

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094473.D
 Acq On : 18 Apr 2017 2:11
 Operator : SJ/MA
 Sample : I2708-15 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 04:38:14 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

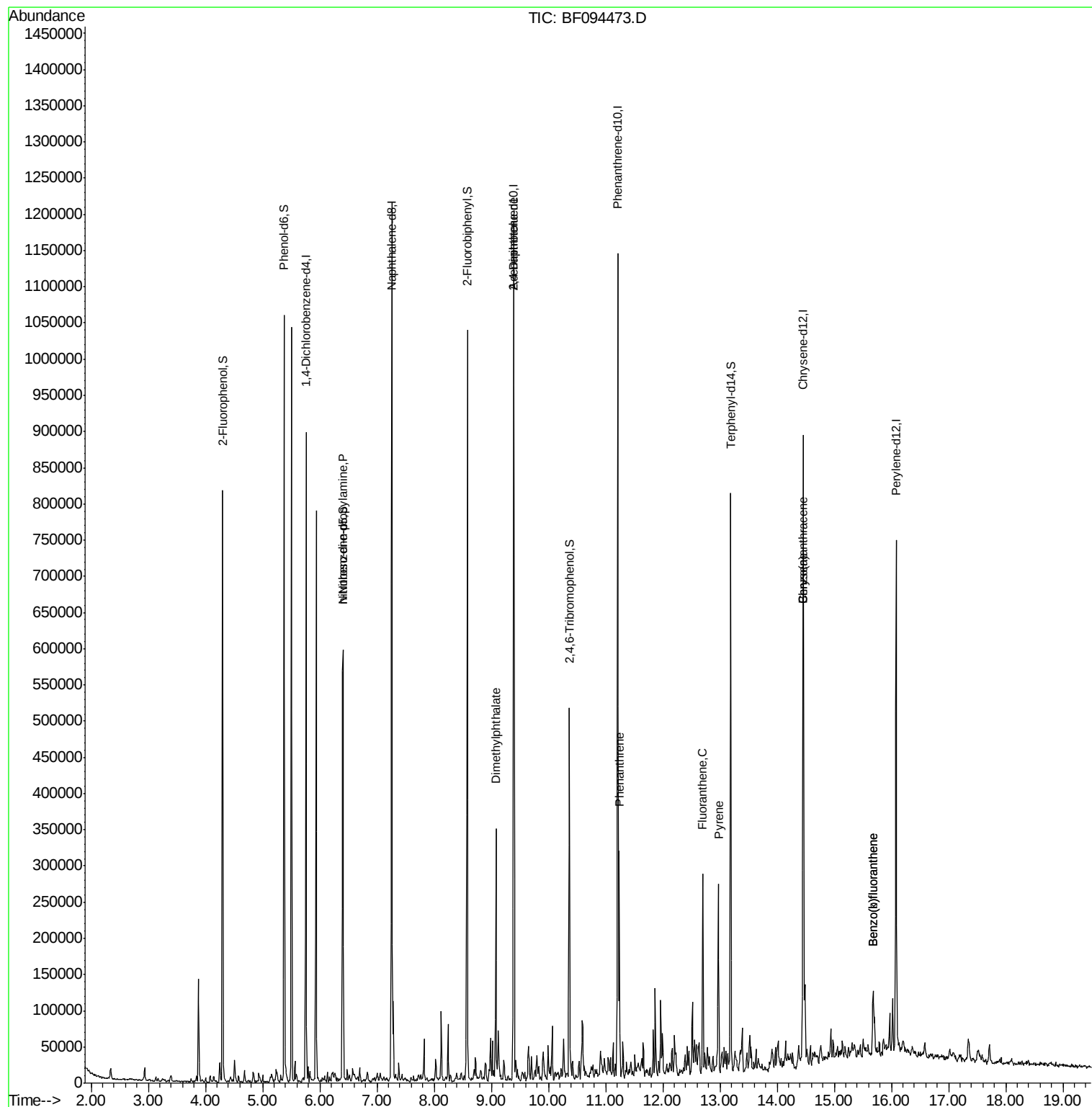
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	144578	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	579788	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	259494	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	460797	20.00	ng	0.00
75) Chrysene-d12	14.46	240	324252	20.00	ng	-0.01
86) Perylene-d12	16.08	264	264888	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	257386	29.54	ng	0.00
7) Phenol-d6	5.37	99	341419	33.23	ng	-0.02
23) Nitrobenzene-d5	6.40	82	205557	21.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	50643	24.95	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	355131	20.14	ng	0.00
78) Terphenyl-d14	13.19	244	251863	20.76	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	26401	3.88	ng	# 80
49) Dimethylphthalate	9.08	163	152375	7.88	ng	98
56) 2,4-Dinitrotoluene	9.39	165	33578	6.30	ng	# 34
70) Phenanthrene	11.24	178	119123	4.59	ng	97
74) Fluoranthene	12.70	202	123171	4.58	ng	98
77) Pyrene	12.97	202	95435	4.21	ng	96
80) Benzo(a)anthracene	14.44	228	39929	2.12	ng	# 92
82) Chrysene	14.44	228	39929	2.32	ng	95
87) Benzo(b)fluoranthene	15.68	252	56451	3.48	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	56451	3.68	ng	98

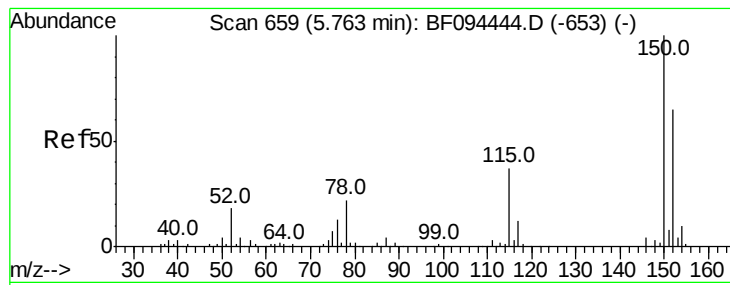
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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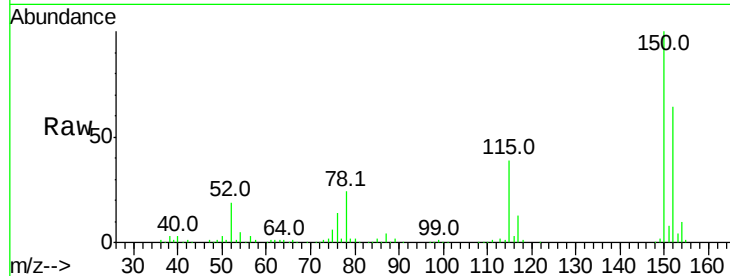


#1

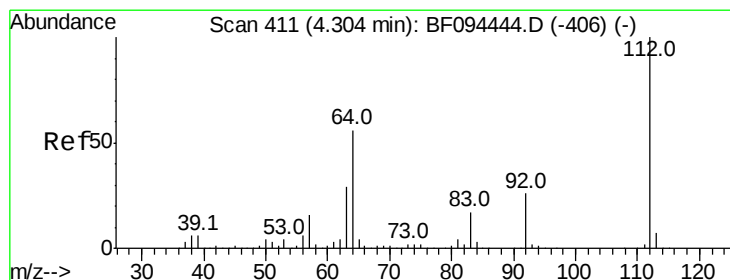
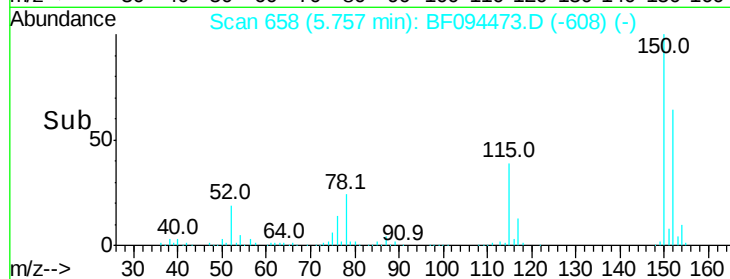
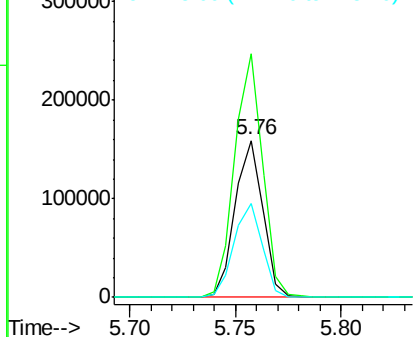
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144578
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 60.2 52.2 78.2



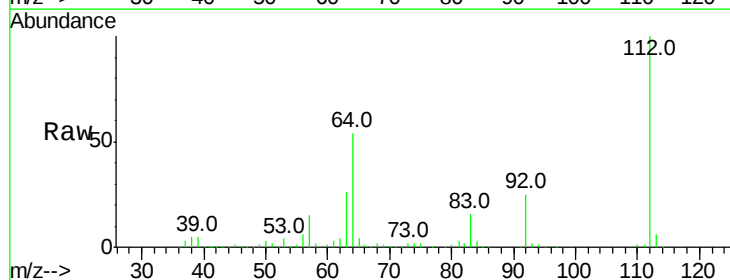
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



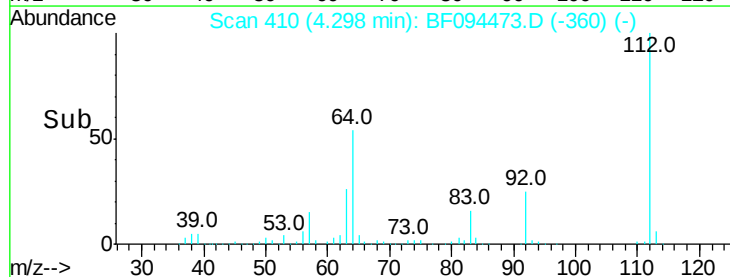
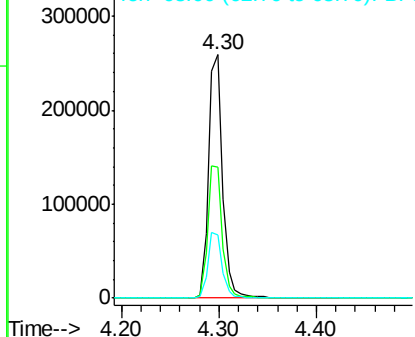
#5

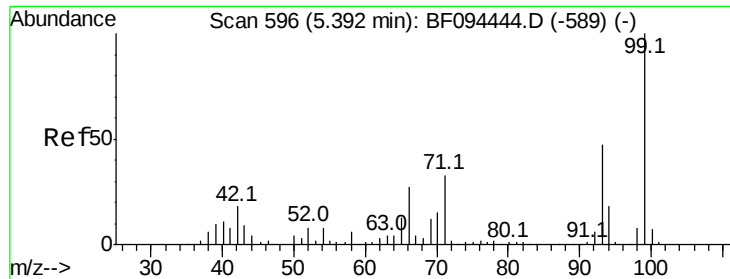
2-Fluorophenol
Concen: 29.54 ng
RT: 4.30 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Tgt Ion:112 Resp: 257386
Ion Ratio Lower Upper
112 100
64 54.1 46.0 69.0
63 25.9 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: 33.23 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

Instrument :

BNA_F

ClientSampled :

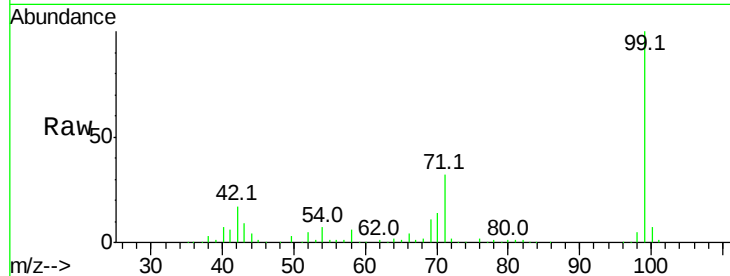
Tot Ion: 99 Resp: 341419

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

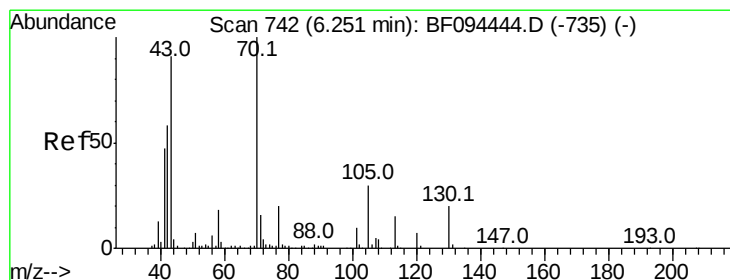
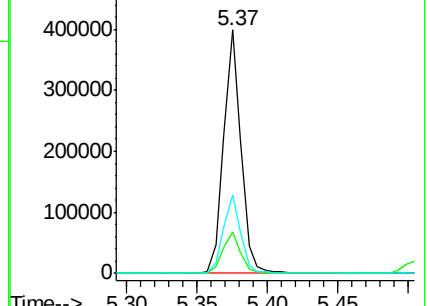
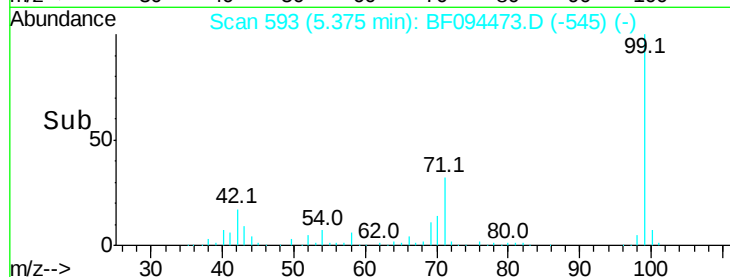
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.88 ng

RT: 6.40 min Scan# 768

Delta R.T. 0.15 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

Tgt Ion: 70 Resp: 26401

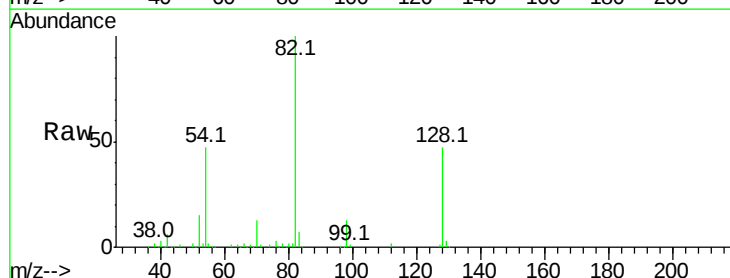
Ion Ratio Lower Upper

70 100

42 48.8 47.2 70.8

101 0.0 7.2 10.8#

130 3.0 15.9 23.9#

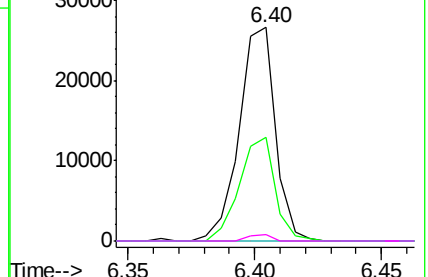
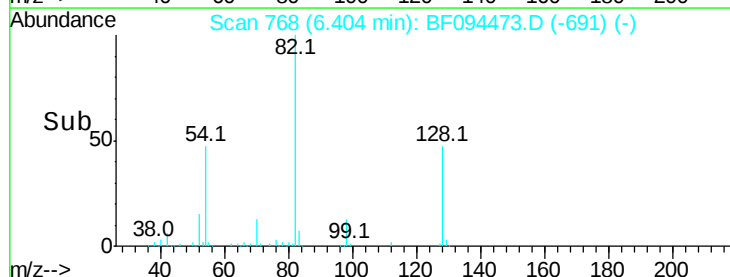


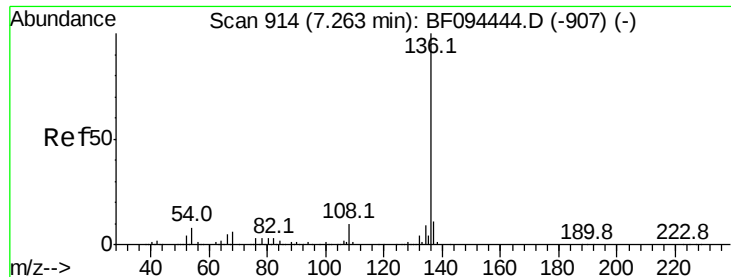
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

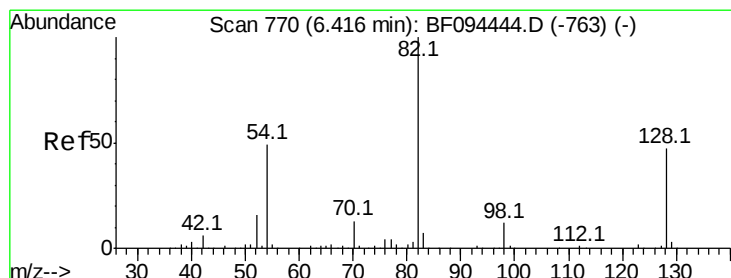
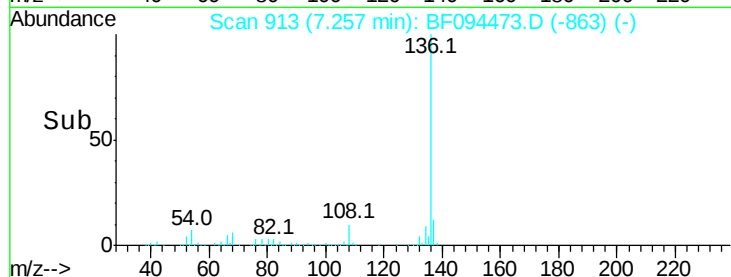
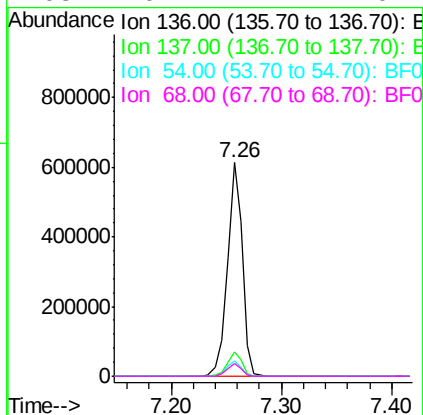
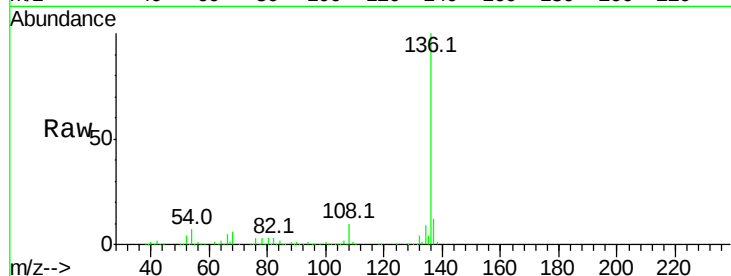




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

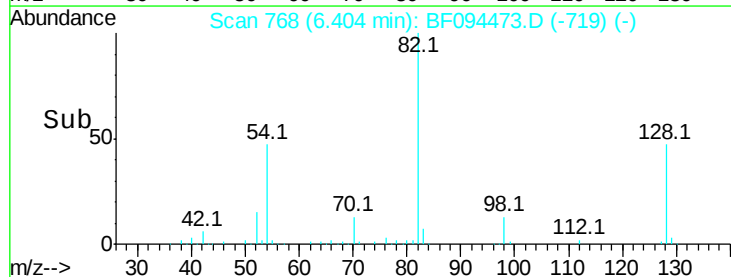
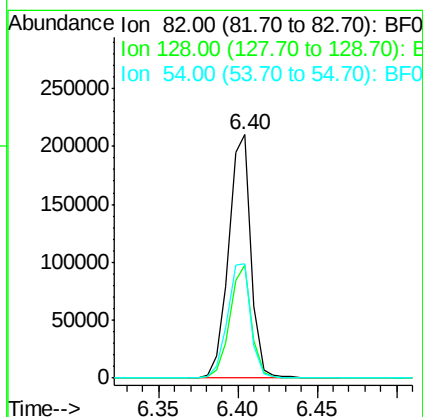
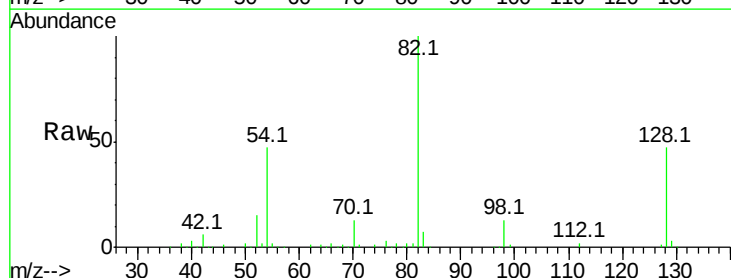
Instrument :
BNA_F
ClientSampleId :

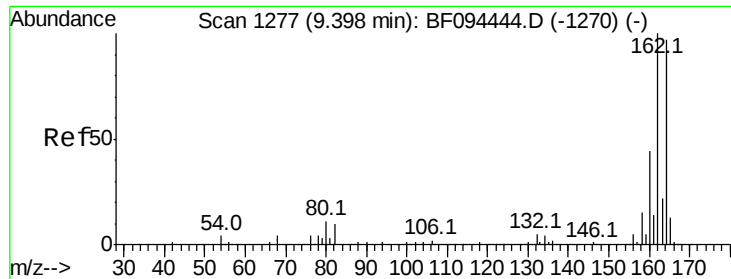
Tot Ion:136	Resp:	579788
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.5	12.7
54 7.4	4.9	7.3#
68 6.2	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 21.89 ng
RT: 6.40 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Tgt Ion: 82	Resp:	205557
Ion Ratio	Lower	Upper
82 100		
128 46.7	34.0	51.0
54 46.8	42.2	63.2

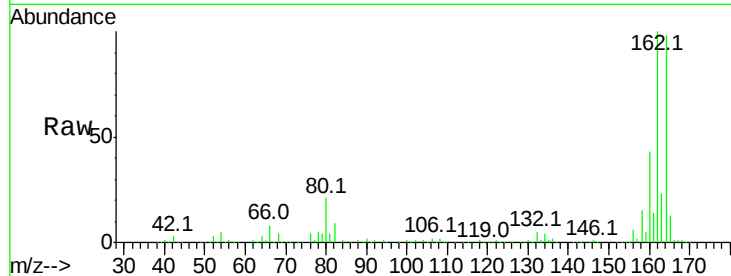




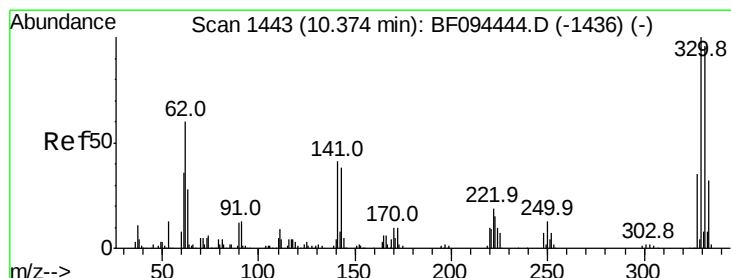
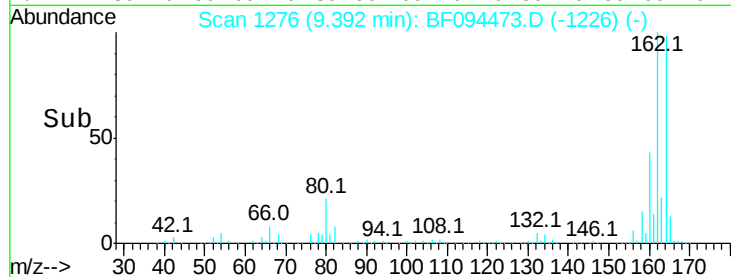
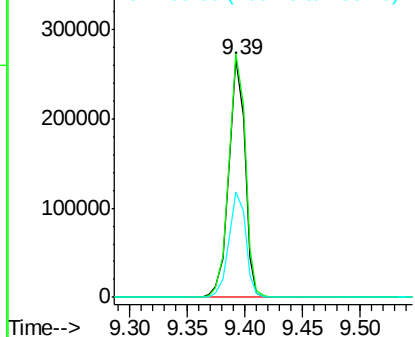
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094473.D
 Acq: 18 Apr 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 259494
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 44.1 36.2 54.2

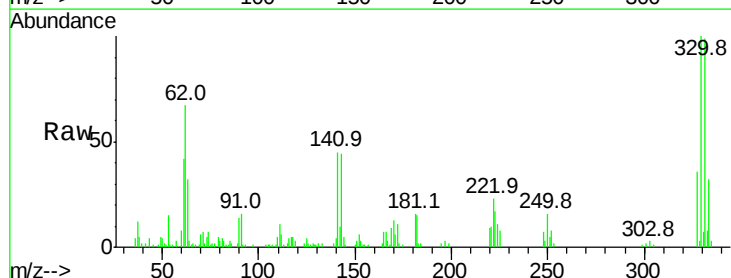


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

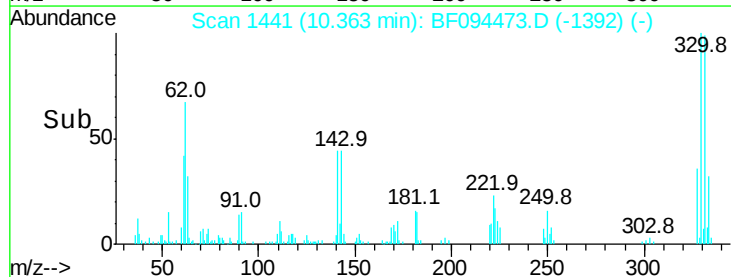
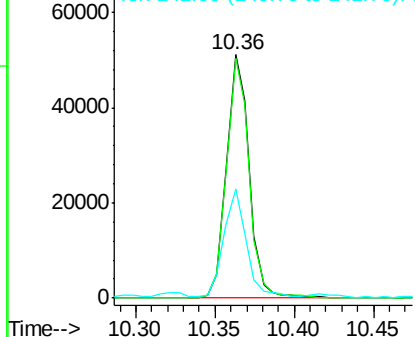


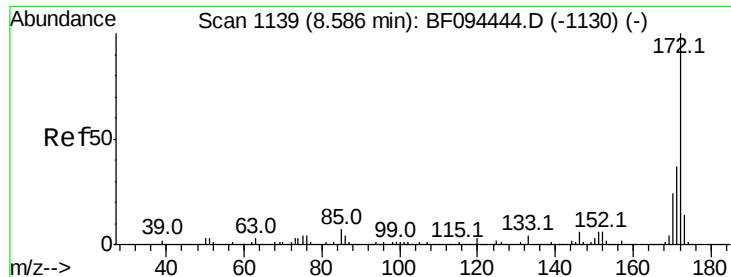
#41
 2,4,6-Tribromophenol
 Concen: 24.95 ng
 RT: 10.36 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF094473.D
 Acq: 18 Apr 2017 2:11

Tgt Ion:330 Resp: 50643
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 46.1 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

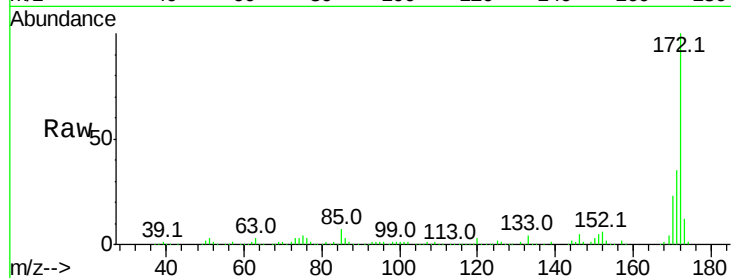




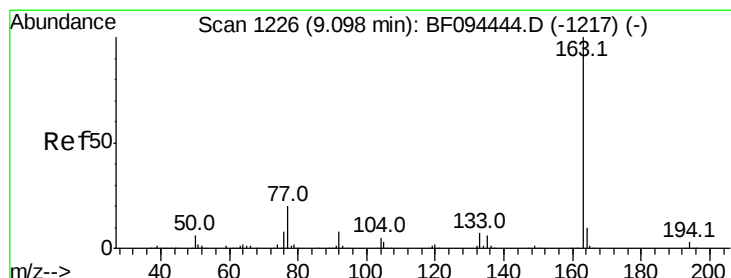
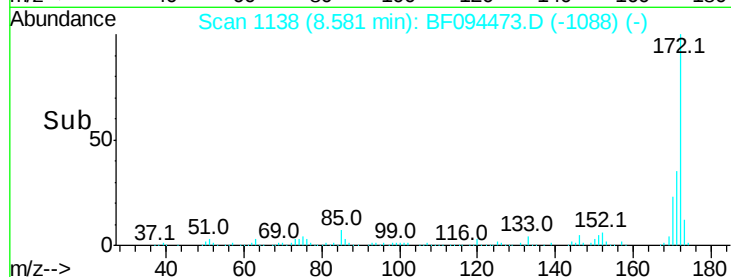
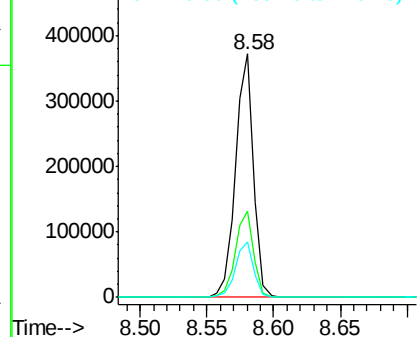
#44
2-Fluorobiphenyl
Concen: 20.14 ng
RT: 8.58 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.0	19.8	29.8

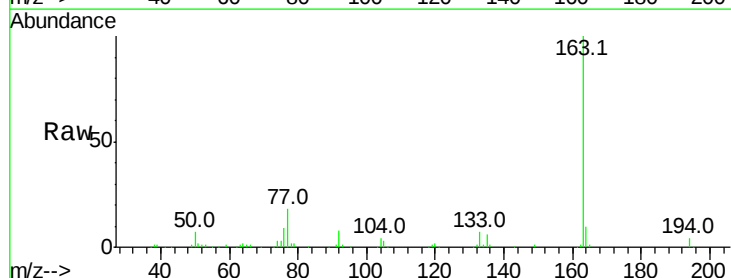


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

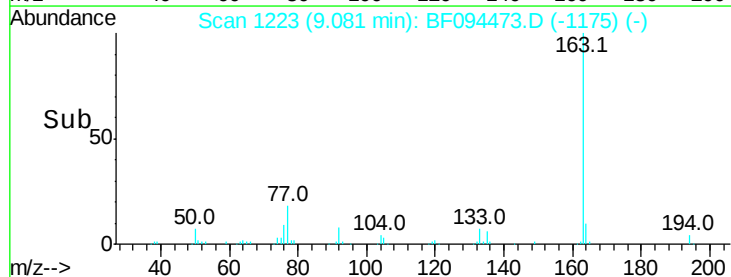
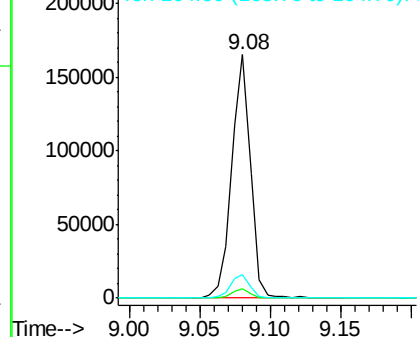


#49
Dimethylphthalate
Concen: 7.88 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.8	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

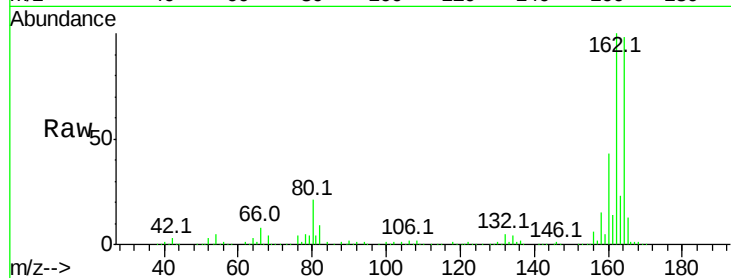




#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.26 min
 Lab File: BF094473.D
 Acq: 18 Apr 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

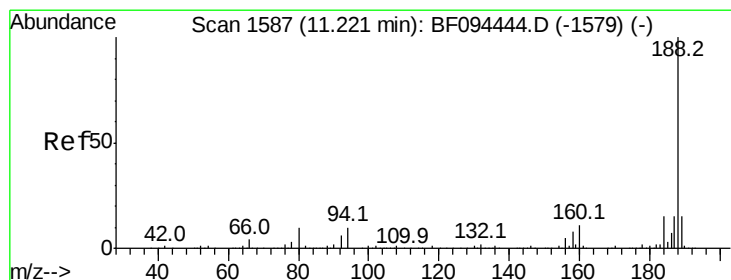
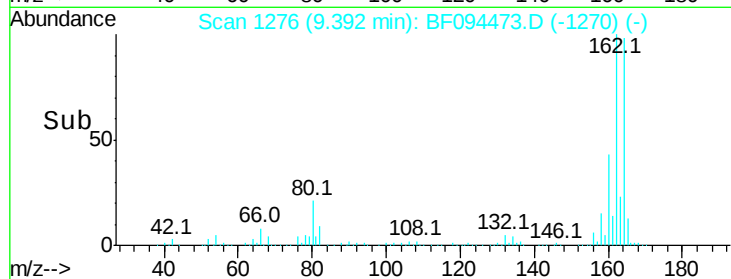
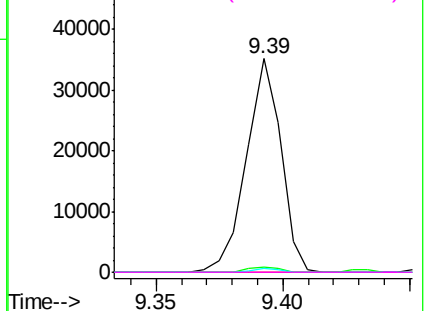


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

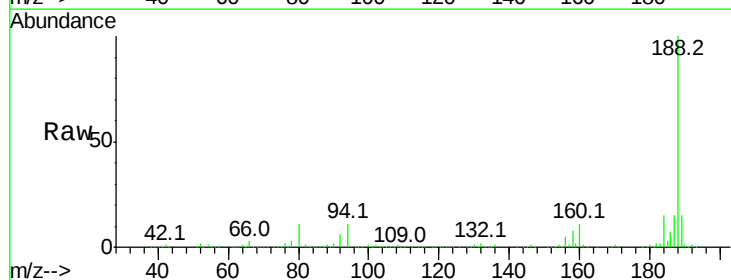
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF094473.D
 Acq: 18 Apr 2017 2:11

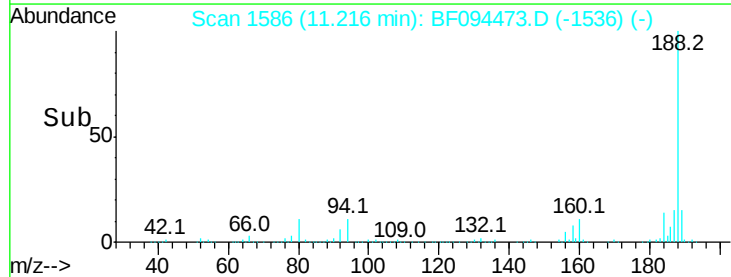
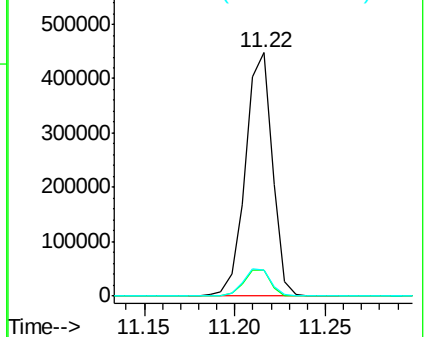
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.7	10.2	15.2

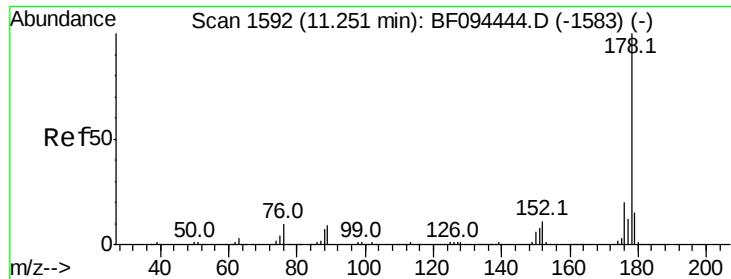


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

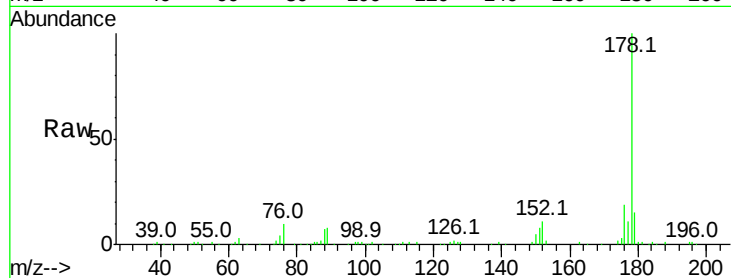




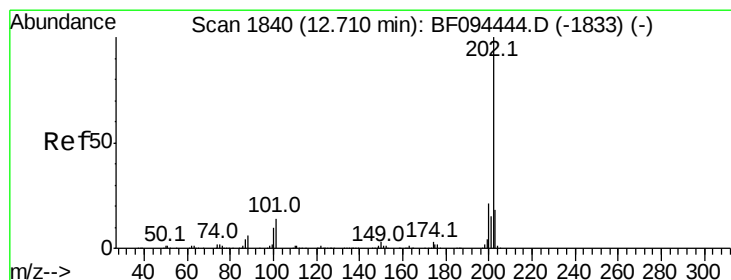
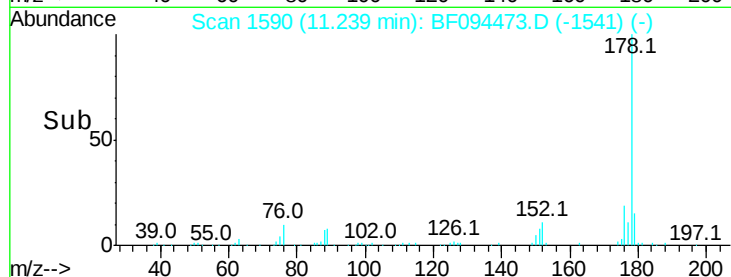
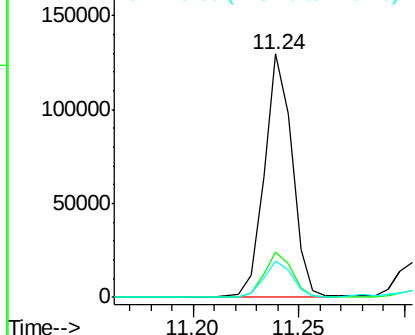
#70
Phenanthrene
Concen: 4.59 ng
RT: 11.24 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 119123
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.0 12.6 19.0

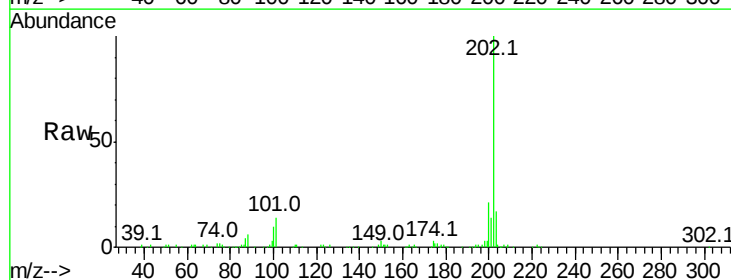


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

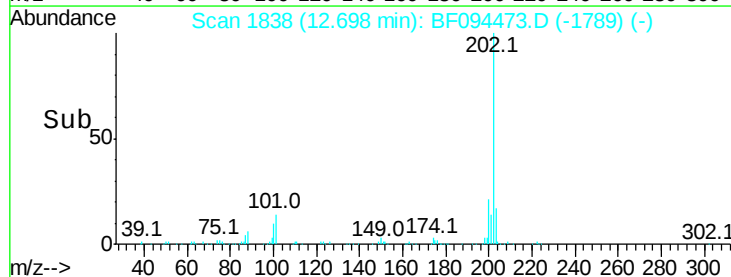
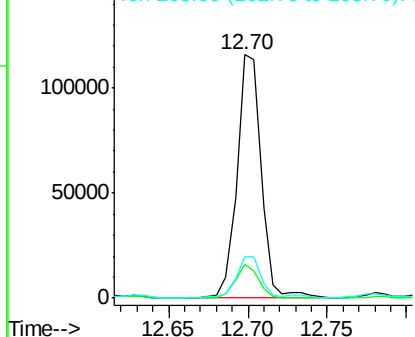


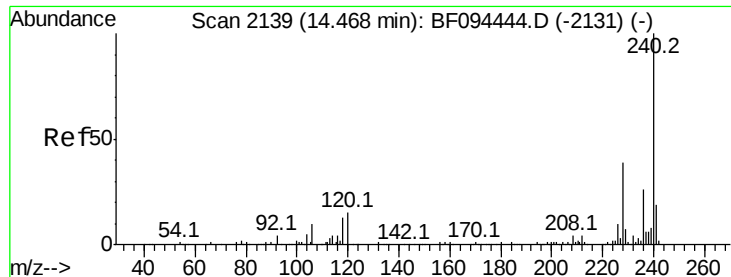
#74
Fluoranthene
Concen: 4.58 ng
RT: 12.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Tgt Ion:202 Resp: 123171
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.2
203 17.0 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# 2137

Delta R.T. -0.01 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

Instrument :

BNA_F

ClientSampleId :

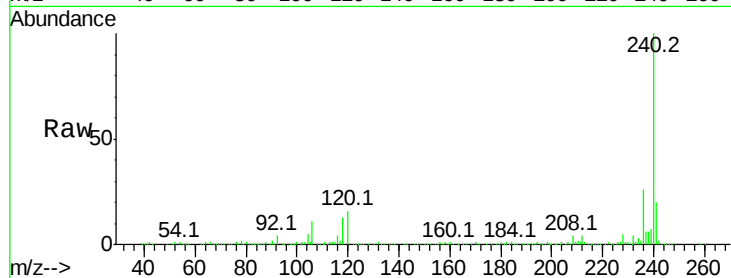
Tot Ion:240 Resp: 324252

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

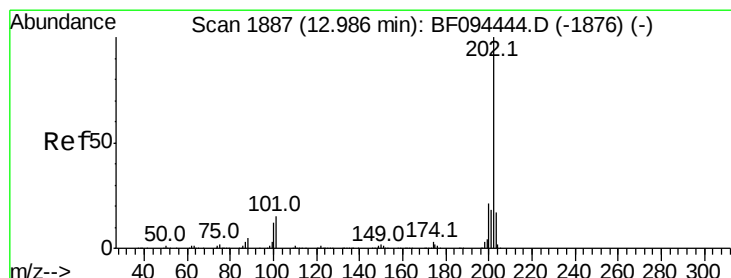
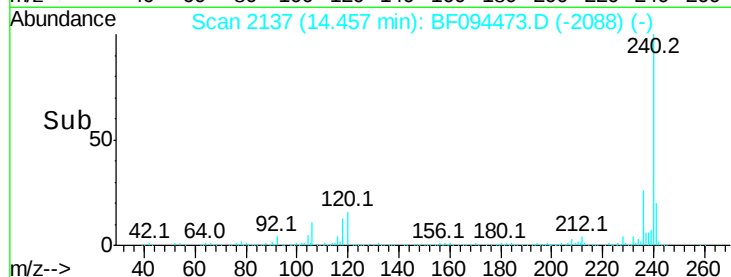
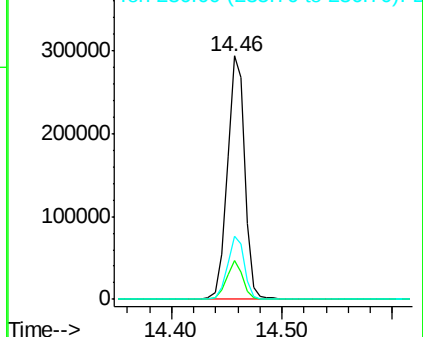
236 25.8 20.5 30.7



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: 4.21 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

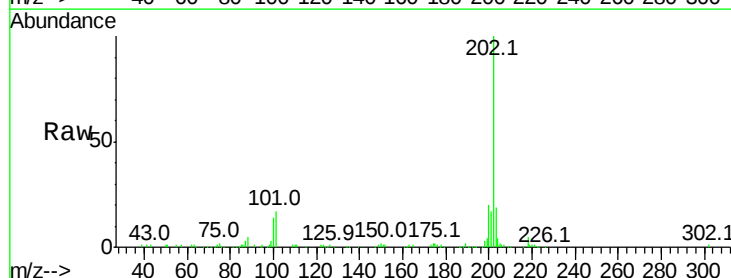
Tgt Ion:202 Resp: 95435

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

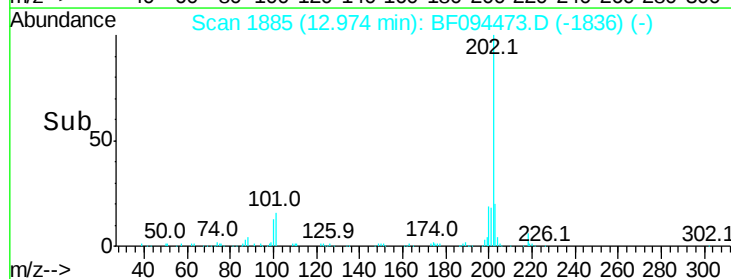
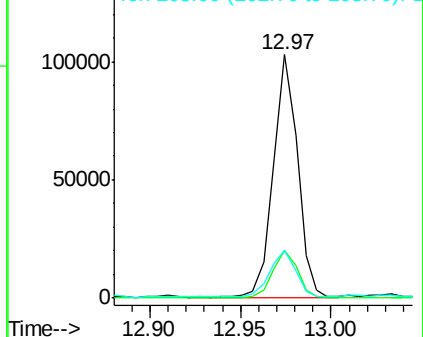
203 19.4 14.4 21.6

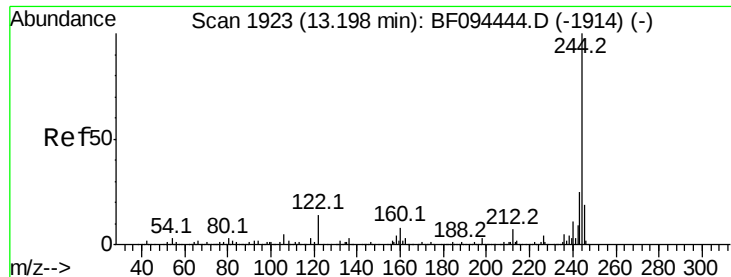


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.76 ng

RT: 13.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

Instrument :

BNA_F

ClientSampleId :

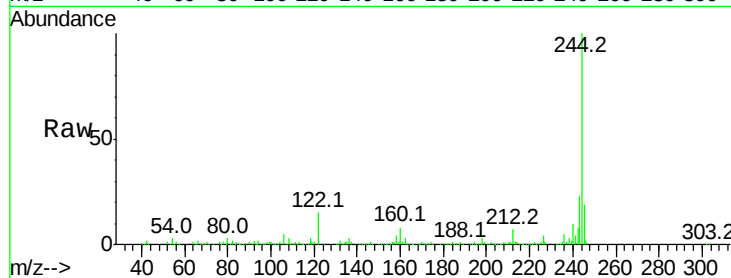
Tot Ion:244 Resp: 251863

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

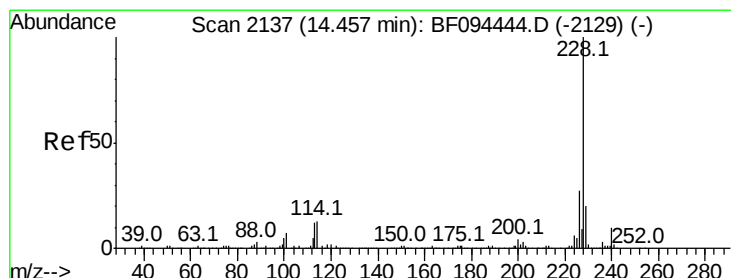
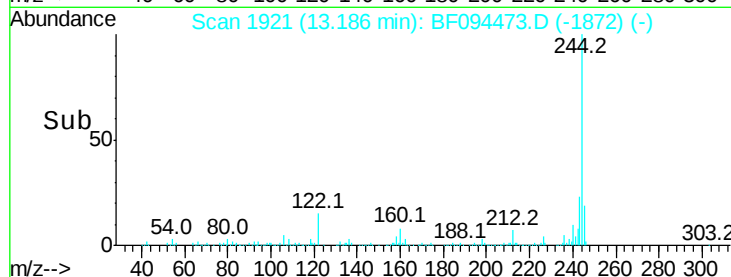
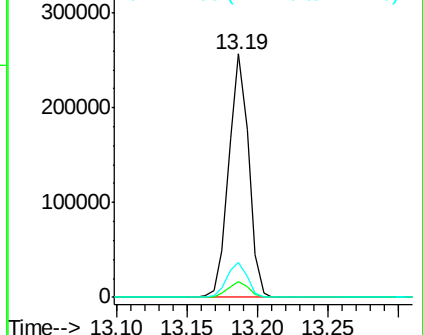
122 14.6 10.3 15.5



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: 2.12 ng

RT: 14.44 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

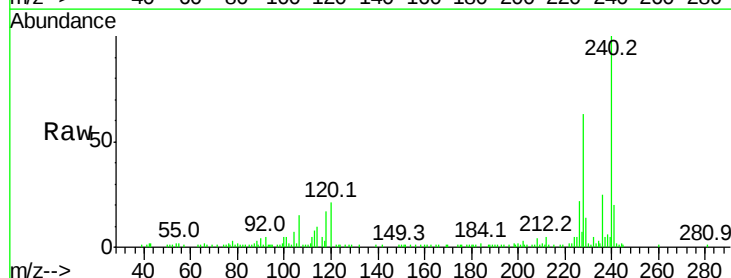
Tgt Ion:228 Resp: 39929

Ion Ratio Lower Upper

228 100

226 34.2 22.6 33.8#

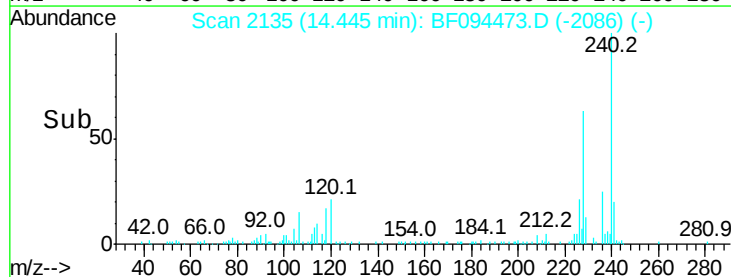
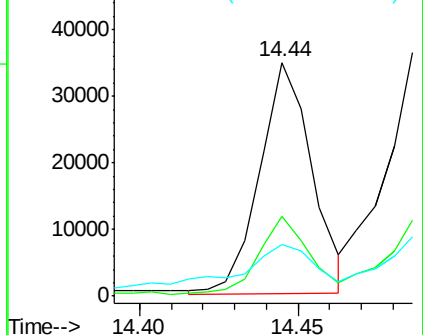
229 21.9 16.3 24.5

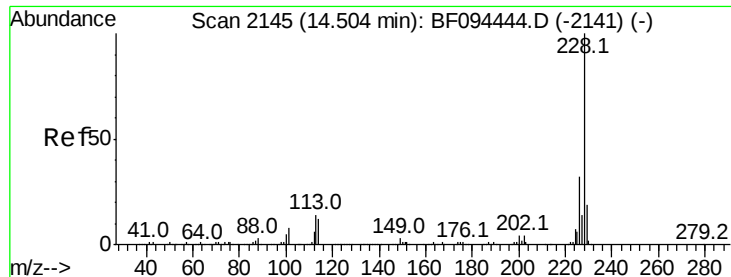


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

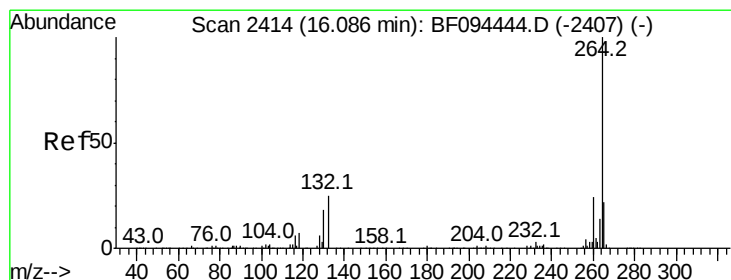
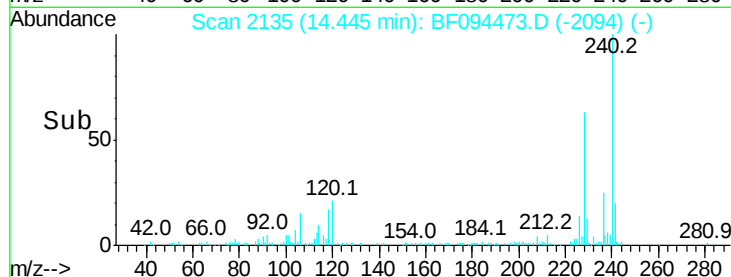
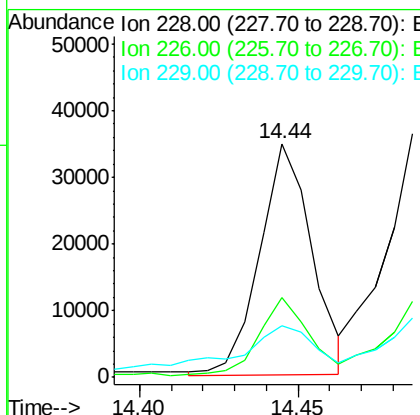
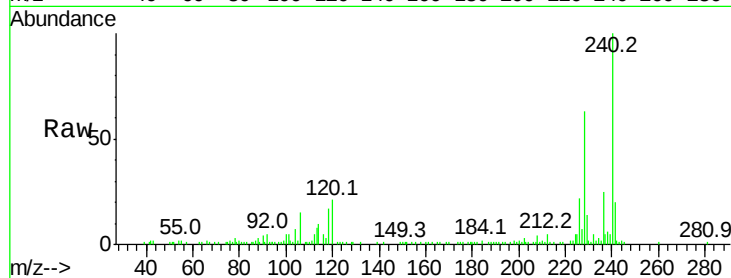




#82
Chrysene
Concen: 2.32 ng
RT: 14.44 min Scan# 2135
Delta R.T. -0.06 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

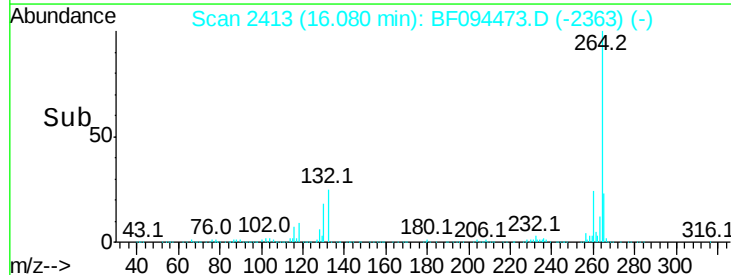
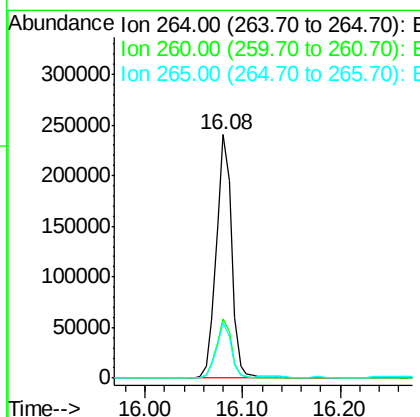
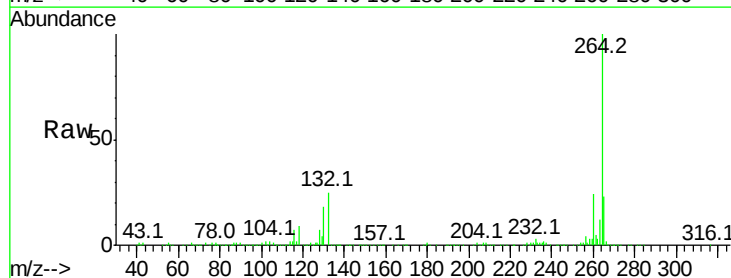
Instrument :
BNA_F
ClientSampled :

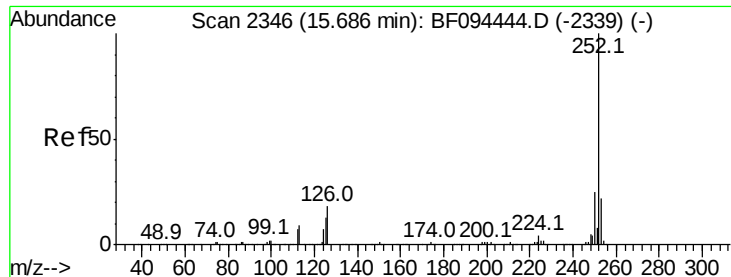
Tot Ion:228 Resp: 39929
Ion Ratio Lower Upper
228 100
226 34.2 24.9 37.3
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094473.D
Acq: 18 Apr 2017 2:11

Tgt Ion:264 Resp: 264888
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.48 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094473.D

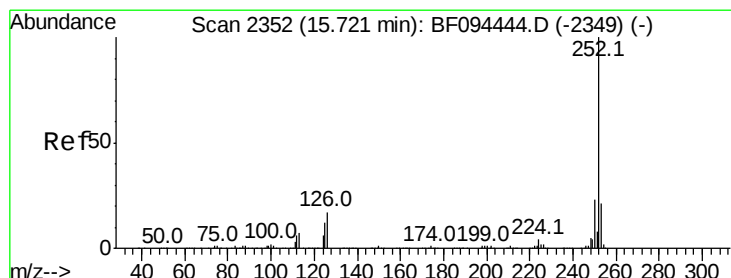
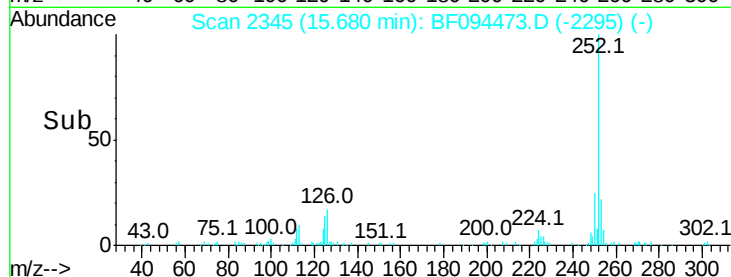
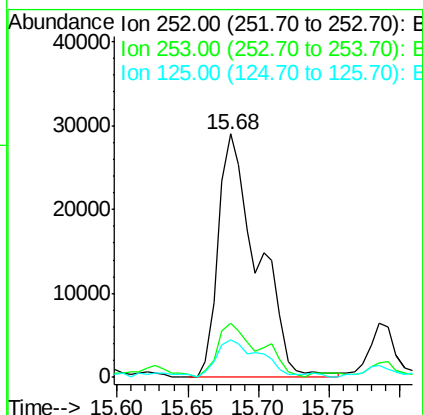
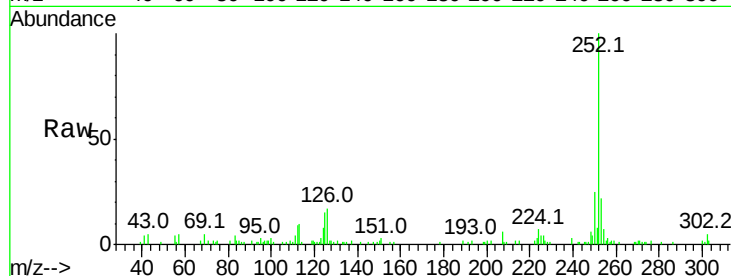
Acq: 18 Apr 2017 2:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	56451
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.1 27.1
125	15.3	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.68 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

Lab File: BF094473.D

Acq: 18 Apr 2017 2:11

Tgt Ion:252	Resp:	56451
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	15.3	13.1 19.7

