

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 07:14:32 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

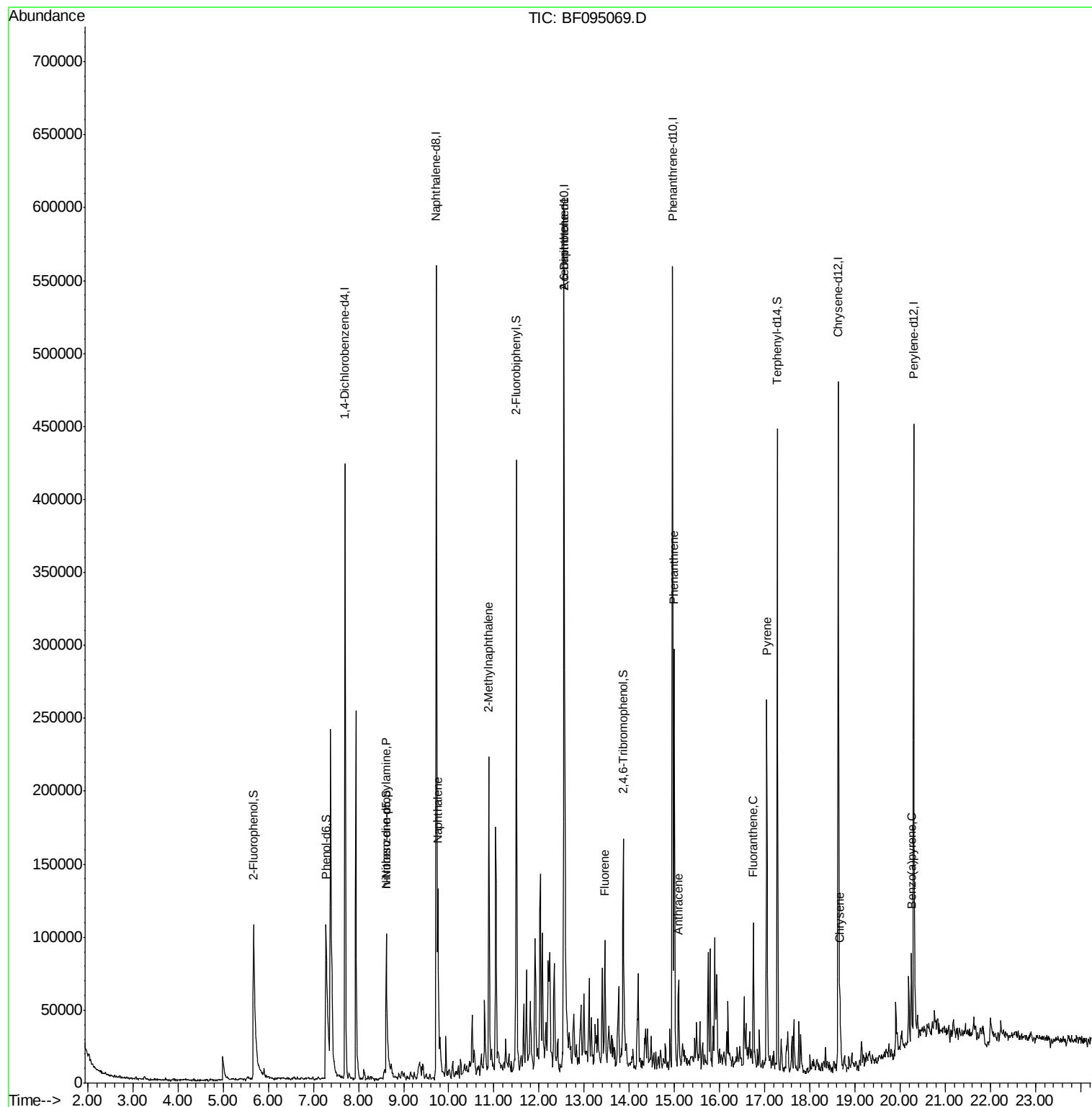
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	90966	20.00	ng	-0.03
21) Naphthalene-d8	9.72	136	372656	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	170655	20.00	ng	-0.03
63) Phenanthrene-d10	14.96	188	271175	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	223437	20.00	ng	-0.02
86) Perylene-d12	20.30	264	203069	20.00	ng	-0.01
System Monitoring Compounds						
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						
19) n-Nitroso-di-n-propylamine	8.61	70	10681	2.41	ng	Qvalue # 73
31) Naphthalene	9.76	128	82384	4.40	ng	99
37) 2-Methylnaphthalene	10.89	142	88966	7.24	ng	97
50) 2,6-Dinitrotoluene	12.55	165	17788	6.22	ng	# 33
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

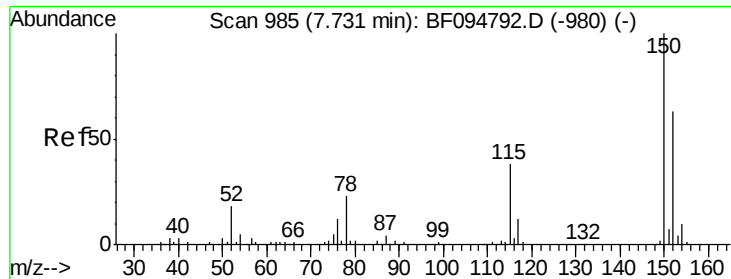
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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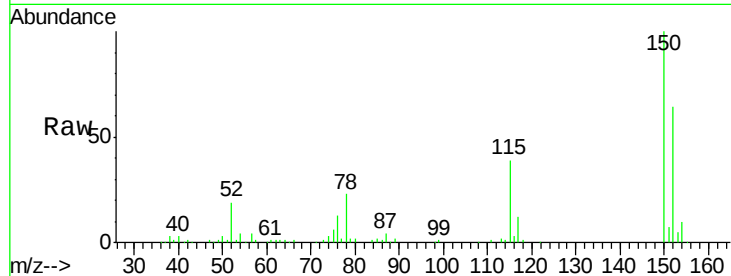


#1

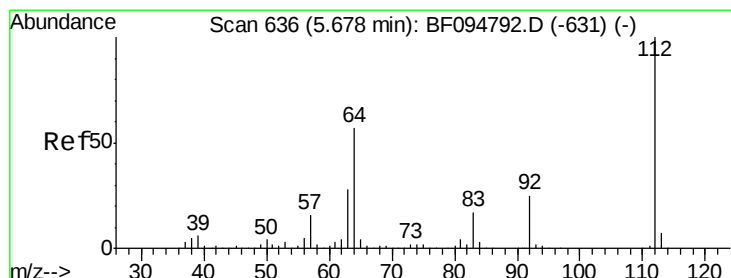
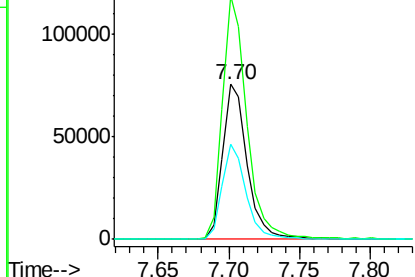
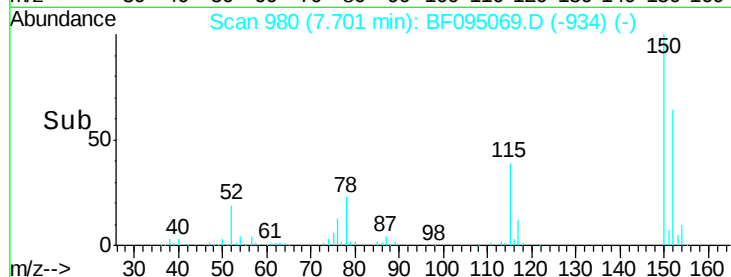
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.70 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

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



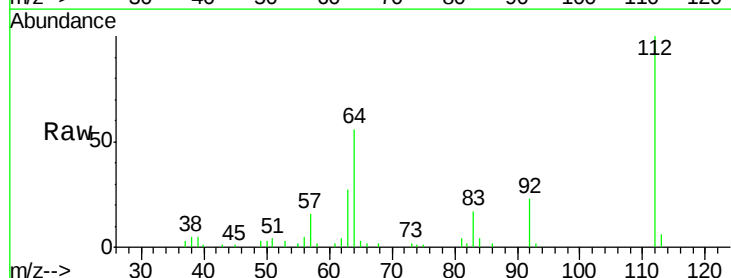
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



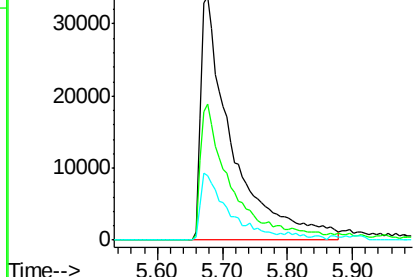
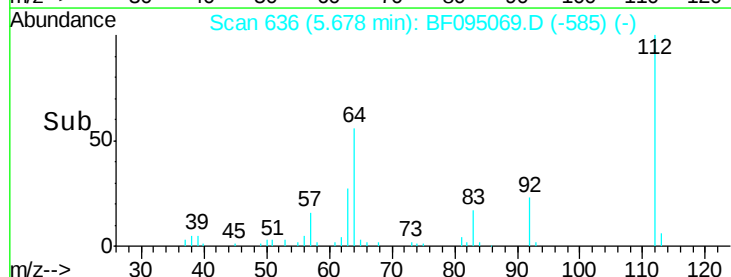
#5

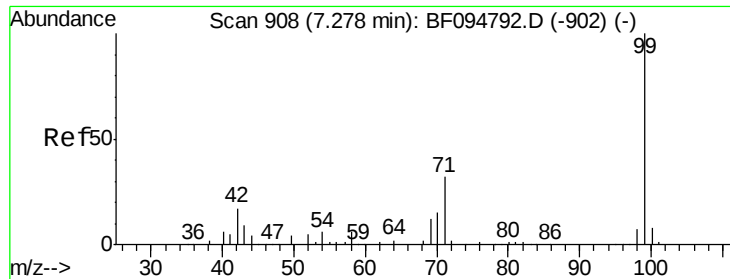
2-Fluorophenol
 Concen: 20.76 ng
 RT: 5.68 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

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

ClientSampled :

HY-SB409B

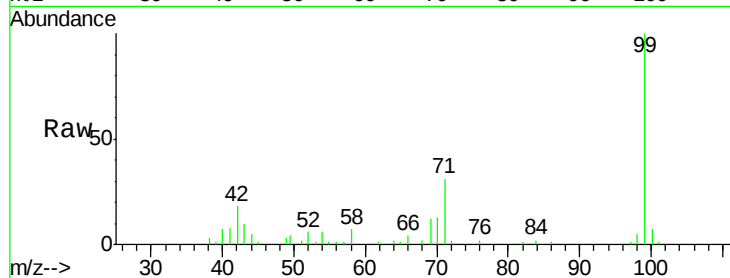
Tgt Ion: 99 Resp: 146918

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

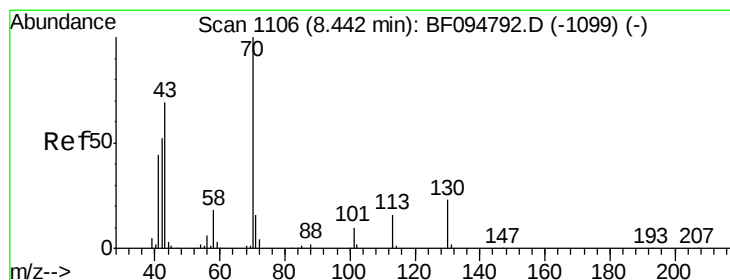
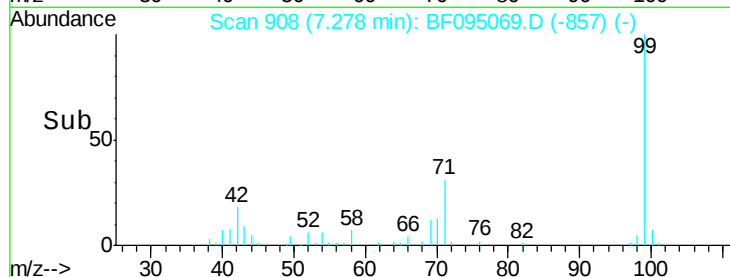
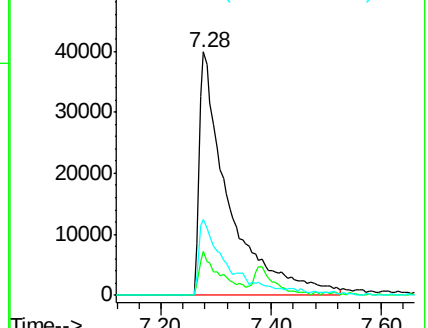
71 31.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.41 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF095069.D

Acq: 10 May 2017 22:14

Tgt Ion: 70 Resp: 10681

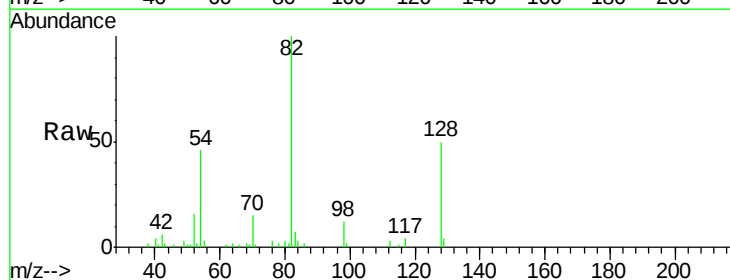
Ion Ratio Lower Upper

70 100

42 42.9 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

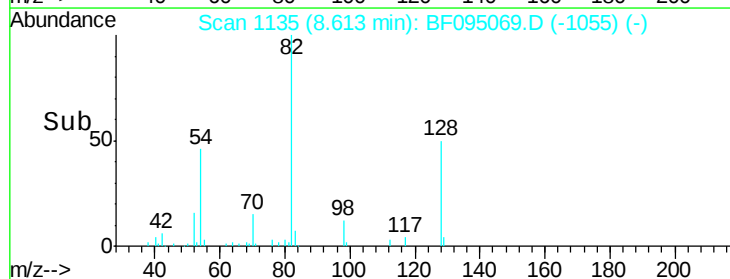
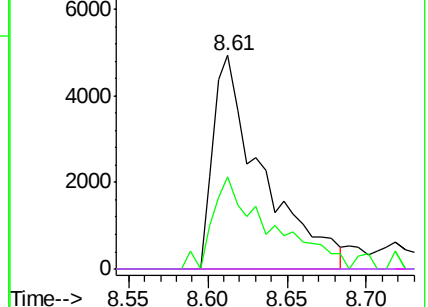


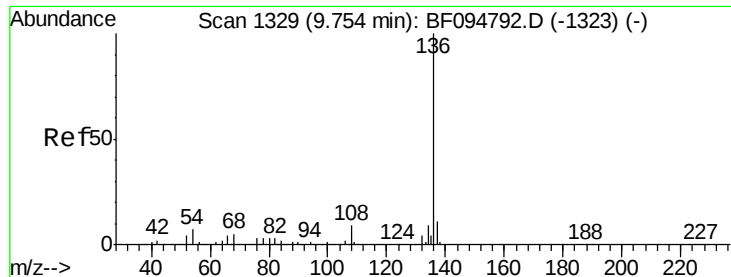
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

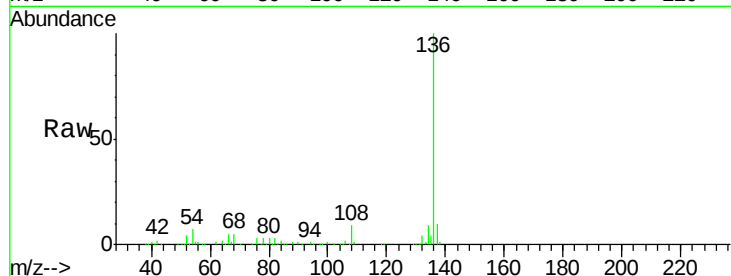




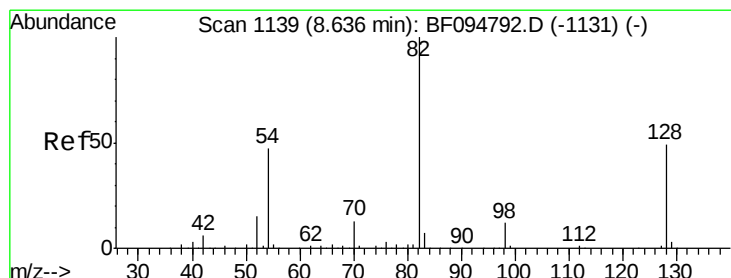
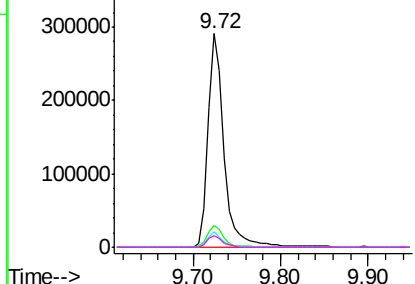
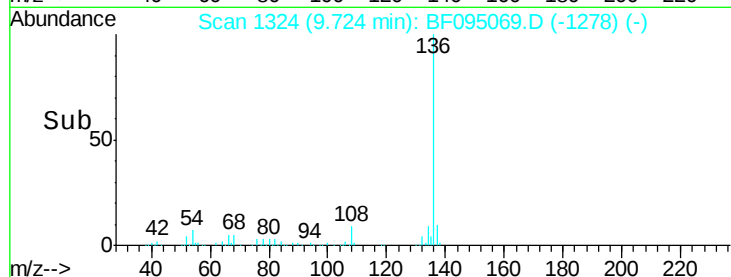
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.72 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Instrument :
BNA_F
ClientSampleId :
HY-SB409B

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

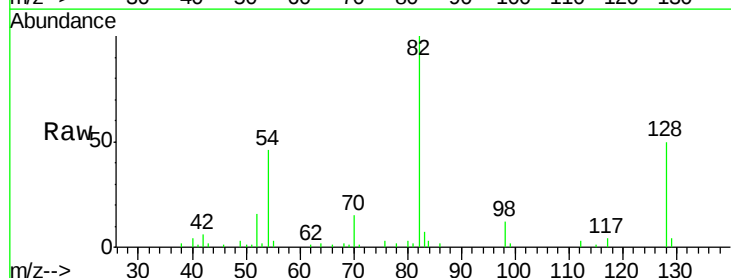


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

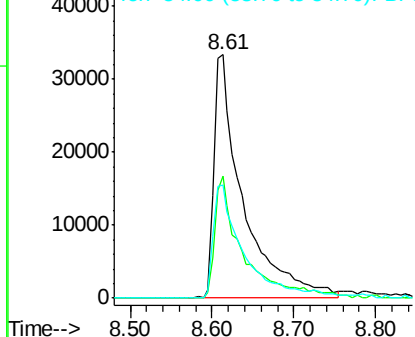
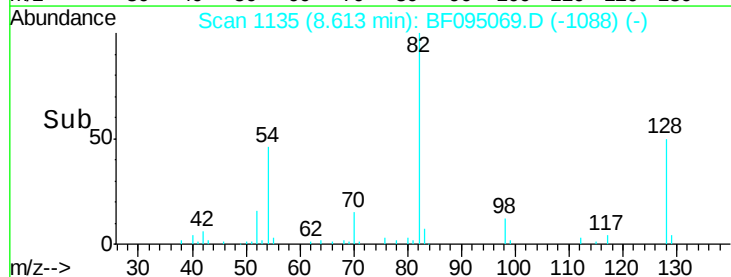


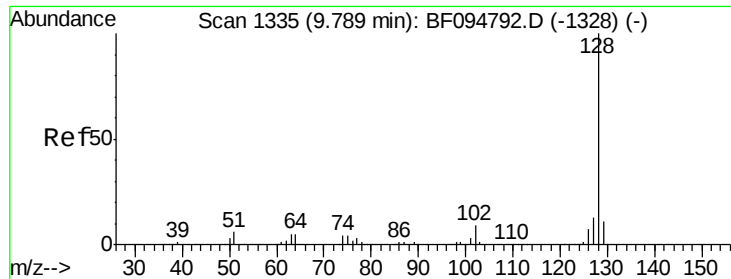
#23
Nitrobenzene-d5
Concen: 13.96 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt 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

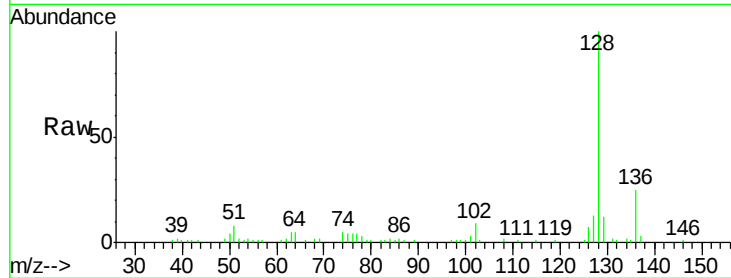




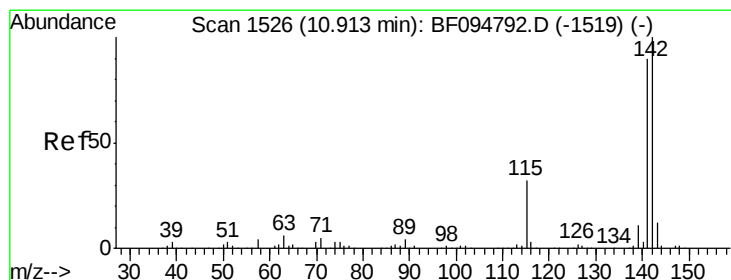
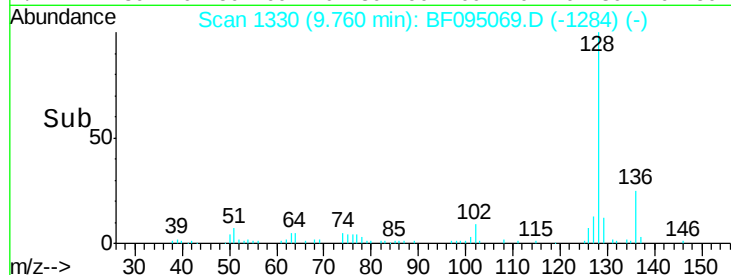
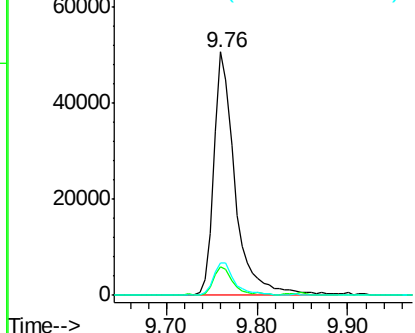
#31
Naphthalene
Concen: 4.40 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Instrument :
BNA_F
ClientSampleId :
HY-SB409B

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

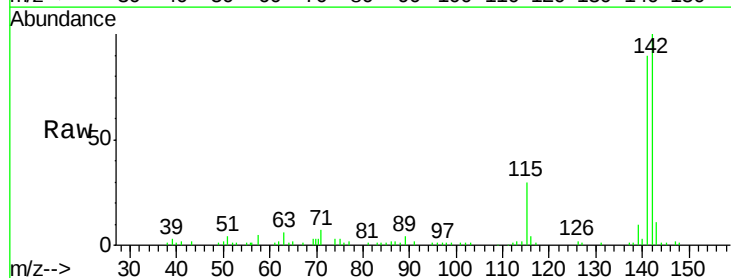


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

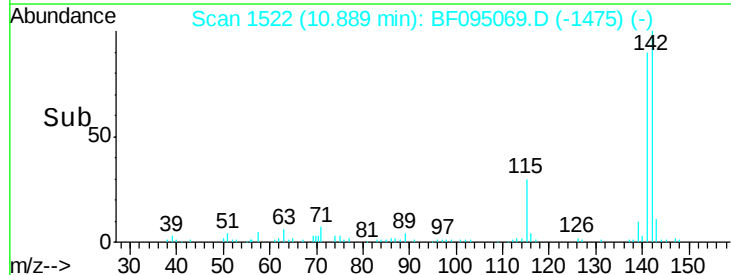
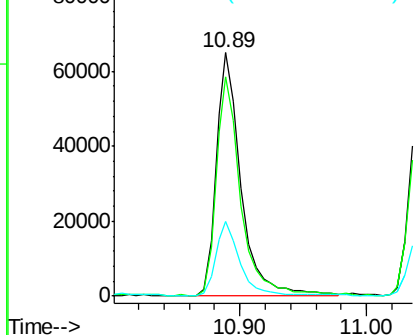


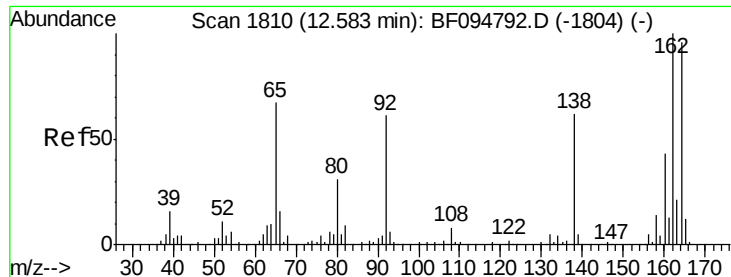
#37
2-Methylnaphthalene
Concen: 7.24 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt 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





#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

Instrument :

BNA_F

ClientSampleId :

HY-SB409B

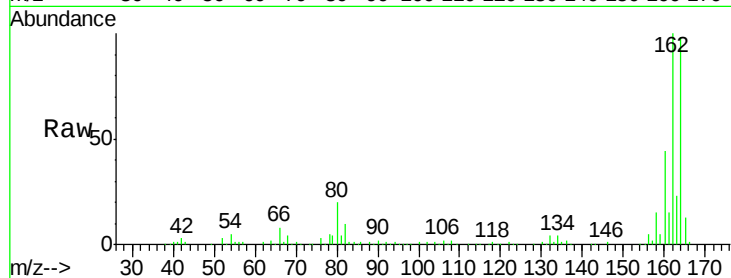
Tgt Ion:164 Resp: 170655

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

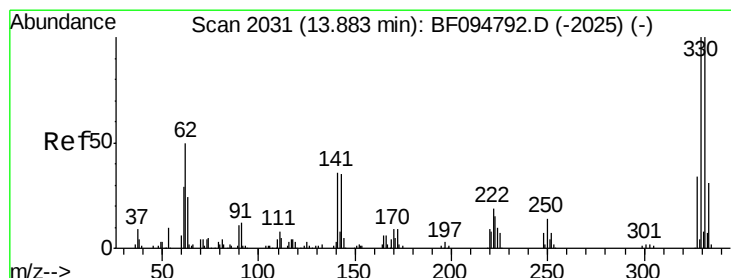
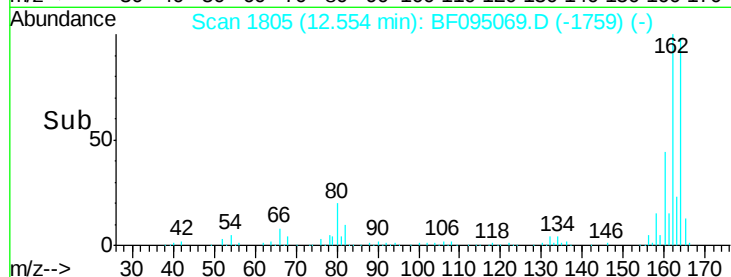
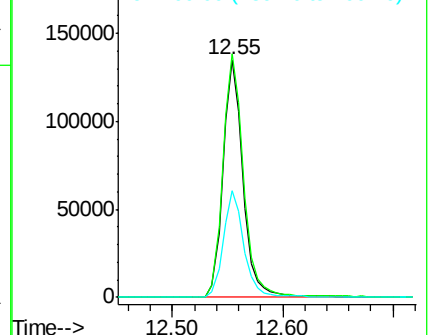
160 45.0 36.2 54.2



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



#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

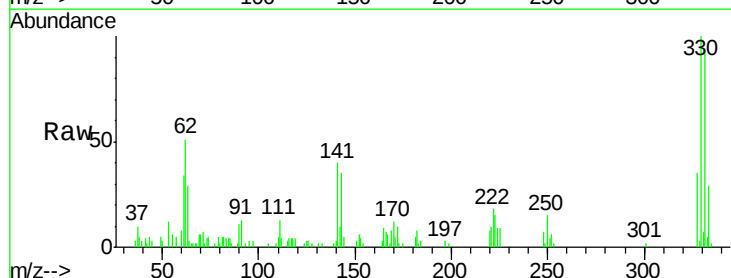
Tgt Ion:330 Resp: 30045

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

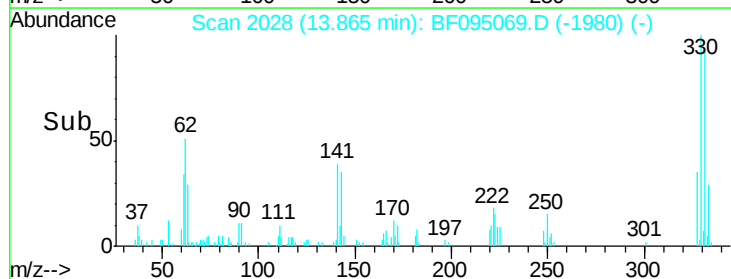
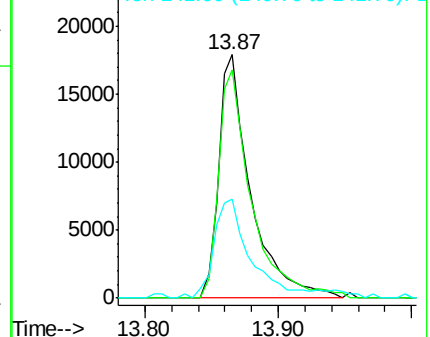
141 46.1 31.4 47.2

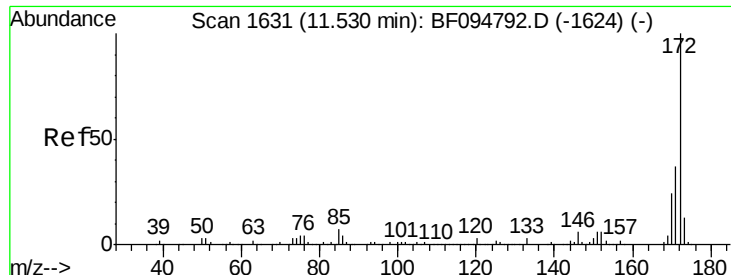


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

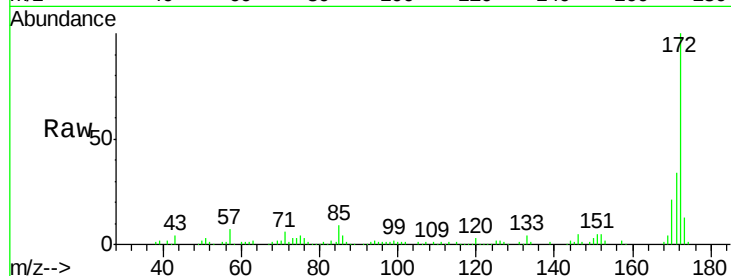




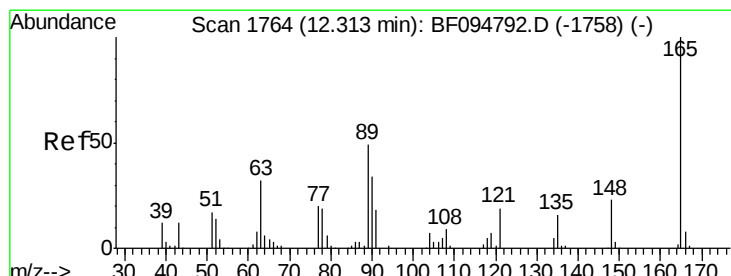
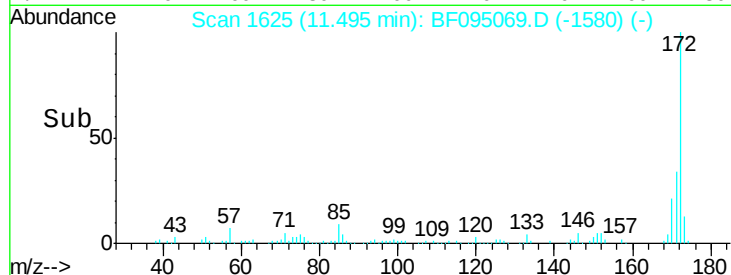
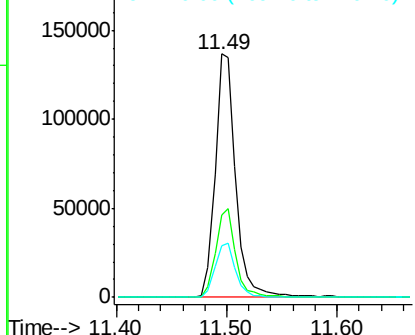
#44
2-Fluorobiphenyl
Concen: 14.79 ng
RT: 11.49 min Scan# 1625
Delta R.T. -0.04 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Instrument :
BNA_F
ClientSampleId :
HY-SB409B

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

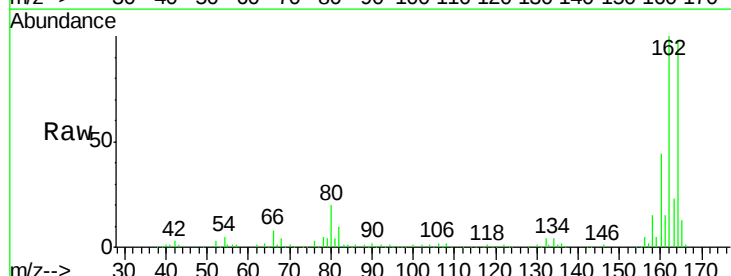


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

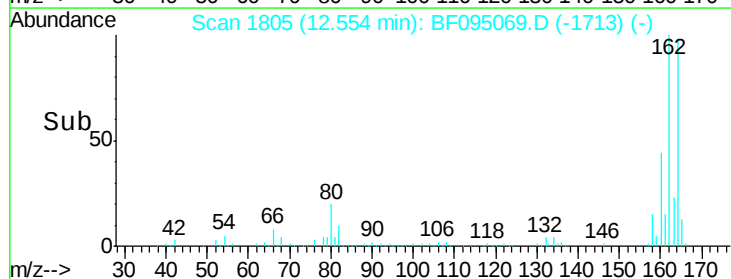
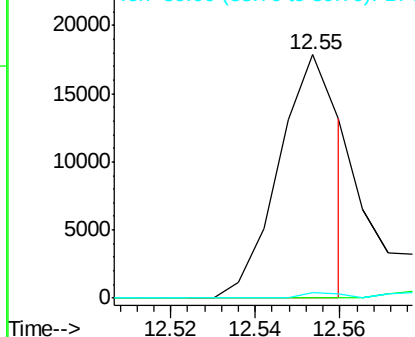


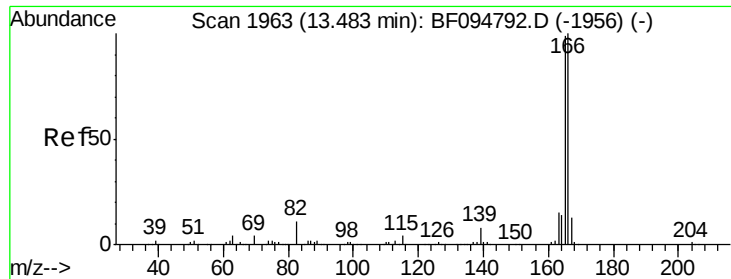
#50
2,6-Dinitrotoluene
Concen: 6.22 ng
RT: 12.55 min Scan# 1805
Delta R.T. 0.24 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

Tgt Ion:165 Resp: 17788
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 2.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#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

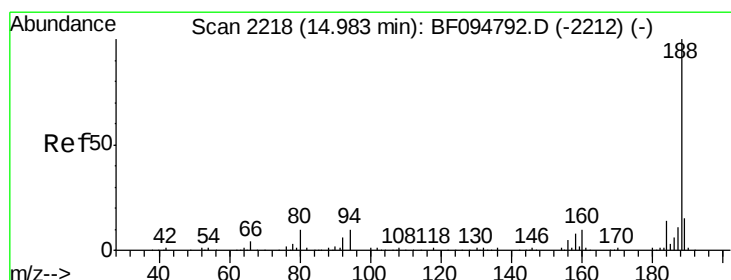
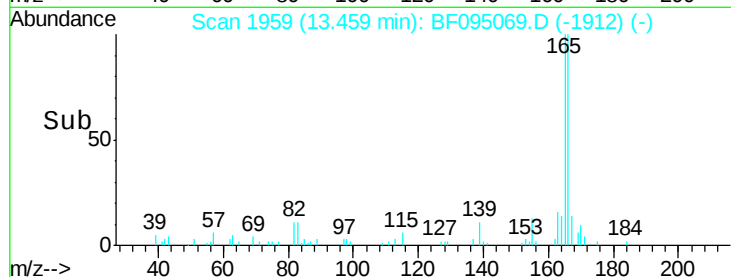
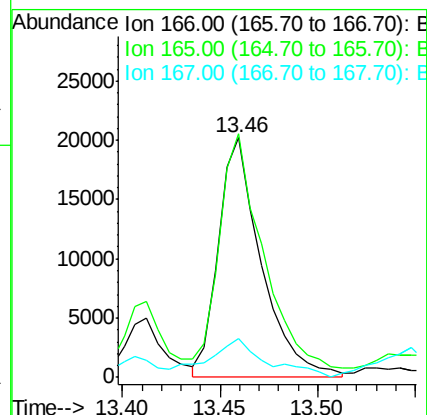
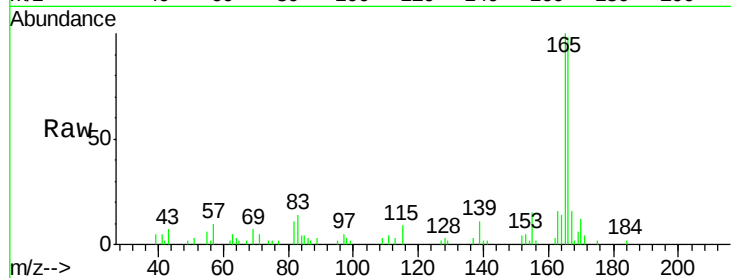
Tgt Ion:166 Resp: 30844

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

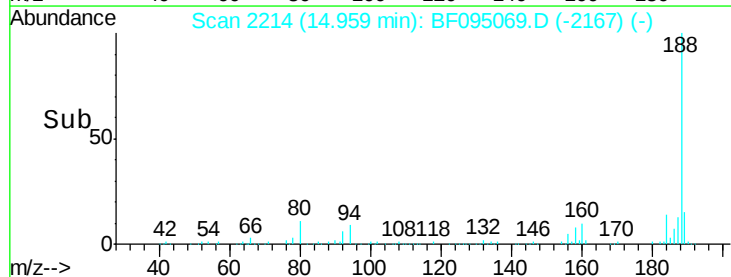
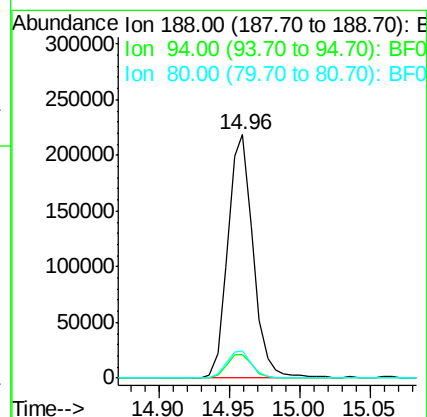
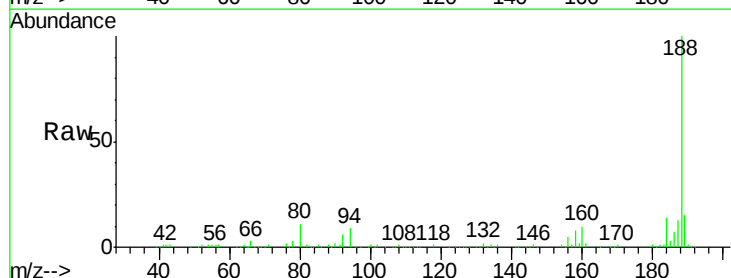
Tgt Ion:188 Resp: 271175

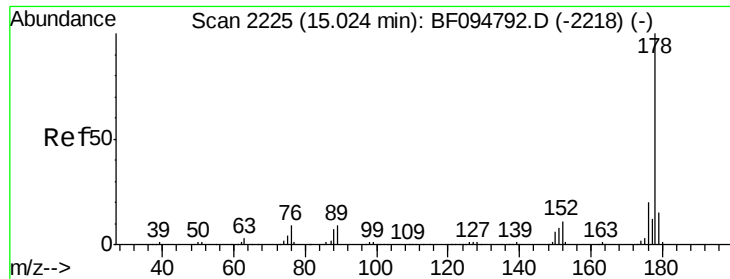
Ion Ratio Lower Upper

188 100

94 9.4 9.4 14.2#

80 11.1 10.2 15.2

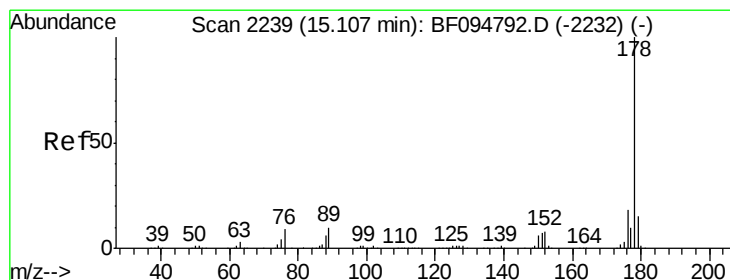
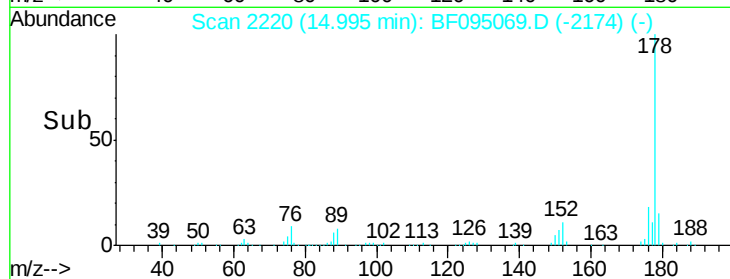
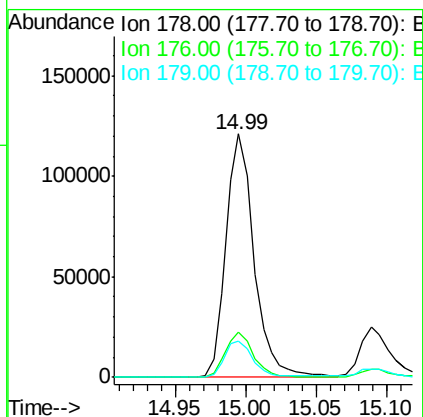
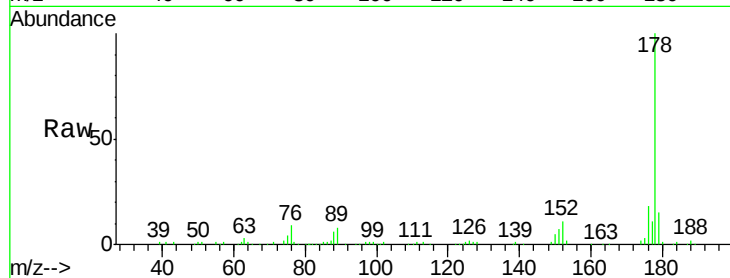




#70
Phenanthrene
Concen: 10.79 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095069.D
Acq: 10 May 2017 22:14

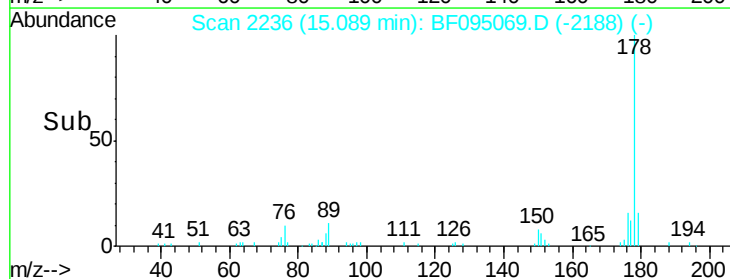
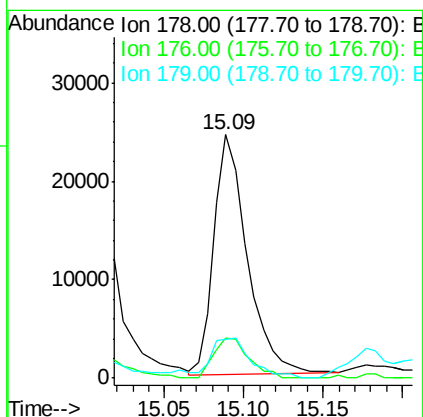
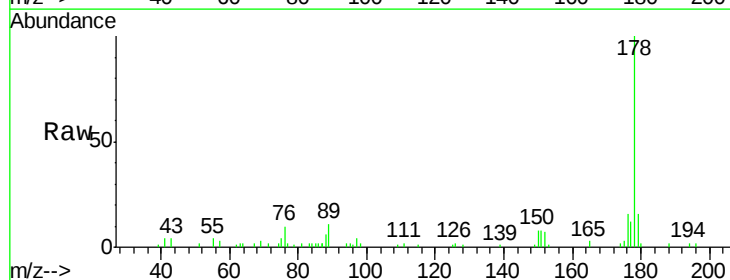
Instrument :
BNA_F
ClientSampleId :
HY-SB409B

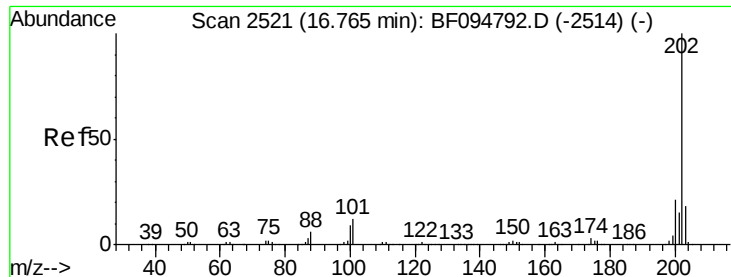
Tgt Ion:178 Resp: 168161
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.8 12.6 19.0



#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

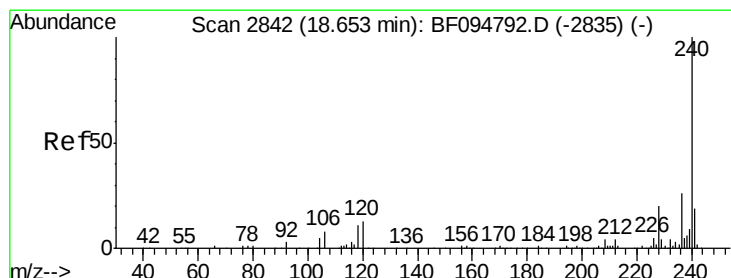
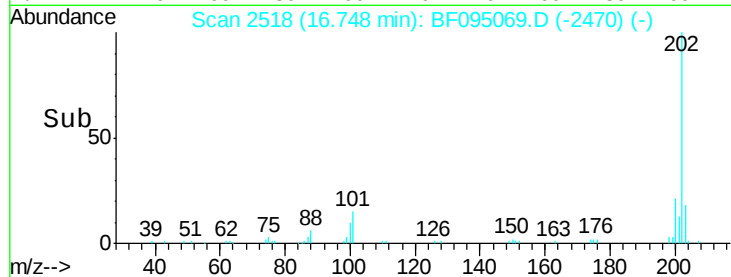
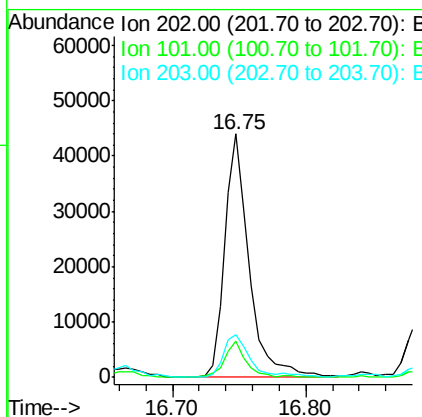
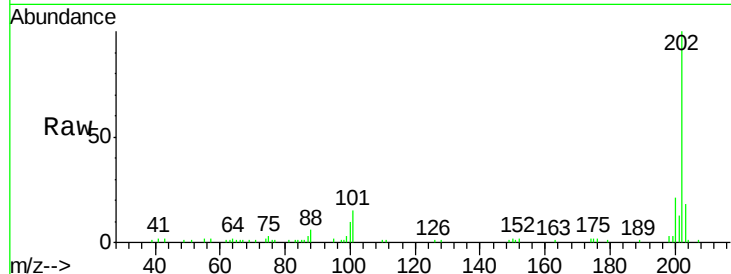




#74
 Fluoranthene
 Concen: 3.54 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095069.D
 Acq: 10 May 2017 22:14

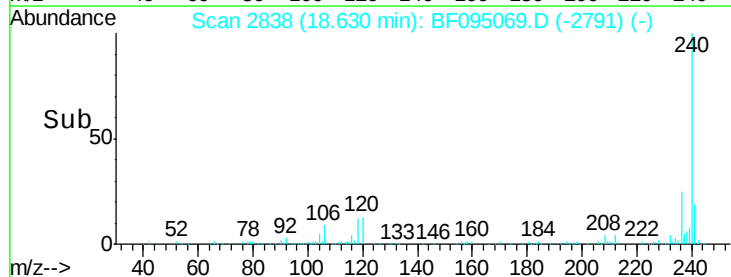
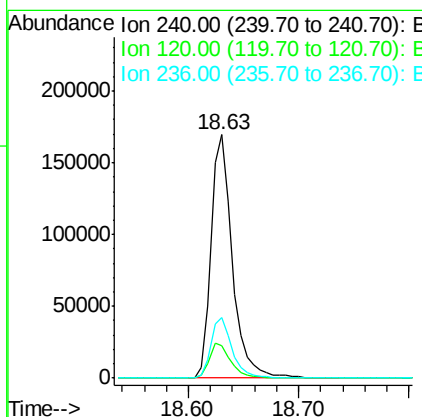
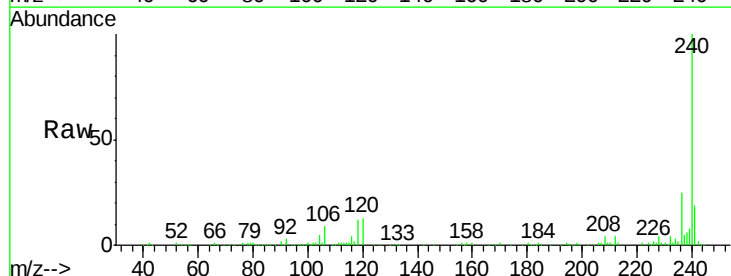
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409B

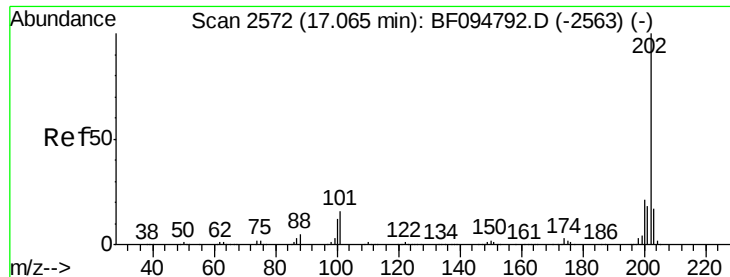
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	17.7	0.0	38.1



#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

Pyrene

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

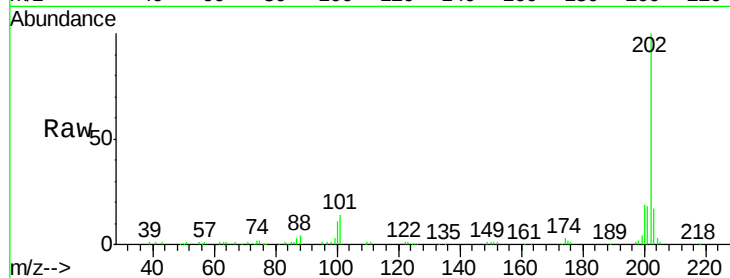
Tgt Ion:202 Resp: 141594

Ion Ratio Lower Upper

202 100

200 19.0 17.6 26.4

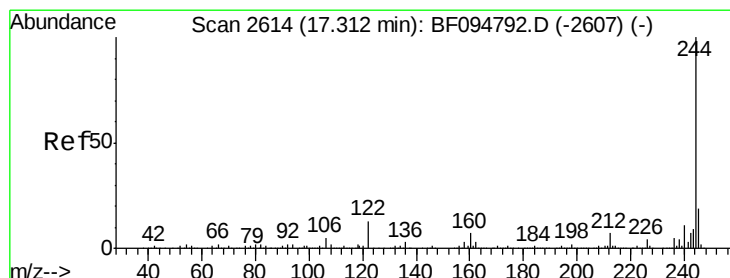
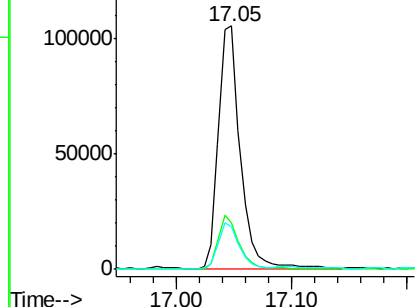
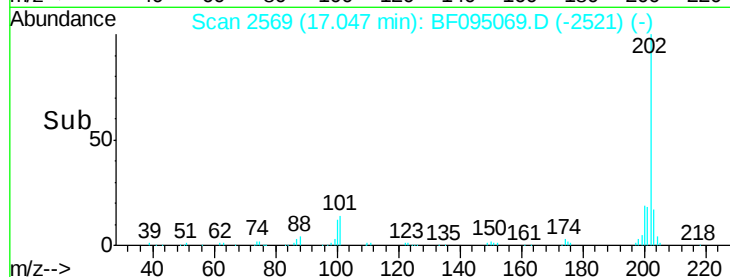
203 17.4 14.4 21.6



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

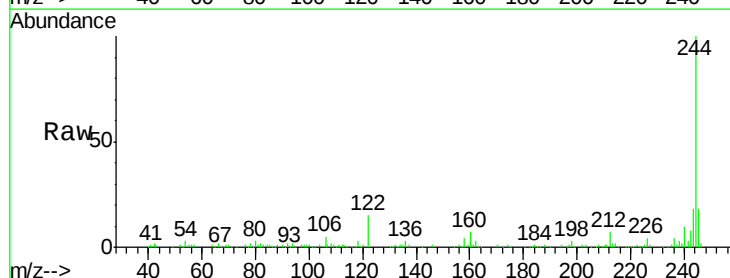
Tgt Ion:244 Resp: 170779

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

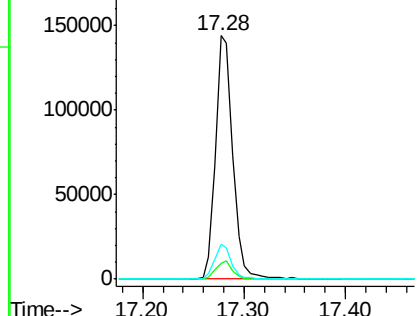
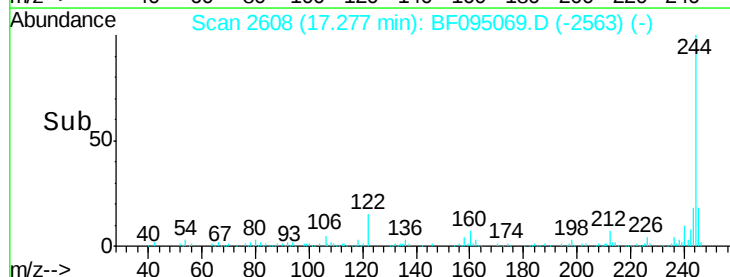
122 14.6 10.3 15.5

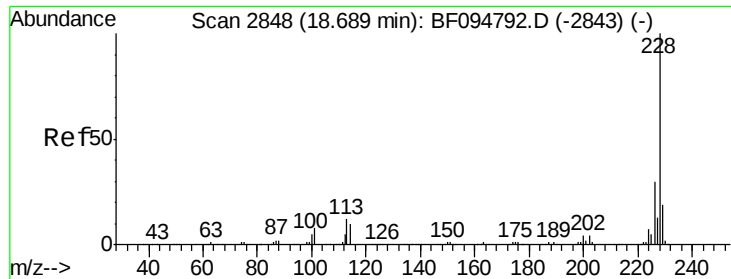


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#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

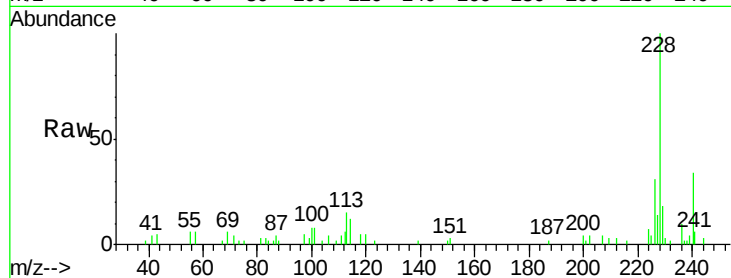
Tgt Ion:228 Resp: 26888

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

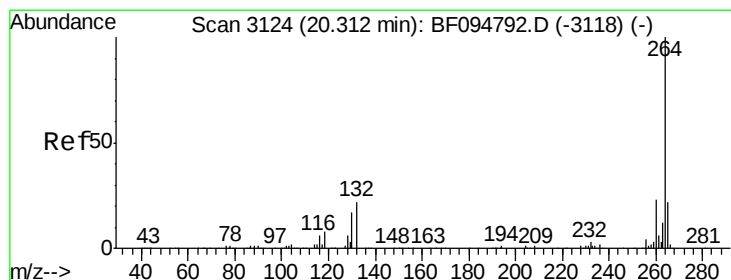
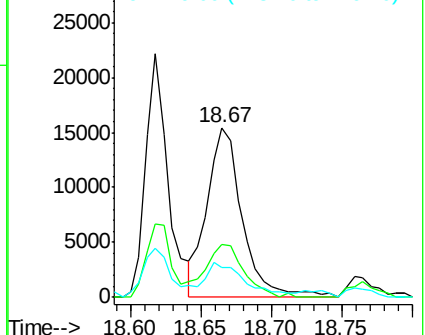
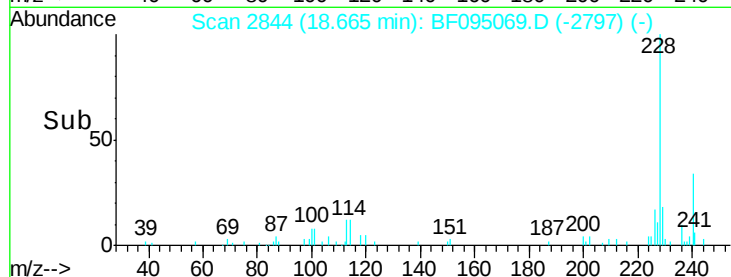
229 17.7 15.8 23.6



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

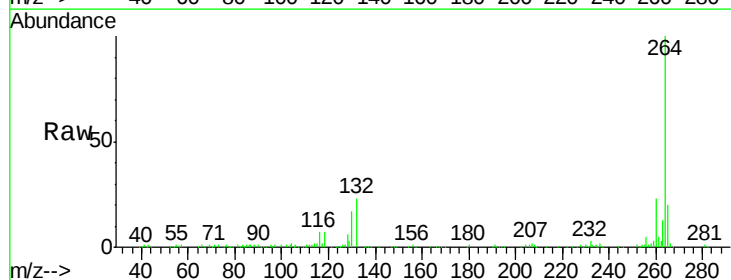
Tgt Ion:264 Resp: 203069

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

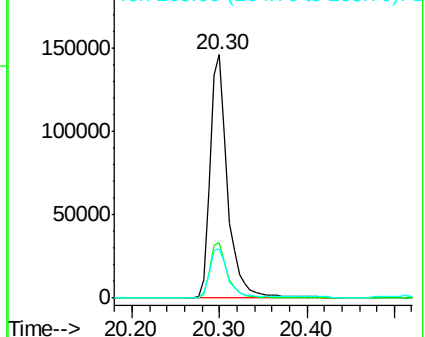
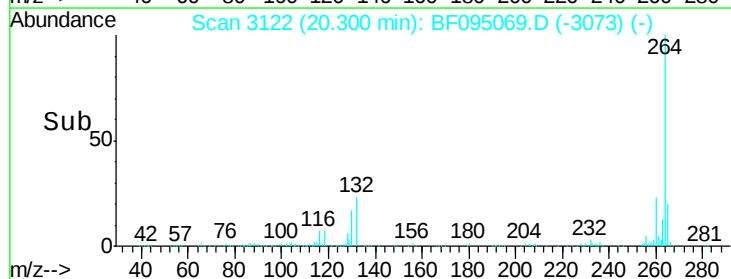
265 20.0 17.2 25.8

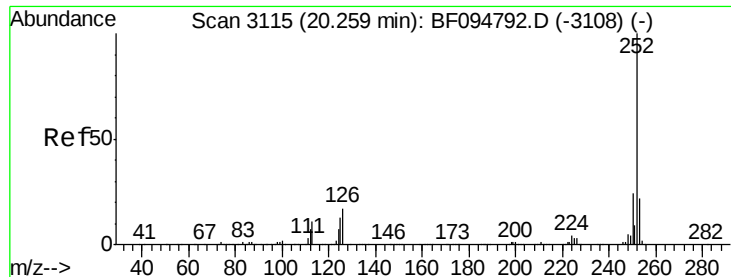


Abundance Ion 264.00 (263.70 to 264.70): E

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

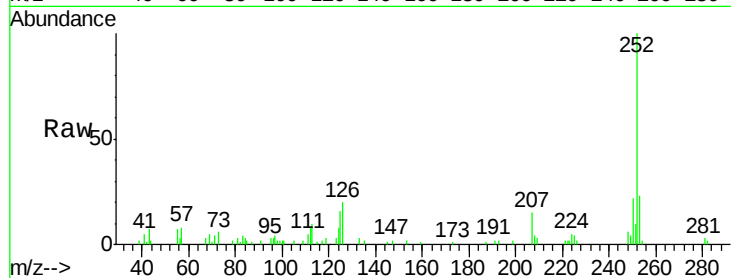
Acq: 10 May 2017 22:14

Instrument :

BNA_F

ClientSampleId :

HY-SB409B



Tgt Ion:	252	Resp:	23604
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.7	11.0	16.4

