

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094530.D
 Acq On : 19 Apr 2017 21:54
 Operator : SJ/MA
 Sample : I2750-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:08:06 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

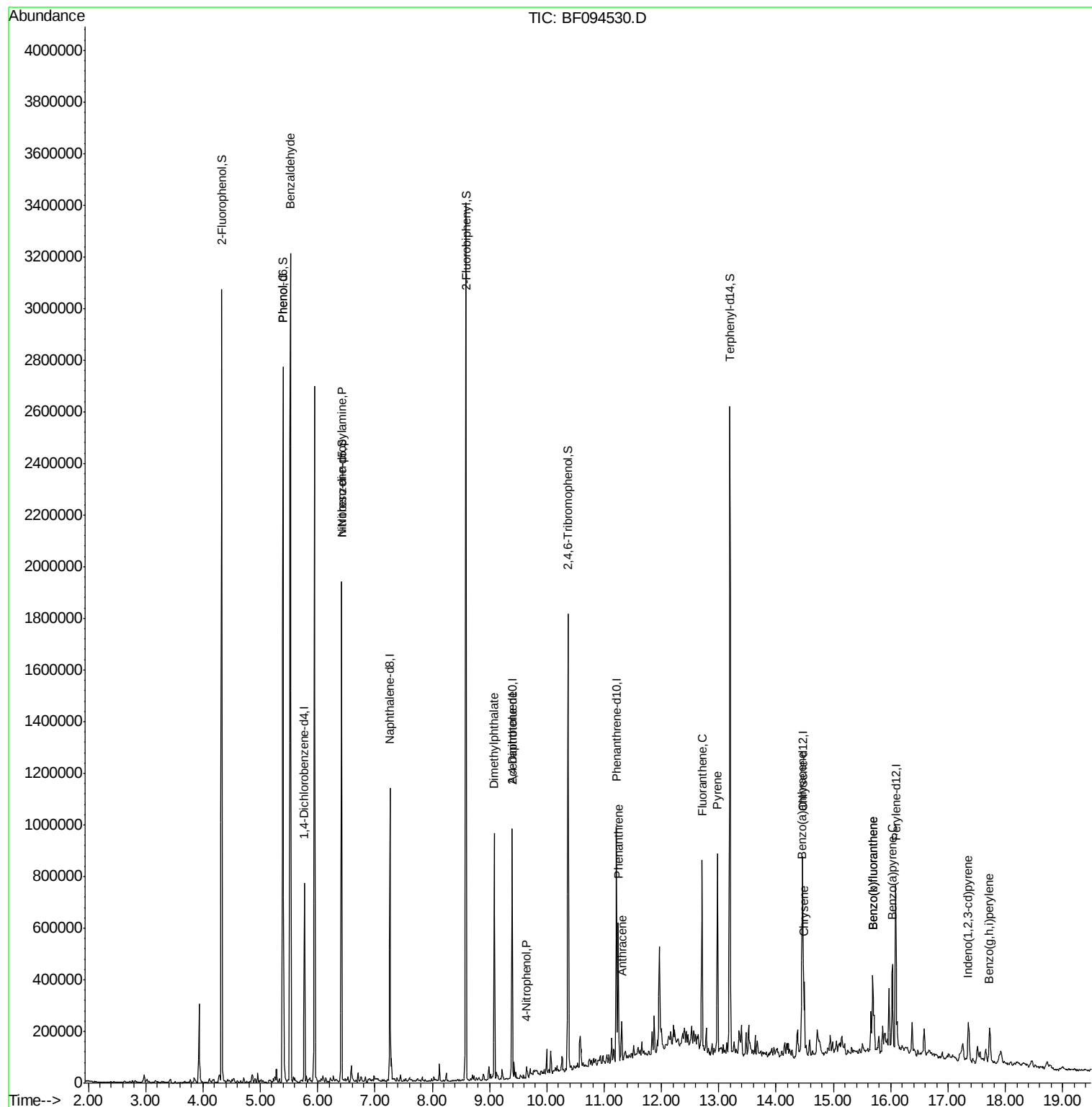
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	126652	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	514142	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	202360	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	384286	20.00	ng	0.00
75) Chrysene-d12	14.47	240	268454	20.00	ng	0.00
86) Perylene-d12	16.09	264	251370	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	908703	119.03	ng	0.02
7) Phenol-d6	5.40	99	1135861	126.21	ng	0.00
23) Nitrobenzene-d5	6.42	82	702737	84.40	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	224714	141.97	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1242305	90.33	ng	0.00
78) Terphenyl-d14	13.19	244	906326	90.24	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	19987	2.92	ng	82
10) Phenol	5.41	94	30743	2.78	ng	88
19) n-Nitroso-di-n-propylamine	6.42	70	94233	15.80	ng	# 77
49) Dimethylphthalate	9.08	163	401313	26.61	ng	100
55) 4-Nitrophenol	9.65	139	6228	2.25	ng	# 33
56) 2,4-Dinitrotoluene	9.40	165	26922	6.48	ng	# 34
70) Phenanthrene	11.24	178	204075	9.43	ng	97
71) Anthracene	11.31	178	61920	2.77	ng	97
74) Fluoranthene	12.71	202	303318	13.52	ng	99
77) Pyrene	12.98	202	331683	17.68	ng	96
80) Benzo(a)anthracene	14.45	228	121025	7.76	ng	94
82) Chrysene	14.49	228	123474	8.66	ng	95
85) Indeno(1,2,3-cd)pyrene	17.35	276	82917	6.11	ng	97
87) Benzo(b)fluoranthene	15.68	252	210386	13.68	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	210386	14.46	ng	98
89) Benzo(a)pyrene	16.03	252	132158	9.24	ng	99
91) Benzo(a,h,i)perylene	17.73	276	89771	7.42	ng	96

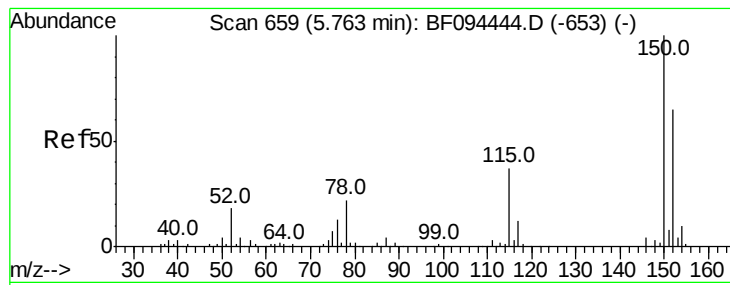
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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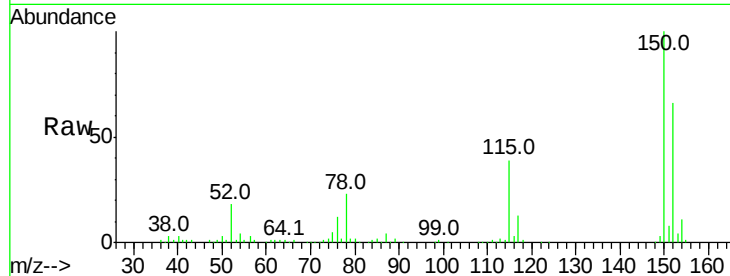




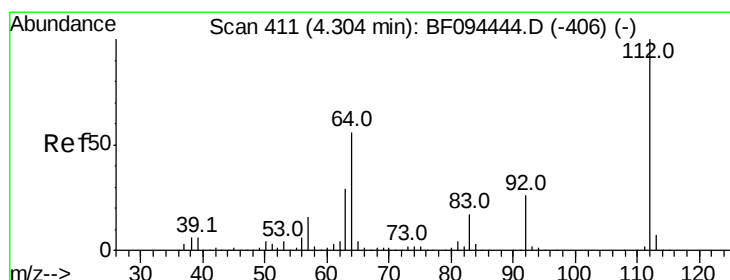
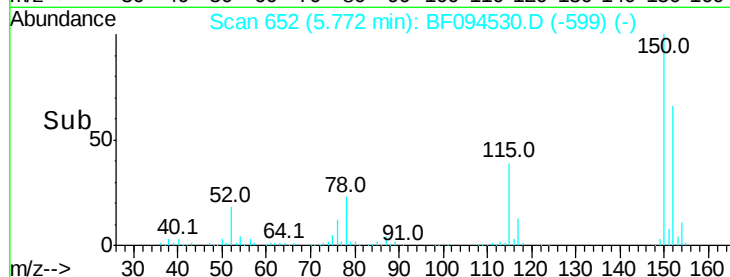
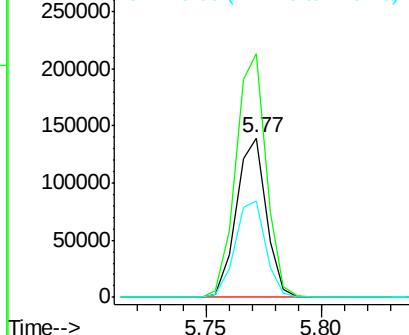
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 126652
 Ion Ratio Lower Upper
 152 100
 150 152.5 126.2 189.2
 115 60.1 52.2 78.2

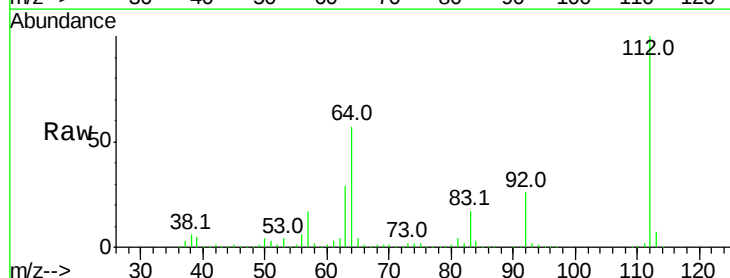


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

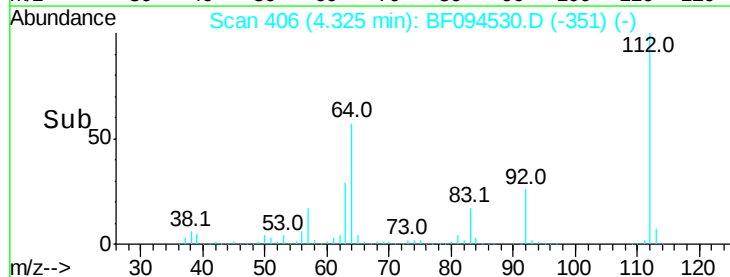
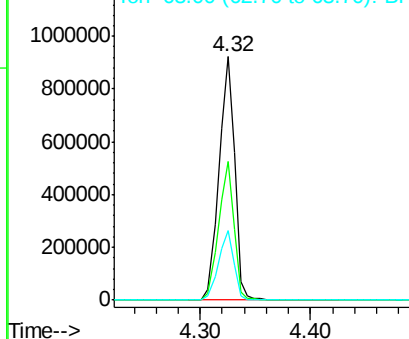


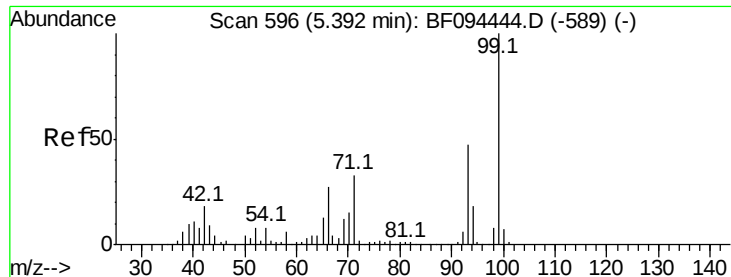
#5
 2-Fluorophenol
 Concen: 119.03 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:112 Resp: 908703
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.0 69.0
 63 28.8 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: 126.21 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :
BNA_F
ClientSampleId :

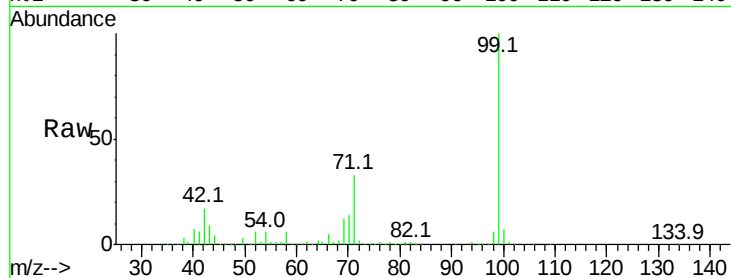
Tot Ion: 99 Resp: 1135861

Ion Ratio Lower Upper

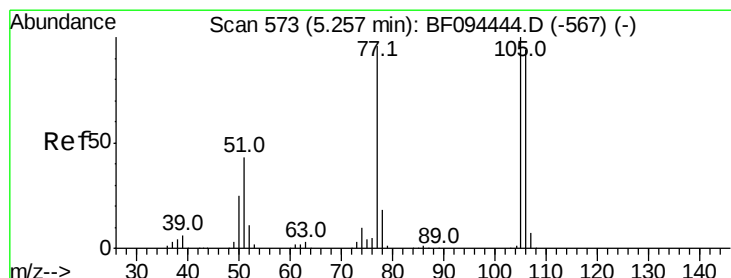
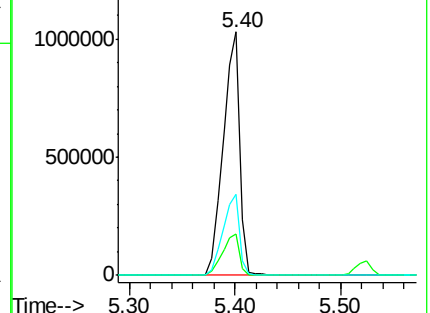
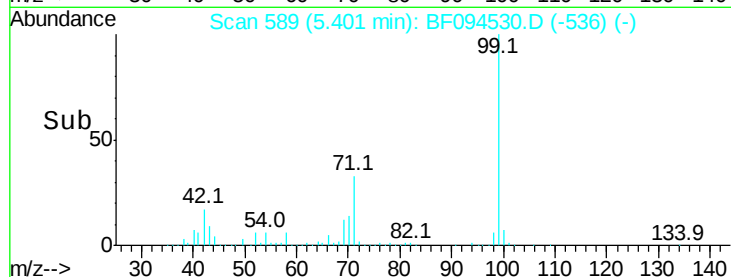
99 100

42 16.9 13.5 20.3

71 33.2 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



#9

Benzaldehyde

Concen: 2.92 ng

RT: 5.52 min Scan# 610

Delta R.T. 0.27 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

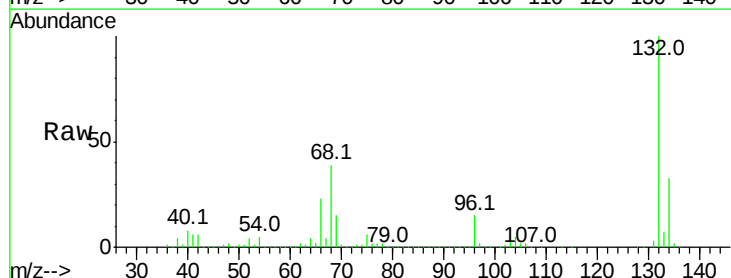
Tgt Ion: 77 Resp: 19987

Ion Ratio Lower Upper

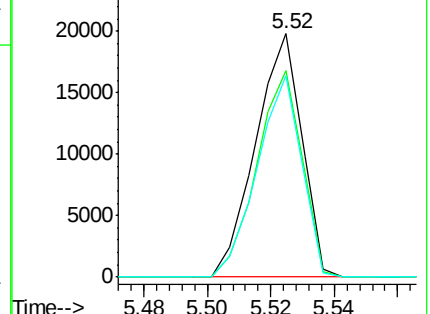
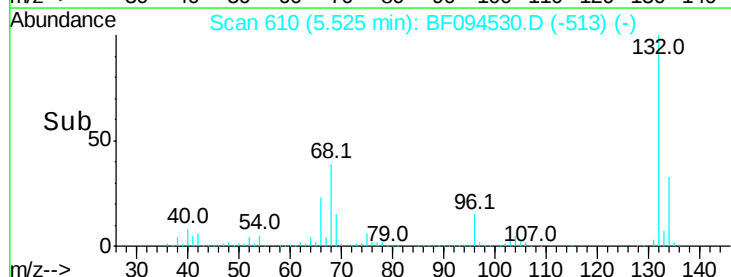
77 100

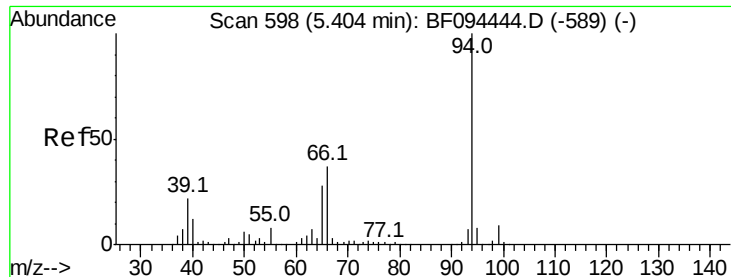
105 84.6 83.8 123.8

106 82.9 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.78 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

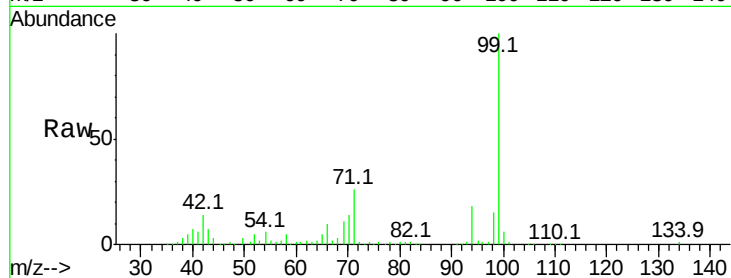
Tot Ion: 94 Resp: 30743

Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

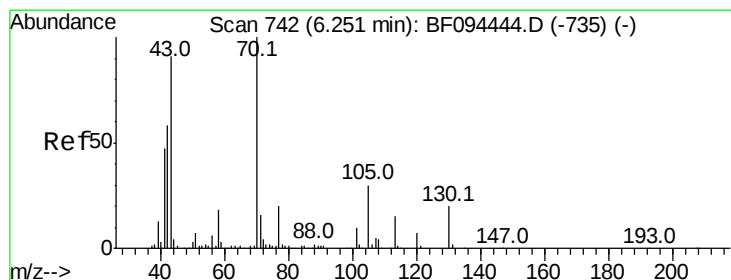
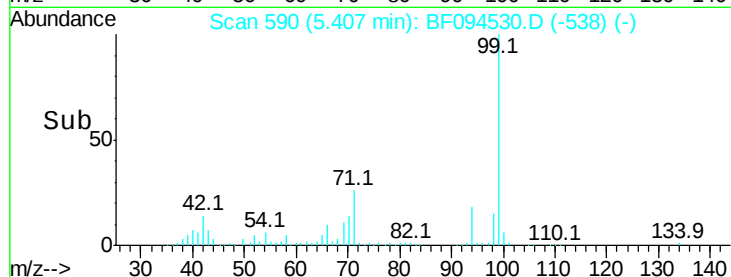
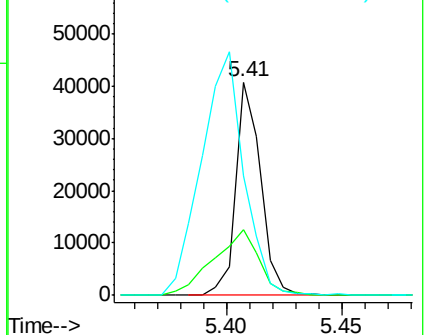
66 55.8 23.1 63.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.80 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Tgt Ion: 70 Resp: 94233

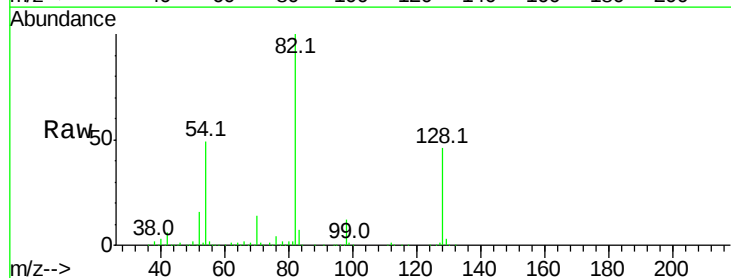
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

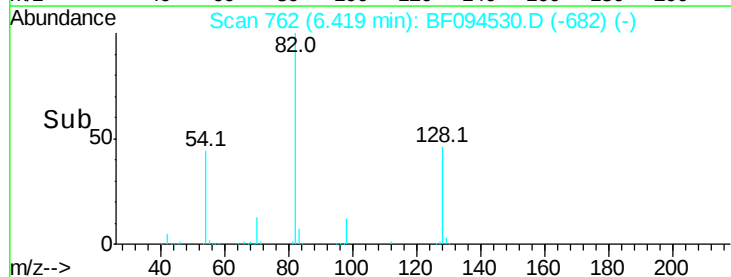
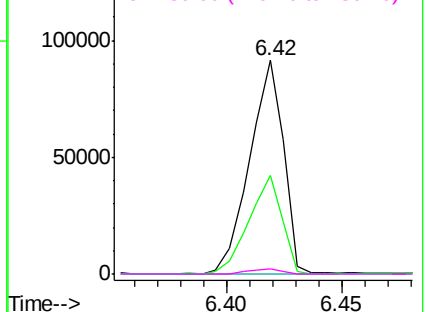


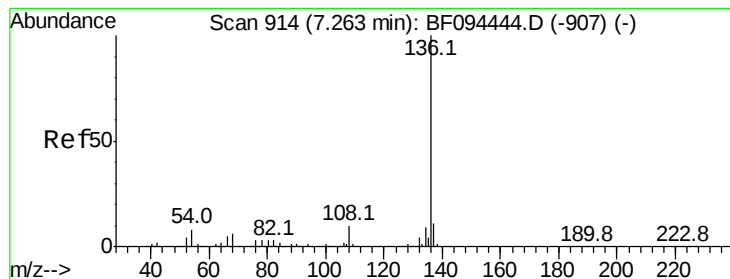
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 514142

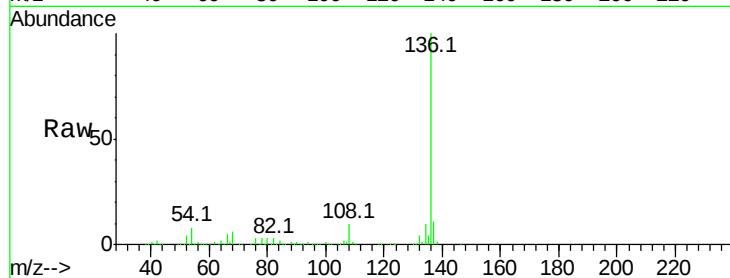
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.8 4.9 7.3#

68 5.9 4.1 6.1

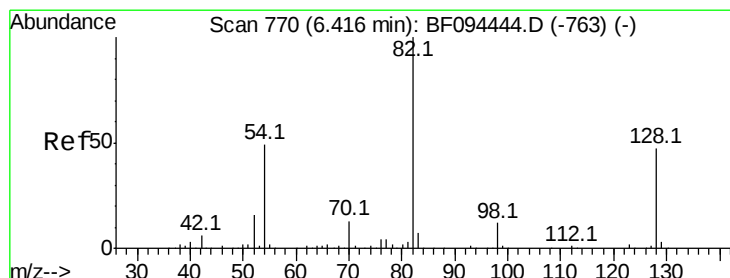
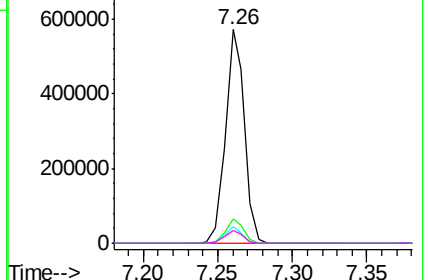
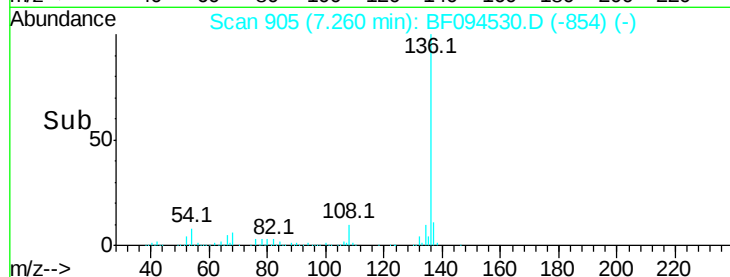


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.40 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

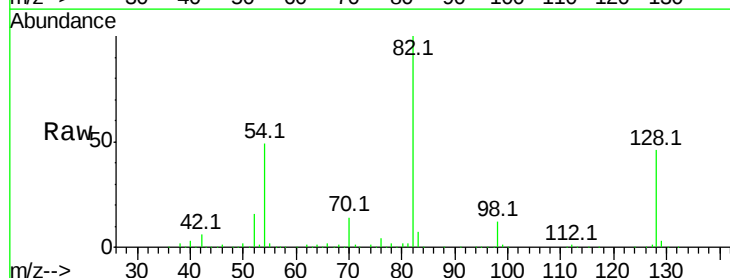
Tgt Ion: 82 Resp: 702737

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

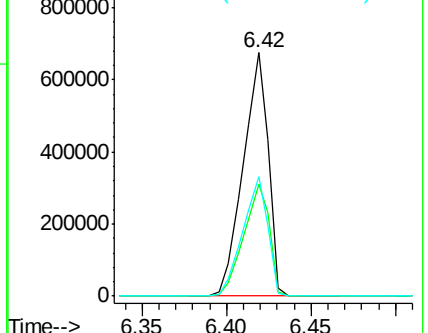
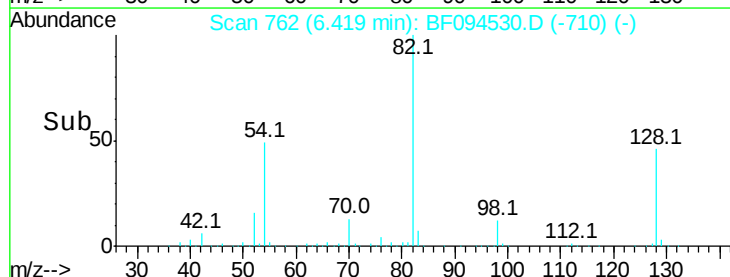
54 48.9 42.2 63.2

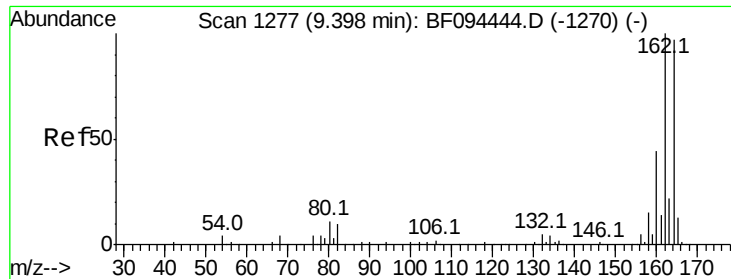


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

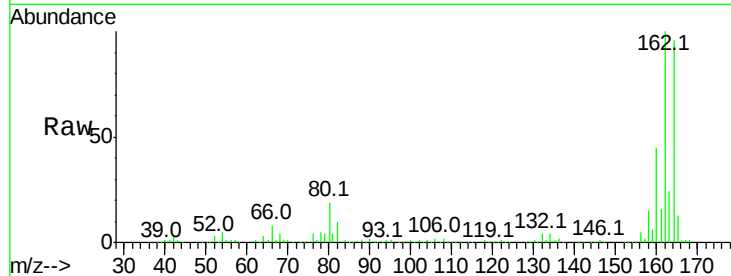




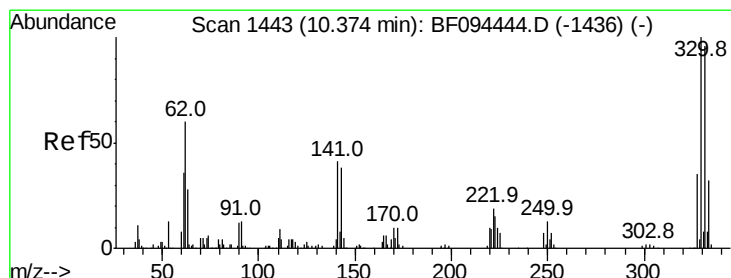
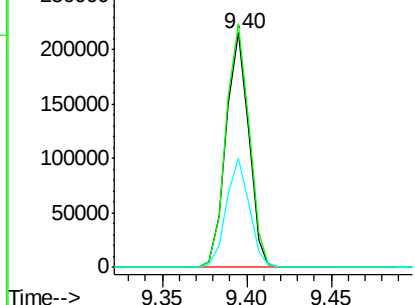
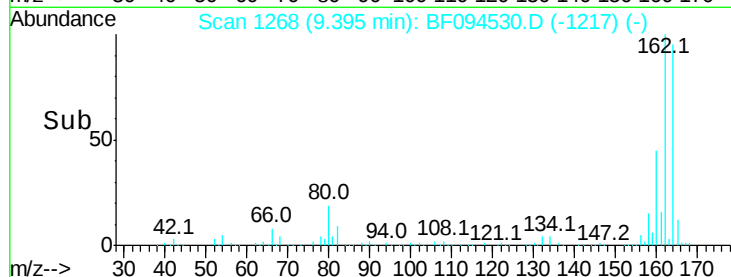
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 202360
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 46.3 36.2 54.2

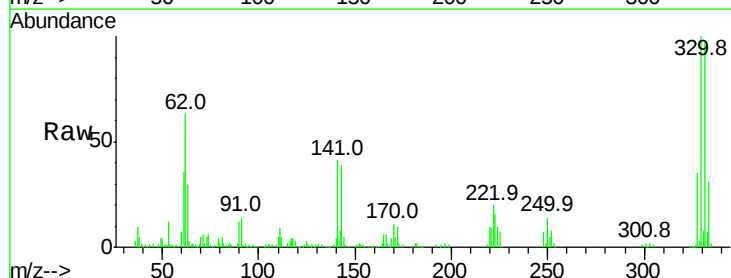


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

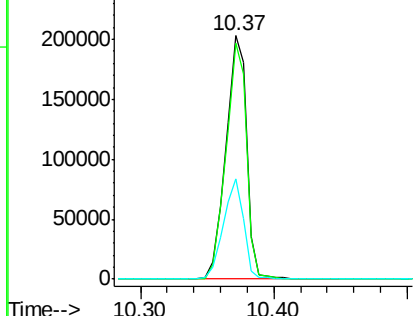
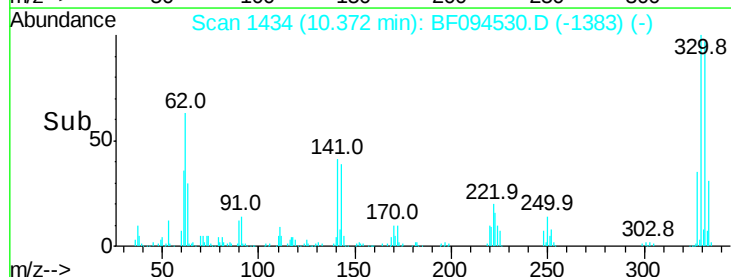


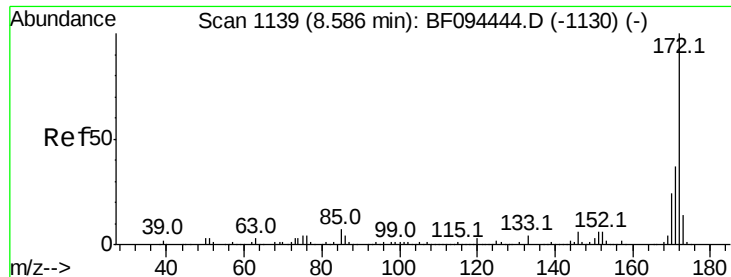
#41
 2,4,6-Tribromophenol
 Concen: 141.97 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:330 Resp: 224714
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 40.2 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

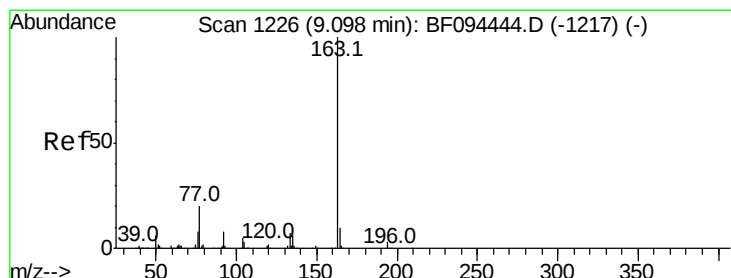
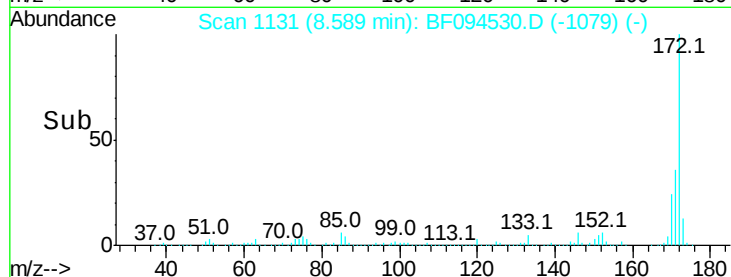
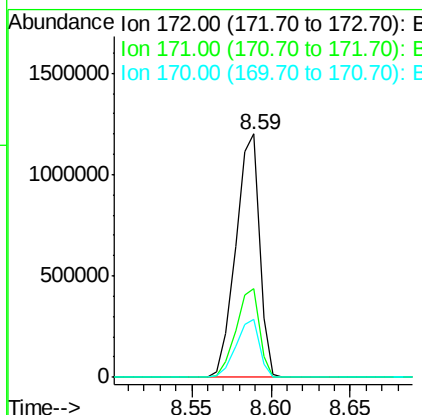
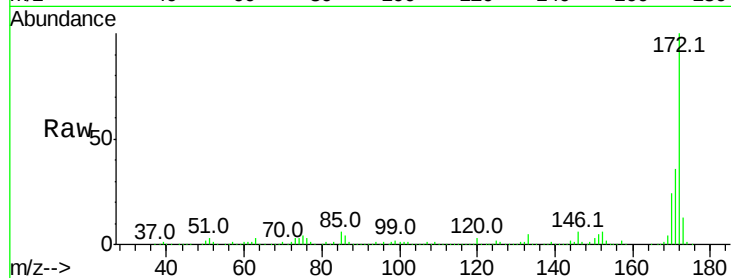




#44
2-Fluorobiphenyl
Concen: 90.33 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

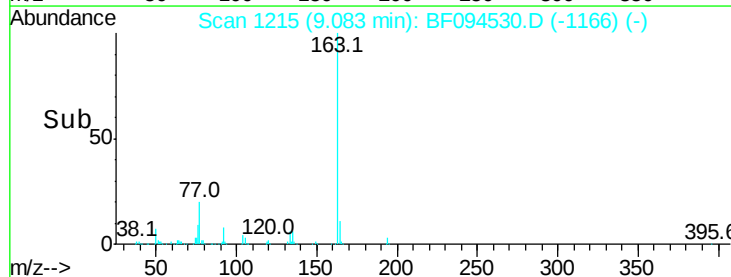
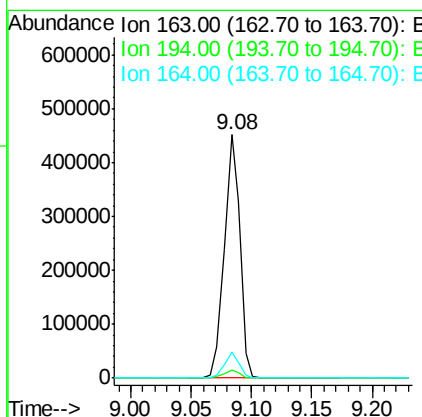
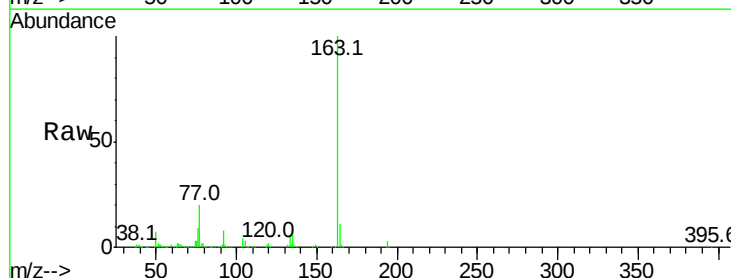
Instrument :
BNA_F
ClientSampleId :

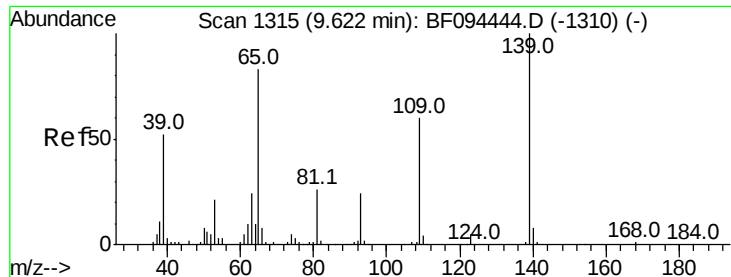
Tot Ion:172 Resp: 1242305
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 26.61 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Tgt Ion:163 Resp: 401313
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.6 8.4 12.6





#55

4-Nitrophenol

Concen: 2.25 ng

RT: 9.65 min Scan# 1311

Delta R.T. 0.03 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

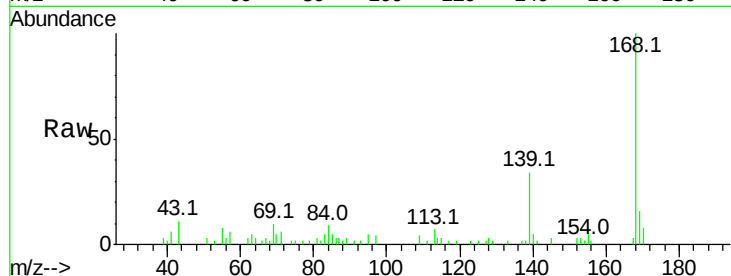
Tot Ion:139 Resp: 6228

Ion Ratio Lower Upper

139 100

109 10.5 34.1 74.1#

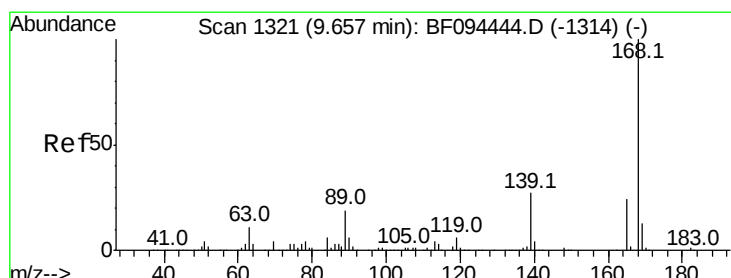
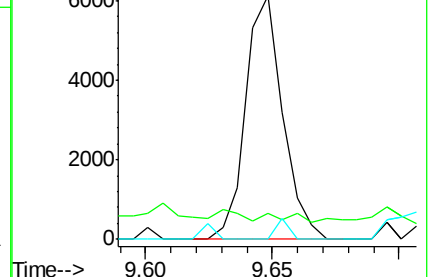
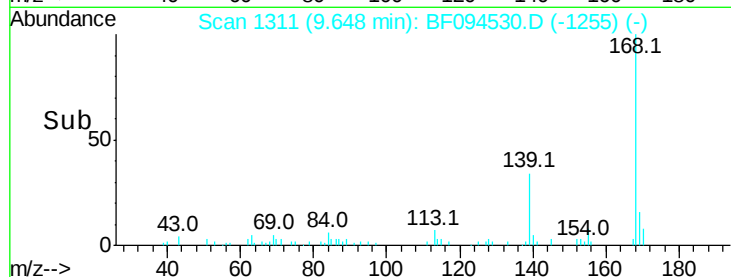
65 0.0 31.4 71.4#



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



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Tgt Ion:165 Resp: 26922

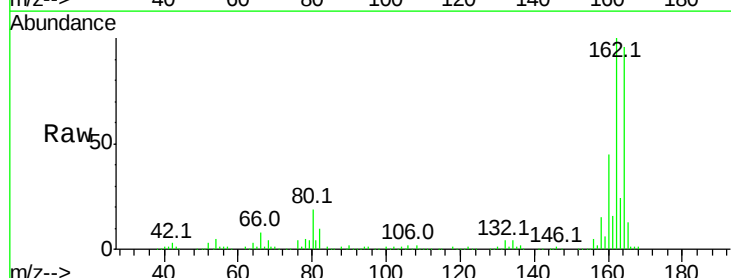
Ion Ratio Lower Upper

165 100

63 2.3 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

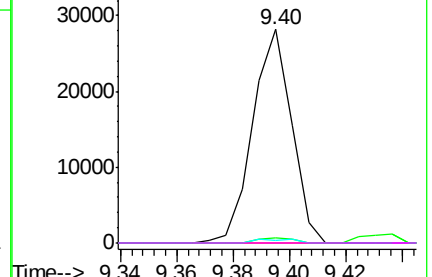
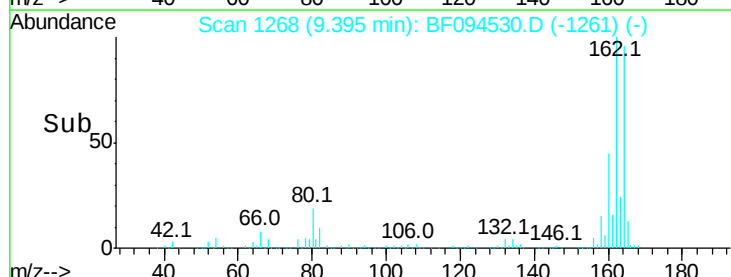


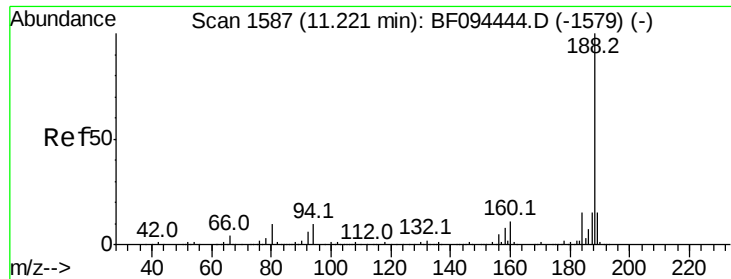
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

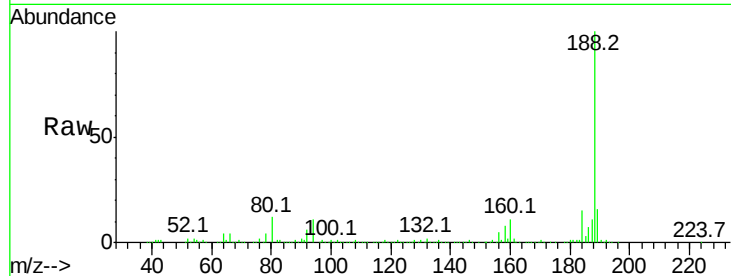
Tot Ion:188 Resp: 384286

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

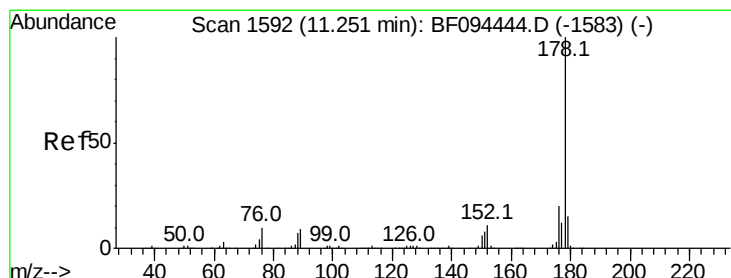
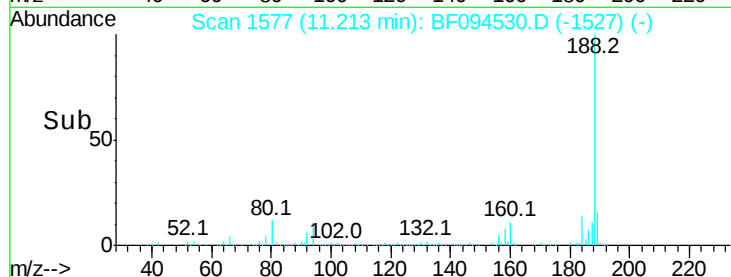
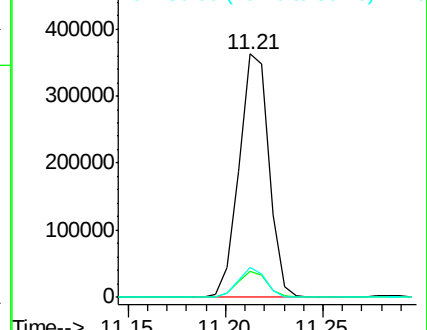
80 12.4 10.2 15.2



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: 9.43 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

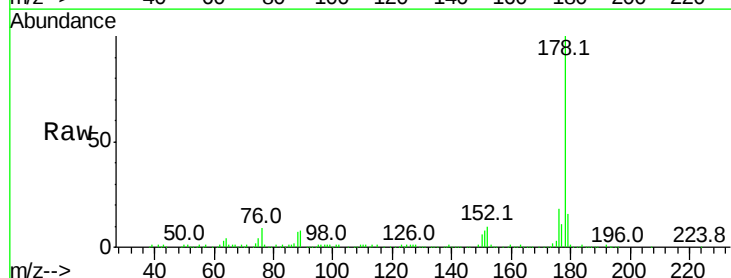
Tgt Ion:178 Resp: 204075

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

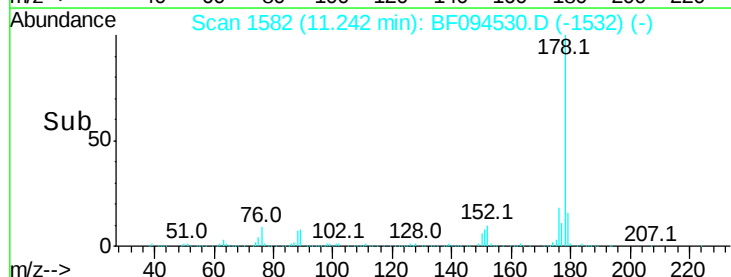
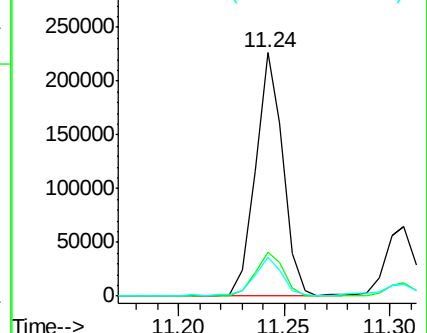
179 16.0 12.6 19.0

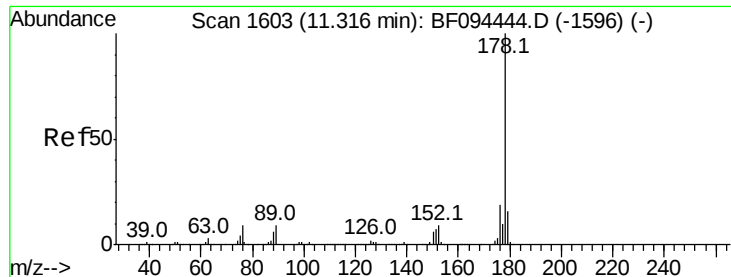


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.77 ng

RT: 11.31 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampled :

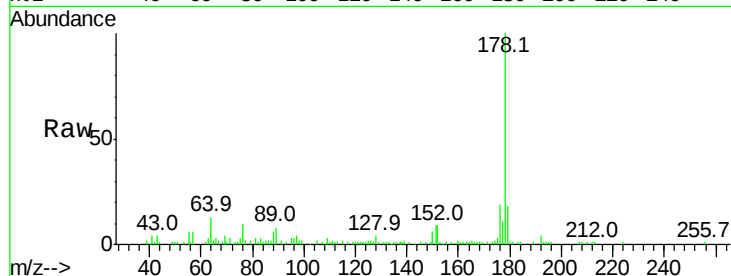
Tot Ion:178 Resp: 61920

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

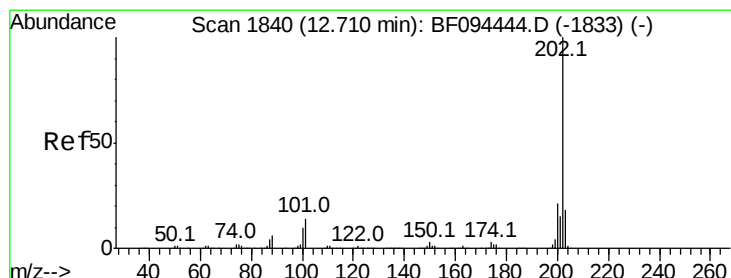
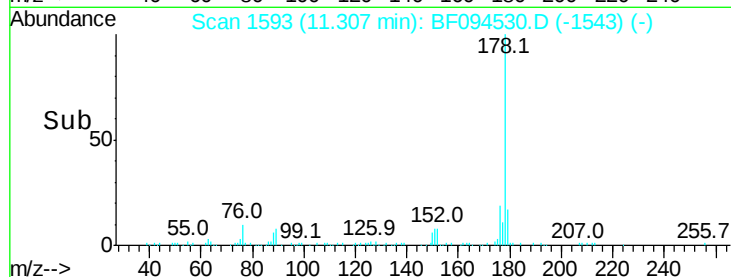
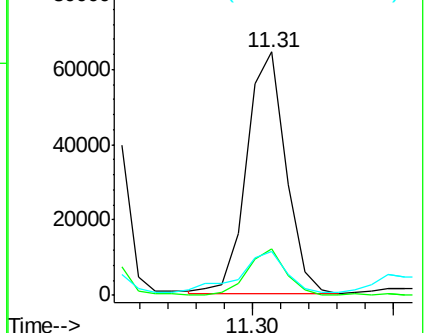
179 18.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.52 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

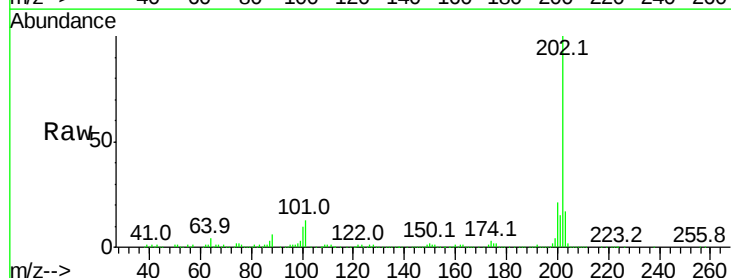
Tgt Ion:202 Resp: 303318

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

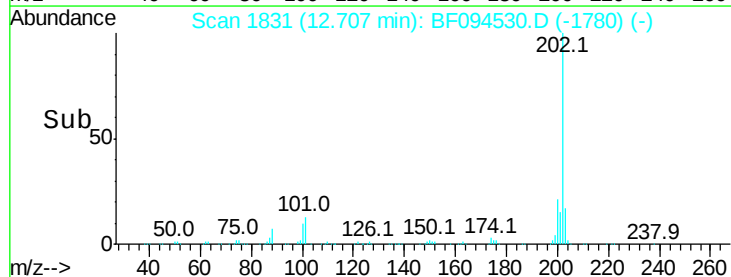
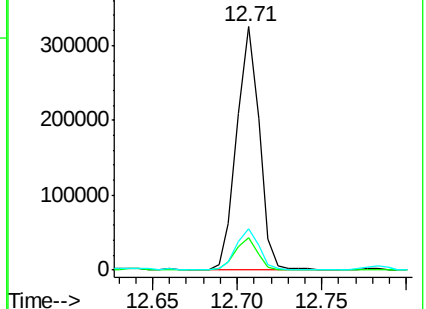
203 17.2 0.0 38.1

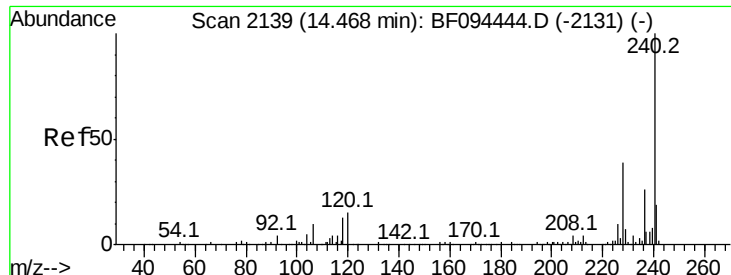


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

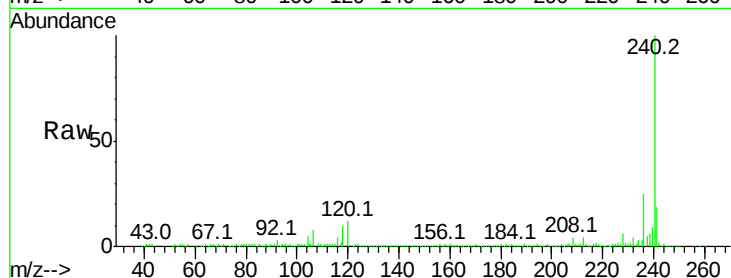
Tot Ion:240 Resp: 268454

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

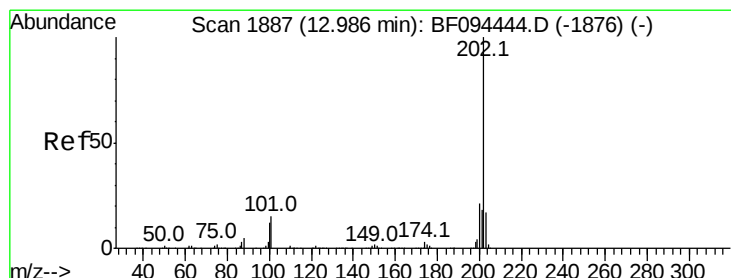
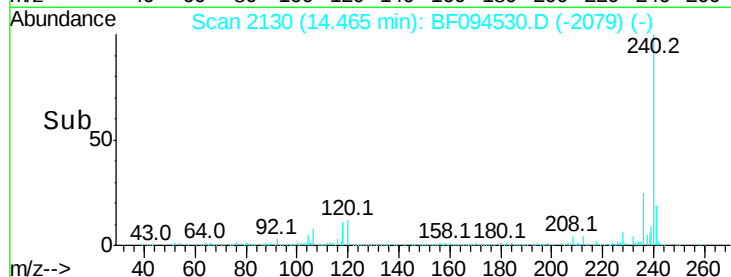
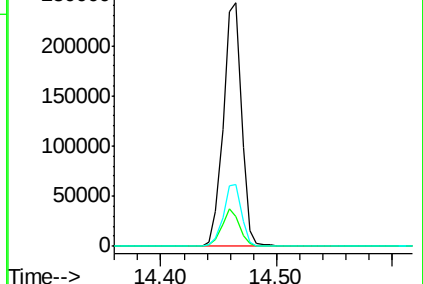
236 25.4 20.5 30.7



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: 17.68 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

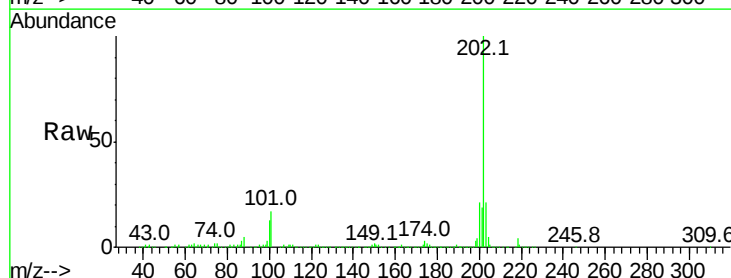
Tgt Ion:202 Resp: 331683

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

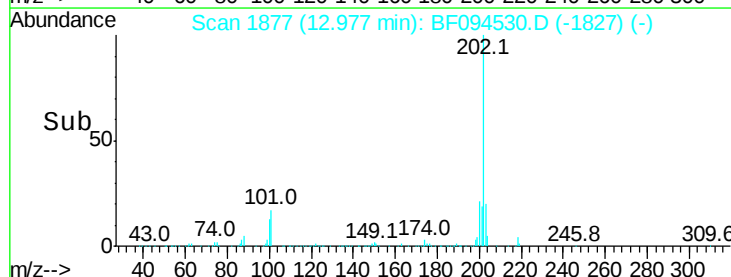
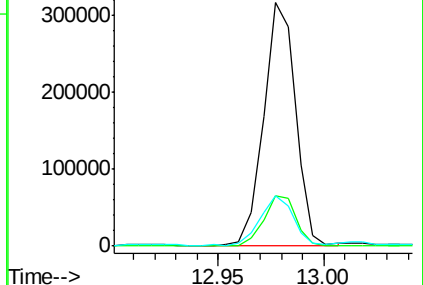
203 20.6 14.4 21.6

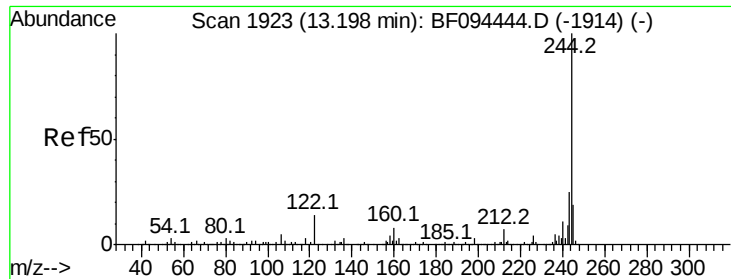


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

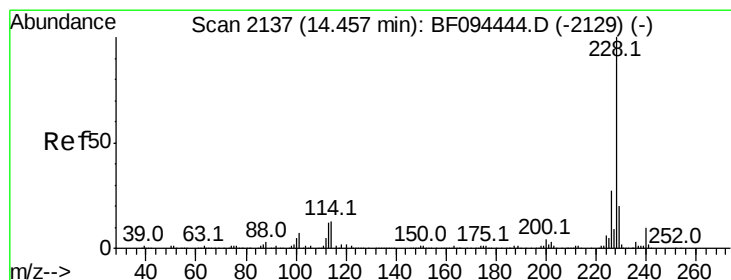
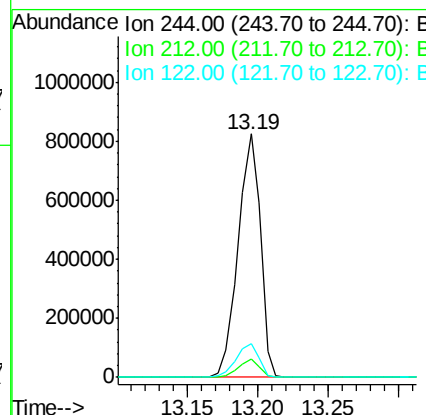
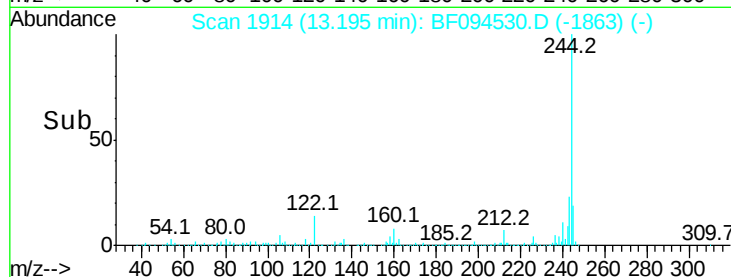
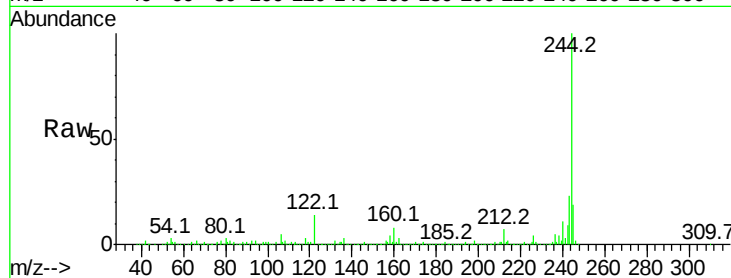




#78
 Terphenyl-d14
 Concen: 90.24 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

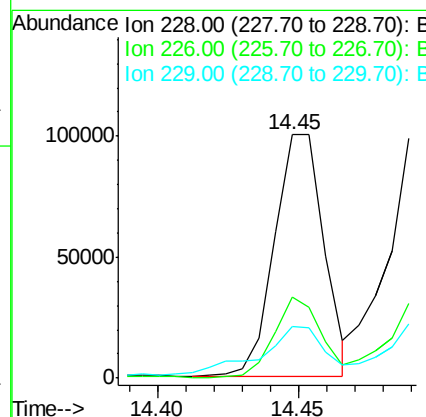
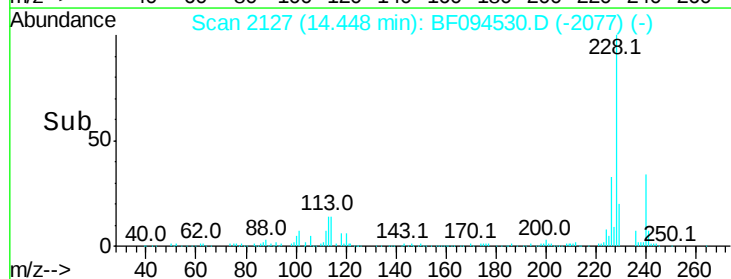
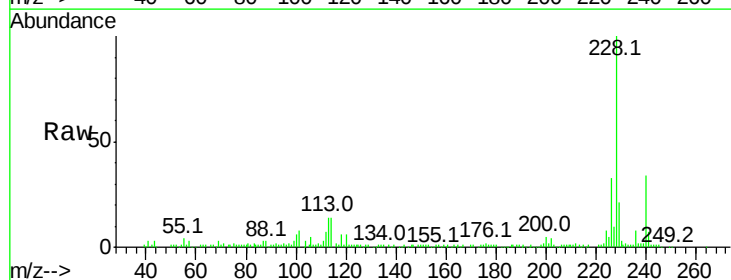
Instrument :
 BNA_F
 ClientSampleId :

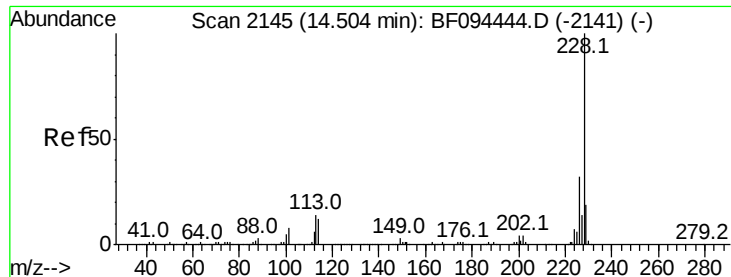
Tot Ion:244 Resp: 906326
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 7.76 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:228 Resp: 121025
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.6 33.8
 229 21.1 16.3 24.5

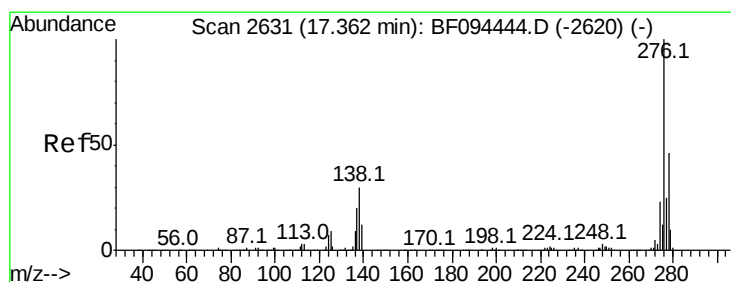
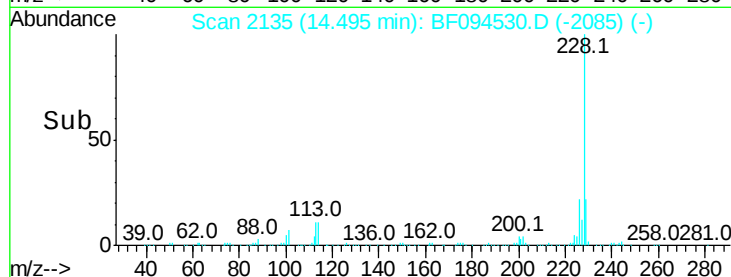
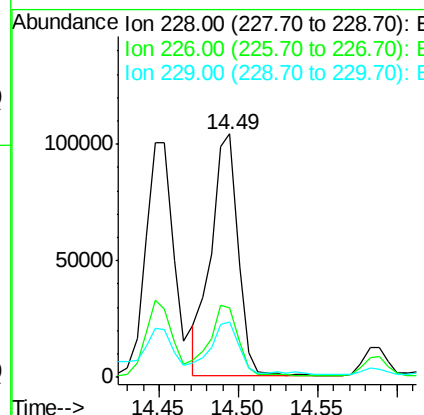
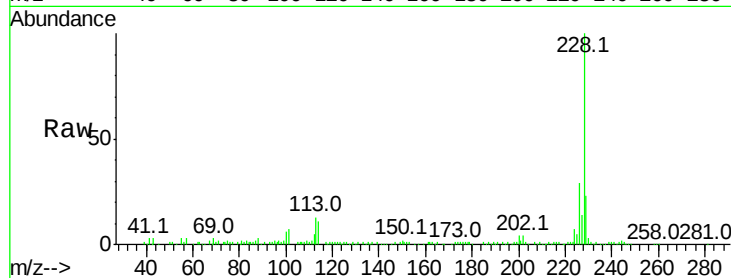




#82
 Chrysene
 Concen: 8.66 ng
 RT: 14.49 min Scan# 2135
 Delta R.T. -0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

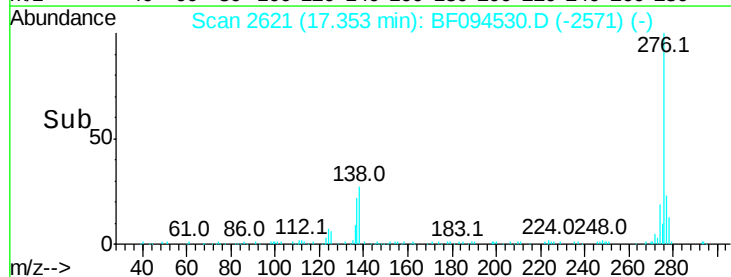
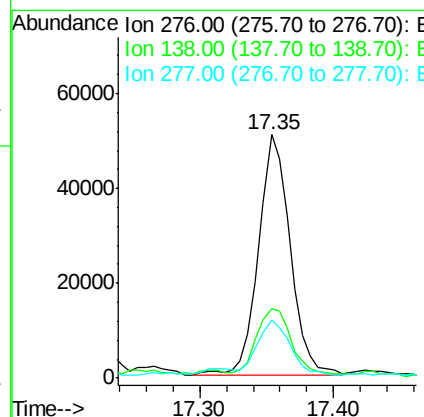
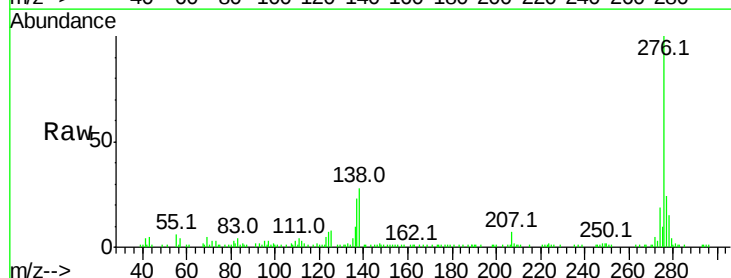
Instrument :
 BNA_F
 ClientSampleID :

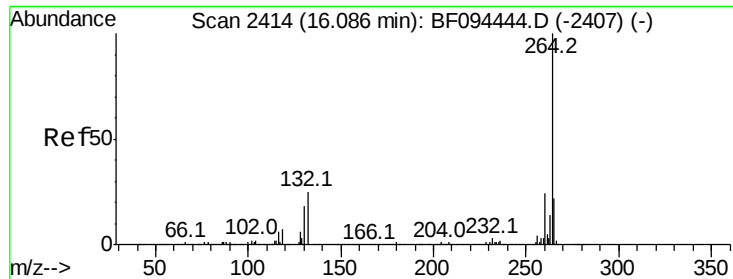
Tot Ion:	228	Resp:	123474
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.9	37.3
229	22.8	15.8	23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.11 ng
 RT: 17.35 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:	276	Resp:	82917
Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	24.2	20.2	30.4

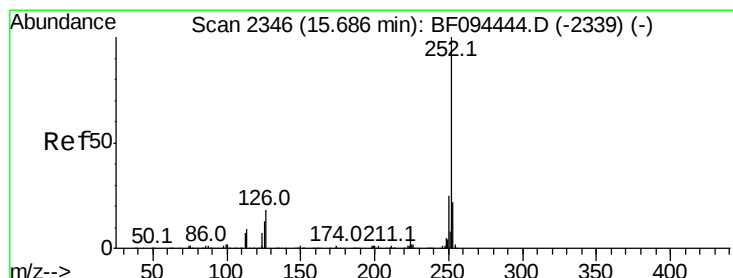
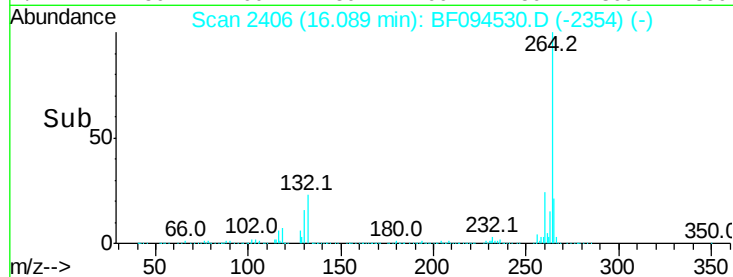
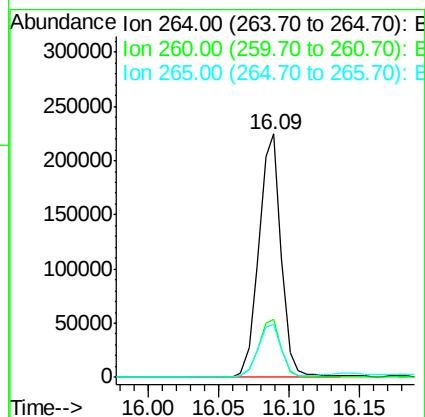
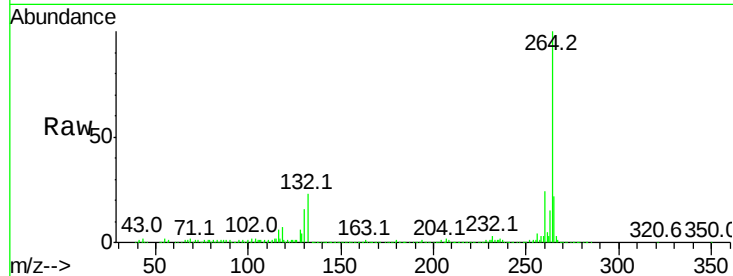




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

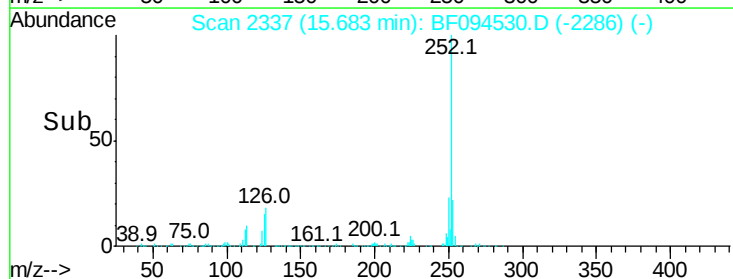
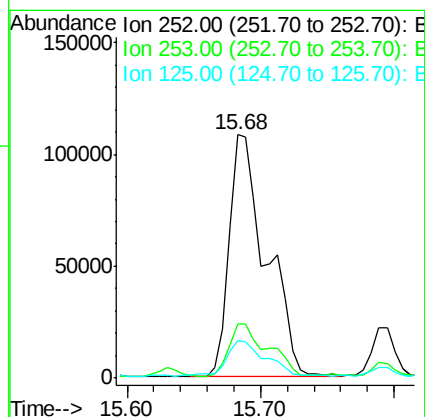
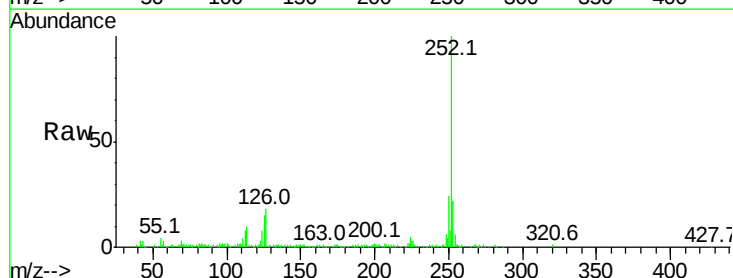
Instrument :
BNA_F
ClientSampleId :

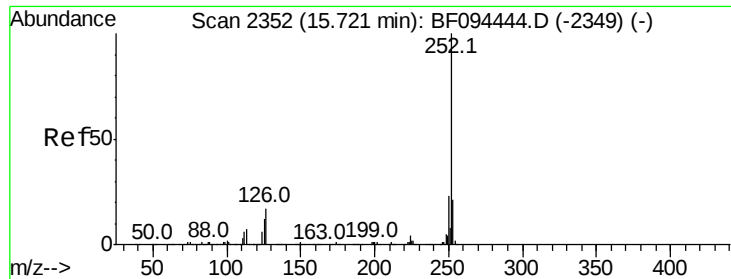
Tot Ion:264 Resp: 251370
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 13.68 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Tgt Ion:252 Resp: 210386
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 15.4 9.8 14.8#

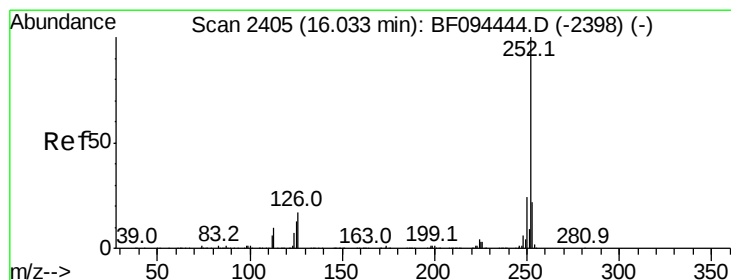
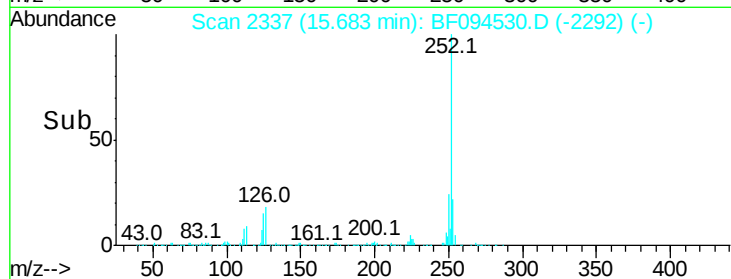
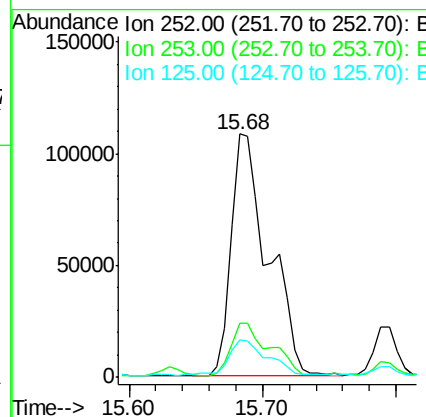
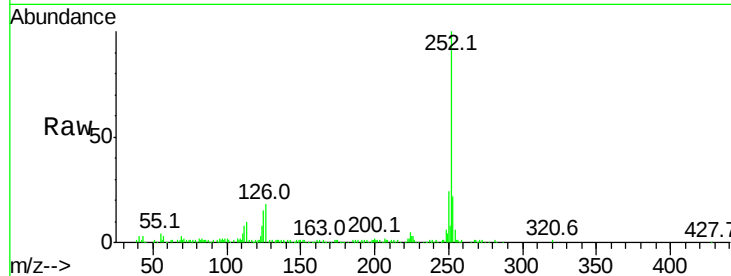




#88
Benzo(k)fluoranthene
Concen: 14.46 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

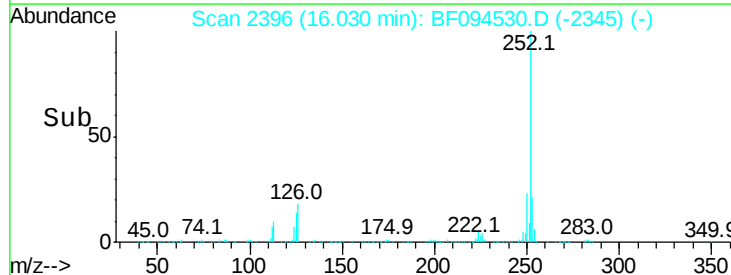
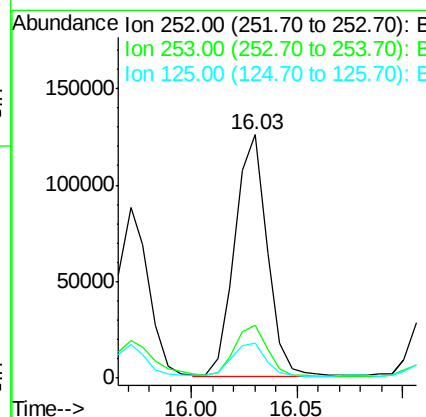
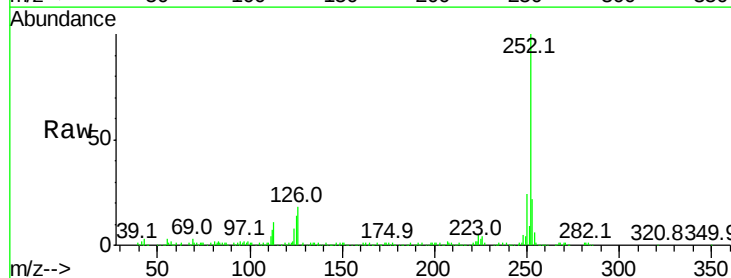
Instrument :
BNA_F
ClientSampleId :

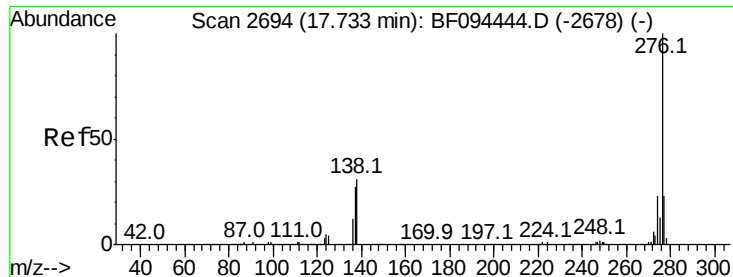
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 9.24 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.3	11.0	16.4

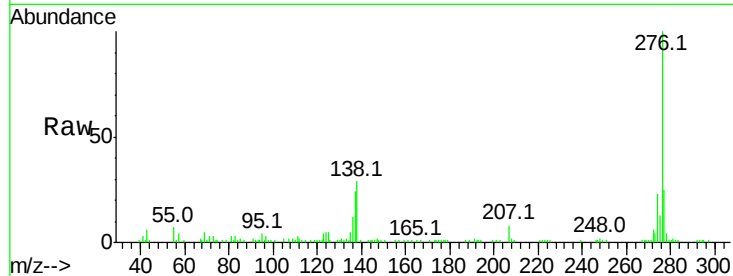




#91
 Benzo(a,h,i)perylene
 Concen: 7.42 ng
 RT: 17.73 min Scan# 2685
 Delta R.T. -0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	29.1	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

