

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095174.D
 Acq On : 17 May 2017 00:48
 Operator : SJ/MA
 Sample : I3151-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 05:59:56 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

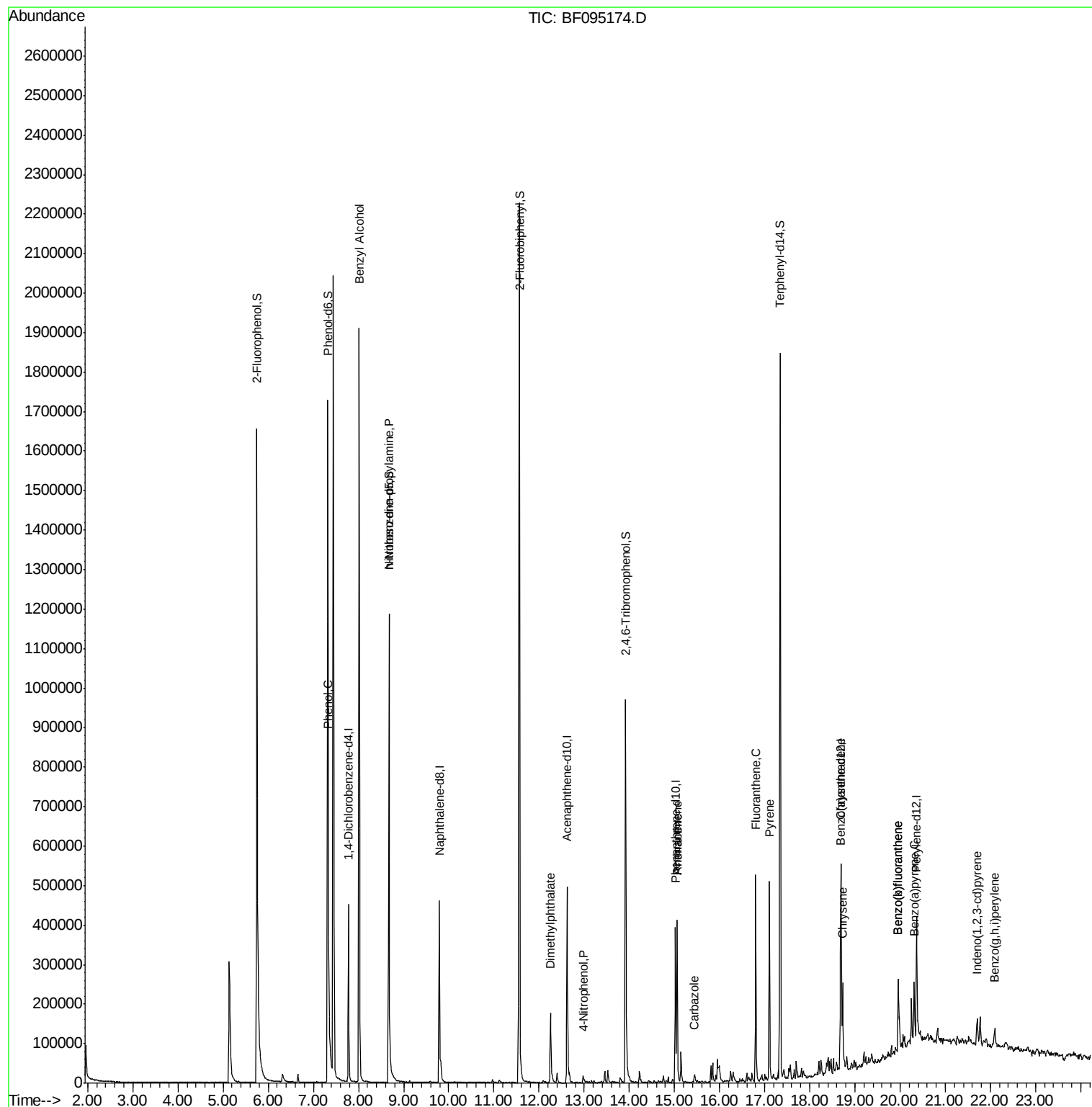
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	95544	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	346047	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	152102	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	208422	20.00	ng	0.04
75) Chrysene-d12	18.69	240	177218	20.00	ng	0.04
86) Perylene-d12	20.36	264	132027	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	873183	152.37	ng	0.07
7) Phenol-d6	7.32	99	1074457	156.26	ng	0.05
23) Nitrobenzene-d5	8.68	82	601615	109.63	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	172150	138.20	ng	0.04
44) 2-Fluorobiphenyl	11.57	172	1085245	102.70	ng	0.04
78) Terphenyl-d14	17.34	244	721275	89.64	ng	0.03
Target Compounds						Qvalue
10) Phenol	7.34	94	22094	3.05	ng	# 68
15) Benzyl Alcohol	8.01	79	9687	2.19	ng	# 52
19) n-Nitroso-di-n-propylamine	8.68	70	75278	16.19	ng	# 75
49) Dimethylphthalate	12.25	163	137171	10.99	ng	99
55) 4-Nitrophenol	12.97	139	5503	3.35	ng	# 25
70) Phenanthrene	15.06	178	228206	19.06	ng	98
71) Anthracene	15.06	178	228206	18.66	ng	98
72) Carbazole	15.44	167	22405	2.01	ng	99
74) Fluoranthene	16.80	202	269803	21.96	ng	98
77) Pyrene	17.10	202	246586	18.60	ng	96
80) Benzo(a)anthracene	18.68	228	99996	9.70	ng	97
82) Chrysene	18.72	228	96990	9.73	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	38842	4.80	ng	95
87) Benzo(b)fluoranthene	19.96	252	125731	15.41	ng	# 96
88) Benzo(k)fluoranthene	19.96	252	125731	15.98	ng	100
89) Benzo(a)pyrene	20.31	252	64739	8.60	ng	97
91) Benzo(a,h,i)perylene	22.09	276	39487	6.47	ng	98

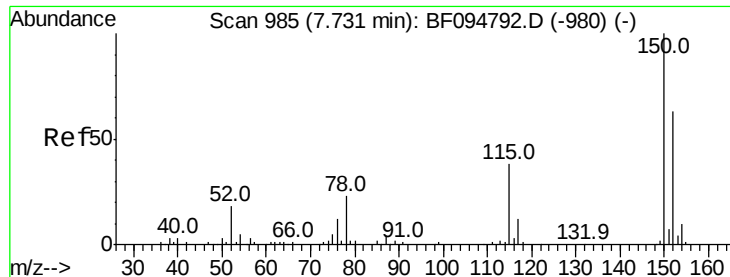
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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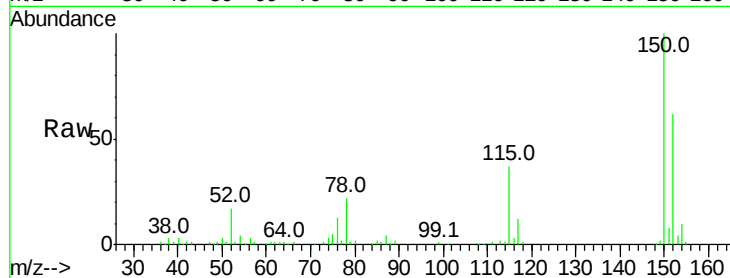


#1

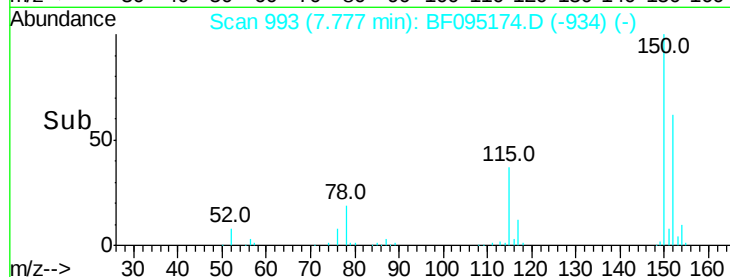
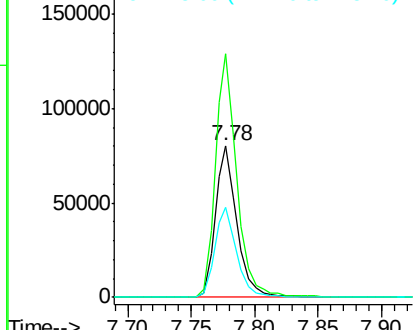
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95544
Ion Ratio Lower Upper
152 100
150 160.2 126.2 189.2
115 58.9 52.2 78.2



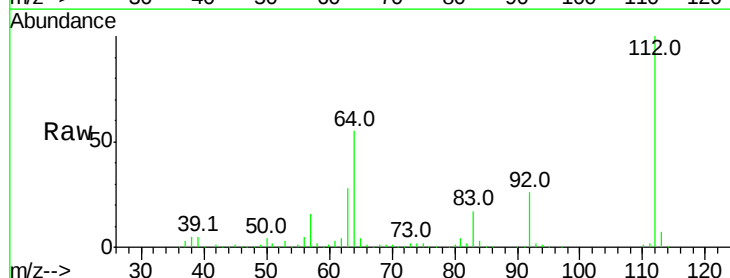
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



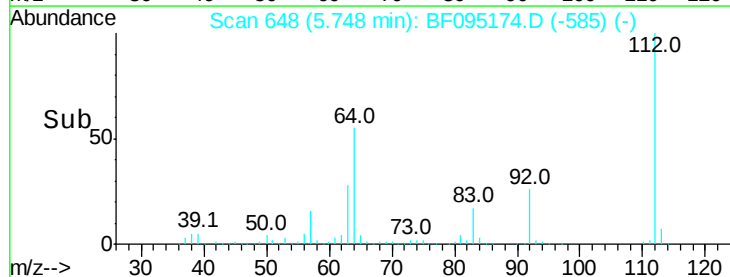
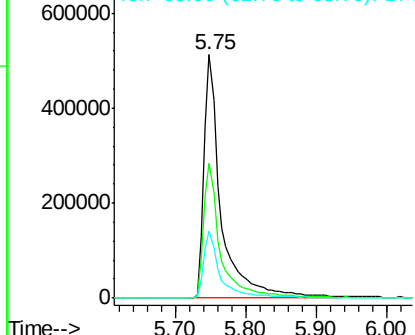
#5

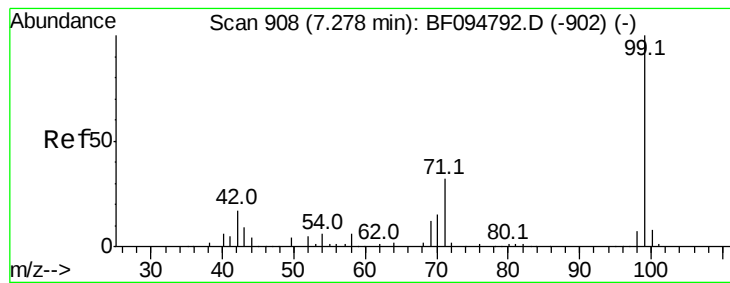
2-Fluorophenol
Concen: 152.37 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Tgt Ion:112 Resp: 873183
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 27.6 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: 156.26 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.05 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

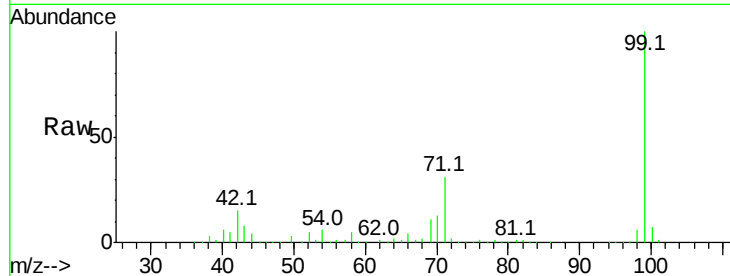
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1074457

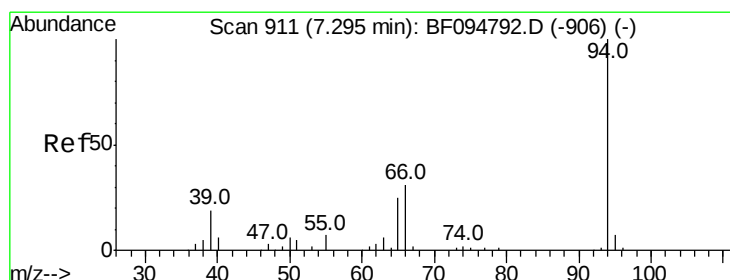
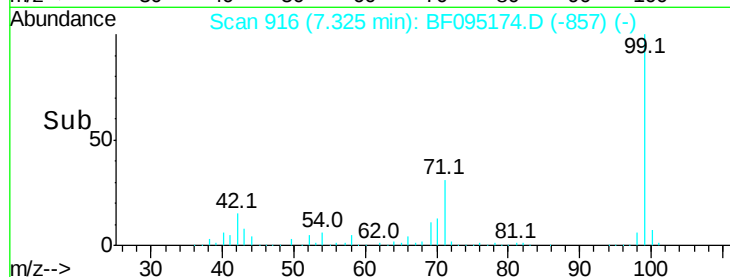
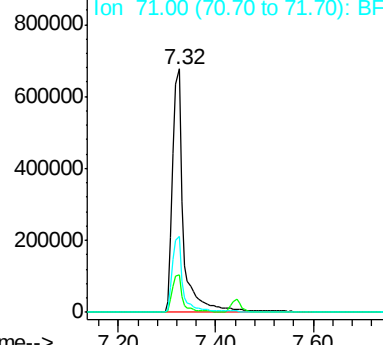
Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.5	20.3
71	31.3	24.5	36.7



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



#10

Phenol

Concen: 3.05 ng

RT: 7.34 min Scan# 918

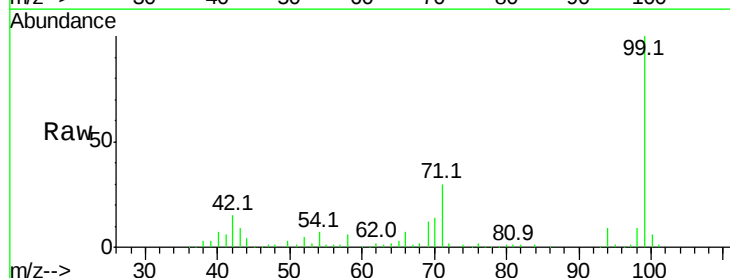
Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Tgt Ion: 94 Resp: 22094

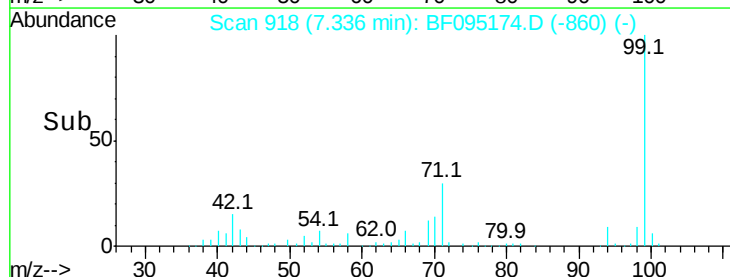
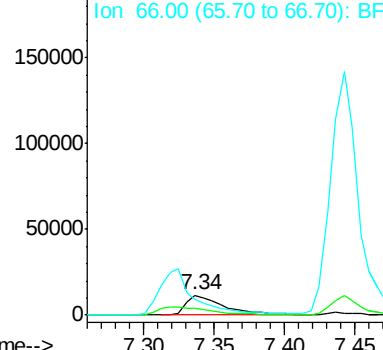
Ion	Ratio	Lower	Upper
94	100		
65	31.6	9.9	49.9
66	76.5	23.1	63.1#

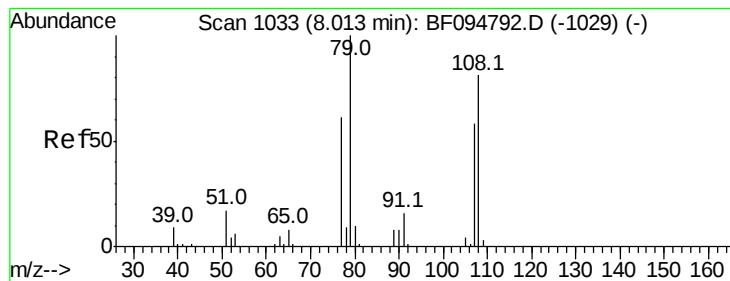


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 8.01 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

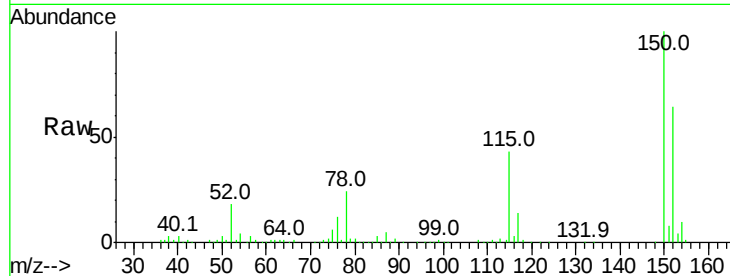
Tot Ion: 79 Resp: 9687

Ion Ratio Lower Upper

79 100

108 31.7 63.4 95.0#

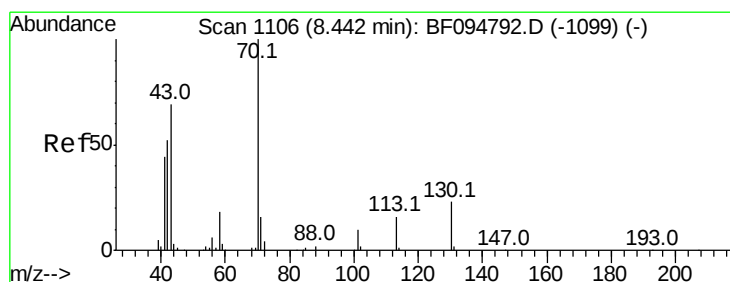
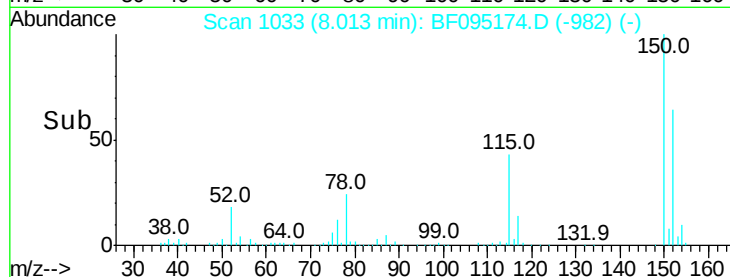
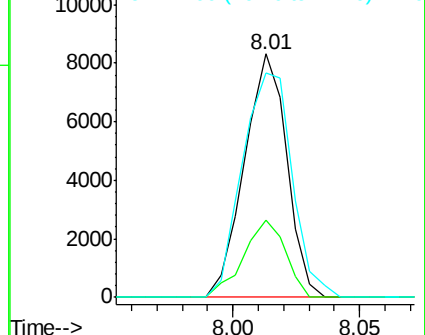
77 92.3 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.19 ng

RT: 8.68 min Scan# 1146

Delta R.T. 0.24 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Tgt Ion: 70 Resp: 75278

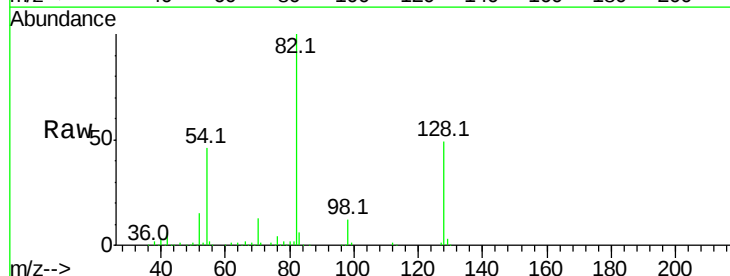
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

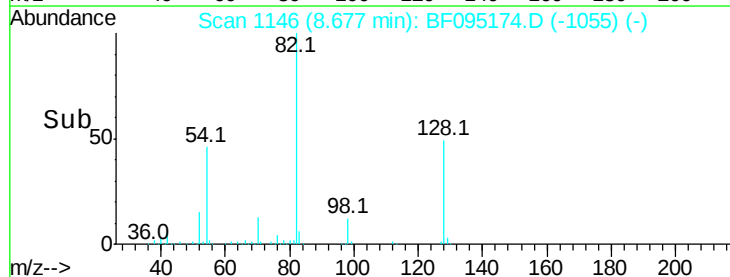
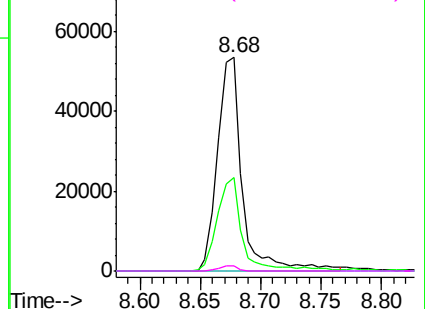


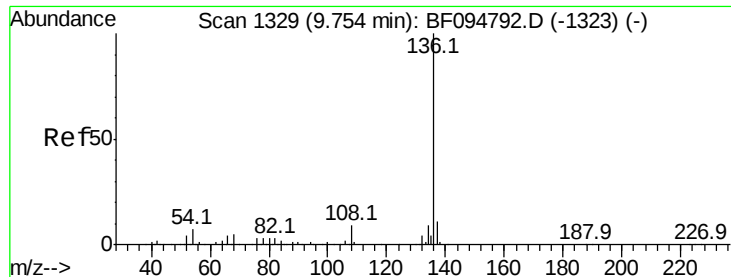
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 346047

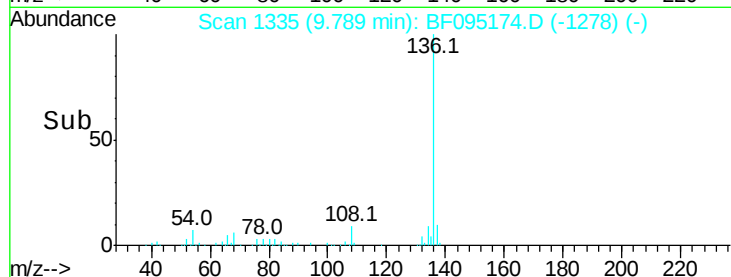
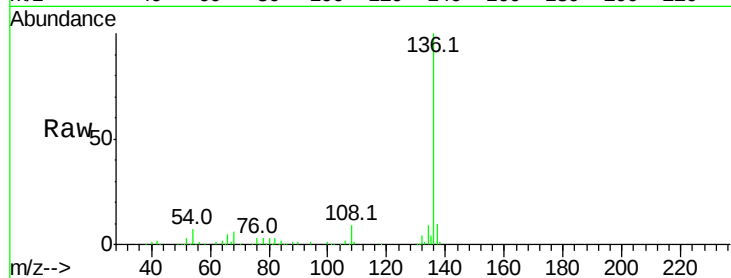
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.8 4.9 7.3

68 5.5 4.1 6.1

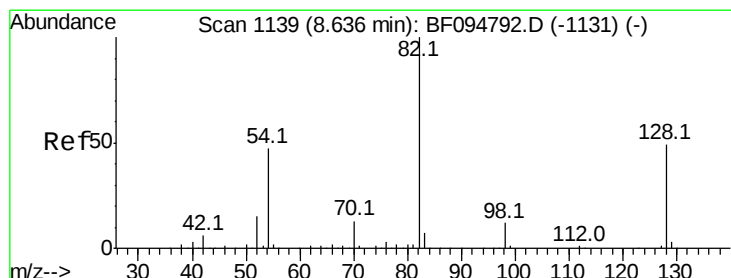
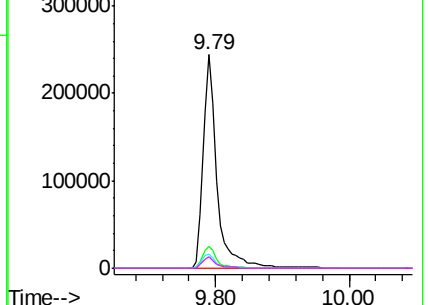


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.63 ng

RT: 8.68 min Scan# 1146

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

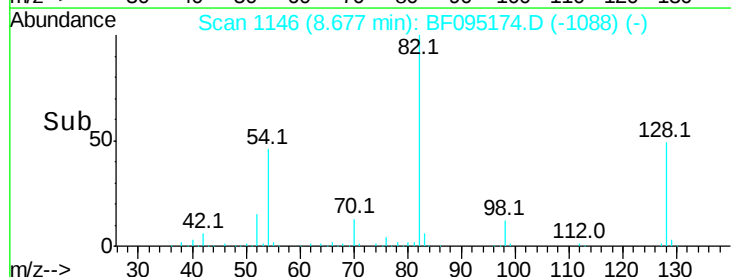
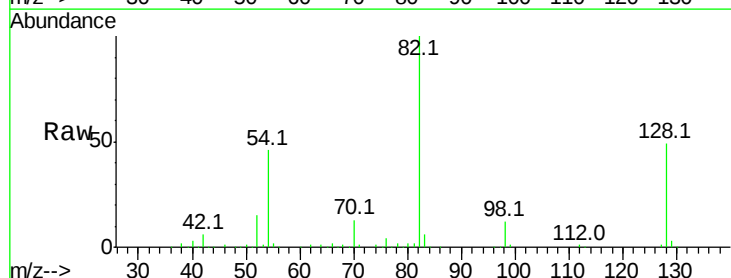
Tgt Ion: 82 Resp: 601615

Ion Ratio Lower Upper

82 100

128 49.0 34.0 51.0

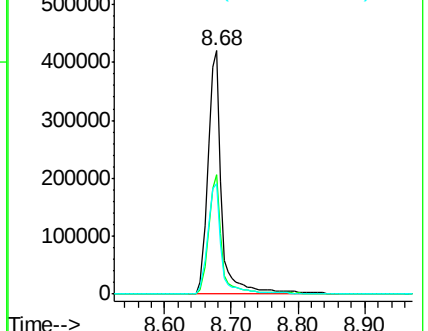
54 45.6 42.2 63.2

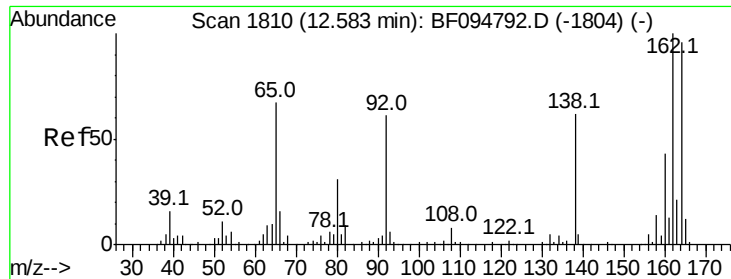


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

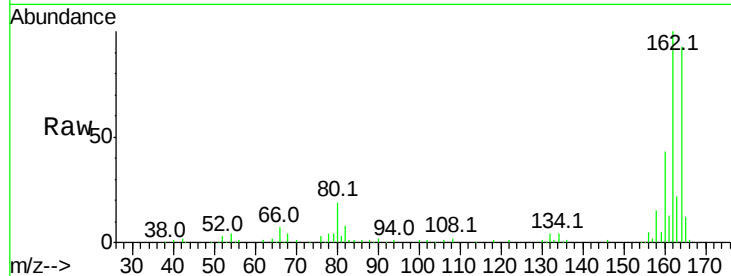
Tot Ion:164 Resp: 152102

Ion Ratio Lower Upper

164 100

162 107.5 82.6 123.8

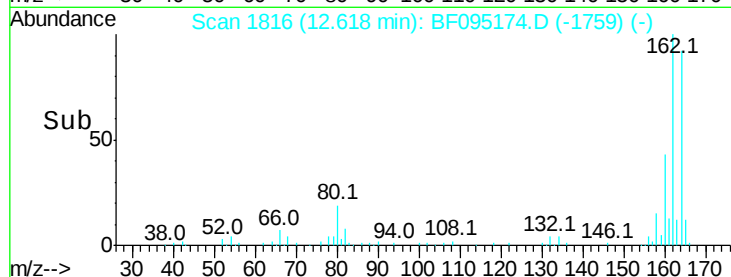
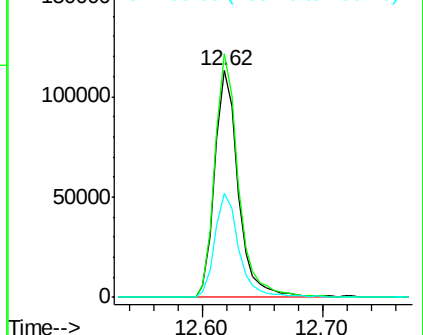
160 46.1 36.2 54.2



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: 138.20 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

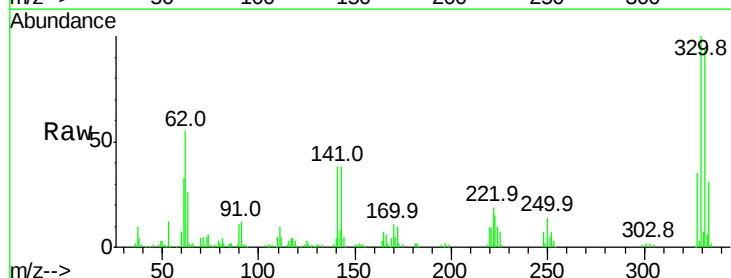
Tgt Ion:330 Resp: 172150

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

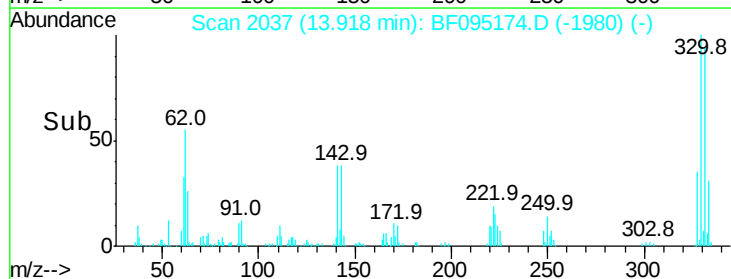
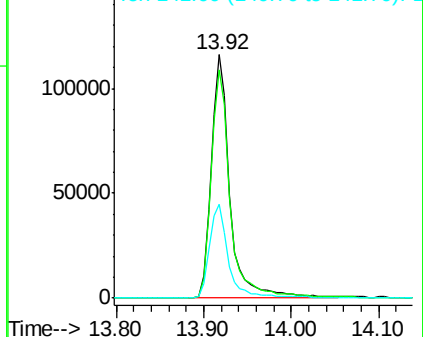
141 38.5 31.4 47.2



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

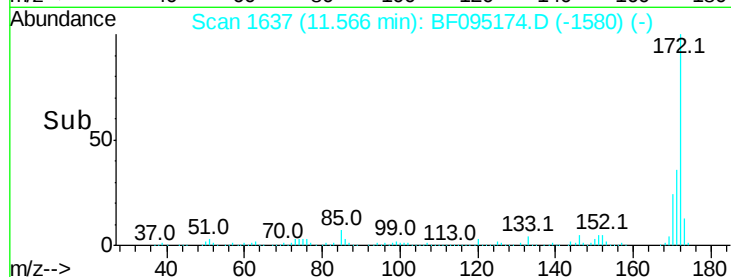
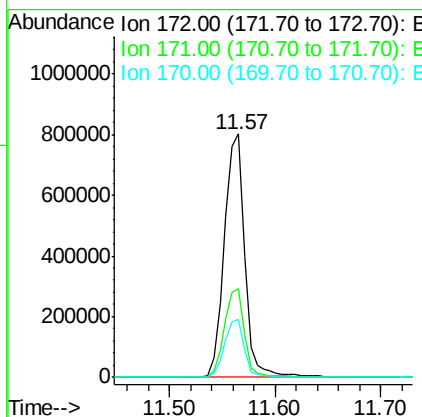
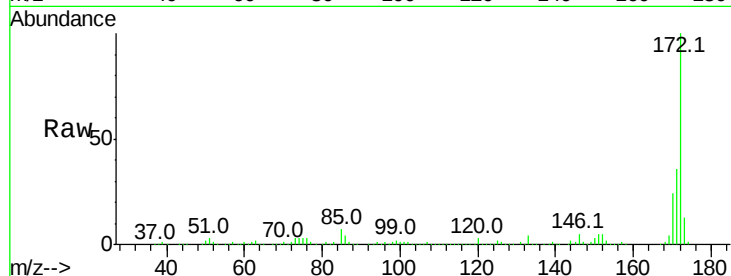




#44
2-Fluorobiphenyl
Concen: 102.70 ng
RT: 11.57 min Scan# 1637
Delta R.T. 0.04 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

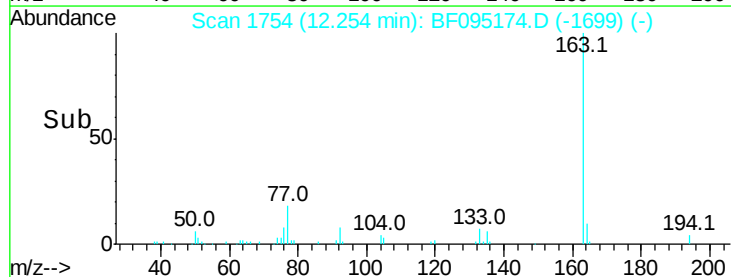
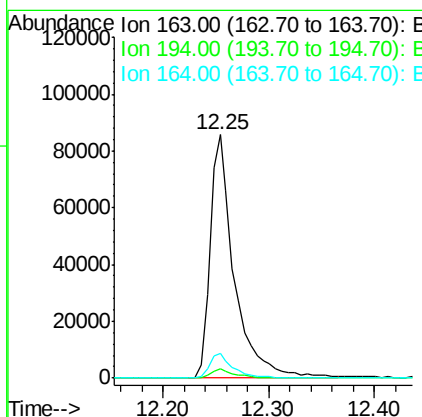
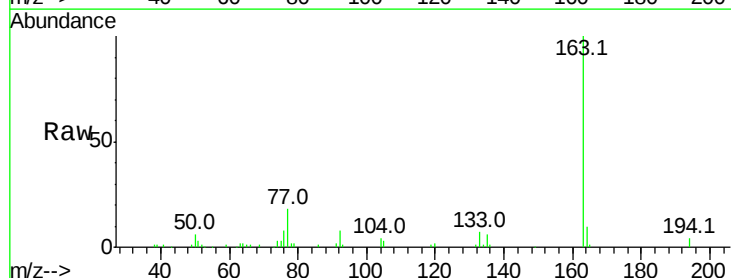
Instrument :
BNA_F
ClientSampleId :

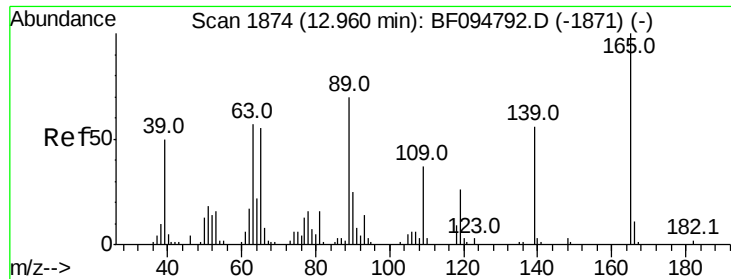
Tot Ion:172 Resp: 1085245
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.0 19.8 29.8



#49
Dimethylphthalate
Concen: 10.99 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Tgt Ion:163 Resp: 137171
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.0 8.4 12.6

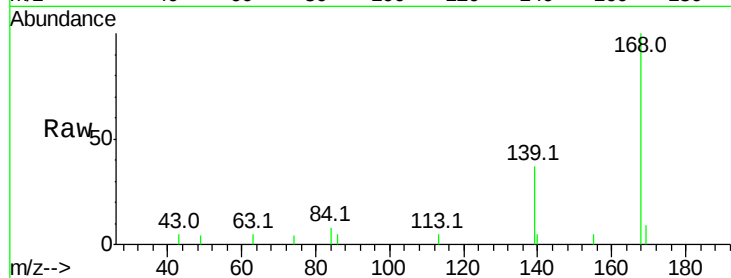




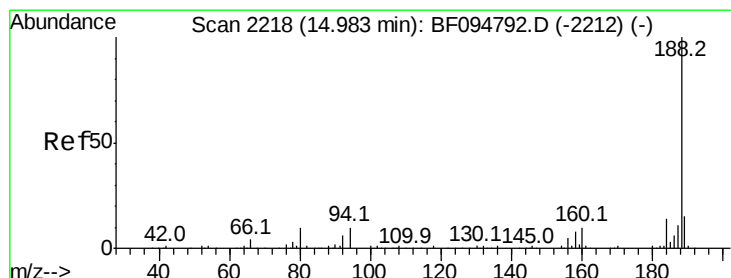
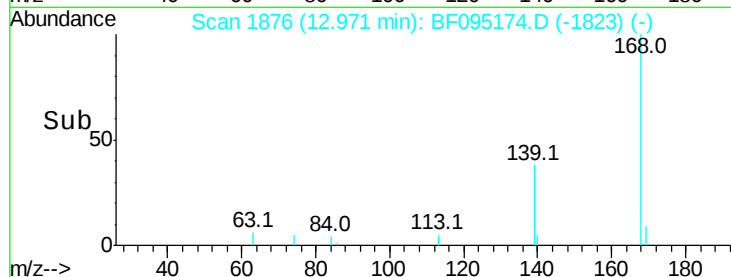
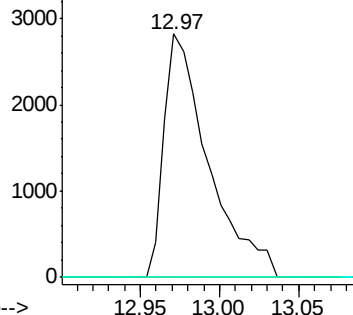
#55
4-Nitrophenol
Concen: 3.35 ng
RT: 12.97 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5503
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

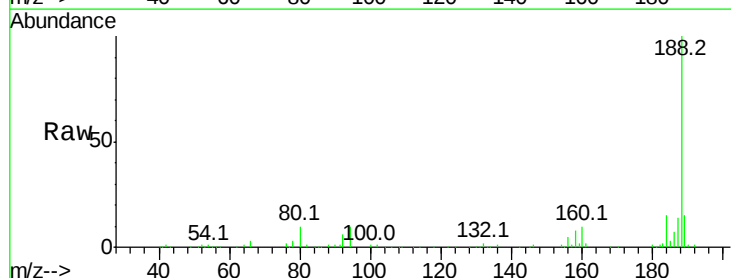


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

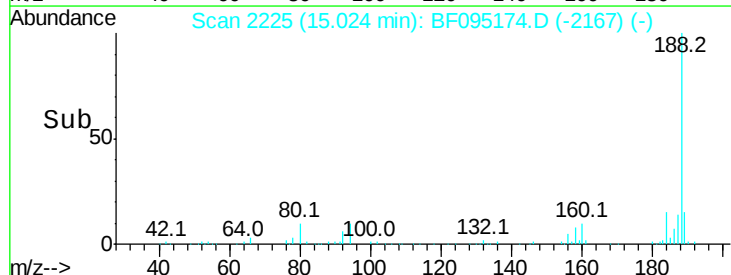
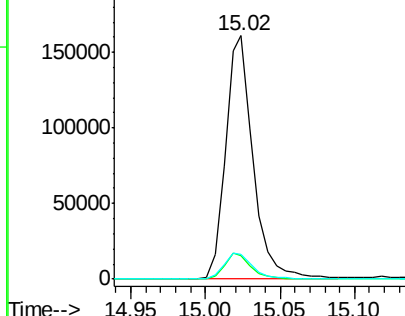


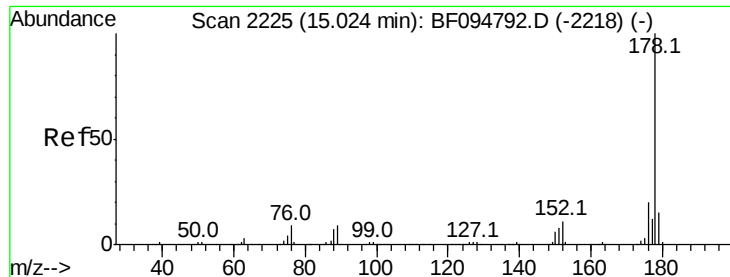
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.04 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Tgt Ion:188 Resp: 208422
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 10.4 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

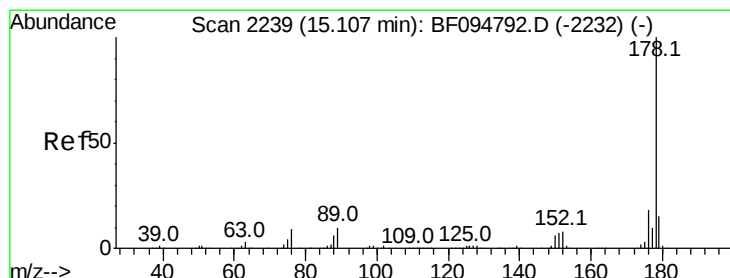
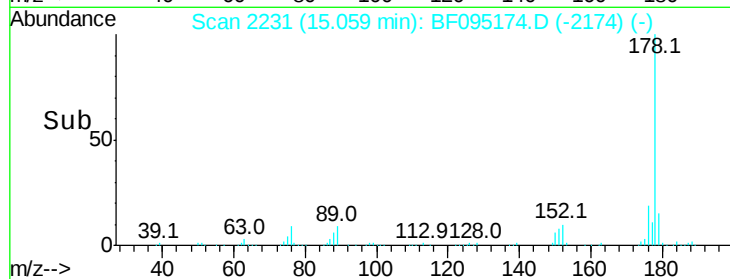
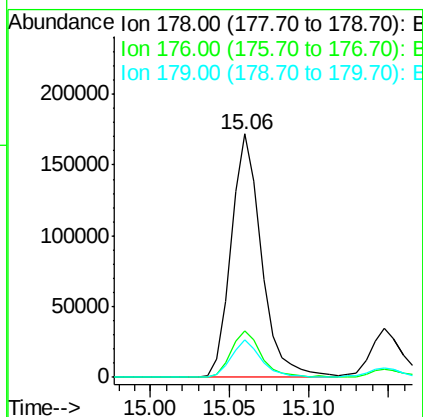
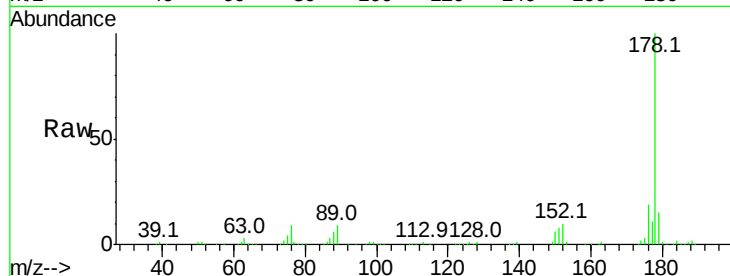




#70
 Phenanthrene
 Concen: 19.06 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. 0.04 min
 Lab File: BF095174.D
 Acq: 17 May 2017 00:48

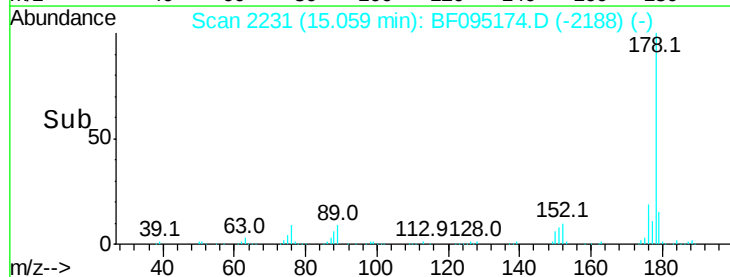
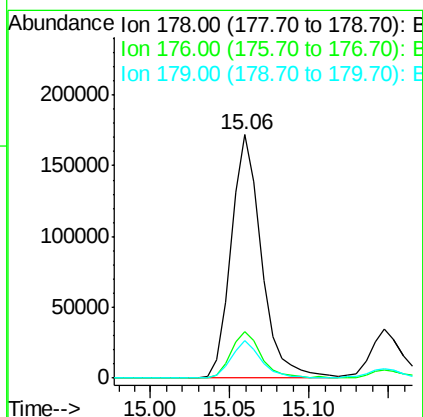
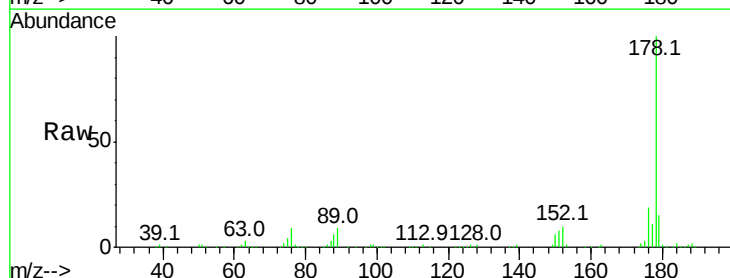
Instrument :
 BNA_F
 ClientSampleId :

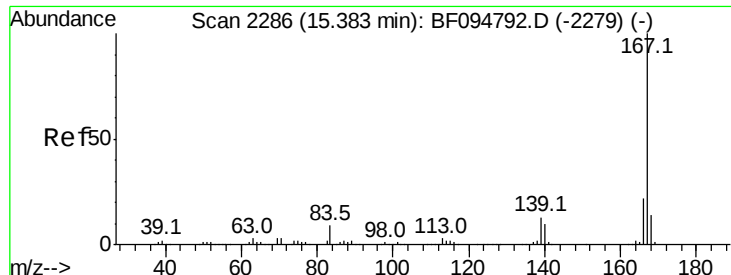
Tot Ion:178 Resp: 228206
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.2 12.6 19.0



#71
 Anthracene
 Concen: 18.66 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.05 min
 Lab File: BF095174.D
 Acq: 17 May 2017 00:48

Tgt Ion:178 Resp: 228206
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.2 12.7 19.1





#72

Carbazole

Concen: 2.01 ng

RT: 15.44 min Scan# 2296

Delta R.T. 0.06 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampled :

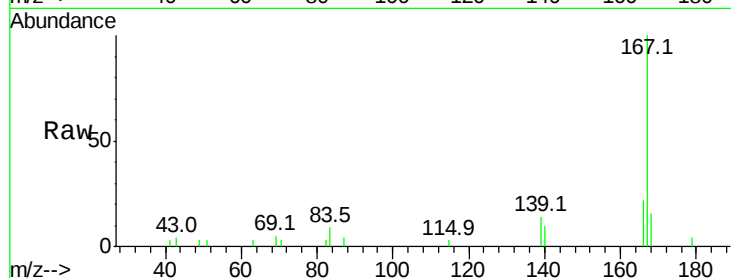
Tot Ion:167 Resp: 22405

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

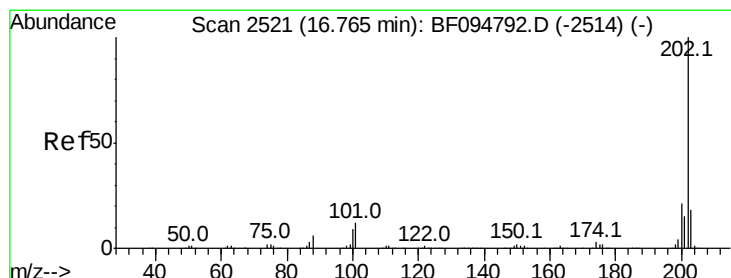
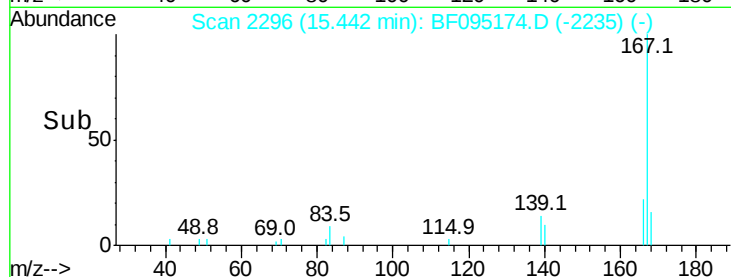
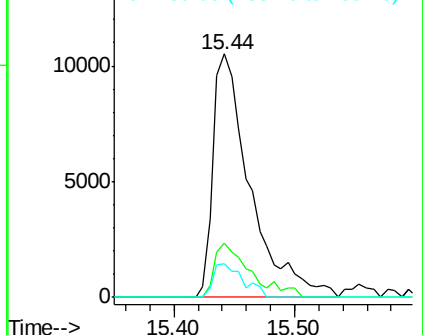
139 13.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 21.96 ng

RT: 16.80 min Scan# 2527

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

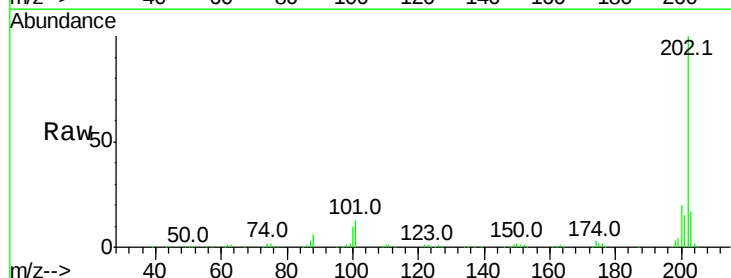
Tgt Ion:202 Resp: 269803

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

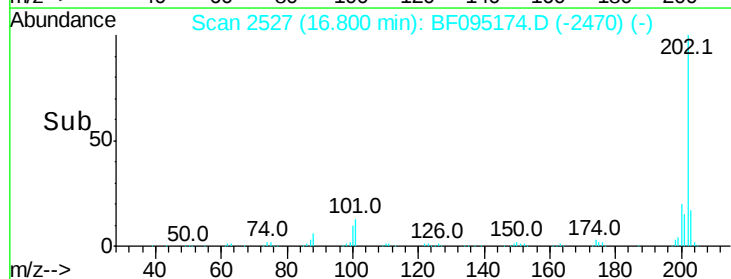
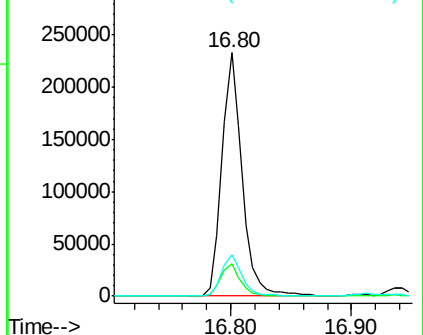
203 17.0 0.0 38.1

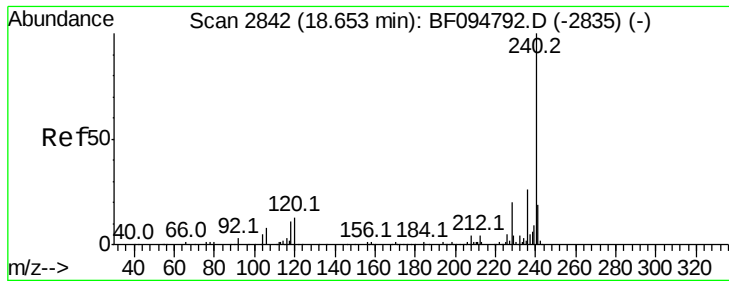


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2848

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

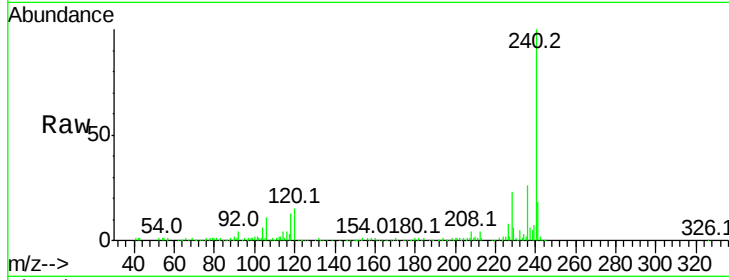
Tot Ion:240 Resp: 177218

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

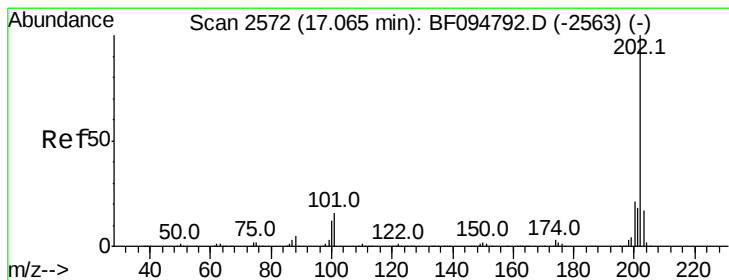
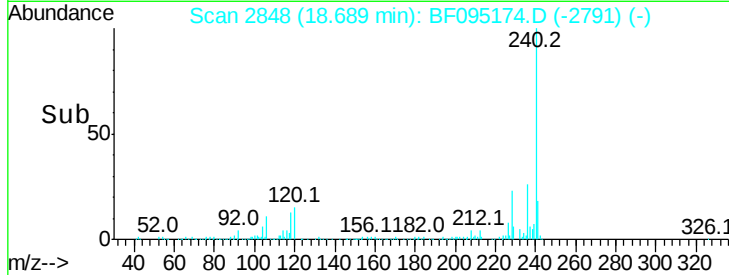
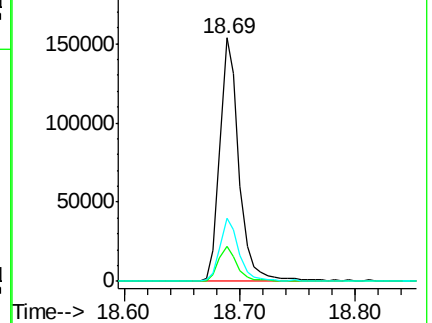
236 25.7 20.5 30.7



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: 18.60 ng

RT: 17.10 min Scan# 2578

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

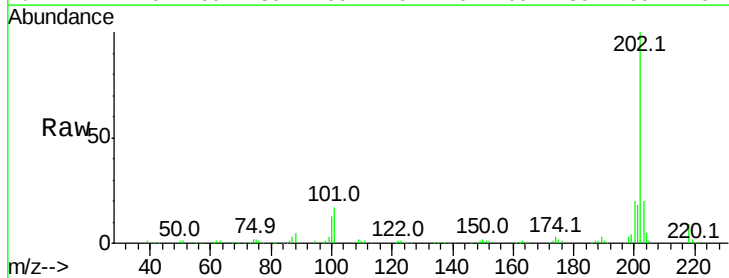
Tgt Ion:202 Resp: 246586

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

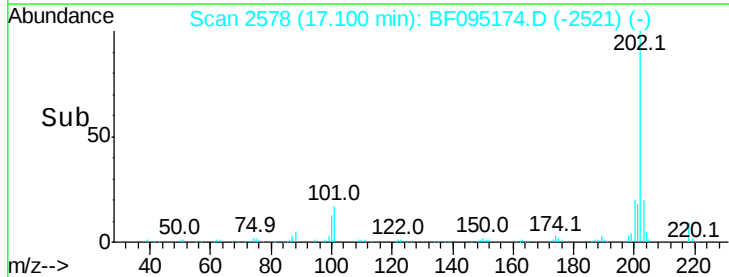
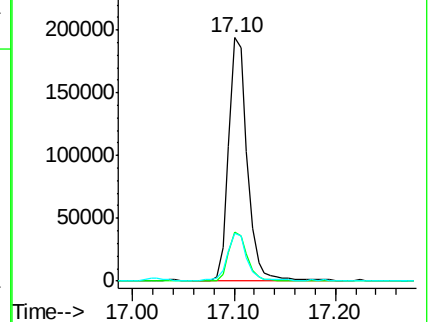
203 19.7 14.4 21.6

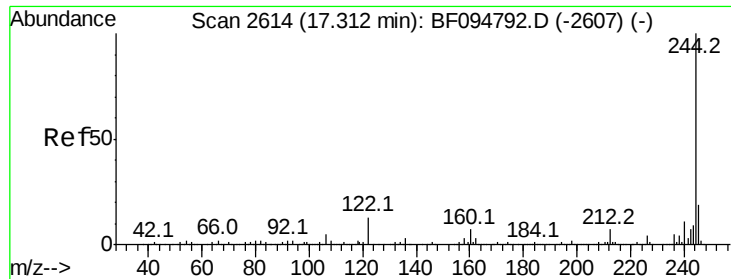


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.64 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

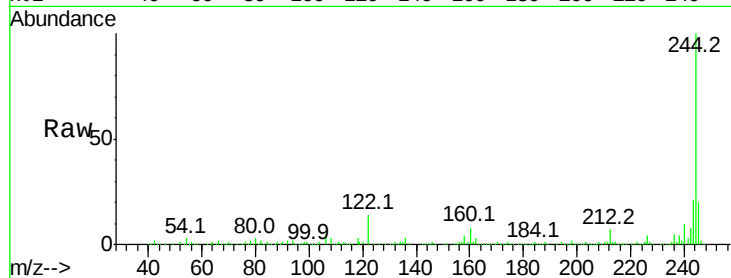
Tot Ion:244 Resp: 721275

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

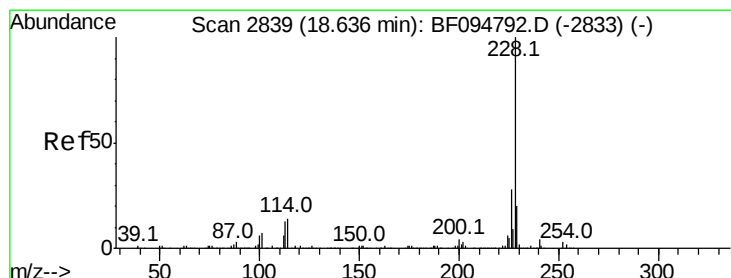
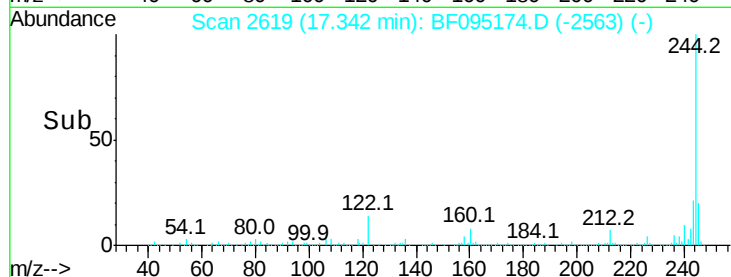
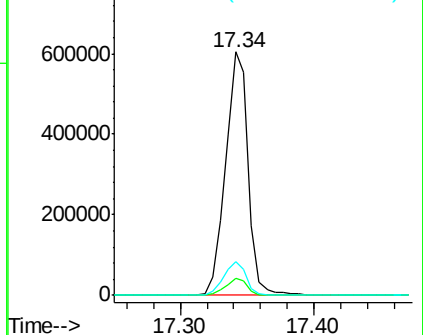
122 13.9 10.3 15.5



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: 9.70 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

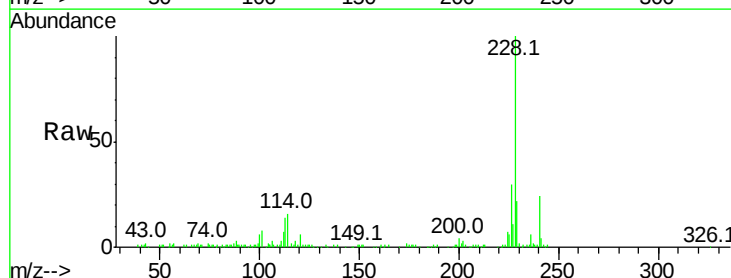
Tgt Ion:228 Resp: 99996

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

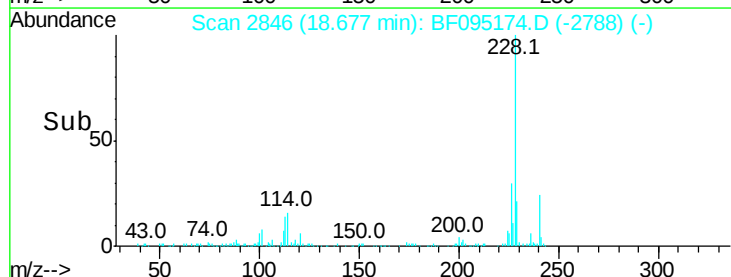
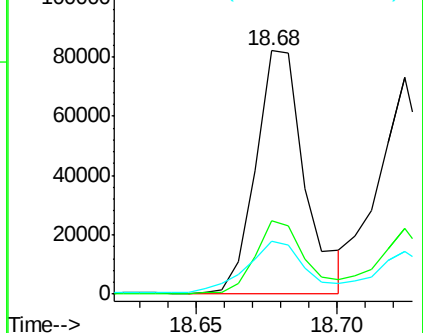
229 21.7 16.3 24.5

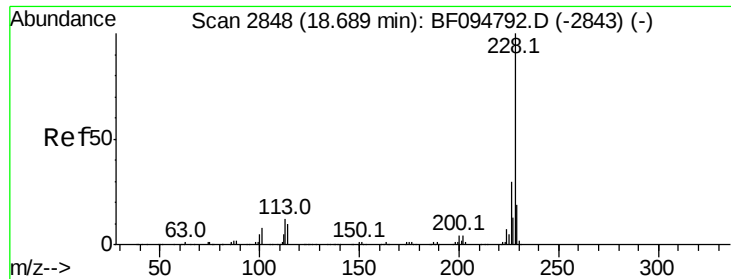


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.73 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

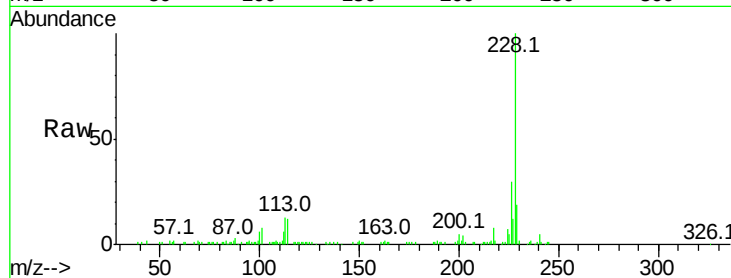
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 96990

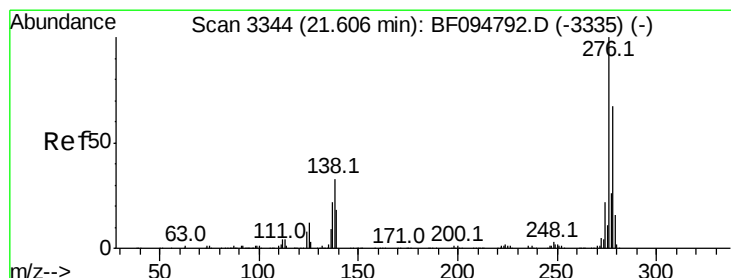
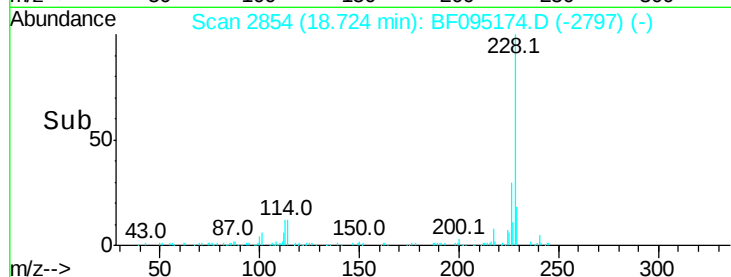
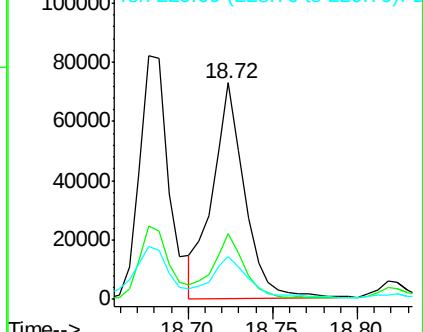
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	19.4	15.8	23.6



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: 4.80 ng

RT: 21.71 min Scan# 3361

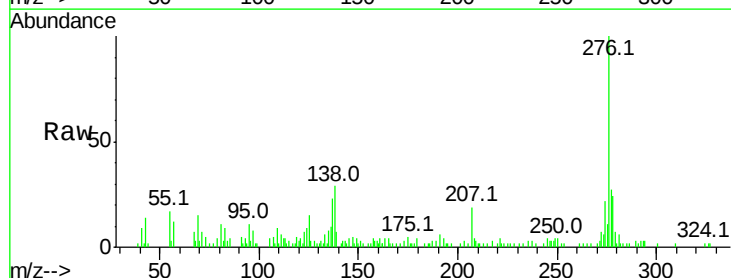
Delta R.T. 0.10 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Tgt Ion:276 Resp: 38842

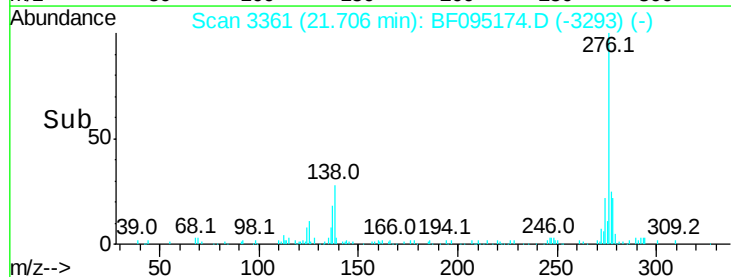
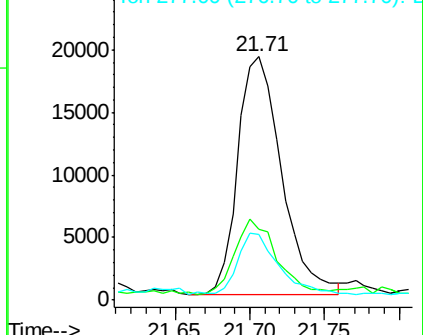
Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	23.6	20.2	30.4

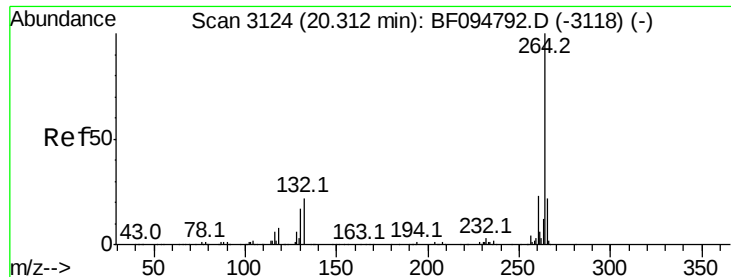


Abundance Ion 276.00 (275.70 to 276.70): E

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: 20.36 min Scan# 3133

Delta R.T. 0.05 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

Instrument :

BNA_F

ClientSampleId :

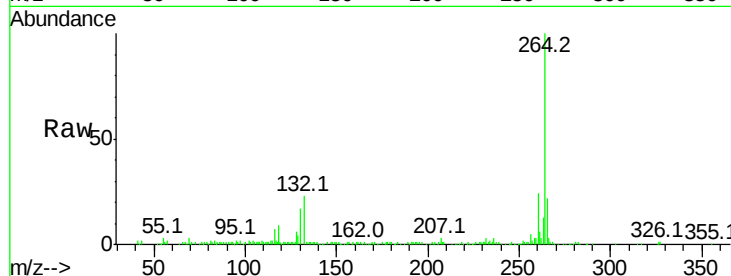
Tot Ion:264 Resp: 132027

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

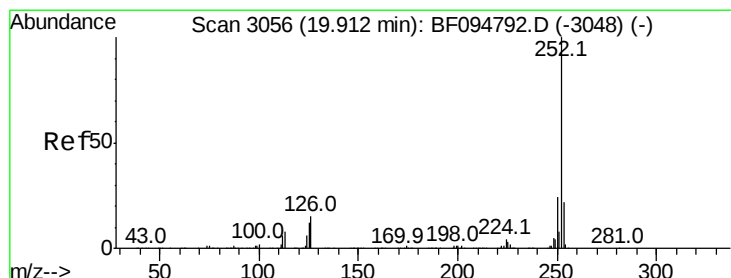
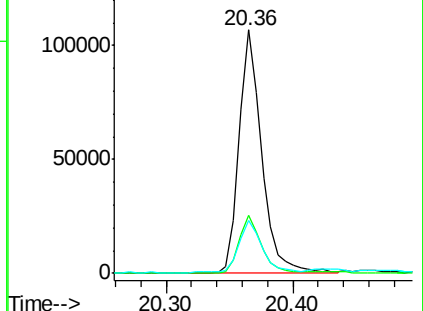
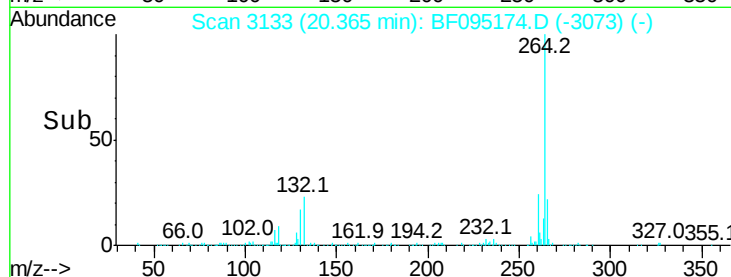
265 21.9 17.2 25.8



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: 15.41 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.05 min

Lab File: BF095174.D

Acq: 17 May 2017 00:48

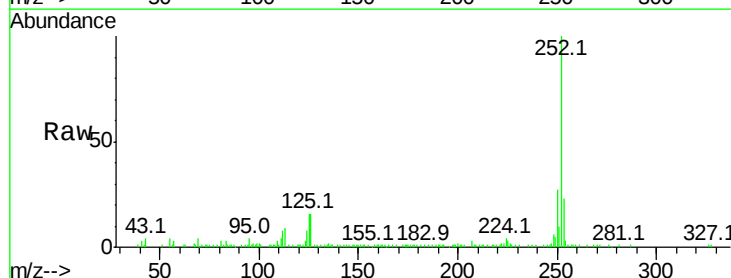
Tgt Ion:252 Resp: 125731

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

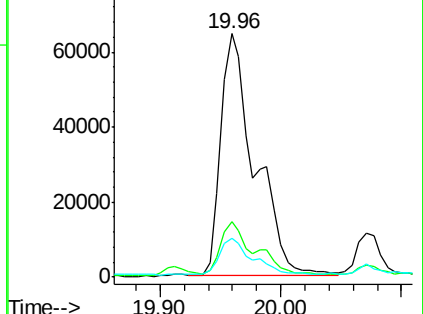
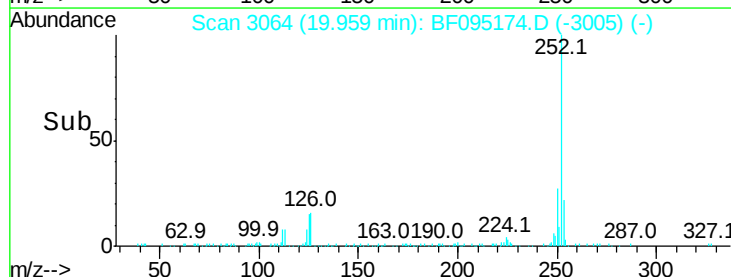
125 16.2 9.8 14.8#

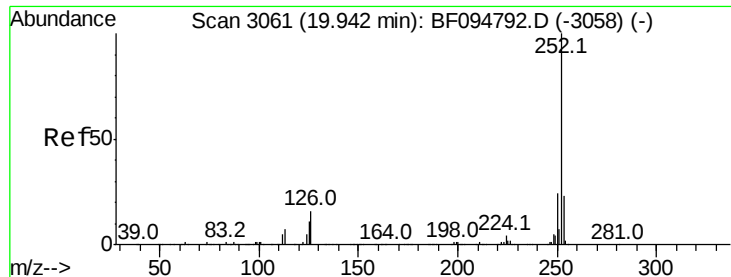


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

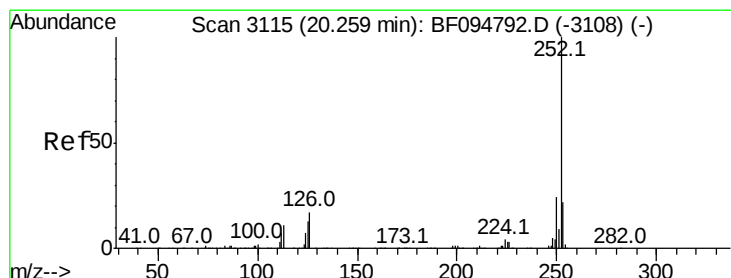
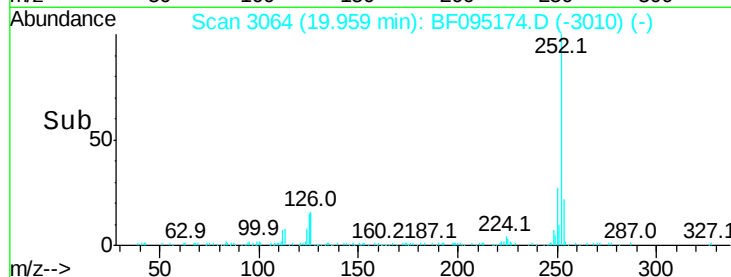
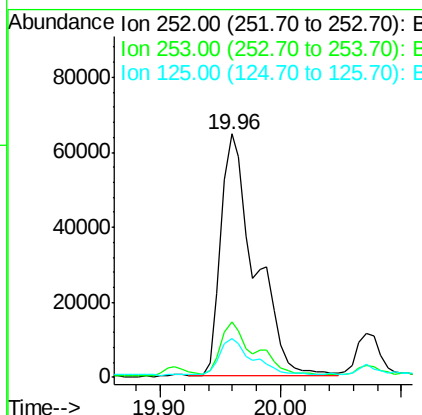
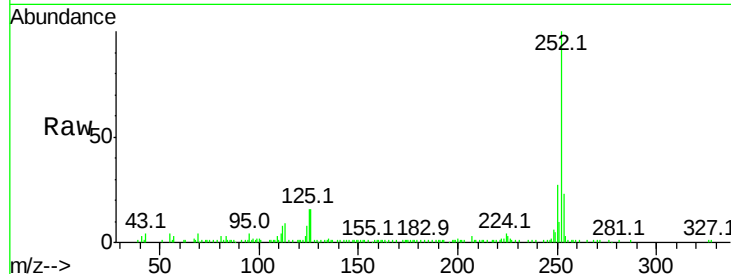




#88
Benzo(k)fluoranthene
Concen: 15.98 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

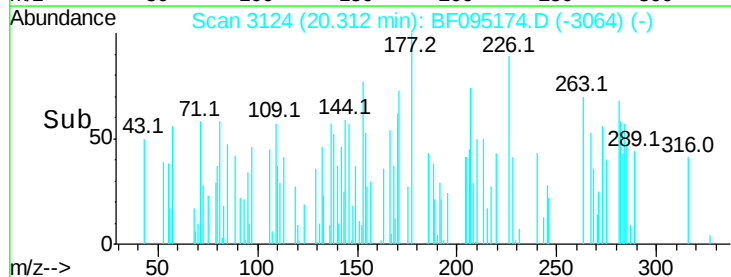
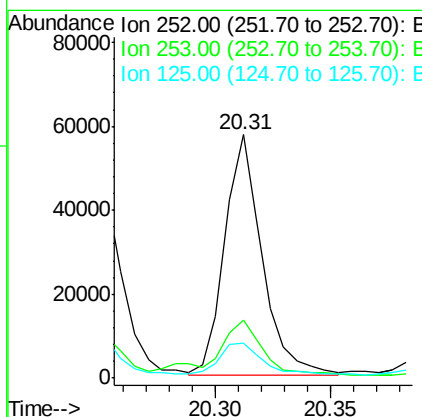
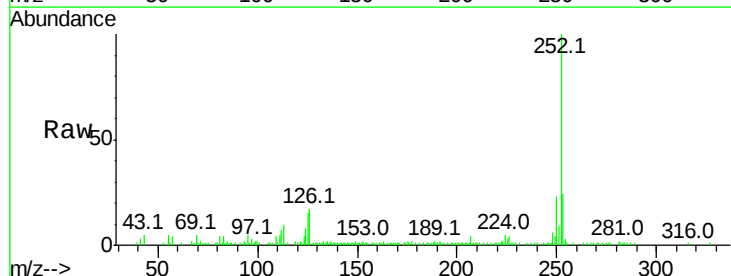
Instrument :
BNA_F
ClientSampleId :

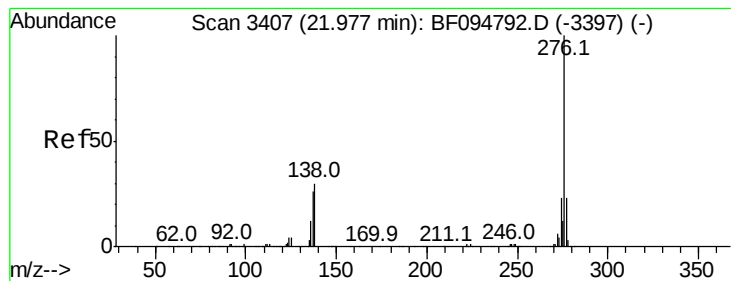
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	16.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.60 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095174.D
Acq: 17 May 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	14.6	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.47 ng
 RT: 22.09 min Scan# 3427
 Delta R.T. 0.12 min
 Lab File: BF095174.D
 Acq: 17 May 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	33.8	25.4	38.0

