

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094685.D
 Acq On : 28 Apr 2017 16:00
 Operator : SJ/MA
 Sample : I2828-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 19:00:08 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

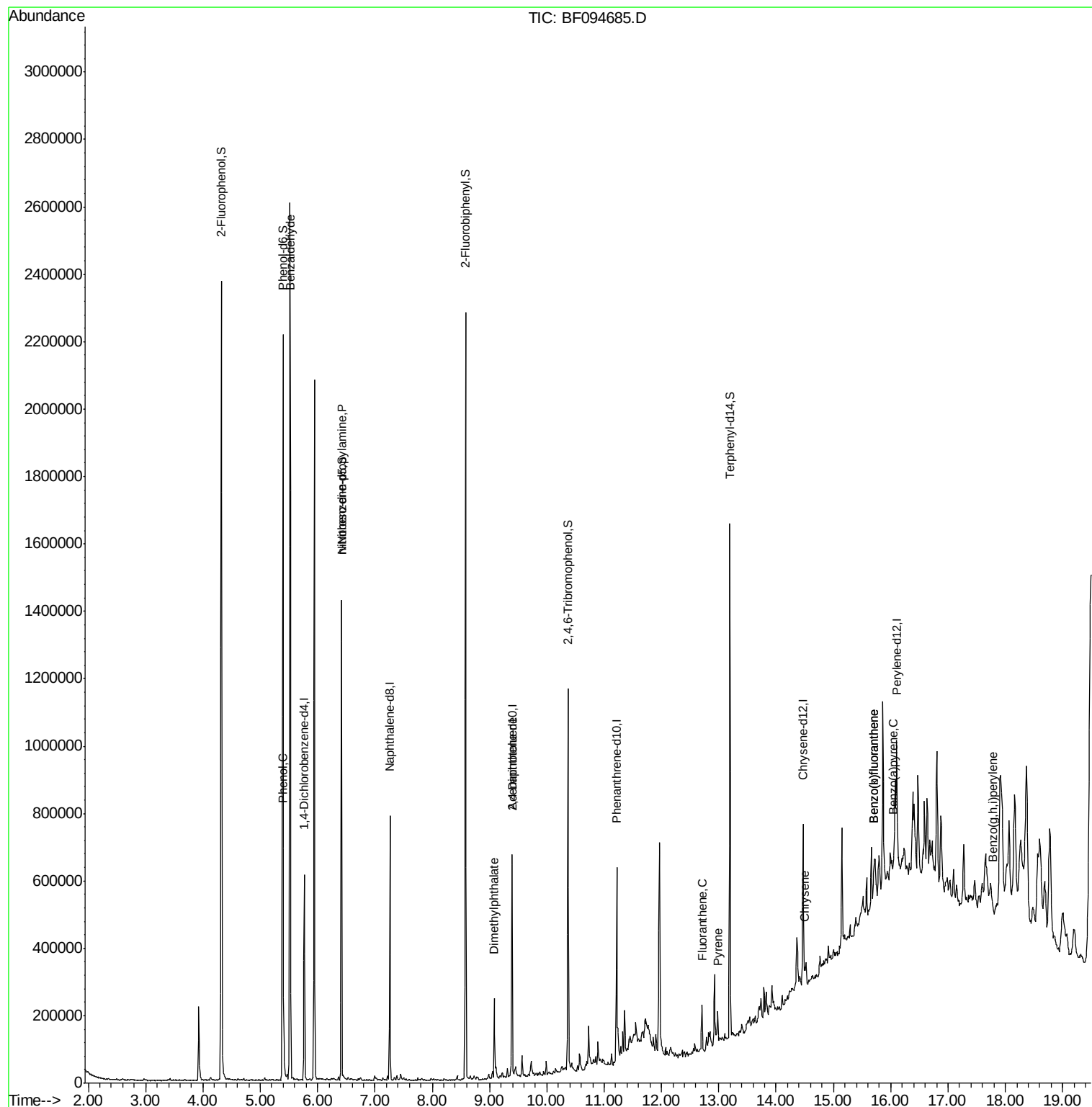
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	94142	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	360681	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	146684	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	230563	20.00	ng	0.00
75) Chrysene-d12	14.47	240	192818	20.00	ng	0.00
86) Perylene-d12	16.10	264	136415	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	701428	123.61	ng	0.01
7) Phenol-d6	5.40	99	840177	125.59	ng	0.00
23) Nitrobenzene-d5	6.42	82	502491	86.03	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	135222	117.86	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	829019	83.16	ng	0.00
78) Terphenyl-d14	13.19	244	509915	70.69	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	14180	2.79	ng	87
10) Phenol	5.41	94	53014	6.45	ng	87
19) n-Nitroso-di-n-propylamine	6.42	70	66746	15.06	ng	# 77
49) Dimethylphthalate	9.08	163	95843	8.77	ng	99
56) 2,4-Dinitrotoluene	9.39	165	19237	6.39	ng	# 33
74) Fluoranthene	12.71	202	37209	2.77	ng	99
77) Pyrene	12.98	202	27940	2.07	ng	97
82) Chrysene	14.50	228	27422	2.68	ng	# 93
87) Benzo(b)fluoranthene	15.70	252	46811	5.61	ng	# 79
88) Benzo(k)fluoranthene	15.70	252	46811	5.93	ng	# 82
89) Benzo(a)pyrene	16.04	252	19136	2.46	ng	# 65
91) Benzo(a,h,i)perylene	17.79	276	14906	2.27	ng	# 70

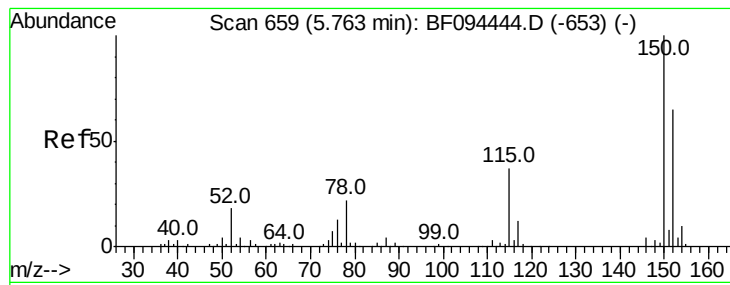
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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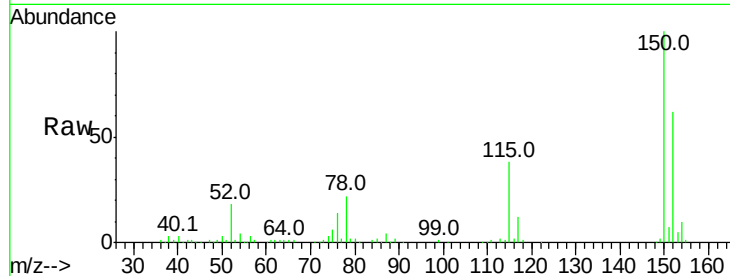


#1

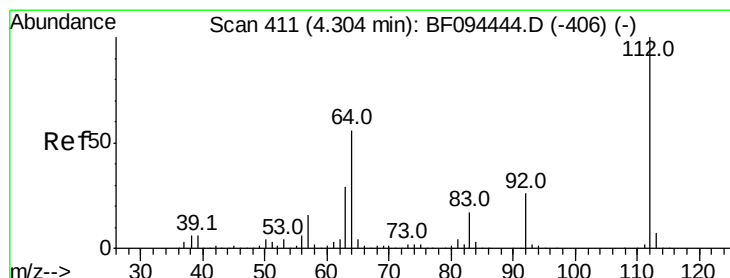
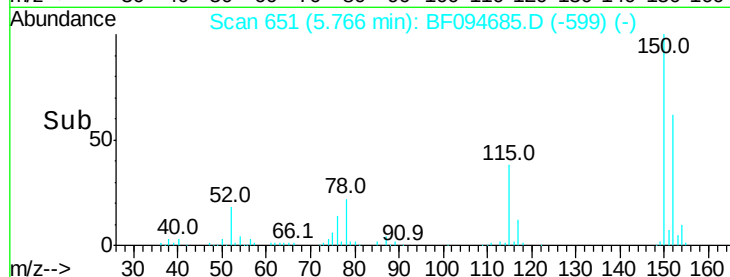
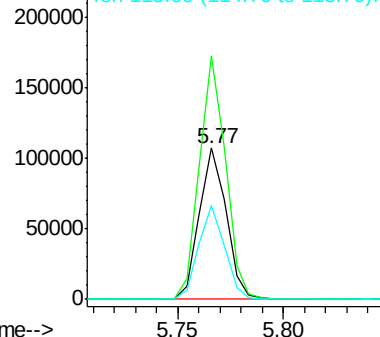
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94142
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 61.8 52.2 78.2



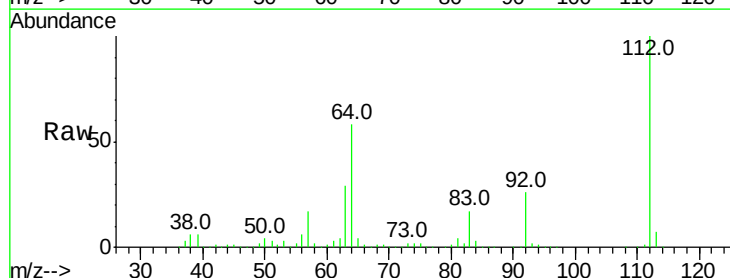
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



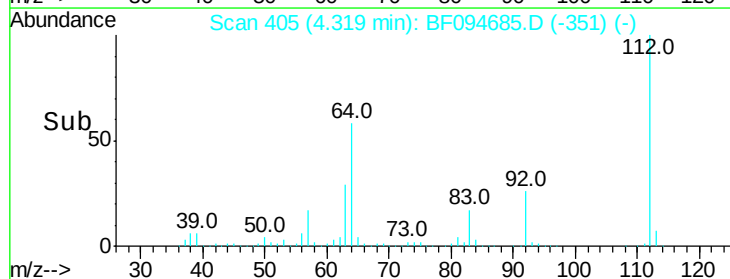
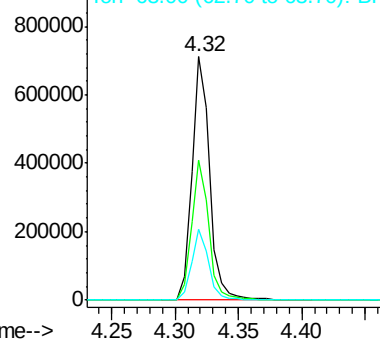
#5

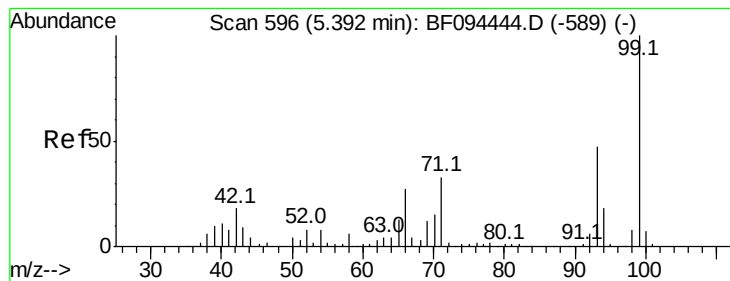
2-Fluorophenol
Concen: 123.61 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.01 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

Tgt Ion:112 Resp: 701428
Ion Ratio Lower Upper
112 100
64 57.6 46.0 69.0
63 29.2 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: 125.59 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

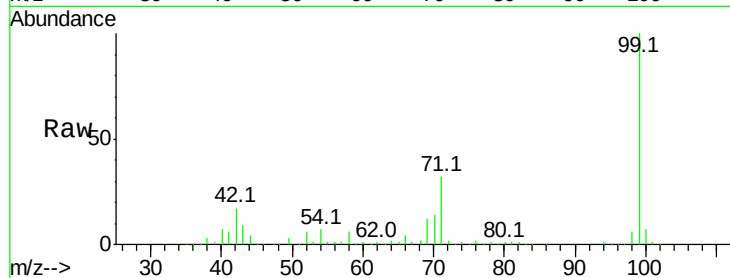
Tot Ion: 99 Resp: 840177

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

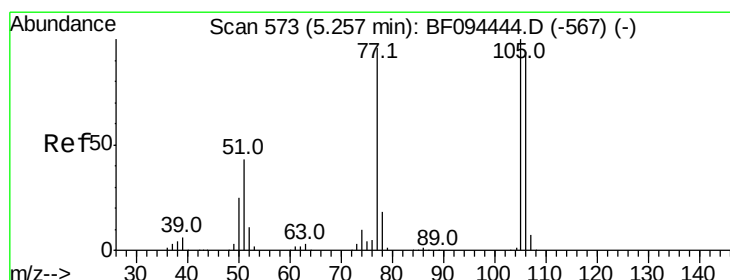
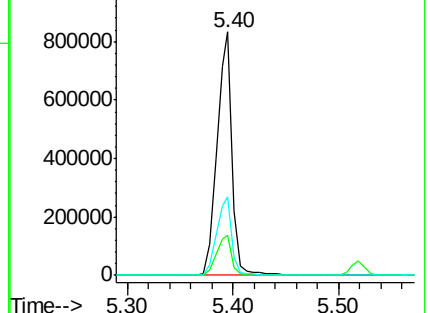
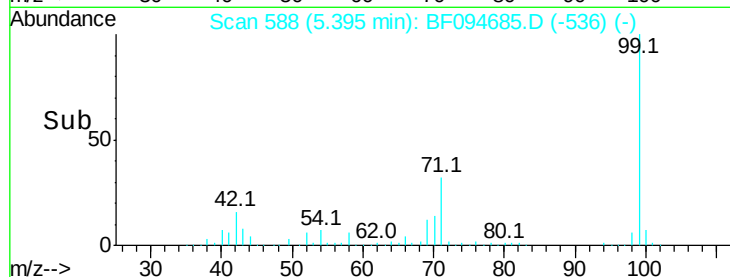
71 32.4 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.79 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

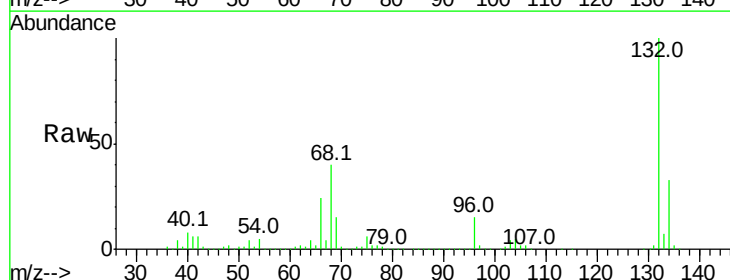
Tgt Ion: 77 Resp: 14180

Ion Ratio Lower Upper

77 100

105 89.0 83.8 123.8

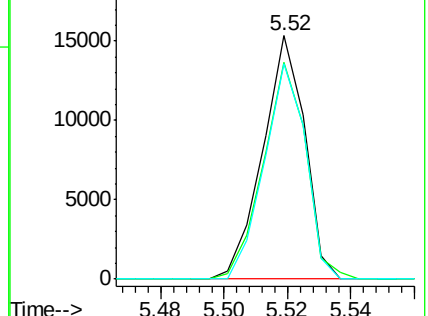
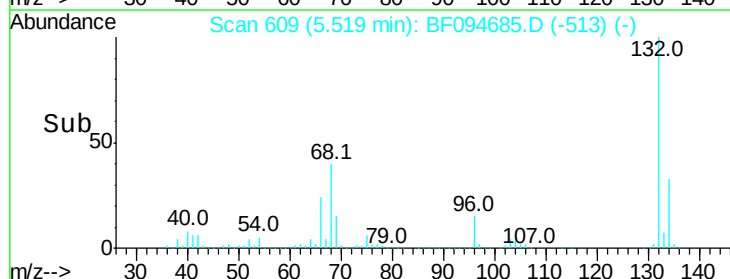
106 88.6 79.1 119.1

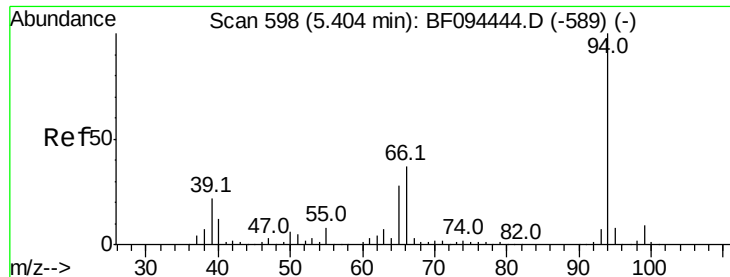


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.45 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampled :

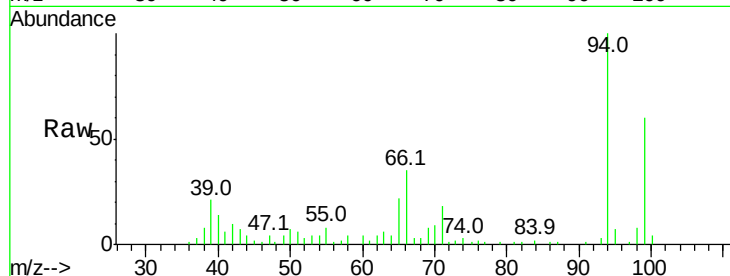
Tot Ion: 94 Resp: 53014

Ion Ratio Lower Upper

94 100

65 22.4 9.9 49.9

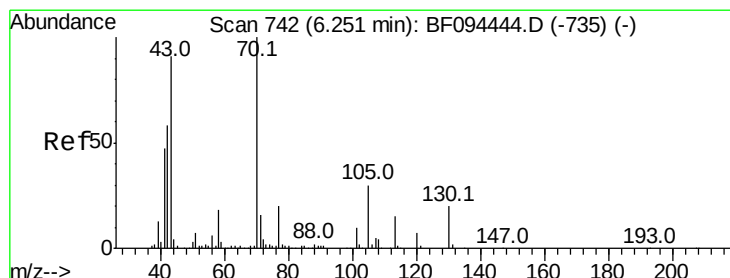
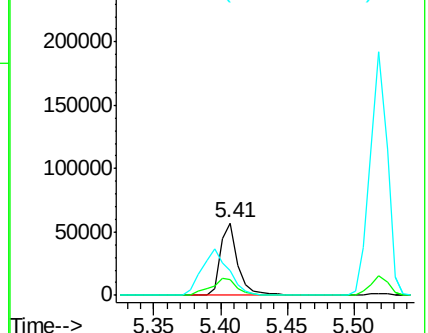
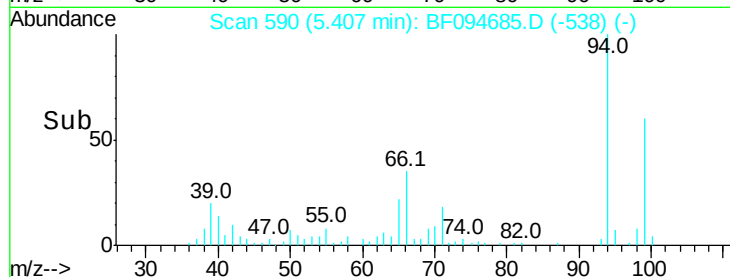
66 34.8 23.1 63.1



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: 15.06 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Tgt Ion: 70 Resp: 66746

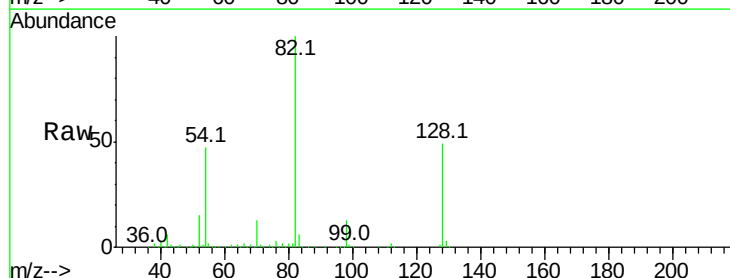
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

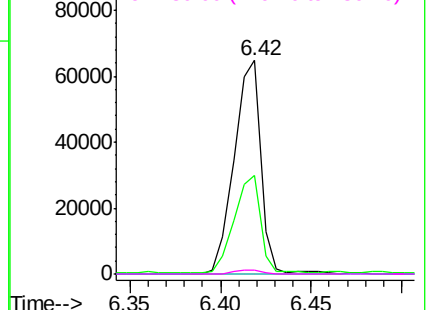
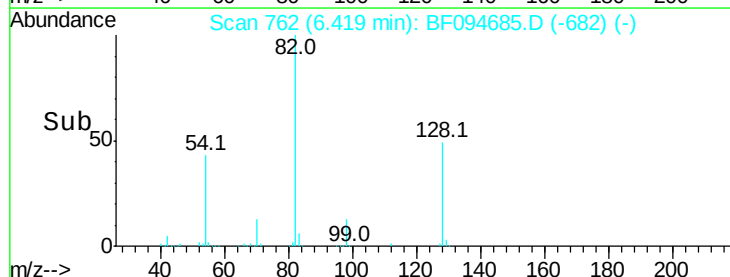


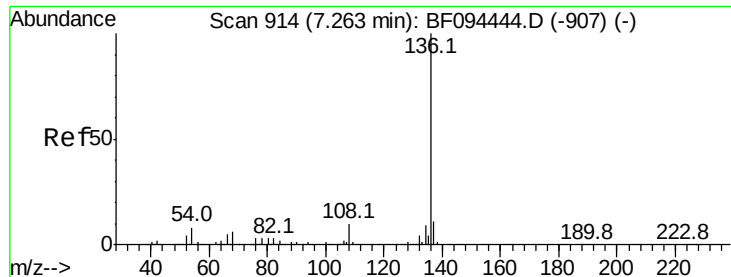
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 360681

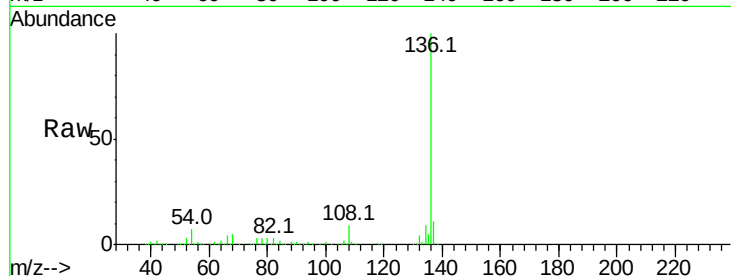
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.0 4.9 7.3

68 5.4 4.1 6.1

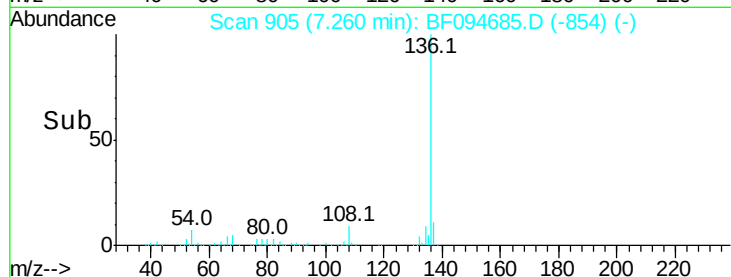


Abundance Ion 136.00 (135.70 to 136.70): E

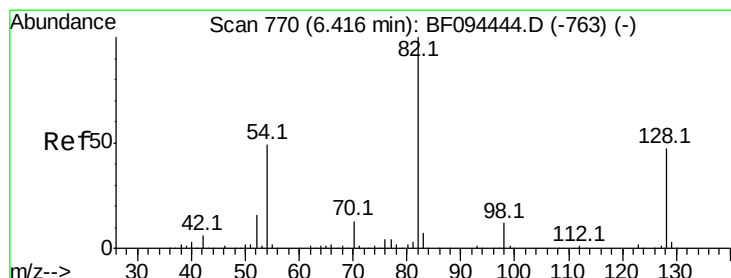
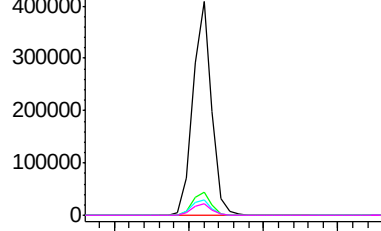
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 86.03 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

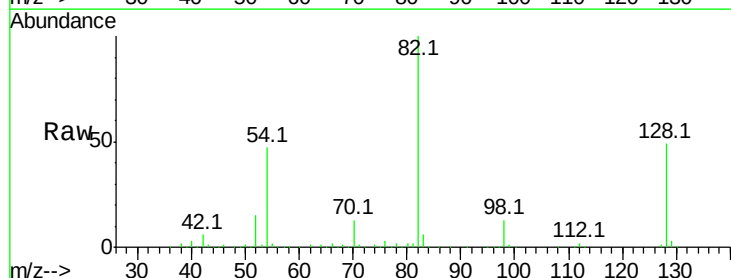
Tgt Ion: 82 Resp: 502491

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

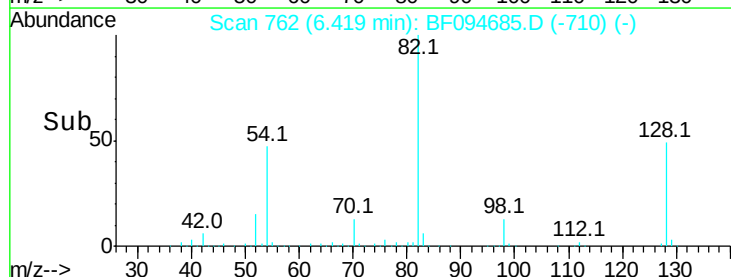
54 46.8 42.2 63.2



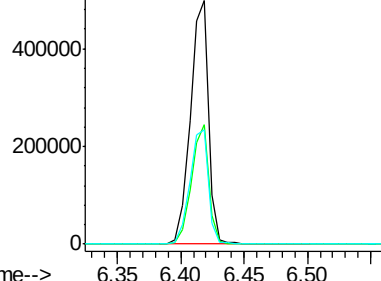
Abundance Ion 82.00 (81.70 to 82.70): BF0

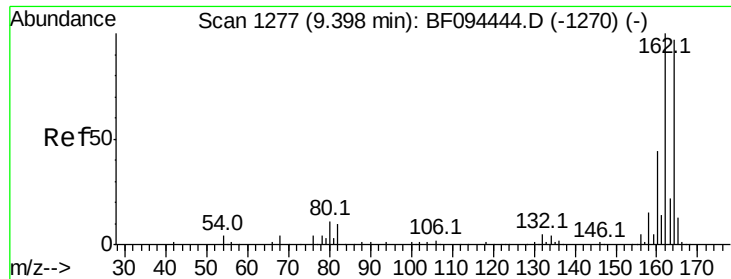
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

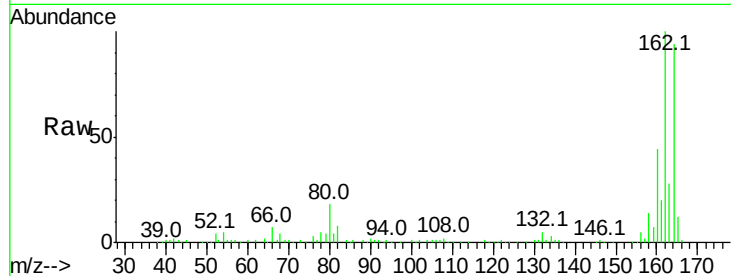




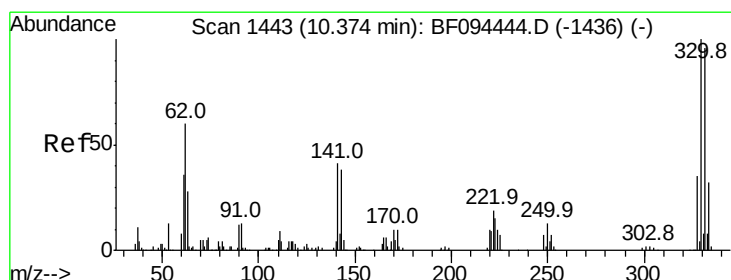
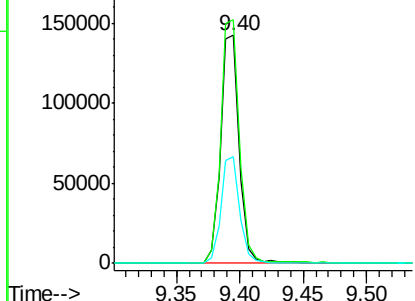
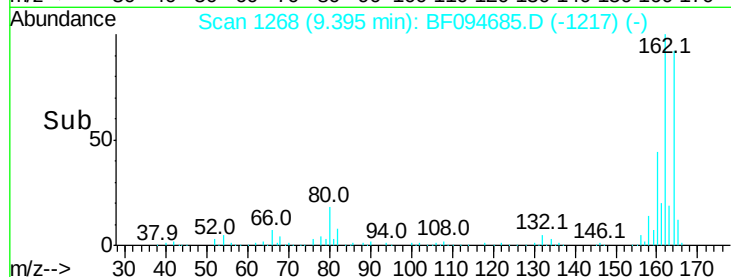
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 146684
Ion Ratio Lower Upper
164 100
162 106.8 82.6 123.8
160 46.9 36.2 54.2

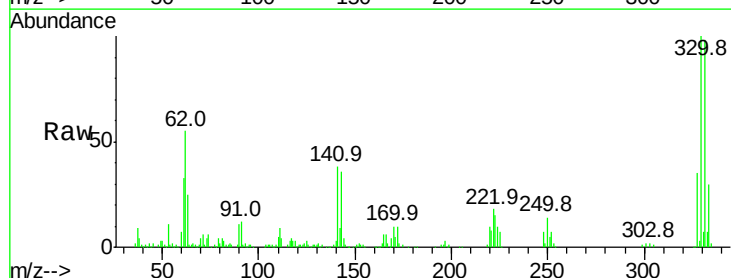


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

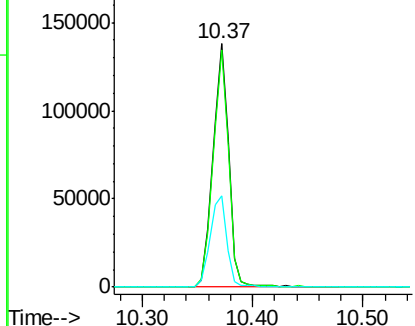
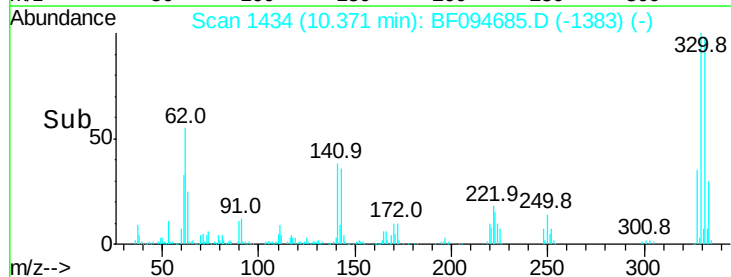


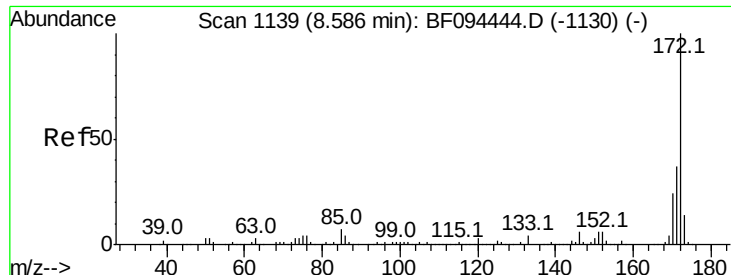
#41
2,4,6-Tribromophenol
Concen: 117.86 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

Tgt Ion:330 Resp: 135222
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 39.4 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

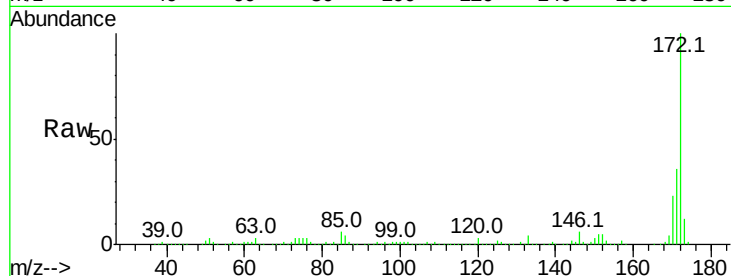




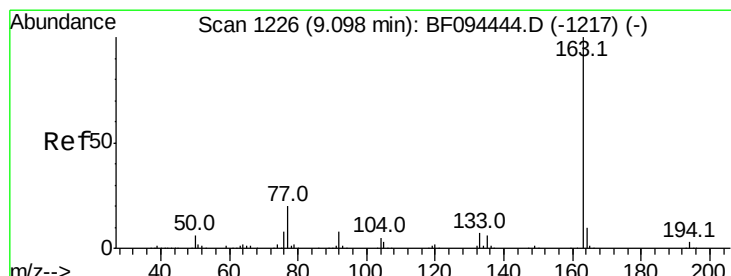
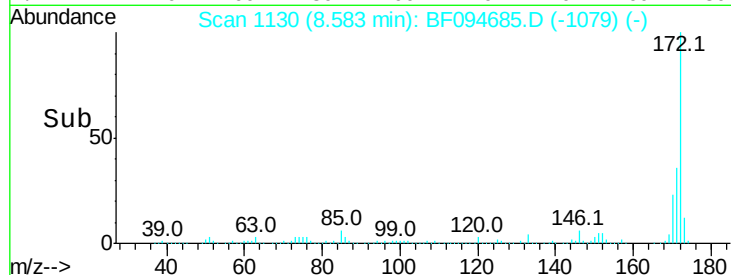
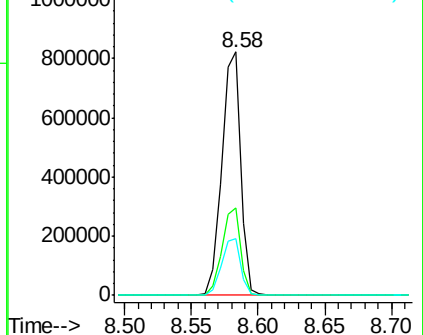
#44
 2-Fluorobiphenyl
 Concen: 83.16 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094685.D
 Acq: 28 Apr 2017 16:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 829019
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.4 19.8 29.8

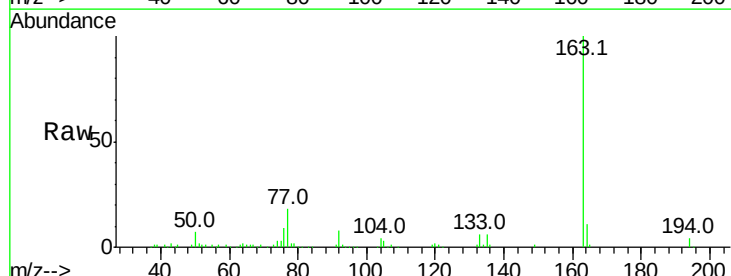


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

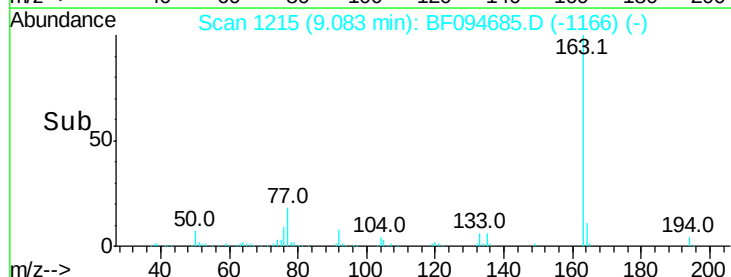
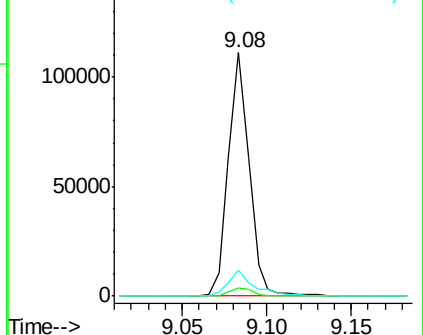


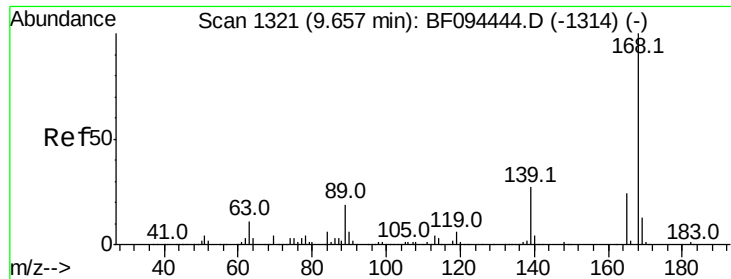
#49
 Dimethylphthalate
 Concen: 8.77 ng
 RT: 9.08 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF094685.D
 Acq: 28 Apr 2017 16:00

Tgt Ion:163 Resp: 95843
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.7 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

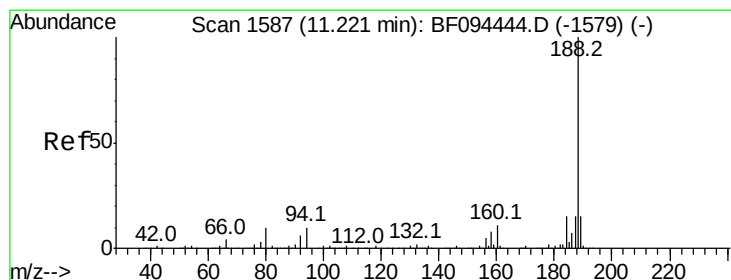
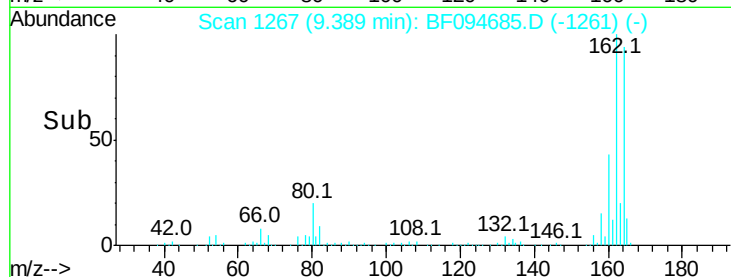
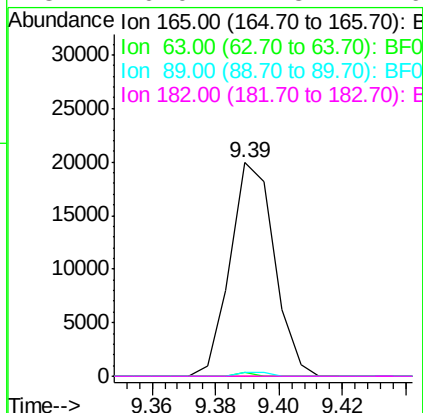
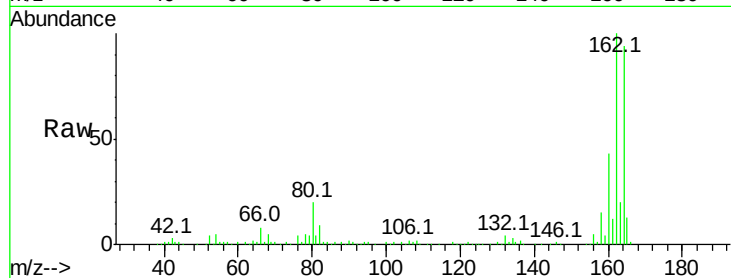




#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094685.D
 Acq: 28 Apr 2017 16:00

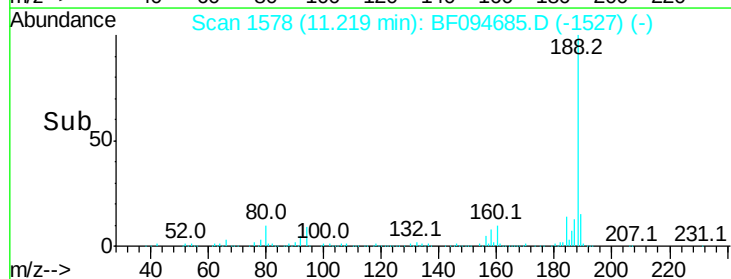
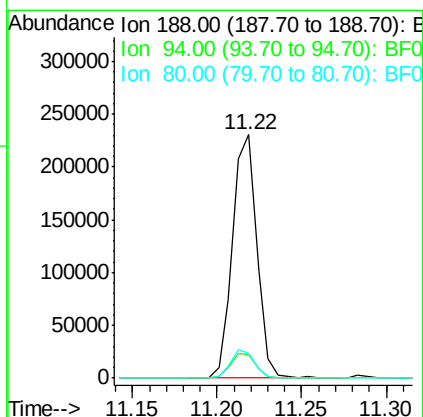
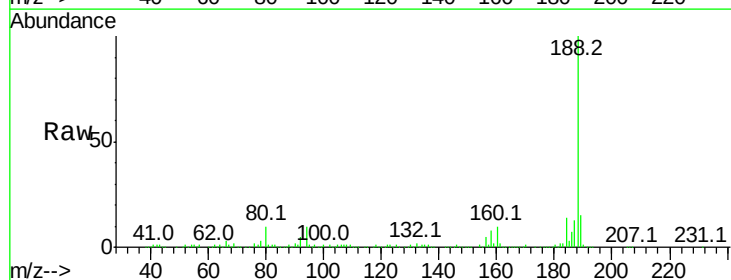
Instrument :
 BNA_F
 ClientSampleId :

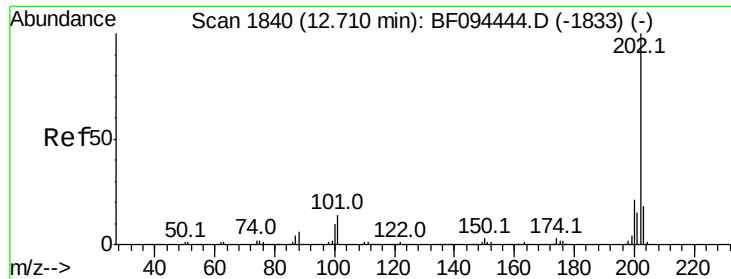
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF094685.D
 Acq: 28 Apr 2017 16:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	10.2	10.2	15.2#





#74

Fluoranthene

Concen: 2.77 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

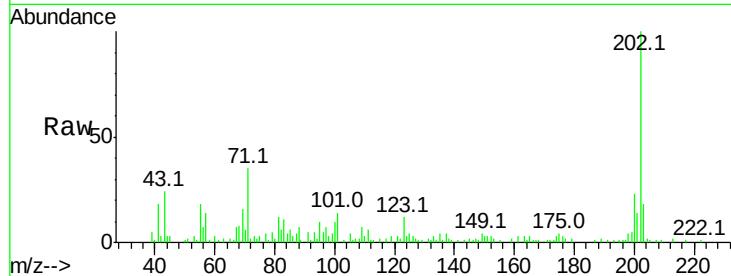
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 37209

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.8	0.0	38.1

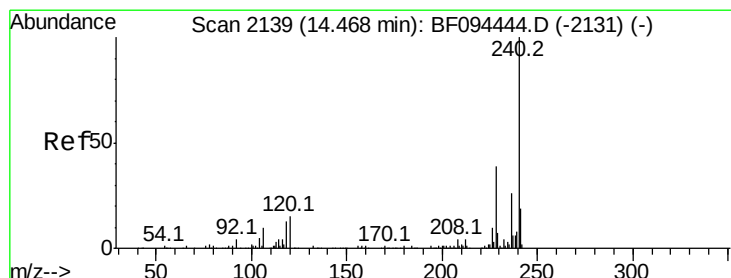
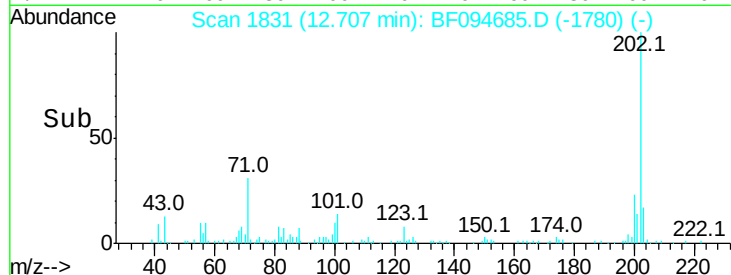
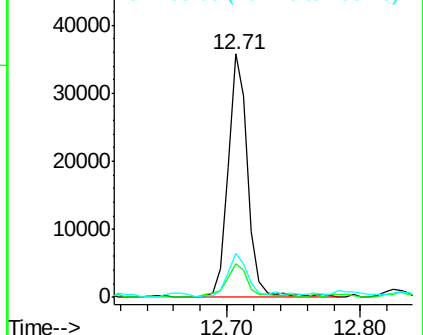


Abundance

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# 2131

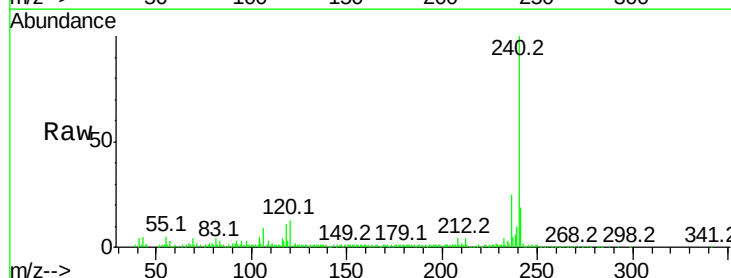
Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Tgt Ion:240 Resp: 192818

Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	24.7	20.5	30.7

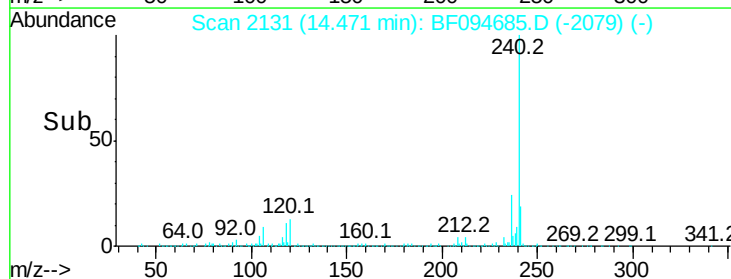
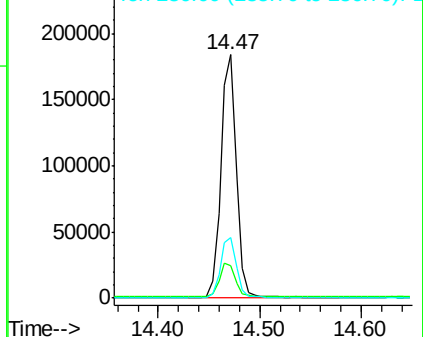


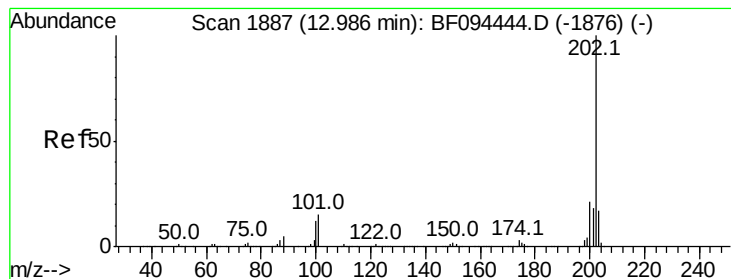
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.07 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

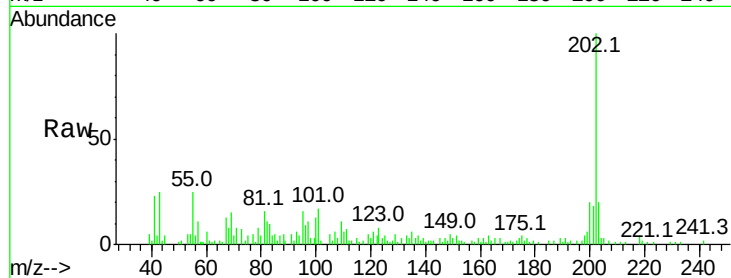
Tot Ion:202 Resp: 27940

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

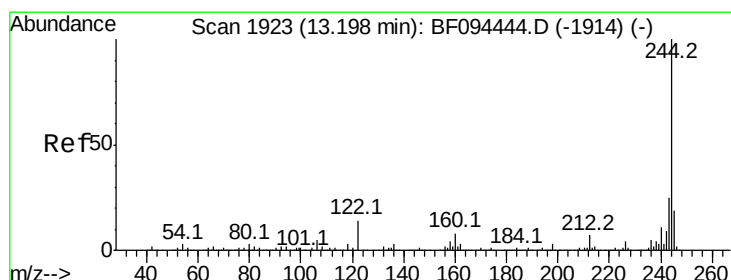
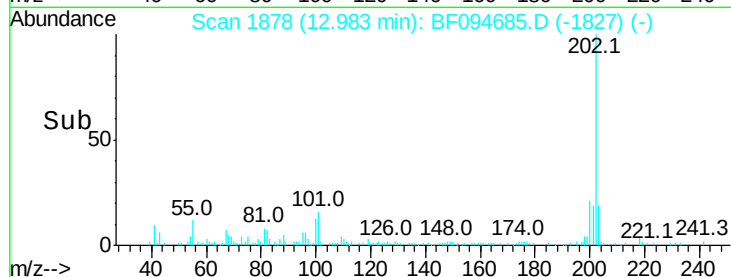
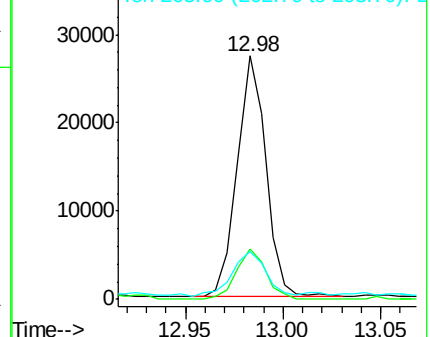
203 19.6 14.4 21.6



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: 70.69 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

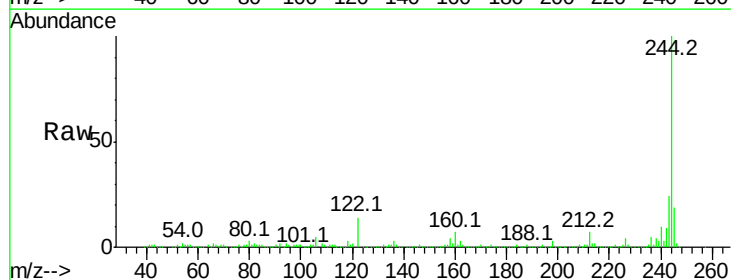
Tgt Ion:244 Resp: 509915

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

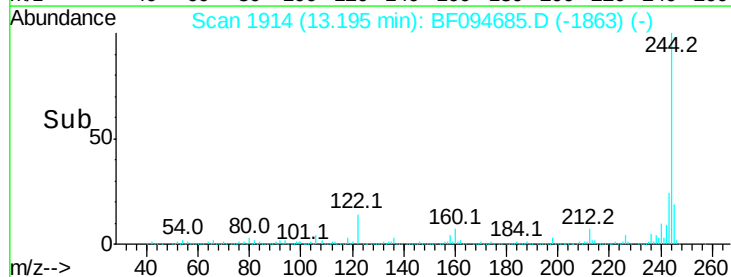
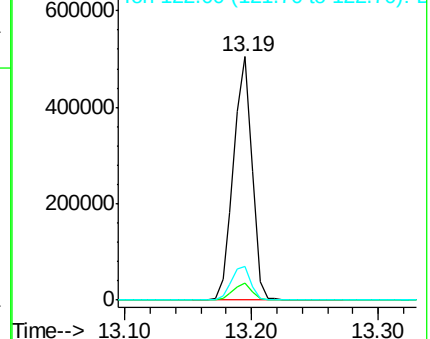
122 13.7 10.3 15.5

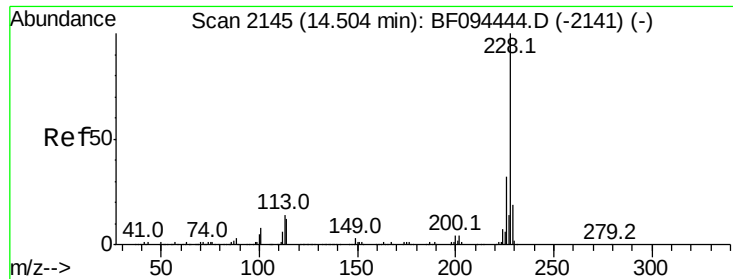


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

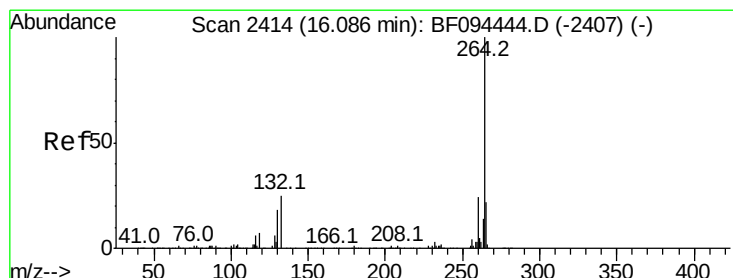
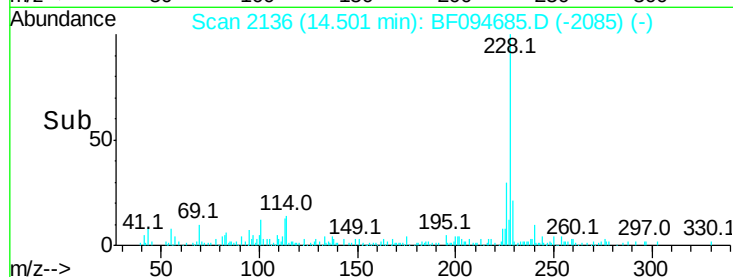
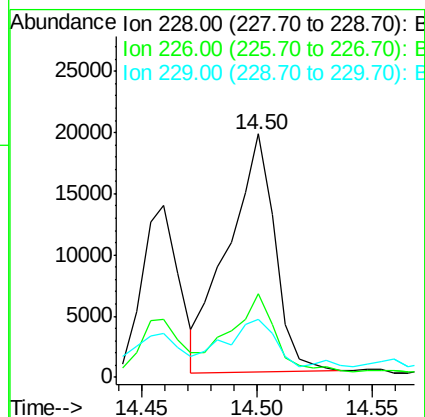
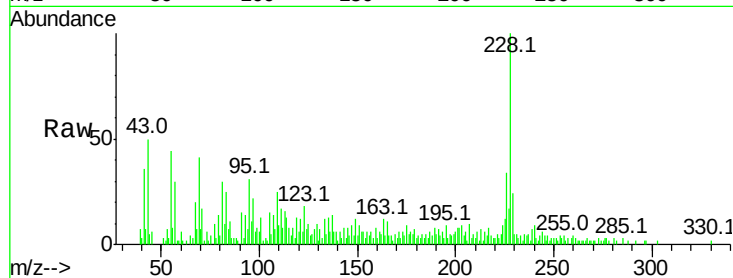




#82
Chrysene
Concen: 2.68 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

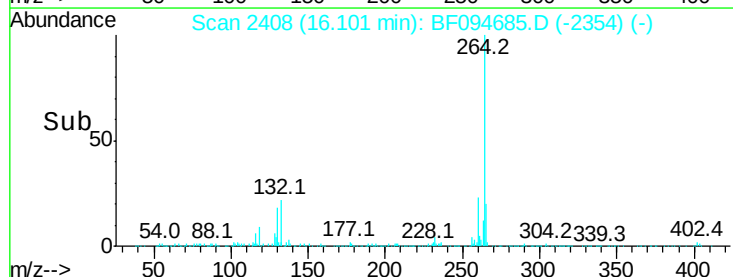
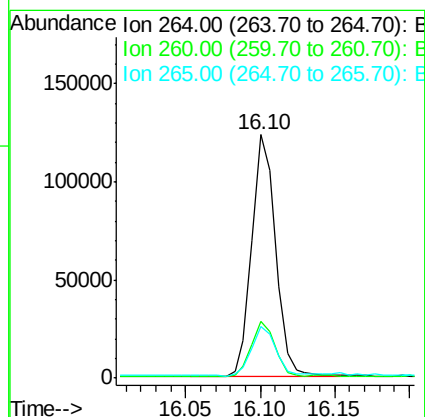
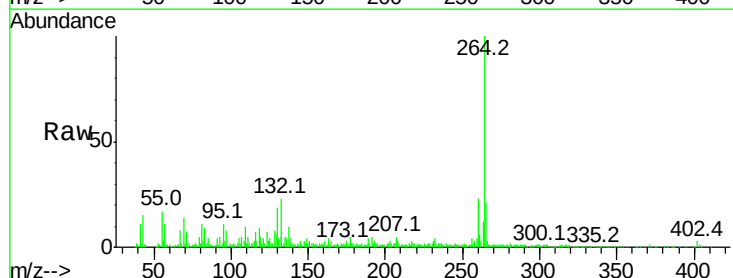
Instrument :
BNA_F
ClientSampleId :

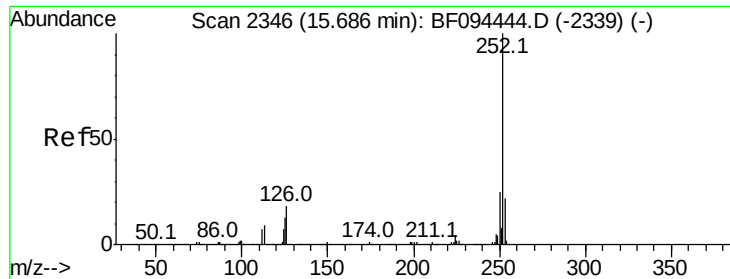
Tot Ion:228 Resp: 27422
Ion Ratio Lower Upper
228 100
226 34.4 24.9 37.3
229 23.9 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094685.D
Acq: 28 Apr 2017 16:00

Tgt Ion:264 Resp: 136415
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.61 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

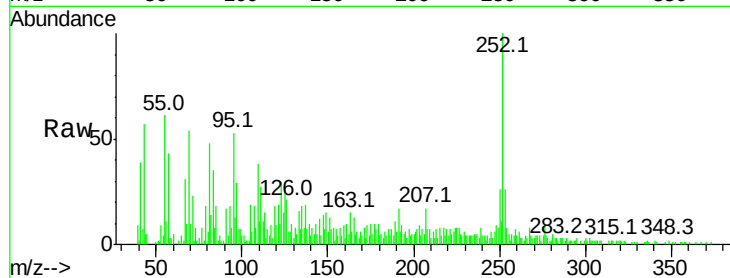
Tot Ion:252 Resp: 46811

Ion Ratio Lower Upper

252 100

253 26.5 18.1 27.1

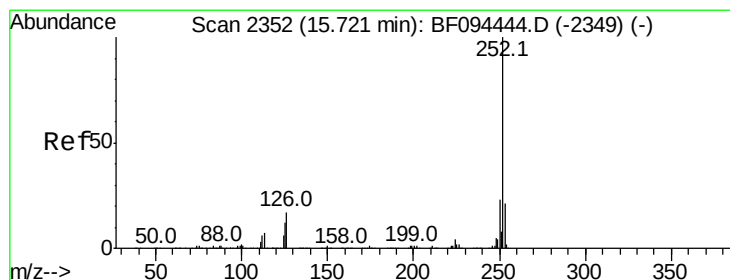
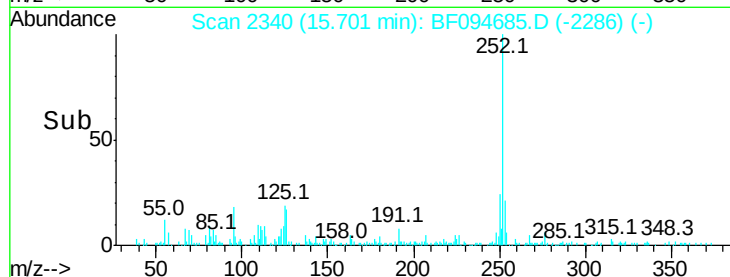
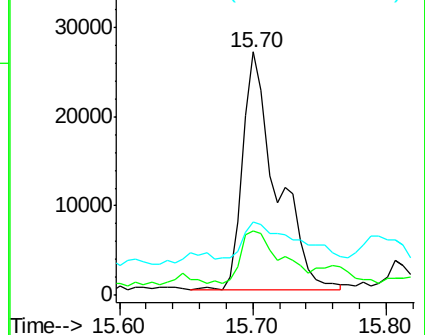
125 30.2 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.93 ng

RT: 15.70 min Scan# 2340

Delta R.T. -0.02 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

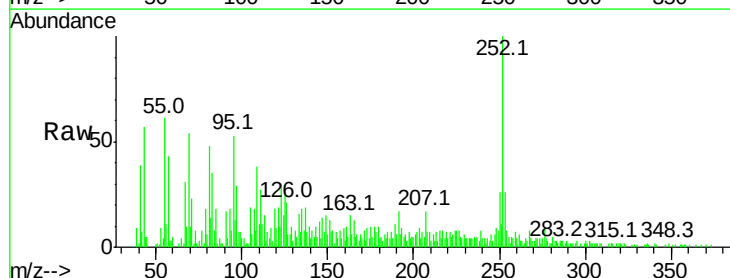
Tgt Ion:252 Resp: 46811

Ion Ratio Lower Upper

252 100

253 26.5 18.4 27.6

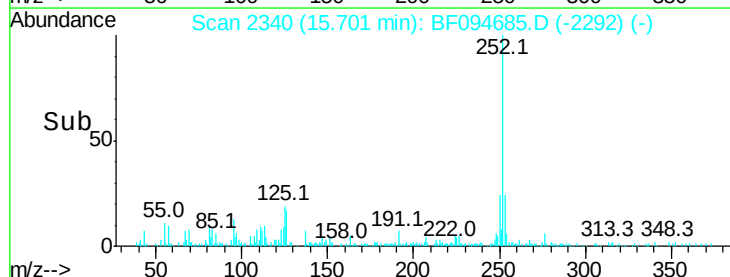
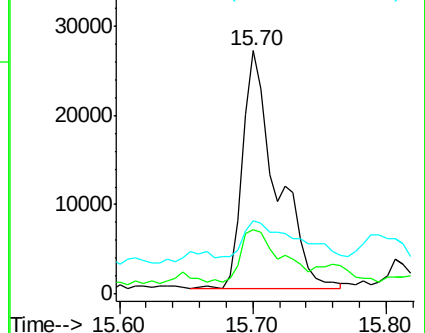
125 30.2 13.1 19.7#

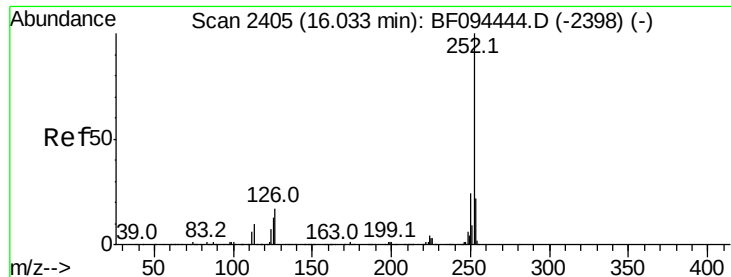


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.46 ng

RT: 16.04 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA_F

ClientSampled :

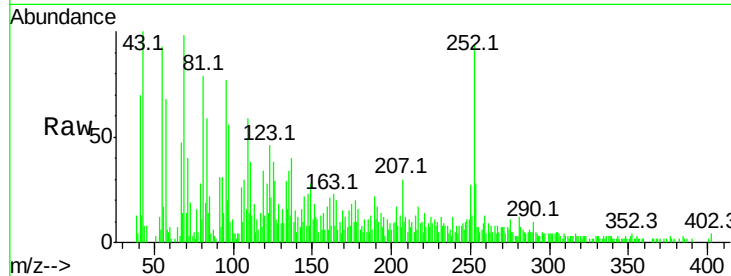
Tot Ion:252 Resp: 19136

Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

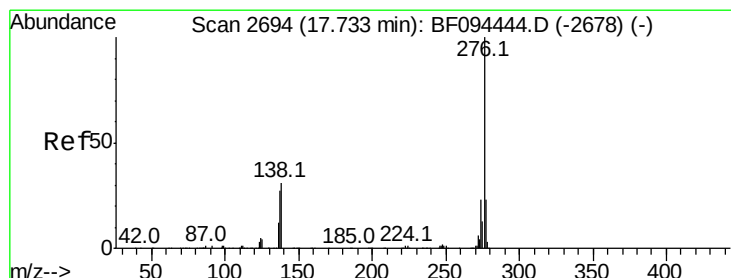
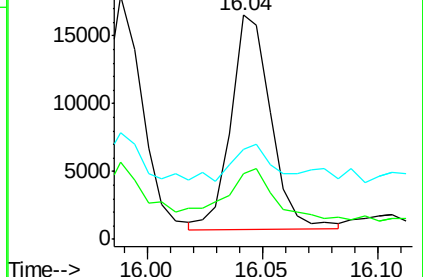
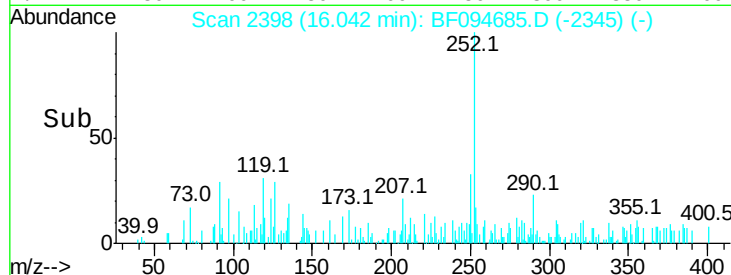
125 40.2 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.27 ng

RT: 17.79 min Scan# 2695

Delta R.T. 0.06 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

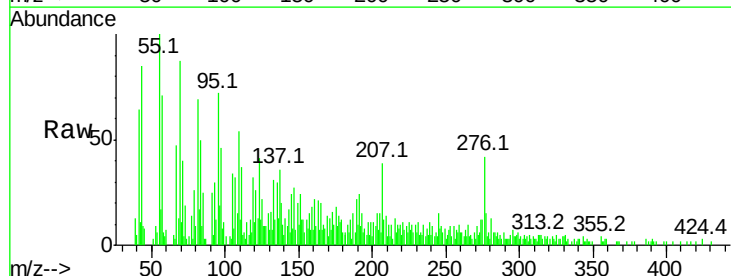
Tgt Ion:276 Resp: 14906

Ion Ratio Lower Upper

276 100

277 36.8 18.6 28.0#

138 49.1 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

