

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094569.D
 Acq On : 21 Apr 2017 18:19
 Operator : SJ/MA
 Sample : I2784-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 23:35:20 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

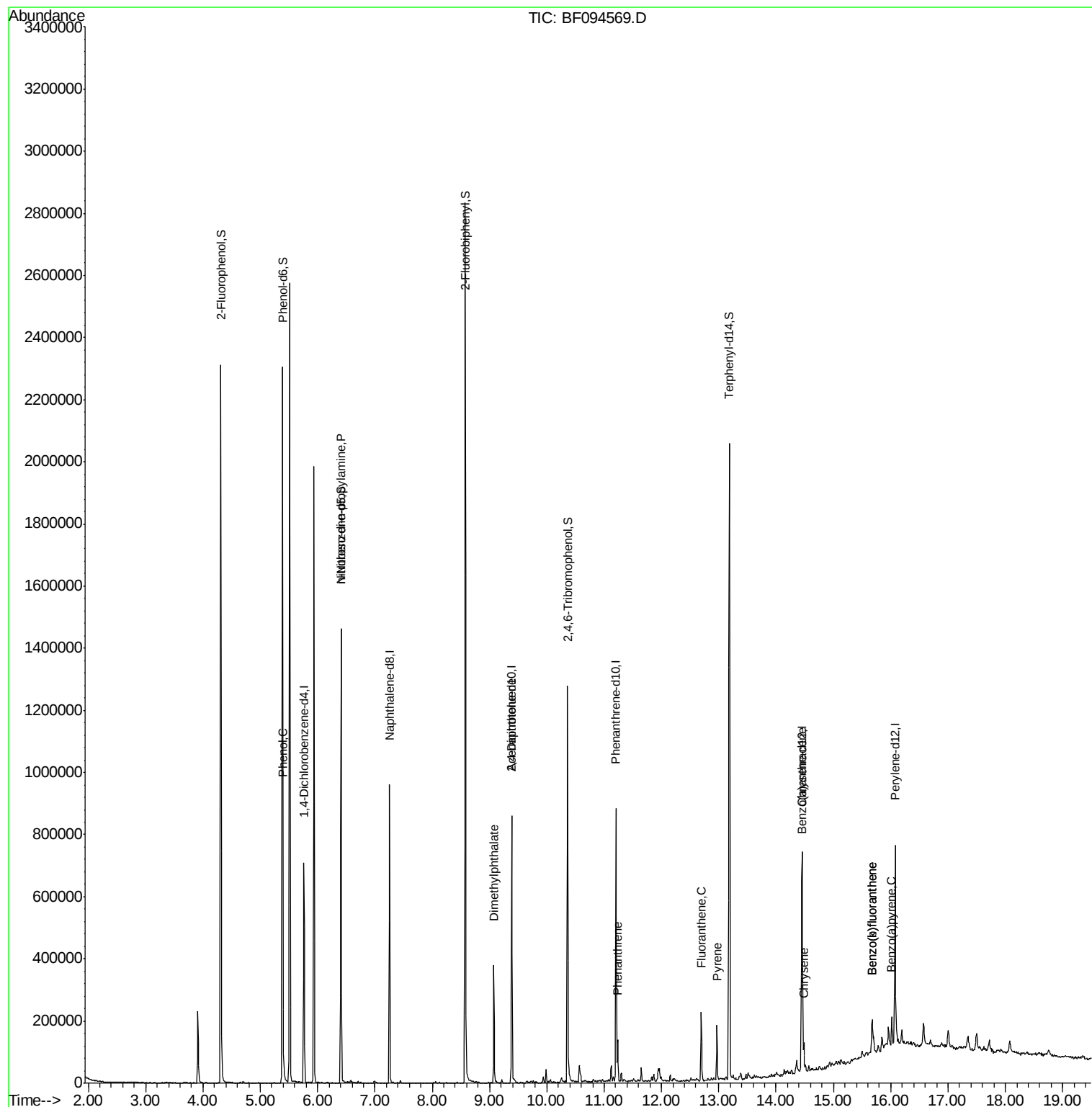
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	108410	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	435903	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	196523	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	329293	20.00	ng	-0.01
75) Chrysene-d12	14.45	240	273562	20.00	ng	-0.01
86) Perylene-d12	16.08	264	260159	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	711398	108.87	ng	0.00
7) Phenol-d6	5.39	99	873704	113.42	ng	0.00
23) Nitrobenzene-d5	6.41	82	535679	75.88	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	172727	112.37	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	988200	73.99	ng	0.00
78) Terphenyl-d14	13.18	244	749431	73.23	ng	-0.01
Target Compounds						Qvalue
10) Phenol	5.40	94	49526	5.23	ng	87
19) n-Nitroso-di-n-propylamine	6.41	70	68607	13.44	ng	# 76
49) Dimethylphthalate	9.08	163	162158	11.07	ng	100
56) 2,4-Dinitrotoluene	9.39	165	24677	6.12	ng	# 32
70) Phenanthrene	11.24	178	52609	2.84	ng	97
74) Fluoranthene	12.69	202	88336	4.60	ng	98
77) Pyrene	12.97	202	78703	4.12	ng	97
80) Benzo(a)anthracene	14.44	228	37343	2.35	ng	97
82) Chrysene	14.48	228	35748	2.46	ng	99
87) Benzo(b)fluoranthene	15.68	252	69105	4.34	ng	# 95
88) Benzo(k)fluoranthene	15.68	252	69105	4.59	ng	99
89) Benzo(a)pyrene	16.02	252	37291	2.52	ng	# 91

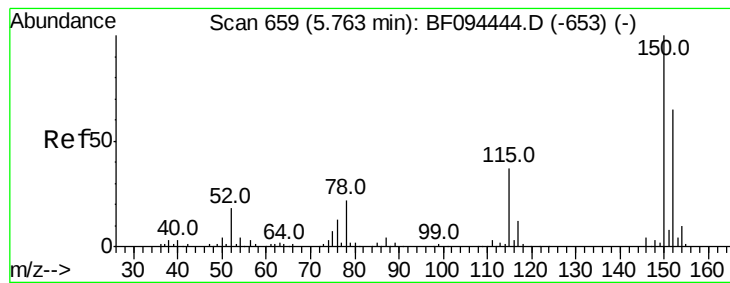
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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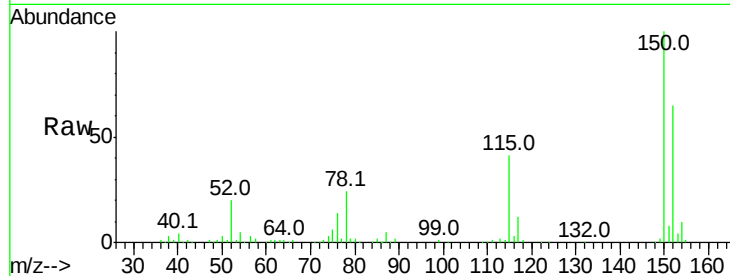




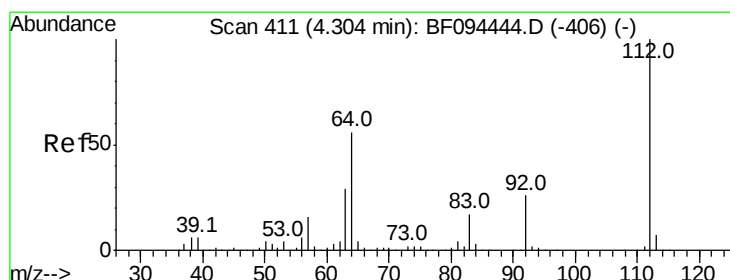
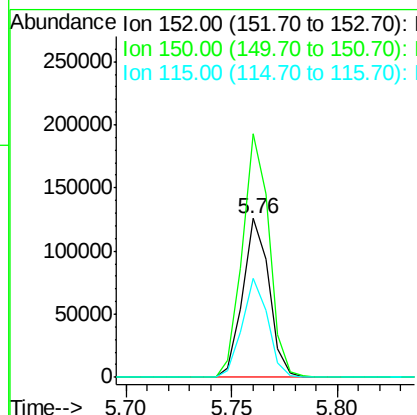
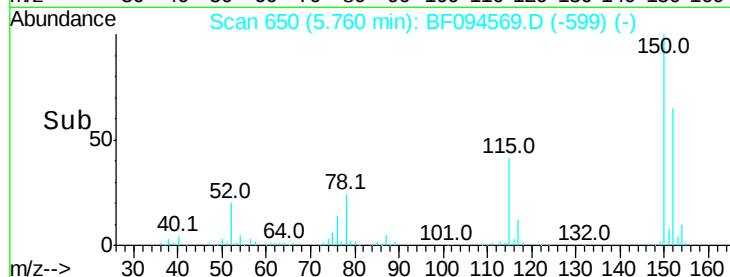
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 108410
 Ion Ratio Lower Upper
 152 100
 150 153.5 126.2 189.2
 115 62.6 52.2 78.2

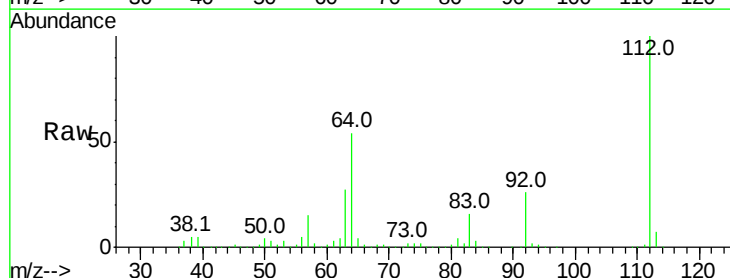


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

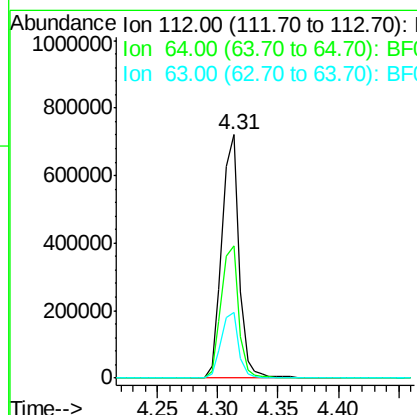
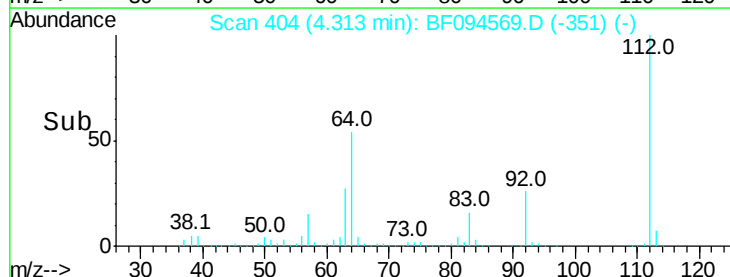


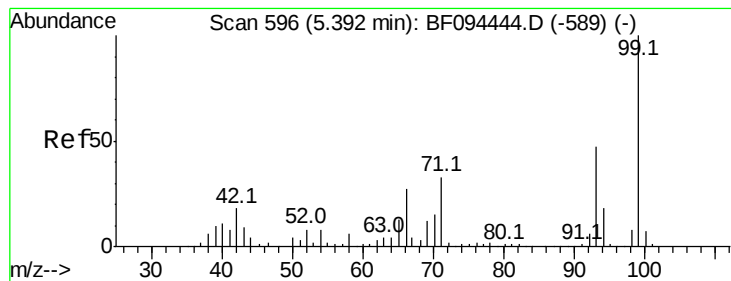
#5
 2-Fluorophenol
 Concen: 108.87 ng
 RT: 4.31 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Tgt Ion:112 Resp: 711398
 Ion Ratio Lower Upper
 112 100
 64 54.4 46.0 69.0
 63 27.2 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: 113.42 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Instrument :

BNA_F

ClientSampled :

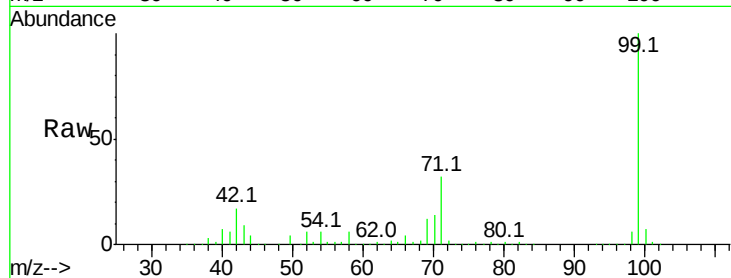
Tot Ion: 99 Resp: 873704

Ion Ratio Lower Upper

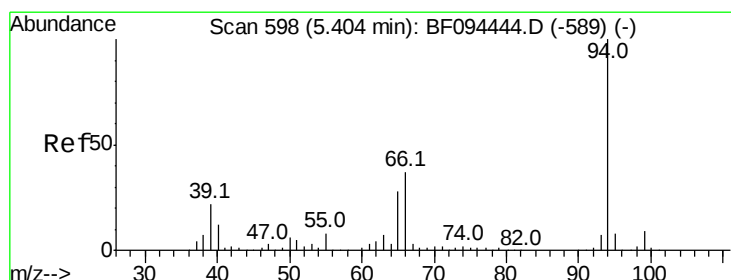
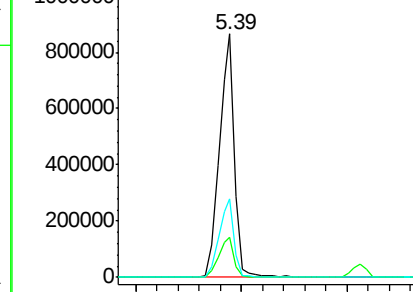
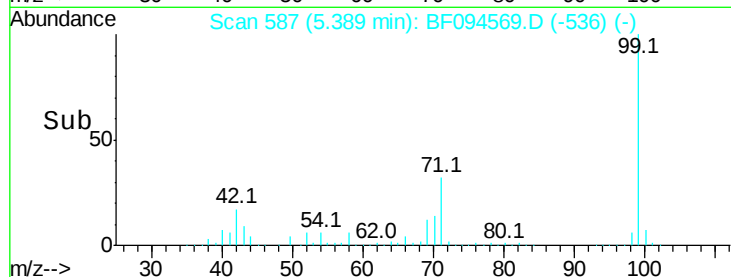
99 100

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



#10

Phenol

Concen: 5.23 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

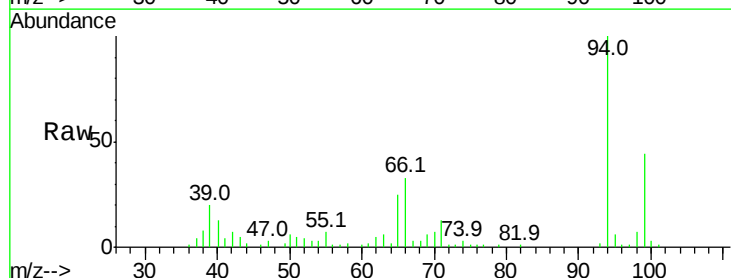
Tgt Ion: 94 Resp: 49526

Ion Ratio Lower Upper

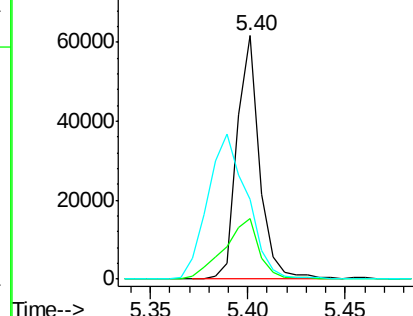
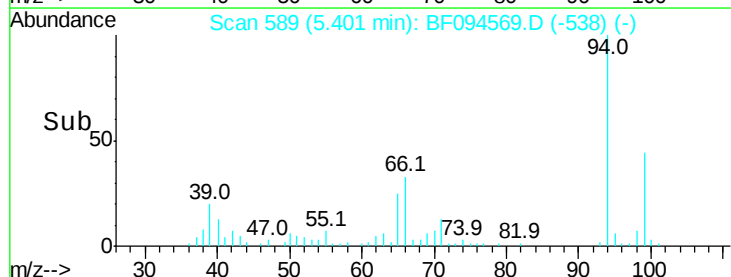
94 100

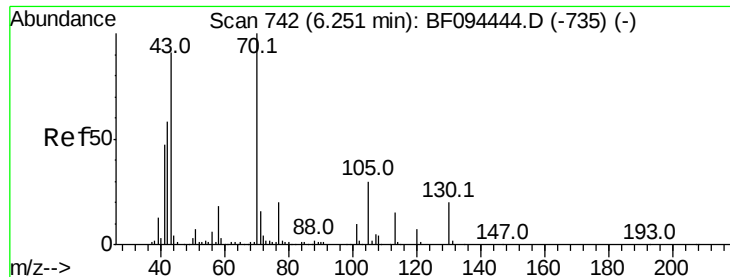
65 25.0 9.9 49.9

66 32.9 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

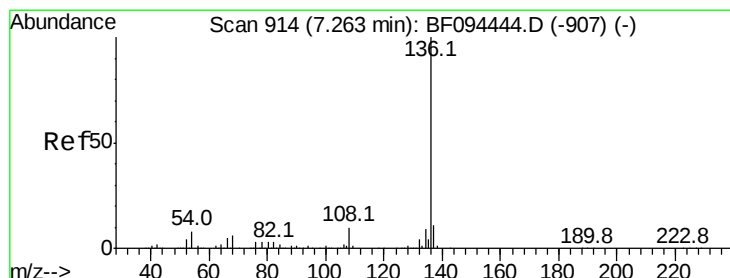
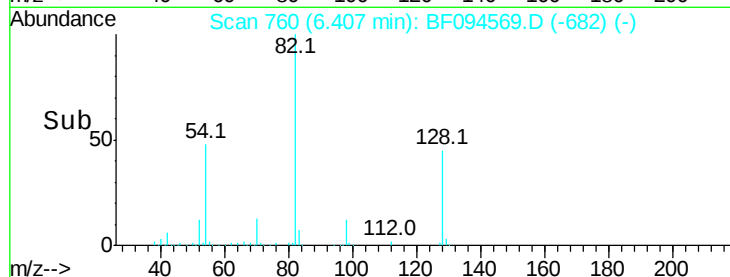
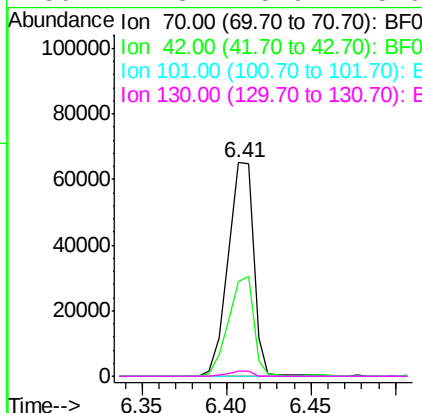
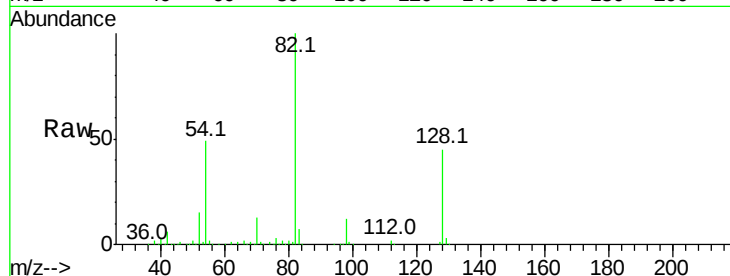




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.44 ng
 RT: 6.41 min Scan# 760
 Delta R.T. 0.16 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

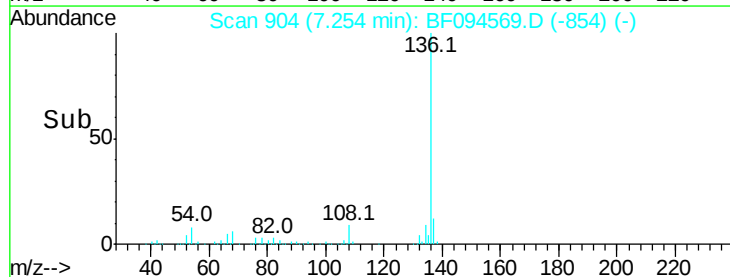
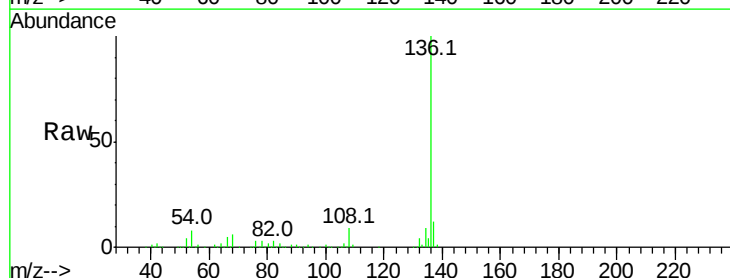
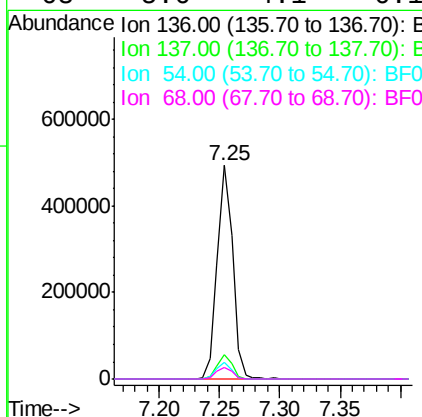
Instrument :
 BNA_F
 ClientSampleId :

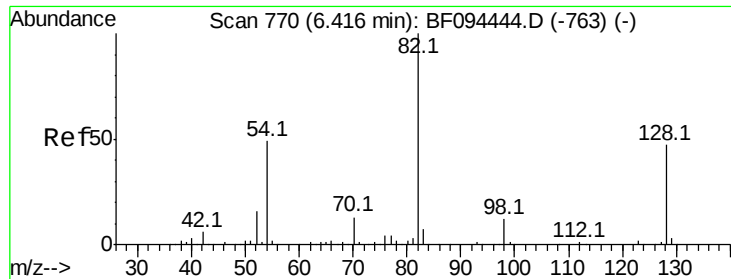
Tot Ion: 70 Resp: 68607
 Ion Ratio Lower Upper
 70 100
 42 44.3 47.2 70.8#
 101 0.0 7.2 10.8#
 130 2.3 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.25 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Tgt Ion: 136 Resp: 435903
 Ion Ratio Lower Upper
 136 100
 137 11.5 8.5 12.7
 54 7.5 4.9 7.3#
 68 5.6 4.1 6.1

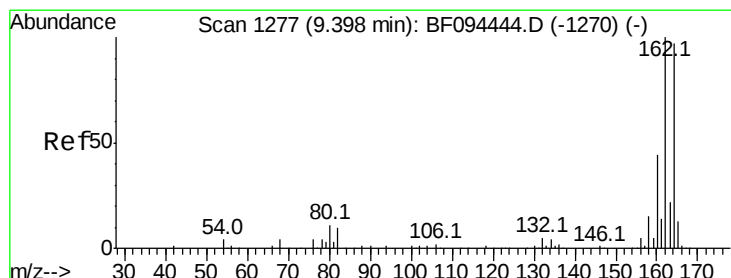
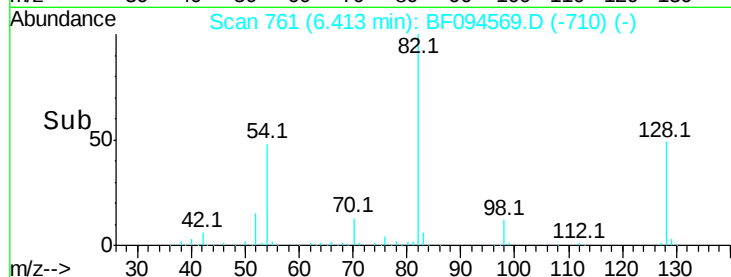
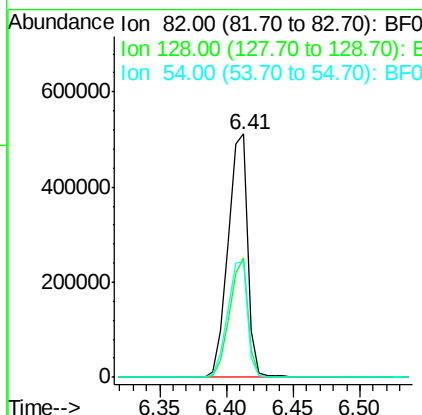
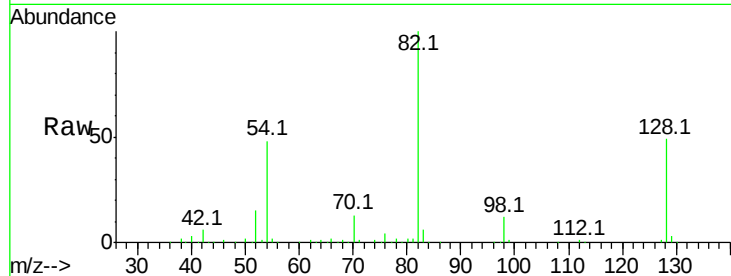




#23
 Nitrobenzene-d5
 Concen: 75.88 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

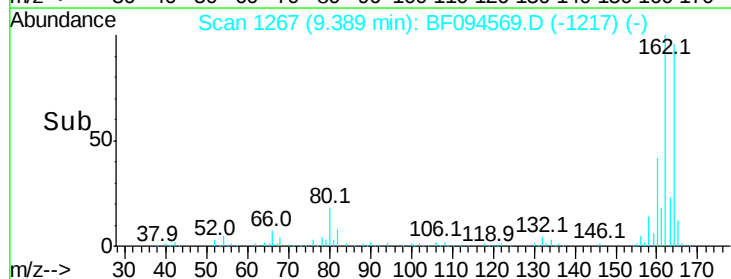
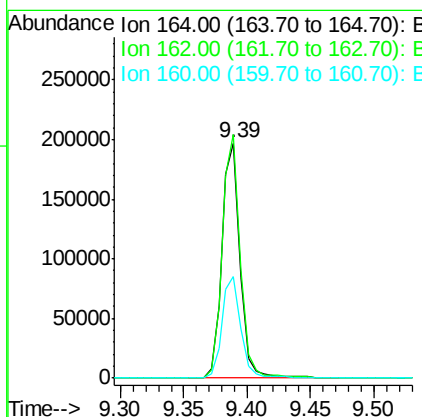
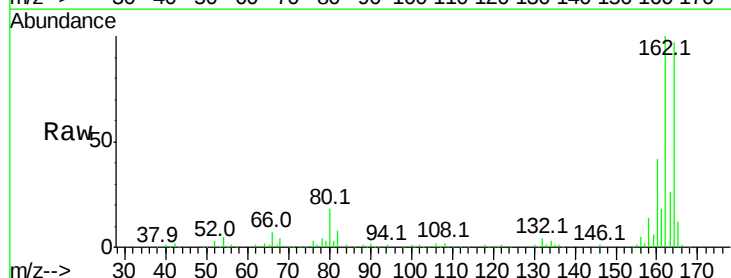
Instrument :
 BNA_F
 ClientSampleId :

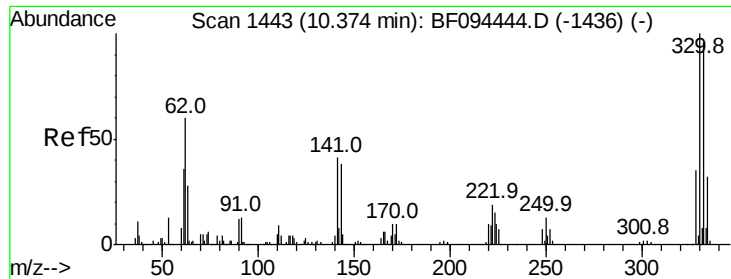
Tot Ion	82	Resp	535679
Ion	Ratio	Lower	Upper
82	100		
128	48.8	34.0	51.0
54	47.6	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Tgt Ion	164	Resp	196523
Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	43.1	36.2	54.2

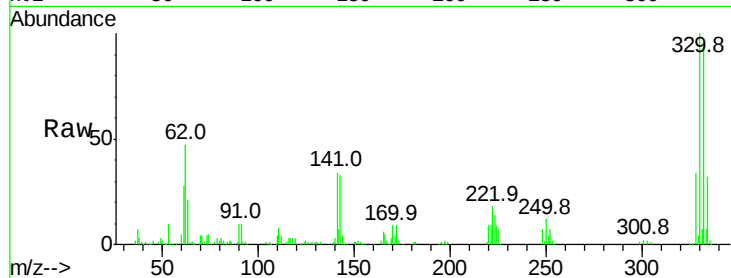




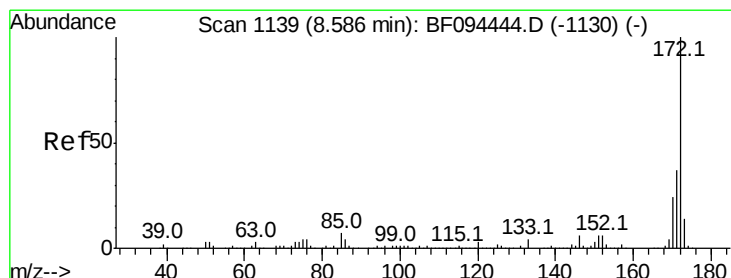
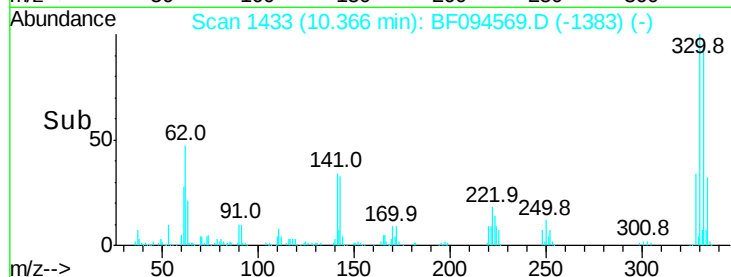
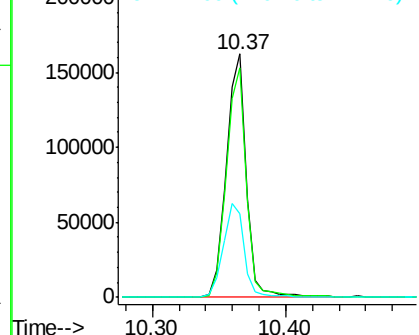
#41
 2,4,6-Tribromophenol
 Concen: 112.37 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	40.3	31.4	47.2

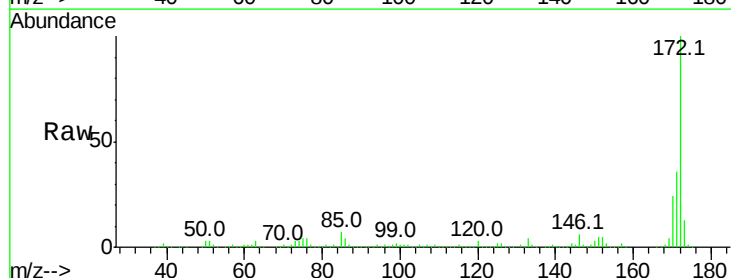


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

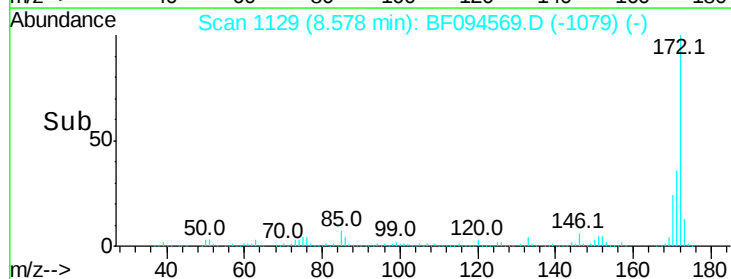
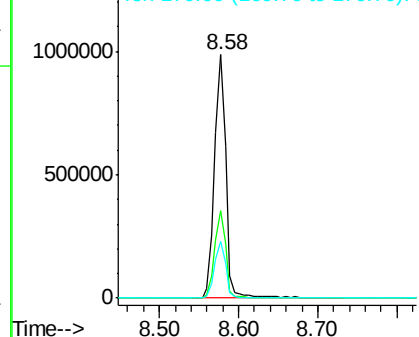


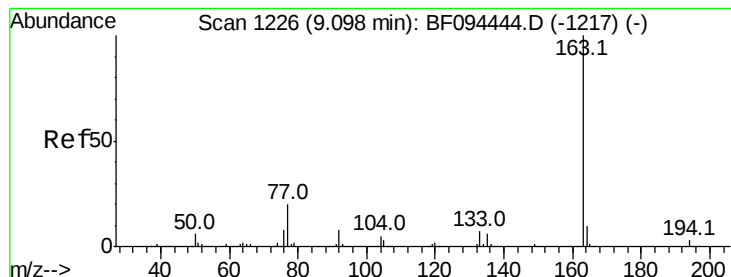
#44
 2-Fluorobiphenyl
 Concen: 73.99 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.5	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: 11.07 ng

RT: 9.08 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Instrument :

BNA_F

ClientSampleId :

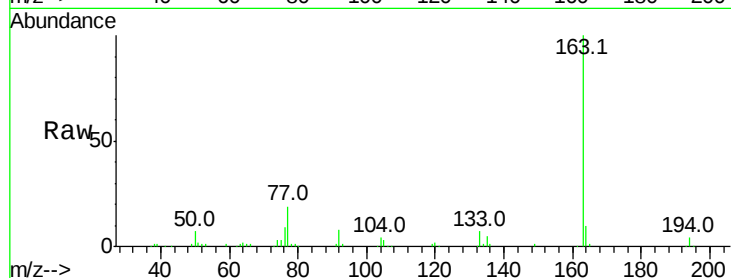
Tot Ion:163 Resp: 162158

Ion Ratio Lower Upper

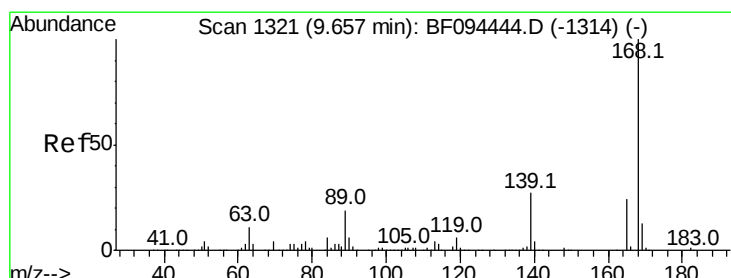
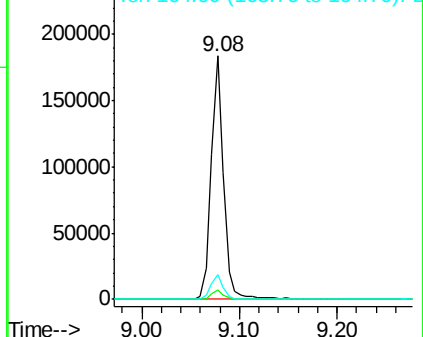
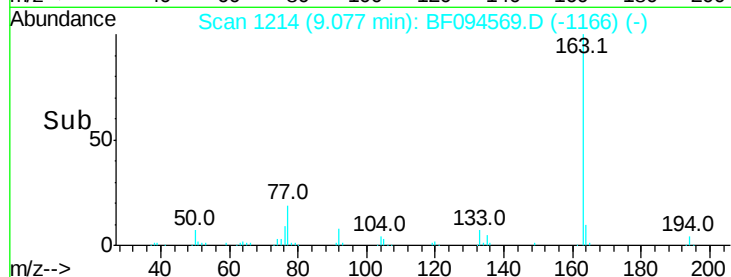
163 100

194 3.6 2.6 4.0

164 10.4 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: 6.12 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.27 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Tgt Ion:165 Resp: 24677

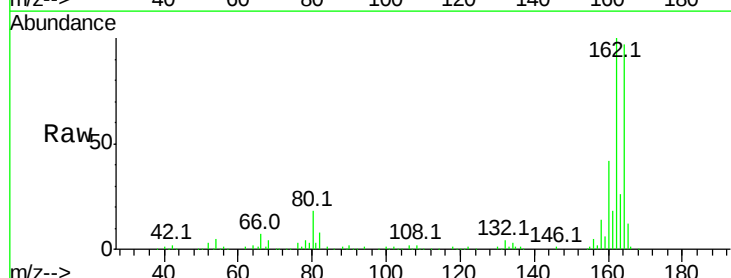
Ion Ratio Lower Upper

165 100

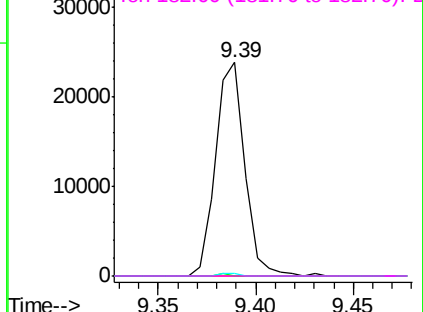
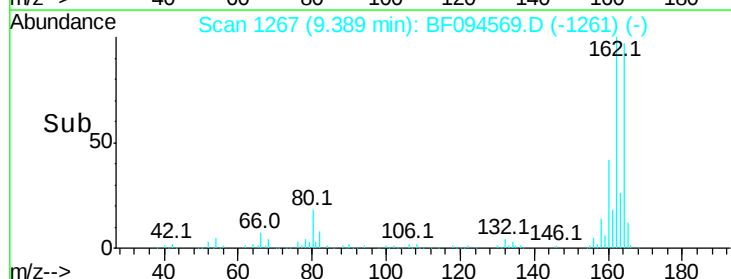
63 0.0 25.4 38.0#

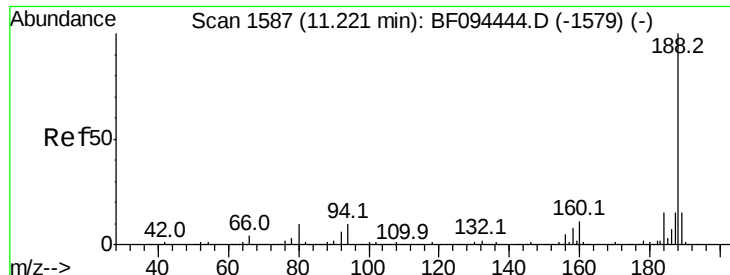
89 1.3 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

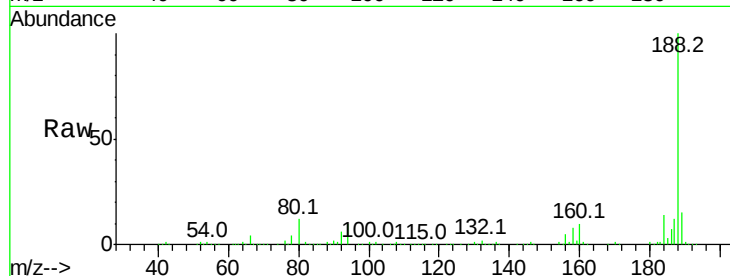




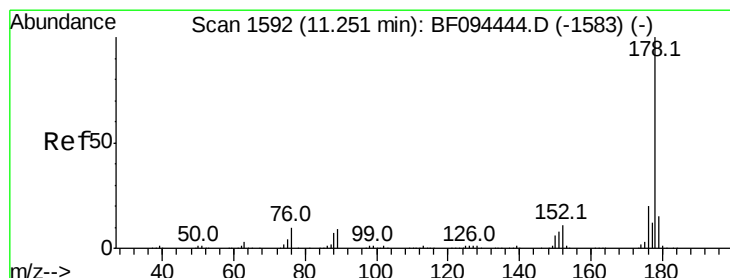
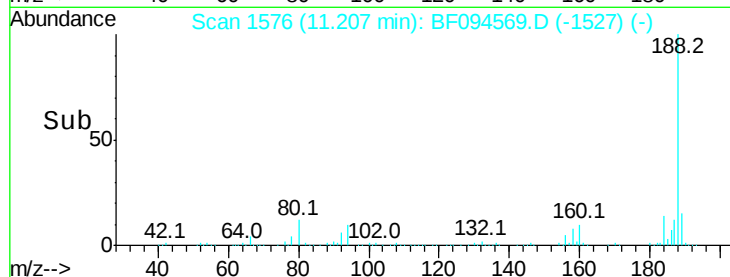
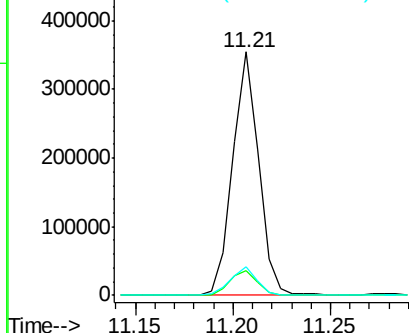
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 329293
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.5 10.2 15.2

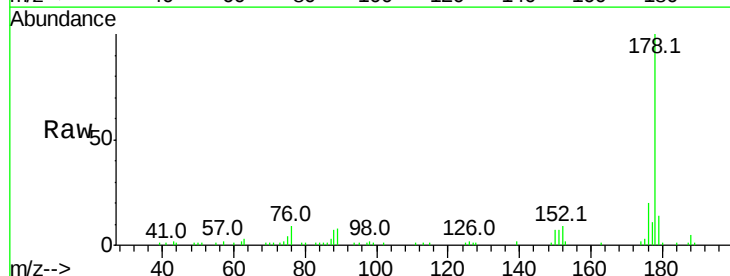


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

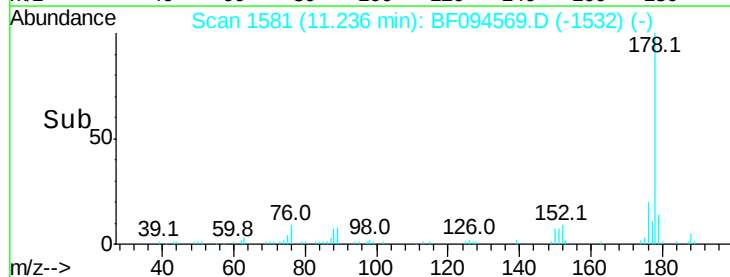
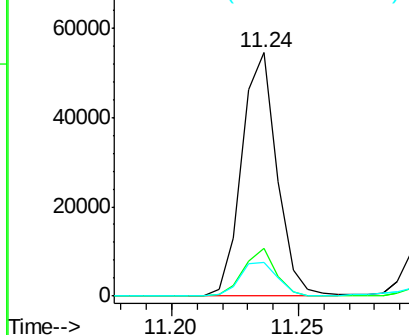


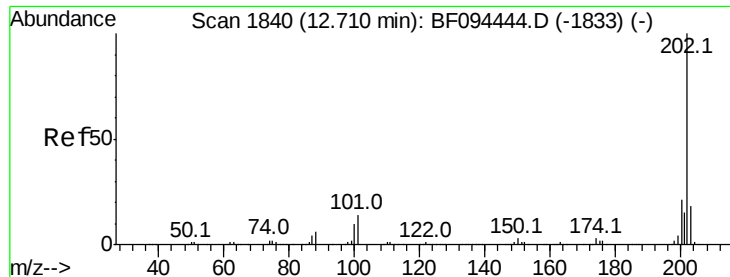
#70
 Phenanthrene
 Concen: 2.84 ng
 RT: 11.24 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF094569.D
 Acq: 21 Apr 2017 18:19

Tgt Ion:178 Resp: 52609
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 13.8 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: 4.60 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Instrument :

BNA_F

ClientSampleId :

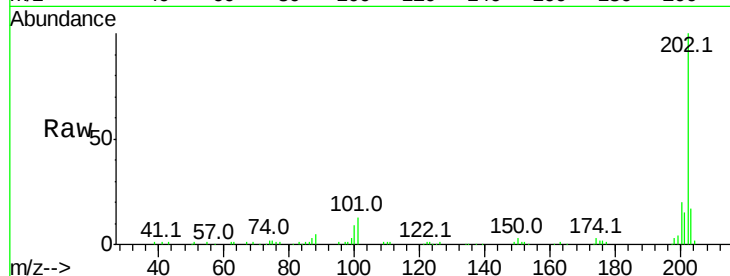
Tot Ion:202 Resp: 88336

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

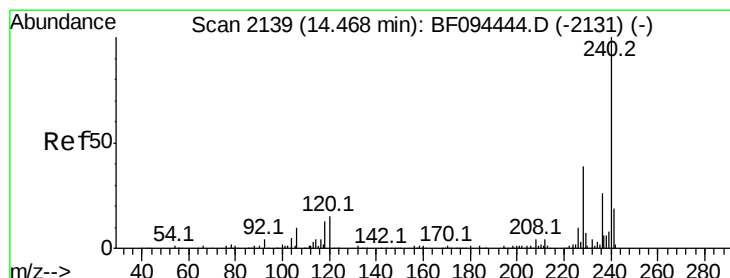
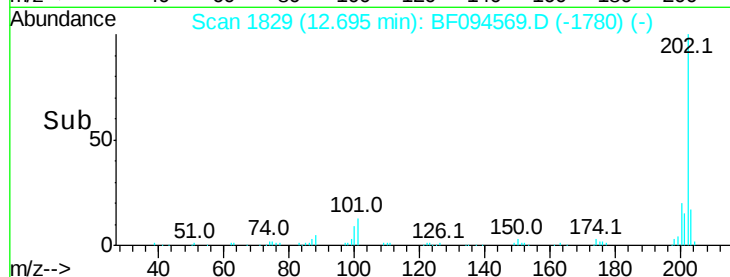
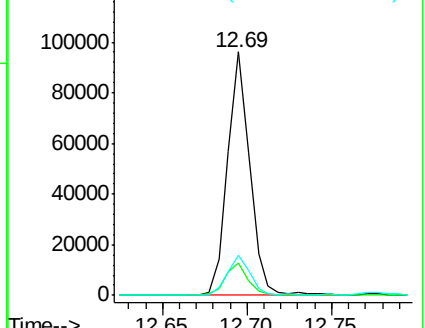
203 16.6 0.0 38.1



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: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

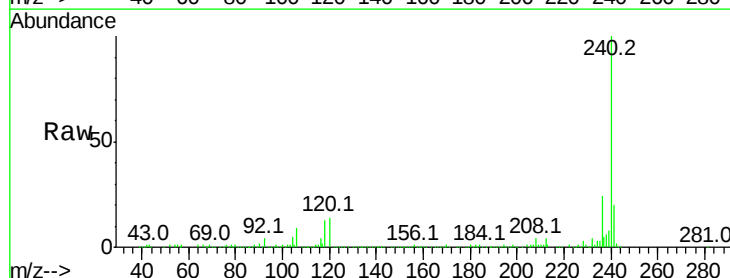
Tgt Ion:240 Resp: 273562

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

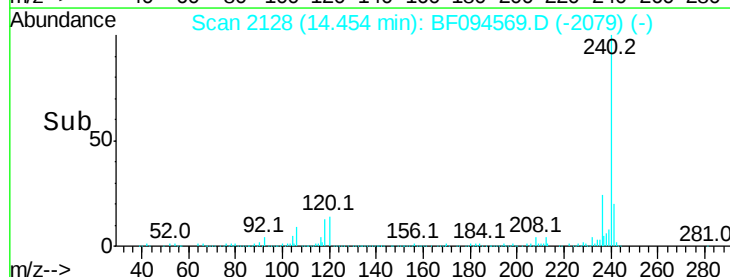
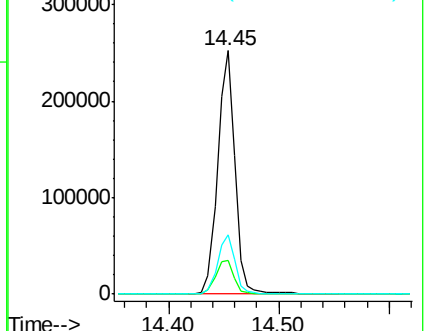
236 24.4 20.5 30.7

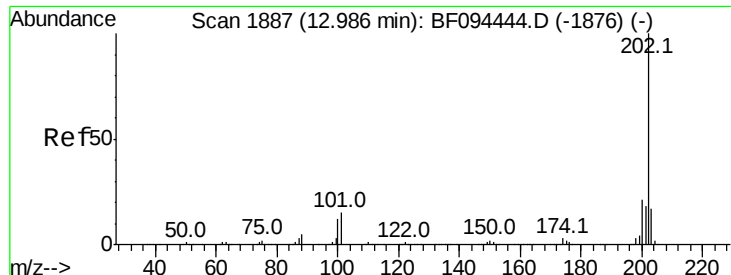


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.12 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Instrument :

BNA_F

ClientSampleId :

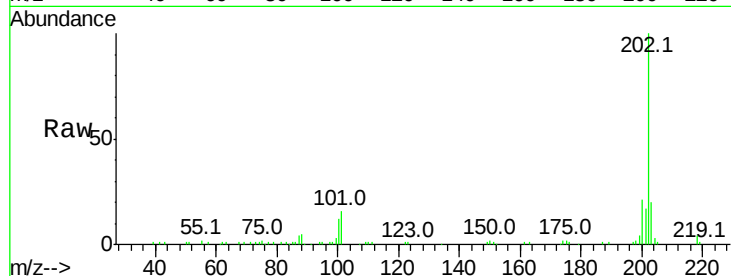
Tot Ion:202 Resp: 78703

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

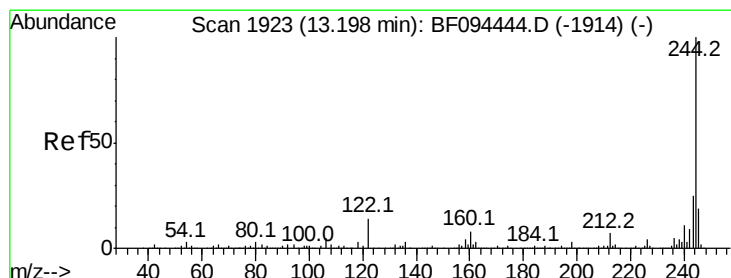
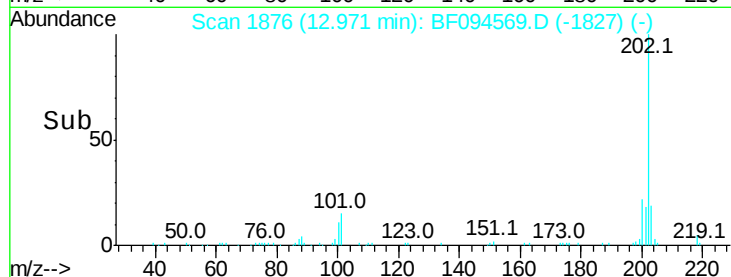
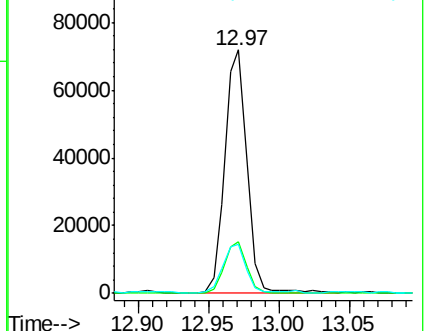
203 19.9 14.4 21.6



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: 73.23 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

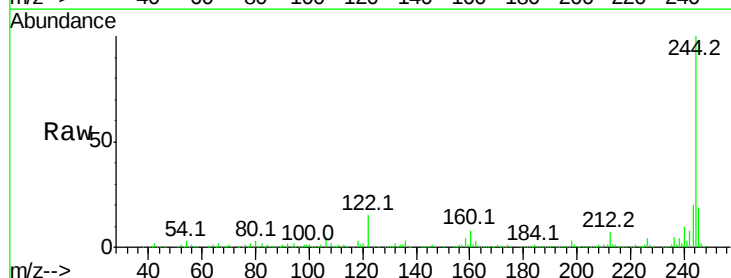
Tgt Ion:244 Resp: 749431

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

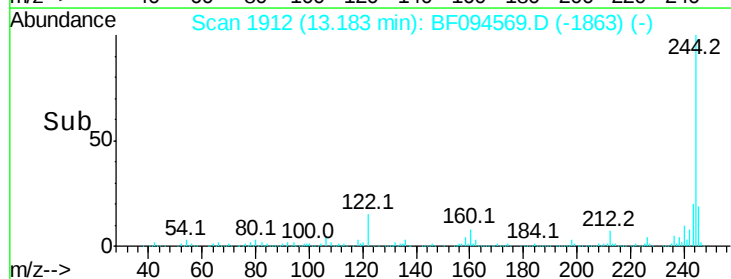
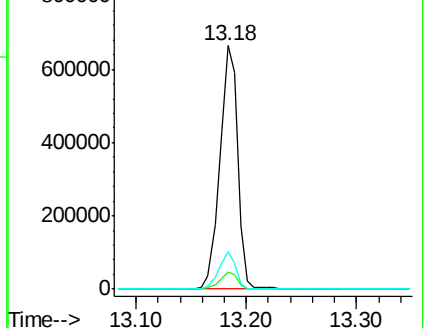
122 15.2 10.3 15.5

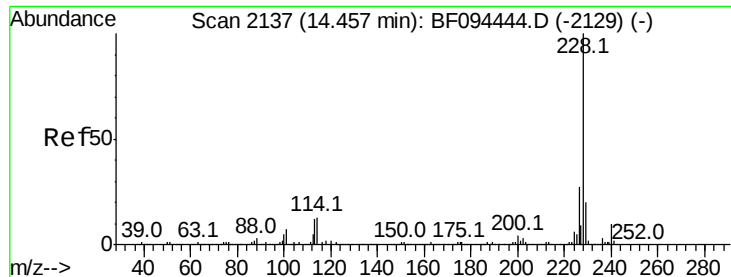


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

Instrument :

BNA_F

ClientSampled :

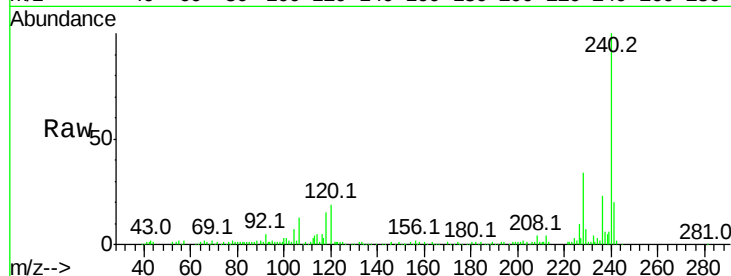
Tot Ion:228 Resp: 37343

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

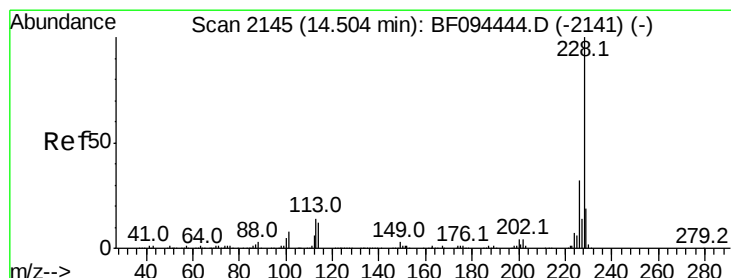
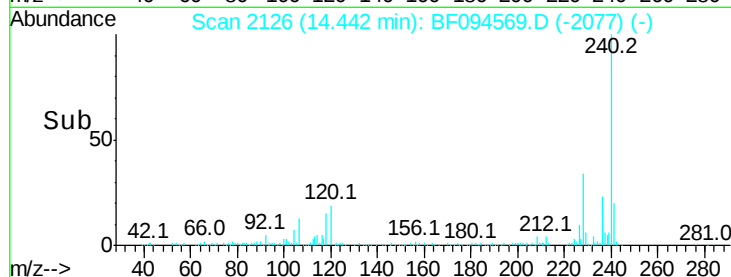
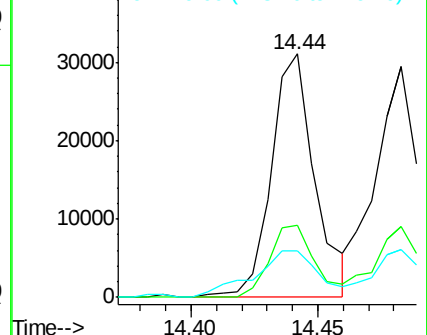
229 19.1 16.3 24.5



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: 2.46 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094569.D

Acq: 21 Apr 2017 18:19

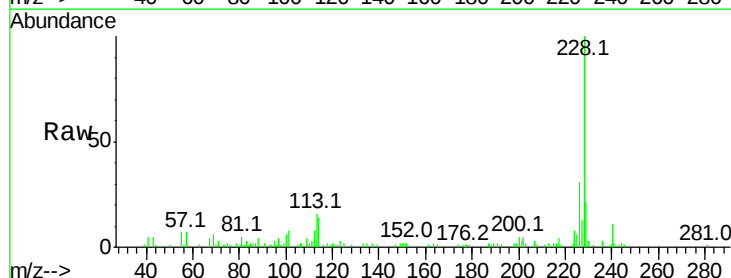
Tgt Ion:228 Resp: 35748

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

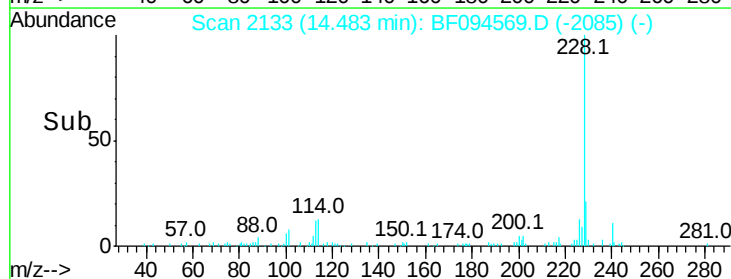
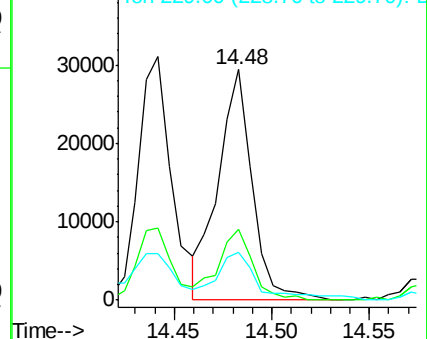
229 20.8 15.8 23.6

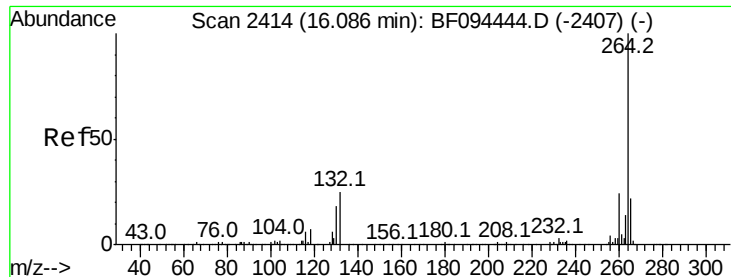


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

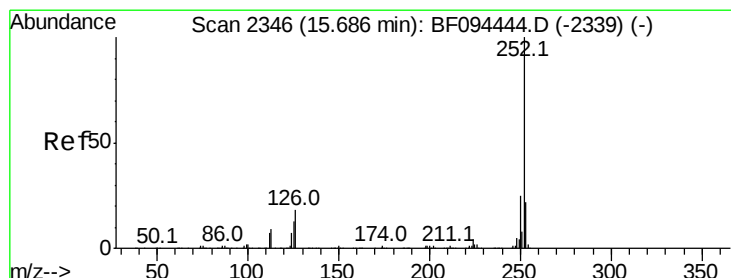
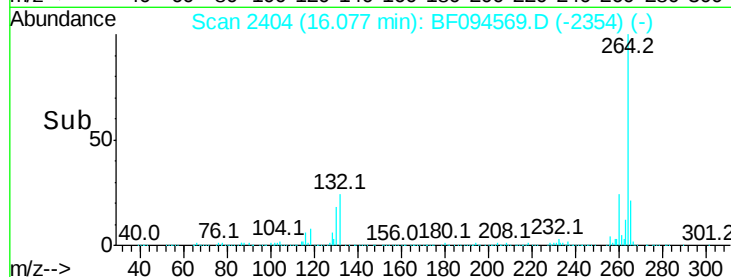
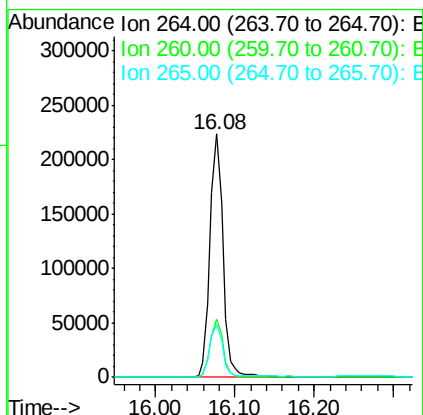
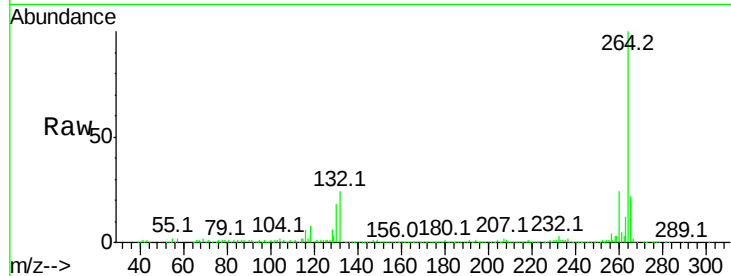




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094569.D
Acq: 21 Apr 2017 18:19

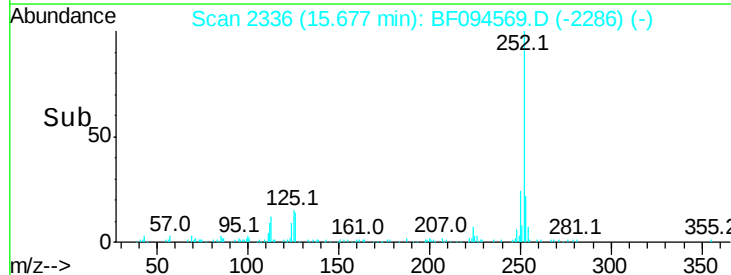
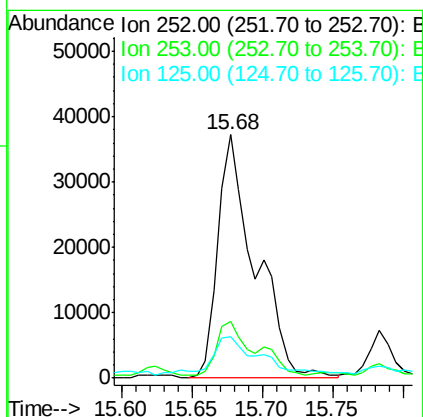
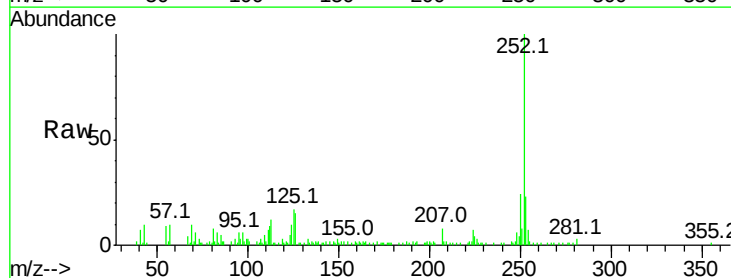
Instrument :
BNA_F
ClientSampleId :

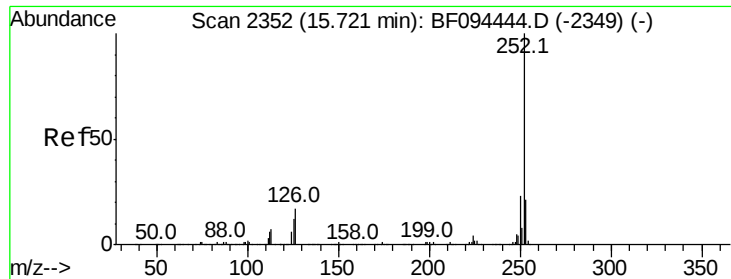
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 4.34 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094569.D
Acq: 21 Apr 2017 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	16.9	9.8	14.8

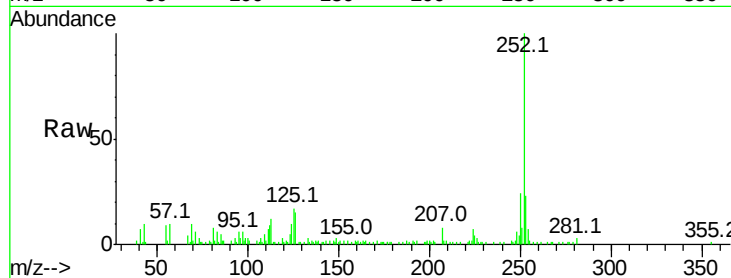




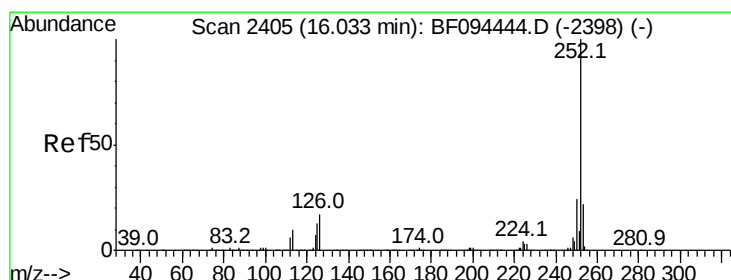
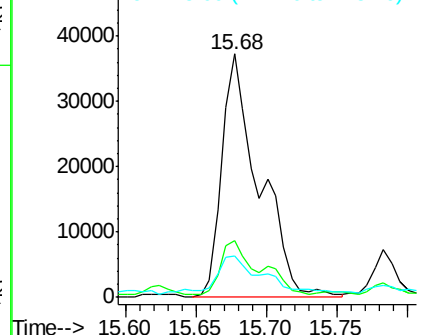
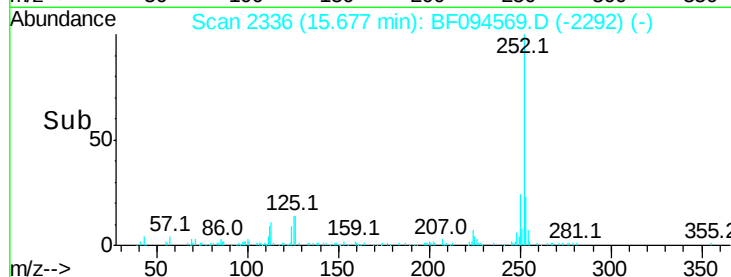
#88
Benzo(k)fluoranthene
Concen: 4.59 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.04 min
Lab File: BF094569.D
Acq: 21 Apr 2017 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	16.9	13.1	19.7

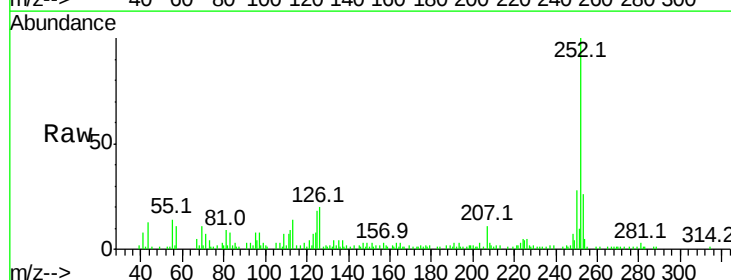


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094569.D
Acq: 21 Apr 2017 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	18.0	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

