

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094474.D
 Acq On : 18 Apr 2017 2:38
 Operator : SJ/MA
 Sample : I2708-16 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 04:38:28 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

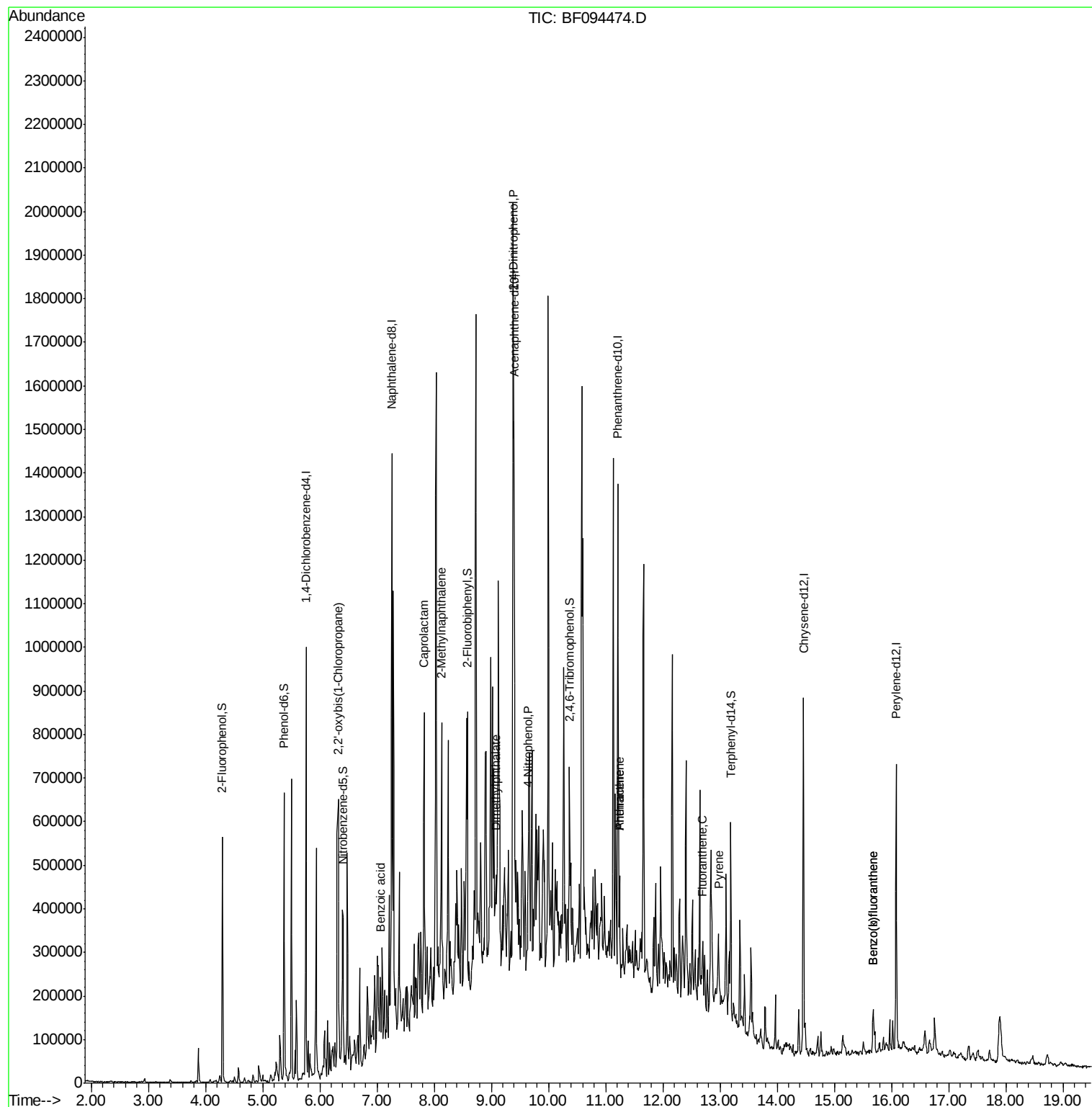
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	155712	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	615410	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	244716	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	425287	20.00	ng	0.00
75) Chrysene-d12	14.46	240	305602	20.00	ng	0.00
86) Perylene-d12	16.09	264	265658	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.29	112	165950	17.68	ng	-0.01
7) Phenol-d6	5.37	99	213990	19.34	ng	-0.02
23) Nitrobenzene-d5	6.40	82	118216	11.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.37	330	31755	16.59	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	216880	13.04	ng	0.00
78) Terphenyl-d14	13.19	244	159509	13.95	ng	0.00
Target Compounds						Qvalue
16) 2,2'-oxybis(1-Chloropropan	6.32	45	37580	2.89	ng	# 1
32) Benzoic acid	7.05	122	27591	5.70	ng	# 34
35) Caprolactam	7.82	113	15081	5.63	ng	# 27
37) 2-Methylnaphthalene	8.13	142	160703	7.94	ng	99
49) Dimethylphthalate	9.08	163	72624	3.98	ng	# 99
53) 2,4-Dinitrophenol	9.37	184	271	5.87	ng	# 1
55) 4-Nitrophenol	9.65	139	13802	4.13	ng	# 69
70) Phenanthrene	11.25	178	90535	3.78	ng	99
71) Anthracene	11.25	178	90535	3.65	ng	100
74) Fluoranthene	12.70	202	67823	2.73	ng	99
77) Pyrene	12.97	202	65140	3.05	ng	97
87) Benzo(b)fluoranthene	15.68	252	61489	3.78	ng	# 95
88) Benzo(k)fluoranthene	15.68	252	61489	4.00	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: 5.76 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :
BNA_F
ClientSampleId :

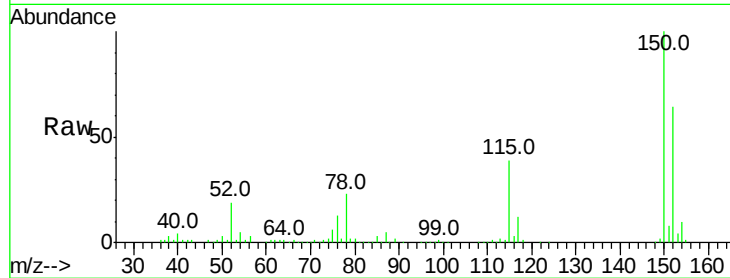
Tot Ion:152 Resp: 155712

Ion Ratio Lower Upper

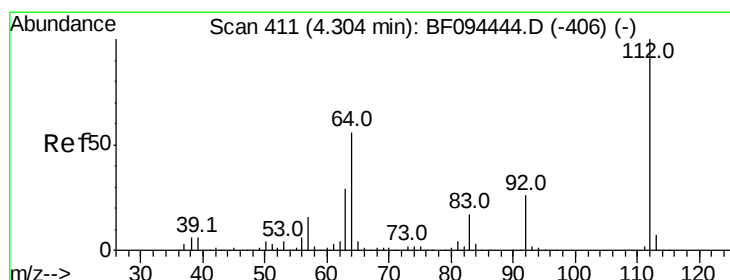
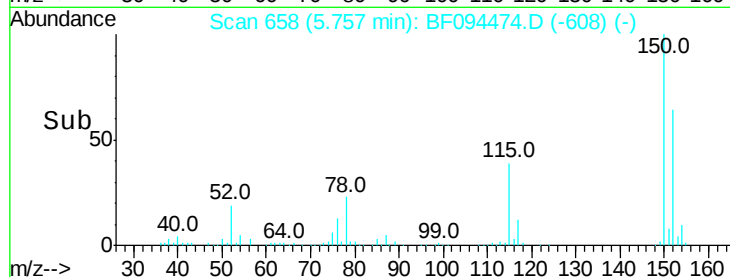
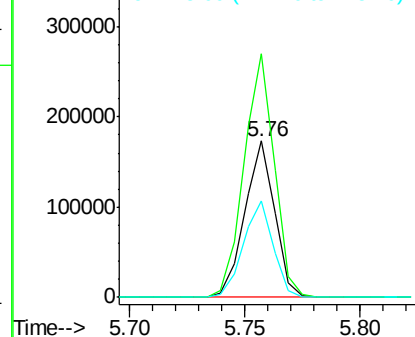
152 100

150 156.0 126.2 189.2

115 61.5 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: 17.68 ng

RT: 4.29 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

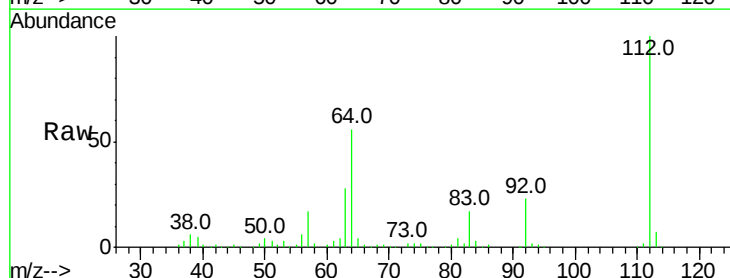
Tgt Ion:112 Resp: 165950

Ion Ratio Lower Upper

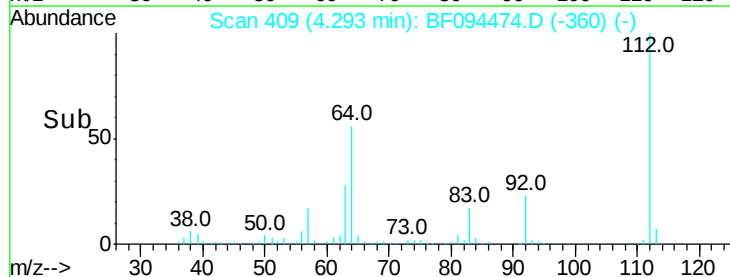
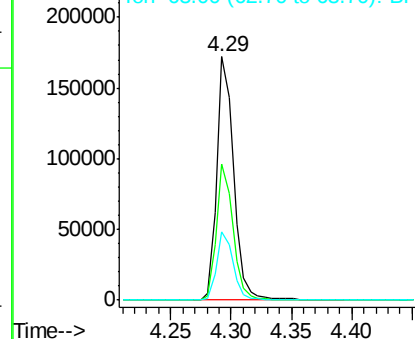
112 100

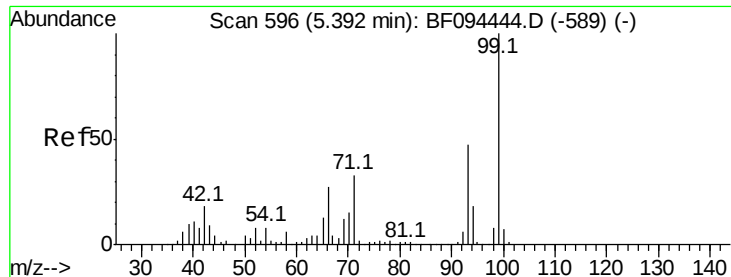
64 55.7 46.0 69.0

63 27.8 23.4 35.0



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





#7

Phenol-d6

Concen: 19.34 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

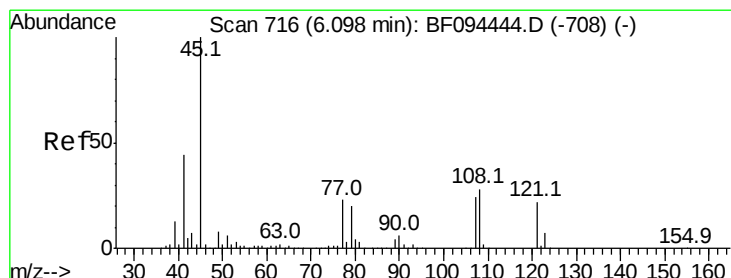
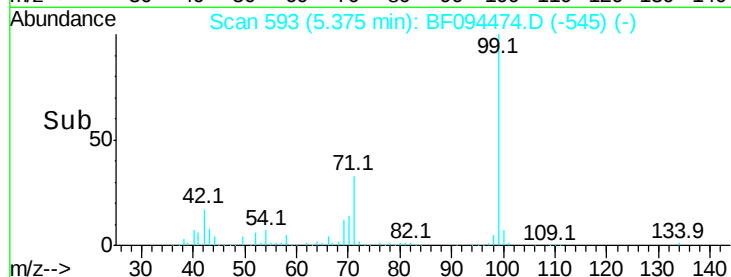
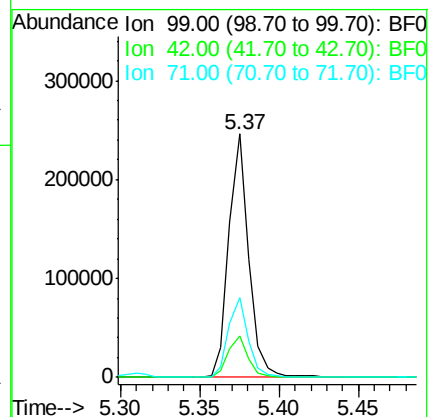
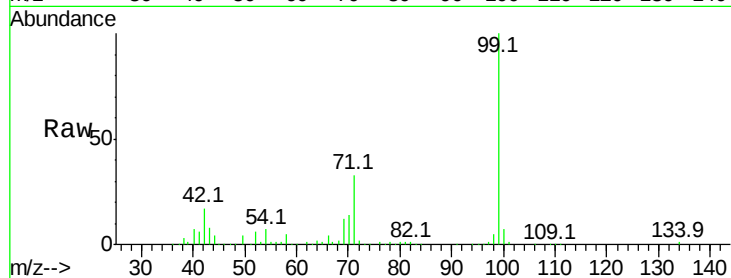
Tot Ion: 99 Resp: 213990

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 32.6 24.5 36.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.89 ng

RT: 6.32 min Scan# 754

Delta R.T. 0.22 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

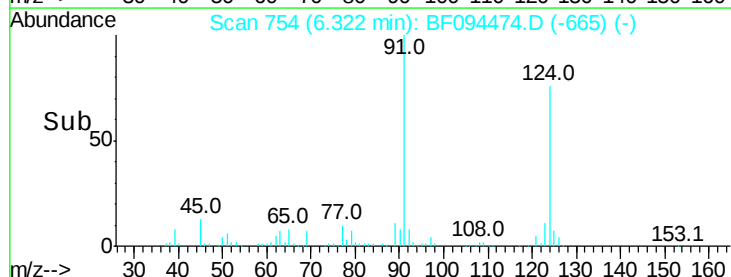
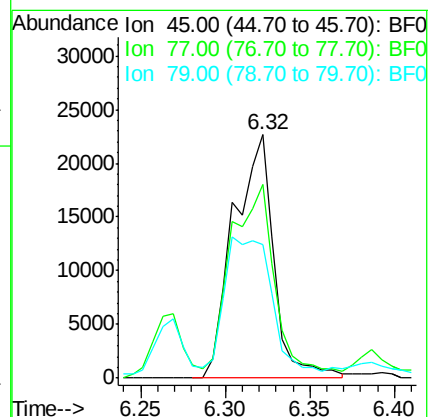
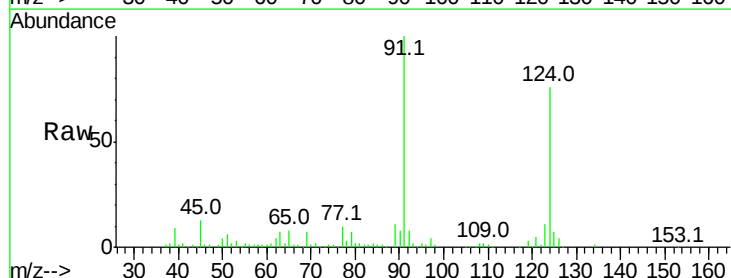
Tgt Ion: 45 Resp: 37580

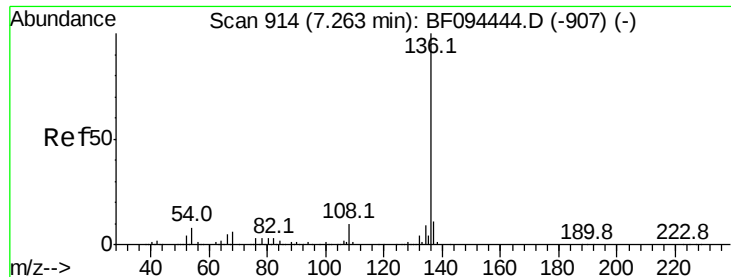
Ion Ratio Lower Upper

45 100

77 79.5 0.0 33.2#

79 54.9 0.0 30.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 615410

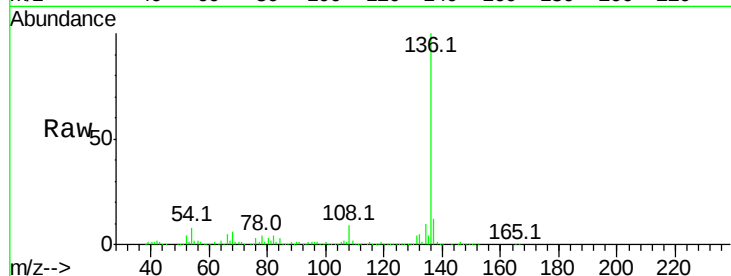
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 7.8 4.9 7.3#

68 6.1 4.1 6.1#

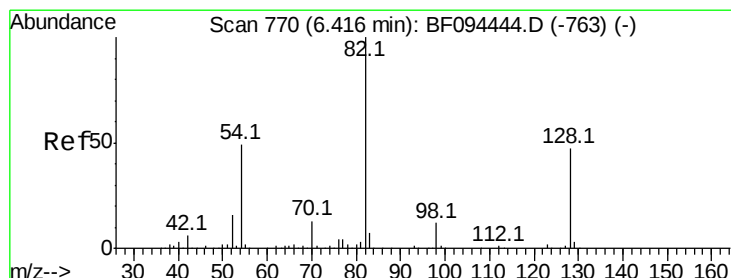
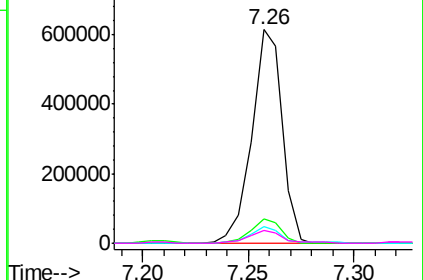
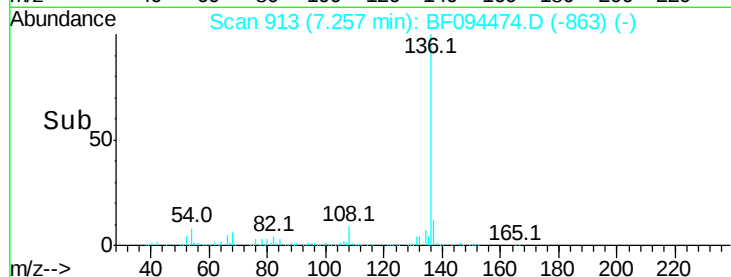


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.86 ng

RT: 6.40 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

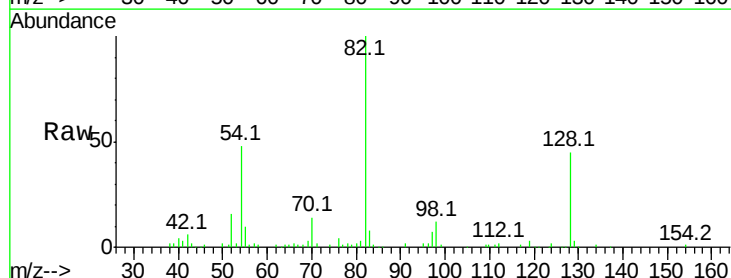
Tgt Ion: 82 Resp: 118216

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

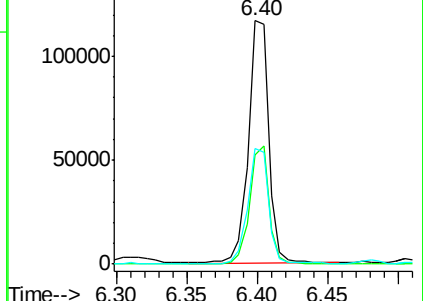
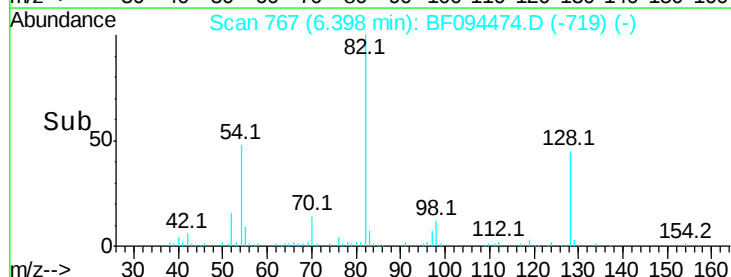
54 47.7 42.2 63.2

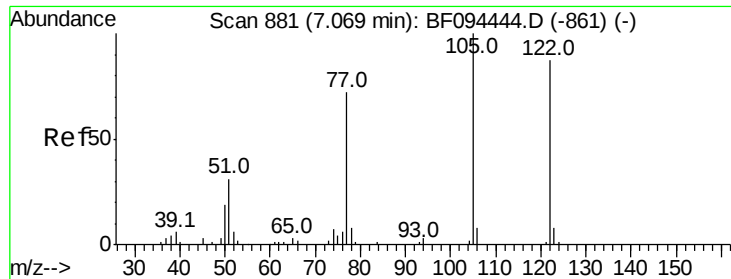


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 5.70 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

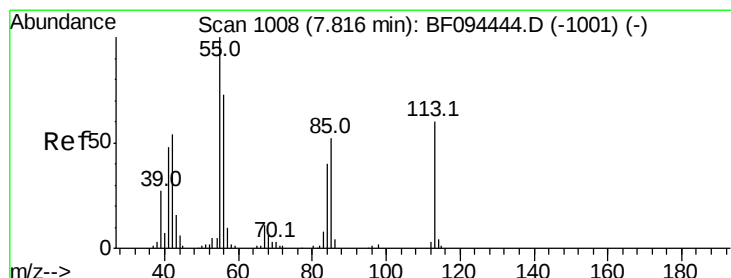
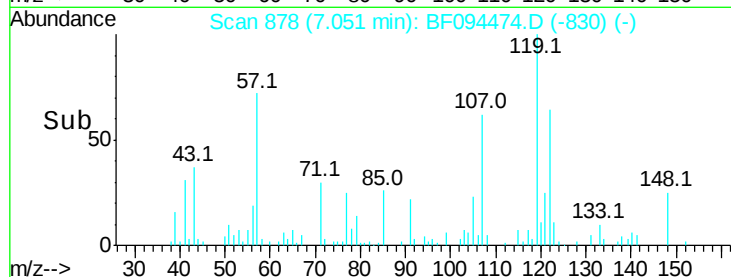
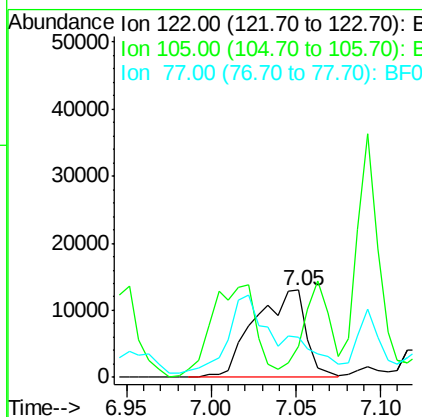
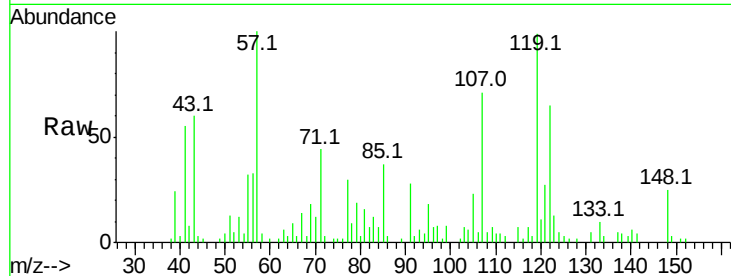
Tot Ion:122 Resp: 27591

Ion Ratio Lower Upper

122 100

105 35.0 103.3 143.3#

77 46.0 73.7 113.7#



#35

Caprolactam

Concen: 5.63 ng

RT: 7.82 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

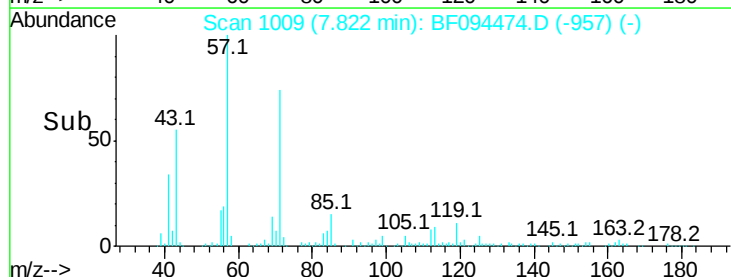
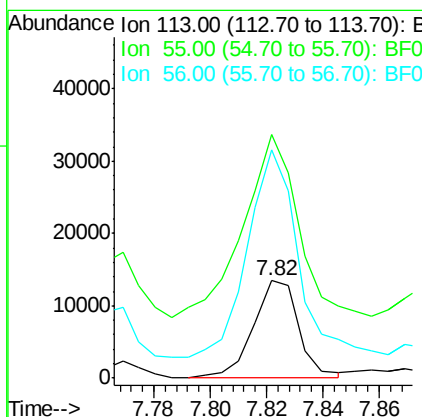
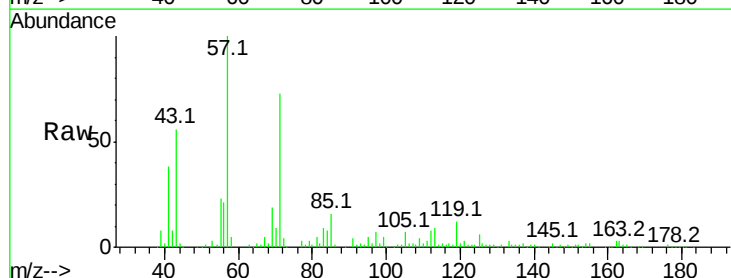
Tgt Ion:113 Resp: 15081

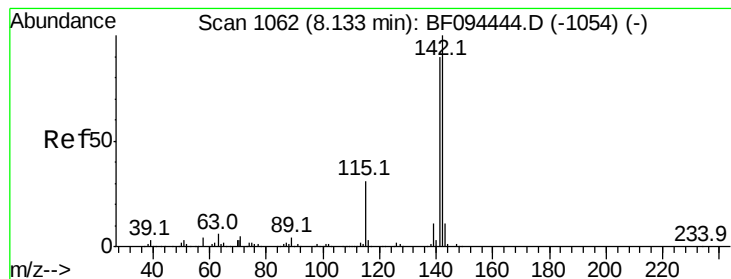
Ion Ratio Lower Upper

113 100

55 250.4 150.2 190.2#

56 235.4 107.8 147.8#

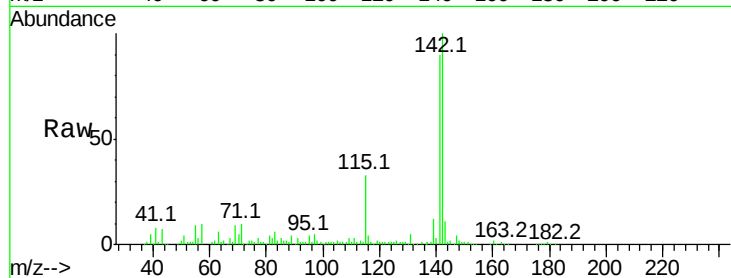




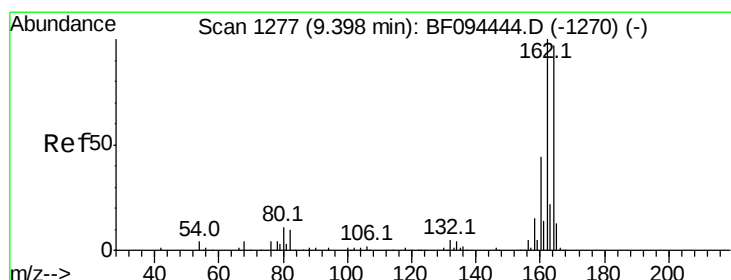
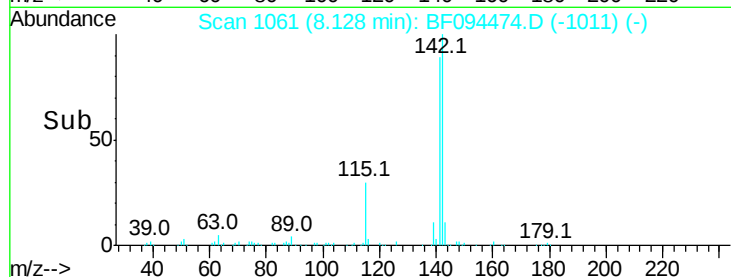
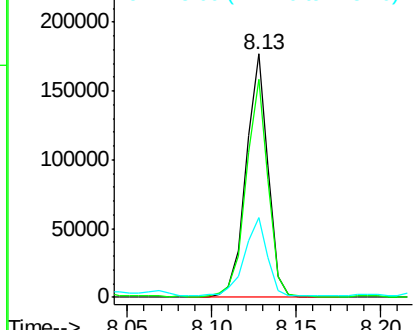
#37
 2-Methylnaphthalene
 Concen: 7.94 ng
 RT: 8.13 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF094474.D
 Acq: 18 Apr 2017 2:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9
115	32.6	27.1	40.7

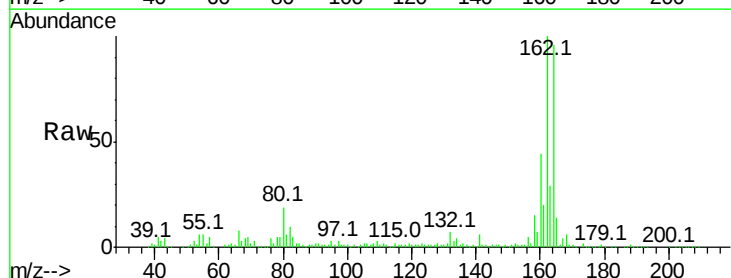


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

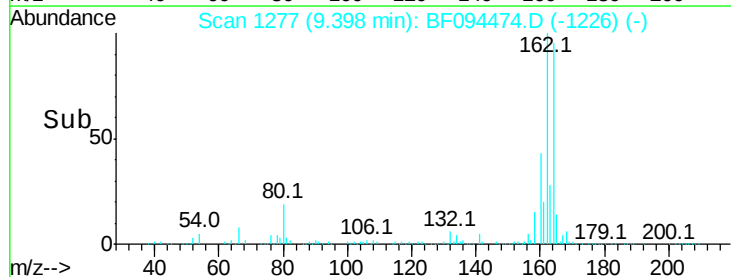
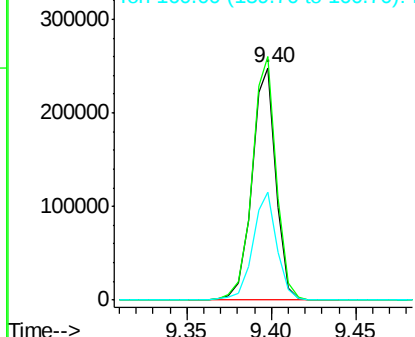


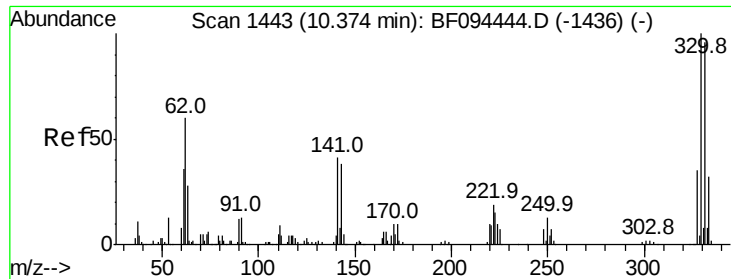
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: BF094474.D
 Acq: 18 Apr 2017 2:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.6	123.8
160	46.2	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

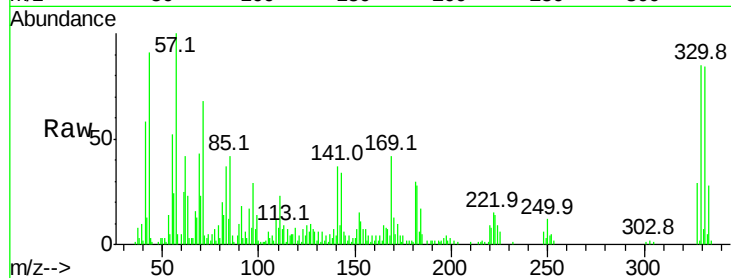




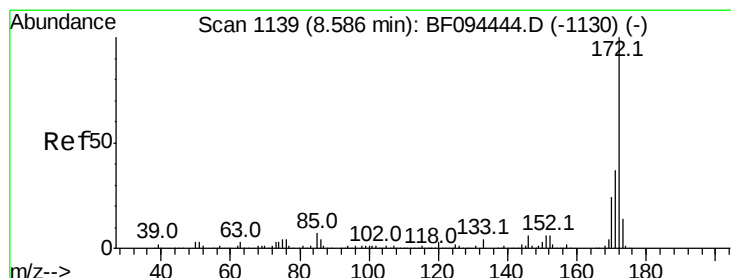
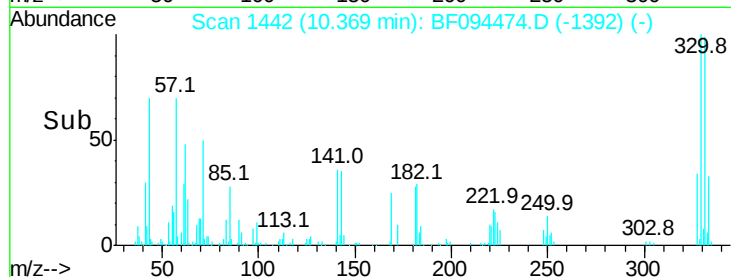
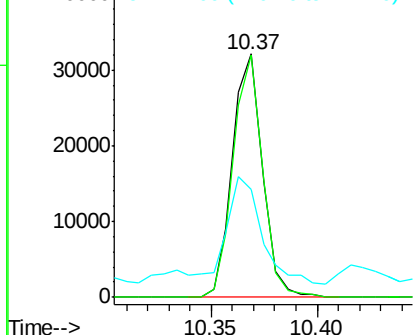
#41
 2,4,6-Tribromophenol
 Concen: 16.59 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094474.D
 Acq: 18 Apr 2017 2:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 31755
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 50.9 31.4 47.2#

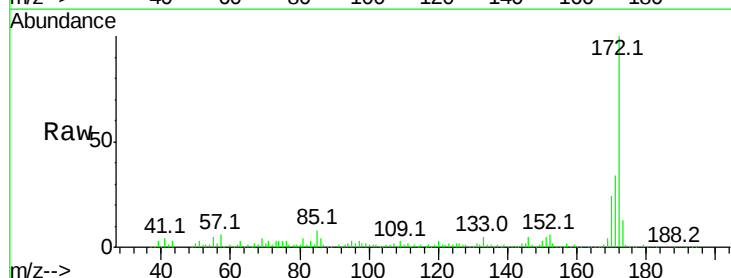


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

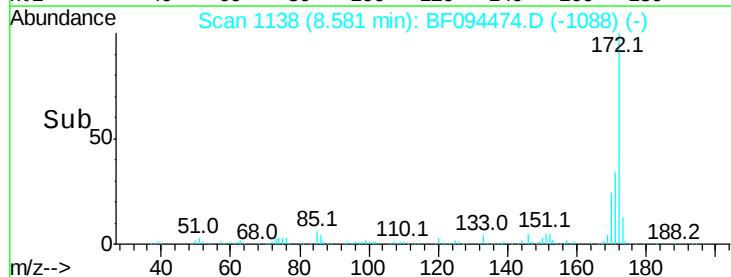
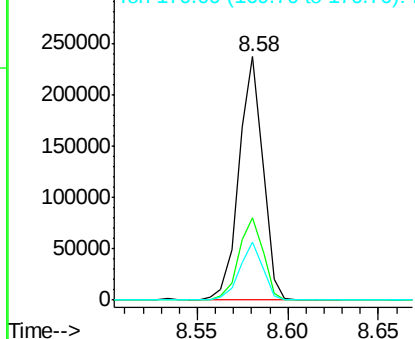


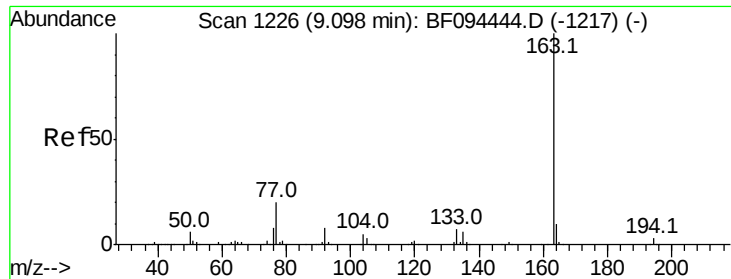
#44
 2-Fluorobiphenyl
 Concen: 13.04 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094474.D
 Acq: 18 Apr 2017 2:38

Tgt Ion:172 Resp: 216880
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 23.6 19.8 29.8



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

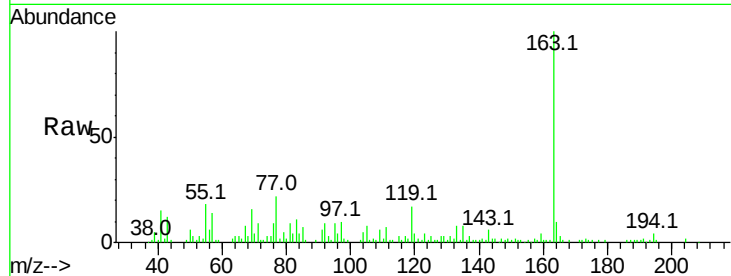




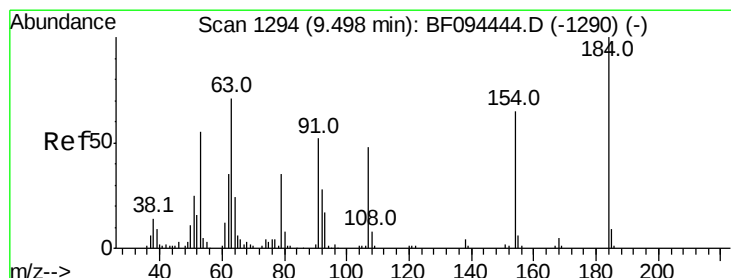
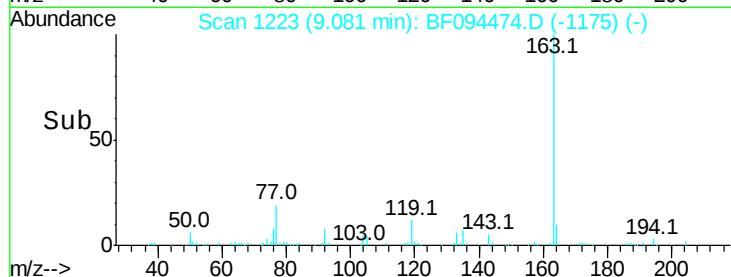
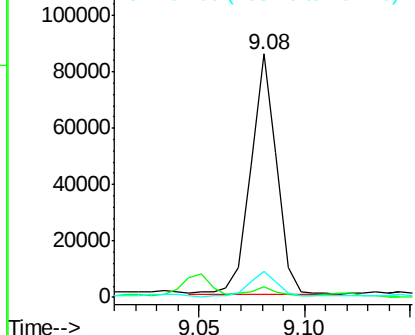
#49
Dimethylphthalate
Concen: 3.98 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF094474.D
Acq: 18 Apr 2017 2:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72624
Ion Ratio Lower Upper
163 100
194 4.2 2.6 4.0#
164 10.4 8.4 12.6

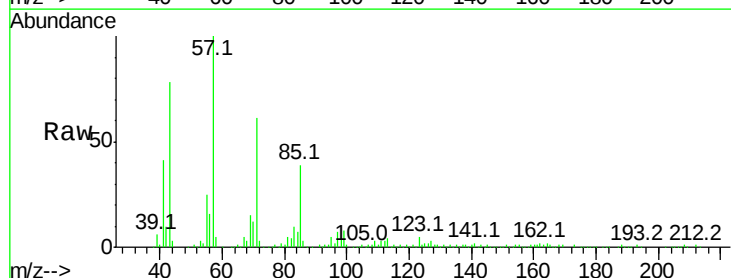


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

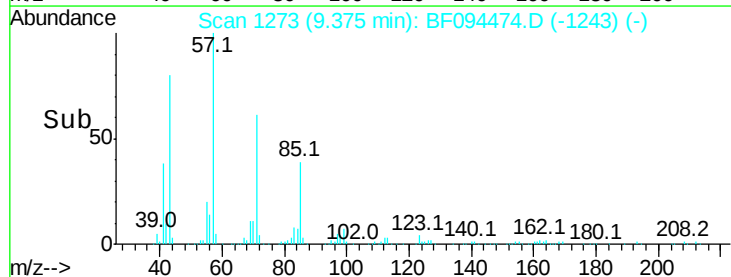
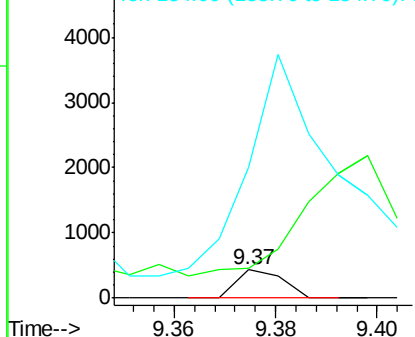


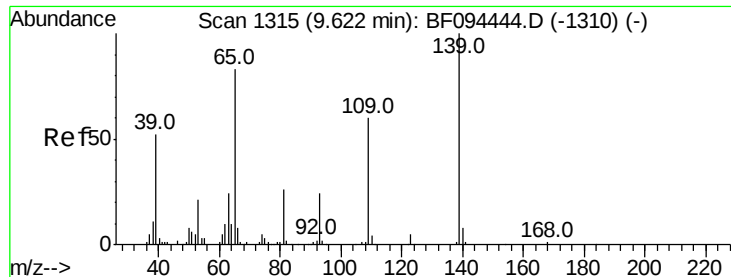
#53
2,4-Dinitrophenol
Concen: 5.87 ng
RT: 9.37 min Scan# 1273
Delta R.T. -0.12 min
Lab File: BF094474.D
Acq: 18 Apr 2017 2:38

Tgt Ion:184 Resp: 271
Ion Ratio Lower Upper
184 100
63 105.8 62.7 94.1#
154 462.0 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 4.13 ng

RT: 9.65 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampled :

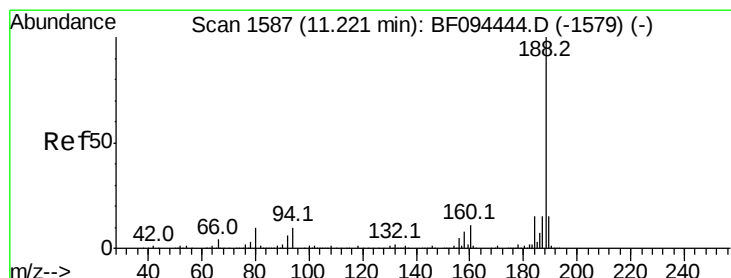
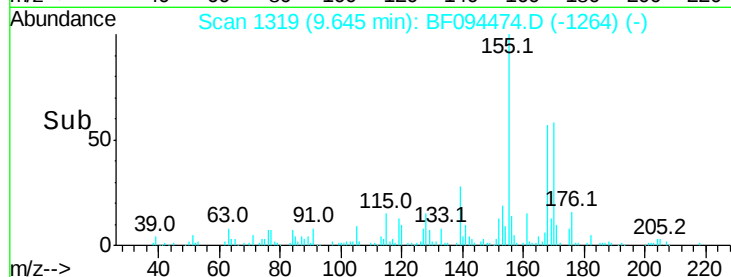
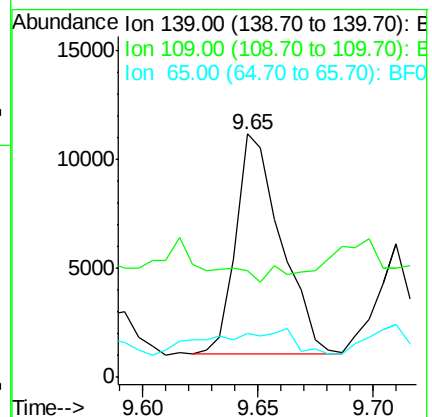
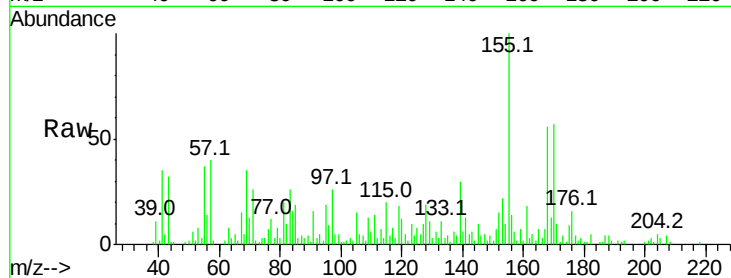
Tot Ion:139 Resp: 13802

Ion Ratio Lower Upper

139 100

109 43.8 34.1 74.1

65 17.8 31.4 71.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

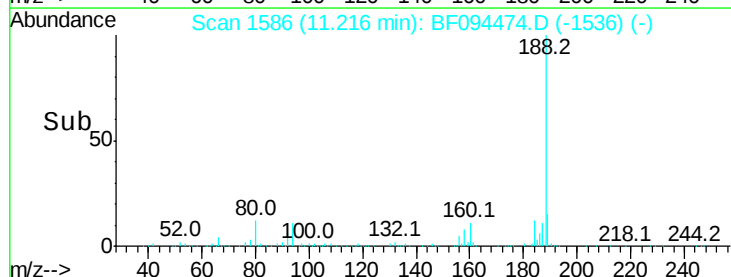
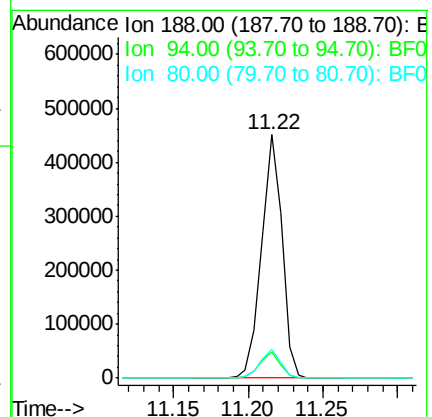
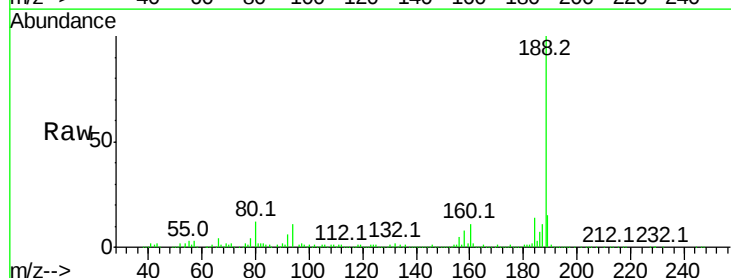
Tgt Ion:188 Resp: 425287

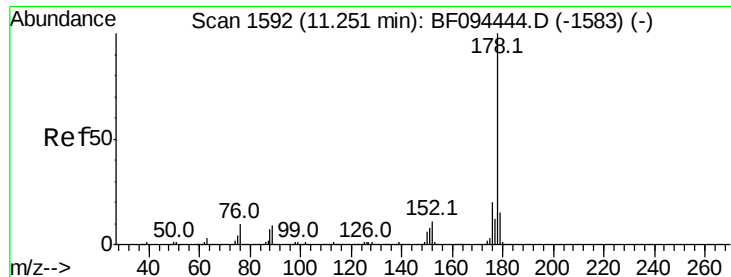
Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

80 11.8 10.2 15.2

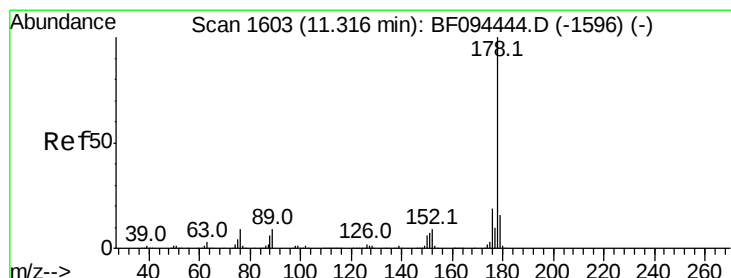
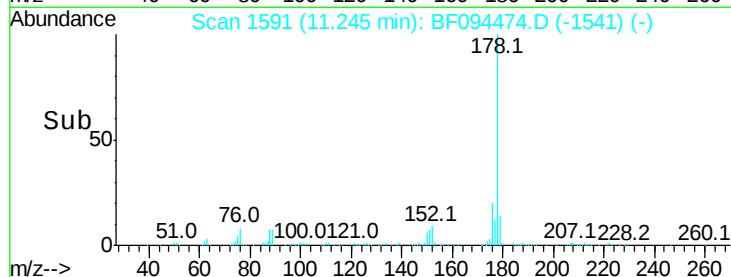
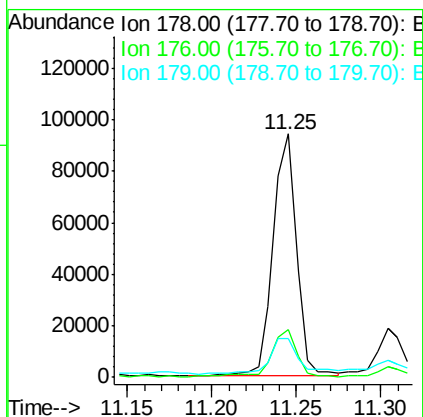
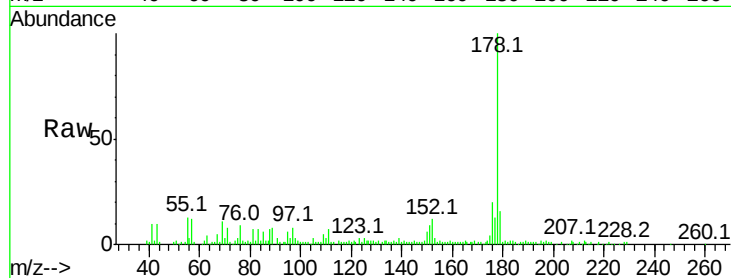




#70
Phenanthrene
Concen: 3.78 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF094474.D
Acq: 18 Apr 2017 2:38

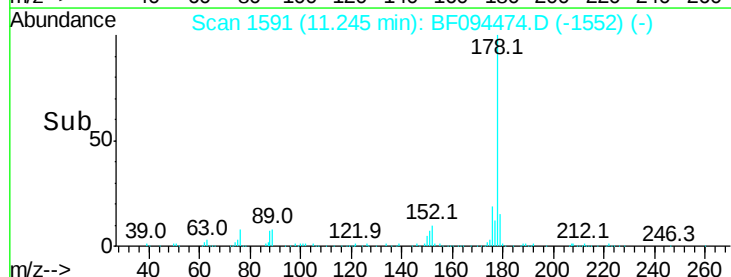
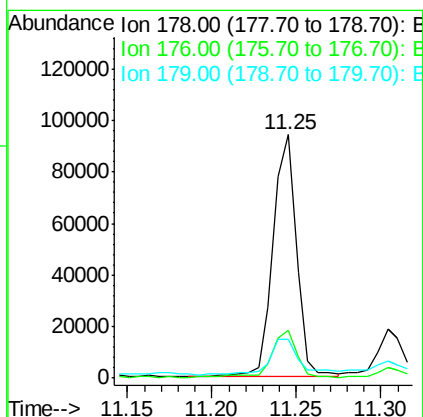
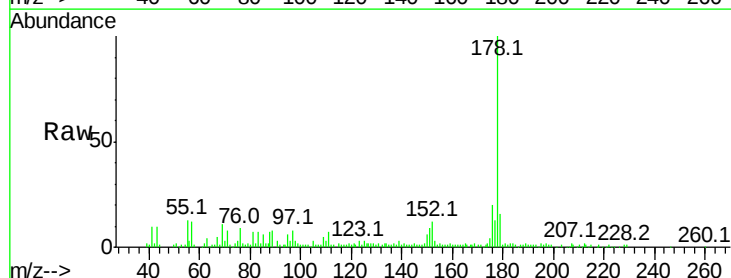
Instrument :
BNA_F
ClientSampleId :

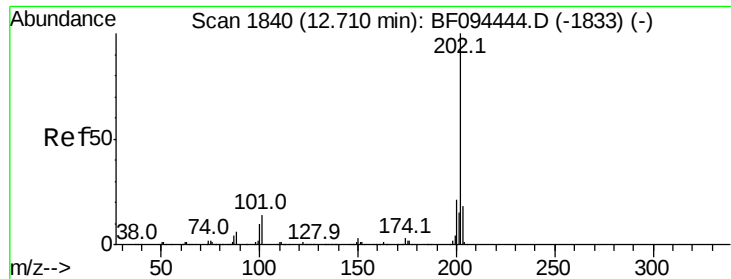
Tot Ion:178 Resp: 90535
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.7 12.6 19.0



#71
Anthracene
Concen: 3.65 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.07 min
Lab File: BF094474.D
Acq: 18 Apr 2017 2:38

Tgt Ion:178 Resp: 90535
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 2.73 ng

RT: 12.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF094474.D

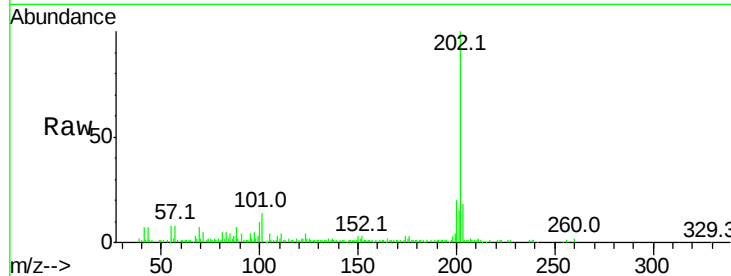
Acq: 18 Apr 2017 2:38

Instrument :

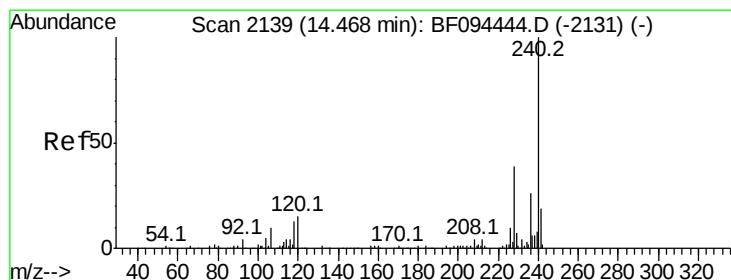
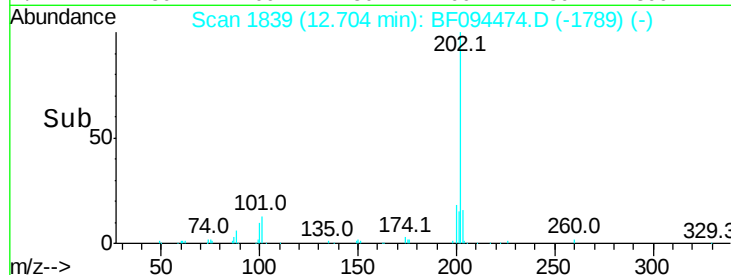
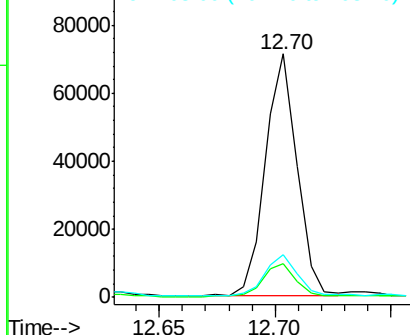
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	67823
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.5	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

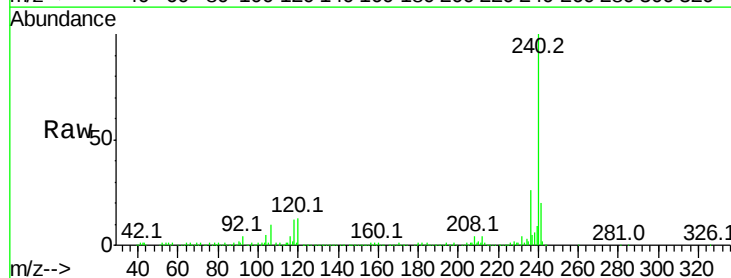
RT: 14.46 min Scan# 2138

Delta R.T. -0.01 min

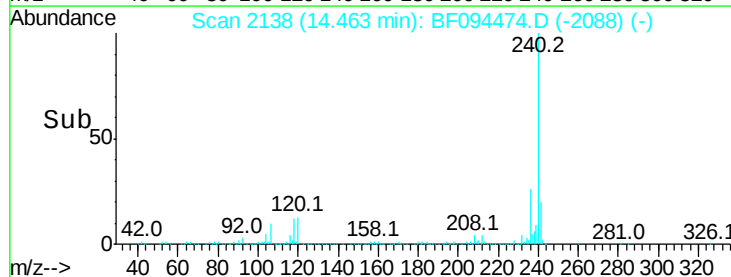
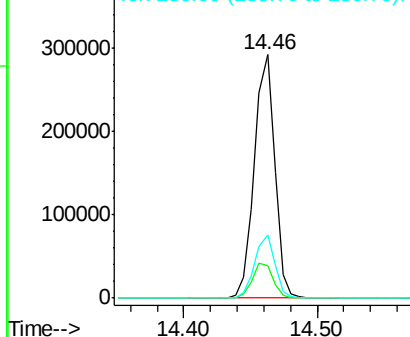
Lab File: BF094474.D

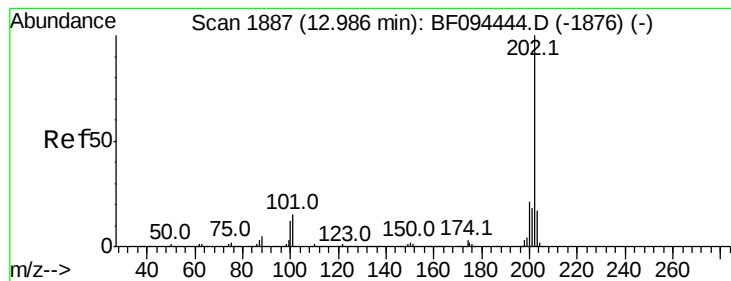
Acq: 18 Apr 2017 2:38

Tgt Ion:	240	Resp:	305602
Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.8	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.05 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

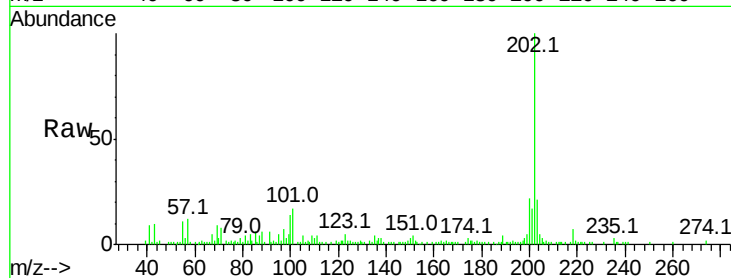
Tot Ion:202 Resp: 65140

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

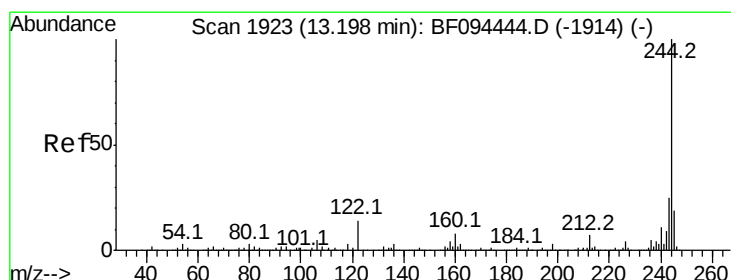
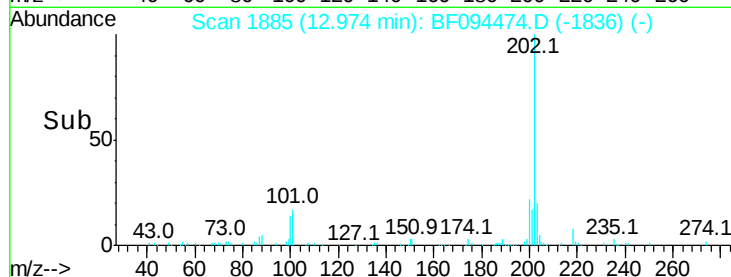
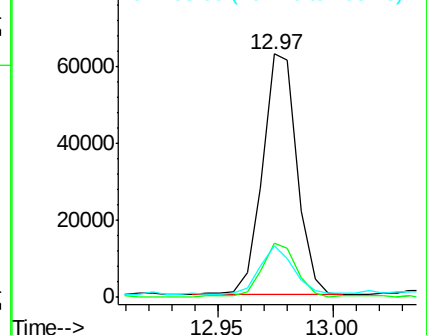
203 21.1 14.4 21.6



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: 13.95 ng

RT: 13.19 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

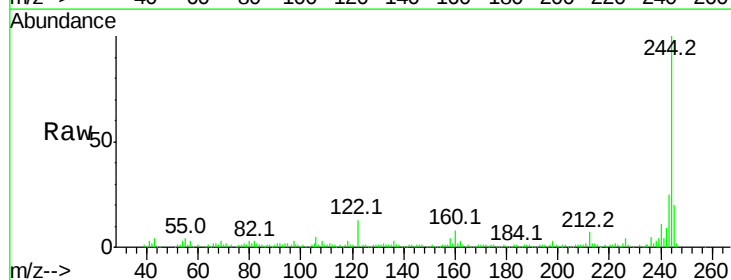
Tgt Ion:244 Resp: 159509

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

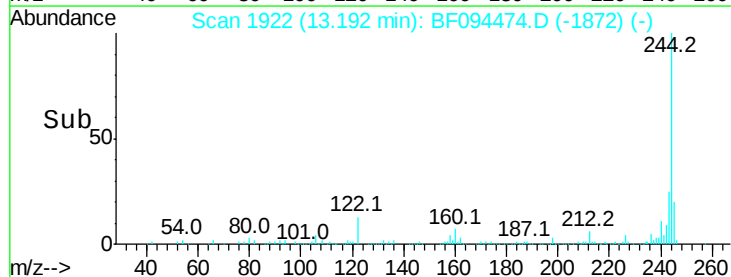
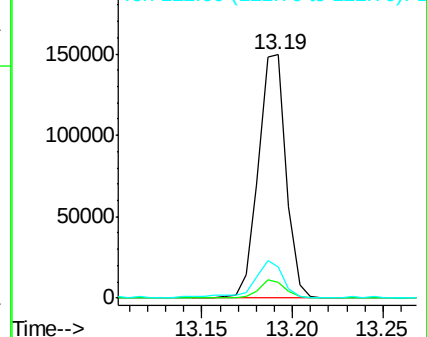
122 13.0 10.3 15.5

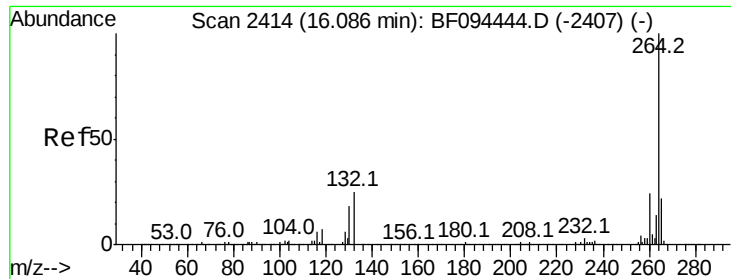


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

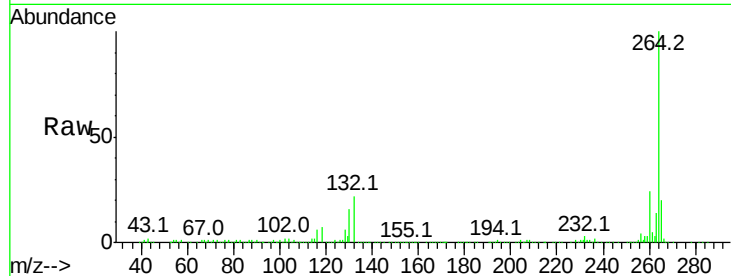
Tot Ion:264 Resp: 265658

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

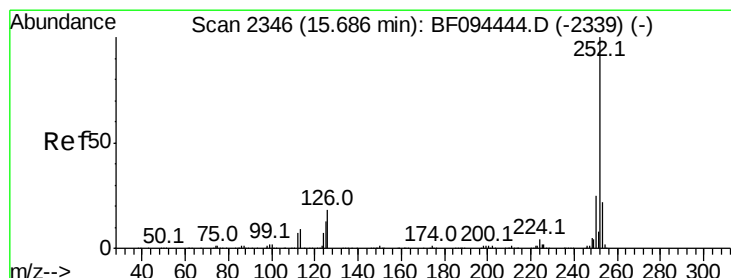
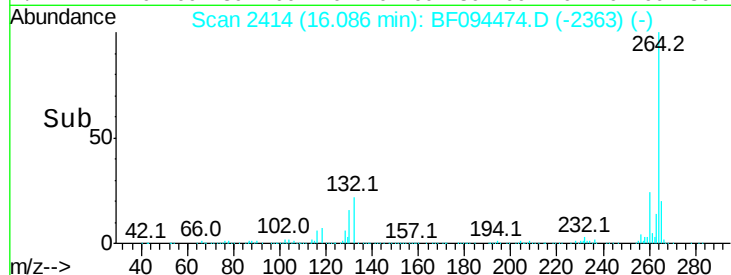
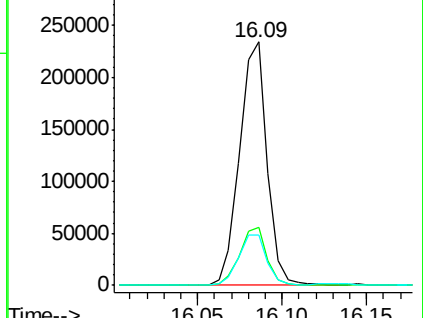
265 20.5 17.2 25.8



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: 3.78 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

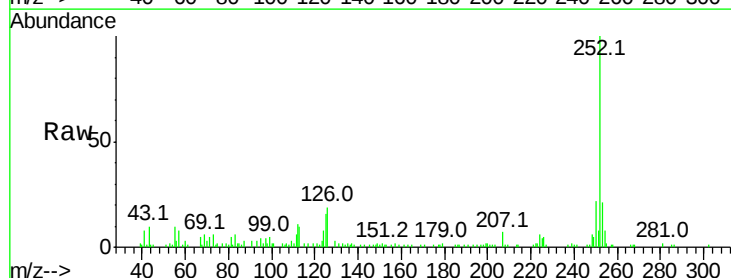
Tgt Ion:252 Resp: 61489

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

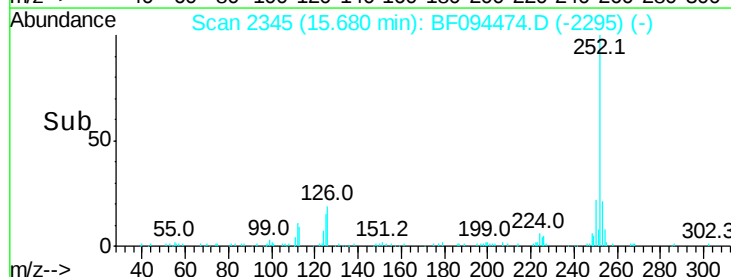
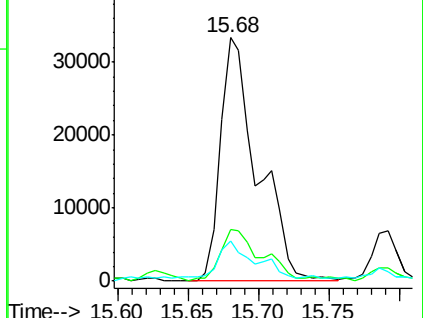
125 16.3 9.8 14.8#

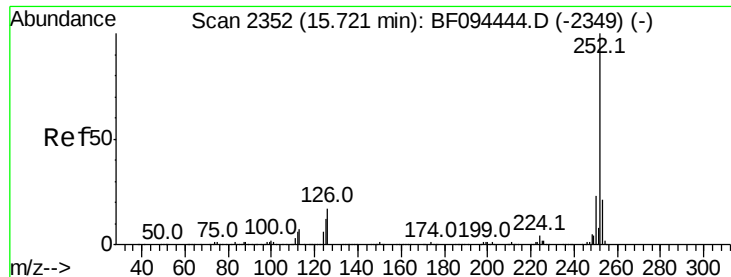


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.00 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

Lab File: BF094474.D

Acq: 18 Apr 2017 2:38

Instrument :

BNA_F

ClientSampleId :

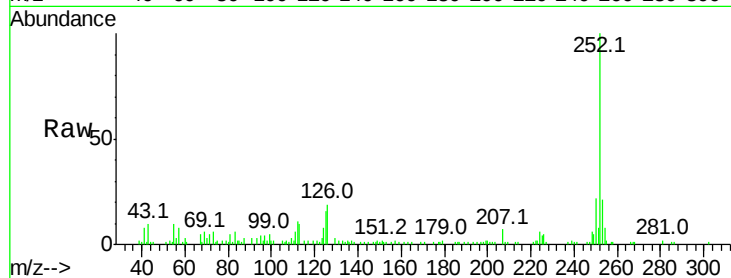
Tot Ion:252 Resp: 61489

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

125 16.3 13.1 19.7



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

