

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094621.D
 Acq On : 25 Apr 2017 22:26
 Operator : SJ/MA
 Sample : I2811-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:28:39 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	5.75	152	133494	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	504400	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	199183	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	317852	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	261811	20.00	ng	-0.01
86) Perylene-d12	16.09	264	176008	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	1098602	136.53	ng	0.00
7) Phenol-d6	5.39	99	1379501	145.43	ng	0.00
23) Nitrobenzene-d5	6.41	82	819721	100.35	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	205032	131.60	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1328390	98.13	ng	-0.01
78) Terphenyl-d14	13.19	244	928813	94.83	ng	0.00

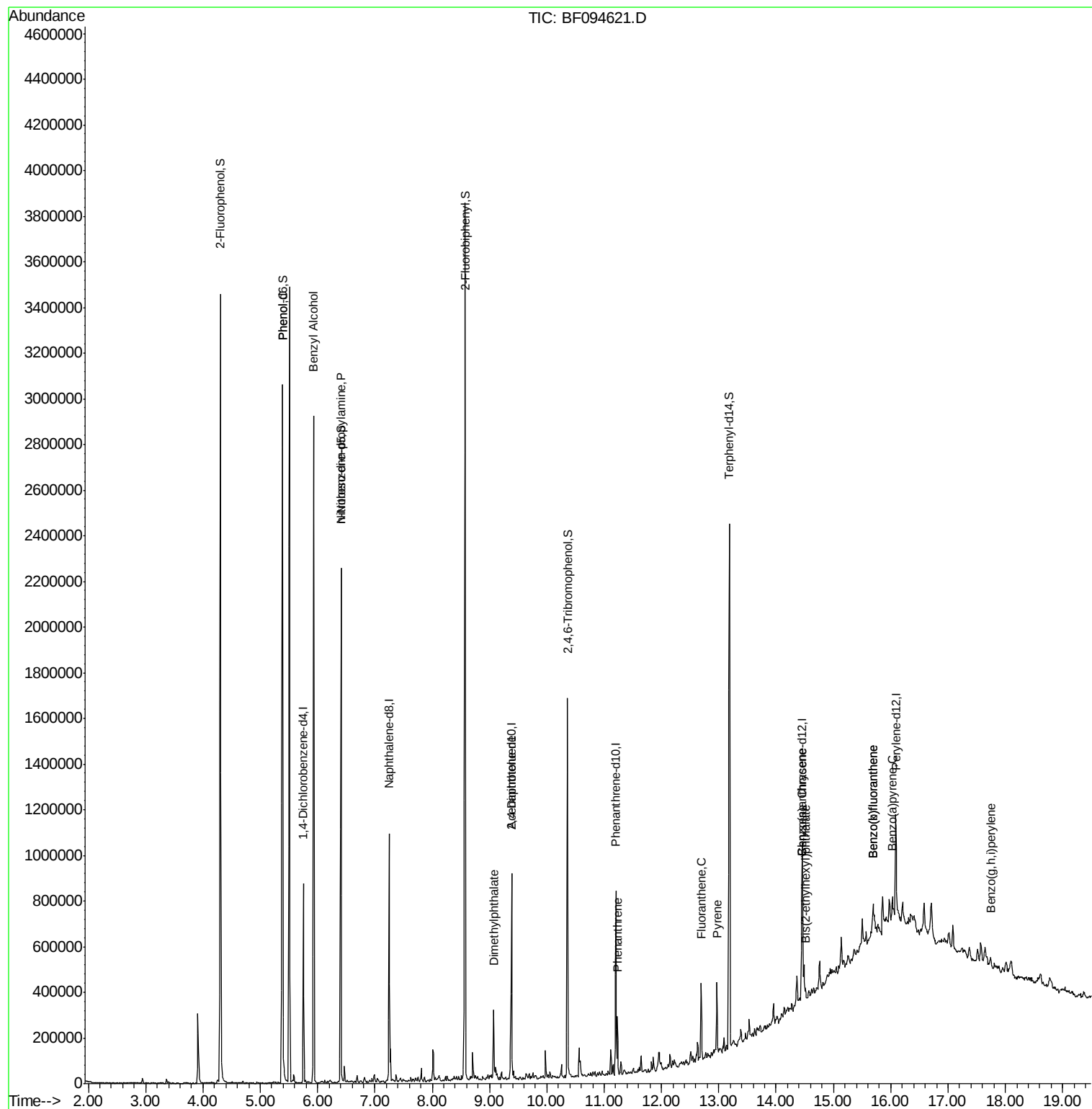
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.40	94	86636	7.43	ng	95
15) Benzyl Alcohol	5.93	79	14124	2.01	ng	# 46
19) n-Nitroso-di-n-propylamine	6.41	70	108703	17.29	ng	# 76
49) Dimethylphthalate	9.07	163	135850	9.15	ng	97
56) 2,4-Dinitrotoluene	9.38	165	25475	6.23	ng	# 33
70) Phenanthrene	11.23	178	94485	5.28	ng	96
74) Fluoranthene	12.70	202	151964	8.19	ng	98
77) Pyrene	12.97	202	138593	7.58	ng	98
80) Benzo(a)anthracene	14.44	228	60258	3.96	ng	92
82) Chrysene	14.44	228	60258	4.33	ng	95
83) Bis(2-ethylhexyl)phthalate	14.51	149	25510	2.37	ng	# 90
87) Benzo(b)fluoranthene	15.69	252	90212	8.38	ng	# 84
88) Benzo(k)fluoranthene	15.69	252	90212	8.85	ng	# 89
89) Benzo(a)pyrene	16.03	252	44480	4.44	ng	# 83
91) Benzo(a,h,i)perylene	17.74	276	25886	3.06	ng	92

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

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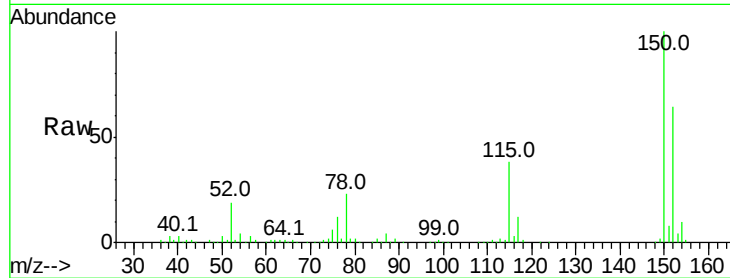


#1

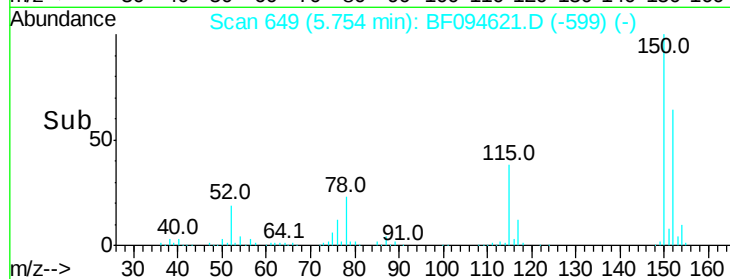
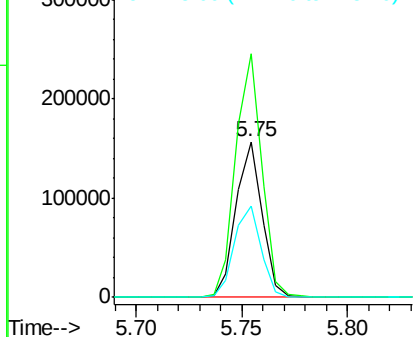
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133494
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 58.9 52.2 78.2



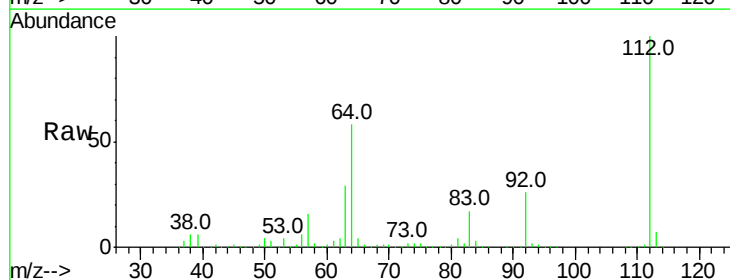
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



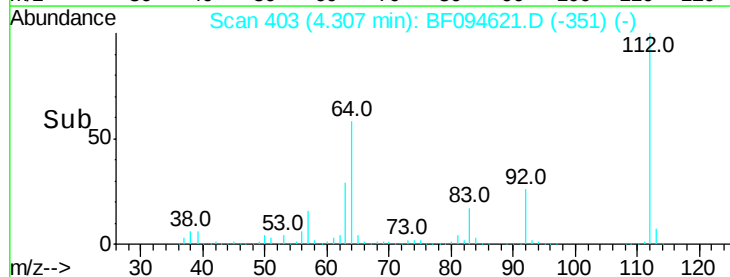
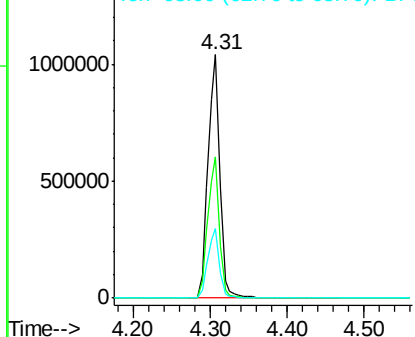
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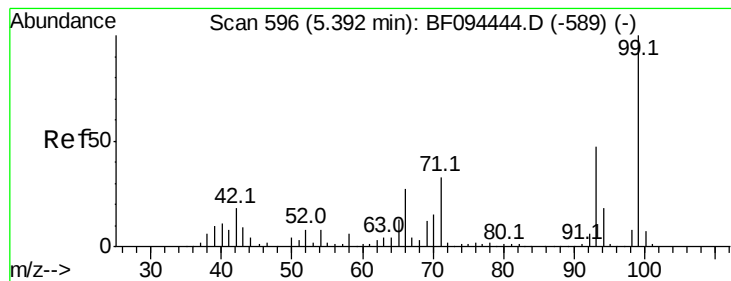
2-Fluorophenol
Concen: 136.53 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Tgt Ion:112 Resp: 1098602
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 28.5 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: 145.43 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampled :

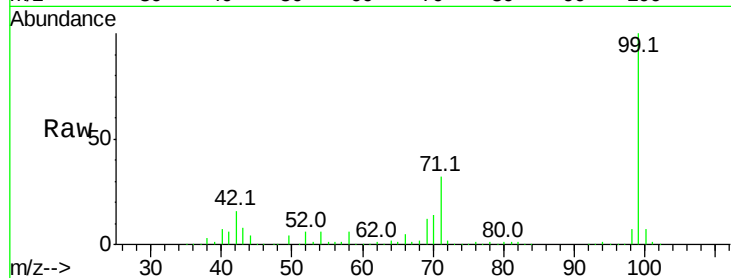
Tot Ion: 99 Resp: 1379501

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	32.4	24.5	36.7

99 100

42 16.3 13.5 20.3

71 32.4 24.5 36.7

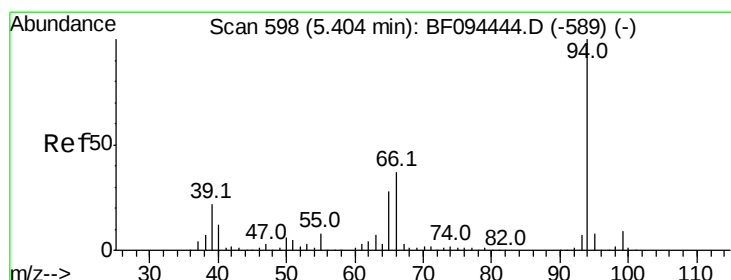
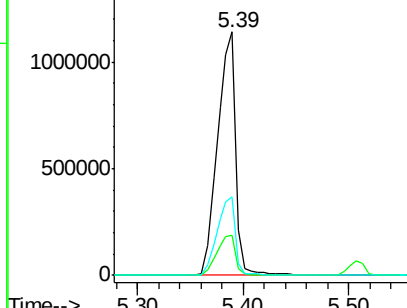
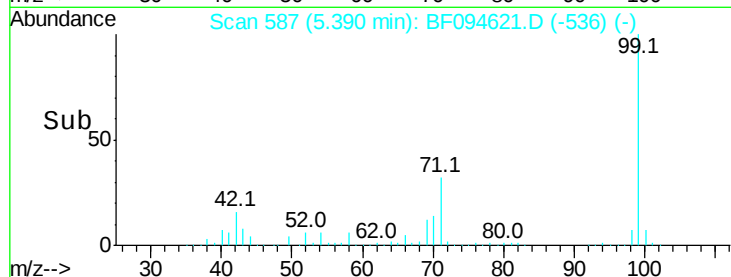


Abundance

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



#10

Phenol

Concen: 7.43 ng

RT: 5.40 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

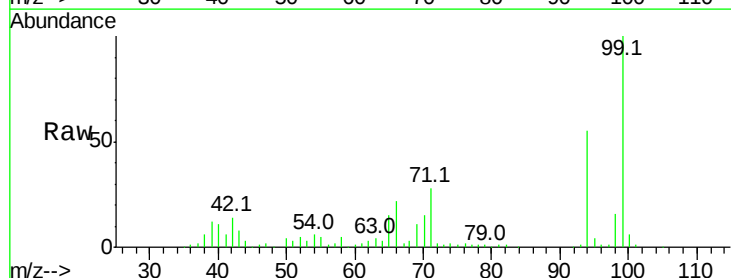
Tgt Ion: 94 Resp: 86636

Ion	Ratio	Lower	Upper
94	100		
65	27.4	9.9	49.9
66	39.9	23.1	63.1

94 100

65 27.4 9.9 49.9

66 39.9 23.1 63.1

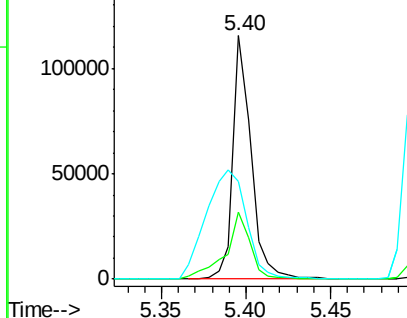
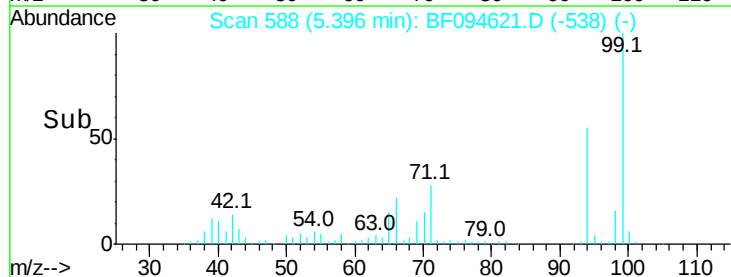


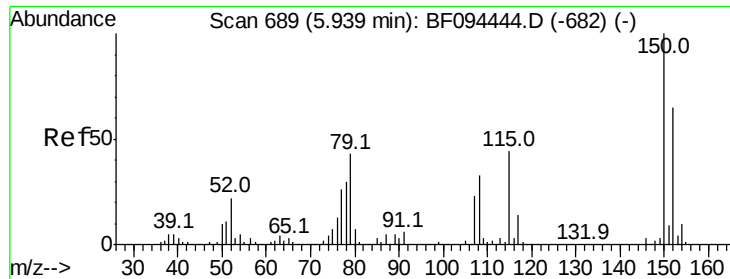
Abundance

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

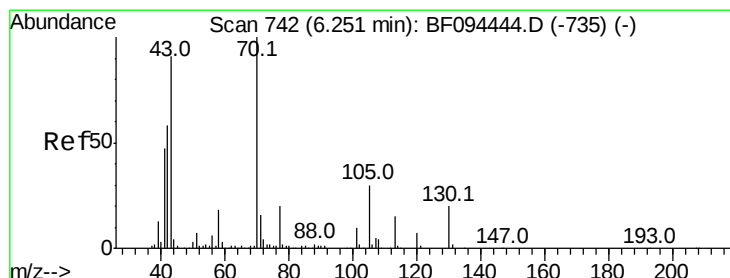
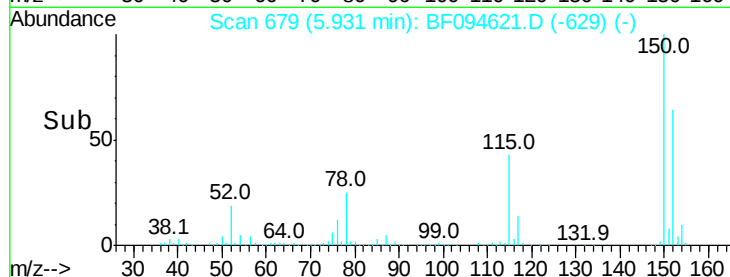
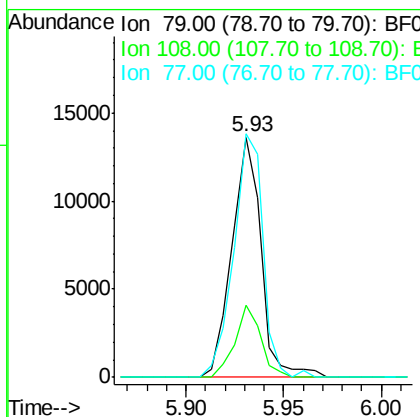
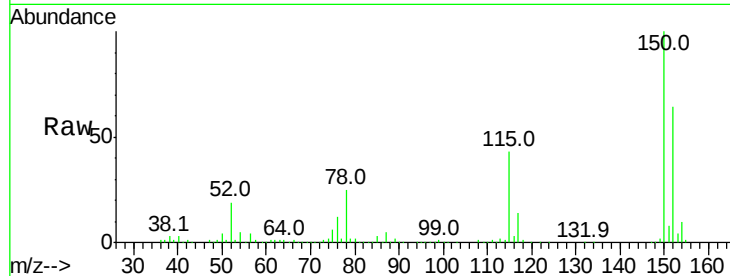




#15
Benzyl Alcohol
Concen: 2.01 ng
RT: 5.93 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

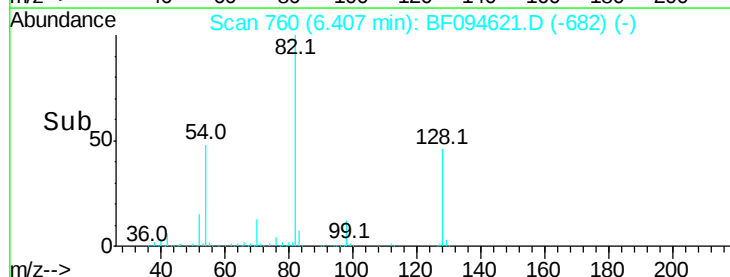
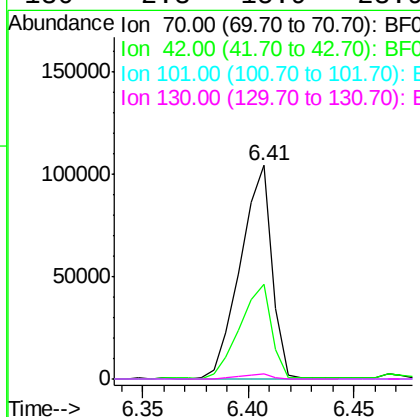
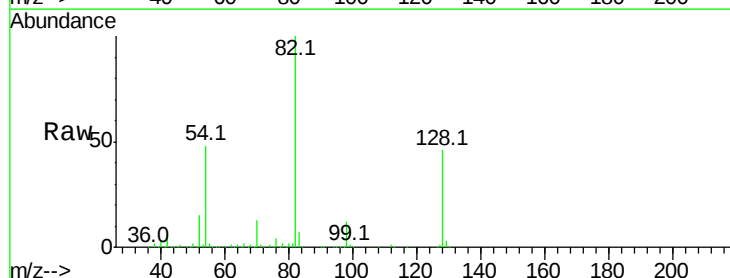
Instrument :
BNA_F
ClientSampleId :

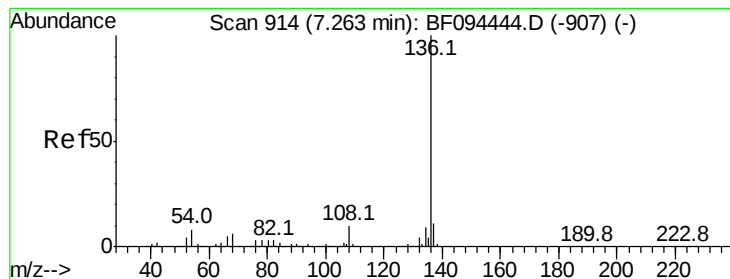
Tot Ion: 79 Resp: 14124
Ion Ratio Lower Upper
79 100
108 30.2 63.4 95.0#
77 101.3 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.29 ng
RT: 6.41 min Scan# 760
Delta R.T. 0.16 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Tgt Ion: 70 Resp: 108703
Ion Ratio Lower Upper
70 100
42 44.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 504400

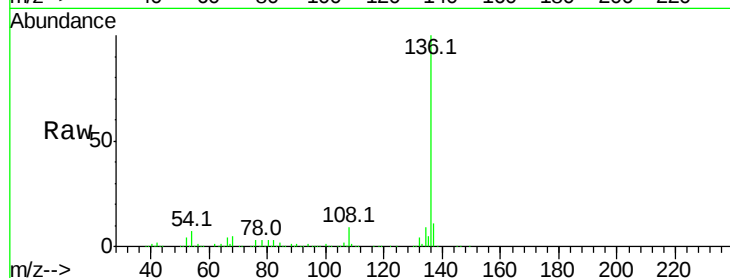
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

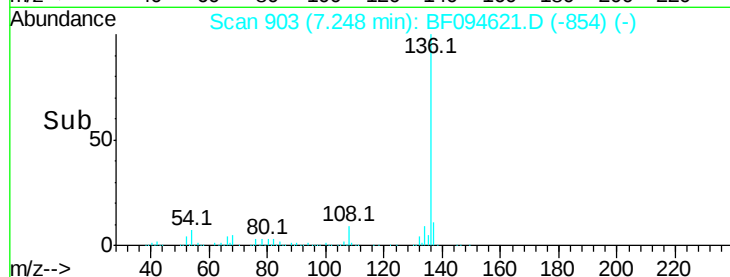


Abundance Ion 136.00 (135.70 to 136.70): E

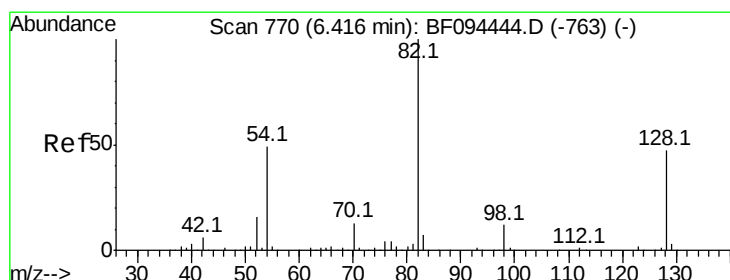
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 100.35 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

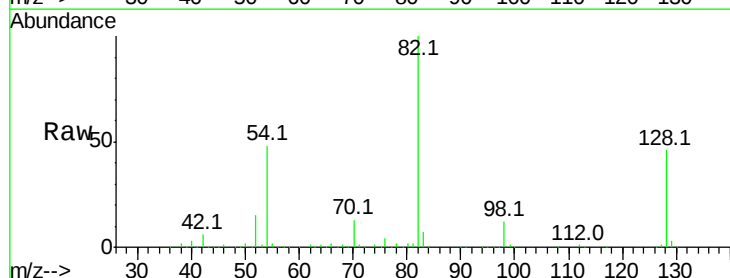
Tgt Ion: 82 Resp: 819721

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

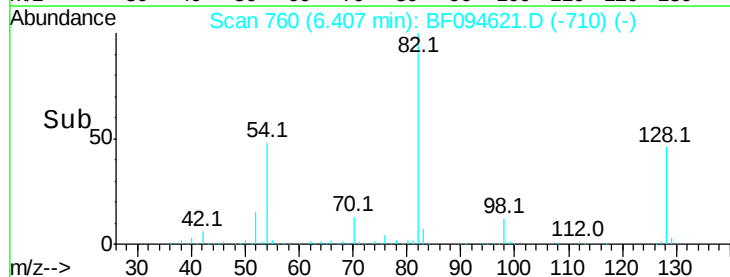
54 48.2 42.2 63.2



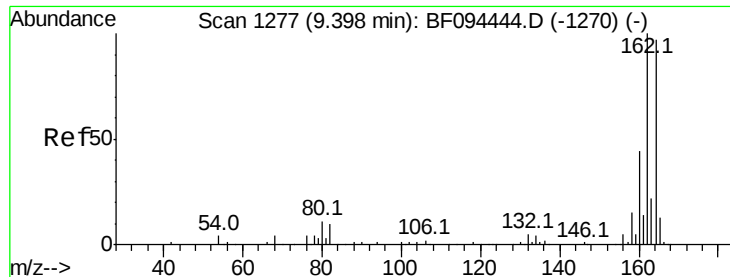
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



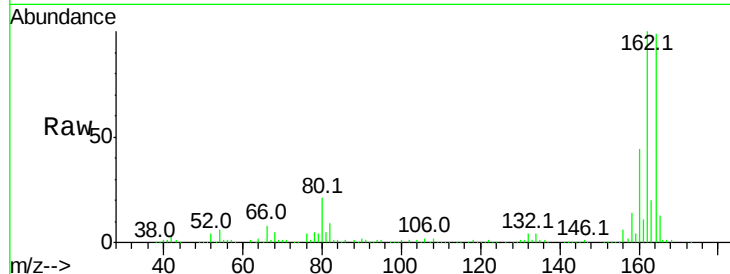
Time-->



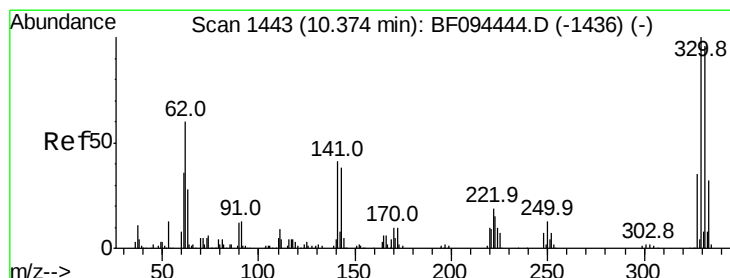
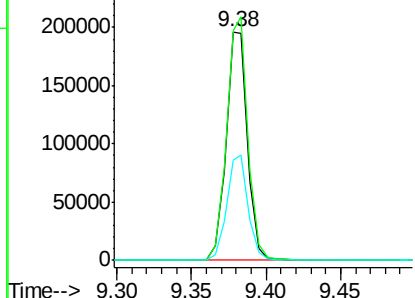
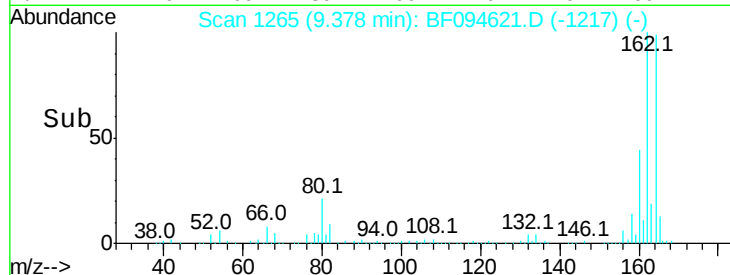
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 199183
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.6 123.8
 160 44.1 36.2 54.2

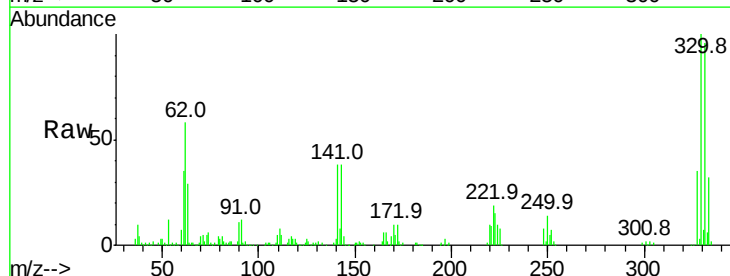


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

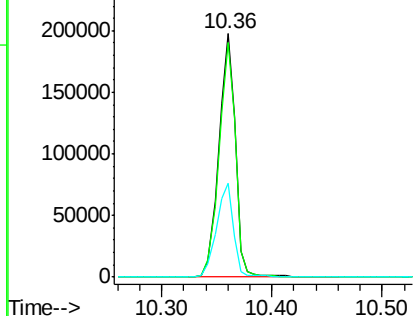
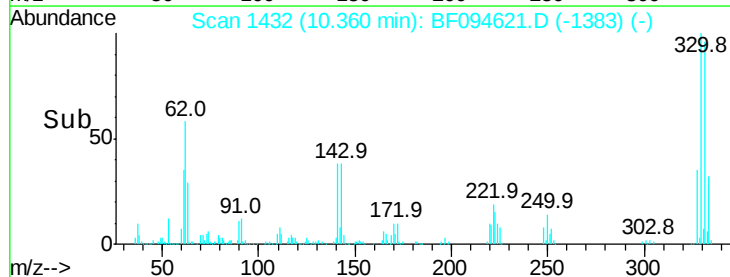


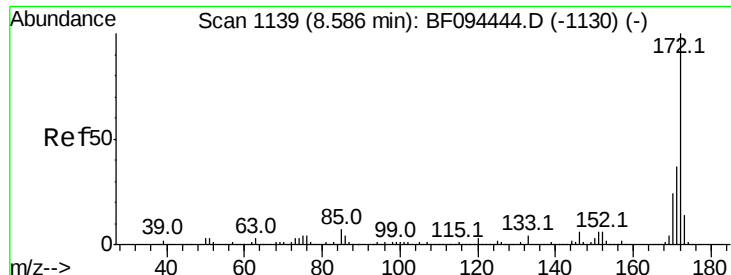
#41
 2,4,6-Tribromophenol
 Concen: 131.60 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

Tgt Ion:330 Resp: 205032
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 40.4 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

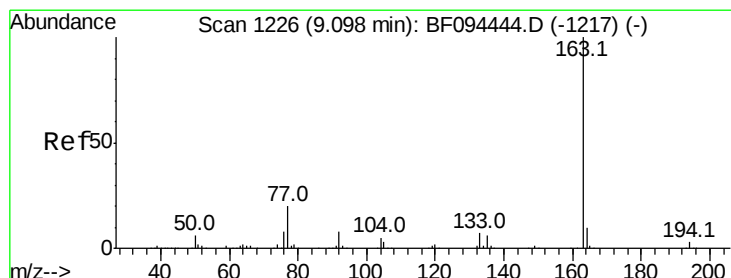
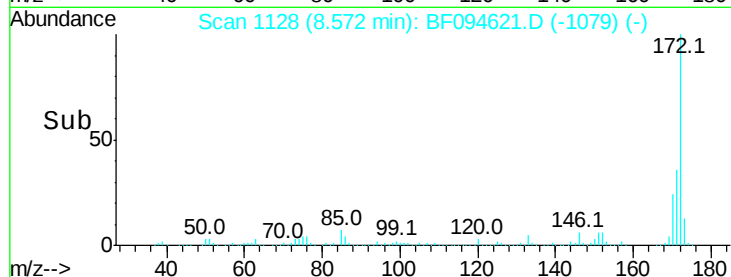
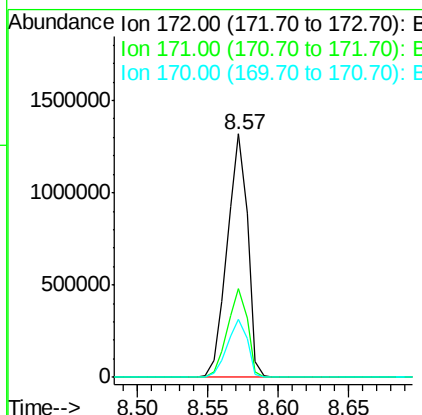
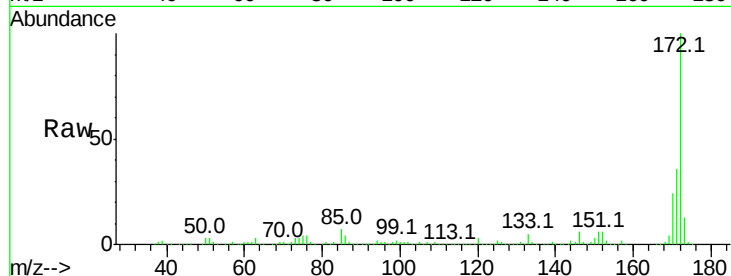




#44
2-Fluorobiphenyl
Concen: 98.13 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

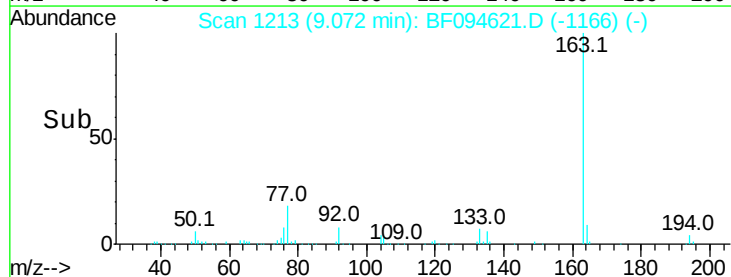
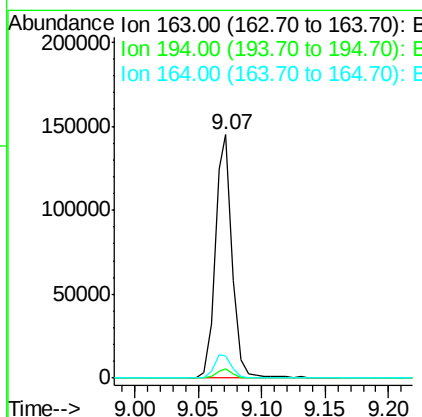
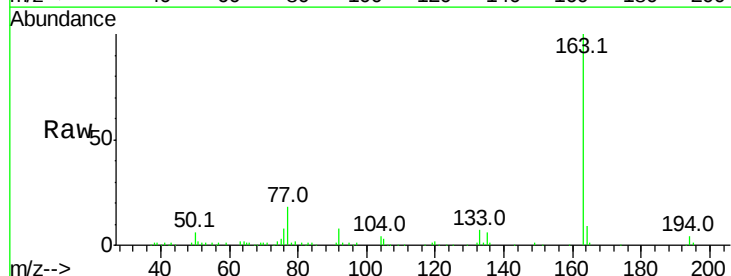
Instrument :
BNA_F
ClientSampleId :

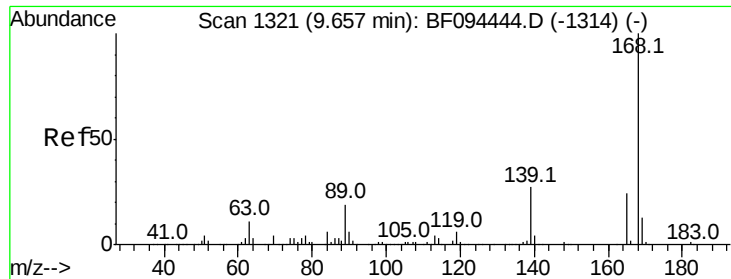
Tot Ion:172 Resp: 1328390
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 9.15 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Tgt Ion:163 Resp: 135850
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.3 8.4 12.6

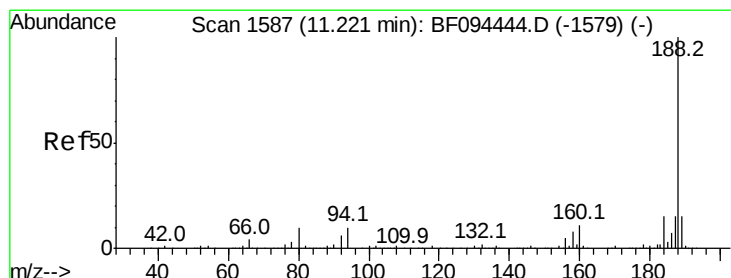
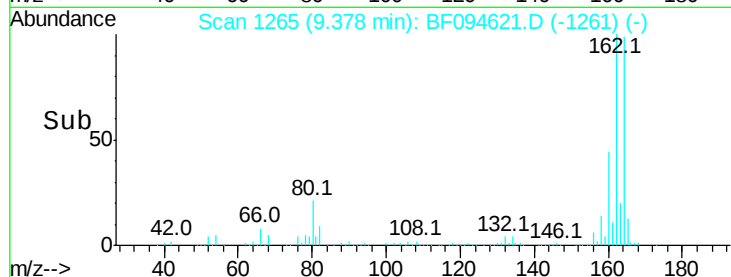
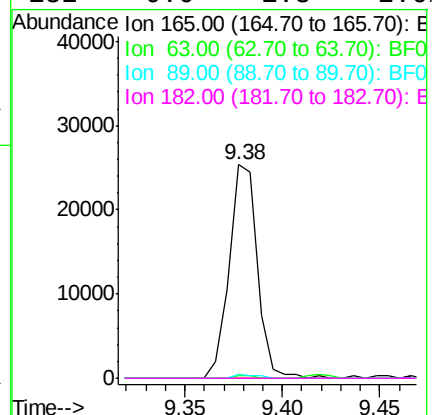
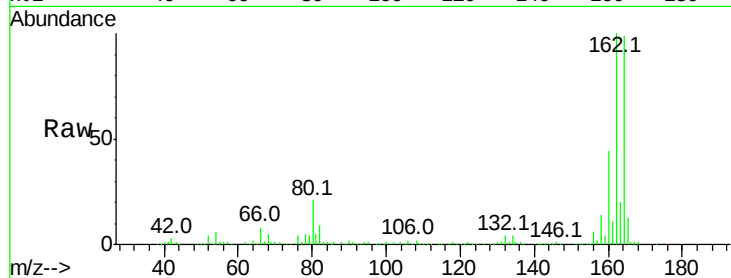




#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

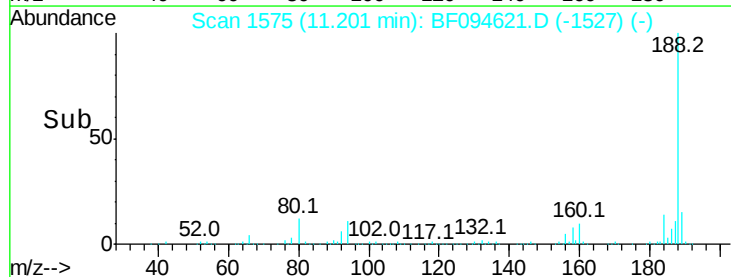
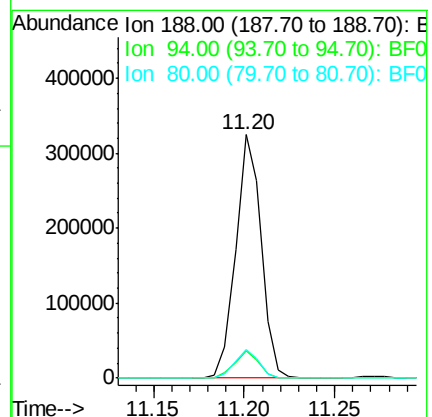
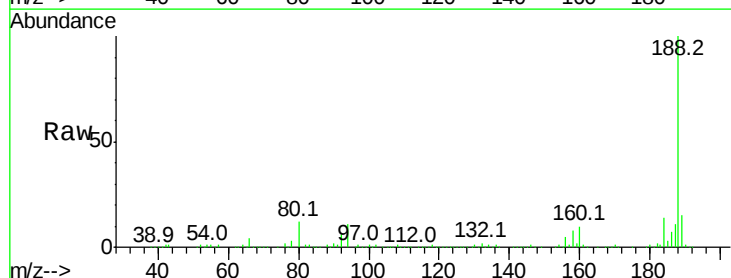
Instrument :
 BNA_F
 ClientSampleId :

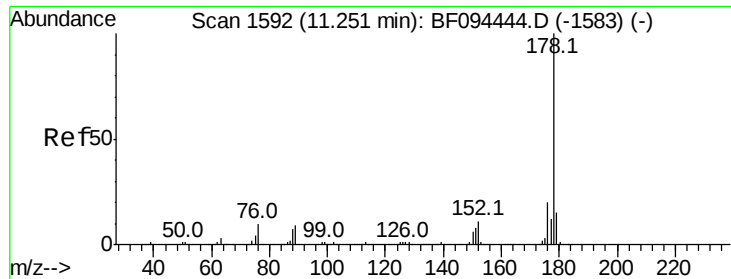
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.7	10.2	15.2





#70

Phenanthrene

Concen: 5.28 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampleId :

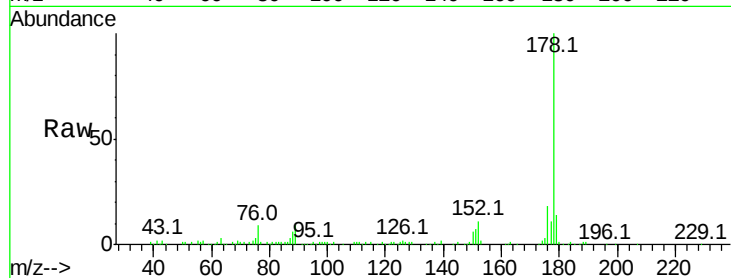
Tot Ion:178 Resp: 94485

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

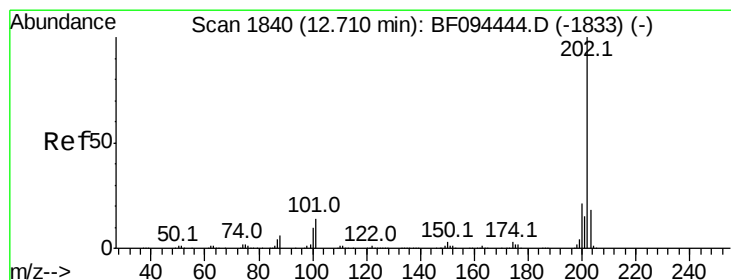
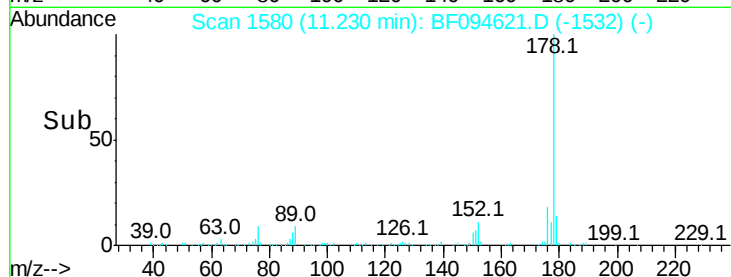
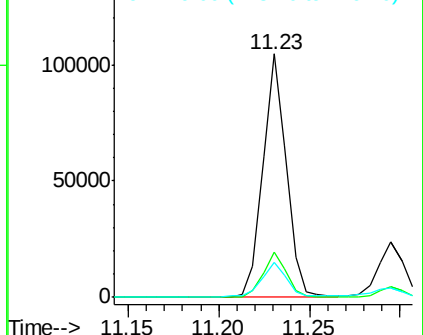
179 14.1 12.6 19.0



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



#74

Fluoranthene

Concen: 8.19 ng

RT: 12.70 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

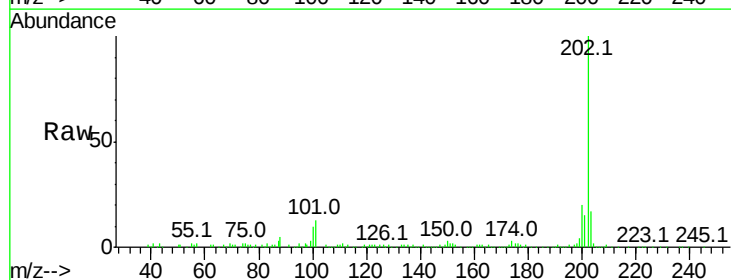
Tgt Ion:202 Resp: 151964

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

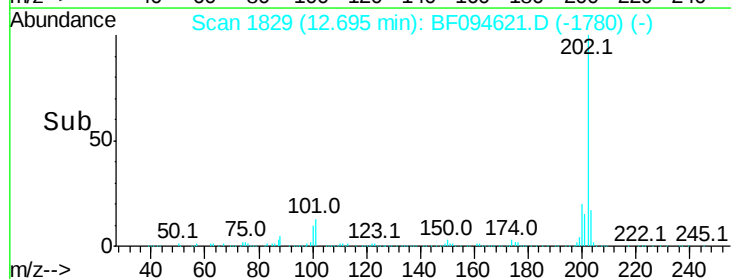
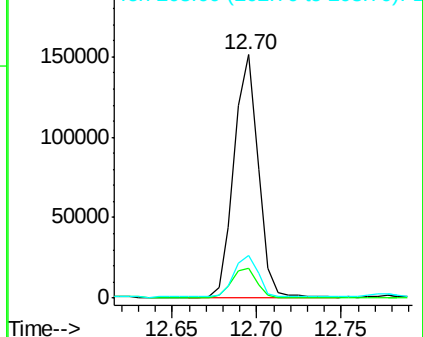
203 17.4 0.0 38.1

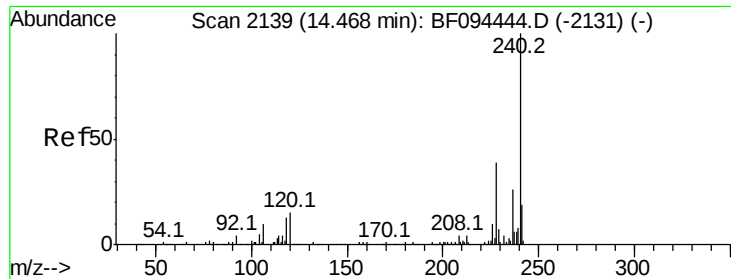


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampleId :

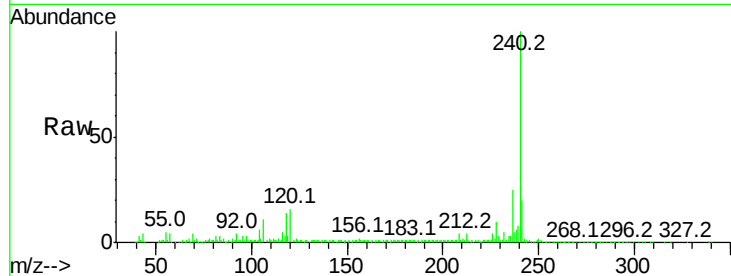
Tot Ion:240 Resp: 261811

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

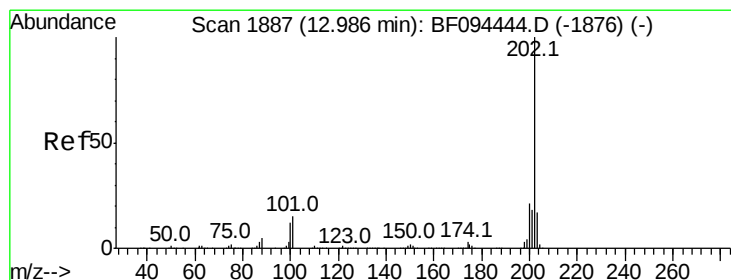
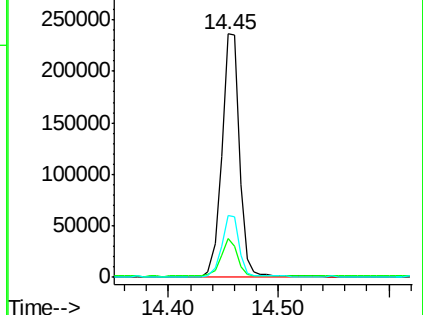
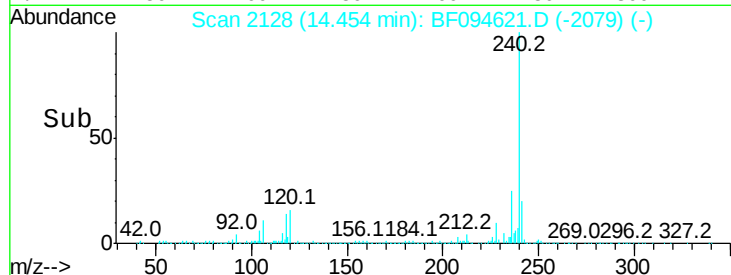
236 25.3 20.5 30.7



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: 7.58 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

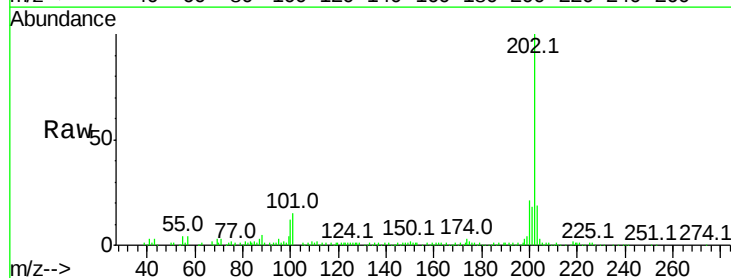
Tgt Ion:202 Resp: 138593

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

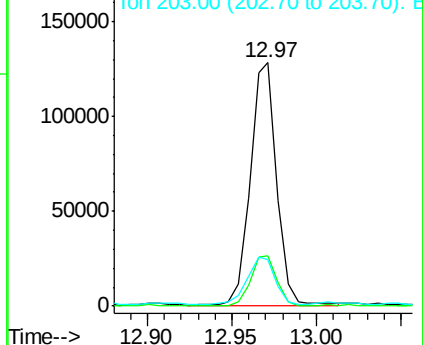
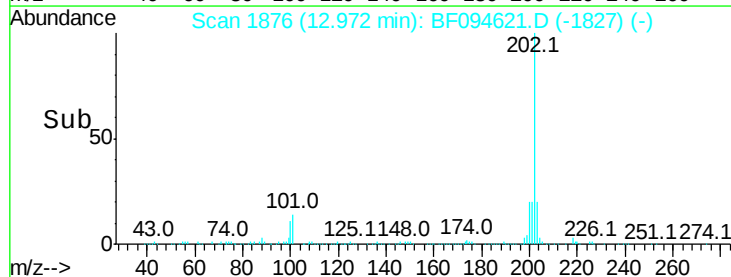
203 18.9 14.4 21.6

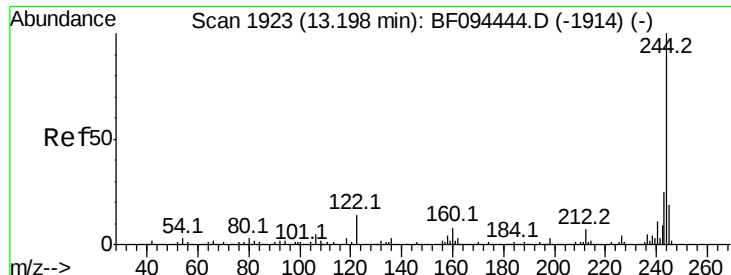


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.83 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampleId :

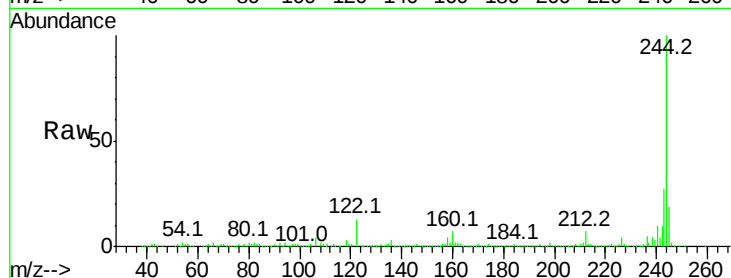
Tot Ion:244 Resp: 928813

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

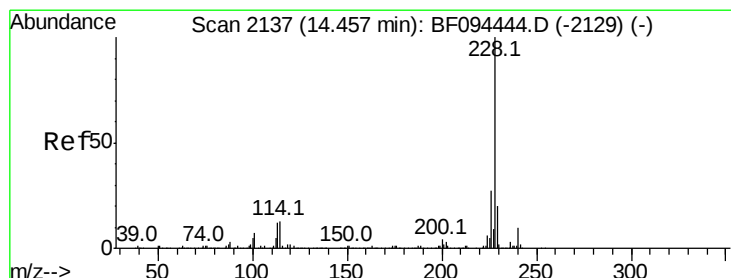
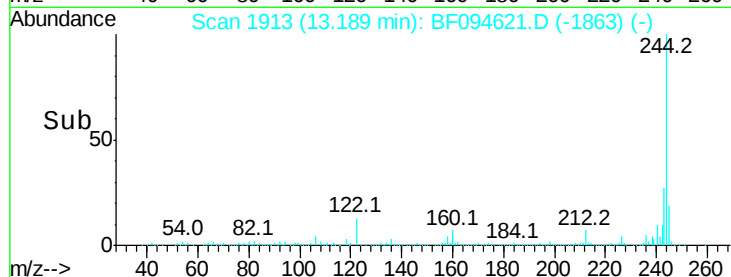
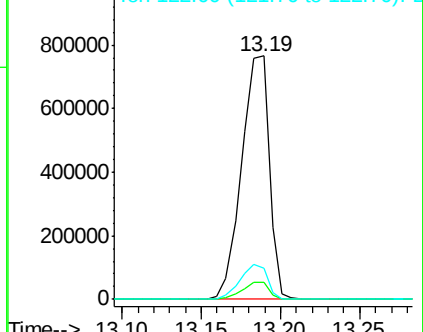
122 12.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.96 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

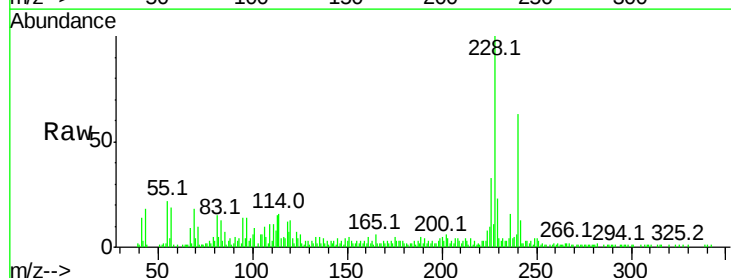
Tgt Ion:228 Resp: 60258

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

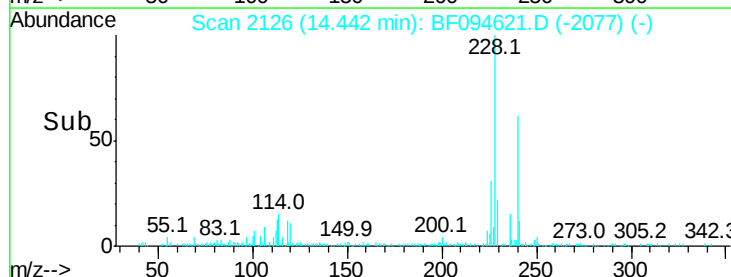
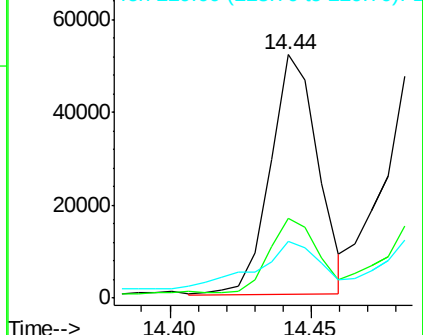
229 23.4 16.3 24.5

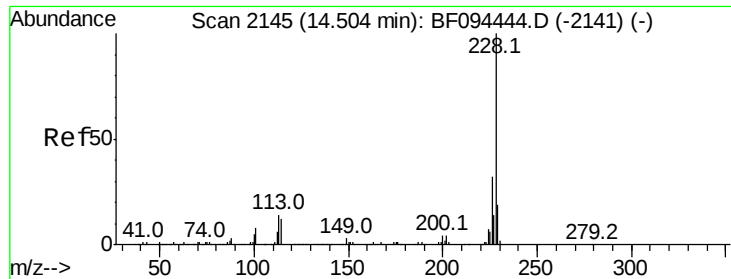


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

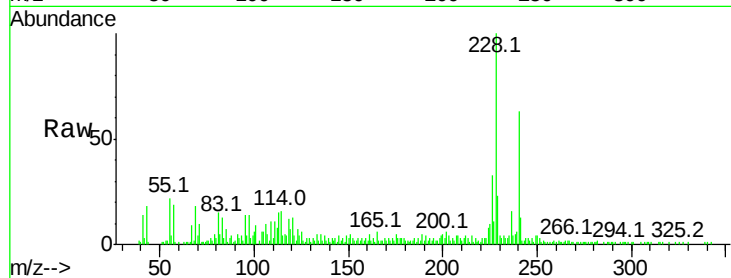




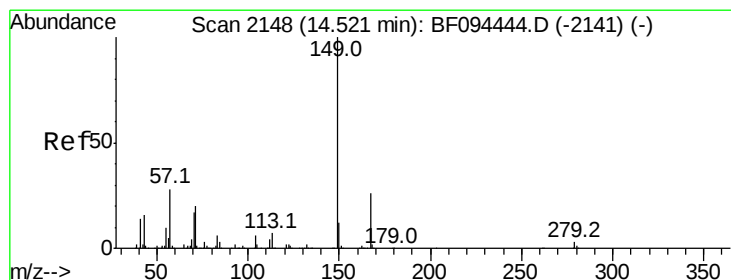
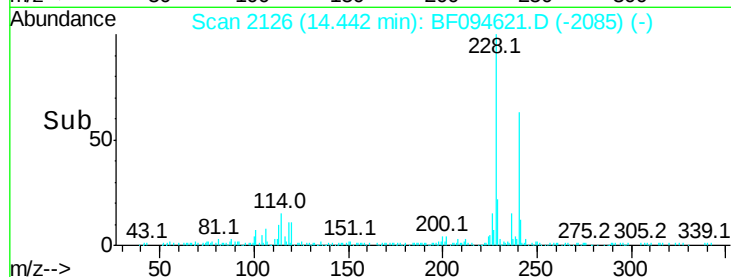
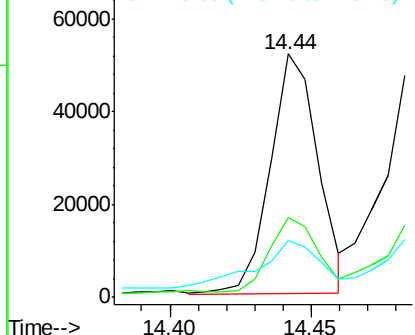
#82
Chrysene
Concen: 4.33 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.06 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.9	37.3
229	23.4	15.8	23.6

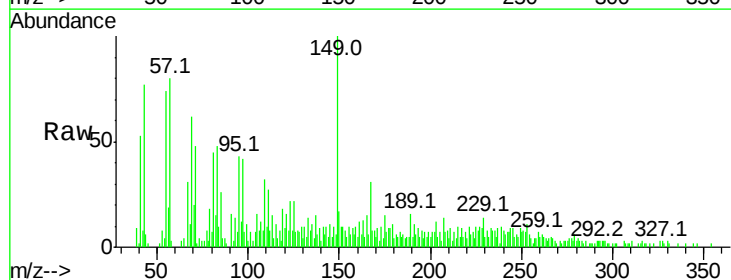


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

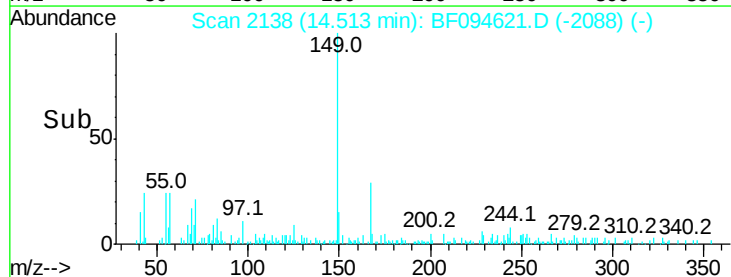
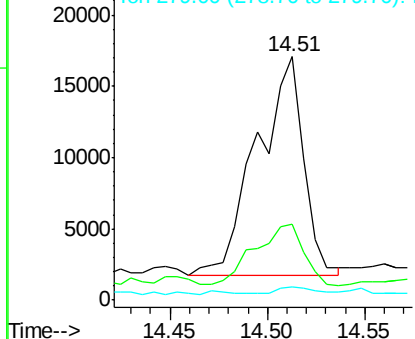


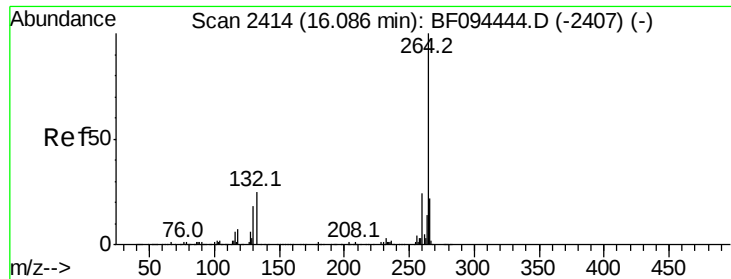
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.37 ng
RT: 14.51 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BF094621.D
Acq: 25 Apr 2017 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.2	21.0	31.4
279	5.5	1.9	2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

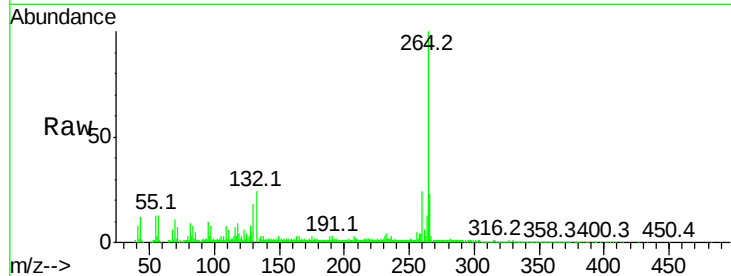
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 176008

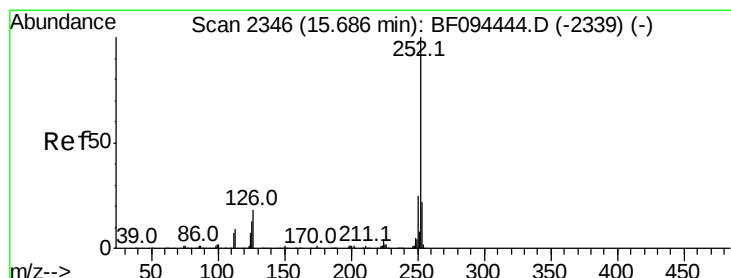
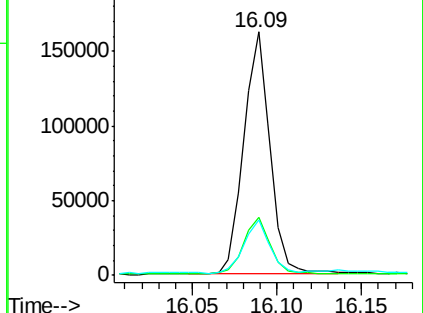
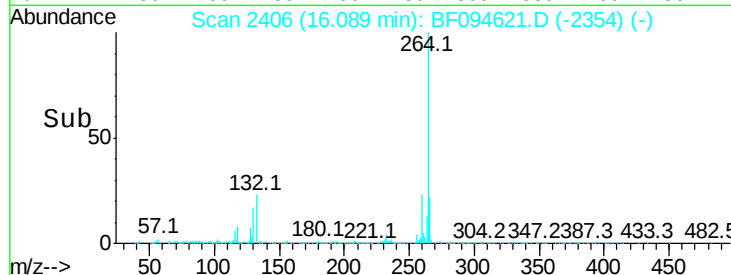
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.6	17.2	25.8



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: 8.38 ng

RT: 15.69 min Scan# 2338

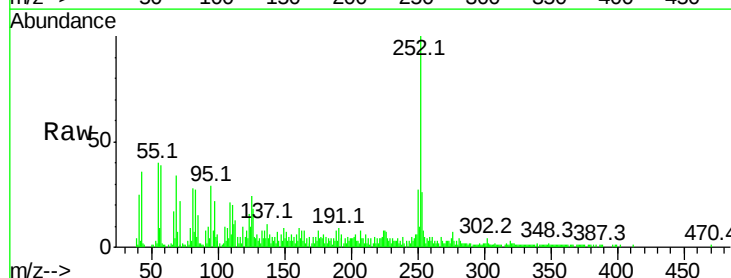
Delta R.T. 0.00 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Tgt Ion:252 Resp: 90212

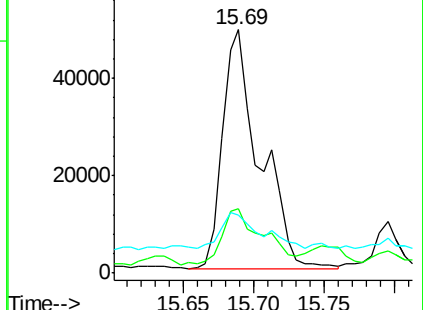
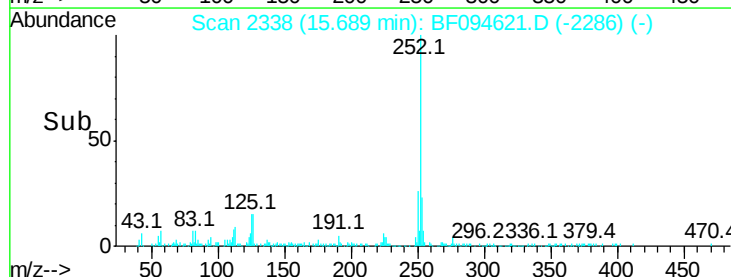
Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	23.8	9.8	14.8

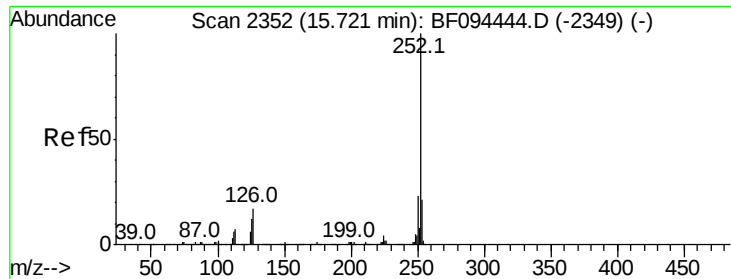


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

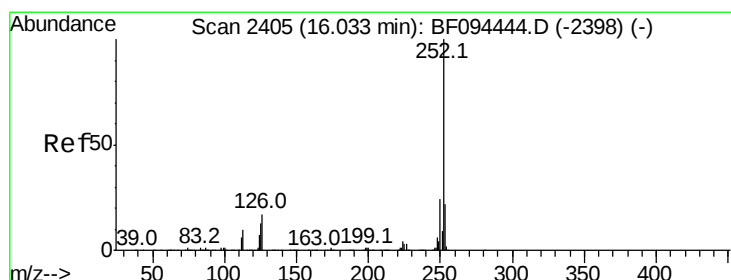
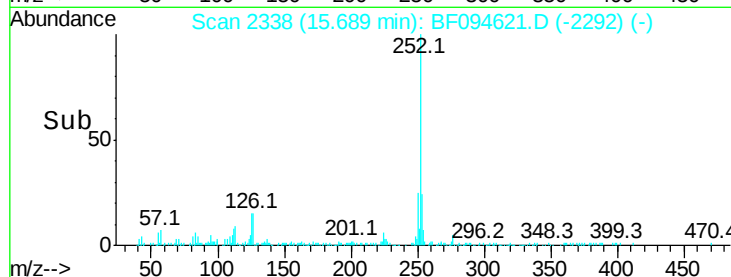
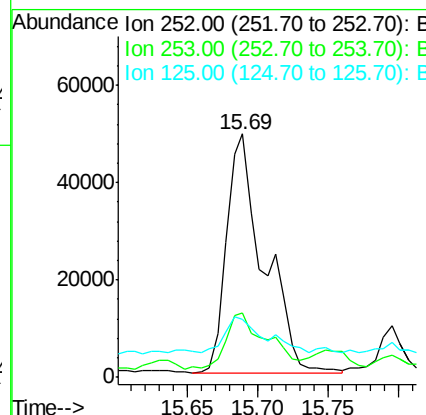
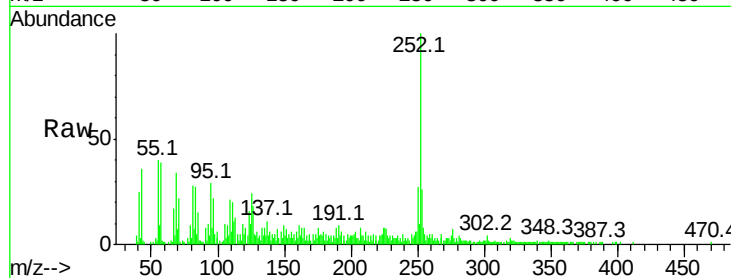




#88
 Benzo(k)fluoranthene
 Concen: 8.85 ng
 RT: 15.69 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

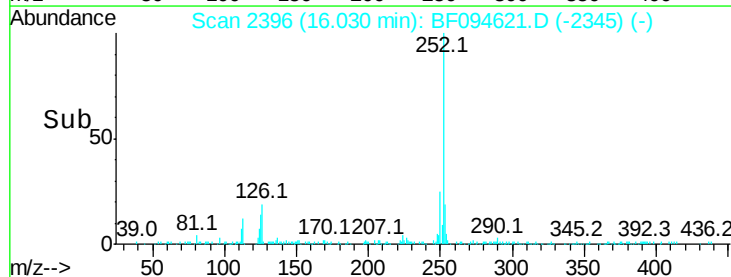
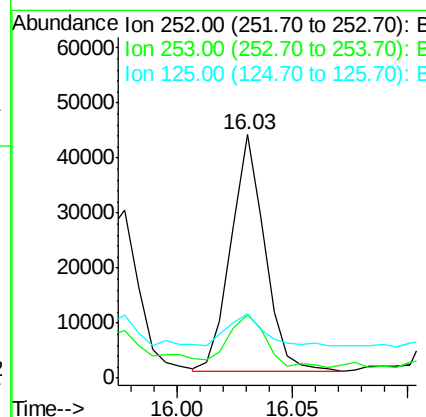
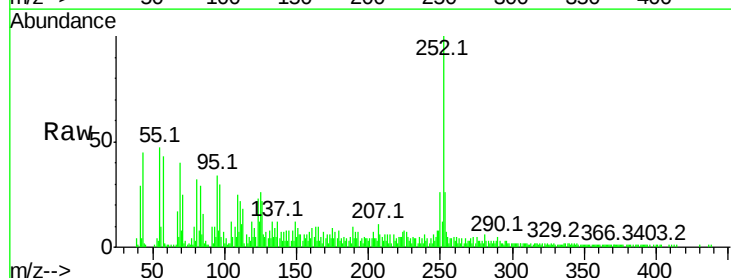
Instrument :
 BNA_F
 ClientSampleId :

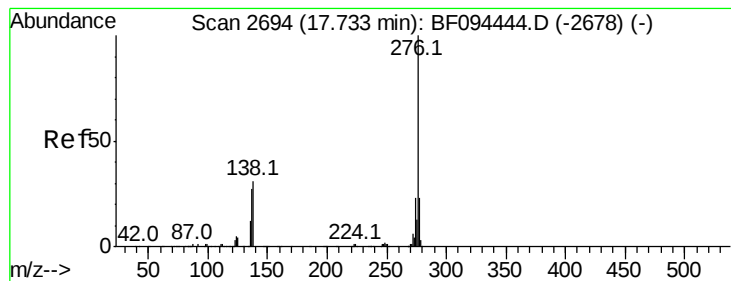
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.4	27.6
125	23.8	13.1	19.7



#89
 Benzo(a)pyrene
 Concen: 4.44 ng
 RT: 16.03 min Scan# 2396
 Delta R.T. -0.00 min
 Lab File: BF094621.D
 Acq: 25 Apr 2017 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	26.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.06 ng

RT: 17.74 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BF094621.D

Acq: 25 Apr 2017 22:26

Instrument :

BNA_F

ClientSampleId :

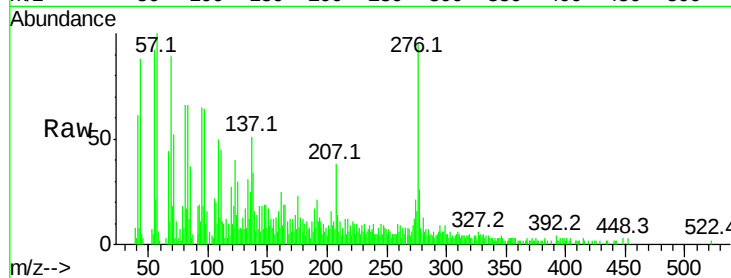
Tot Ion:276 Resp: 25886

Ion Ratio Lower Upper

276 100

277 27.5 18.6 28.0

138 35.8 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

