

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094557.D
 Acq On : 20 Apr 2017 21:01
 Operator : SJ/MA
 Sample : I2744-18 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 01:06:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

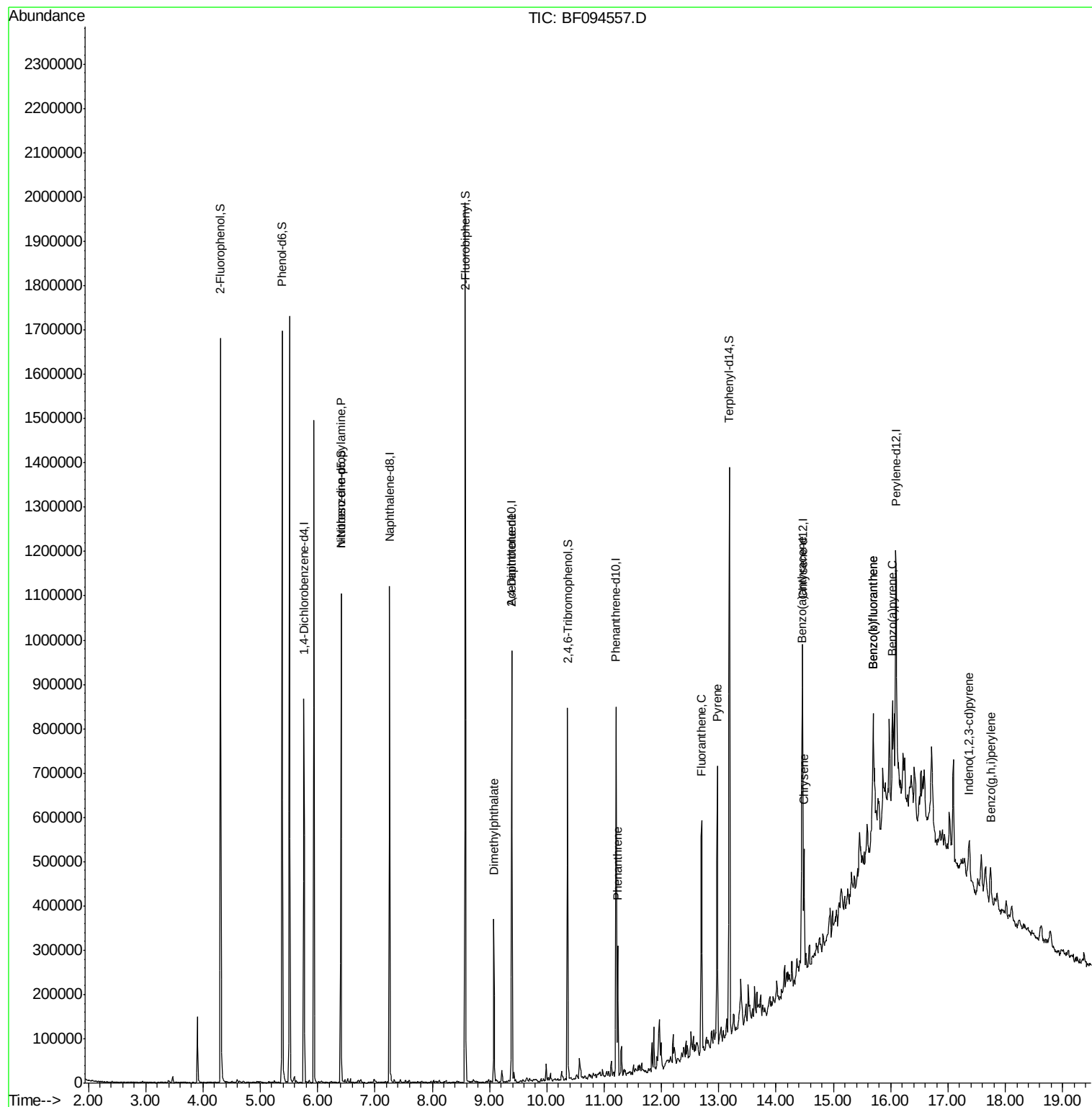
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	130229	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	512204	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204699	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	335830	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	257637	20.00	ng	0.00
86) Perylene-d12	16.09	264	220421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	472447	60.19	ng	0.00
7) Phenol-d6	5.38	99	578924	62.56	ng	0.00
23) Nitrobenzene-d5	6.41	82	345178	41.61	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	97177	60.69	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	644211	46.30	ng	0.00
78) Terphenyl-d14	13.18	244	449400	46.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	44084	7.19	ng	Qvalue # 76
49) Dimethylphthalate	9.08	163	150259	9.85	ng	99
56) 2,4-Dinitrotoluene	9.39	165	26845	6.39	ng	# 32
70) Phenanthrene	11.24	178	112037	5.92	ng	98
74) Fluoranthene	12.70	202	236873	12.09	ng	97
77) Pyrene	12.97	202	260438	14.47	ng	96
80) Benzo(a)anthracene	14.45	228	114390	7.64	ng	97
82) Chrysene	14.49	228	116477	8.51	ng	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	56318	4.32	ng	94
87) Benzo(b)fluoranthene	15.69	252	174424	12.94	ng	# 93
88) Benzo(k)fluoranthene	15.69	252	174424	13.67	ng	97
89) Benzo(a)pyrene	16.03	252	96492	7.69	ng	# 94
91) Benzo(a,h,i)perylene	17.74	276	56695	5.35	ng	96

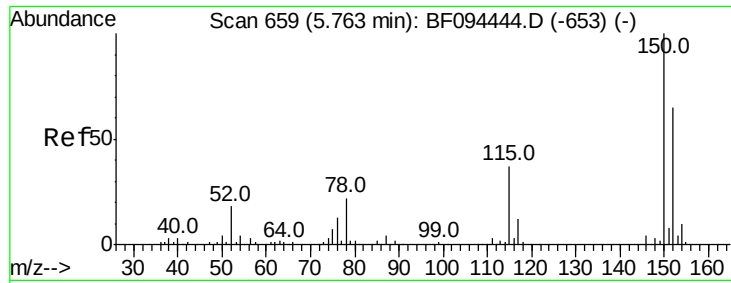
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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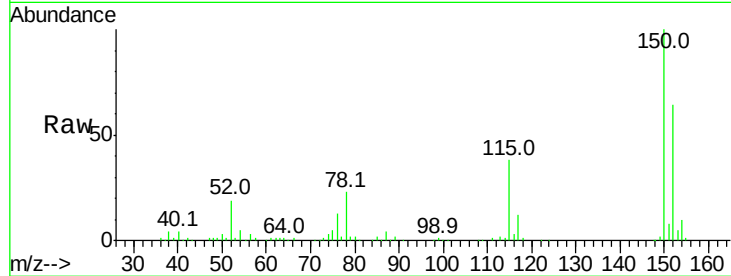


#1

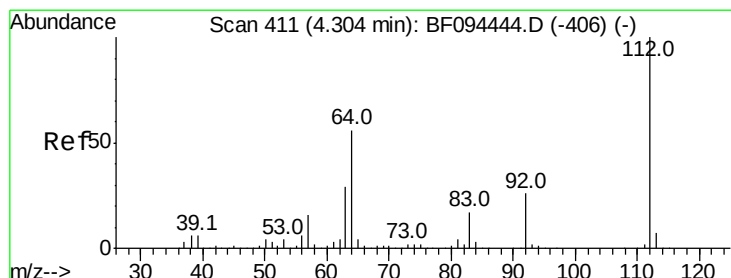
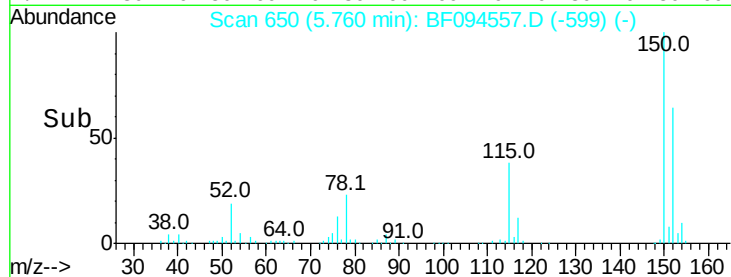
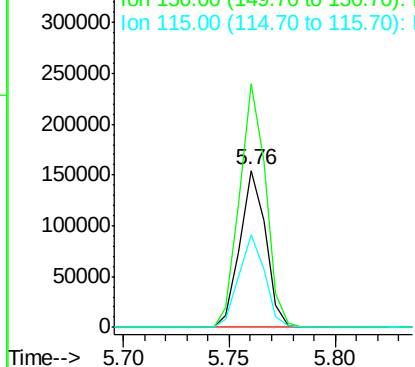
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130229
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 59.5 52.2 78.2



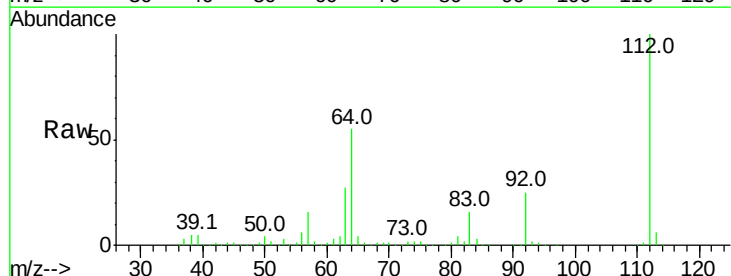
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



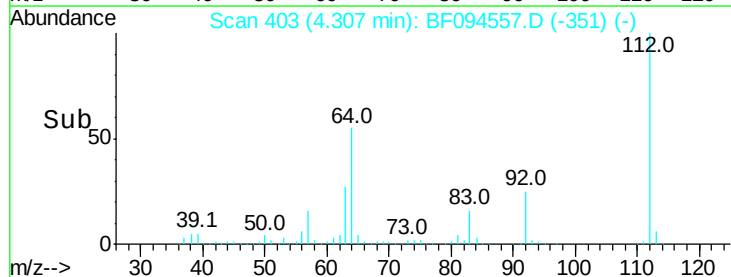
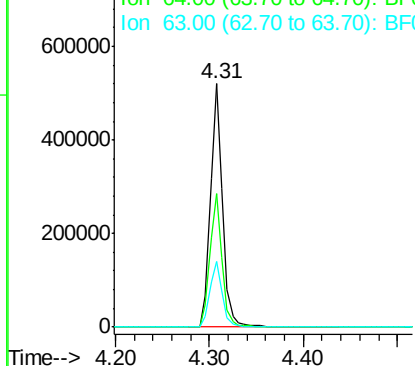
#5

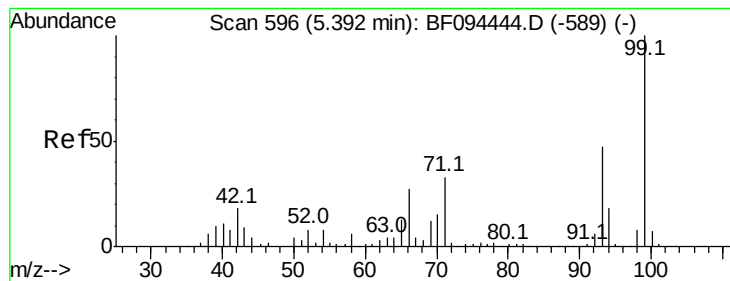
2-Fluorophenol
Concen: 60.19 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:112 Resp: 472447
Ion Ratio Lower Upper
112 100
64 55.1 46.0 69.0
63 27.1 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: 62.56 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

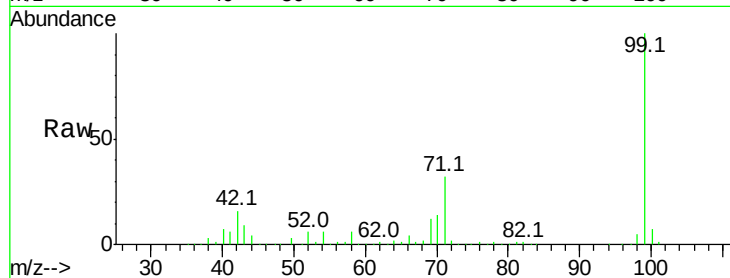
Tot Ion: 99 Resp: 578924

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

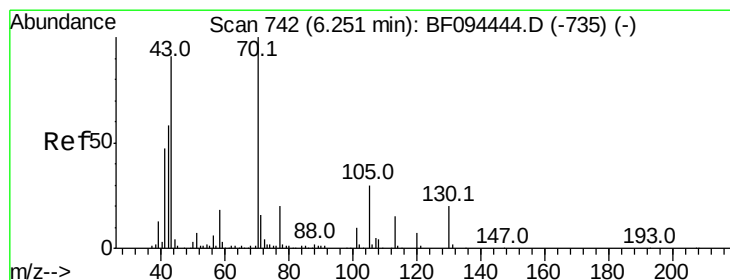
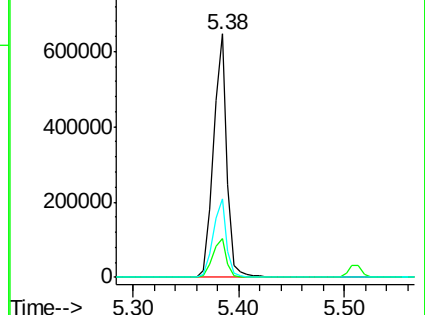
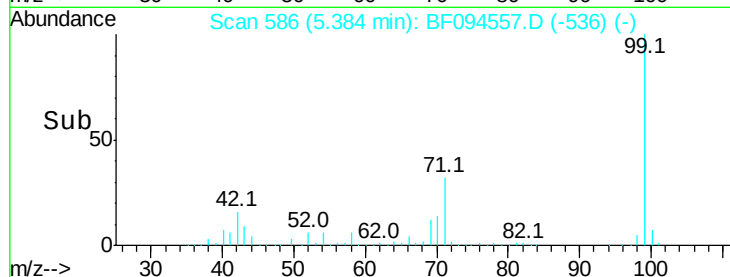
71 32.4 24.5 36.7



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: 7.19 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Tgt Ion: 70 Resp: 44084

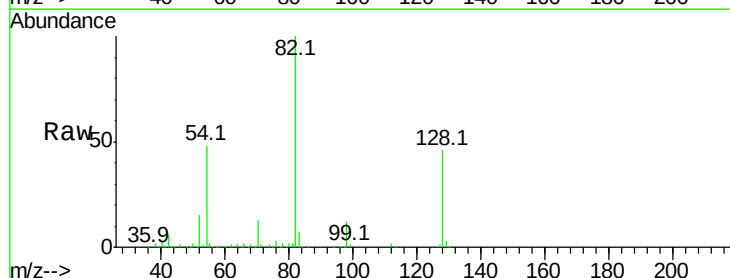
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

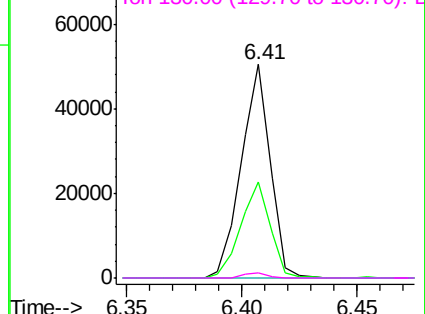
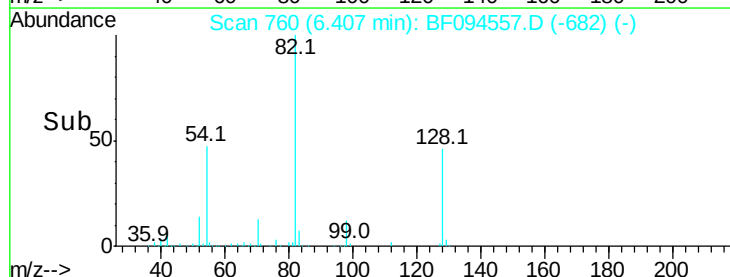


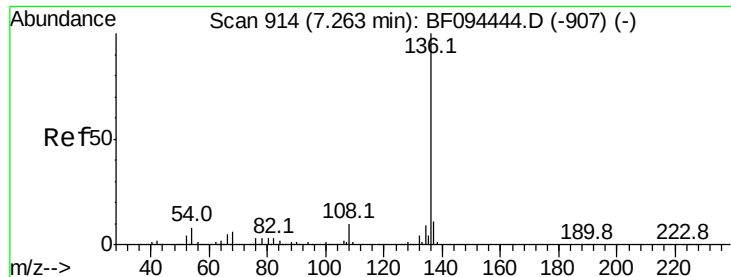
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 512204

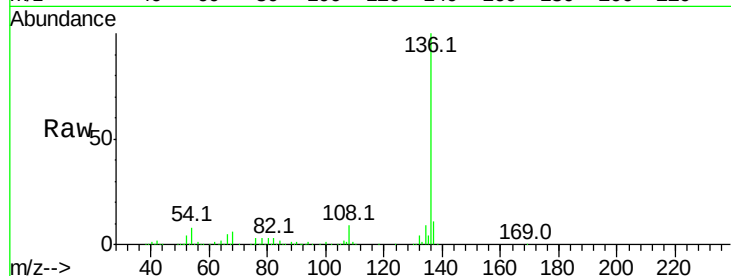
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 5.6 4.1 6.1

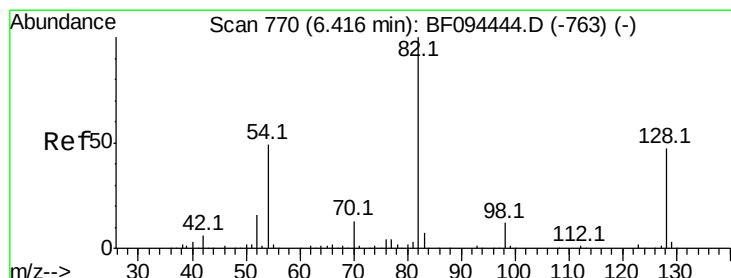
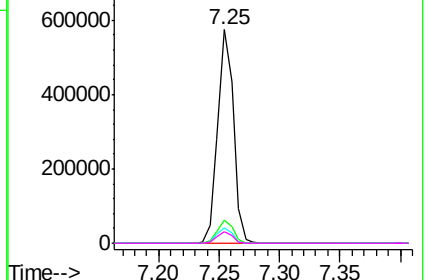
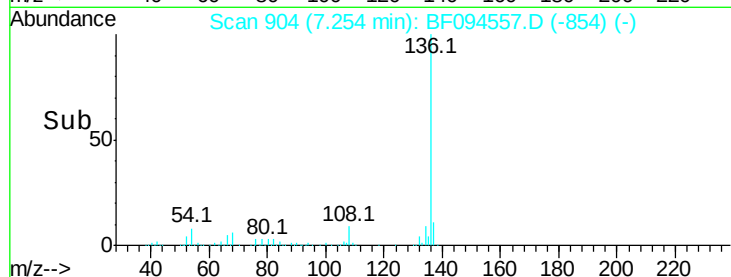


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 41.61 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

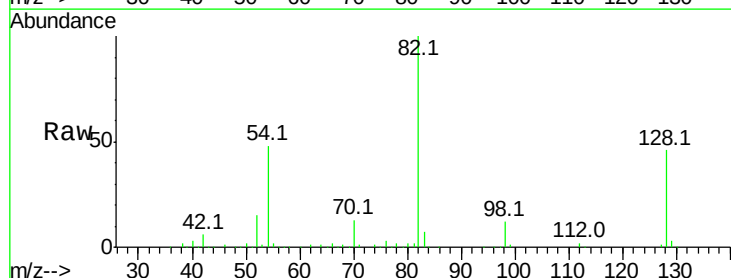
Tgt Ion: 82 Resp: 345178

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

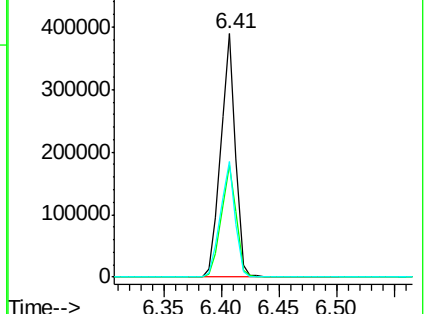
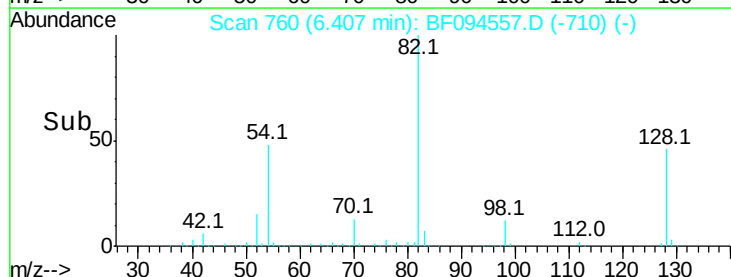
54 47.6 42.2 63.2

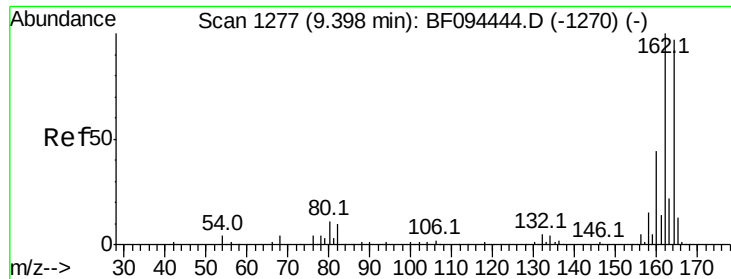


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

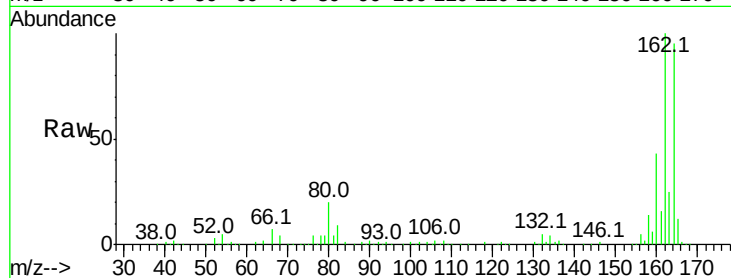
Tot Ion:164 Resp: 204699

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

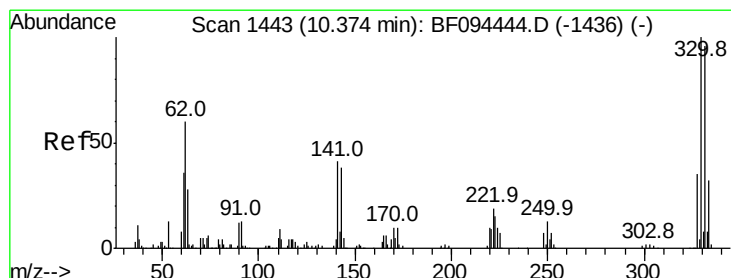
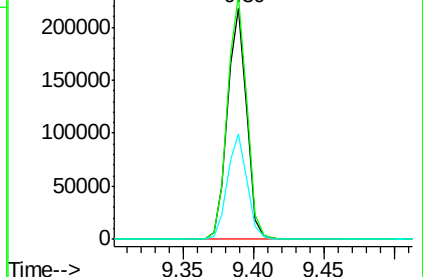
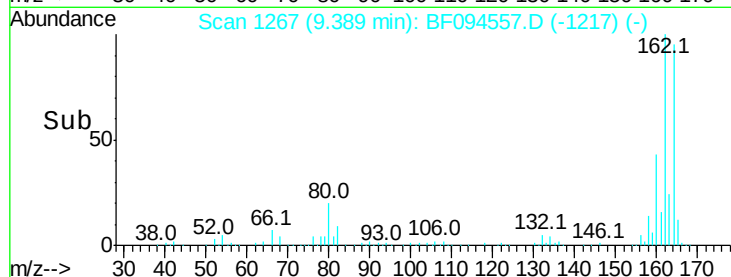
160 45.4 36.2 54.2



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: 60.69 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

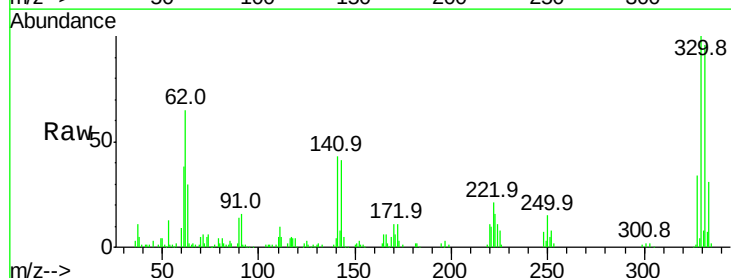
Tgt Ion:330 Resp: 97177

Ion Ratio Lower Upper

330 100

332 94.9 76.6 115.0

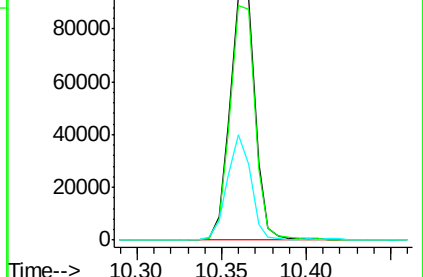
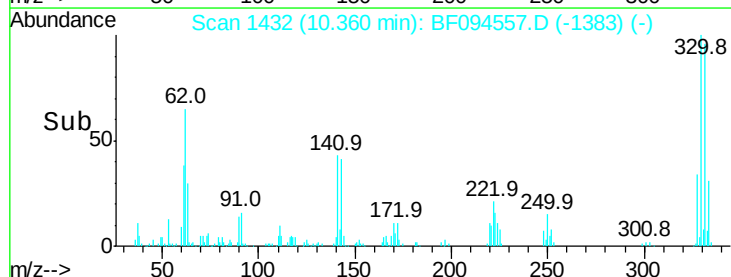
141 39.7 31.4 47.2

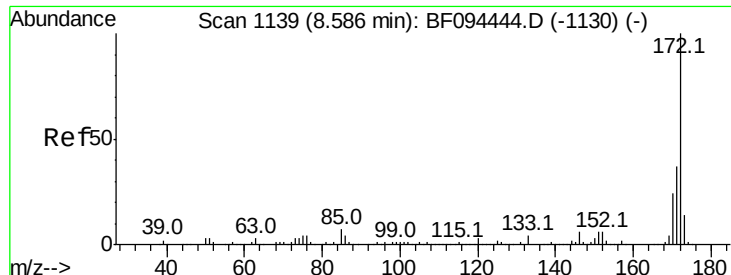


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

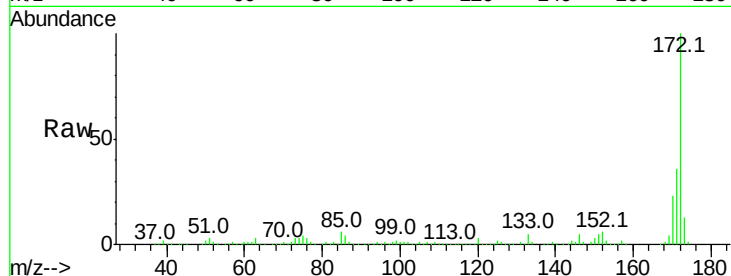




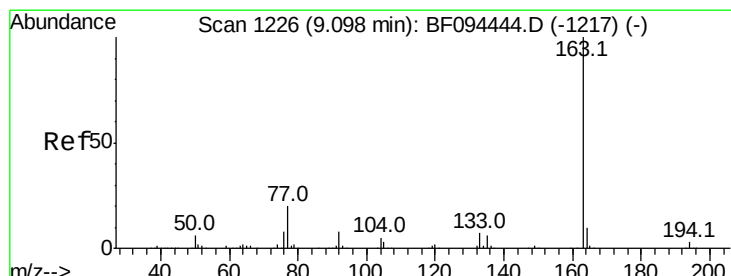
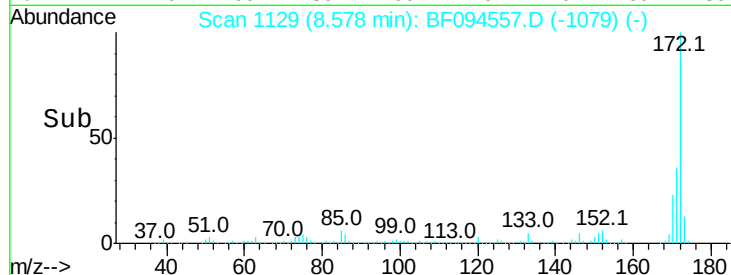
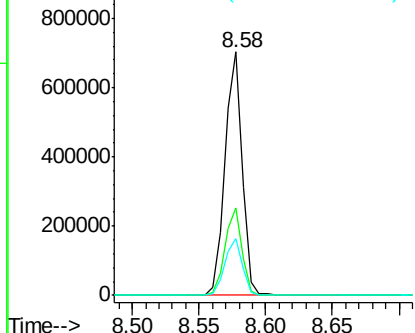
#44
2-Fluorobiphenyl
Concen: 46.30 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 644211
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.3 19.8 29.8

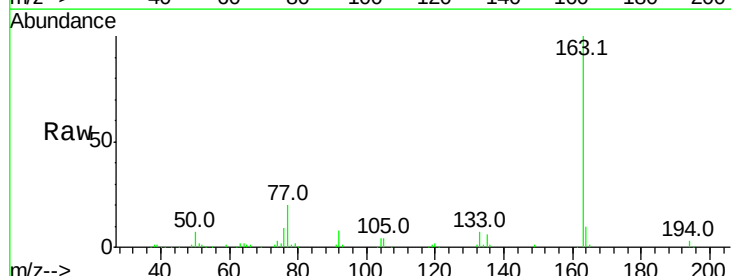


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

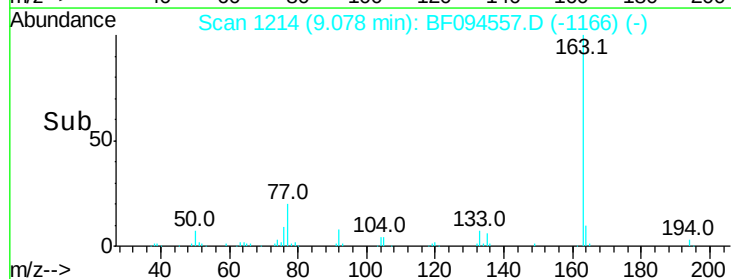
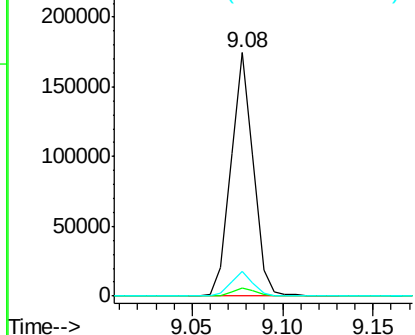


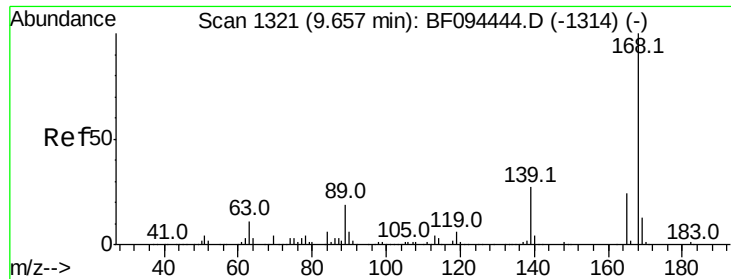
#49
Dimethylphthalate
Concen: 9.85 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:163 Resp: 150259
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.2 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

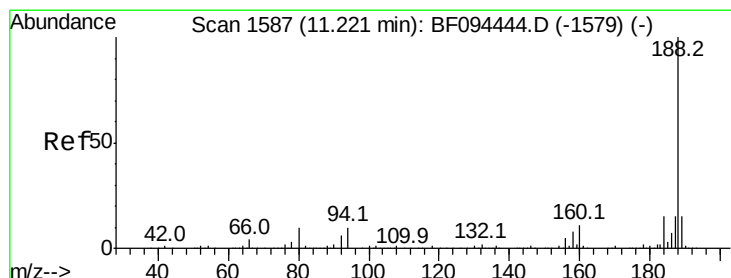
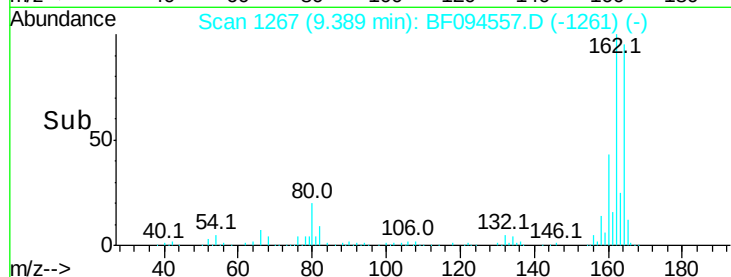
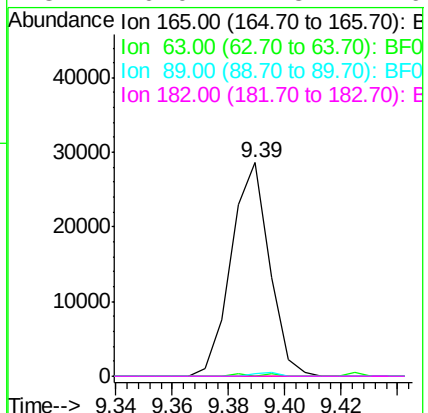
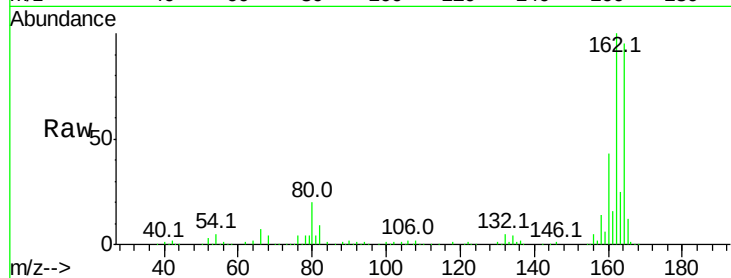




#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

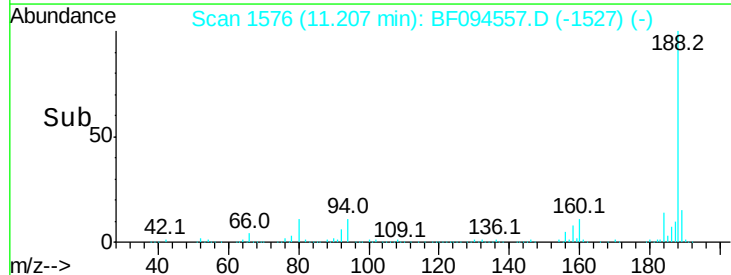
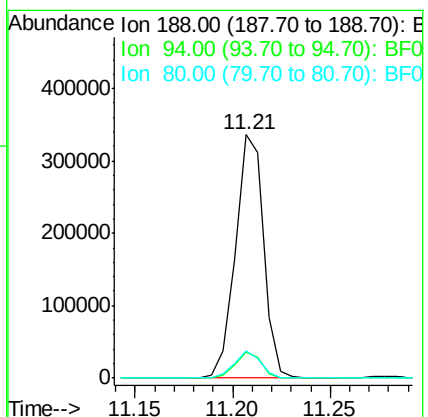
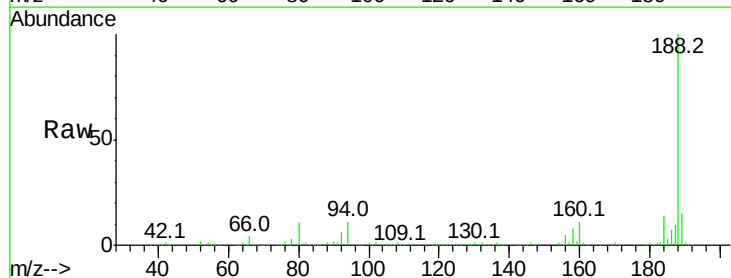
Instrument :
 BNA_F
 ClientSampleId :

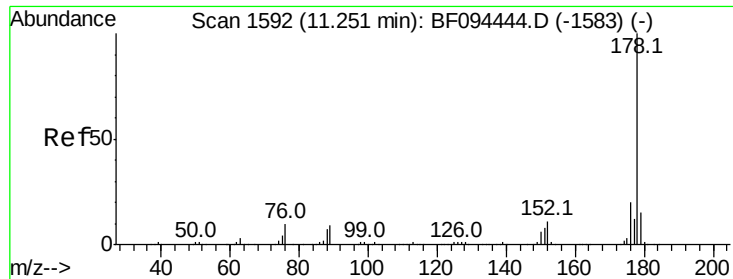
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.3	10.2	15.2

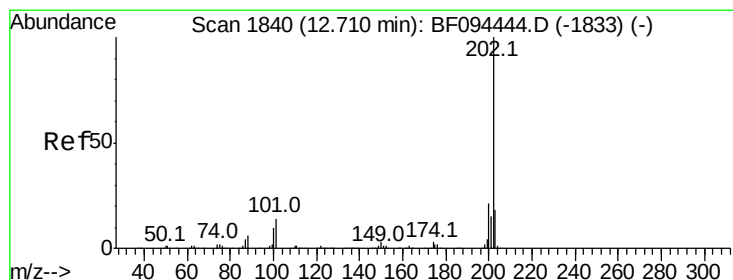
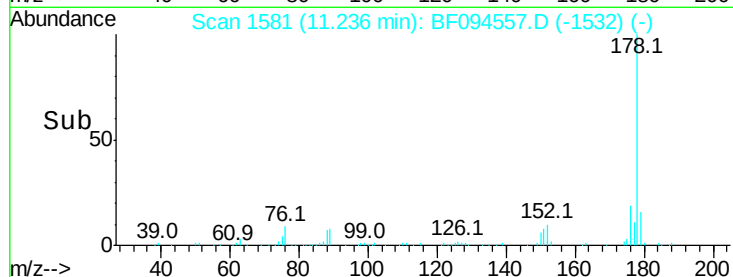
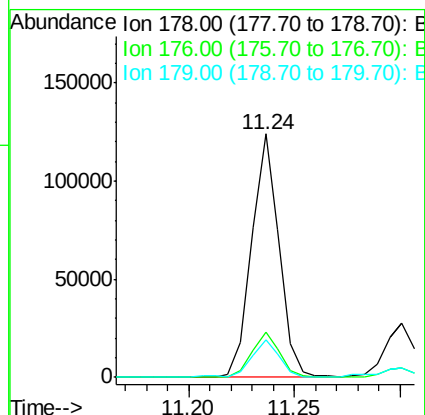
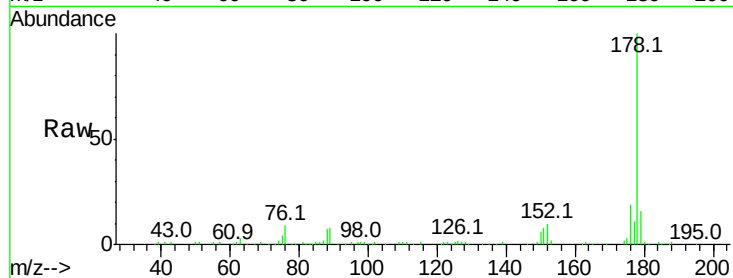




#70
Phenanthrene
Concen: 5.92 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

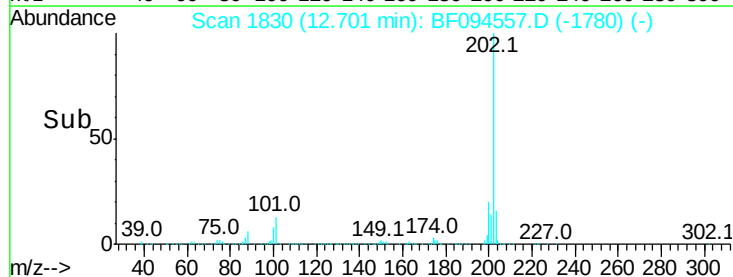
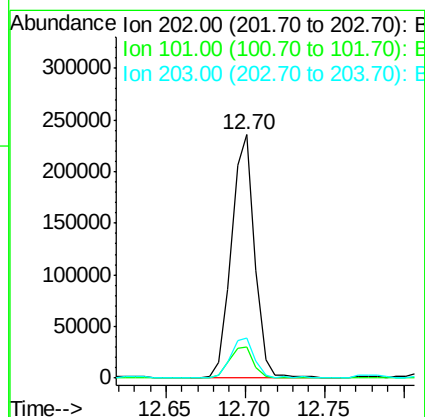
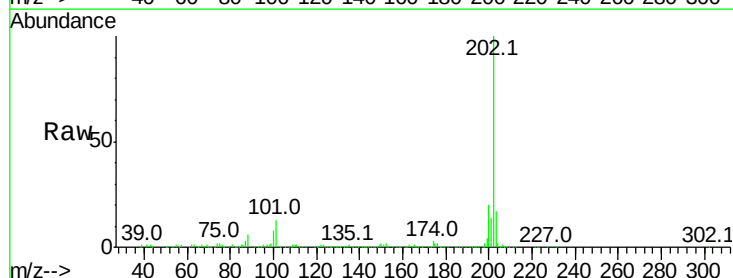
Instrument :
BNA_F
ClientSampleId :

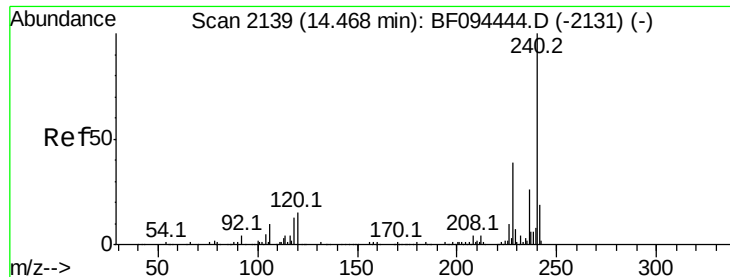
Tot Ion:178 Resp: 112037
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.6 12.6 19.0



#74
Fluoranthene
Concen: 12.09 ng
RT: 12.70 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:202 Resp: 236873
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 16.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

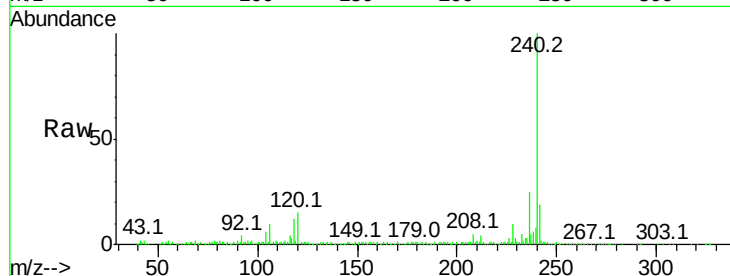
Tot Ion:240 Resp: 257637

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

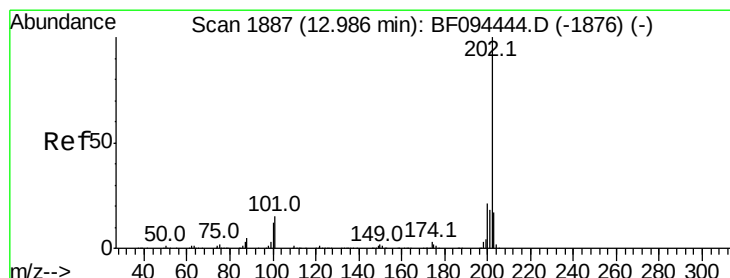
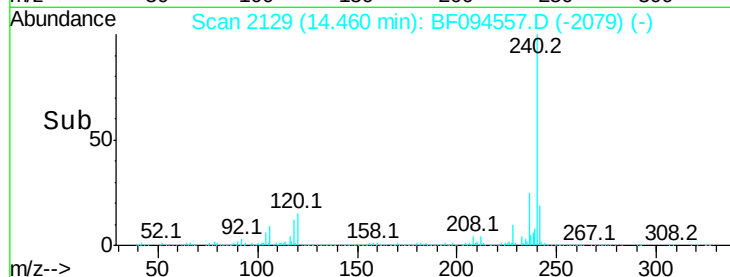
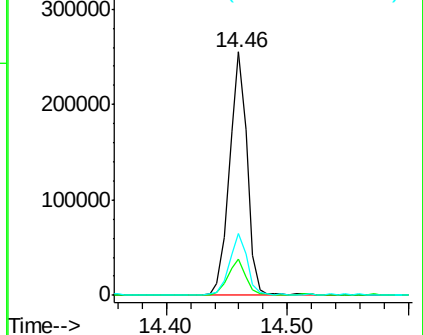
236 25.4 20.5 30.7



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: 14.47 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

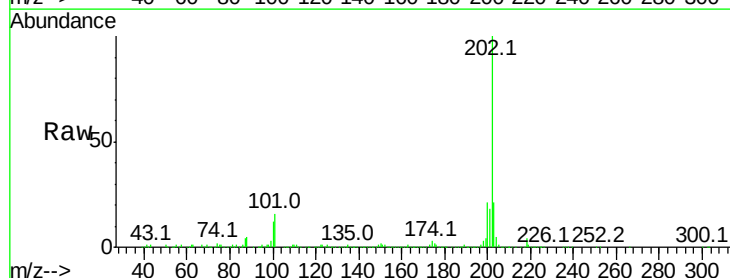
Tgt Ion:202 Resp: 260438

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

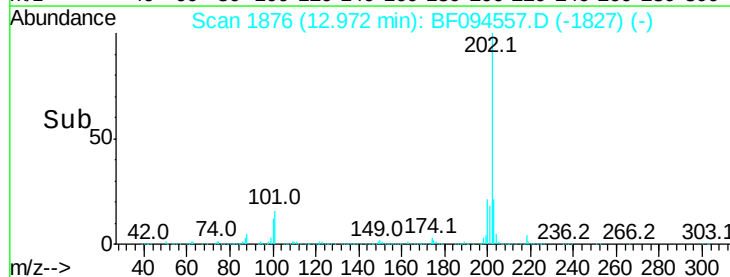
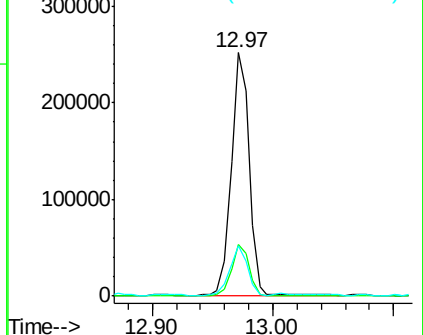
203 20.5 14.4 21.6

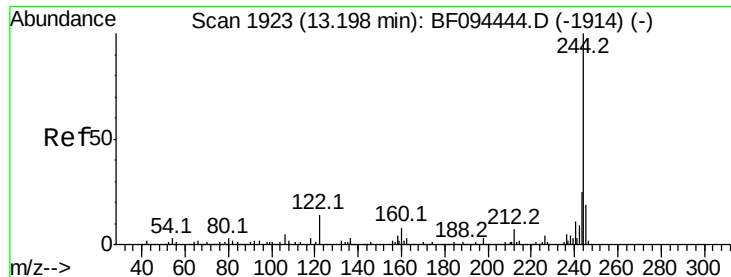


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.62 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

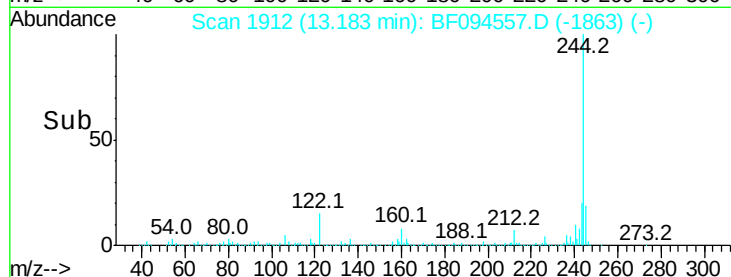
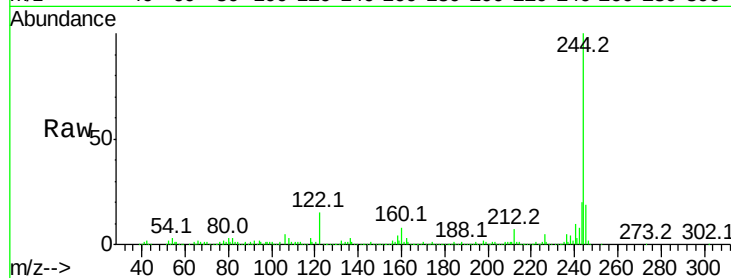
Tot Ion:244 Resp: 449400

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

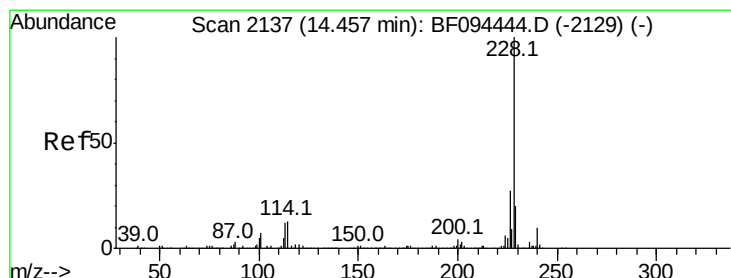
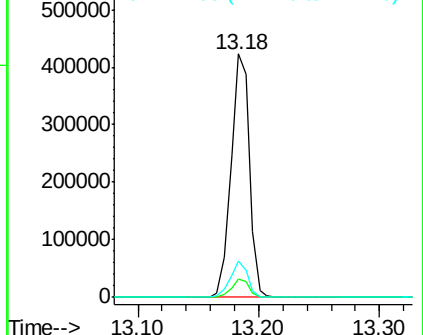
122 14.8 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 7.64 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

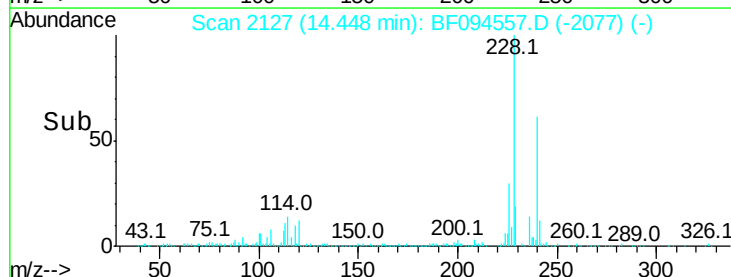
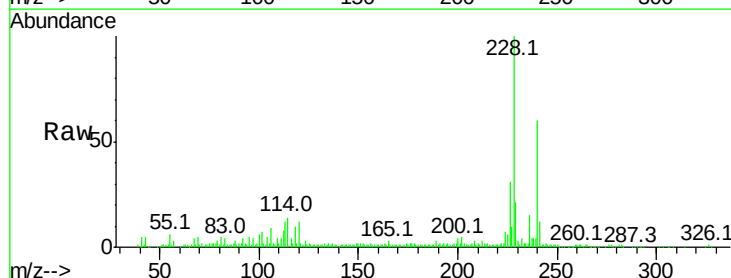
Tgt Ion:228 Resp: 114390

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

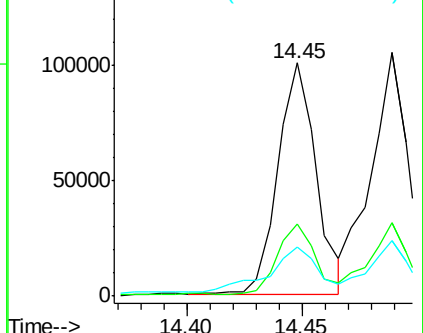
229 21.0 16.3 24.5

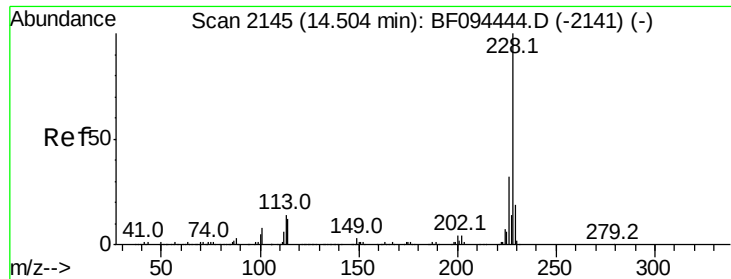


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

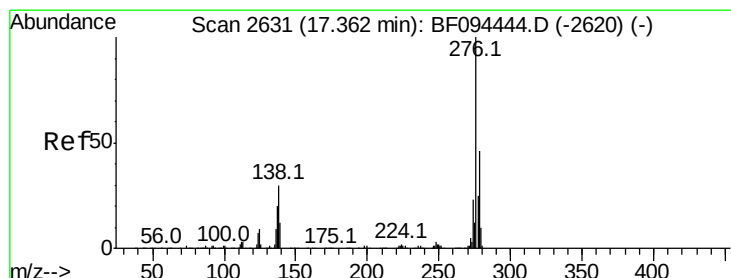
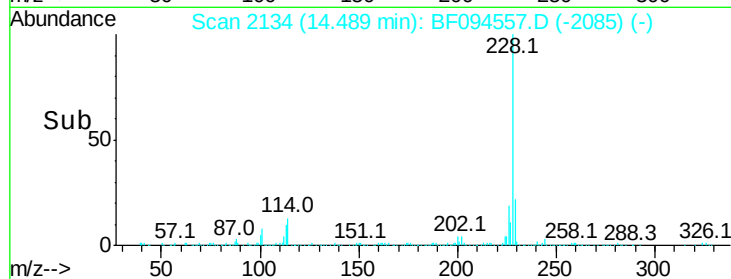
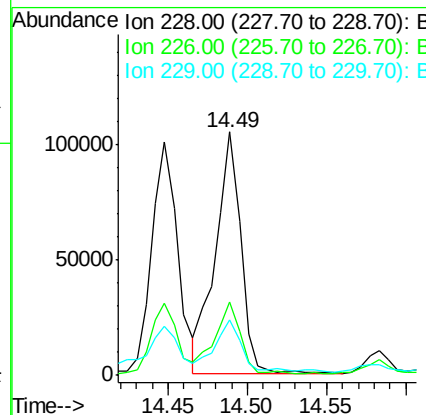
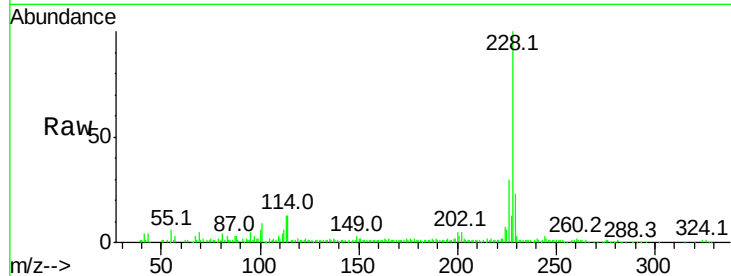




#82
Chrysene
Concen: 8.51 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

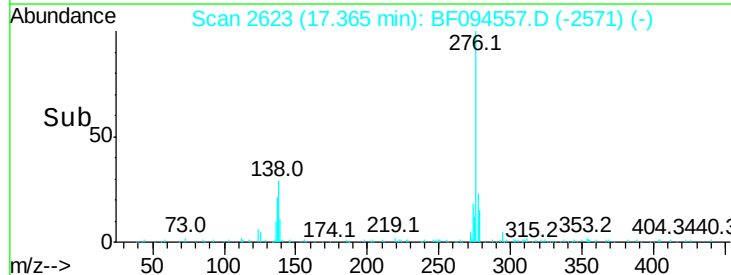
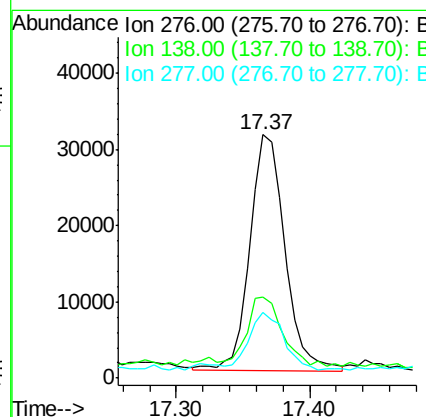
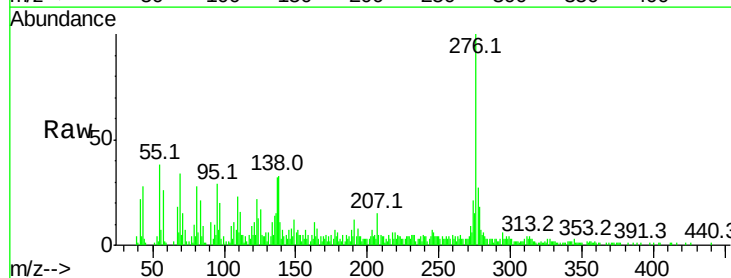
Instrument :
BNA_F
ClientSampled :

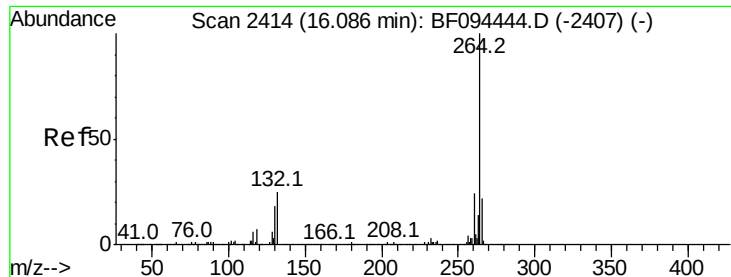
Tot Ion:228 Resp: 116477
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 22.6 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 17.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:276 Resp: 56318
Ion Ratio Lower Upper
276 100
138 29.8 27.8 41.6
277 24.0 20.2 30.4

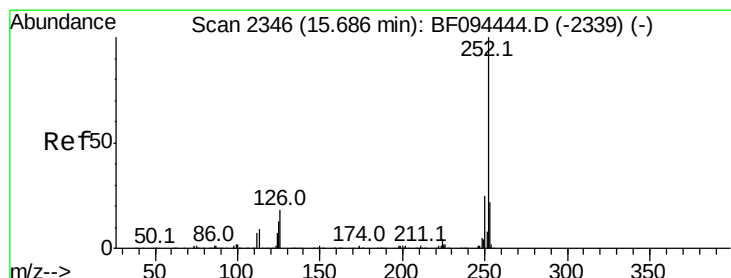
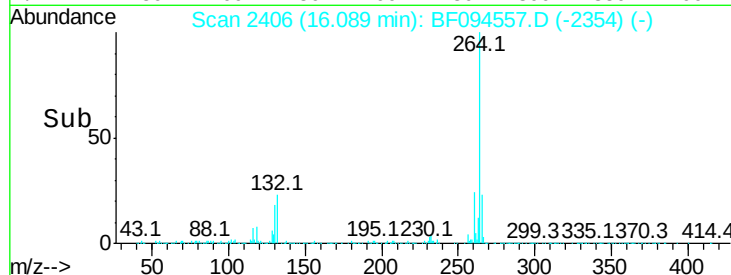
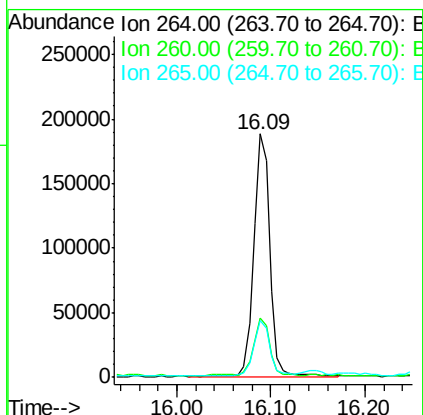
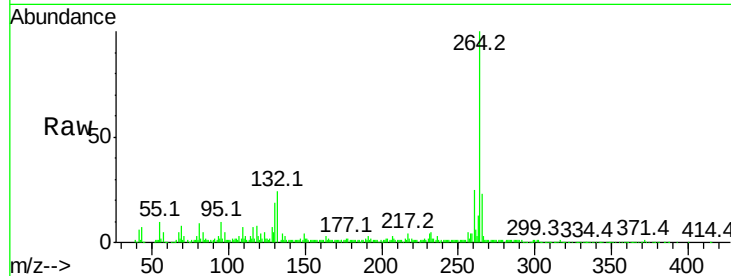




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

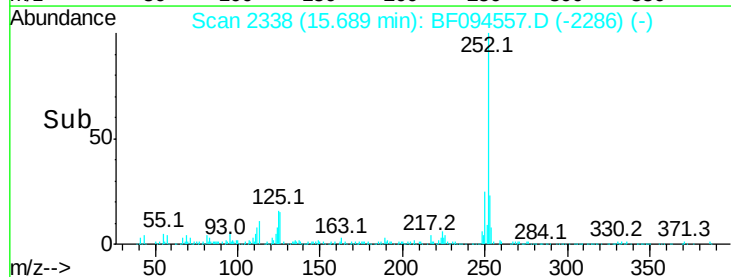
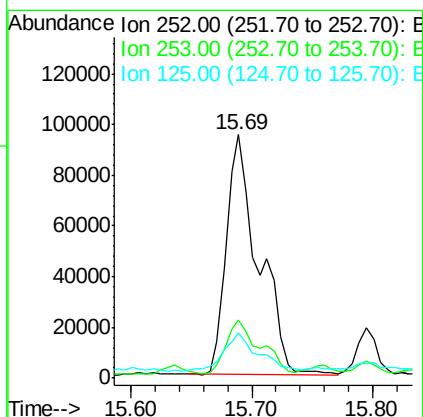
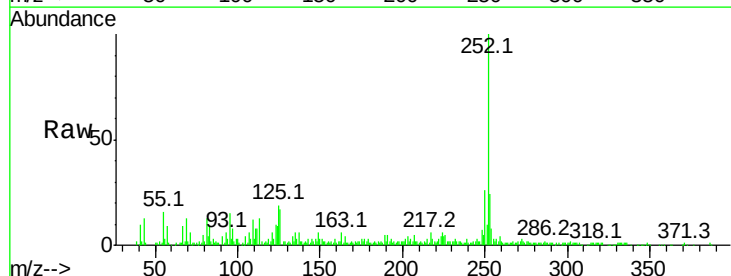
Instrument :
BNA_F
ClientSampled :

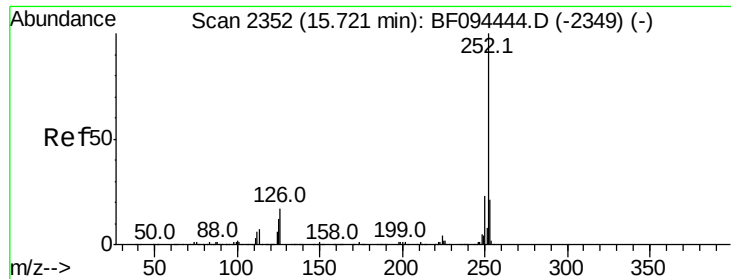
Tot Ion:264 Resp: 220421
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 23.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.94 ng
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:252 Resp: 174424
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 18.6 9.8 14.8#

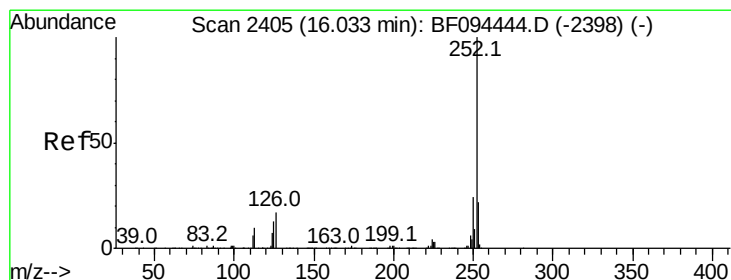
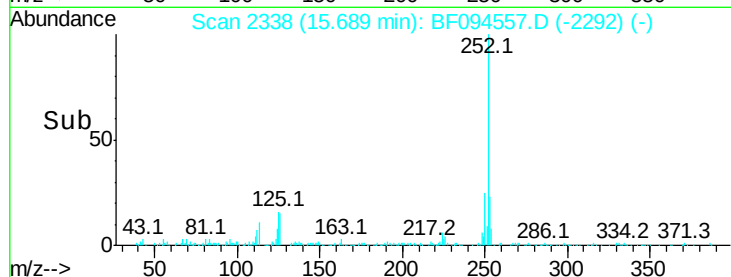
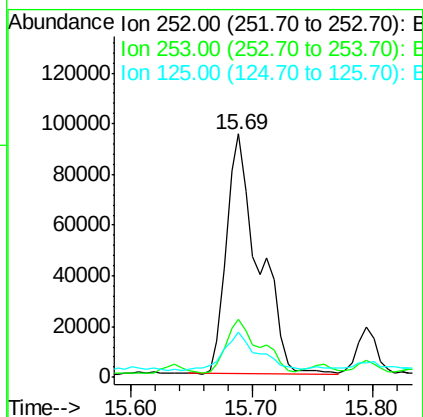
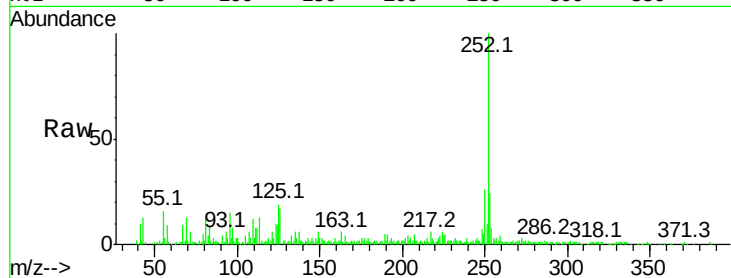




#88
Benzo(k)fluoranthene
Concen: 13.67 ng
RT: 15.69 min Scan# 2338
Delta R.T. -0.03 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

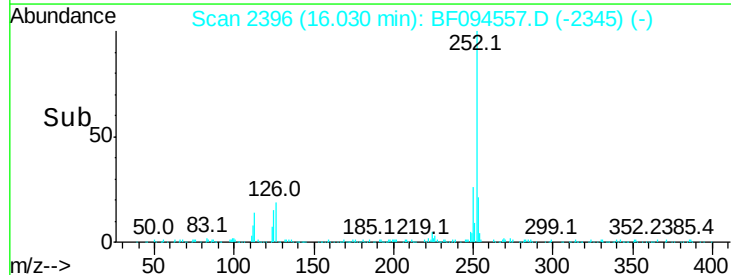
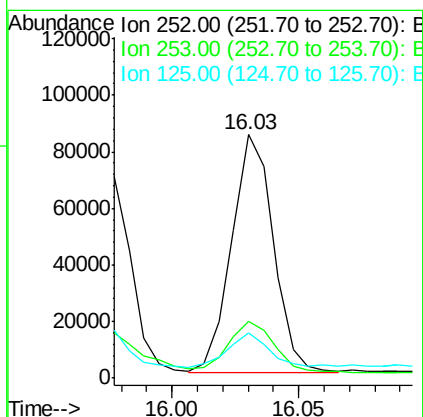
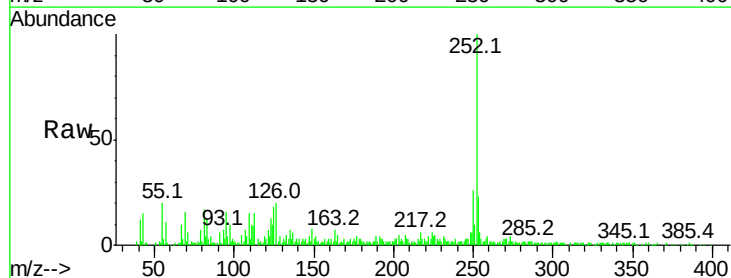
Instrument :
BNA_F
ClientSampleId :

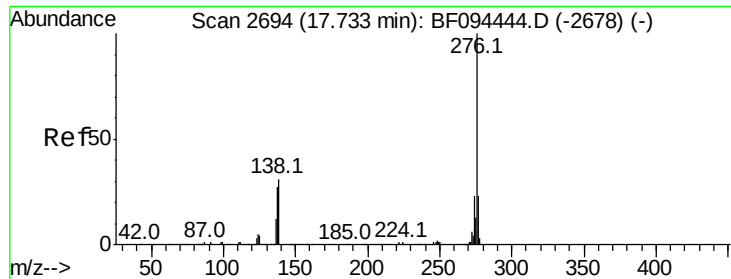
Tot Ion:252 Resp: 174424
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 18.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 7.69 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:252 Resp: 96492
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 18.5 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 5.35 ng

RT: 17.74 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

ClientSampleId :

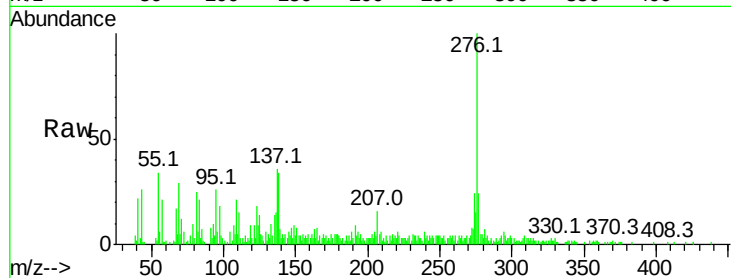
Tot Ion:276 Resp: 56695

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 34.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

