

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094553.D
 Acq On : 20 Apr 2017 19:10
 Operator : SJ/MA
 Sample : I2744-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 01:04:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	100708	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	418139	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204992	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	376362	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	298660	20.00	ng	0.00
86) Perylene-d12	16.08	264	240348	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	587797	96.83	ng	0.00
7) Phenol-d6	5.39	99	709576	99.16	ng	0.00
23) Nitrobenzene-d5	6.41	82	438106	64.70	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	151420	94.44	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	866354	62.18	ng	0.00
78) Terphenyl-d14	13.19	244	803326	71.90	ng	0.00

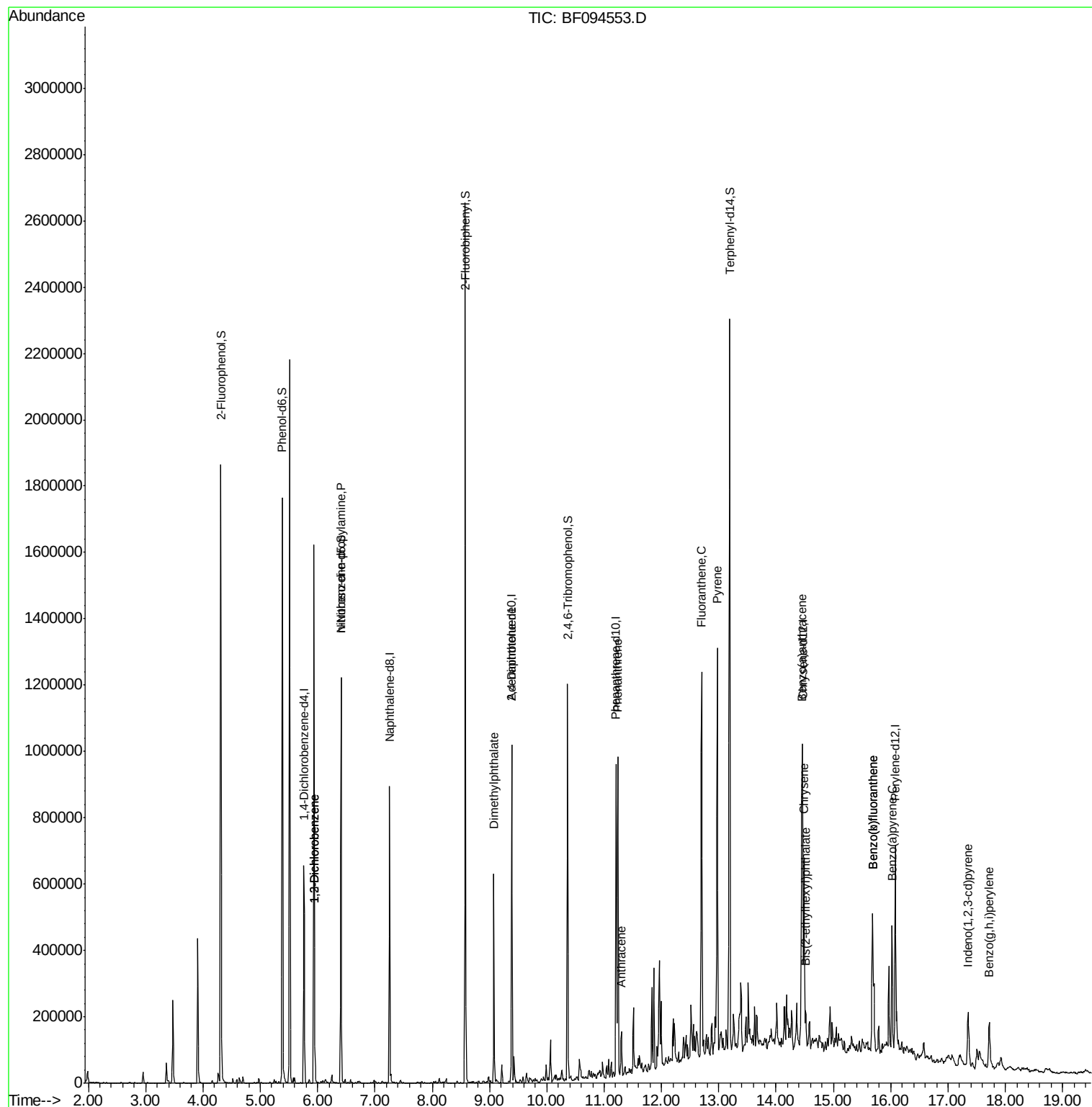
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	5.95	146	16069	2.10	ng	96
14) 1,2-Dichlorobenzene	5.95	146	16071	2.27	ng	94
19) n-Nitroso-di-n-propylamine	6.41	70	55704	11.75	ng	# 79
49) Dimethylphthalate	9.08	163	257900	16.88	ng	100
56) 2,4-Dinitrotoluene	9.39	165	26516	6.30	ng	# 33
70) Phenanthrene	11.24	178	383433	18.09	ng	98
71) Anthracene	11.30	178	54263	2.48	ng	99
74) Fluoranthene	12.70	202	498548	22.70	ng	99
77) Pyrene	12.98	202	549302	26.33	ng	99
80) Benzo(a)anthracene	14.45	228	226842	13.07	ng	99
82) Chrysene	14.49	228	225544	14.22	ng	97
83) Bis(2-ethylhexyl)phthalate	14.51	149	29959	2.44	ng	99
85) Indeno(1,2,3-cd)pyrene	17.35	276	94335	6.25	ng	93
87) Benzo(b)fluoranthene	15.68	252	274603	18.68	ng	97
88) Benzo(k)fluoranthene	15.68	252	274603	19.74	ng	97
89) Benzo(a)pyrene	16.02	252	153758	11.24	ng	99
91) Benzo(a,h,i)perylene	17.72	276	91678	7.93	ng	95

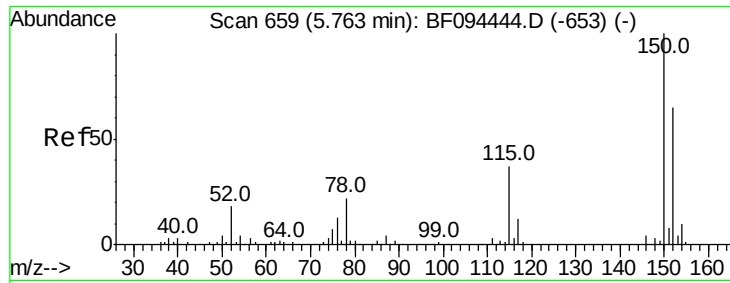
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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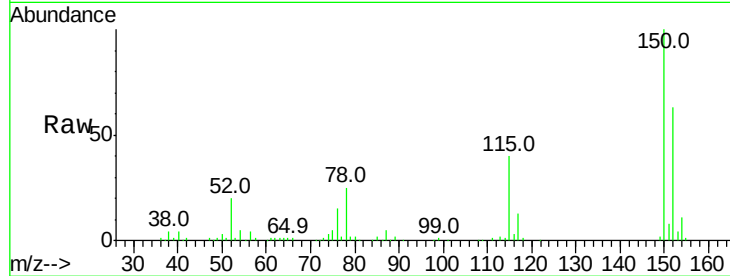


#1

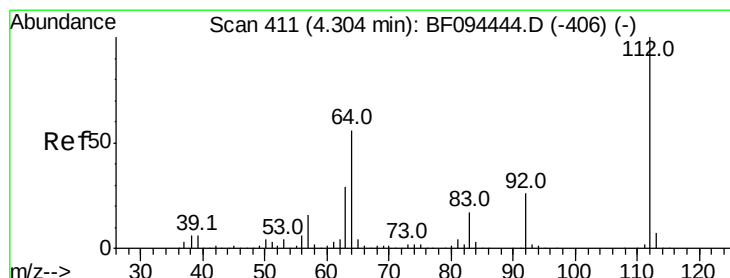
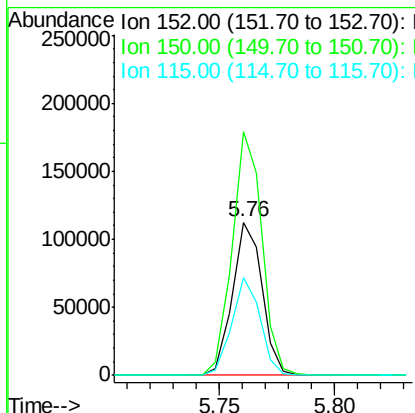
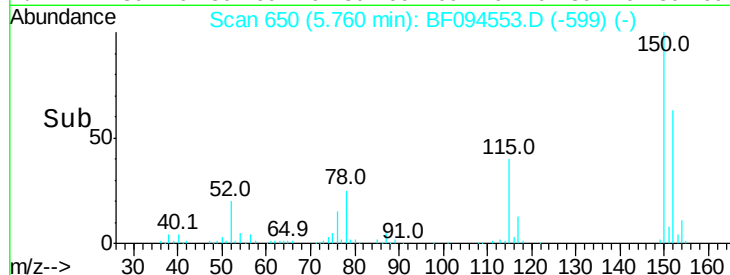
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 100708
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 64.2 52.2 78.2



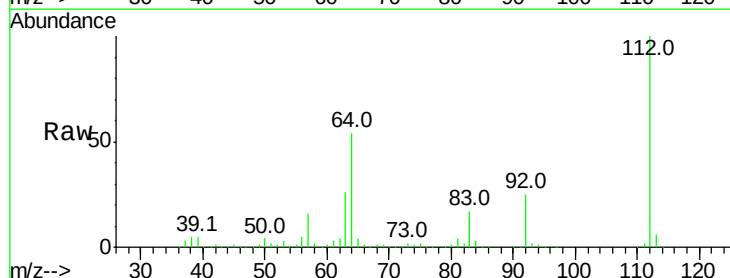
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



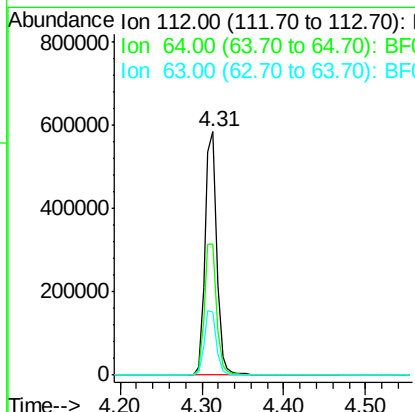
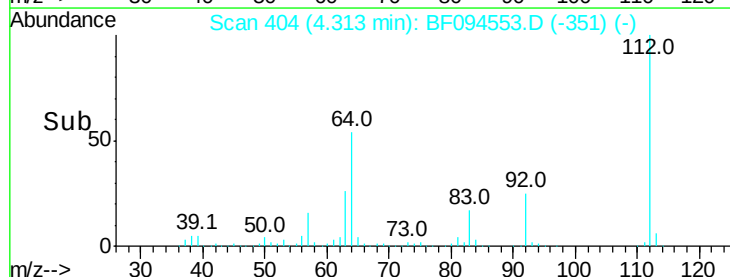
#5

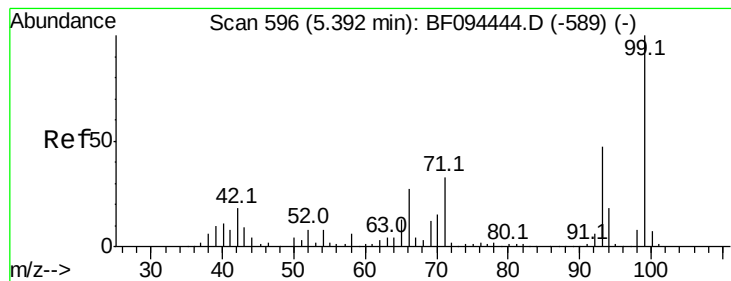
2-Fluorophenol
Concen: 96.83 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion:112 Resp: 587797
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 26.2 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: 99.16 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

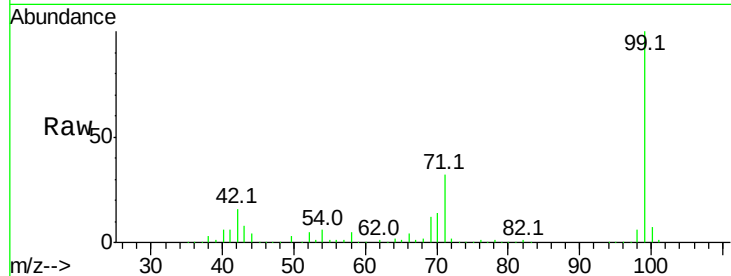
Tot Ion: 99 Resp: 709576

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

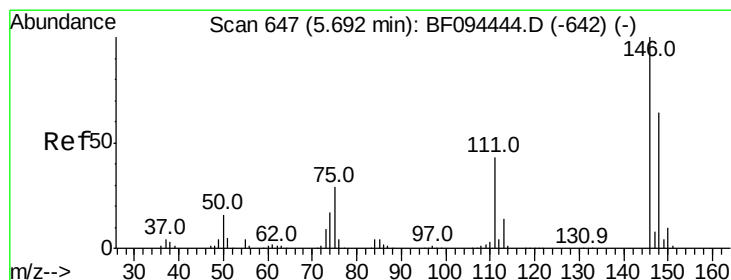
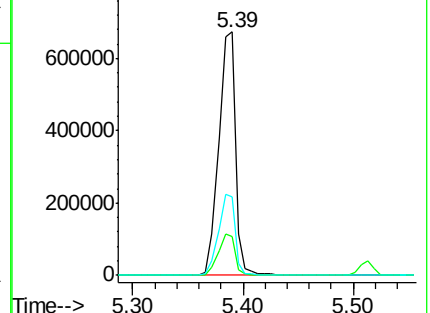
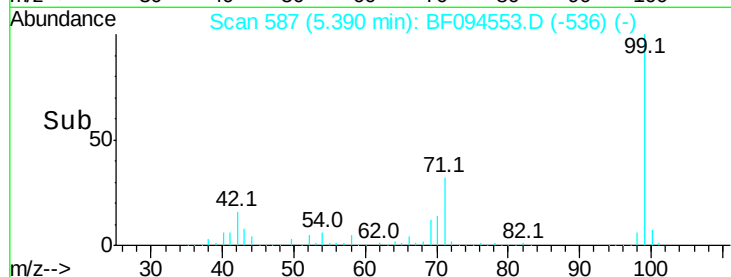
71 32.3 24.5 36.7



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



#12

1,3-Dichlorobenzene

Concen: 2.10 ng

RT: 5.95 min Scan# 683

Delta R.T. 0.26 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

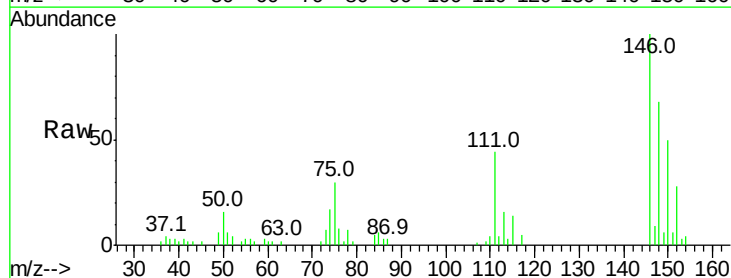
Tgt Ion: 146 Resp: 16069

Ion Ratio Lower Upper

146 100

148 68.2 51.8 77.6

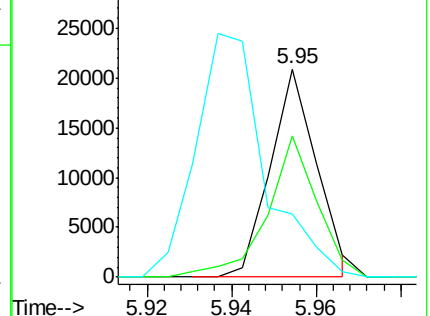
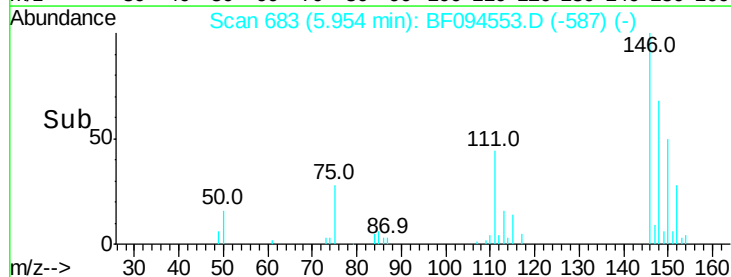
75 30.1 23.1 34.7

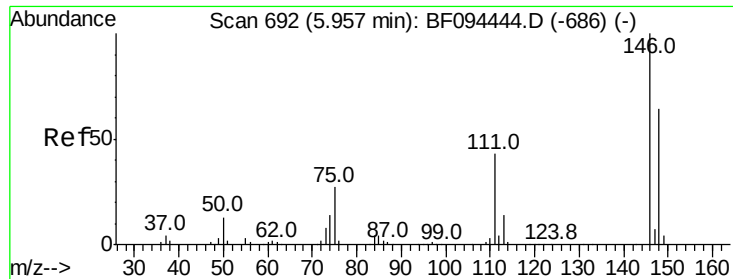


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

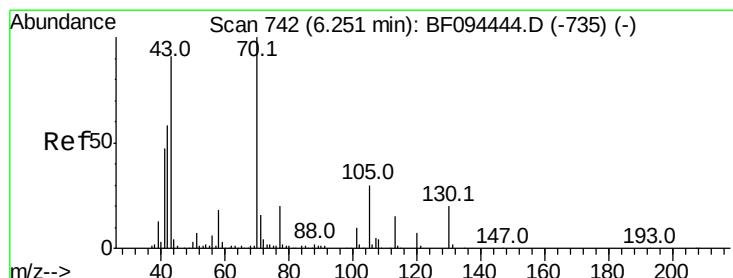
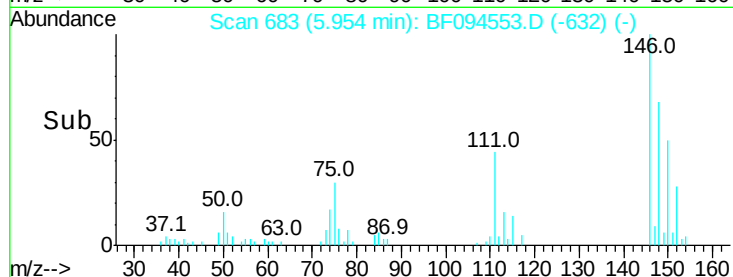
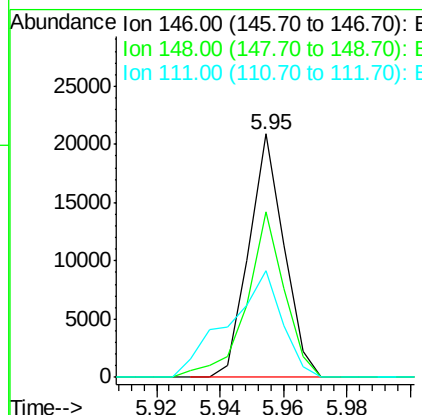
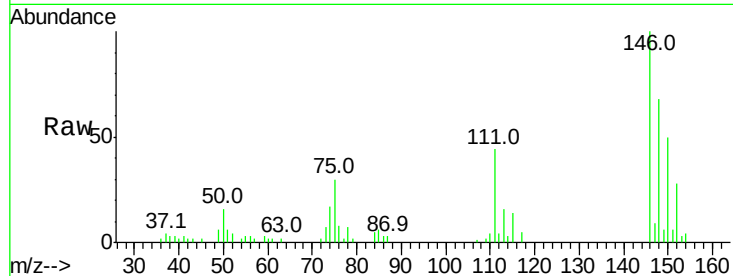




#14
 1,2-Dichlorobenzene
 Concen: 2.27 ng
 RT: 5.95 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

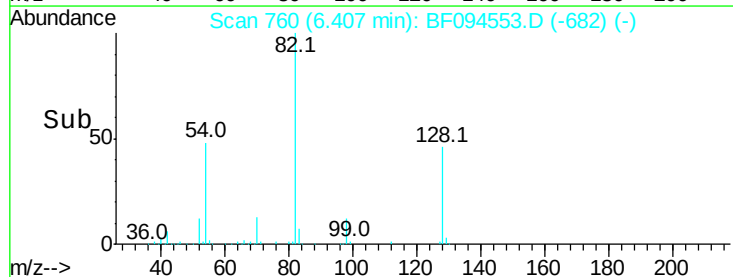
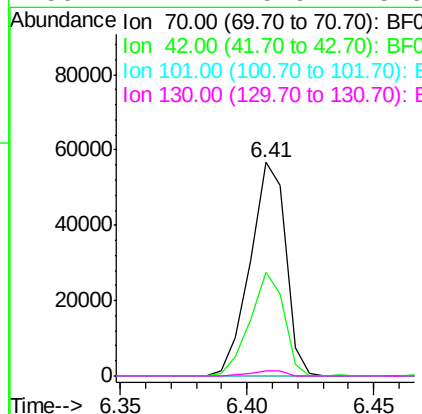
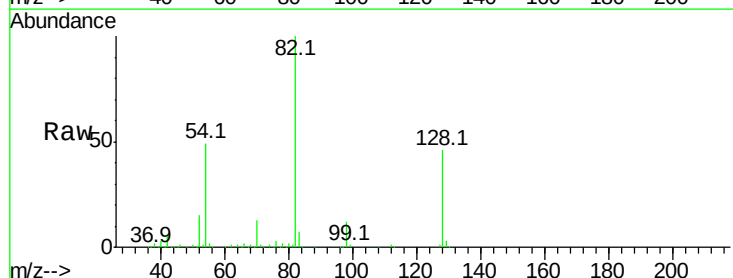
Instrument :
 BNA_F
 ClientSampled :

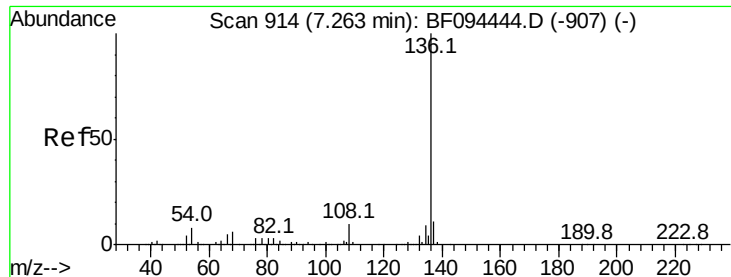
Tot Ion:146 Resp: 16071
 Ion Ratio Lower Upper
 146 100
 148 68.2 50.4 75.6
 111 44.0 38.2 57.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 11.75 ng
 RT: 6.41 min Scan# 760
 Delta R.T. 0.16 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Tgt Ion: 70 Resp: 55704
 Ion Ratio Lower Upper
 70 100
 42 48.3 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 418139

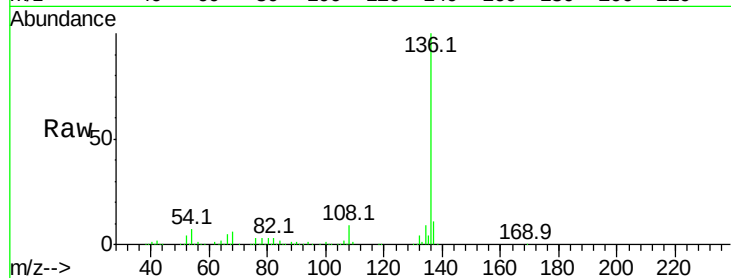
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 5.6 4.1 6.1

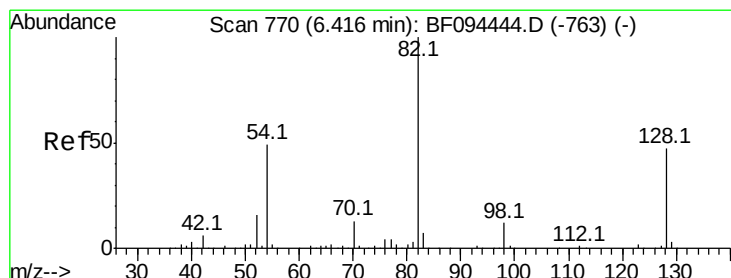
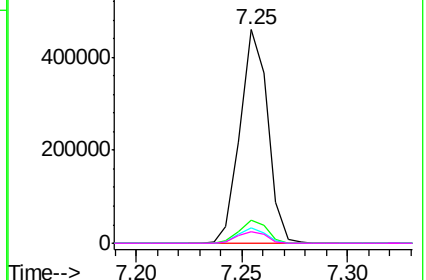
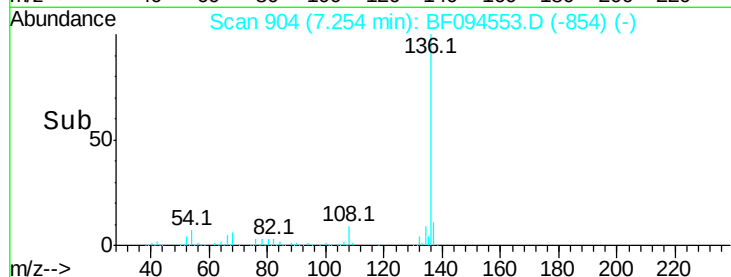


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.70 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

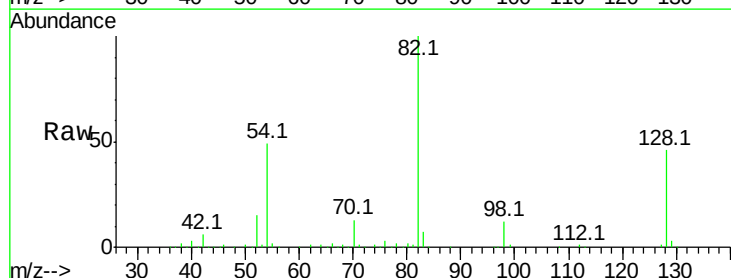
Tgt Ion: 82 Resp: 438106

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

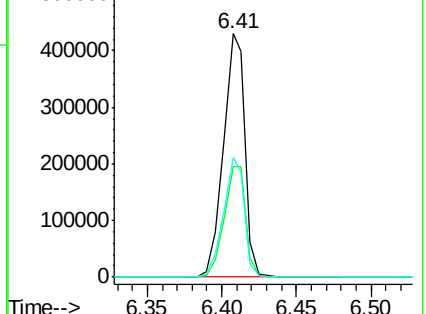
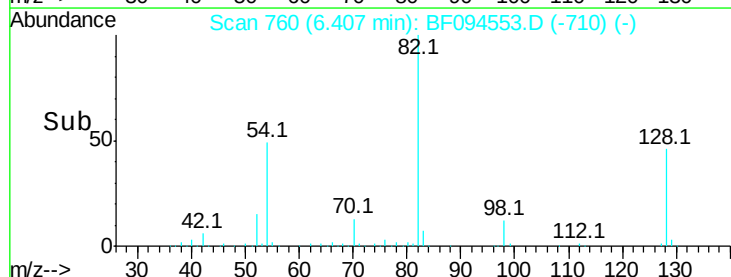
54 49.0 42.2 63.2

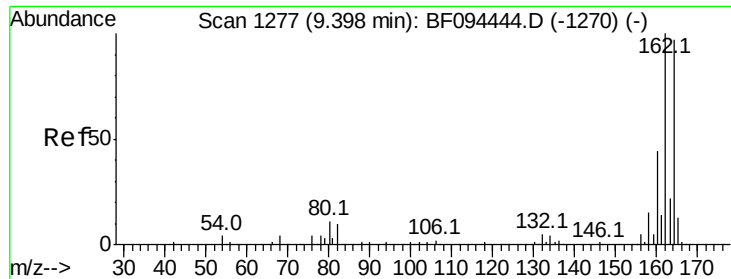


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

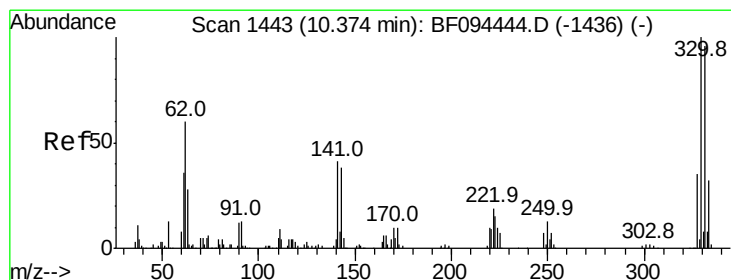
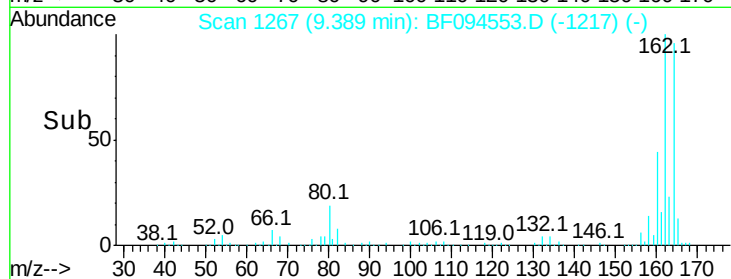
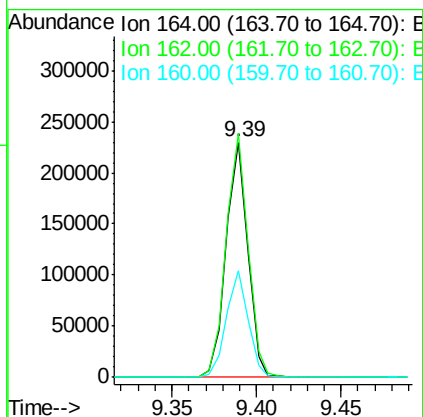
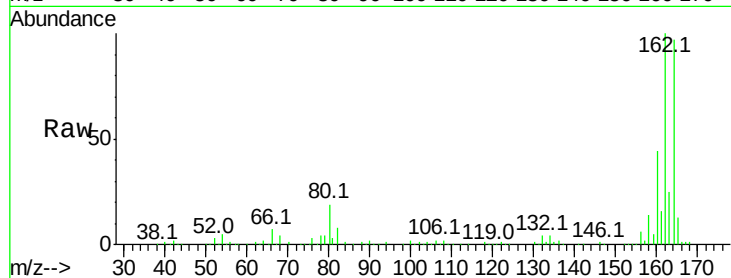




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

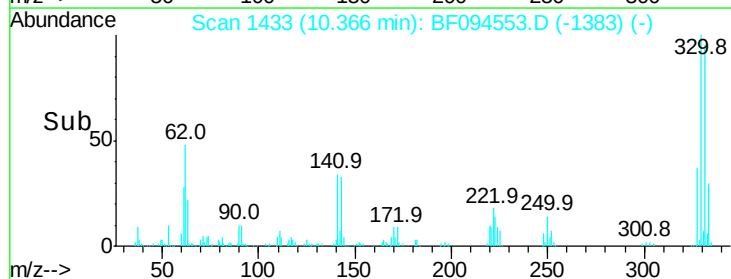
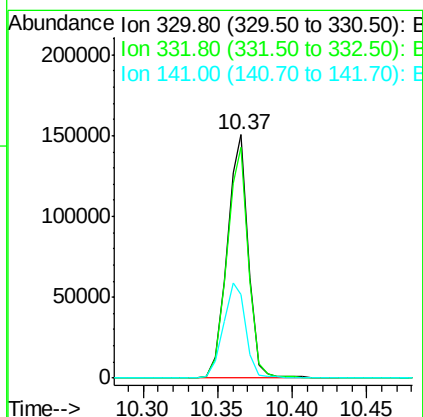
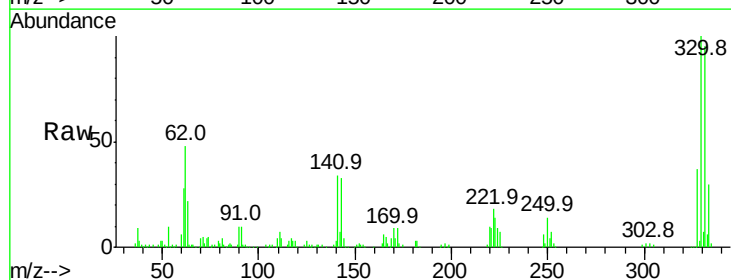
Instrument :
 BNA_F
 ClientSampleId :

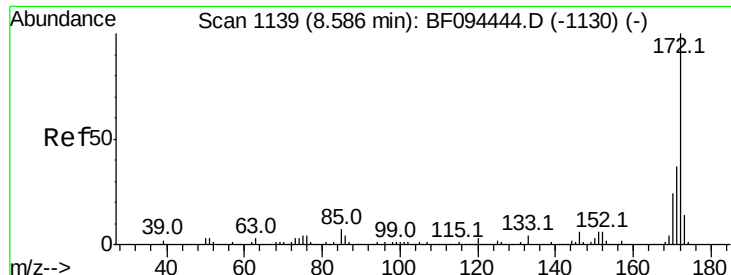
Tot Ion:164 Resp: 204992
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.6 123.8
 160 45.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 94.44 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Tgt Ion:330 Resp: 151420
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 41.1 31.4 47.2

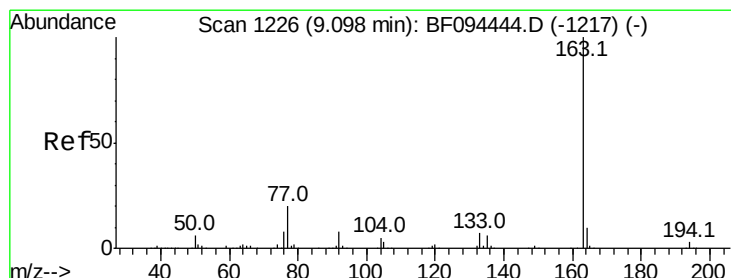
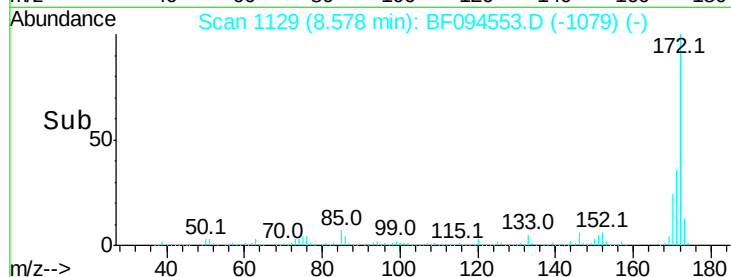
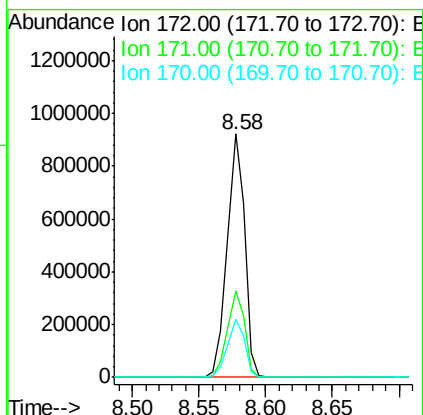
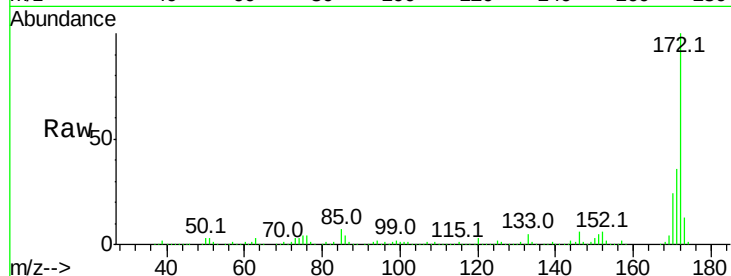




#44
2-Fluorobiphenyl
Concen: 62.18 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

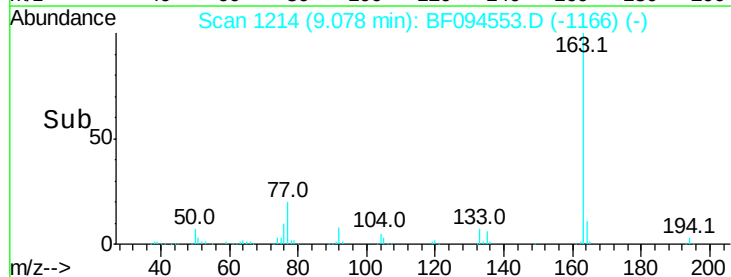
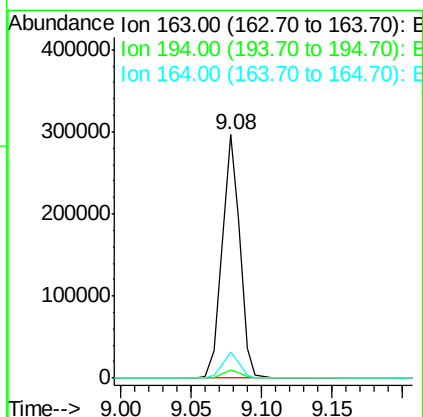
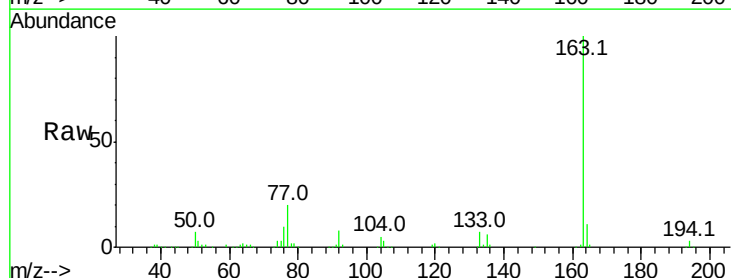
Instrument :
BNA_F
ClientSampleId :

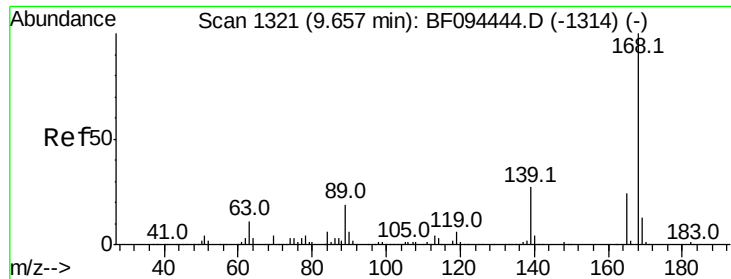
Tot Ion:172 Resp: 866354
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.6 19.8 29.8



#49
Dimethylphthalate
Concen: 16.88 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion:163 Resp: 257900
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.5 8.4 12.6

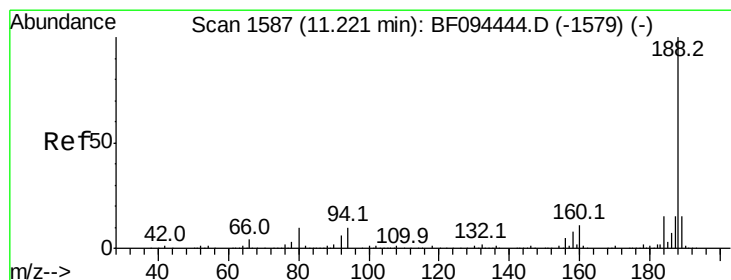
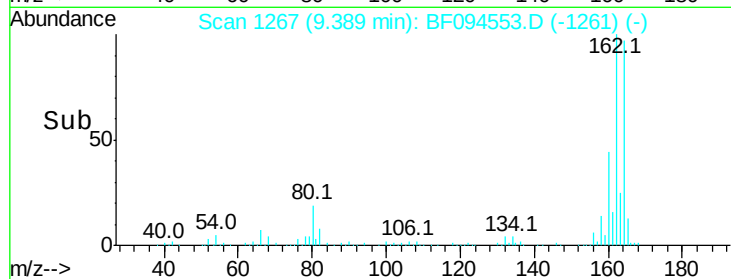
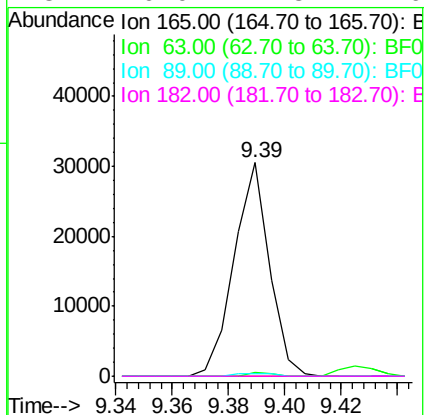
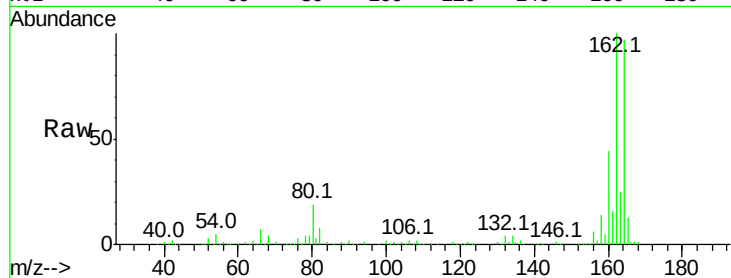




#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

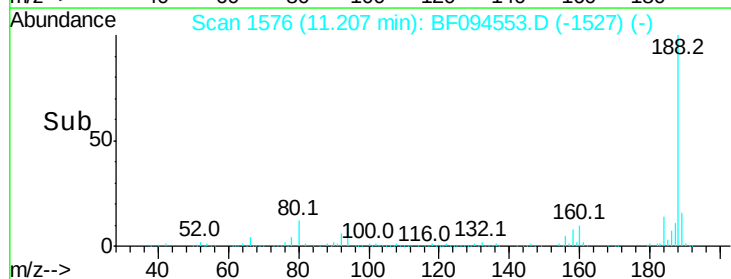
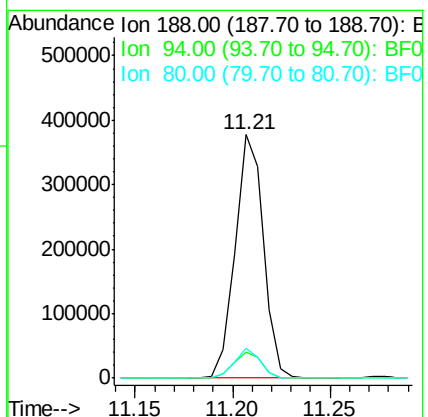
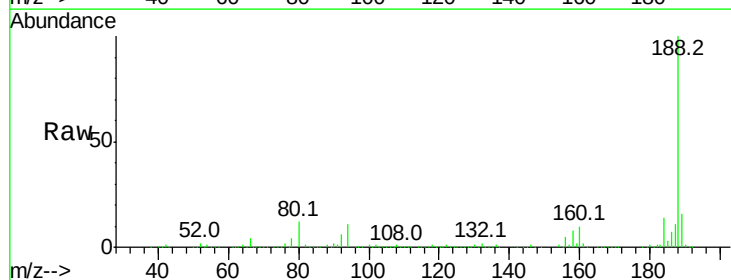
Instrument :
 BNA_F
 ClientSampleId :

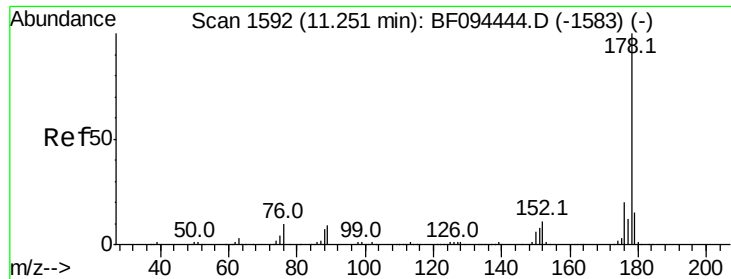
Tot Ion:	165	Resp:	26516
Ion Ratio	Lower	Upper	
165	100		
63	1.9	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Tgt Ion:	188	Resp:	376362
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	12.3	10.2	15.2

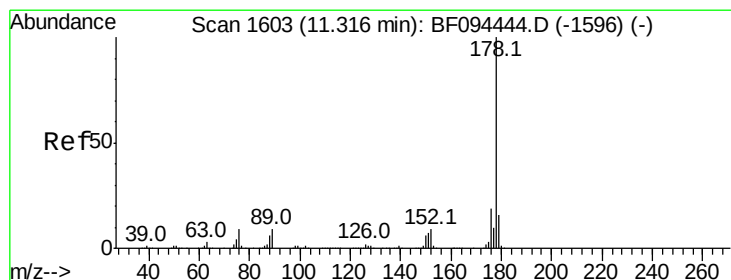
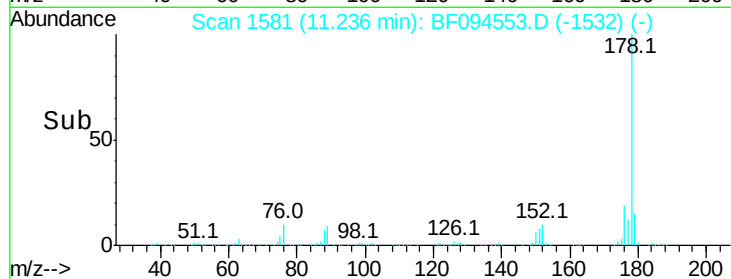
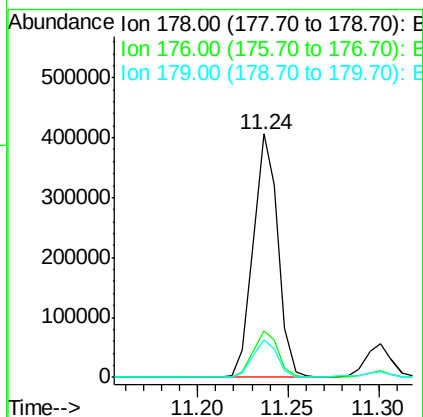
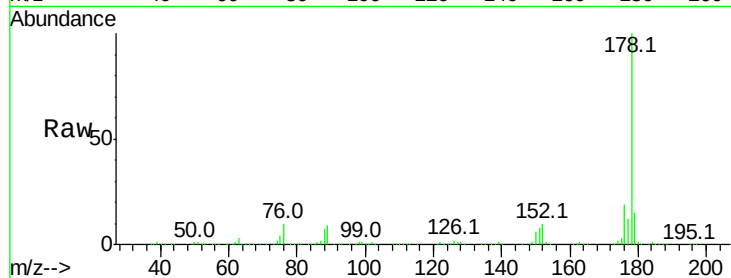




#70
Phenanthrene
Concen: 18.09 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

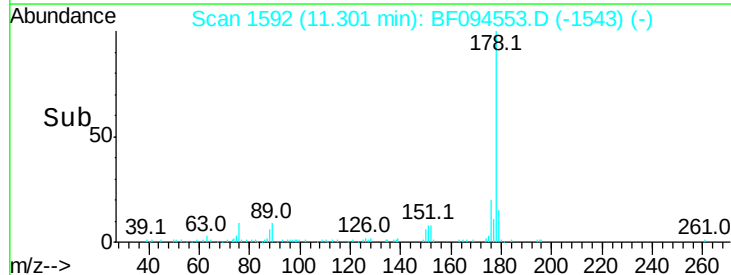
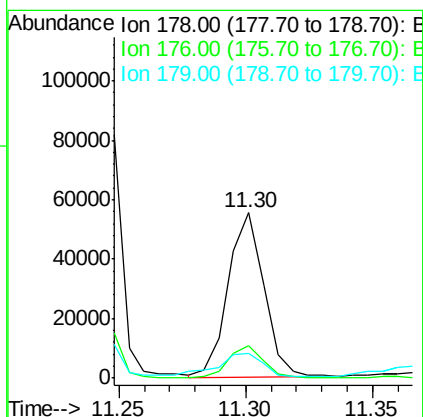
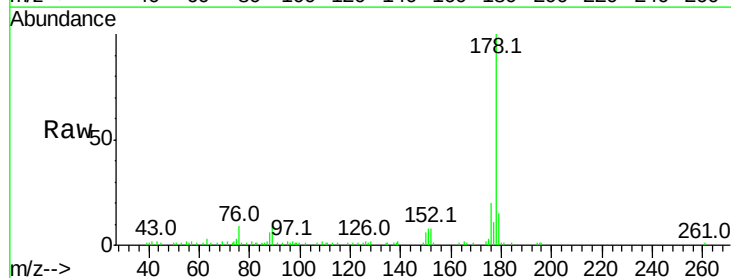
Instrument :
BNA_F
ClientSampled :

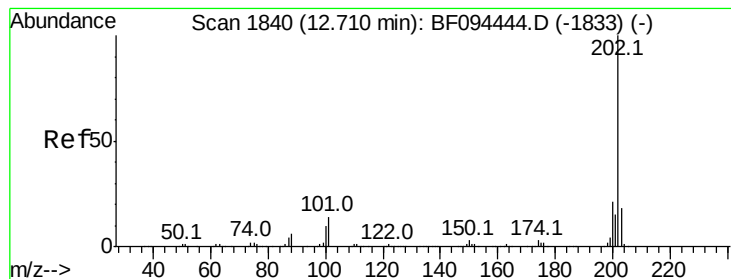
Tot Ion:178 Resp: 383433
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 2.48 ng
RT: 11.30 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion:178 Resp: 54263
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.3 12.7 19.1





#74

Fluoranthene

Concen: 22.70 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

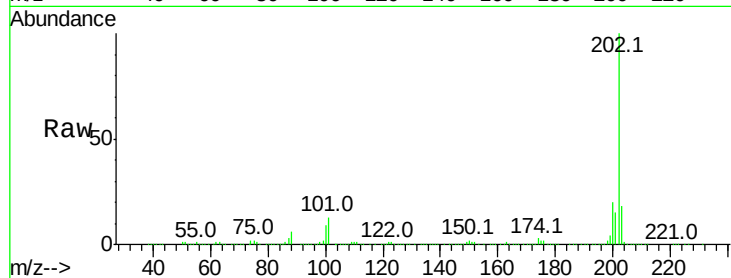
Tot Ion:202 Resp: 498548

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

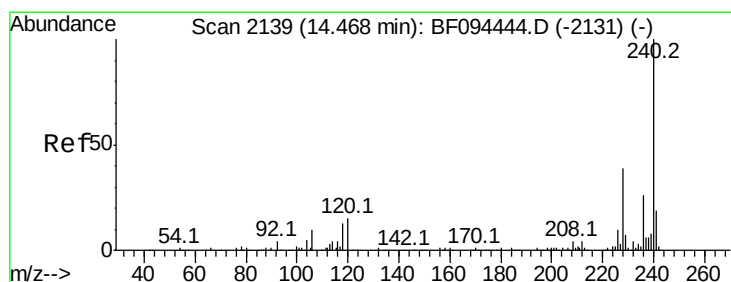
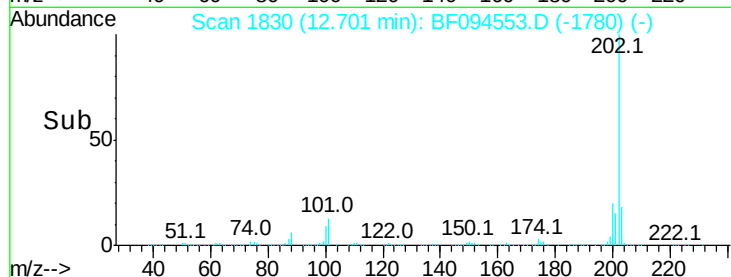
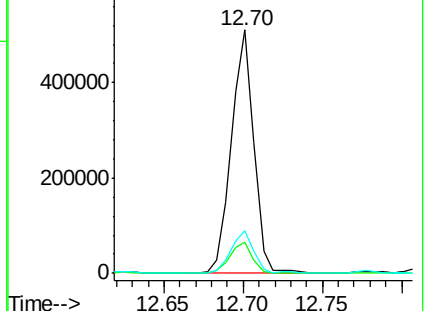
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

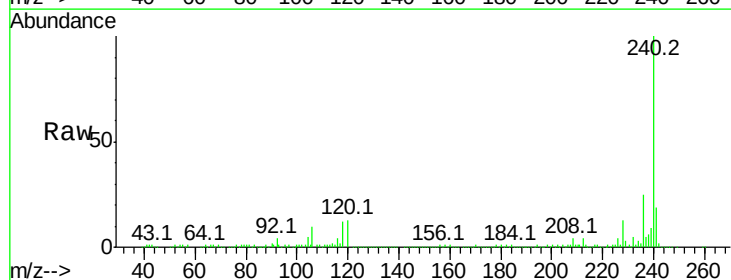
Tgt Ion:240 Resp: 298660

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

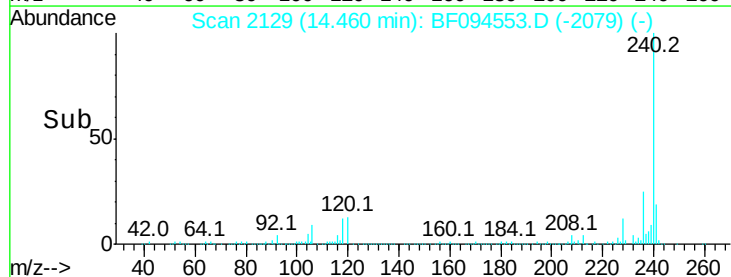
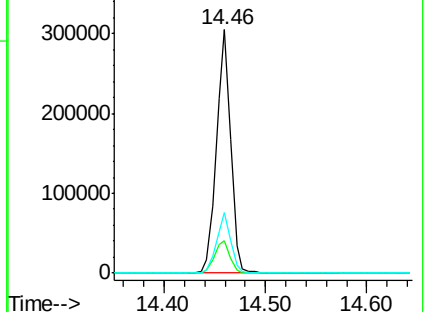
236 24.7 20.5 30.7

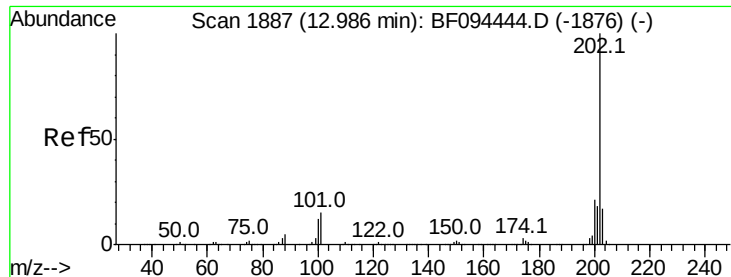


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 26.33 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

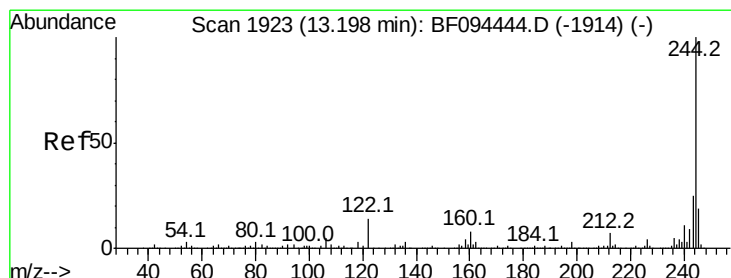
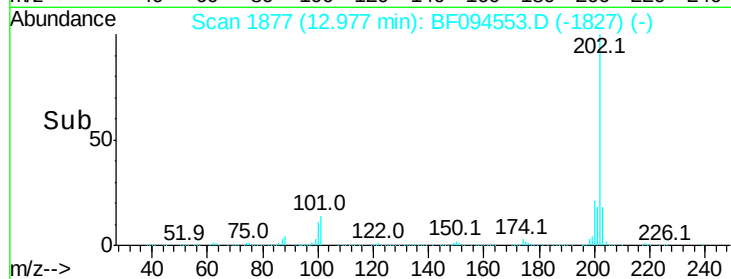
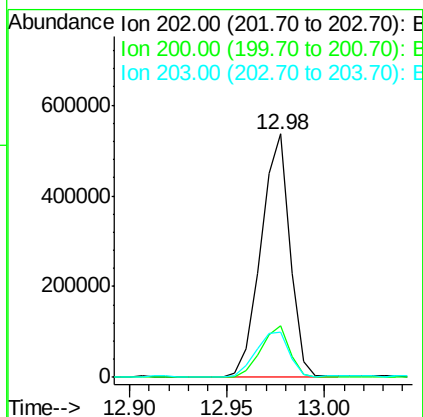
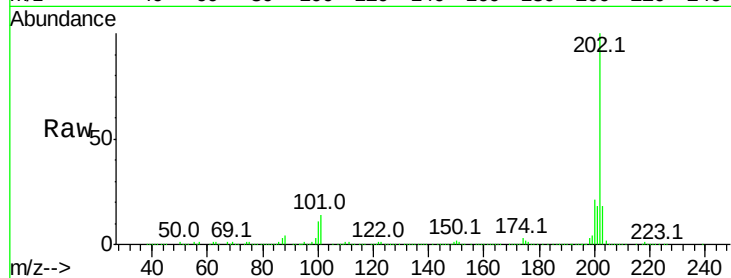
Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 549302

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.4	14.4	21.6



#78

Terphenyl-d14

Concen: 71.90 ng

RT: 13.19 min Scan# 1913

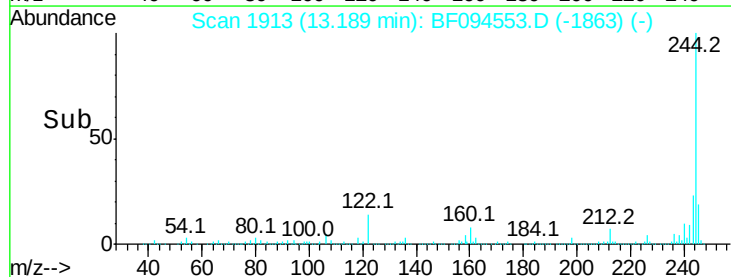
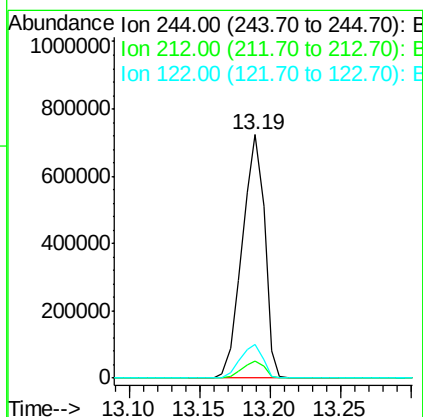
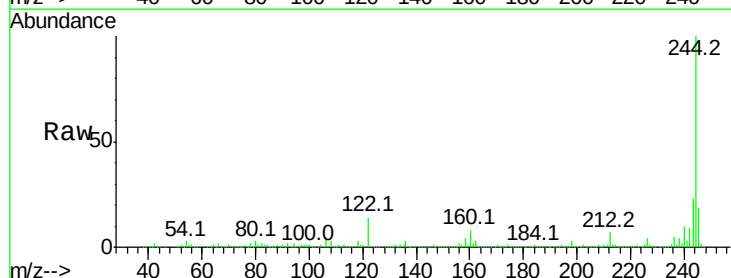
Delta R.T. -0.01 min

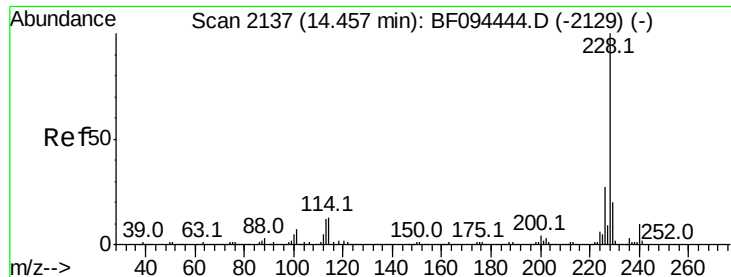
Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Tgt Ion:244 Resp: 803326

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.1	10.3	15.5





#80

Benzo(a)anthracene

Concen: 13.07 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

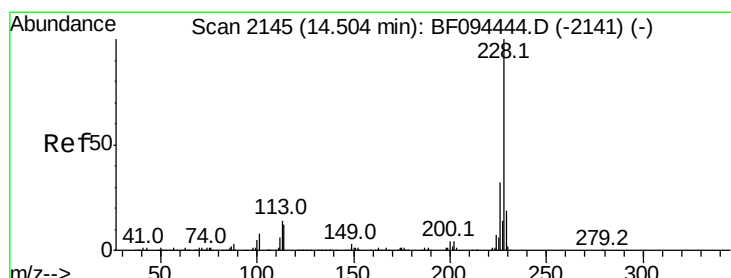
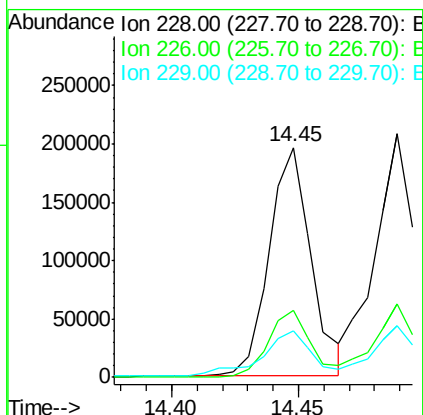
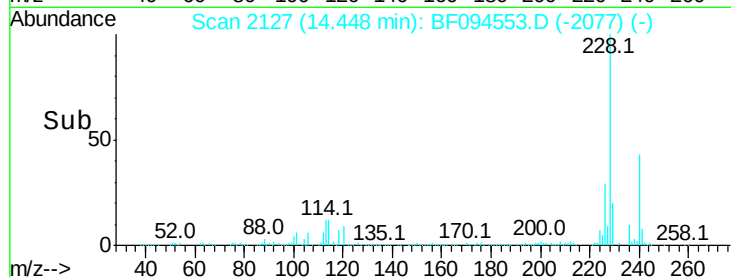
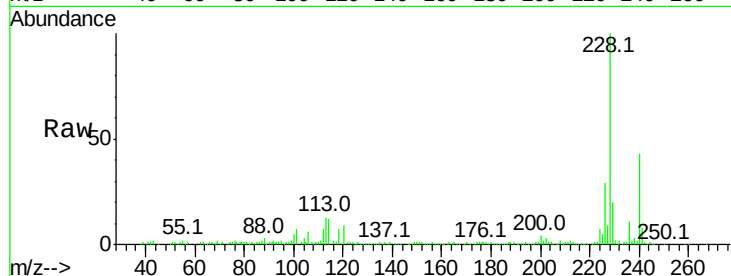
Tot Ion:228 Resp: 226842

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

229 20.4 16.3 24.5



#82

Chrysene

Concen: 14.22 ng

RT: 14.49 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

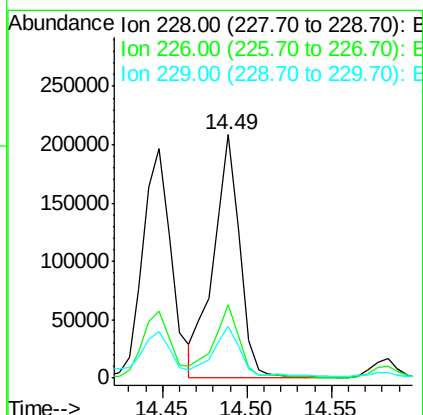
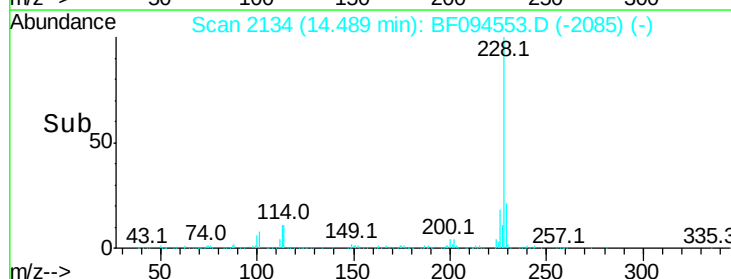
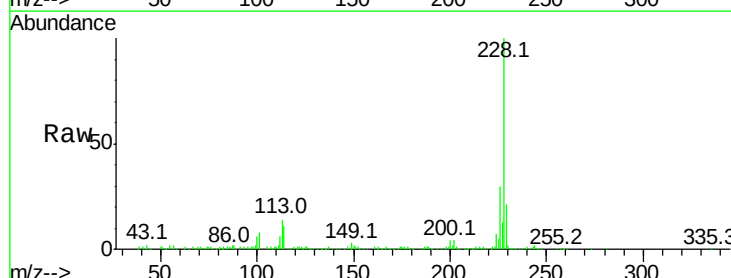
Tgt Ion:228 Resp: 225544

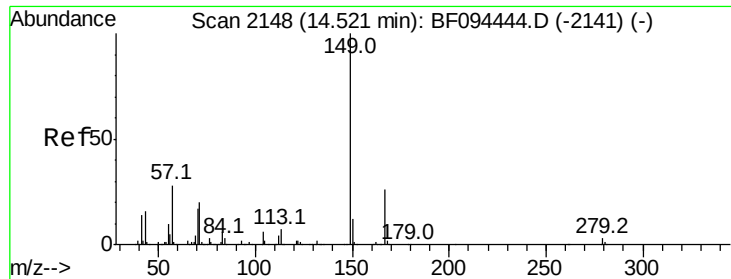
Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 21.4 15.8 23.6

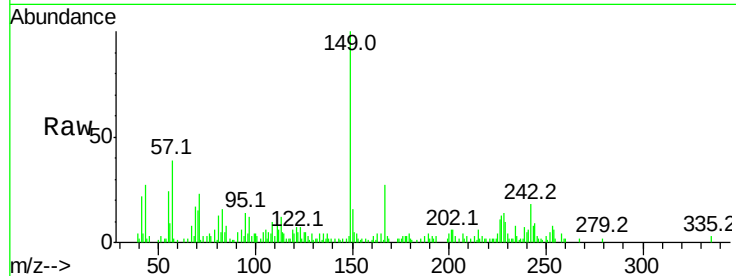




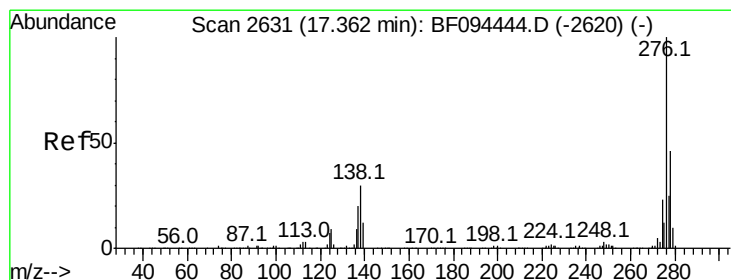
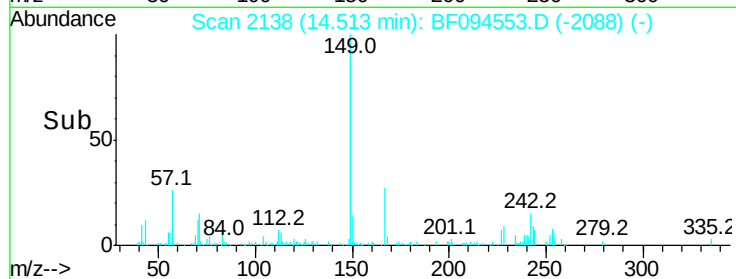
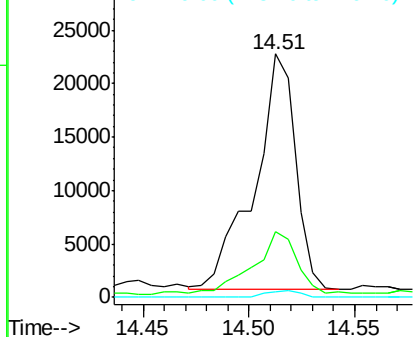
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.44 ng
 RT: 14.51 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	2.0	1.9	2.9

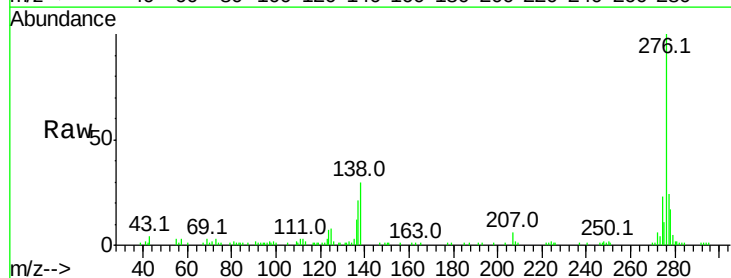


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

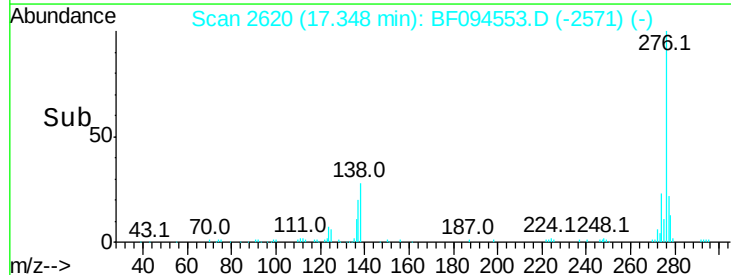
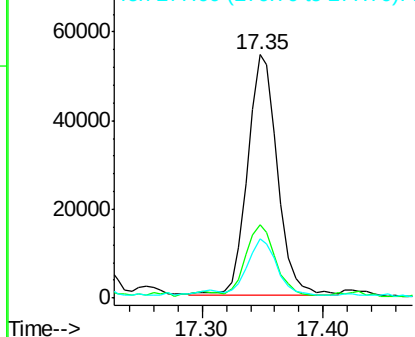


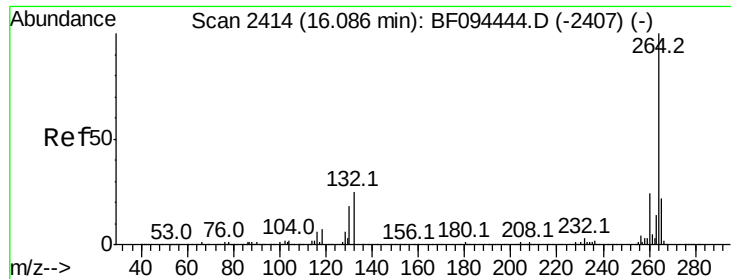
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.25 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	27.8	41.6
277	22.9	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

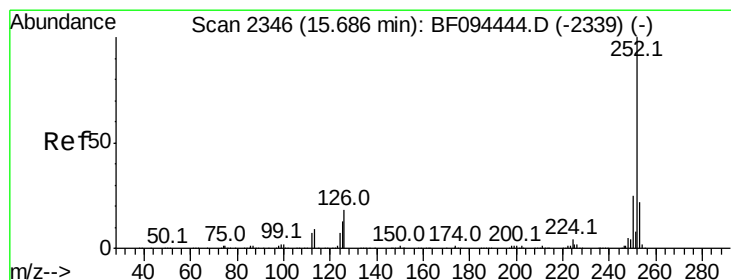
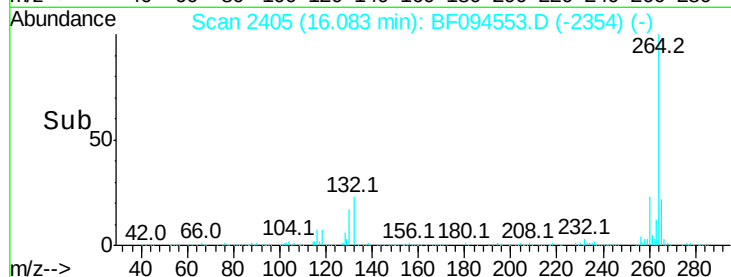
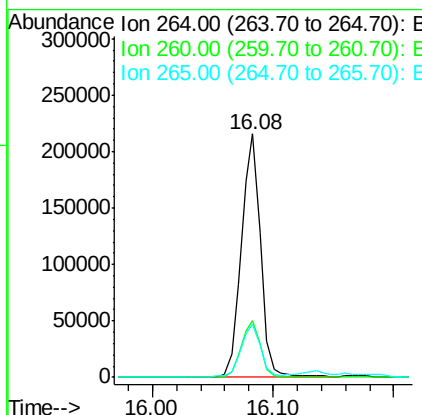
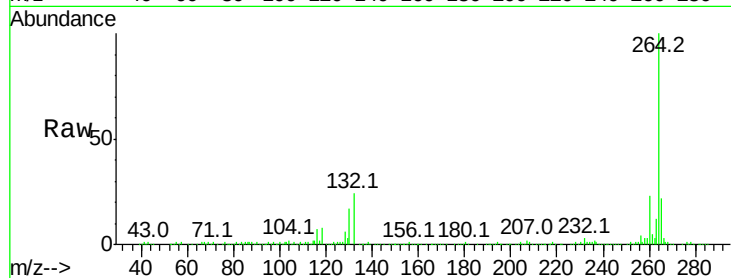




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

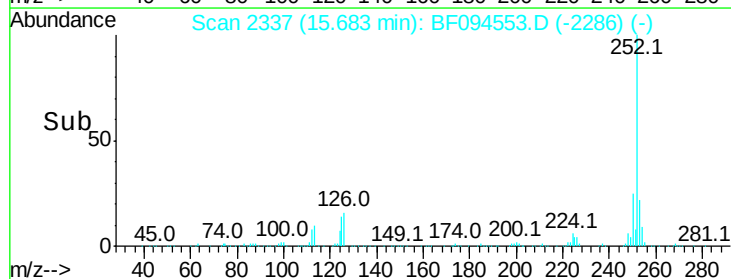
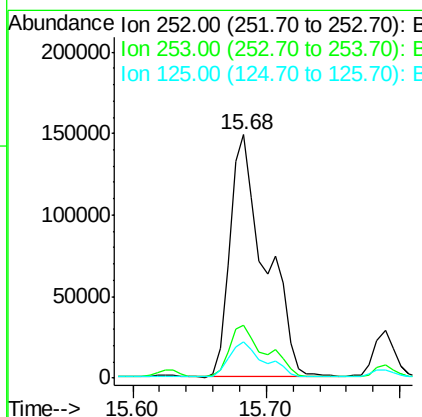
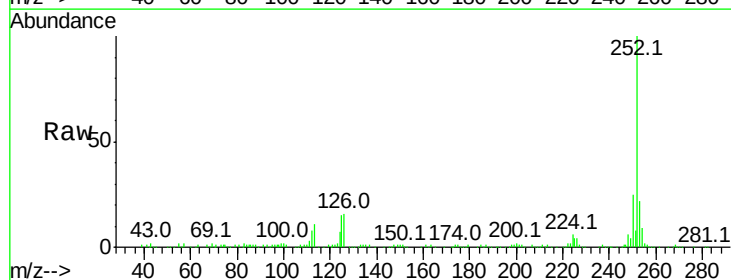
Instrument :
BNA_F
ClientSampled :

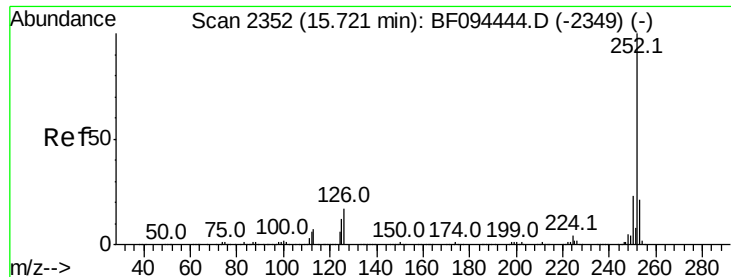
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 18.68 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	14.7	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 19.74 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.04 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

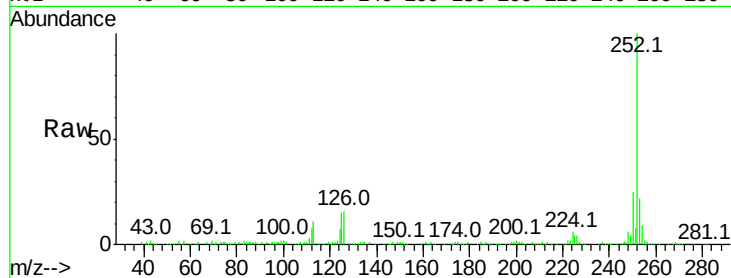
Tot Ion:252 Resp: 274603

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

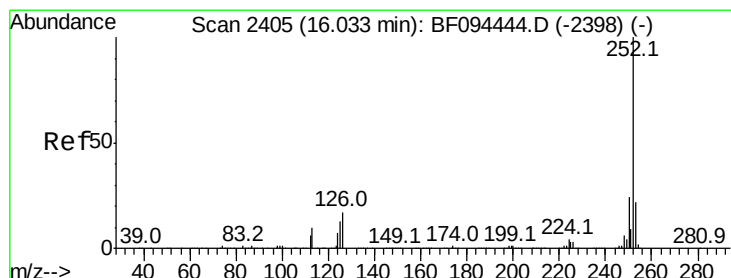
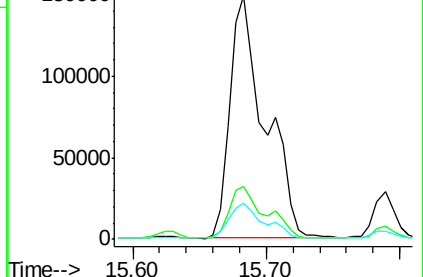
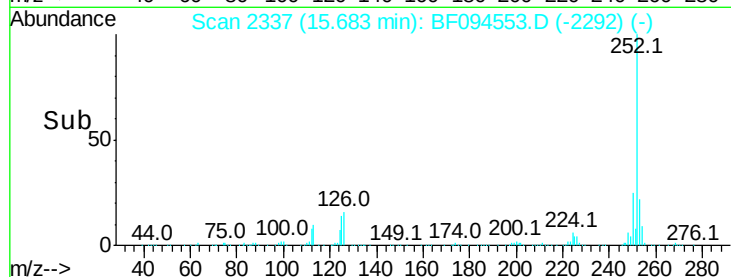
125 14.7 13.1 19.7



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: 11.24 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

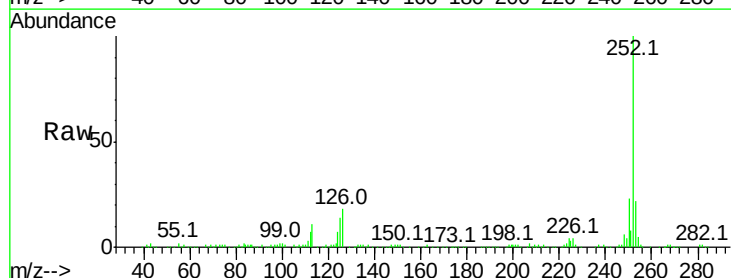
Tgt Ion:252 Resp: 153758

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

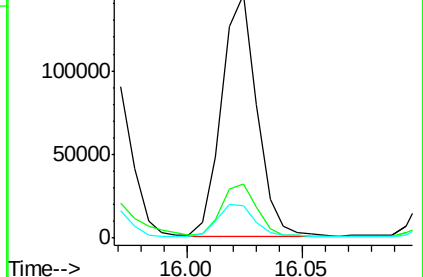
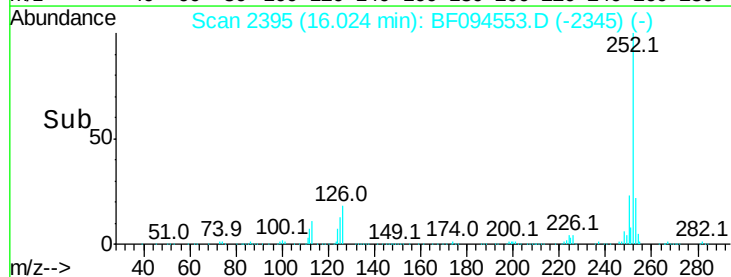
125 13.5 11.0 16.4

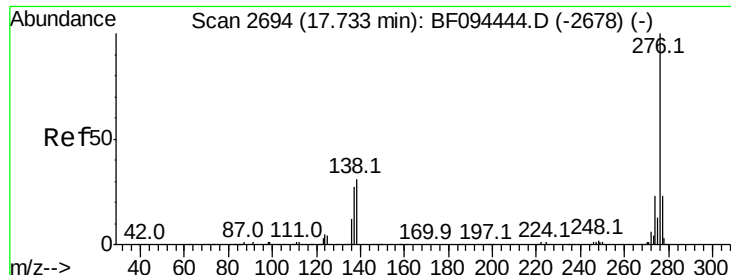


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.93 ng

RT: 17.72 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

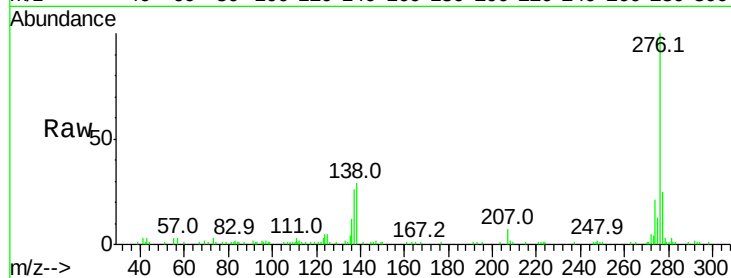
Tot Ion:276 Resp: 91678

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 28.6 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

