

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094684.D
 Acq On : 28 Apr 2017 15:32
 Operator : SJ/MA
 Sample : I2825-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 18:59:55 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

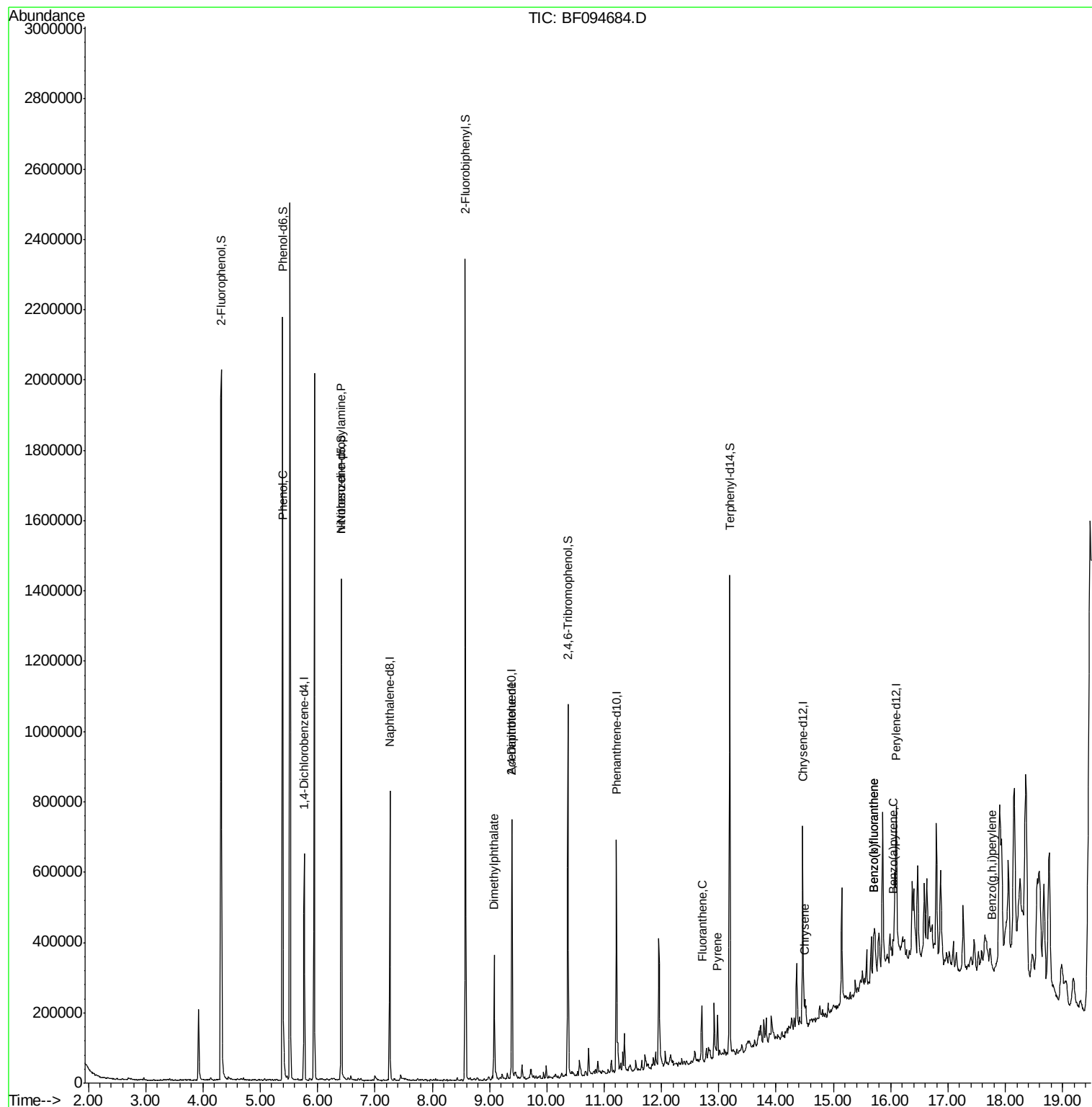
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	99554	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	398324	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	167958	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	255284	20.00	ng	0.00
75) Chrysene-d12	14.47	240	214030	20.00	ng	0.00
86) Perylene-d12	16.09	264	170701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	667049	111.16	ng	0.02
7) Phenol-d6	5.39	99	829403	117.24	ng	0.00
23) Nitrobenzene-d5	6.41	82	501475	77.74	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	135604	103.22	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	819109	71.76	ng	0.00
78) Terphenyl-d14	13.19	244	472540	59.01	ng	0.00
Target Compounds						
10) Phenol	5.40	94	53078	6.11	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	6.41	70	65633	14.00	ng	# 77
49) Dimethylphthalate	9.08	163	150584	12.03	ng	99
56) 2,4-Dinitrotoluene	9.39	165	21301	6.18	ng	# 32
74) Fluoranthene	12.71	202	49881	3.35	ng	99
77) Pyrene	12.98	202	41849	2.80	ng	98
82) Chrysene	14.49	228	36342	3.20	ng	95
87) Benzo(b)fluoranthene	15.69	252	63527	6.08	ng	# 88
88) Benzo(k)fluoranthene	15.69	252	63527	6.43	ng	# 93
89) Benzo(a)pyrene	16.04	252	23944	2.46	ng	# 83
91) Benzo(g,h,i)perylene	17.77	276	18823	2.29	ng	# 93

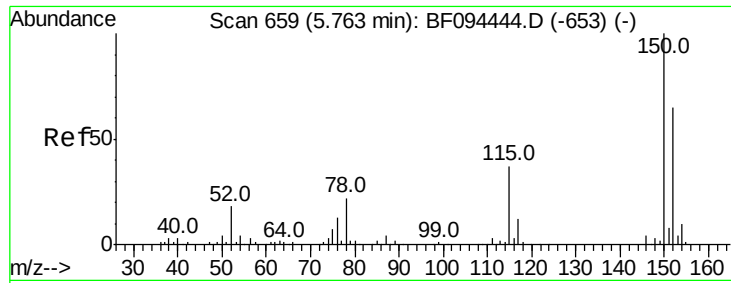
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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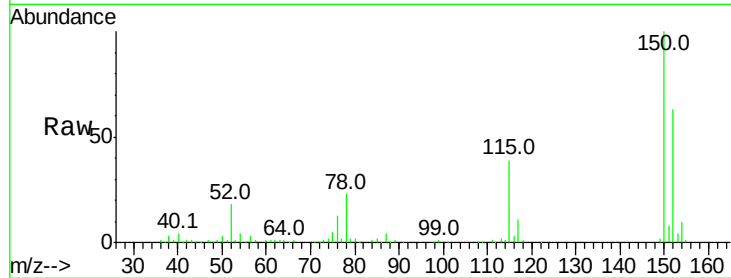


#1

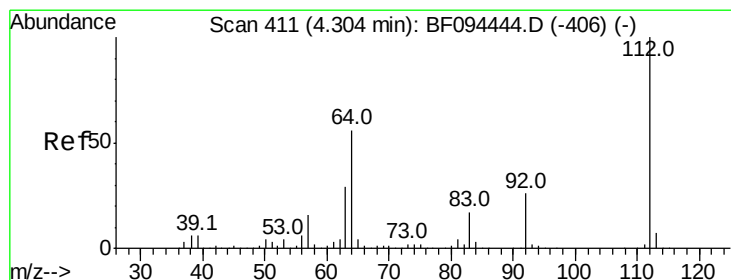
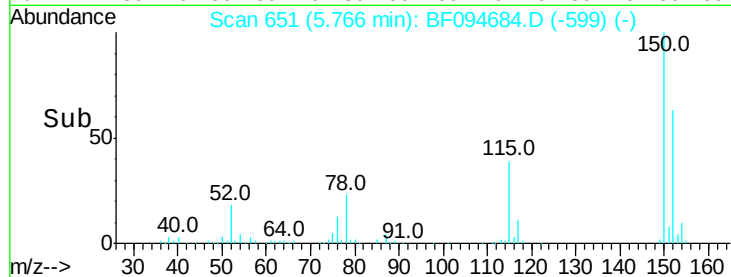
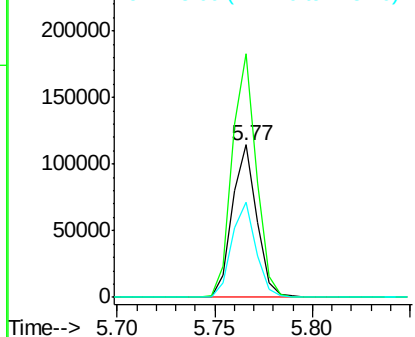
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094684.D
Acq: 28 Apr 2017 15:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 99554
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 62.5 52.2 78.2



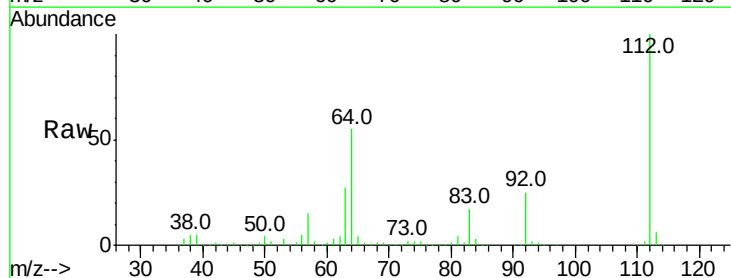
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



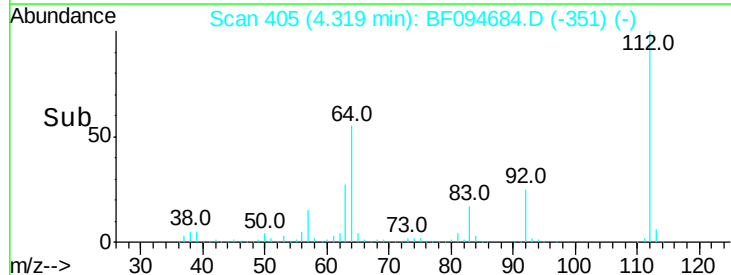
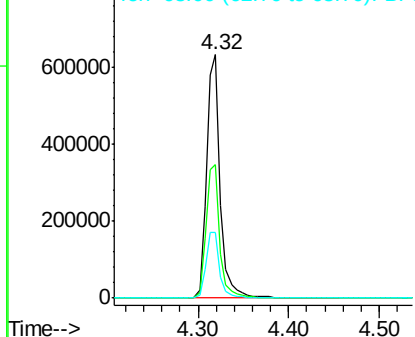
#5

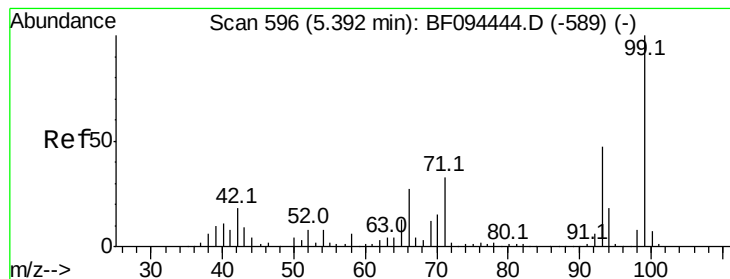
2-Fluorophenol
Concen: 111.16 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094684.D
Acq: 28 Apr 2017 15:32

Tgt Ion:112 Resp: 667049
Ion Ratio Lower Upper
112 100
64 54.8 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: 117.24 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

Instrument :

BNA_F

ClientSampled :

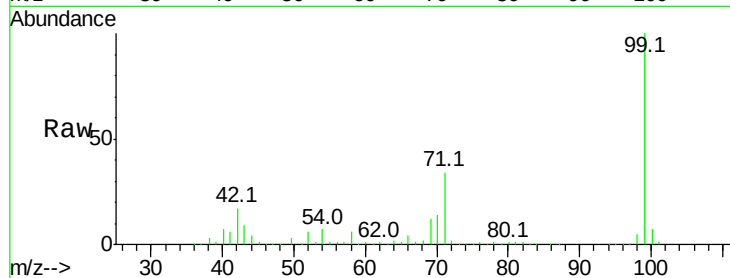
Tot Ion: 99 Resp: 829403

Ion Ratio Lower Upper

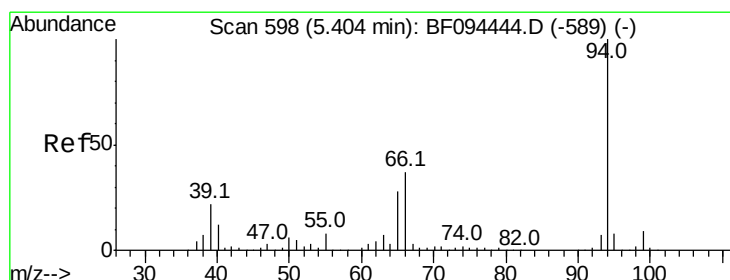
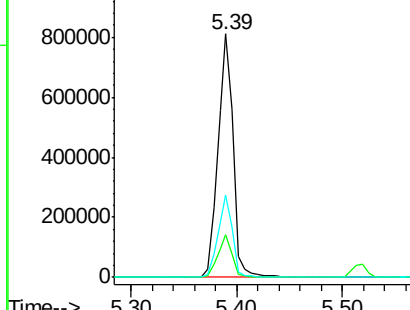
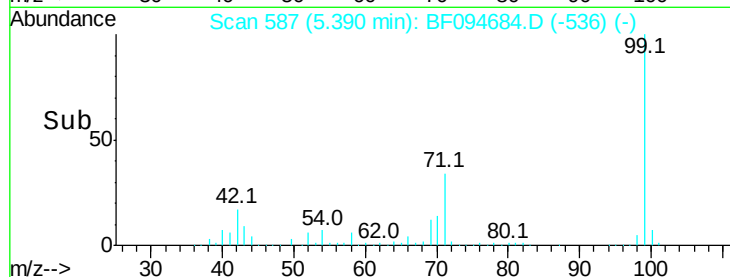
99 100

42 17.4 13.5 20.3

71 34.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.11 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

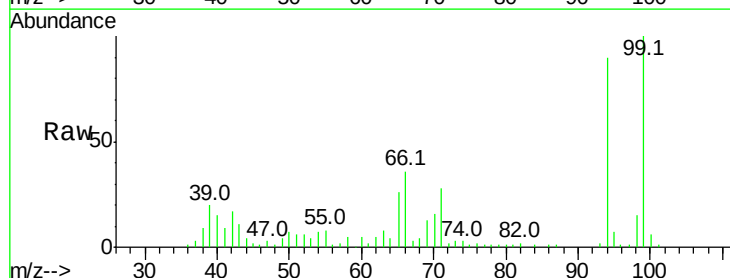
Tgt Ion: 94 Resp: 53078

Ion Ratio Lower Upper

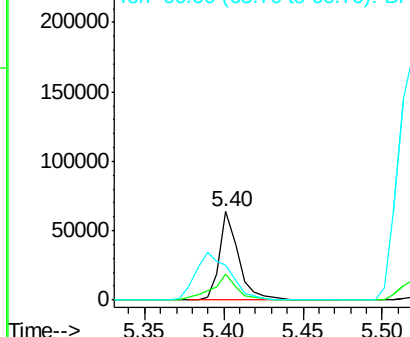
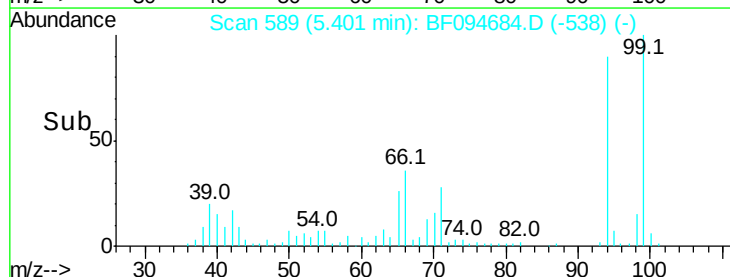
94 100

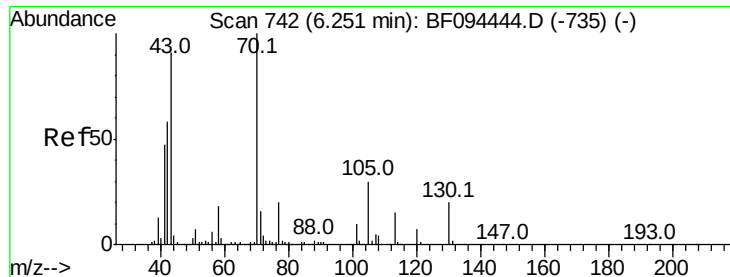
65 29.3 9.9 49.9

66 39.9 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: 14.00 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 65633

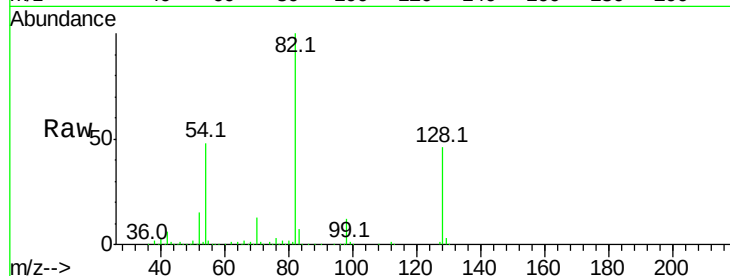
Ion Ratio Lower Upper

70 100

42 45.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

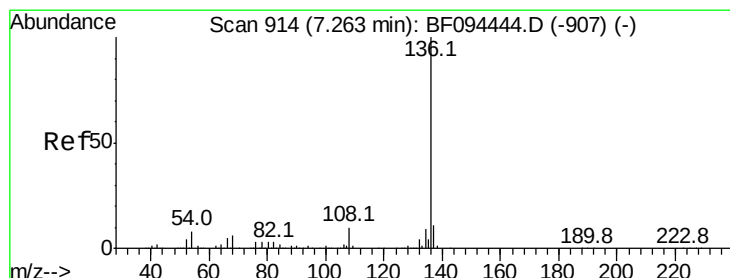
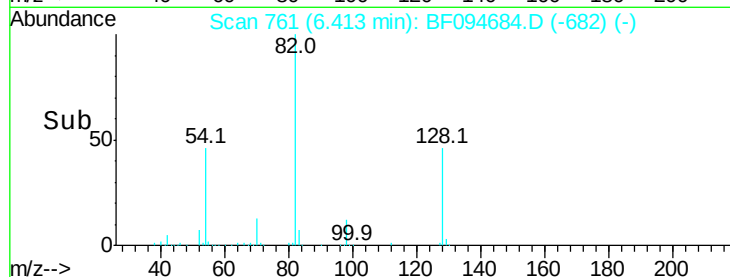
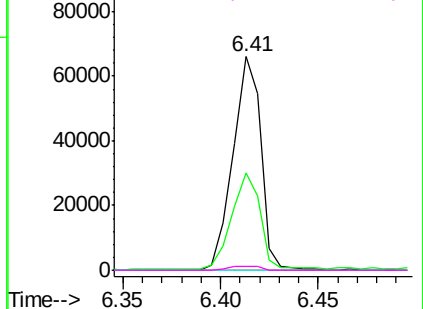


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

Tgt Ion: 136 Resp: 398324

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

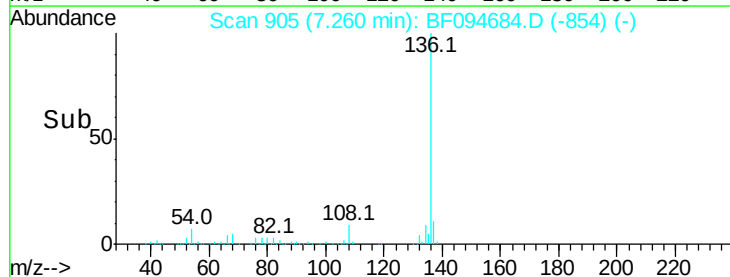
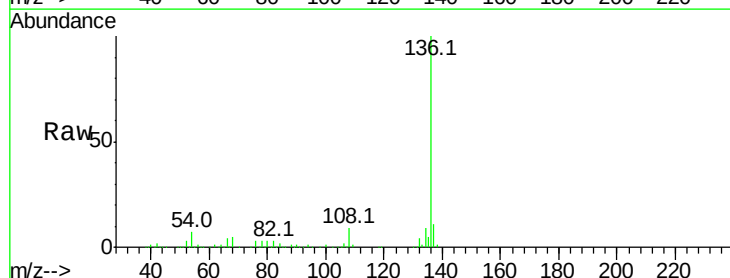
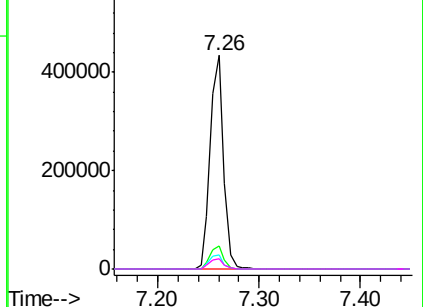
68 5.1 4.1 6.1

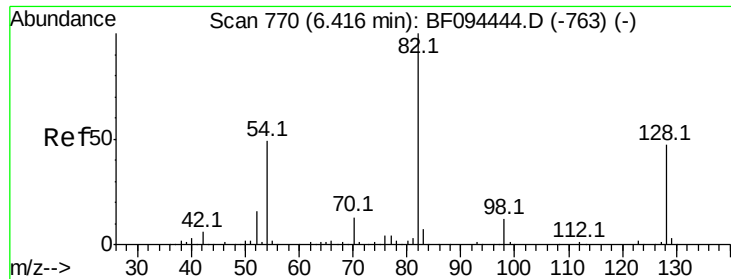
Abundance Ion 136.00 (135.70 to 136.70): E

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

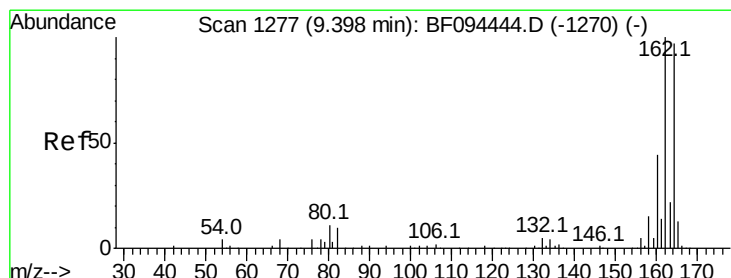
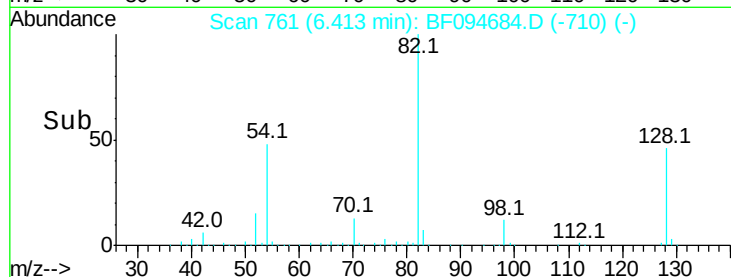
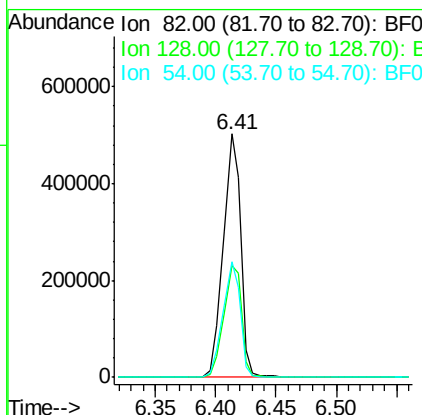
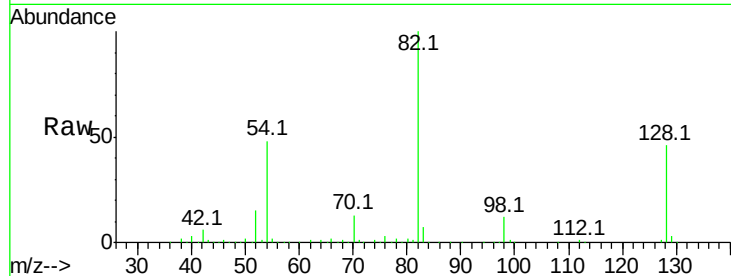




#23
 Nitrobenzene-d5
 Concen: 77.74 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

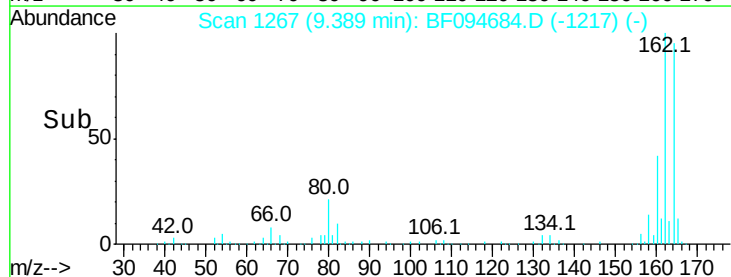
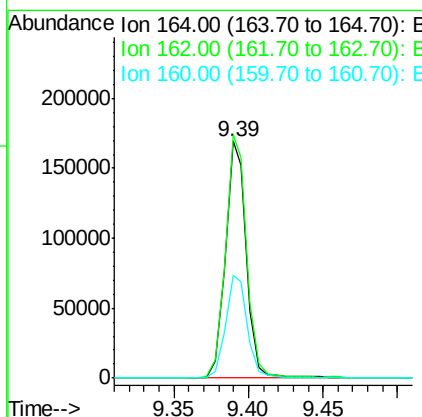
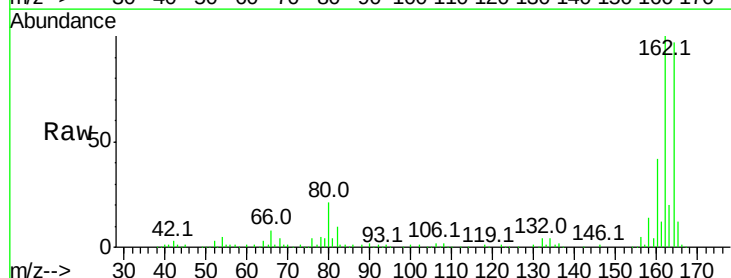
Instrument :
 BNA_F
 ClientSampleId :

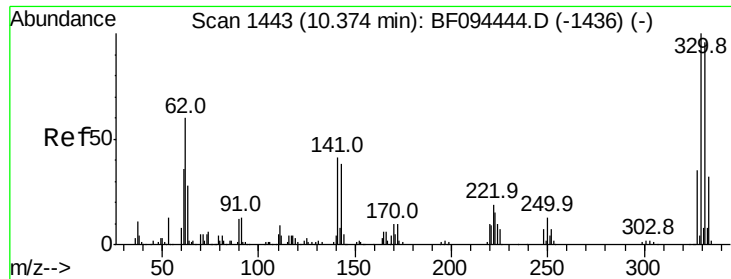
Tot Ion	82	Resp	501475
Ion Ratio	Lower	Upper	
82	100		
128	46.0	34.0	51.0
54	47.7	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Tgt Ion	164	Resp	167958
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.6	123.8
160	43.5	36.2	54.2

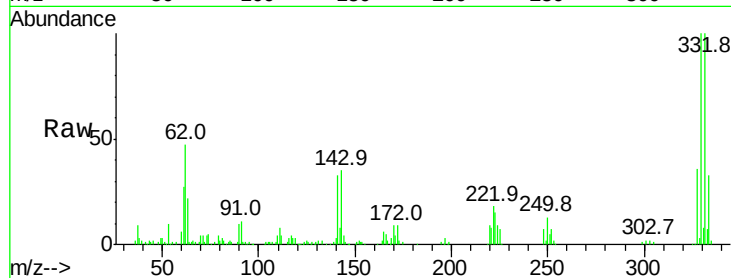




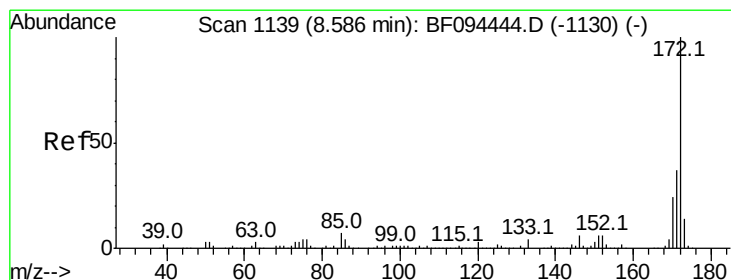
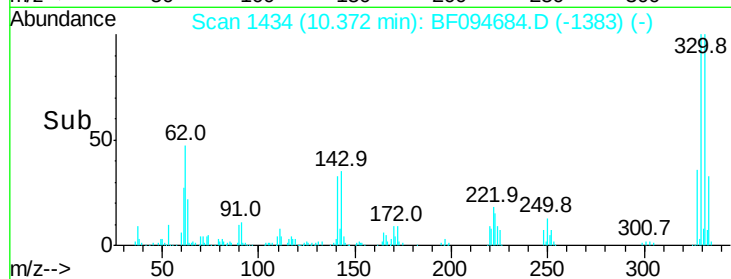
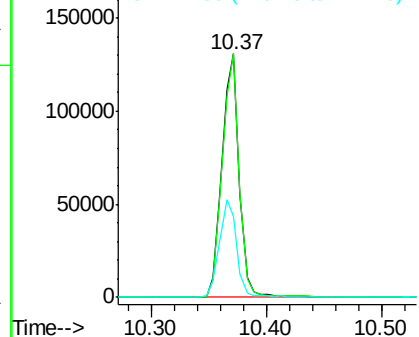
#41
 2,4,6-Tribromophenol
 Concen: 103.22 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 135604
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 40.2 31.4 47.2

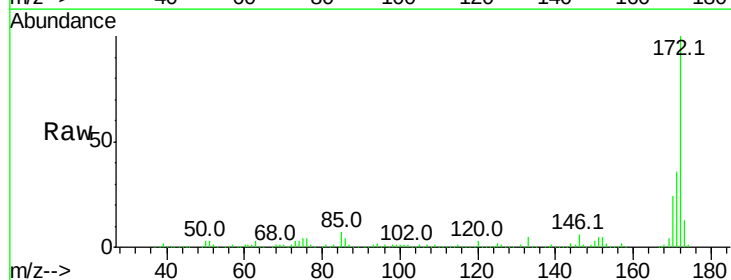


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

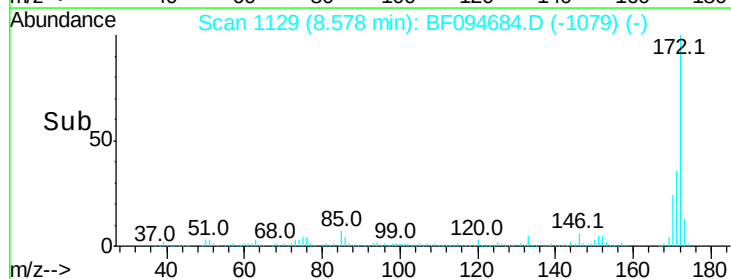
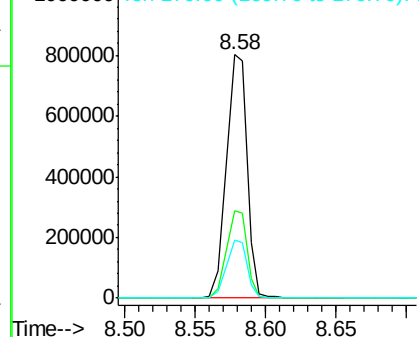


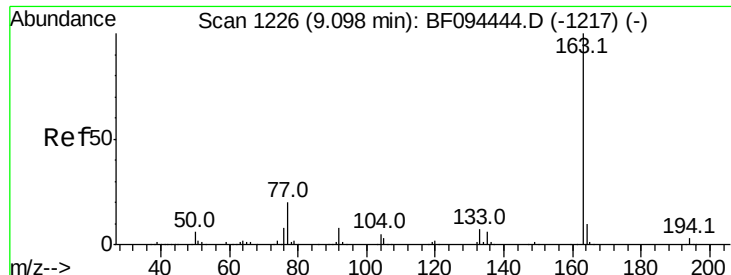
#44
 2-Fluorobiphenyl
 Concen: 71.76 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Tgt Ion:172 Resp: 819109
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.7 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

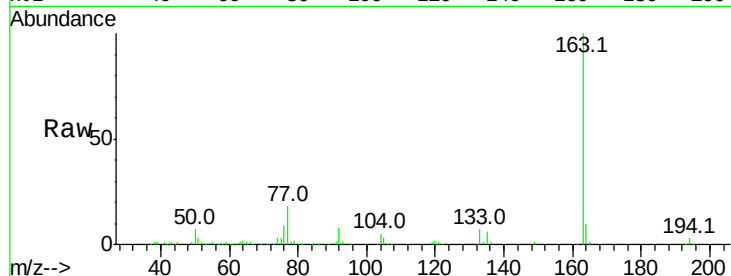




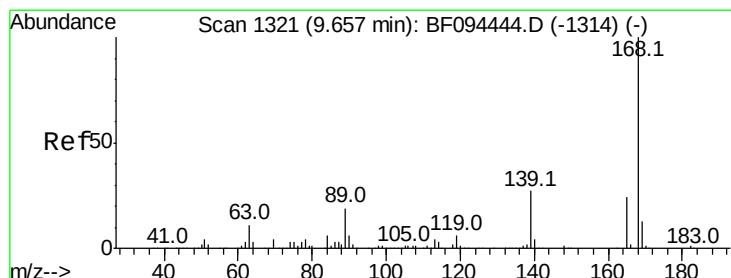
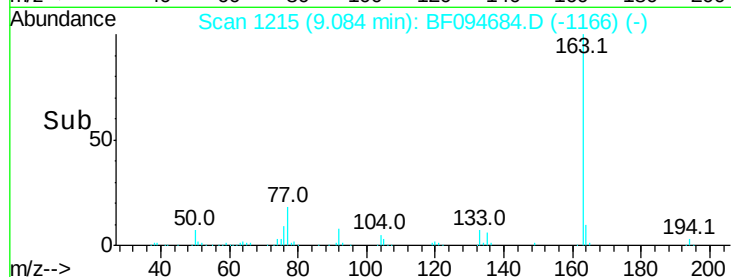
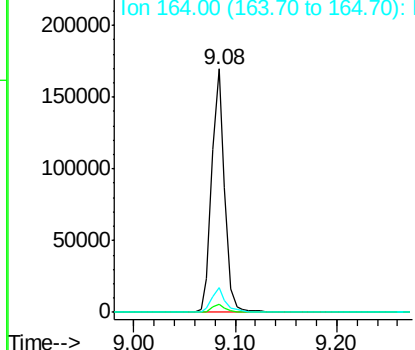
#49
Dimethylphthalate
Concen: 12.03 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094684.D
Acq: 28 Apr 2017 15:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 150584
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.3 8.4 12.6

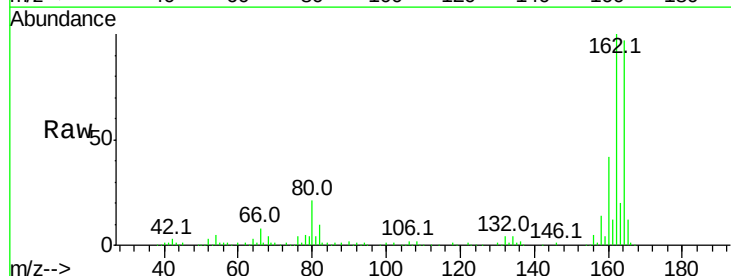


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

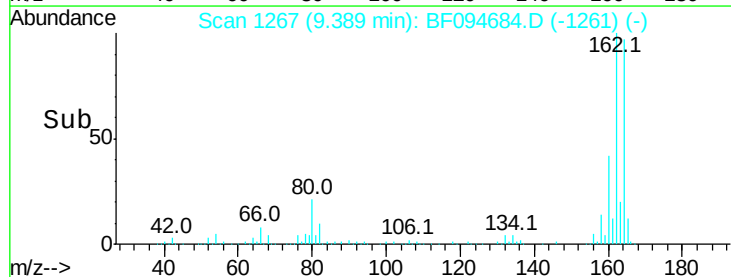
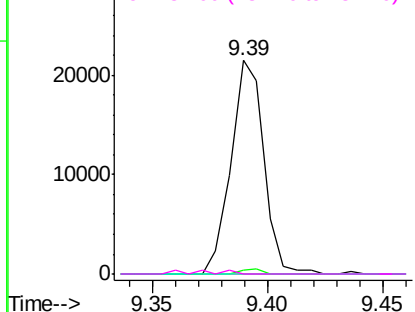


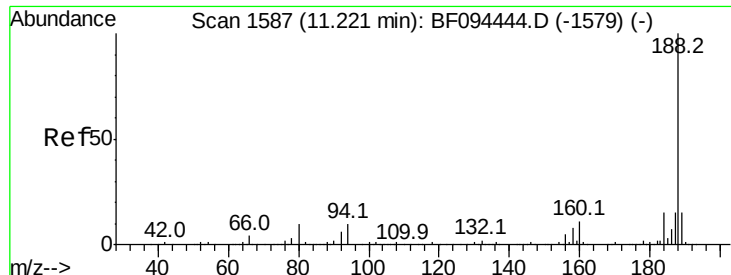
#56
2,4-Dinitrotoluene
Concen: 6.18 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.27 min
Lab File: BF094684.D
Acq: 28 Apr 2017 15:32

Tgt Ion:165 Resp: 21301
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 0.0 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

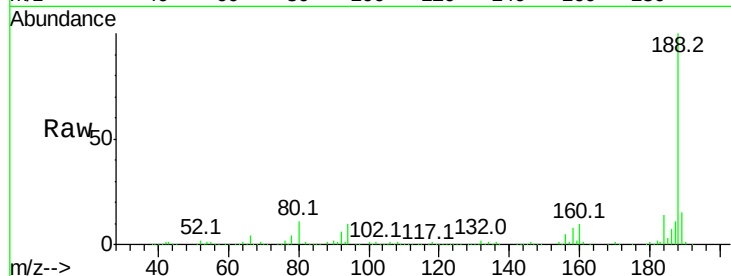




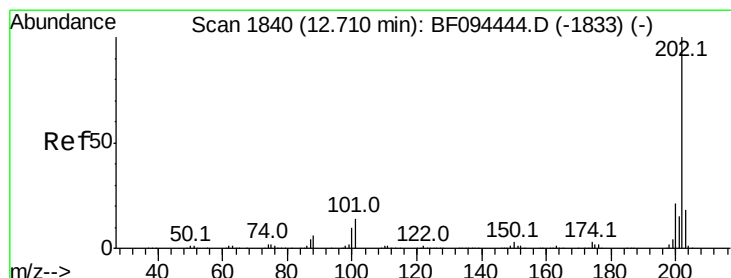
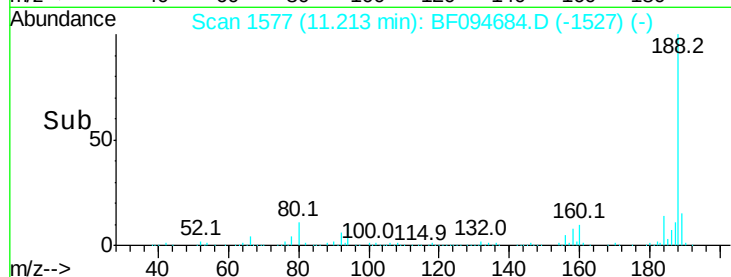
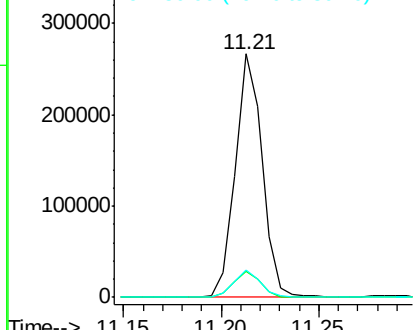
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 255284
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 11.3 10.2 15.2

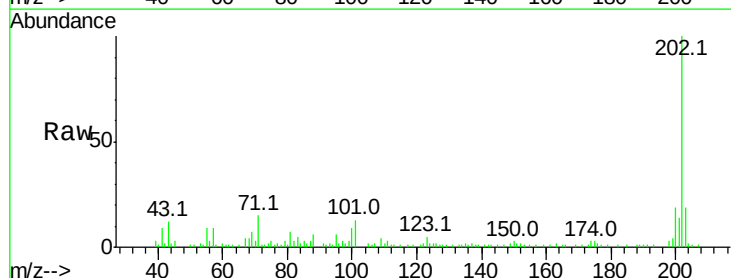


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

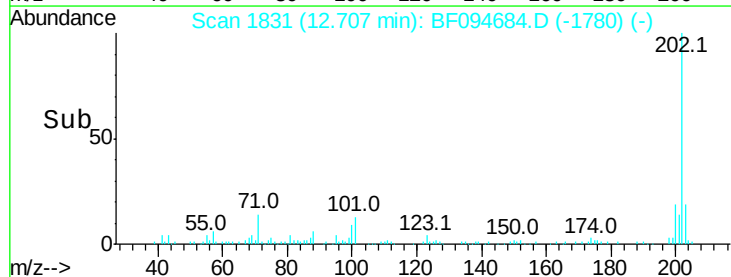
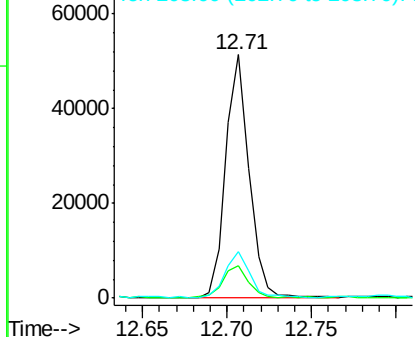


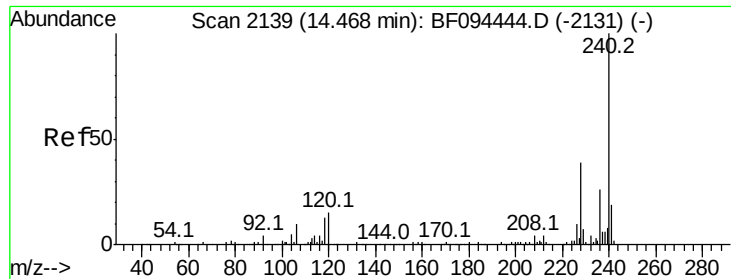
#74
 Fluoranthene
 Concen: 3.35 ng
 RT: 12.71 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Tgt Ion:202 Resp: 49881
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 33.2
 203 19.1 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: BF094684.D

Acq: 28 Apr 2017 15:32

Instrument :

BNA_F

ClientSampleId :

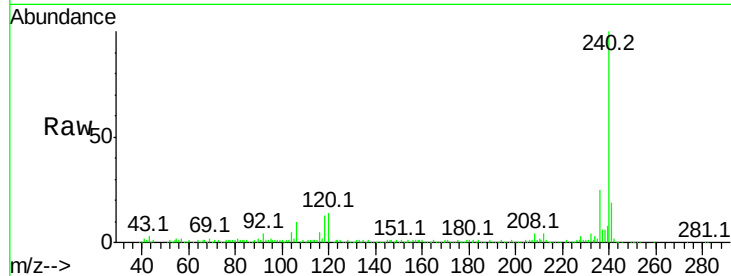
Tot Ion:240 Resp: 214030

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

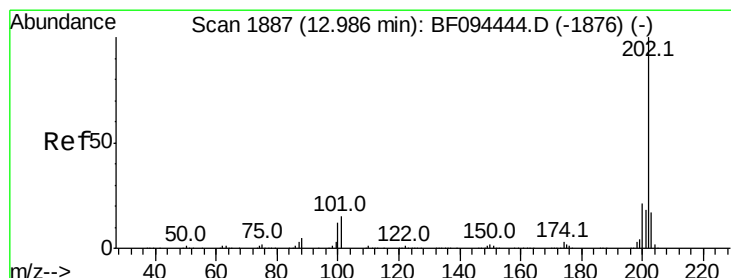
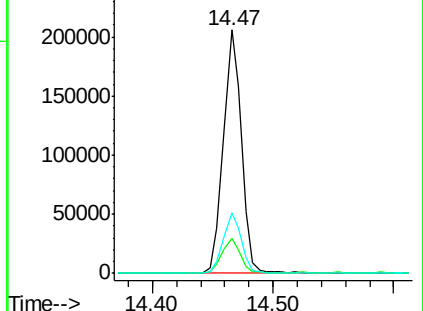
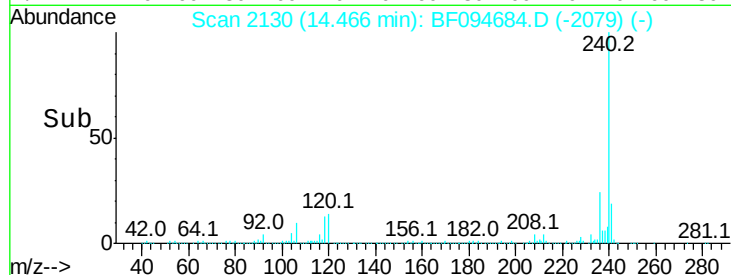
236 24.6 20.5 30.7



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: 2.80 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

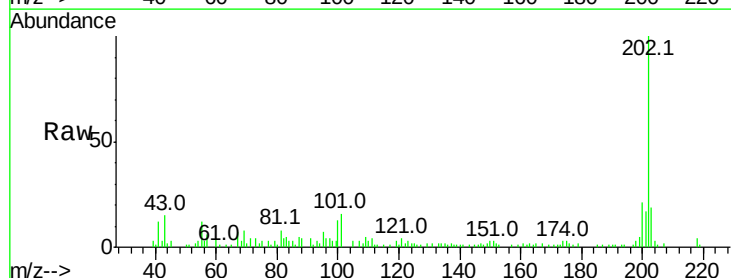
Tgt Ion:202 Resp: 41849

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

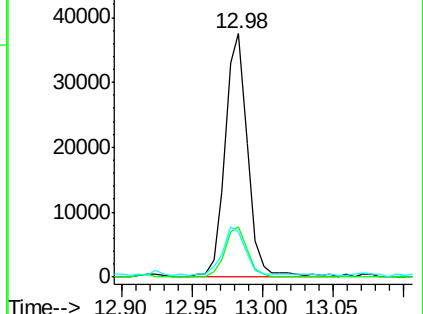
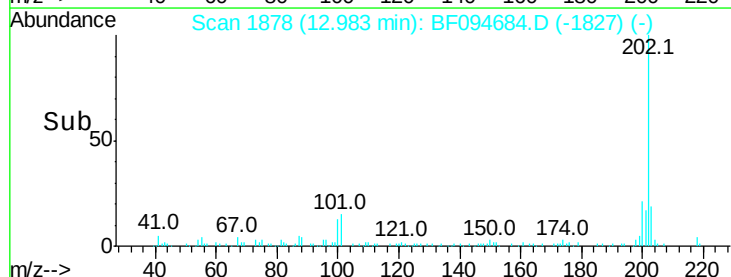
203 18.8 14.4 21.6

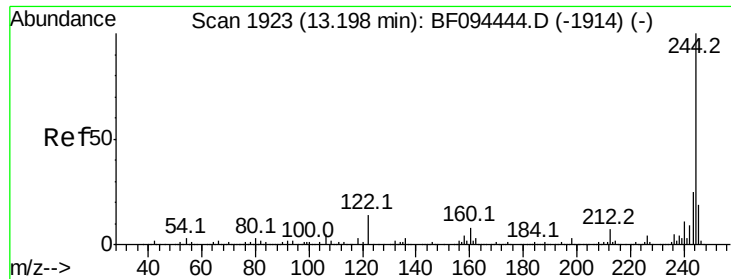


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

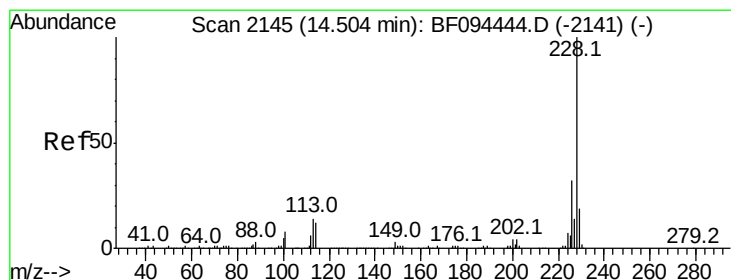
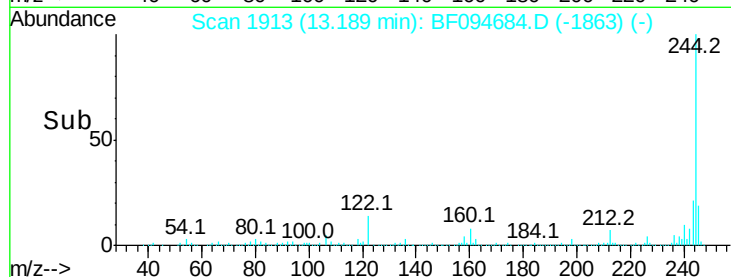
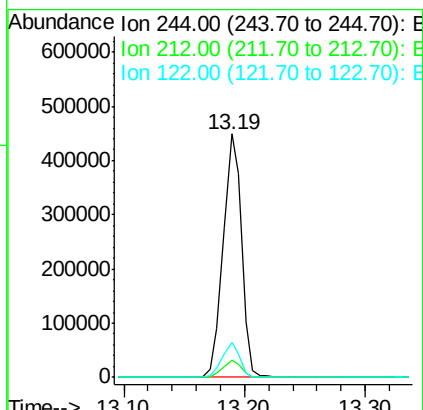
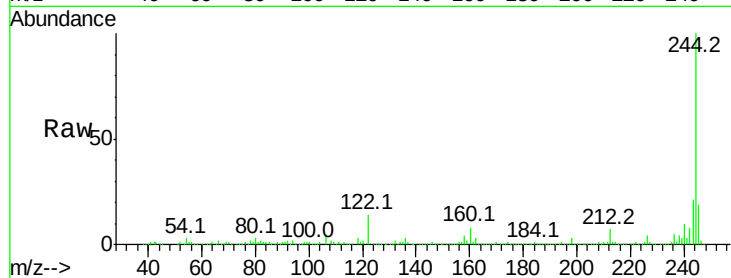




#78
 Terphenyl-d14
 Concen: 59.01 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

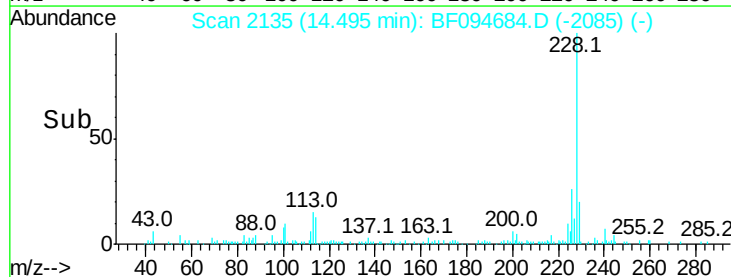
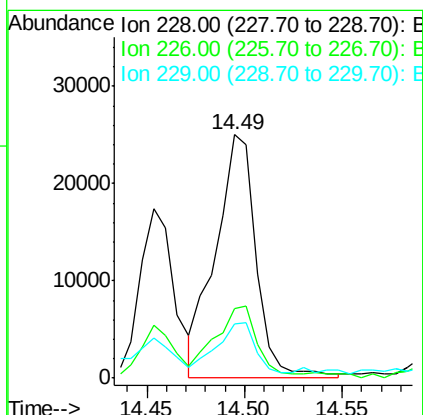
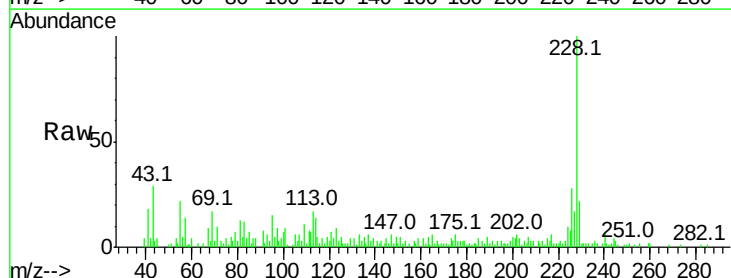
Instrument :
 BNA_F
 ClientSampleId :

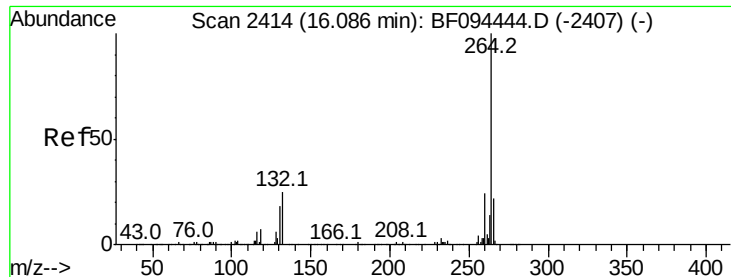
Tot Ion:244 Resp: 472540
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.4 10.3 15.5



#82
 Chrysene
 Concen: 3.20 ng
 RT: 14.49 min Scan# 2135
 Delta R.T. -0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Tgt Ion:228 Resp: 36342
 Ion Ratio Lower Upper
 228 100
 226 28.3 24.9 37.3
 229 22.0 15.8 23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

Instrument :

BNA_F

ClientSampleId :

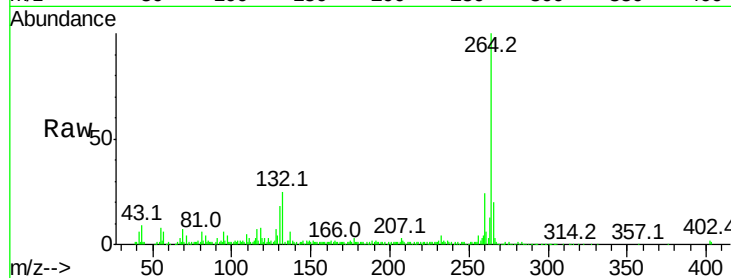
Tot Ion:264 Resp: 170701

Ion Ratio Lower Upper

264 100

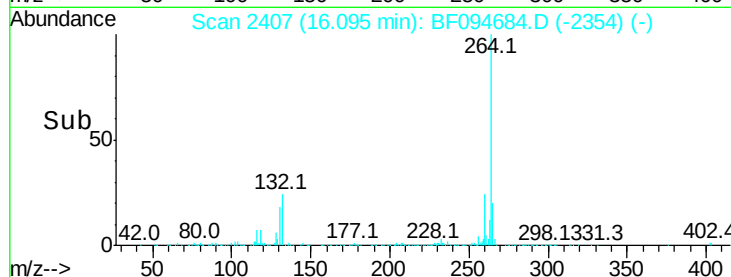
260 24.2 19.5 29.3

265 20.3 17.2 25.8

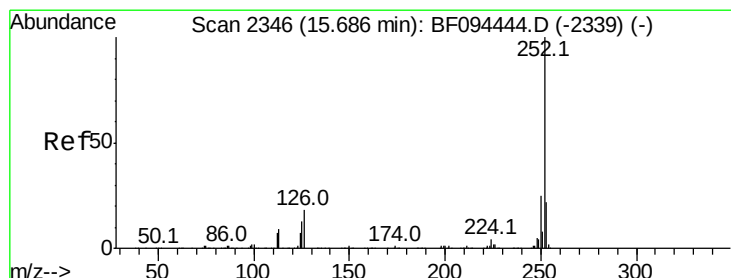


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

16.09



Time--> 16.00 16.10 16.20



#87

Benzo(b)fluoranthene

Concen: 6.08 ng

RT: 15.69 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BF094684.D

Acq: 28 Apr 2017 15:32

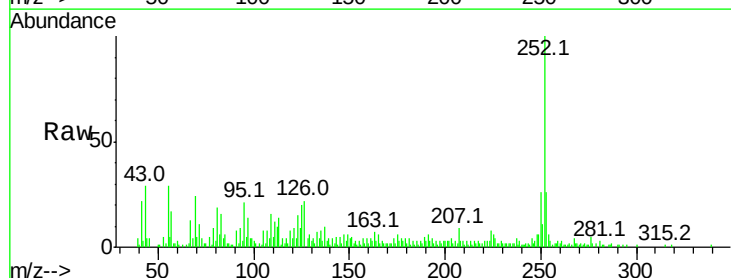
Tgt Ion:252 Resp: 63527

Ion Ratio Lower Upper

252 100

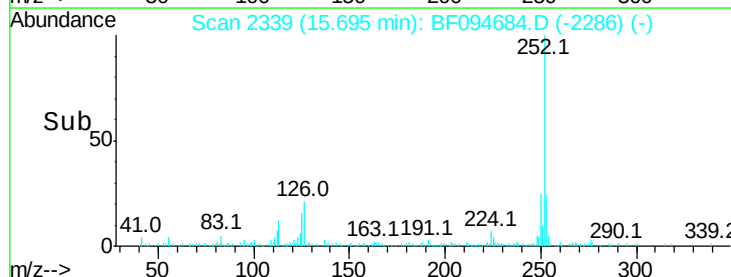
253 25.7 18.1 27.1

125 20.5 9.8 14.8#

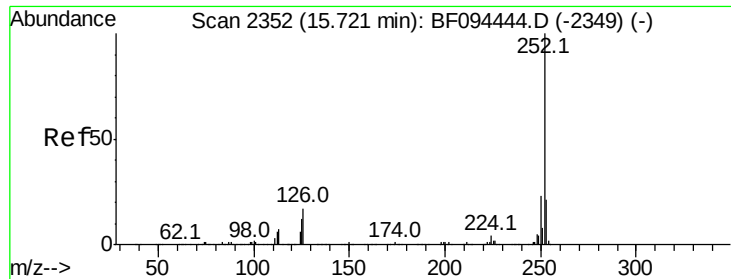


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

15.69



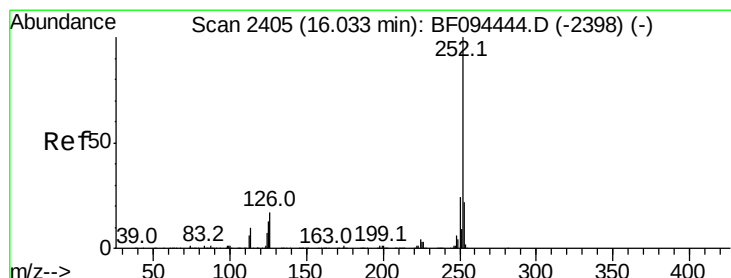
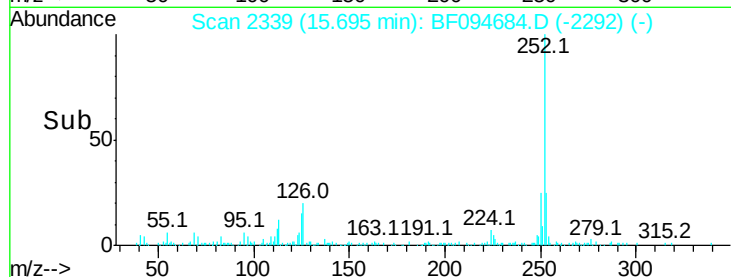
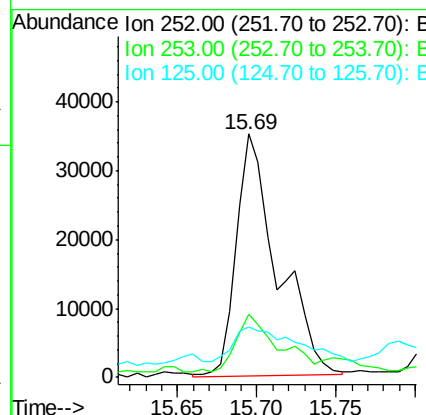
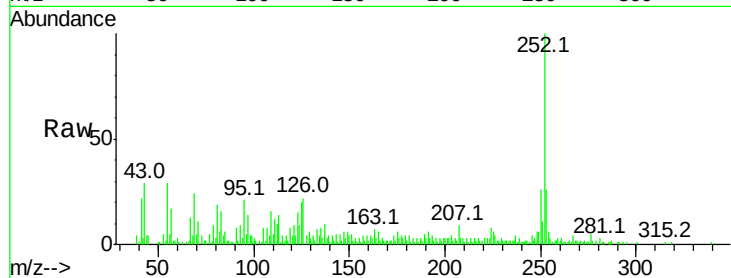
Time--> 15.65 15.70 15.75



#88
 Benzo(k)fluoranthene
 Concen: 6.43 ng
 RT: 15.69 min Scan# 2339
 Delta R.T. -0.03 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

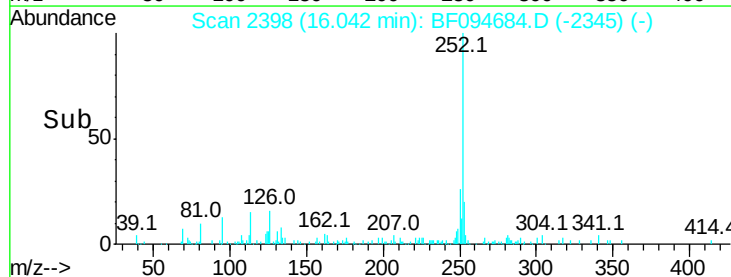
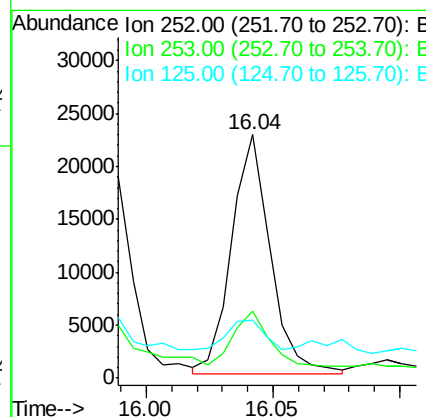
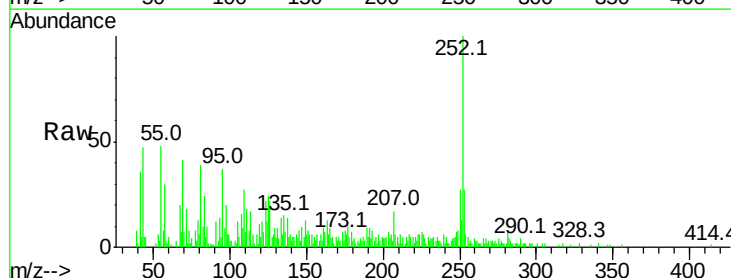
Instrument :
 BNA_F
 ClientSampleId :

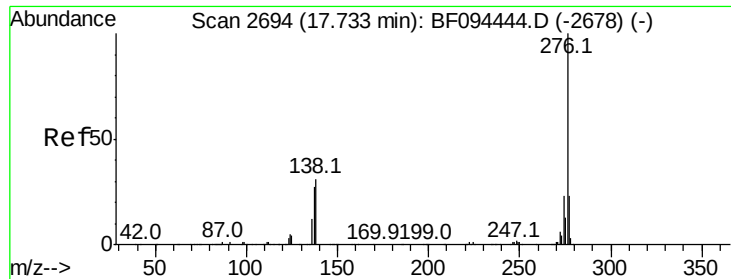
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.4	27.6
125	20.5	13.1	19.7



#89
 Benzo(a)pyrene
 Concen: 2.46 ng
 RT: 16.04 min Scan# 2398
 Delta R.T. 0.01 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.5	26.3
125	23.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.29 ng
 RT: 17.77 min Scan# 2692
 Delta R.T. 0.04 min
 Lab File: BF094684.D
 Acq: 28 Apr 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 18823
 Ion Ratio Lower Upper
 276 100
 277 31.2 18.6 28.0#
 138 31.8 25.4 38.0

