

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094696.D
 Acq On : 28 Apr 2017 20:58
 Operator : SJ/MA
 Sample : I2873-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 23:07:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

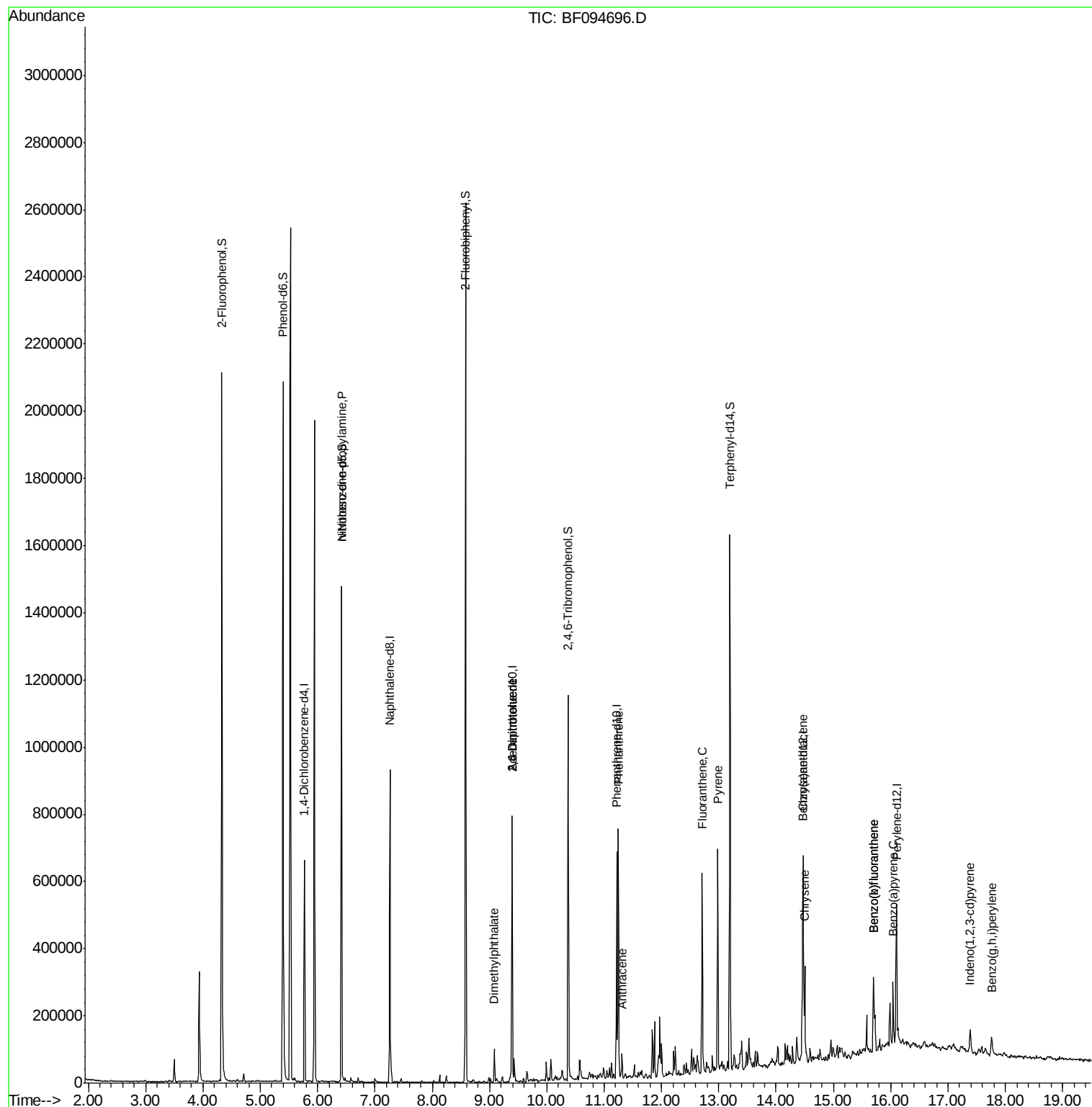
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110133	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	422447	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	169432	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	260639	20.00	ng	0.00
75) Chrysene-d12	14.47	240	207426	20.00	ng	0.00
86) Perylene-d12	16.10	264	163758	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	699473	105.37	ng	0.03
7) Phenol-d6	5.40	99	849716	108.58	ng	0.00
23) Nitrobenzene-d5	6.42	82	486973	71.18	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	135201	102.02	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	861600	74.82	ng	0.00
78) Terphenyl-d14	13.20	244	548374	70.66	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.42	70	64682	12.47	ng	# 75
49) Dimethylphthalate	9.08	163	44647	3.54	ng	# 99
50) 2,6-Dinitrotoluene	9.40	165	21935	7.74	ng	# 35
56) 2,4-Dinitrotoluene	9.40	165	21935	6.31	ng	# 34
70) Phenanthrene	11.25	178	299682	20.42	ng	98
71) Anthracene	11.31	178	32827	2.16	ng	93
74) Fluoranthene	12.71	202	277651	18.25	ng	98
77) Pyrene	12.98	202	286056	19.74	ng	97
80) Benzo(a)anthracene	14.46	228	105801	8.78	ng	98
82) Chrysene	14.50	228	113874	10.34	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	36533	3.48	ng	98
87) Benzo(b)fluoranthene	15.70	252	138984	13.87	ng	# 96
88) Benzo(k)fluoranthene	15.70	252	138984	14.66	ng	99
89) Benzo(a)pyrene	16.04	252	73753	7.91	ng	96
91) Benzo(a,h,i)perylene	17.76	276	39568	5.02	ng	95

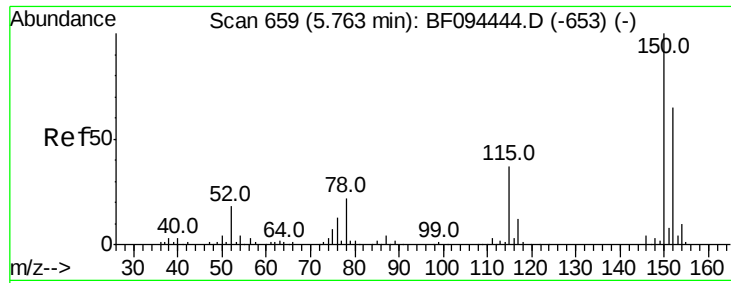
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Apr 28 23:07:05 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



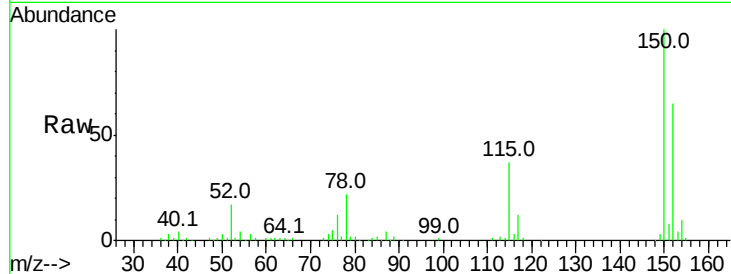


#1

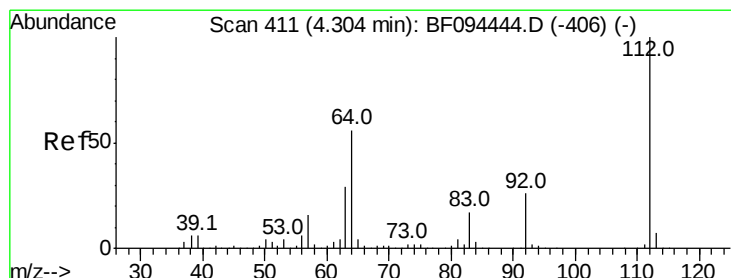
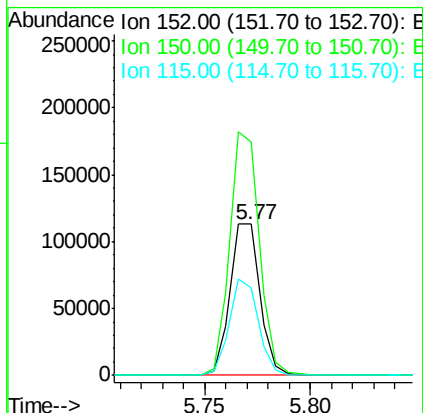
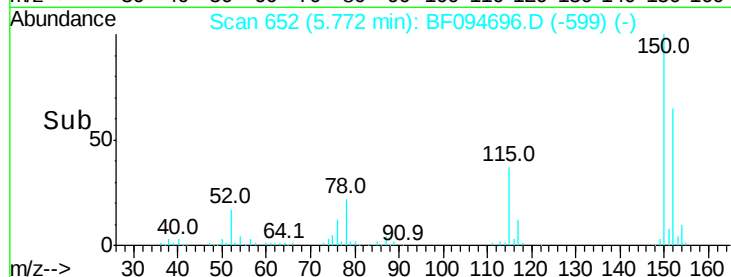
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110133
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 58.0 52.2 78.2



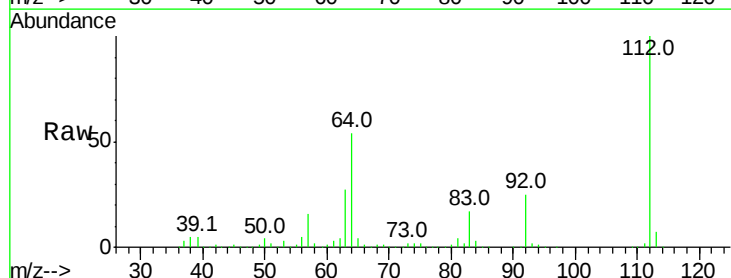
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



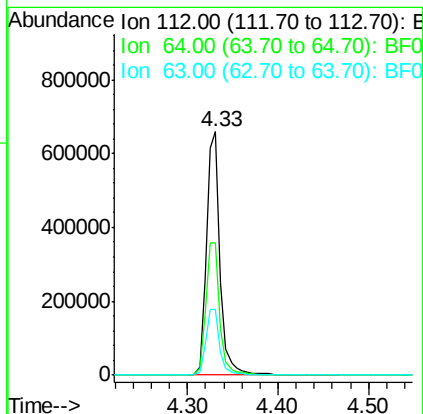
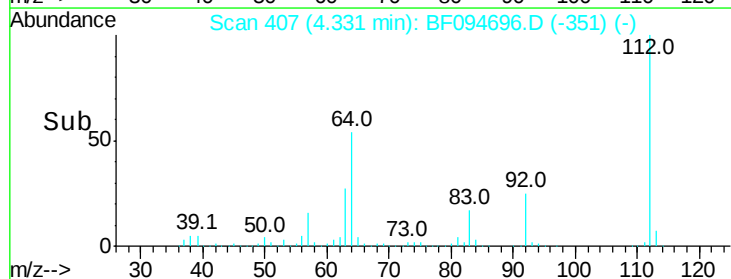
#5

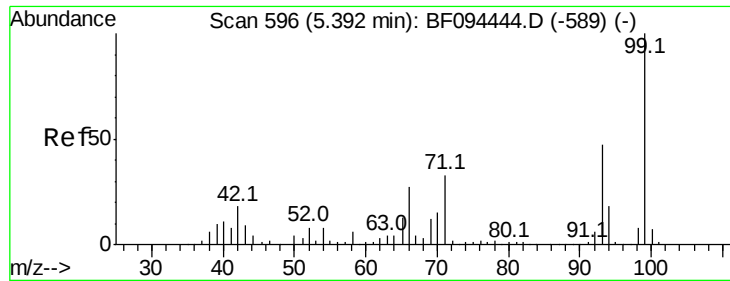
2-Fluorophenol
Concen: 105.37 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion:112 Resp: 699473
Ion Ratio Lower Upper
112 100
64 54.4 46.0 69.0
63 27.1 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: 108.58 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

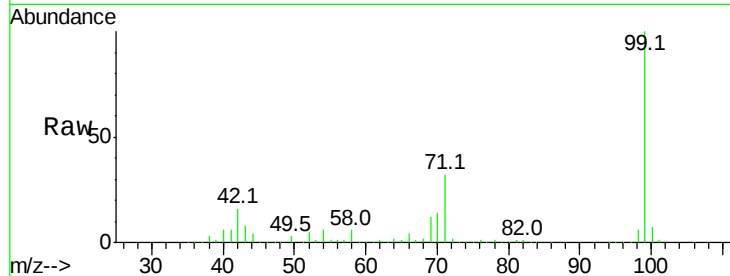
Tot Ion: 99 Resp: 849716

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

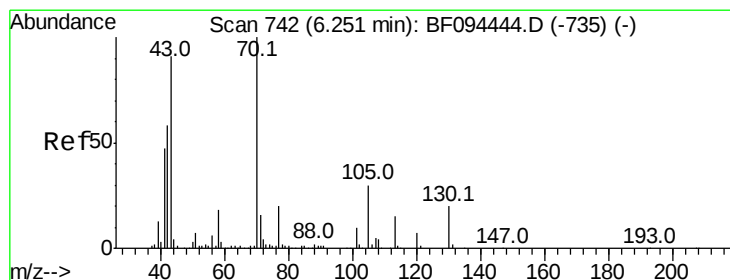
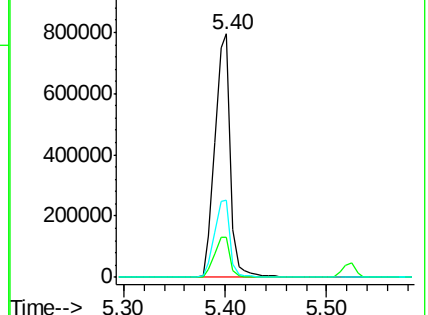
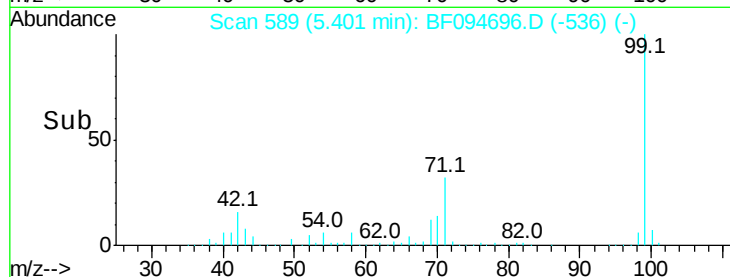
71 31.9 24.5 36.7



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: 12.47 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Tgt Ion: 70 Resp: 64682

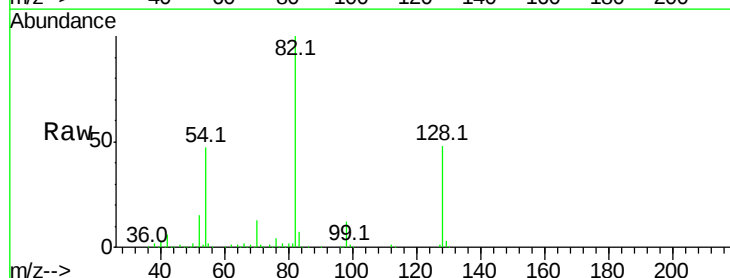
Ion Ratio Lower Upper

70 100

42 43.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

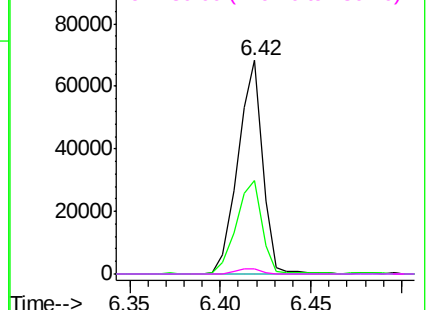
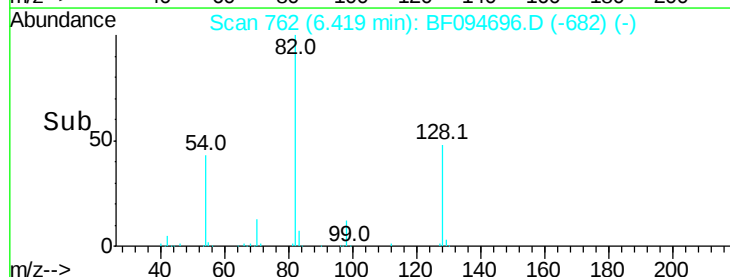


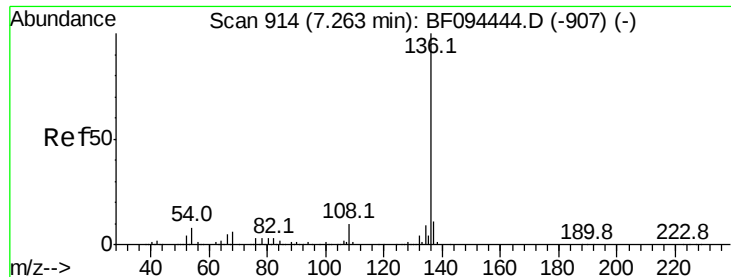
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 422447

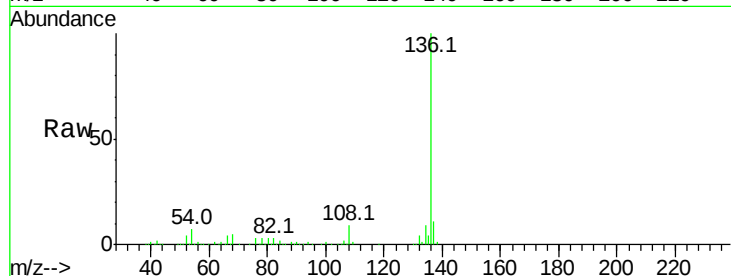
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

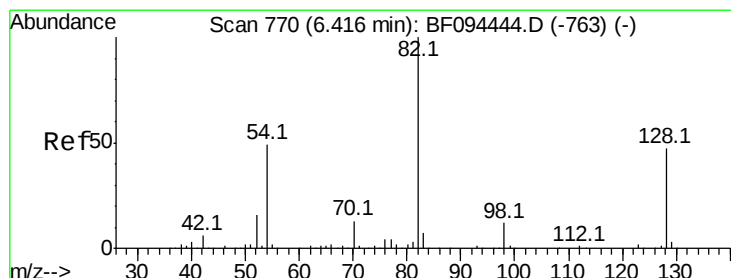
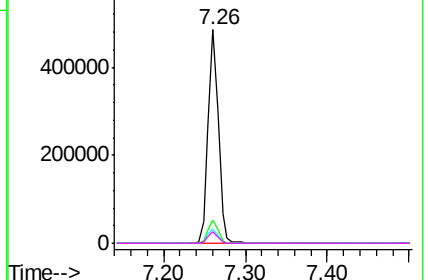
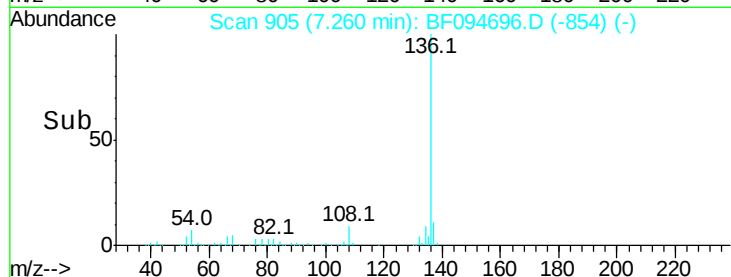


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 71.18 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

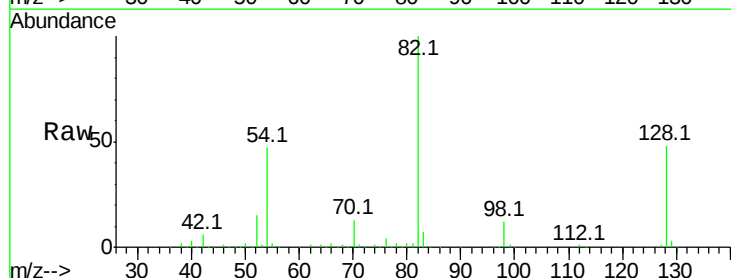
Tgt Ion: 82 Resp: 486973

Ion Ratio Lower Upper

82 100

128 47.9 34.0 51.0

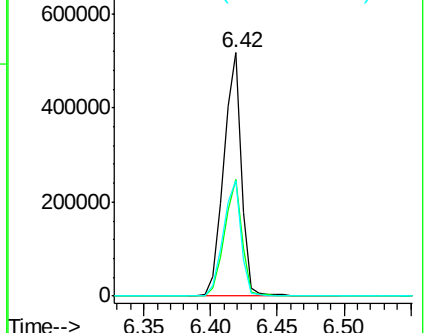
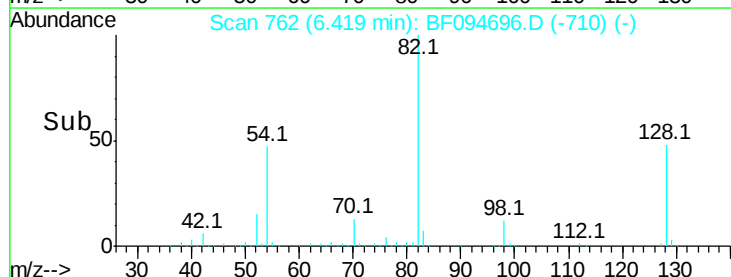
54 47.3 42.2 63.2

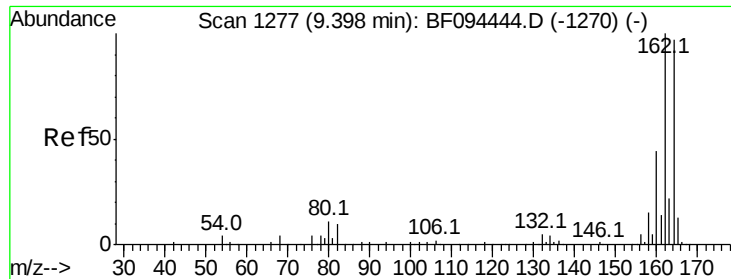


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

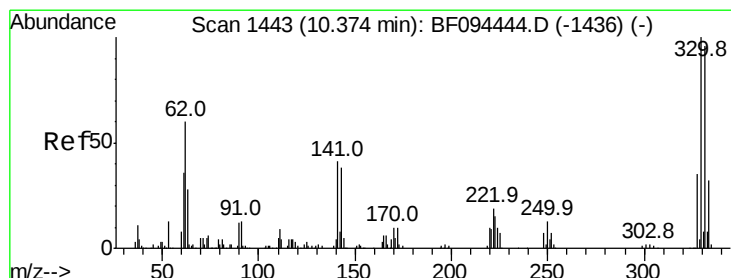
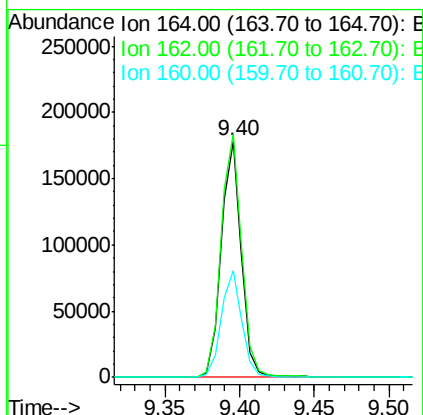
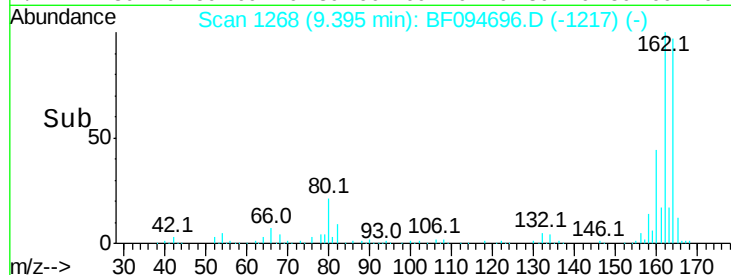
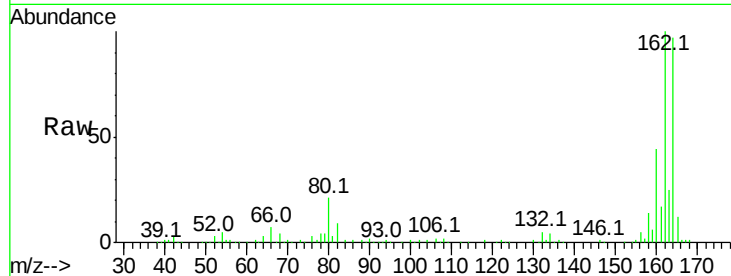




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

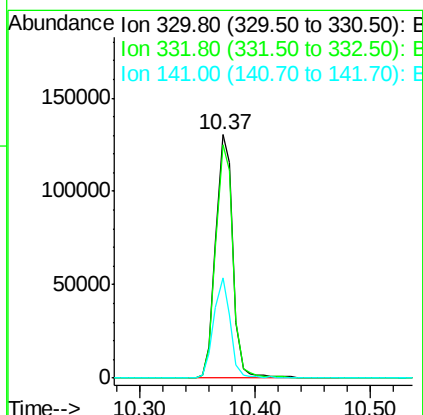
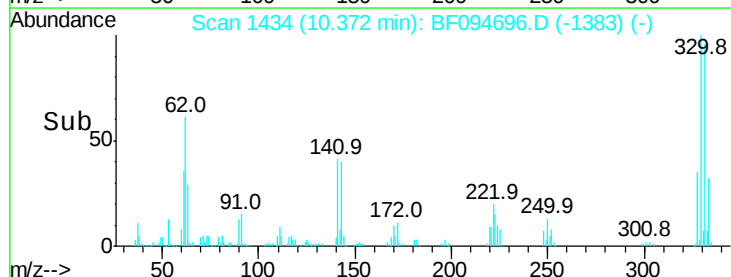
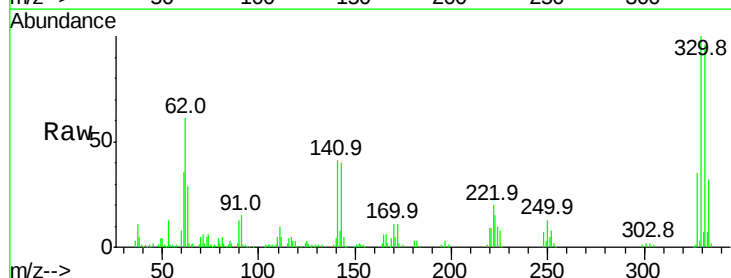
Instrument :
 BNA_F
 ClientSampleId :

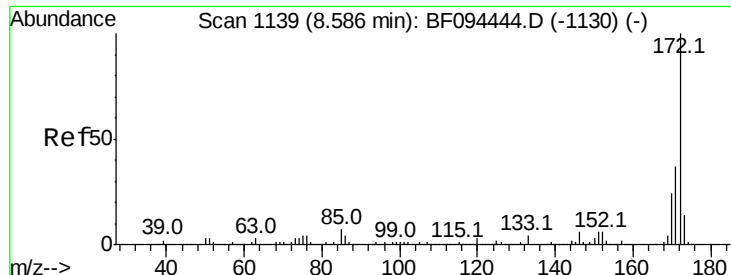
Tot Ion:164 Resp: 169432
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 44.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 102.02 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Tgt Ion:330 Resp: 135201
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 40.2 31.4 47.2

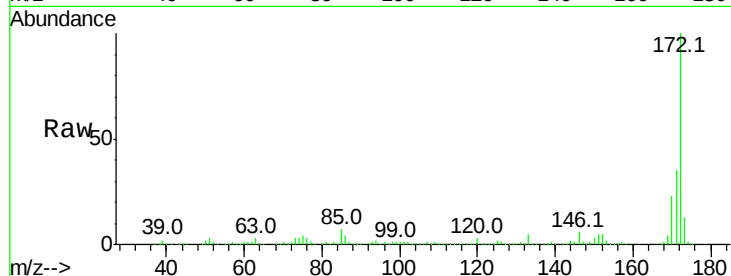




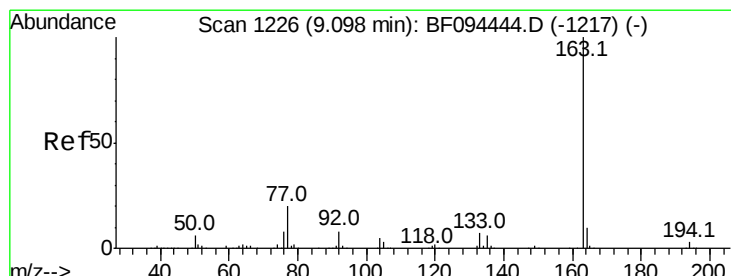
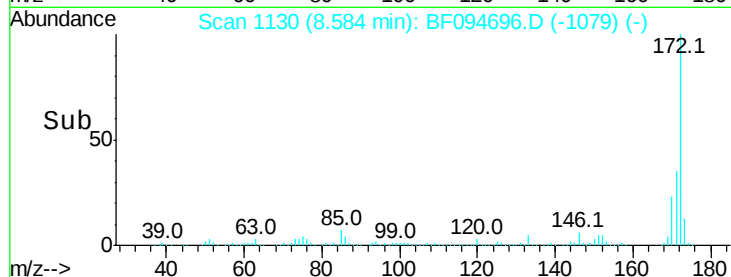
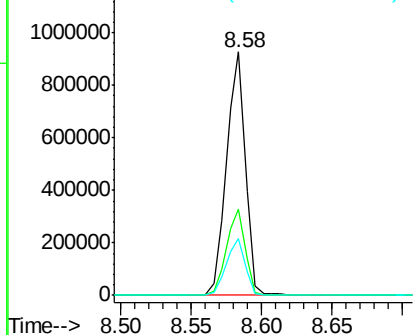
#44
2-Fluorobiphenyl
Concen: 74.82 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 861600
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.4 19.8 29.8

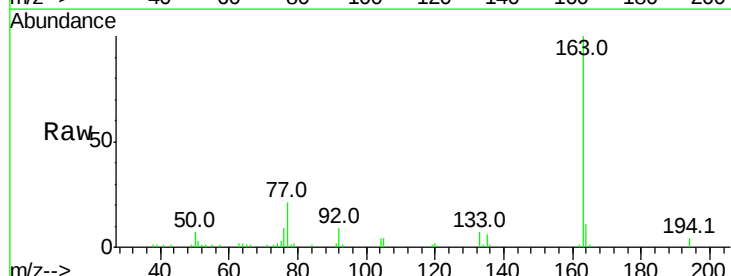


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

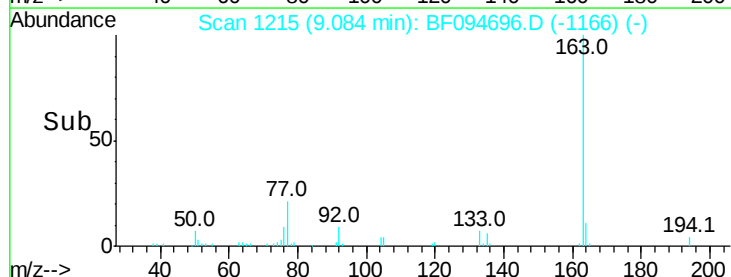
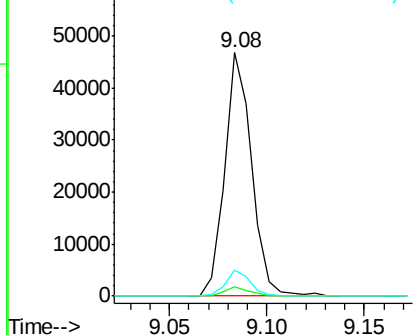


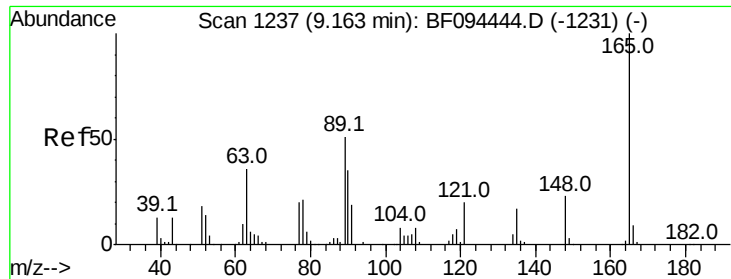
#49
Dimethylphthalate
Concen: 3.54 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion:163 Resp: 44647
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

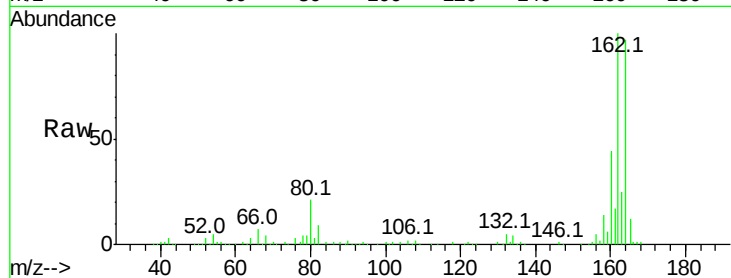




#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. 0.23 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :

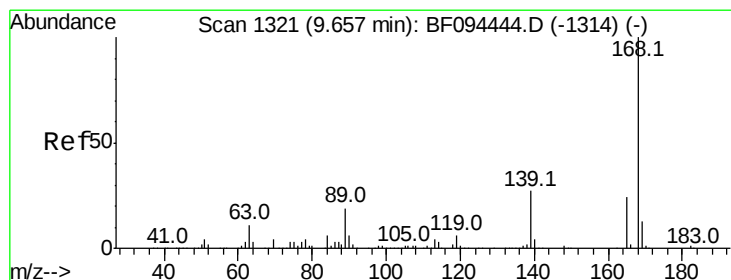
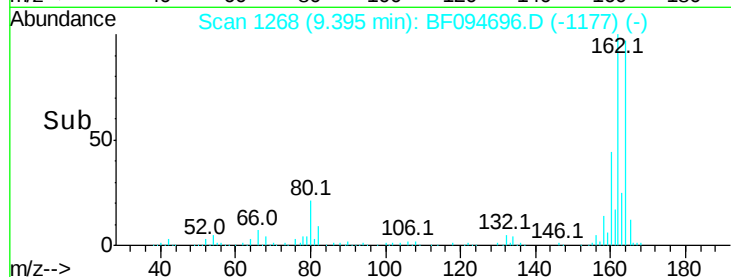
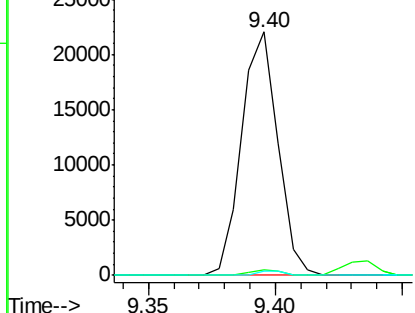
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	34.3	51.5#
89	1.9	37.1	55.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

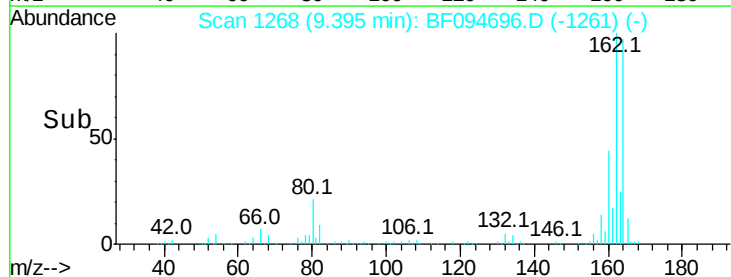
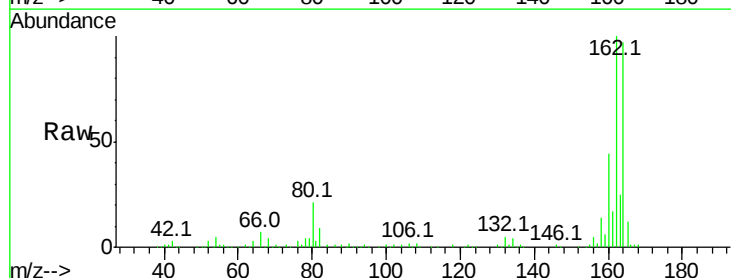
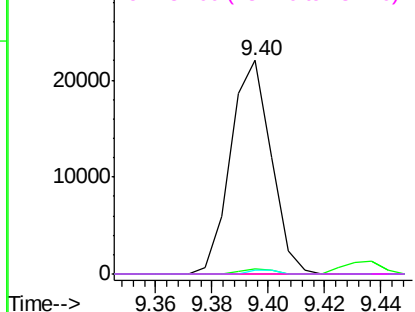
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#

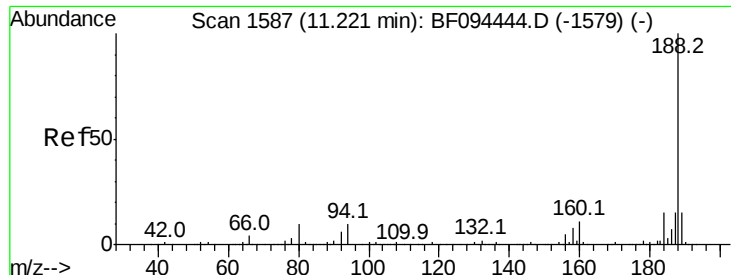
Abundance Ion 165.00 (164.70 to 165.70): E

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

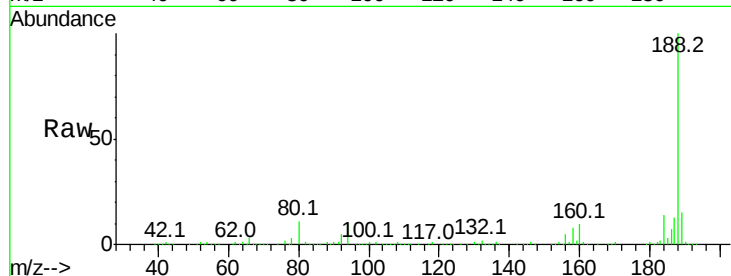




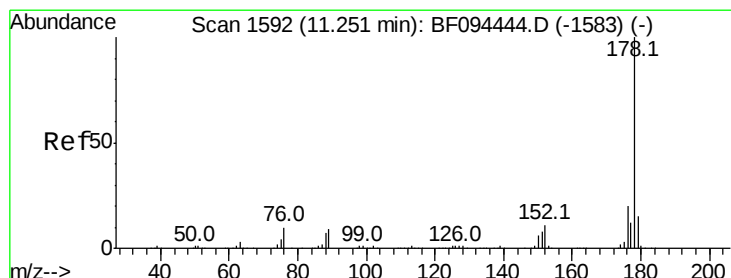
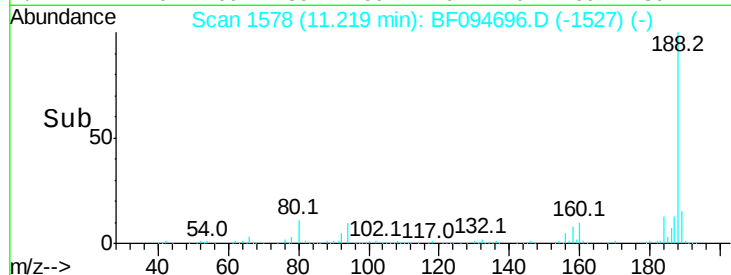
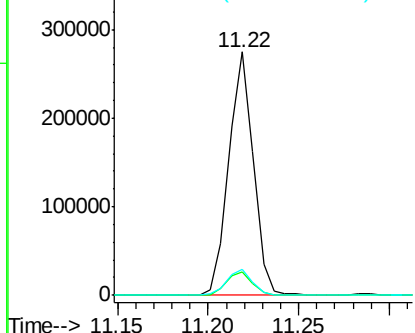
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 260639
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.9 10.2 15.2

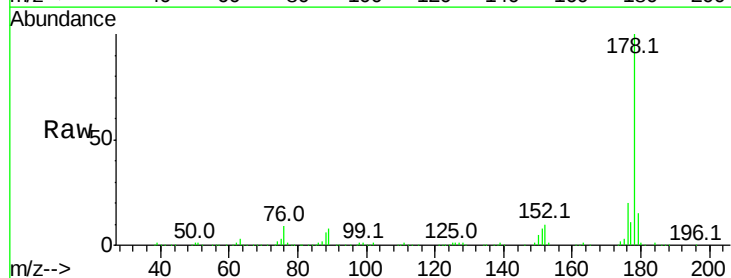


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

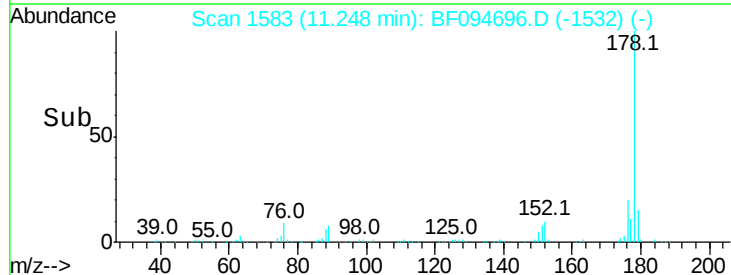
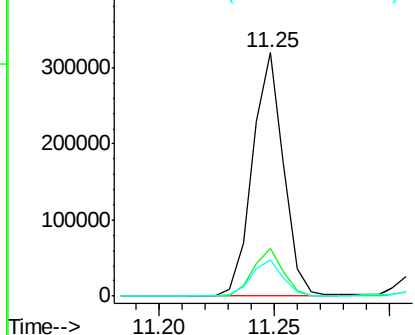


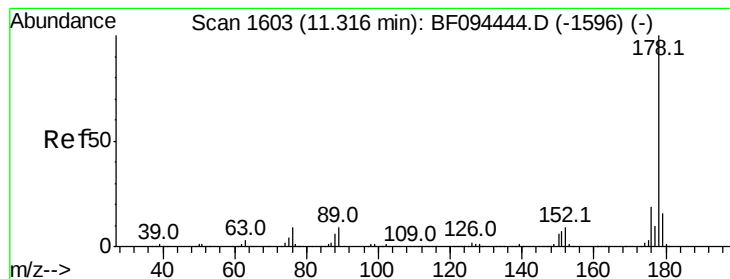
#70
Phenanthrene
Concen: 20.42 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion:178 Resp: 299682
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 14.9 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





#71

Anthracene

Concen: 2.16 ng

RT: 11.31 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

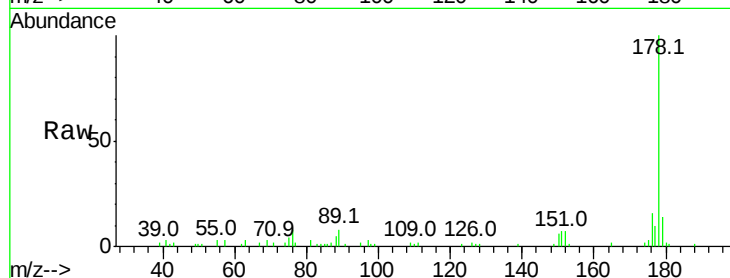
Tot Ion:178 Resp: 32827

Ion Ratio Lower Upper

178 100

176 15.9 15.8 23.8

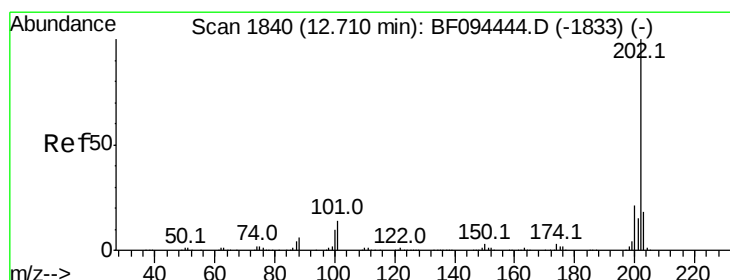
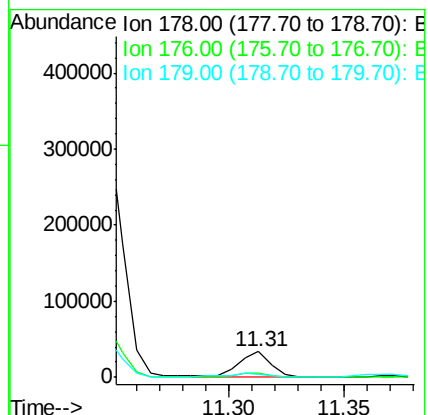
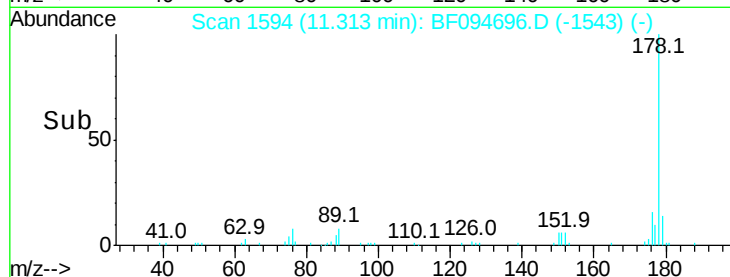
179 13.9 12.7 19.1



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: 18.25 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

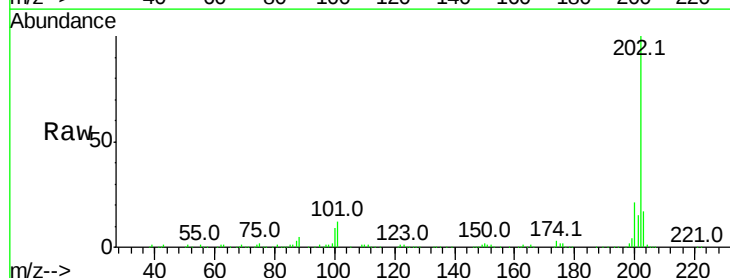
Tgt Ion:202 Resp: 277651

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

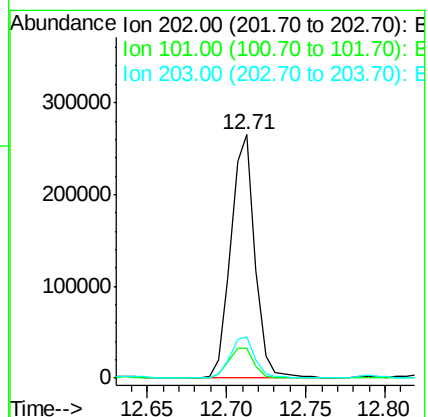
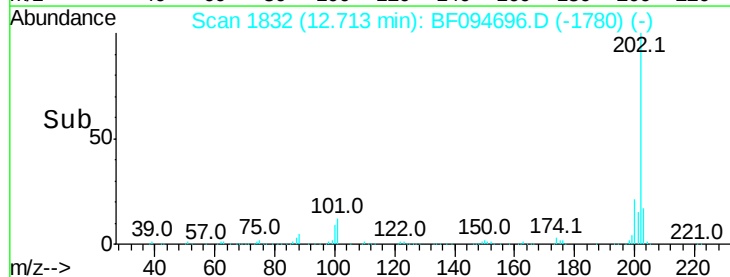
203 17.1 0.0 38.1

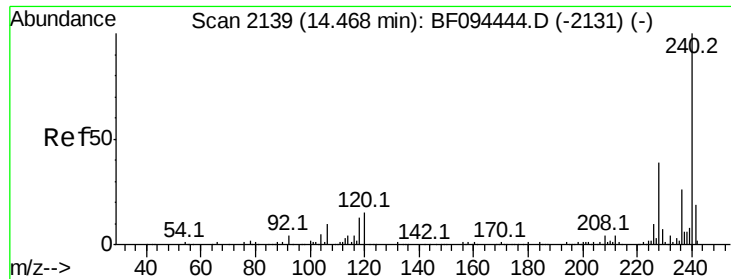


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

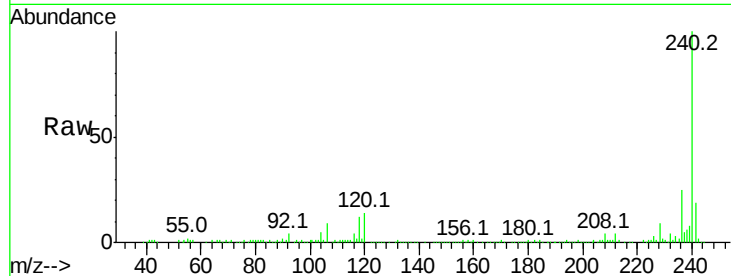
Tot Ion:240 Resp: 207426

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

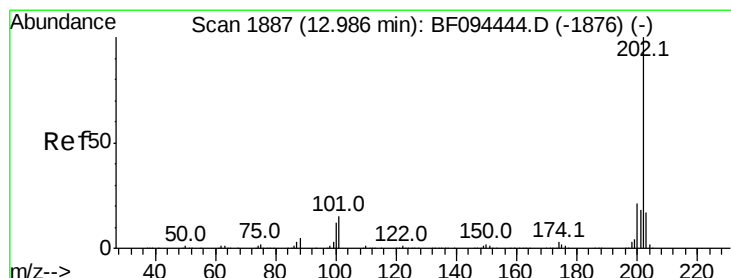
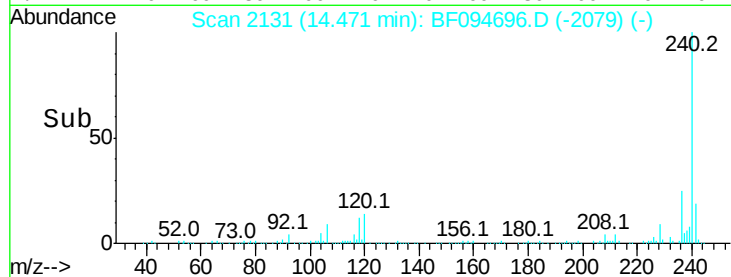
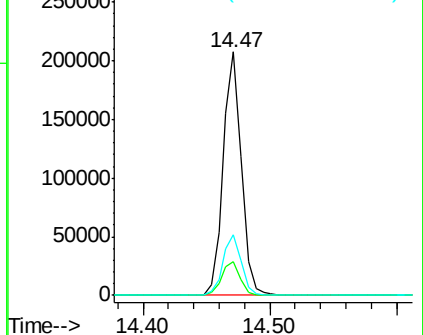
236 25.1 20.5 30.7



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: 19.74 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

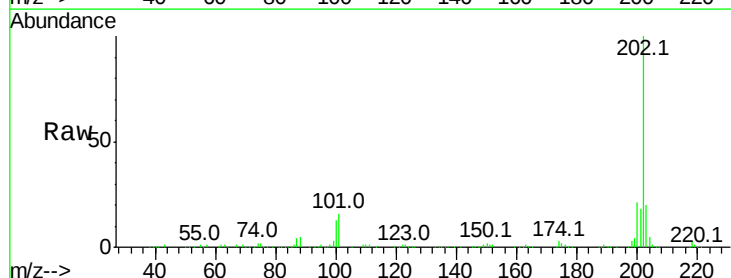
Tgt Ion:202 Resp: 286056

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

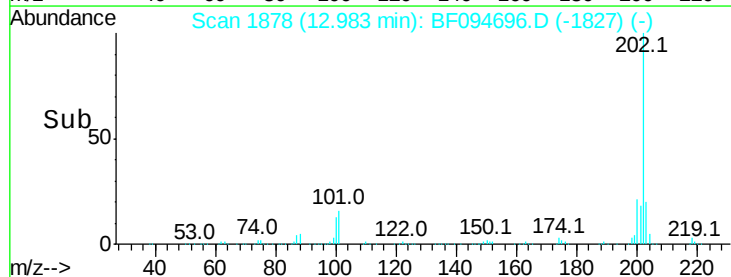
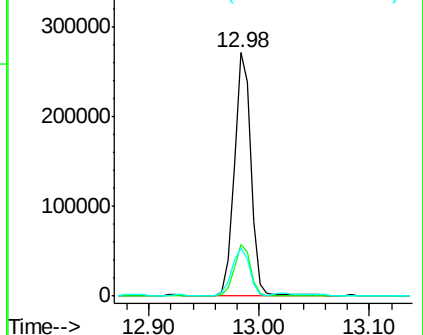
203 19.7 14.4 21.6

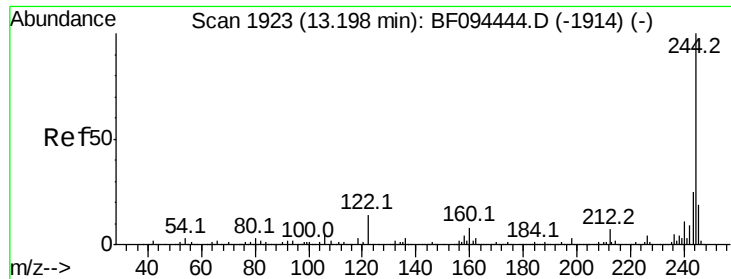


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

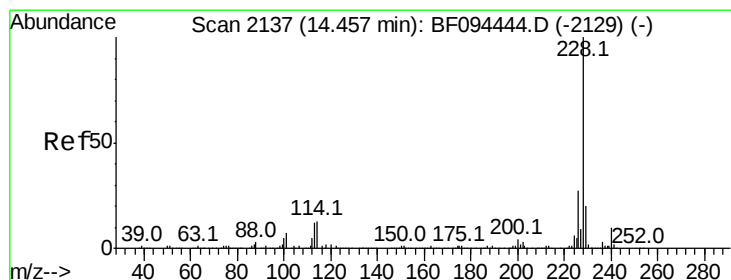
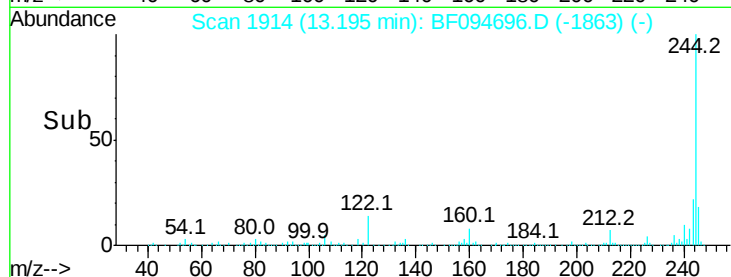
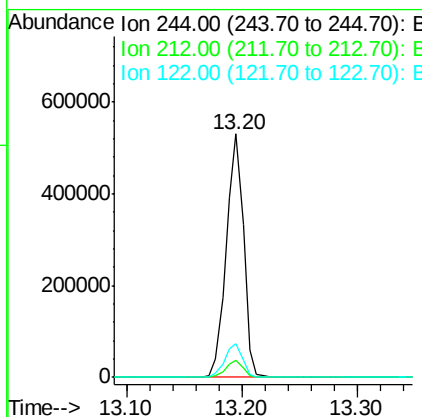
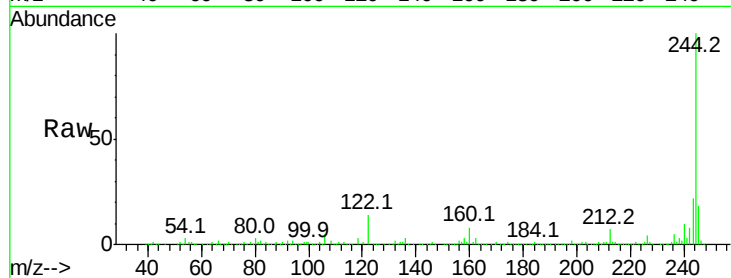




#78
 Terphenyl-d14
 Concen: 70.66 ng
 RT: 13.20 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

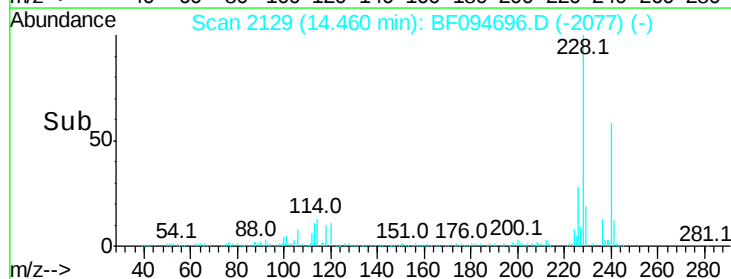
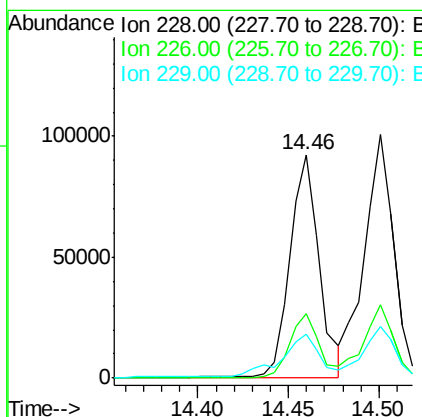
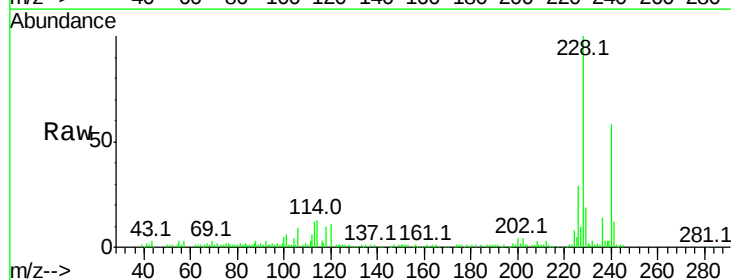
Instrument :
 BNA_F
 ClientSampleId :

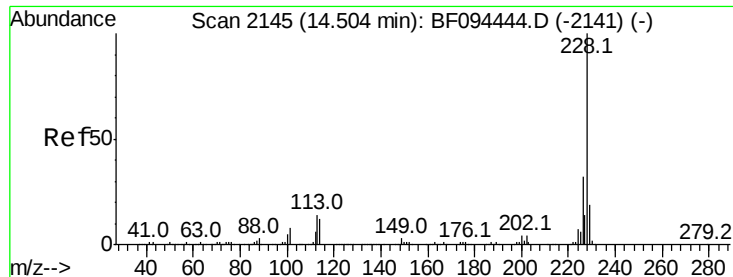
Tot Ion:244 Resp: 548374
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 8.78 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Tgt Ion:228 Resp: 105801
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 19.4 16.3 24.5

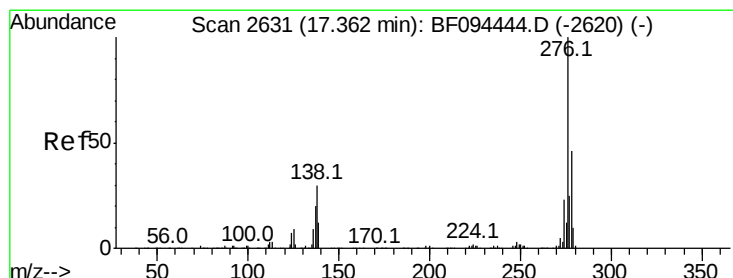
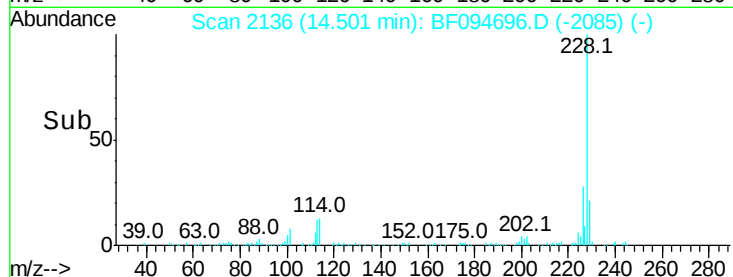
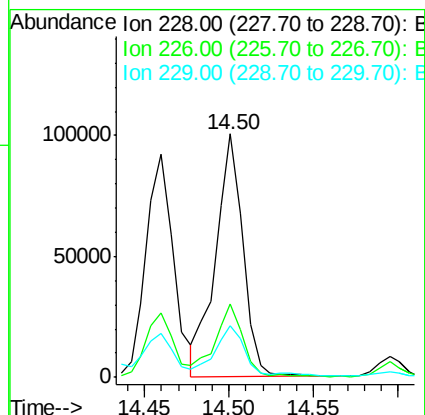
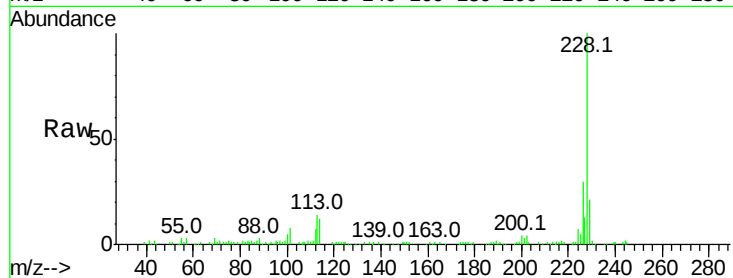




#82
Chrysene
Concen: 10.34 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

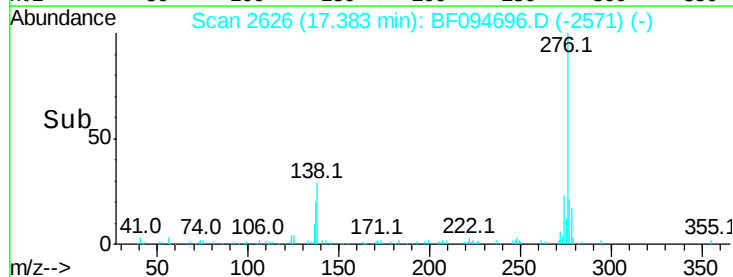
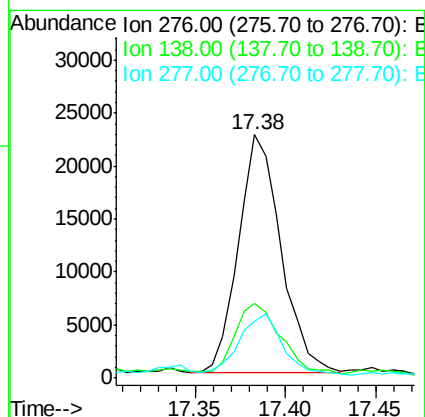
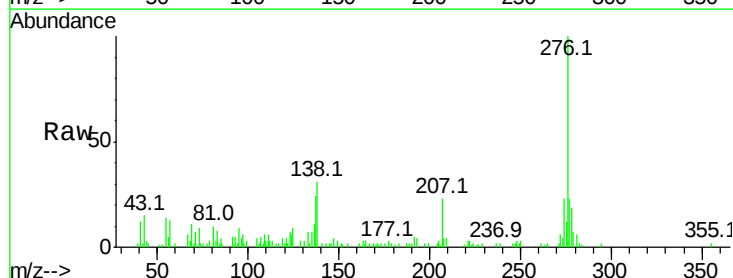
Instrument :
BNA_F
ClientSampleId :

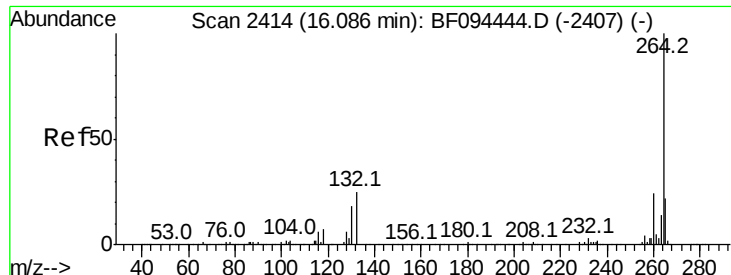
Tot Ion:228 Resp: 113874
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 21.3 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.48 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion:276 Resp: 36533
Ion Ratio Lower Upper
276 100
138 33.7 27.8 41.6
277 26.4 20.2 30.4

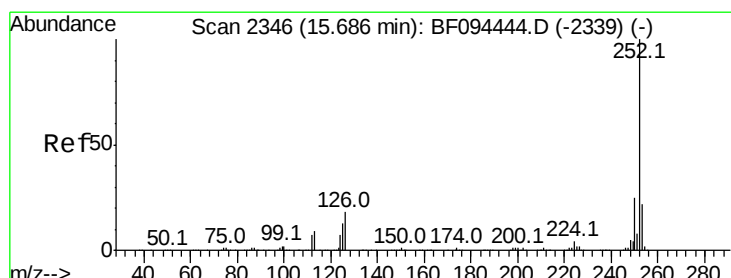
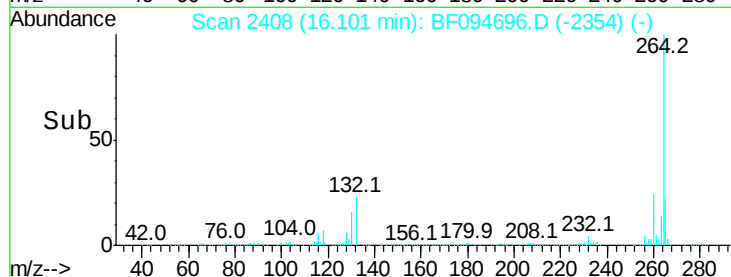
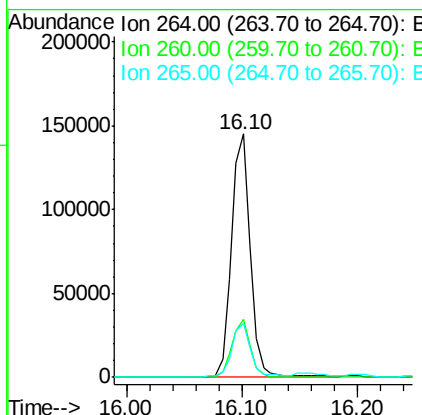
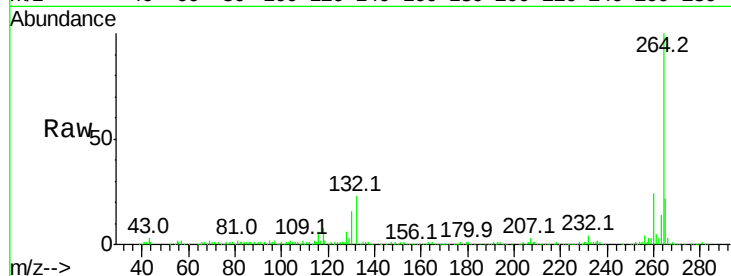




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

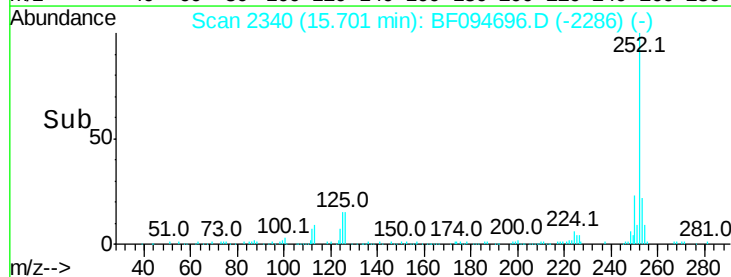
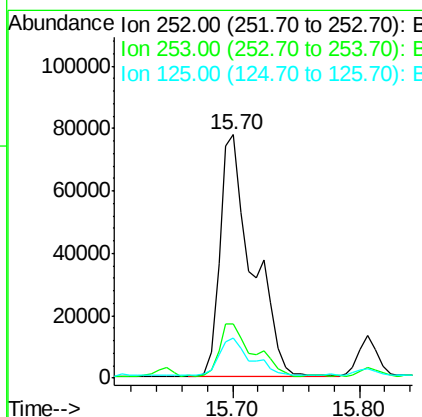
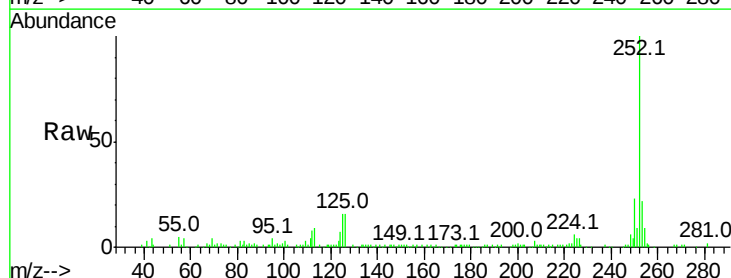
Instrument :
BNA_F
ClientSampleId :

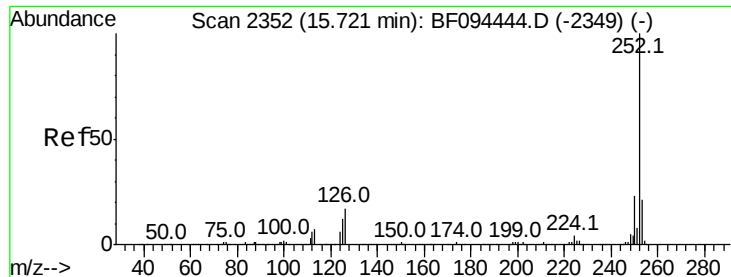
Tot Ion:264 Resp: 163758
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 13.87 ng
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion:252 Resp: 138984
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 16.4 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 14.66 ng

RT: 15.70 min Scan# 2340

Delta R.T. -0.02 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

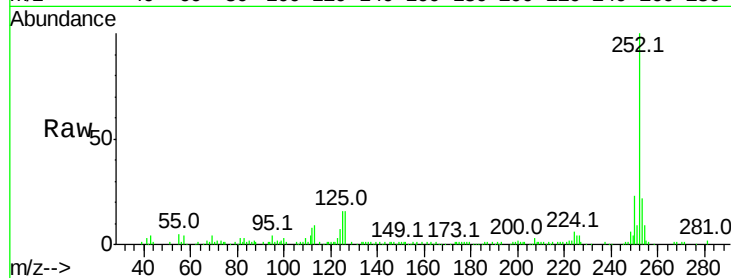
Tot Ion:252 Resp: 138984

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

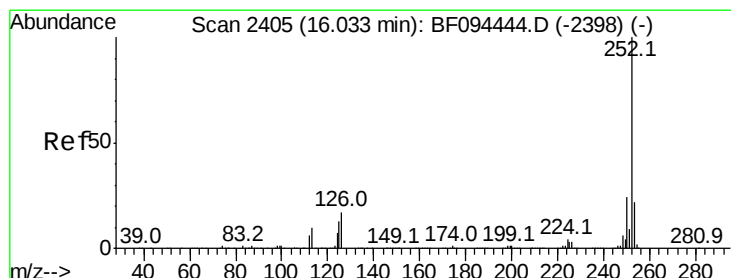
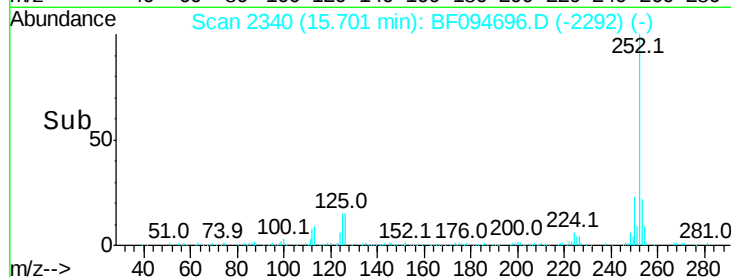
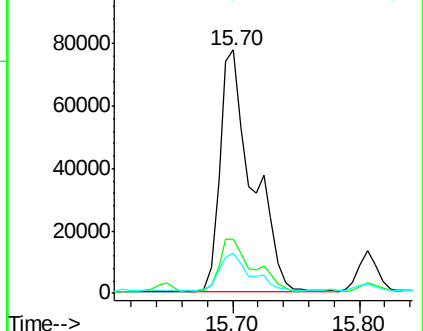
125 16.4 13.1 19.7



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: 7.91 ng

RT: 16.04 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

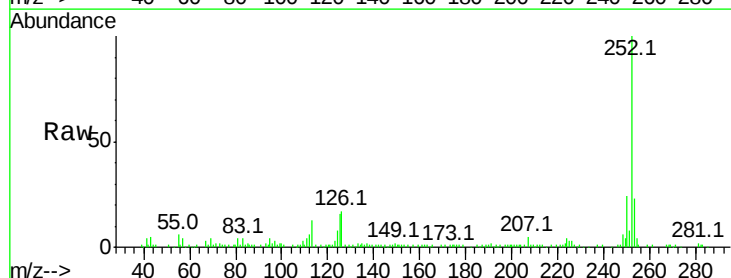
Tgt Ion:252 Resp: 73753

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

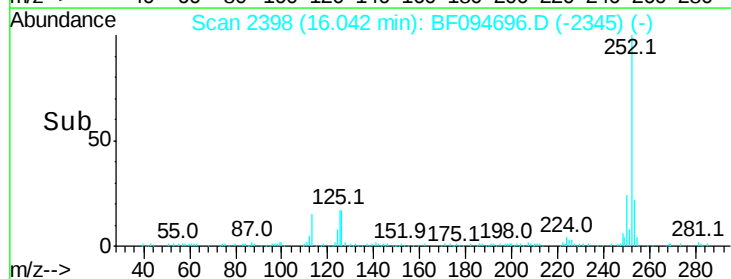
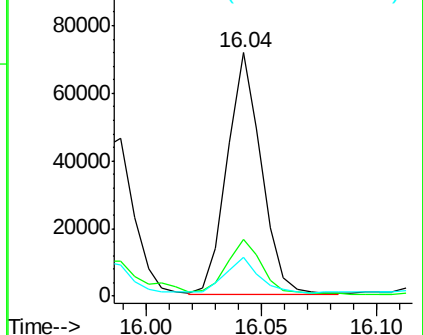
125 15.7 11.0 16.4

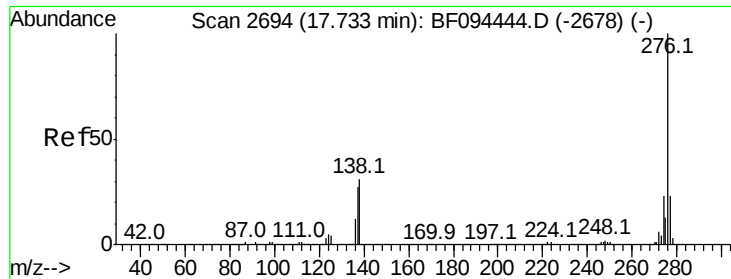


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

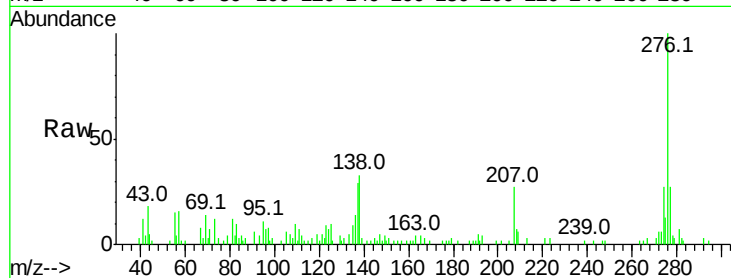




#91
 Benzo(a,h,i)perylene
 Concen: 5.02 ng
 RT: 17.76 min Scan# 2690
 Delta R.T. 0.03 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276	Resp:	39568
Ion Ratio	Lower	Upper
276	100	
277	27.1	18.6 28.0
138	33.3	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

