

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094702.D
 Acq On : 28 Apr 2017 23:41
 Operator : SJ/MA
 Sample : I2895-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 29 03:53:32 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

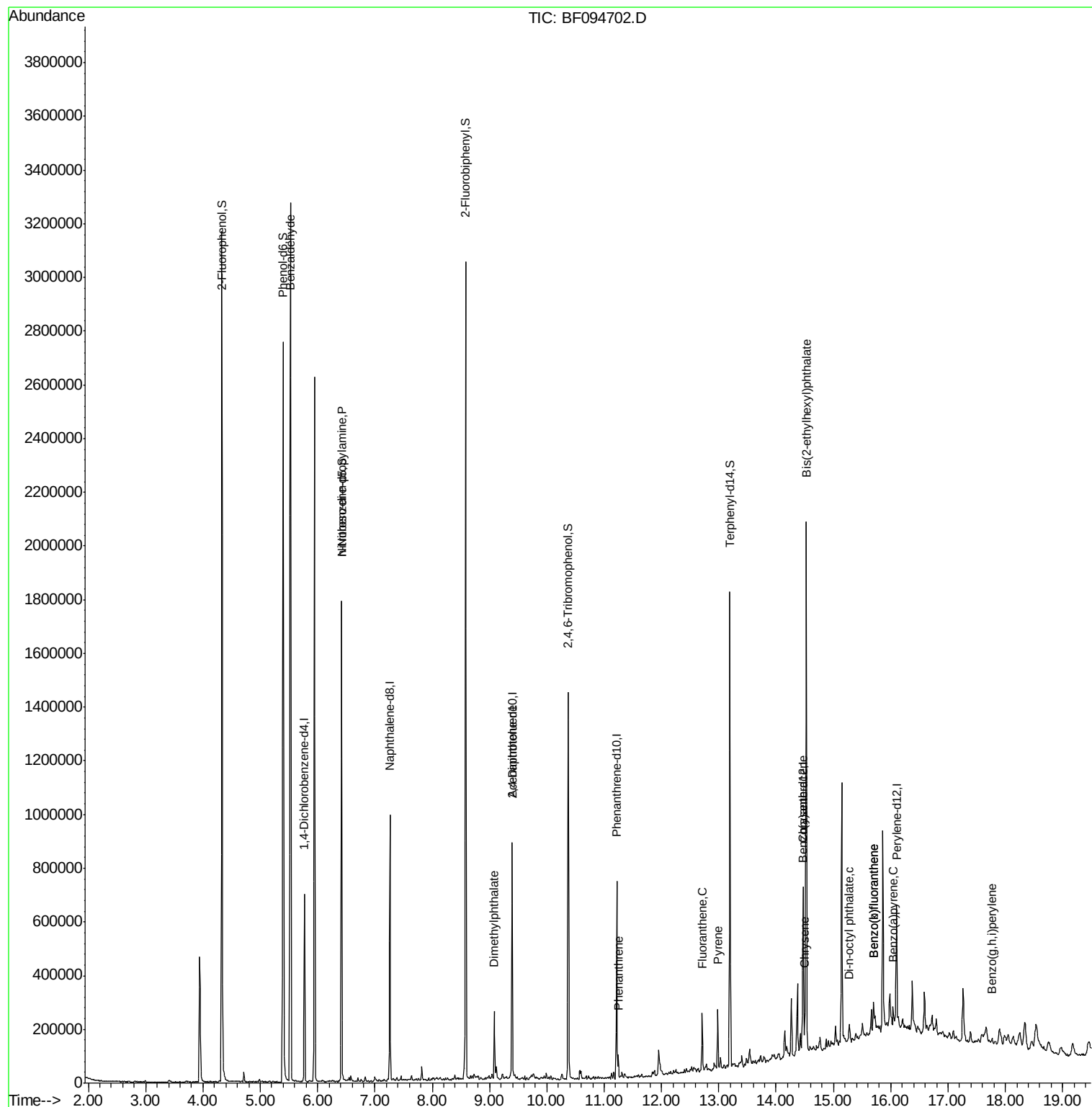
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	116069	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	443853	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	182941	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	280229	20.00	ng	0.00
75) Chrysene-d12	14.47	240	229583	20.00	ng	0.00
86) Perylene-d12	16.10	264	169046	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	984150	140.67	ng	0.03
7) Phenol-d6	5.40	99	1199905	145.48	ng	0.00
23) Nitrobenzene-d5	6.42	82	705749	98.18	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	188647	131.83	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1015189	81.65	ng	0.00
78) Terphenyl-d14	13.19	244	626360	72.92	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	19935	3.18	ng	83
19) n-Nitroso-di-n-propylamine	6.42	70	93705	17.15	ng	# 77
49) Dimethylphthalate	9.08	163	104170	7.64	ng	99
56) 2,4-Dinitrotoluene	9.40	165	23499	6.26	ng	# 33
70) Phenanthrene	11.25	178	35424	2.24	ng	98
74) Fluoranthene	12.71	202	101415	6.20	ng	98
77) Pyrene	12.98	202	91634	5.71	ng	97
80) Benzo(a)anthracene	14.46	228	42981	3.22	ng	95
82) Chrysene	14.50	228	45819	3.76	ng	97
83) Bis(2-ethylhexyl)phthalate	14.52	149	665910	70.56	ng	# 99
84) Di-n-octyl phthalate	15.28	149	43217	2.73	ng	# 77
87) Benzo(b)fluoranthene	15.70	252	66263	6.41	ng	# 90
88) Benzo(k)fluoranthene	15.70	252	66263	6.77	ng	# 94
89) Benzo(a)pyrene	16.04	252	31891	3.31	ng	# 90
91) Benzo(a,h,i)perylene	17.77	276	19445	2.39	ng	94

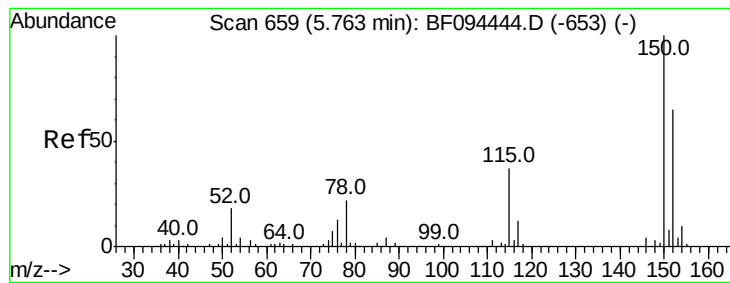
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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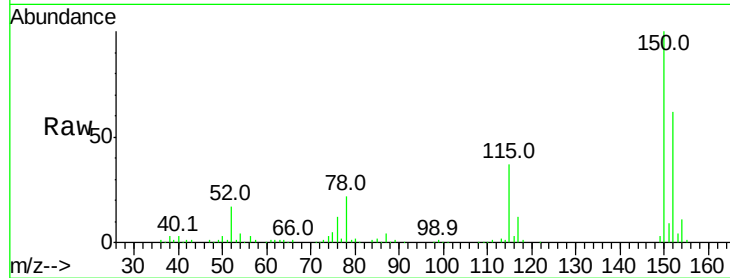


#1

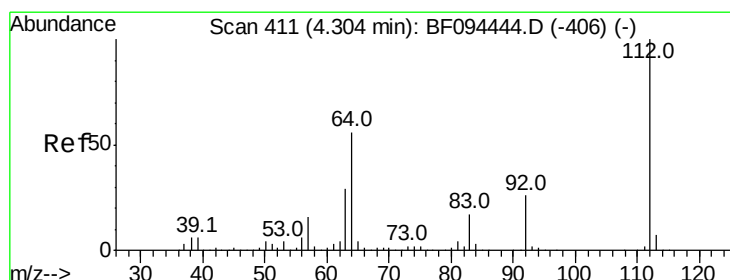
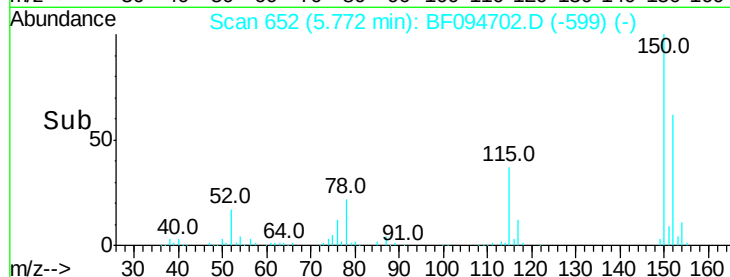
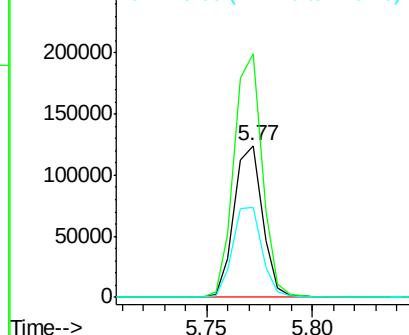
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116069
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 59.5 52.2 78.2



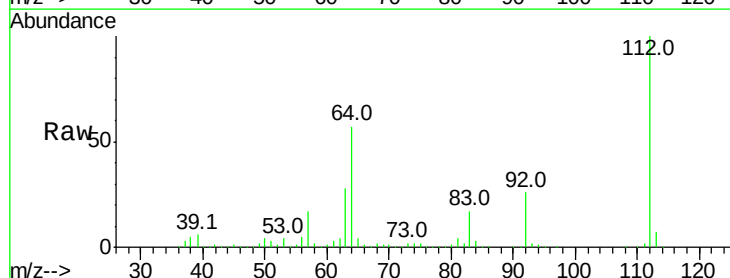
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



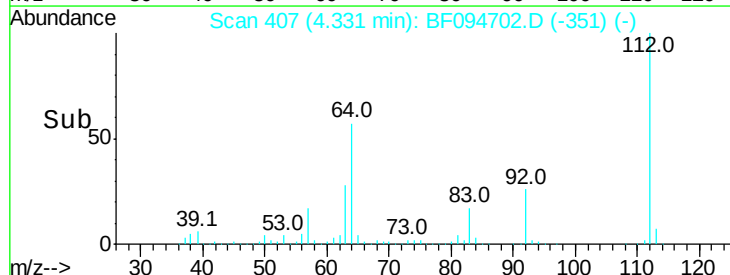
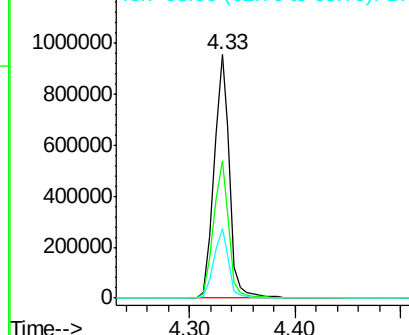
#5

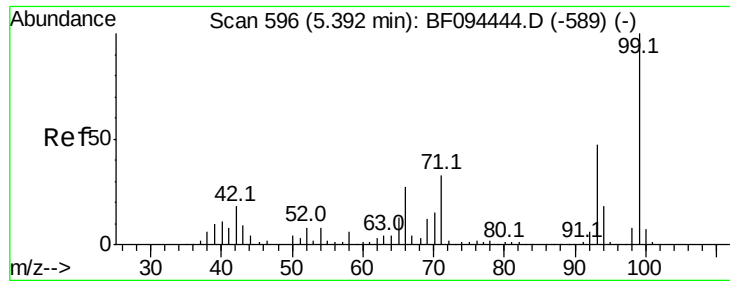
2-Fluorophenol
Concen: 140.67 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

Tgt Ion:112 Resp: 984150
Ion Ratio Lower Upper
112 100
64 56.7 46.0 69.0
63 28.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.48 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

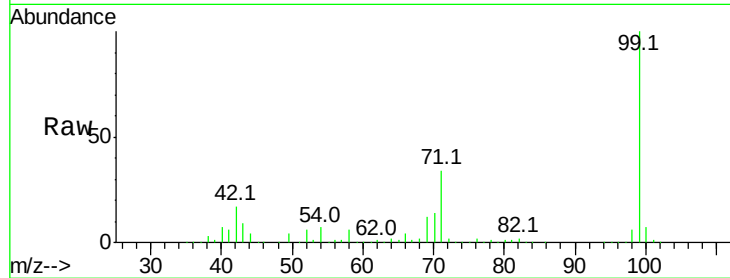
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1199905

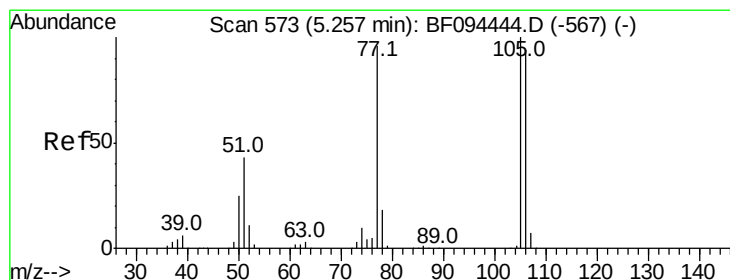
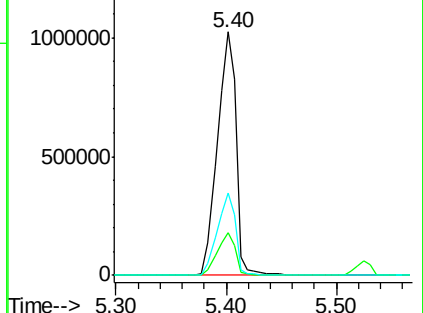
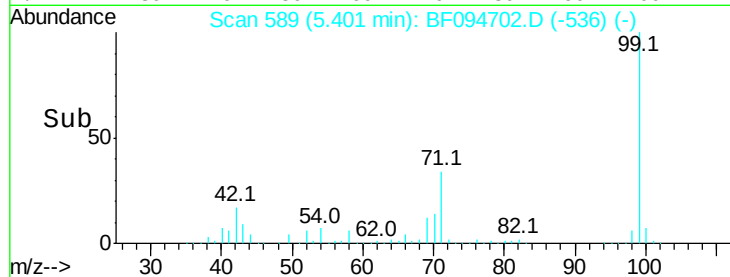
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.5	20.3
71	33.6	24.5	36.7



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



#9

Benzaldehyde

Concen: 3.18 ng

RT: 5.52 min Scan# 610

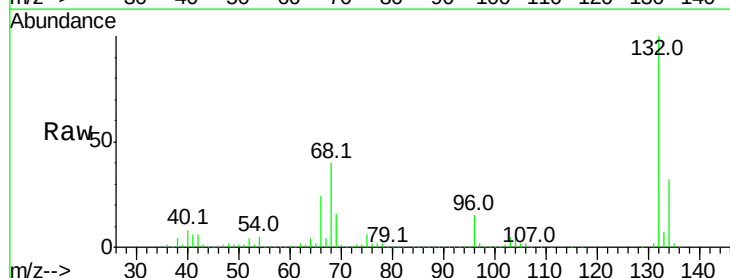
Delta R.T. 0.27 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

Tgt Ion: 77 Resp: 19935

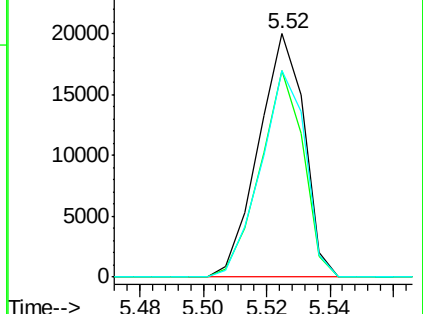
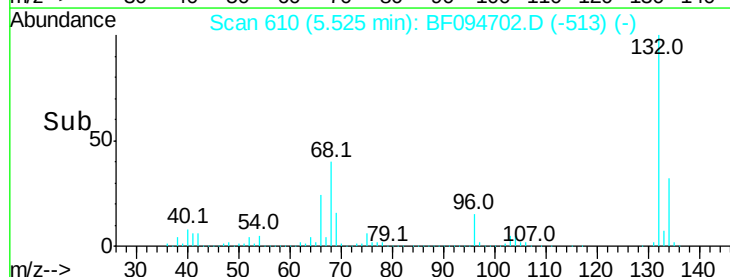
Ion	Ratio	Lower	Upper
77	100		
105	84.8	83.8	123.8
106	84.7	79.1	119.1

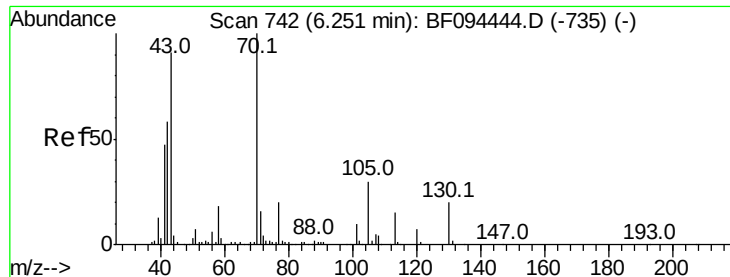


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.15 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 93705

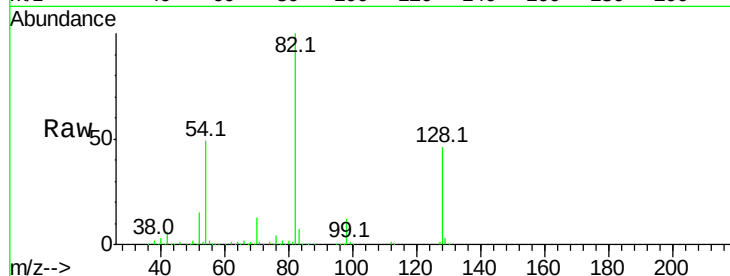
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

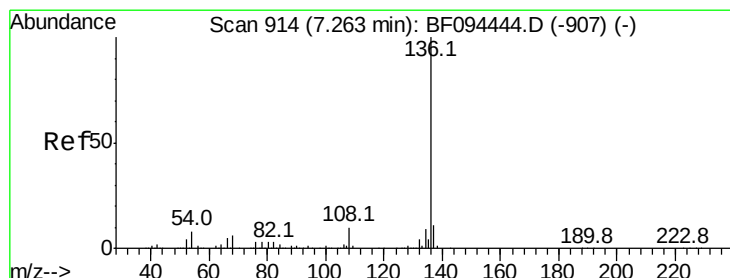
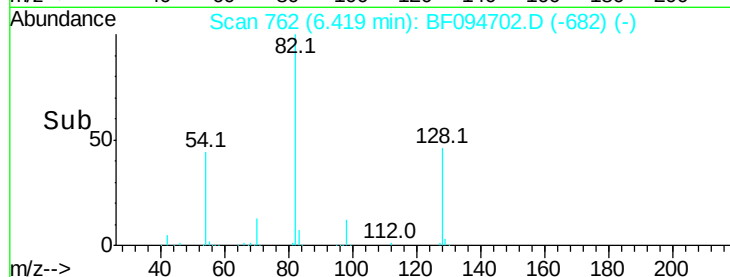
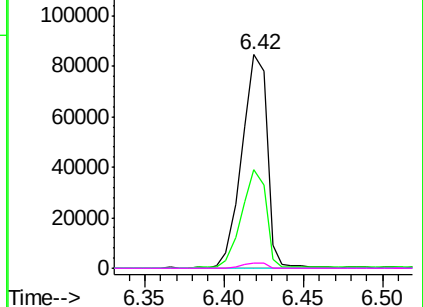


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094702.D

Acq: 28 Apr 2017 23:41

Tgt Ion:136 Resp: 443853

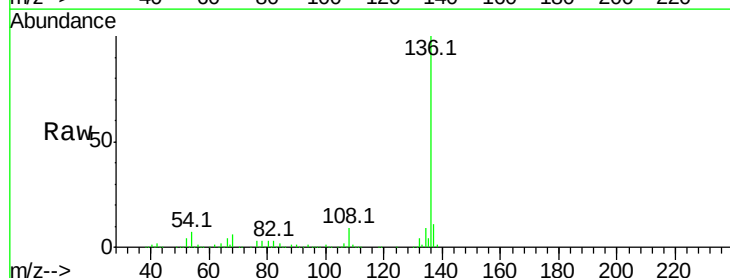
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

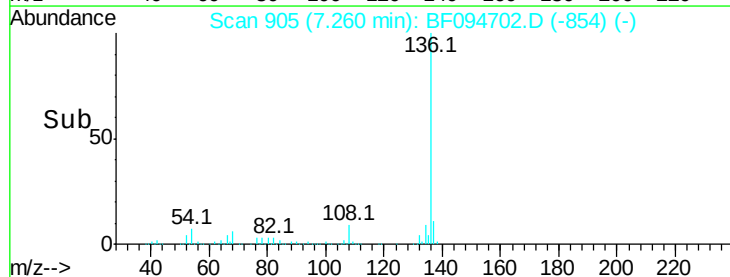
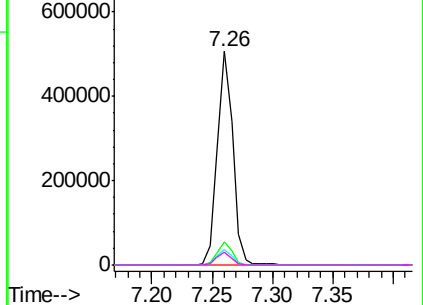


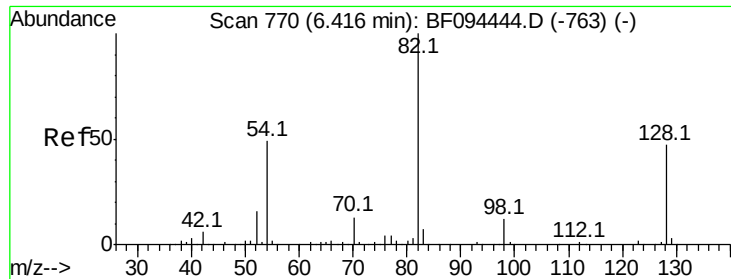
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

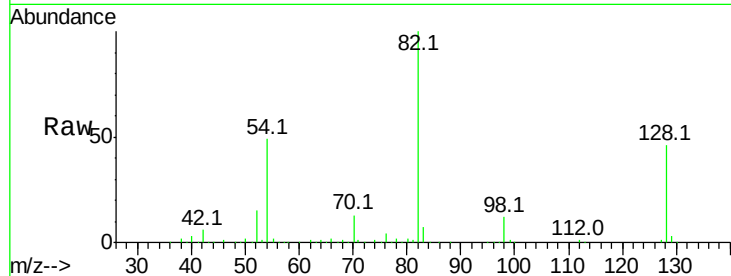




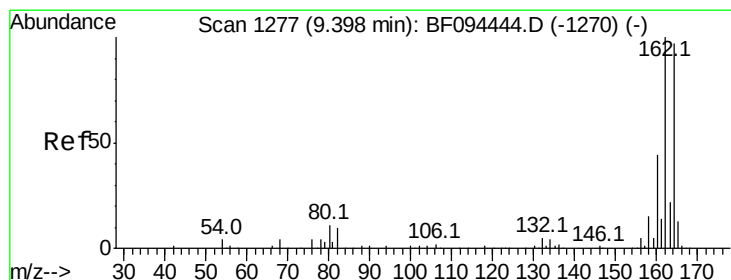
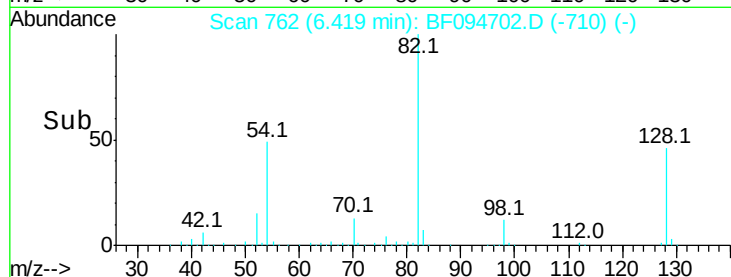
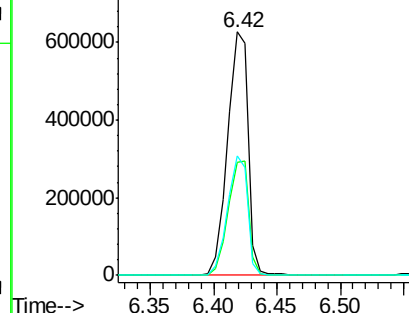
#23
 Nitrobenzene-d5
 Concen: 98.18 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	705749
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	48.8	42.2	63.2

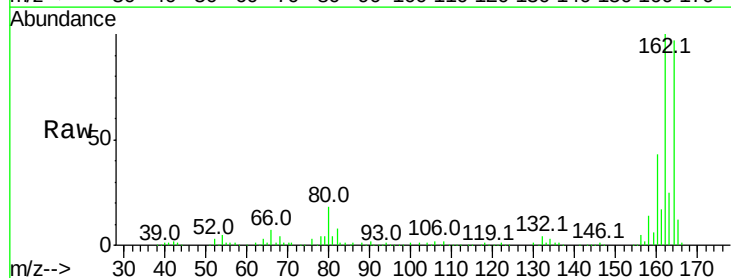


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

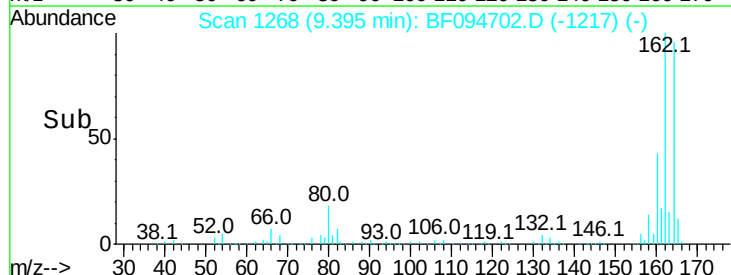
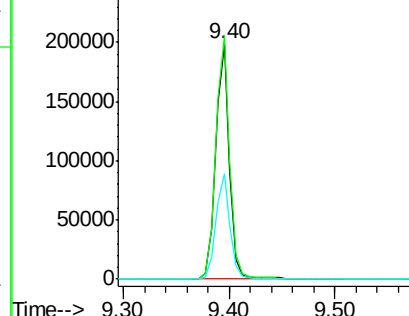


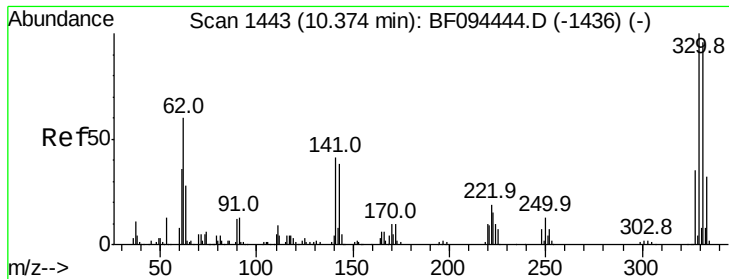
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Tgt Ion	164	Resp	182941
Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	44.8	36.2	54.2



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

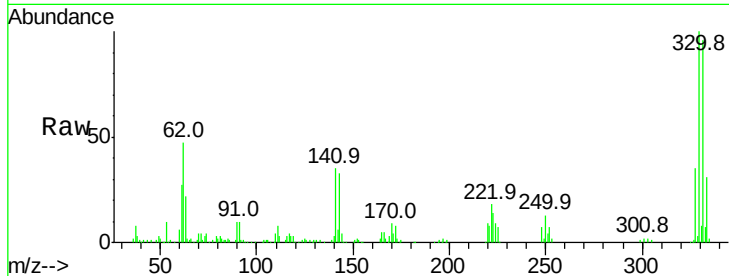




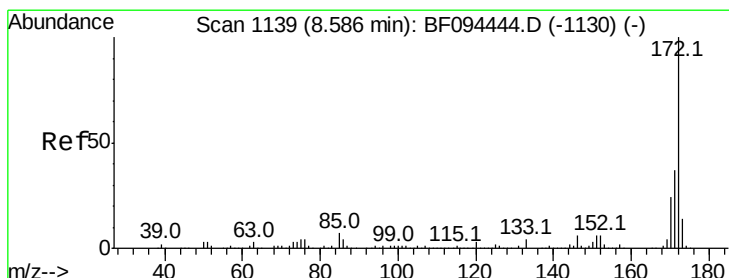
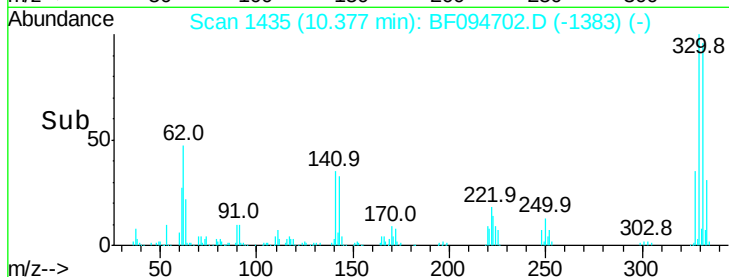
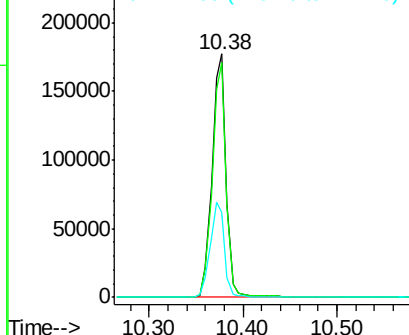
#41
 2,4,6-Tribromophenol
 Concen: 131.83 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 188647
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 39.4 31.4 47.2

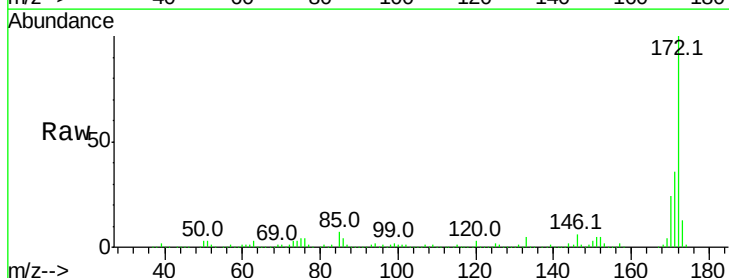


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

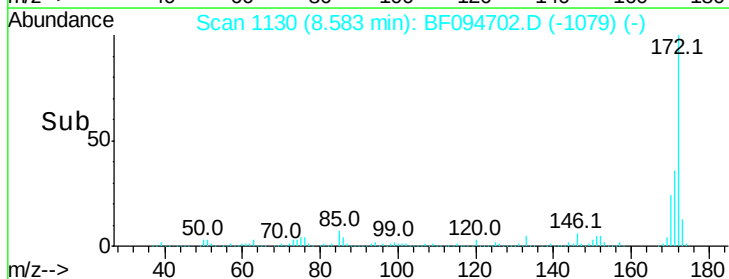
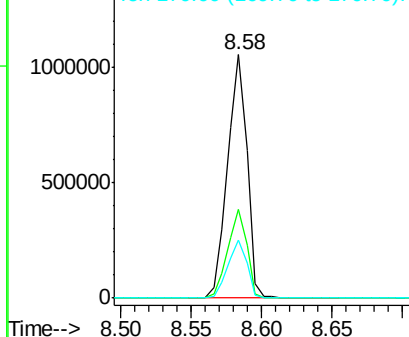


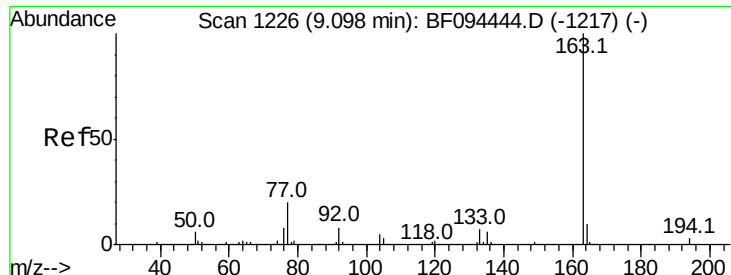
#44
 2-Fluorobiphenyl
 Concen: 81.65 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Tgt Ion:172 Resp: 1015189
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.8 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

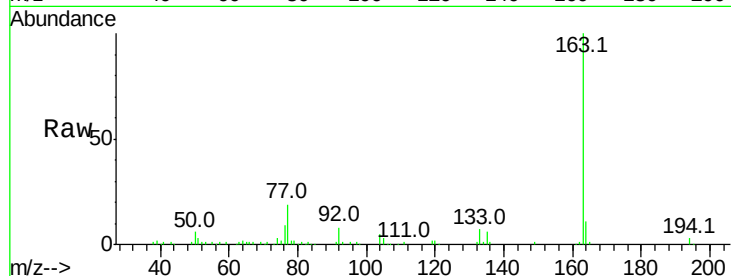




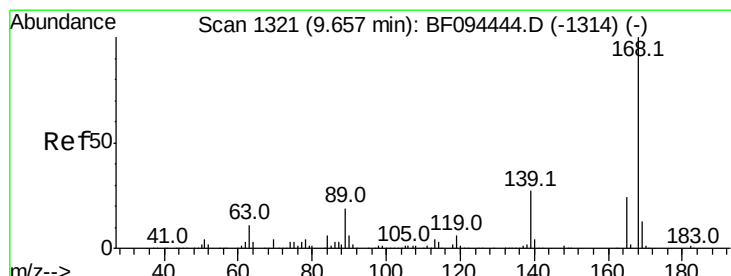
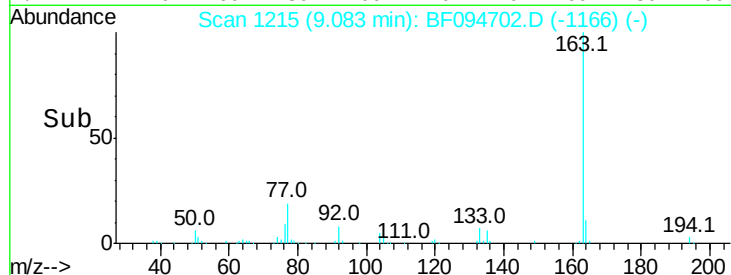
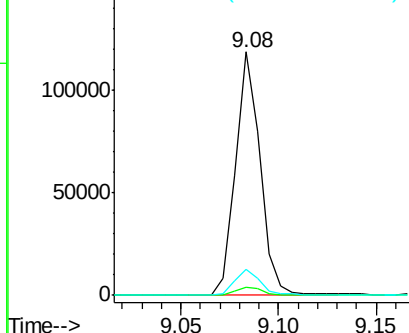
#49
 Dimethylphthalate
 Concen: 7.64 ng
 RT: 9.08 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 104170
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.7 8.4 12.6

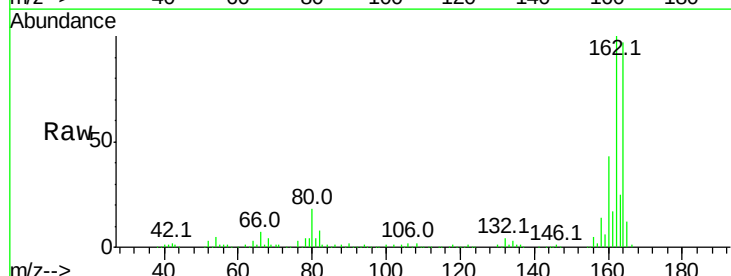


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

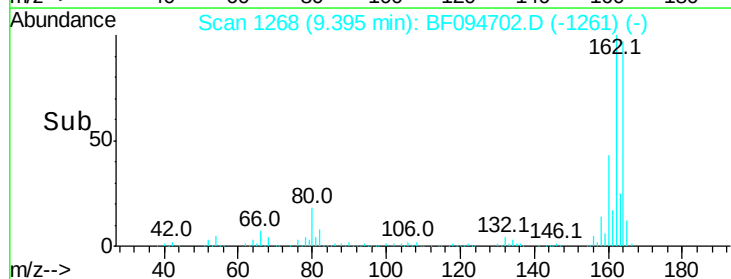
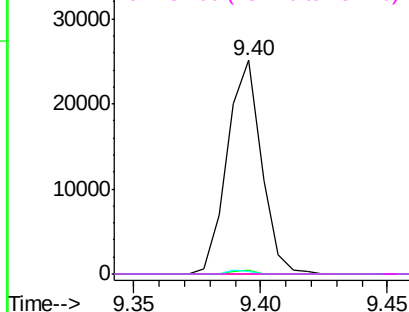


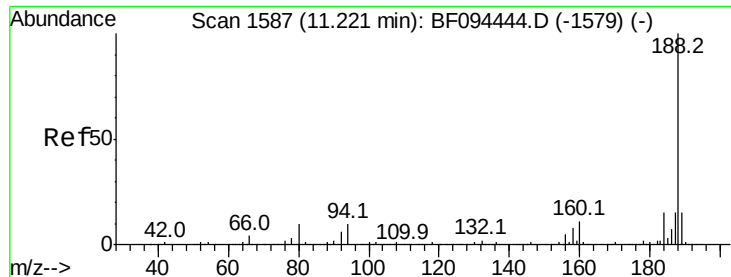
#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Tgt Ion:165 Resp: 23499
 Ion Ratio Lower Upper
 165 100
 63 1.5 25.4 38.0#
 89 1.4 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

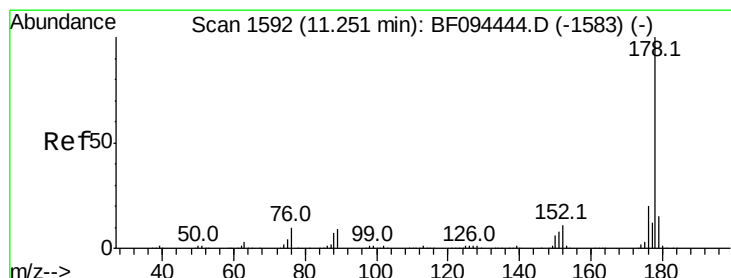
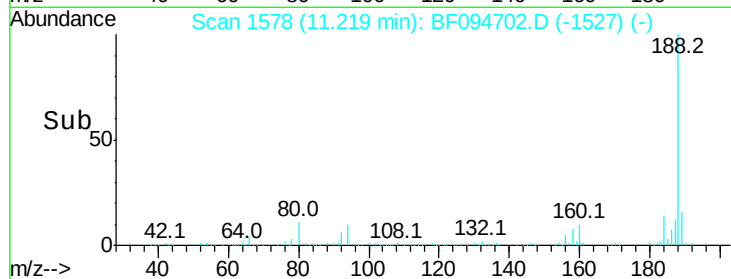
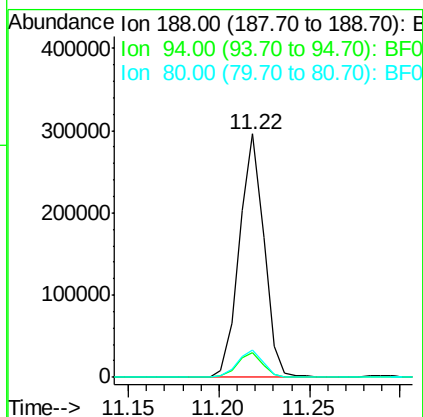
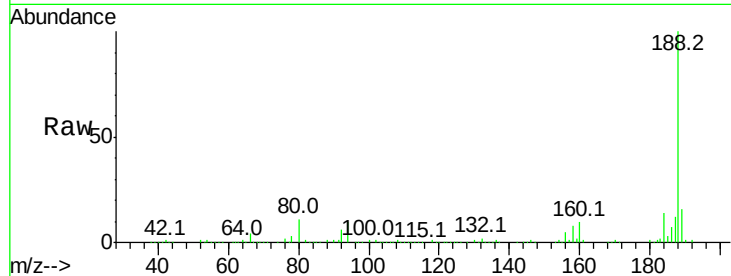




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

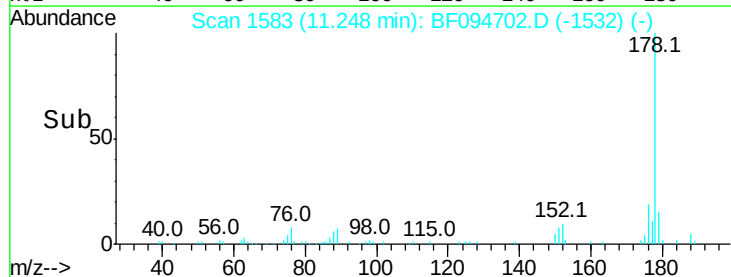
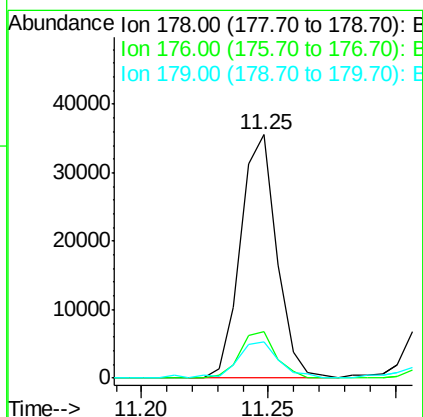
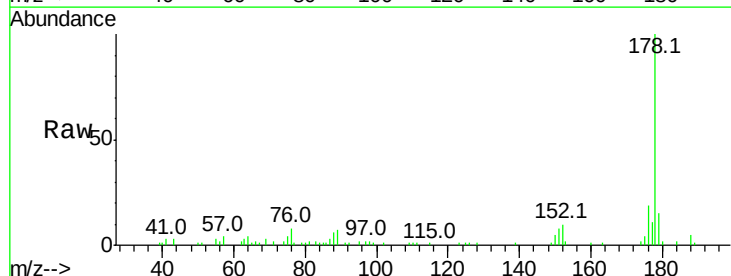
Instrument :
BNA_F
ClientSampleId :

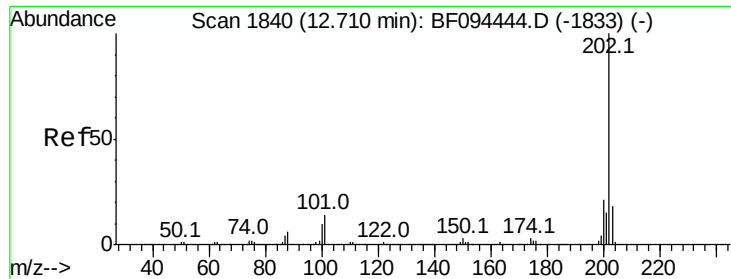
Tot Ion:188 Resp: 280229
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.3 10.2 15.2



#70
Phenanthrene
Concen: 2.24 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

Tgt Ion:178 Resp: 35424
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.0 12.6 19.0





#74

Fluoranthene

Concen: 6.20 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094702.D

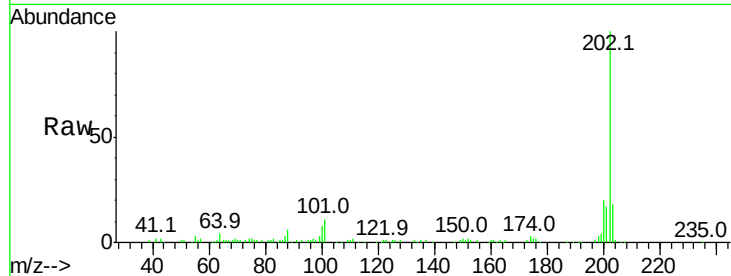
Acq: 28 Apr 2017 23:41

Instrument :

BNA_F

ClientSampleId :

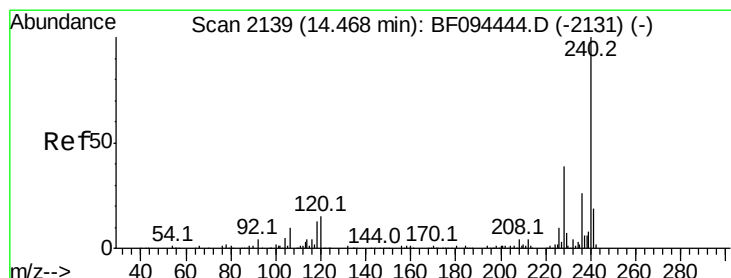
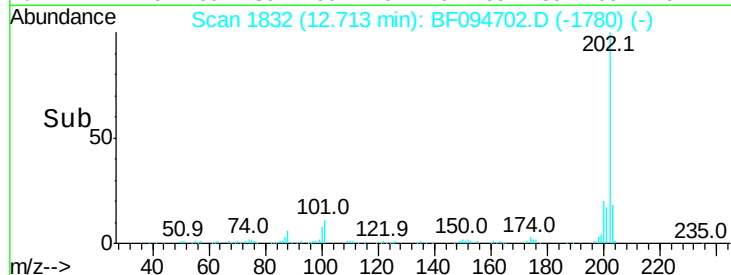
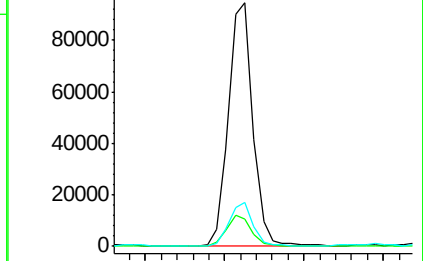
Tot Ion:	202	Resp:	101415
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	17.8	0.0	38.1



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

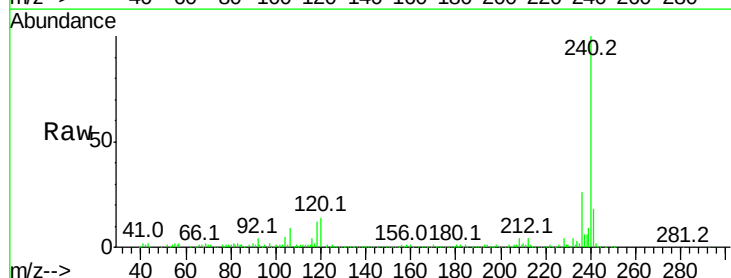
RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

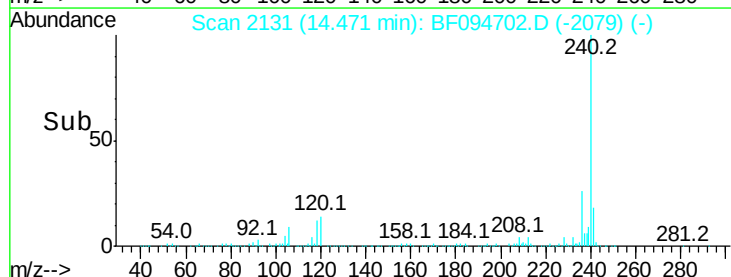
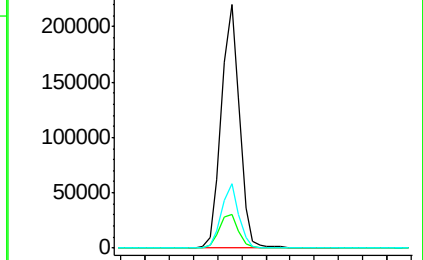
Tgt Ion:	240	Resp:	229583
Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	26.2	20.5	30.7

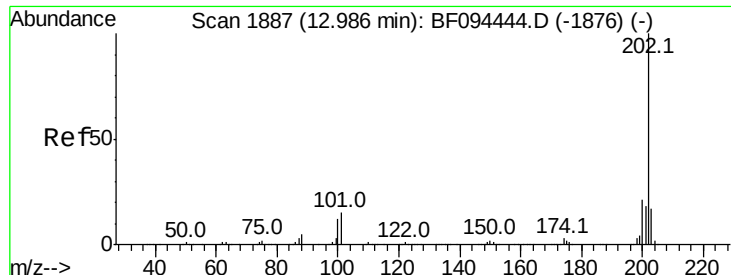


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.71 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

Instrument :

BNA_F

ClientSampled :

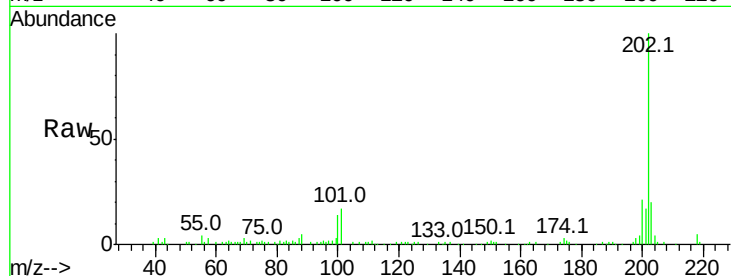
Tot Ion:202 Resp: 91634

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

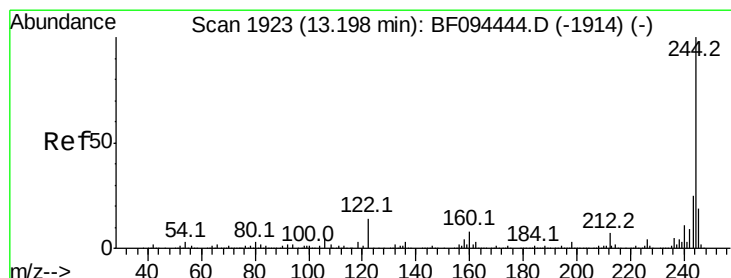
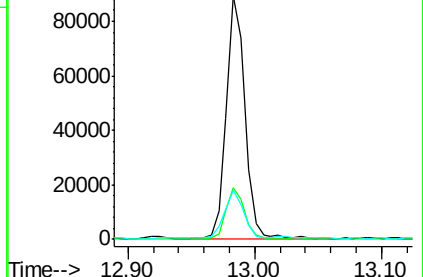
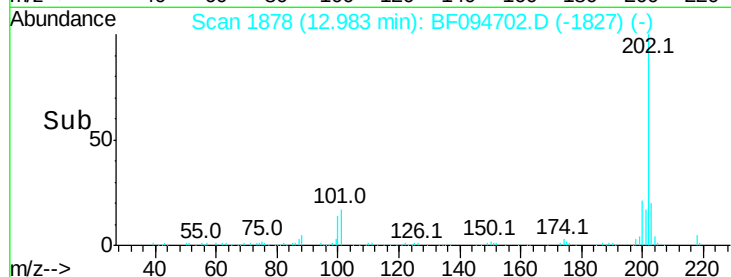
203 20.0 14.4 21.6



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: 72.92 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

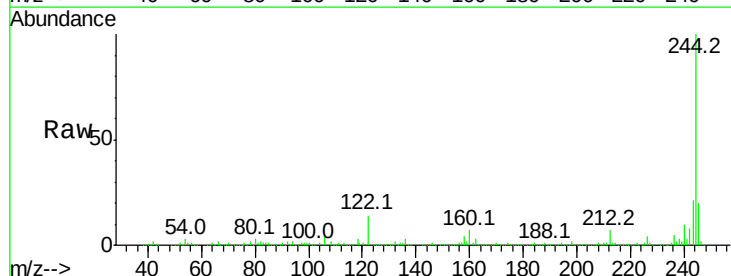
Tgt Ion:244 Resp: 626360

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

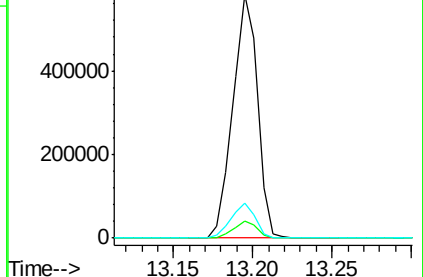
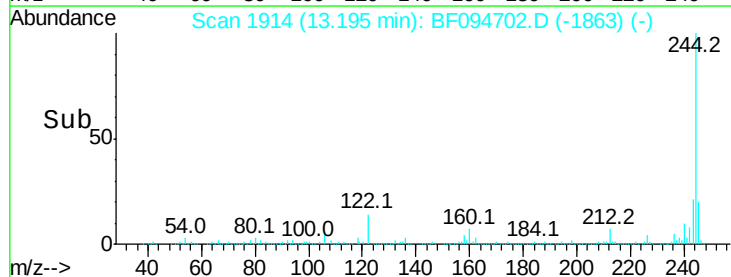
122 14.3 10.3 15.5

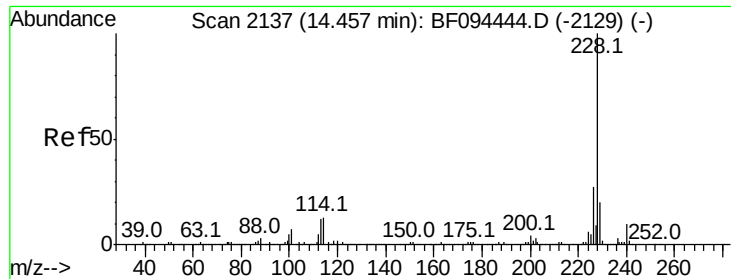


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.22 ng

RT: 14.46 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

Instrument :

BNA_F

ClientSampleId :

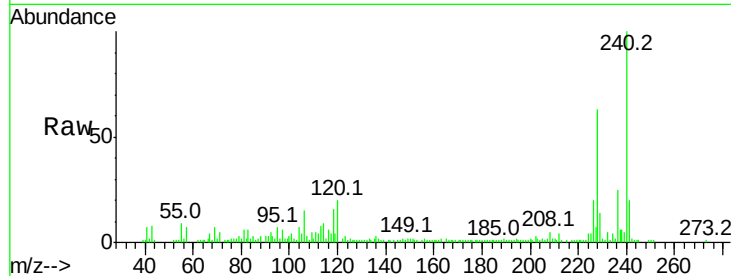
Tot Ion:228 Resp: 42981

Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

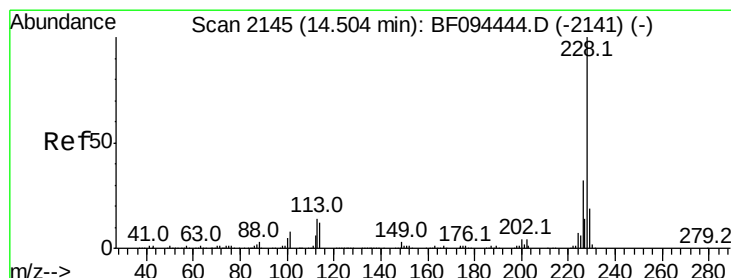
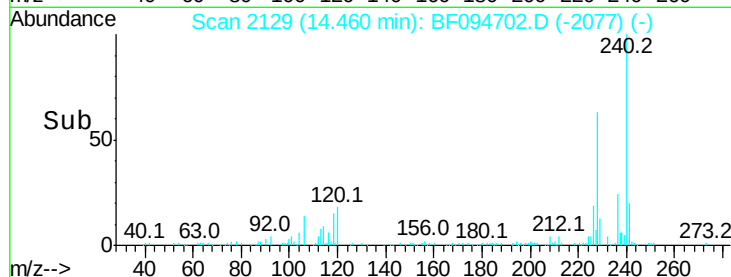
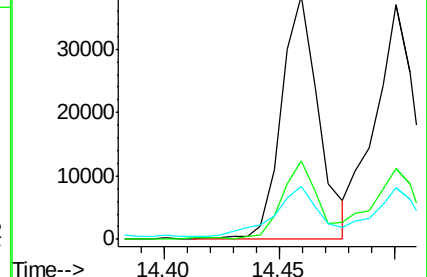
229 21.6 16.3 24.5



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: 3.76 ng

RT: 14.50 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF094702.D

Acq: 28 Apr 2017 23:41

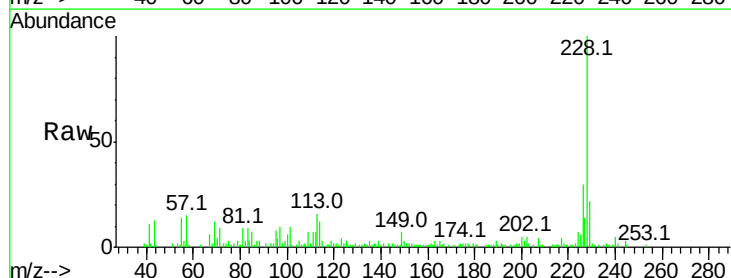
Tgt Ion:228 Resp: 45819

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

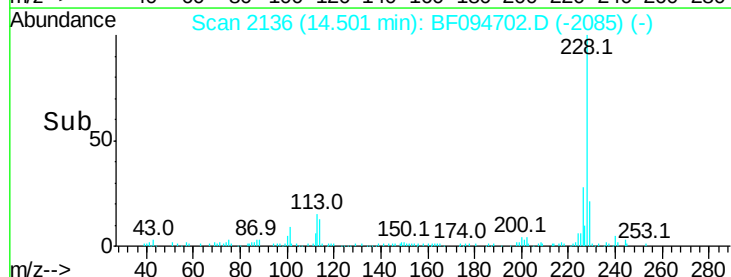
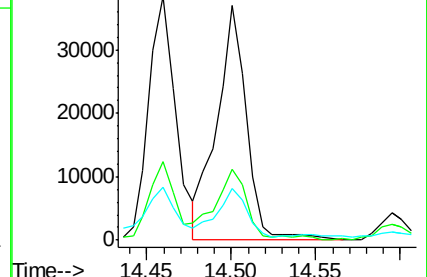
229 22.0 15.8 23.6

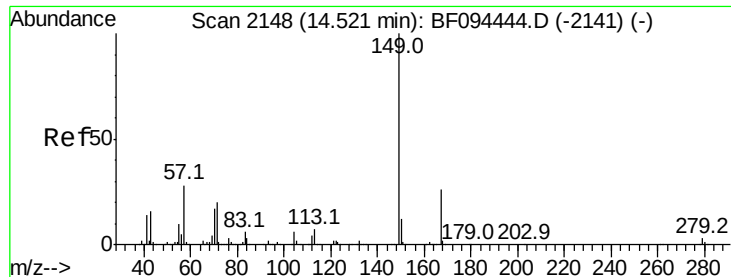


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

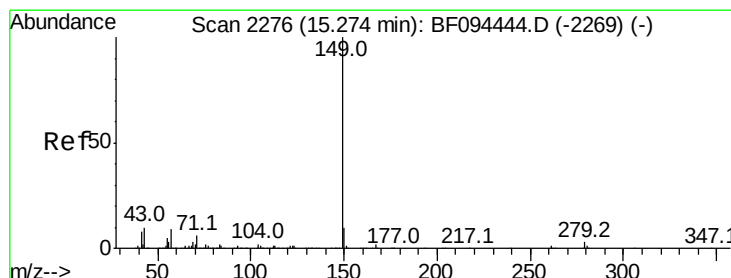
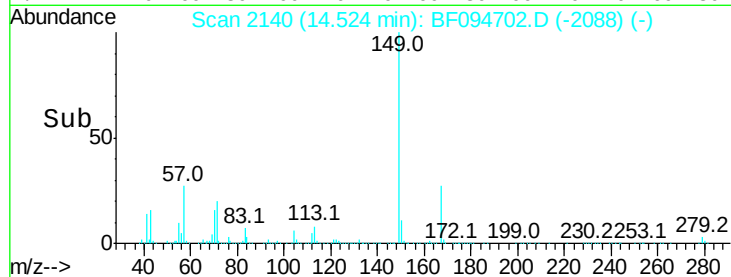
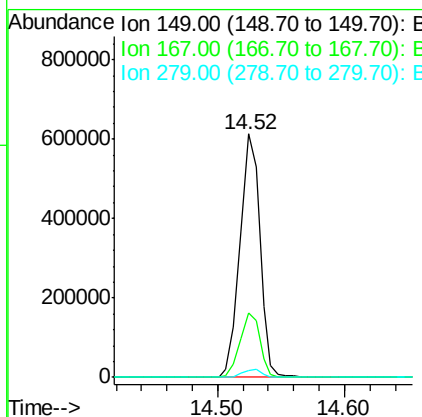
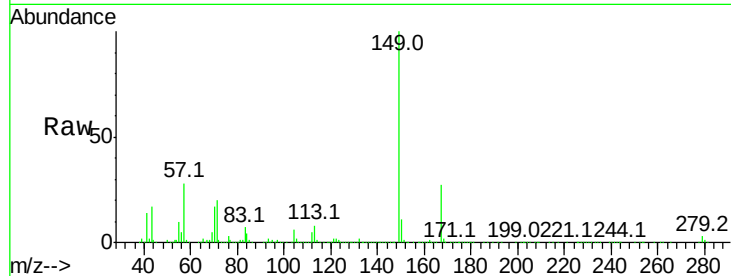




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 70.56 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

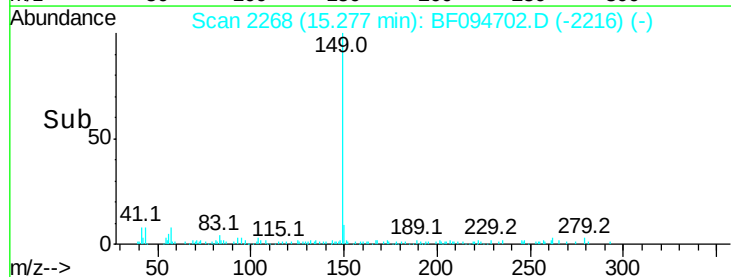
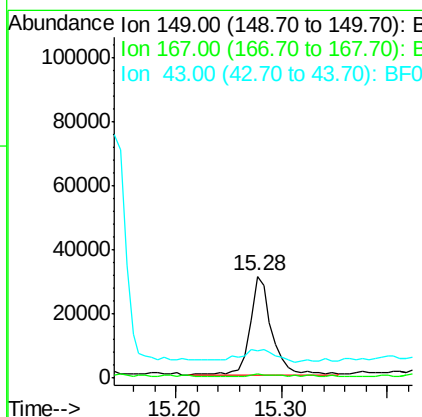
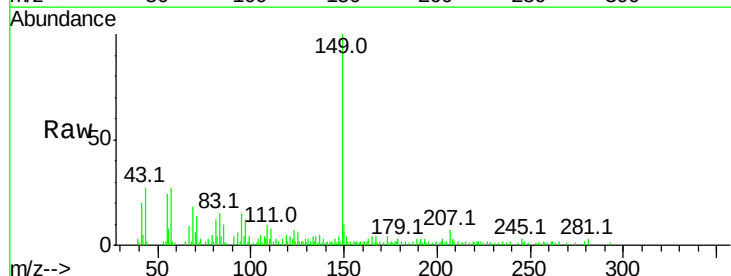
Instrument :
 BNA_F
 ClientSampleId :

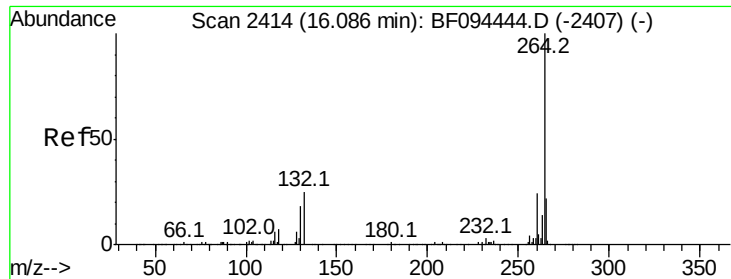
Tot Ion:149 Resp: 665910
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.0 31.4
 279 2.9 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 2.73 ng
 RT: 15.28 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Tgt Ion:149 Resp: 43217
 Ion Ratio Lower Upper
 149 100
 167 2.0 1.2 1.8#
 43 20.5 8.5 12.7#

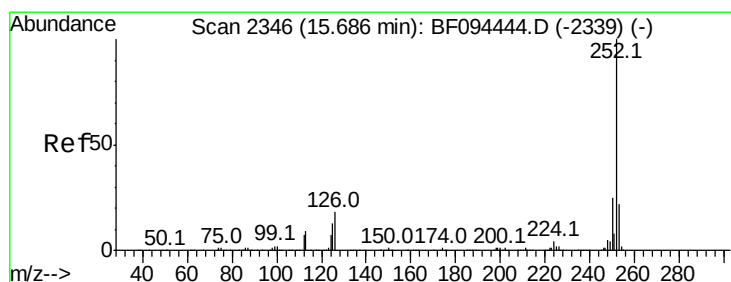
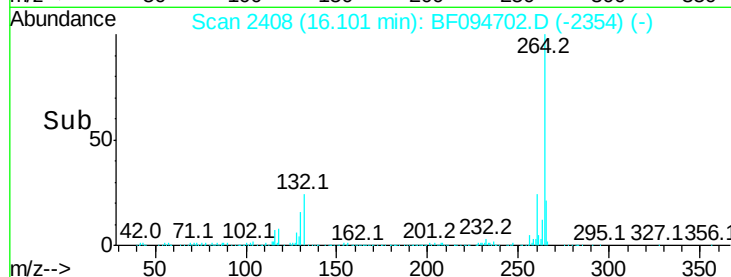
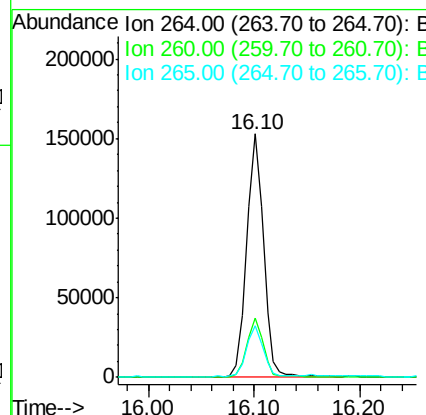
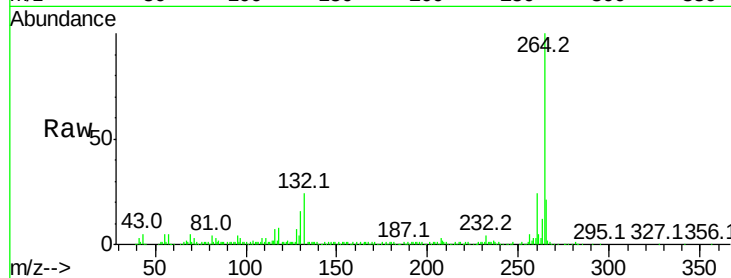




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

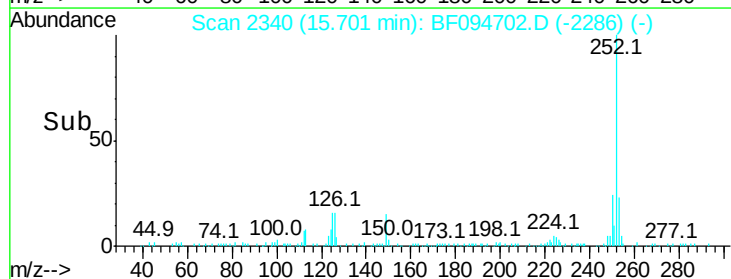
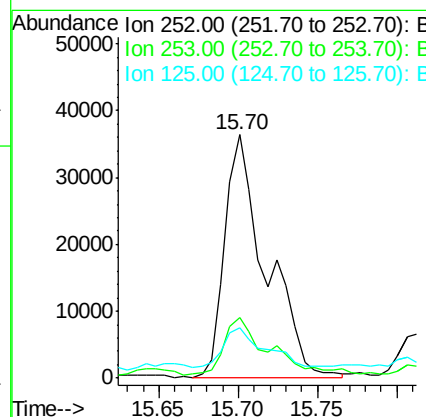
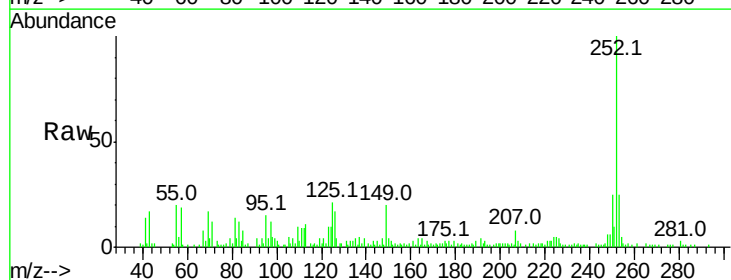
Instrument :
BNA_F
ClientSampleId :

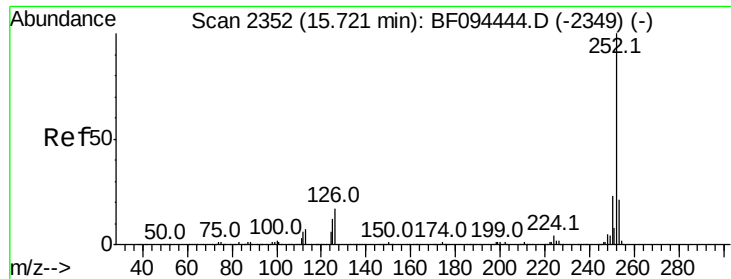
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 6.41 ng
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	20.7	9.8	14.8

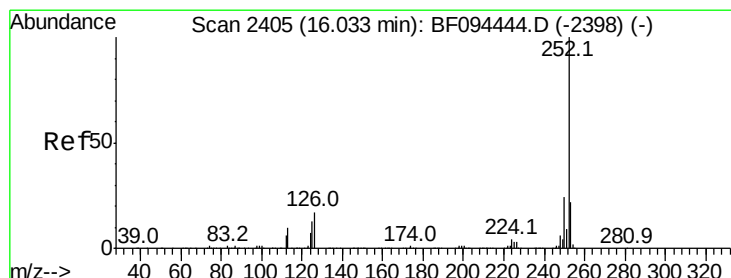
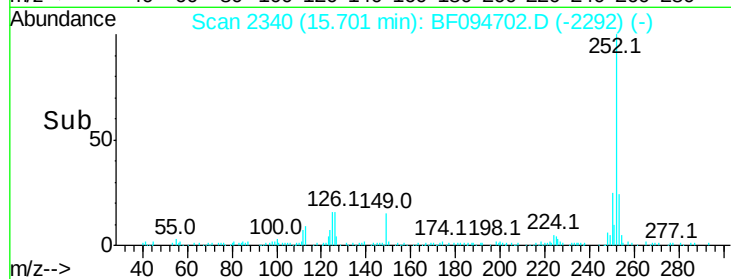
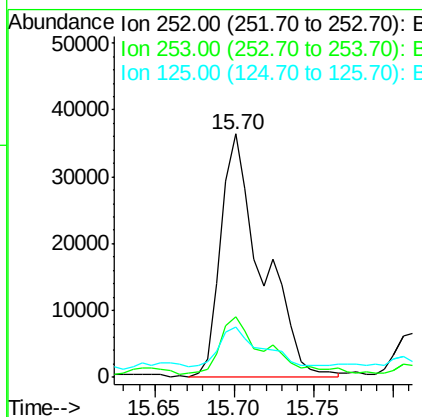
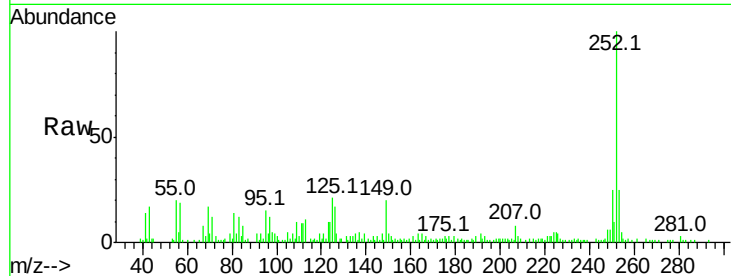




#88
Benzo(k)fluoranthene
Concen: 6.77 ng
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

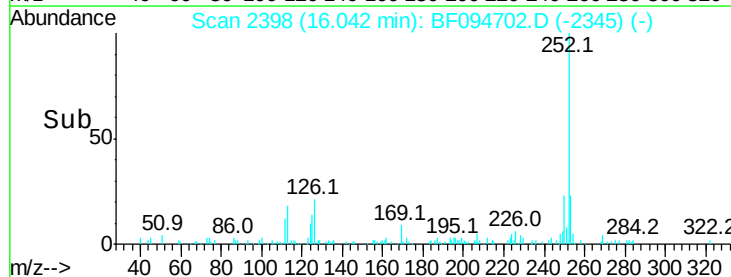
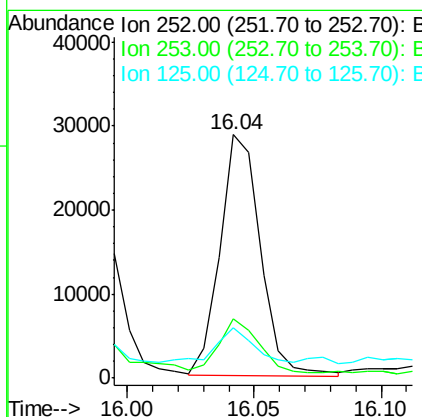
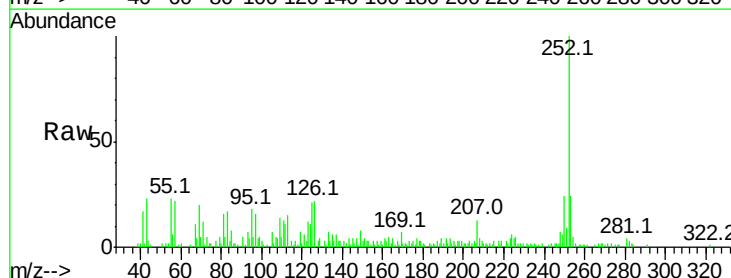
Instrument :
BNA_F
ClientSampleId :

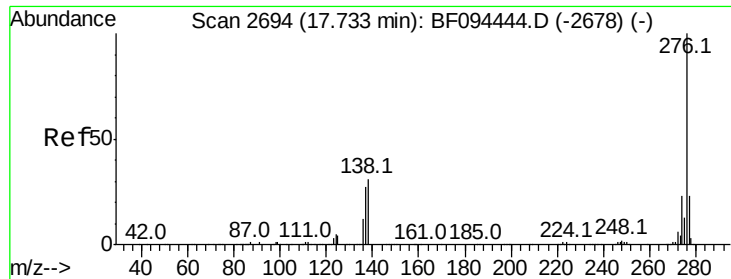
Tot Ion:252 Resp: 66263
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 20.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.31 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094702.D
Acq: 28 Apr 2017 23:41

Tgt Ion:252 Resp: 31891
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 20.6 11.0 16.4#

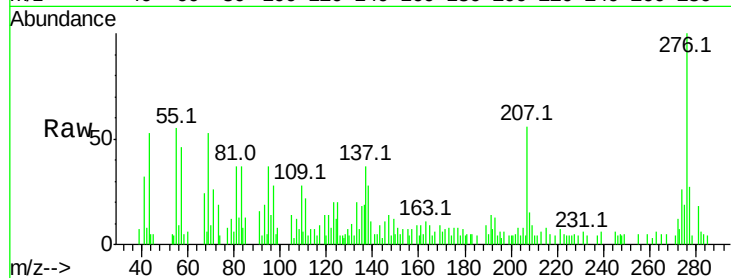




#91
 Benzo(a,h,i)perylene
 Concen: 2.39 ng
 RT: 17.77 min Scan# 2692
 Delta R.T. 0.04 min
 Lab File: BF094702.D
 Acq: 28 Apr 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.5	18.6	28.0	
138	28.3	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

