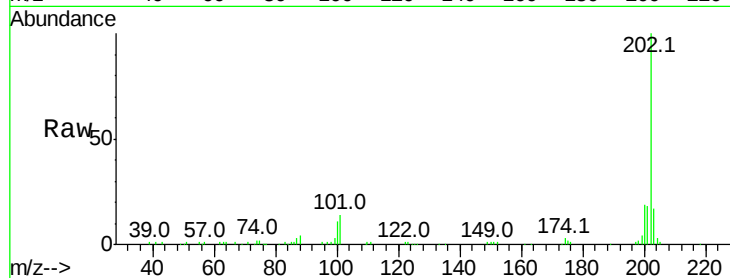
Tot Ion:202 Resp: 141594

Ion Ratio Lower Upper

202 100

200 19.0 17.6 26.4

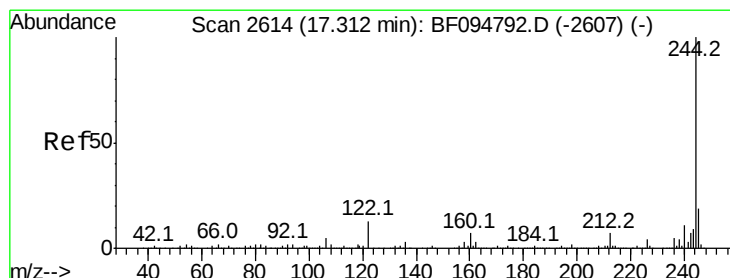
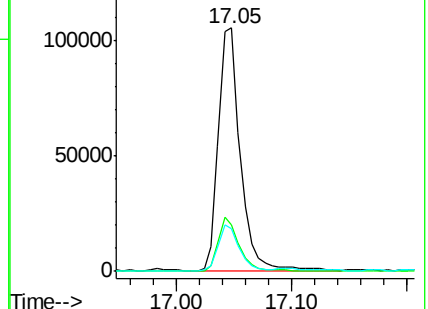
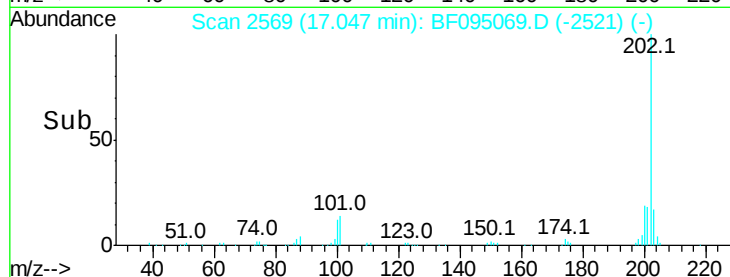
203 17.4 14.4 21.6



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: 16.83 ng

RT: 17.28 min Scan# 2608

Delta R.T. -0.04 min

Lab File: BF095069.D

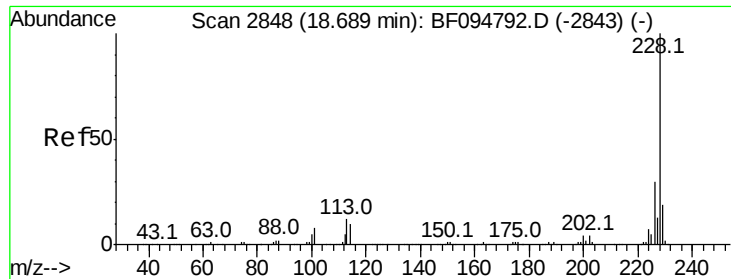
Acq: 10 May 2017 22:14

Tgt Ion:244 Resp: 170779

Ion Ratio Lower Upper

244 100

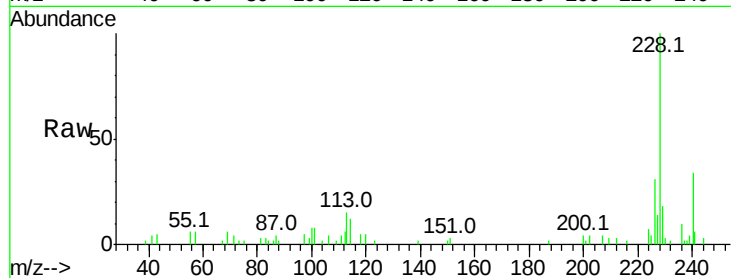
212 6.6 6.0 9.0



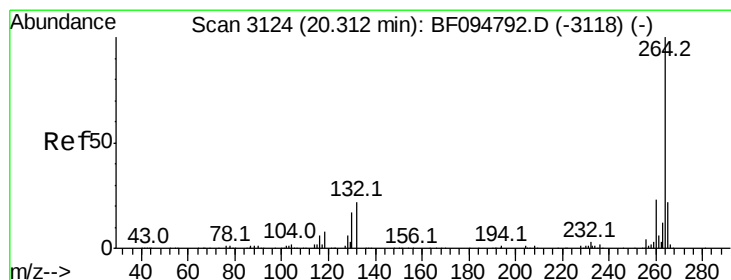
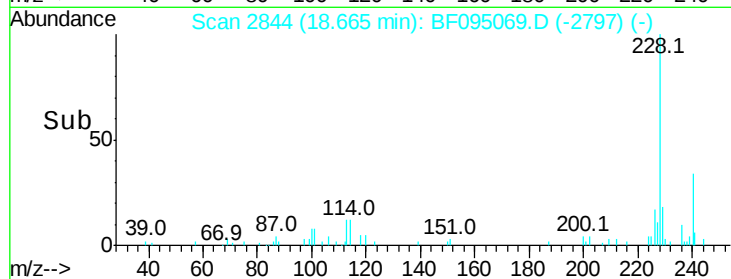
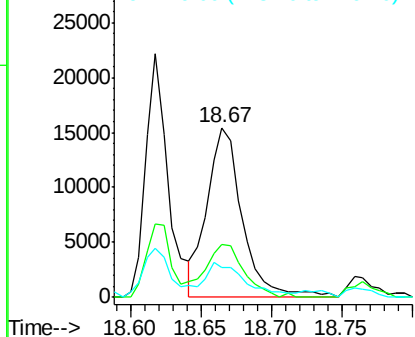
#82
Chrysene
Concen: 2.14 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Instrument :
BNA_F
ClientSampleId :
HY-SB409B

Tot Ion:228 Resp: 26888
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 17.7 15.8 23.6

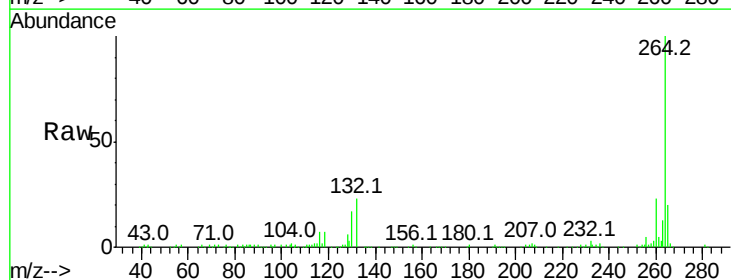


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

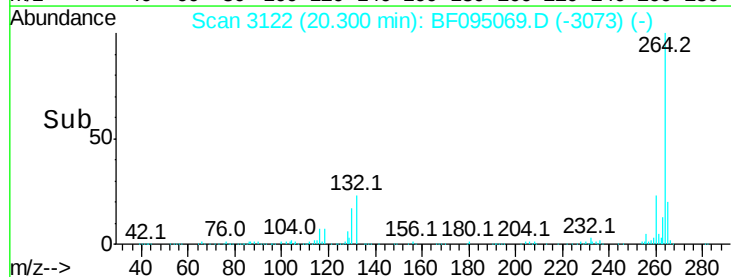
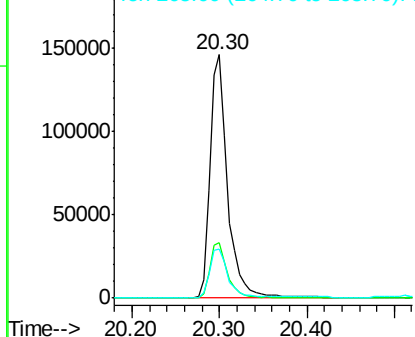


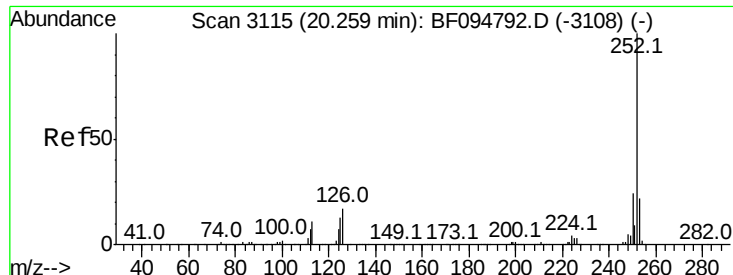
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt Ion:264 Resp: 203069
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 20.0 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





#89

Benzo(a)pyrene

Concen: 2.04 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

Tot Ion:252 Resp: 23604

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 15.7 11.0 16.4

