

Data File : BF093222.D
Acq On : 27 Feb 2017 23:24
Operator : SJ/MA
Sample : I1997-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

Quant Time: Feb 27 23:55:07 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	170611	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	660546	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	304173	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	495244	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	354379	20.00	ng	-0.03
86) Perylene-d12	15.41	264	312583	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1106350	111.25	ng	-0.02
7) Phenol-d6	6.48	99	1473795	115.18	ng	-0.01
23) Nitrobenzene-d5	7.39	82	917639	77.36	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	216594	98.45	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1420345	84.60	ng	-0.03
78) Terphenyl-d14	12.93	244	959616	63.63	ng	-0.03

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	117738	14.45	ng	# 76
25) Isophorone	7.39	82	892356	40.37	ng	# 65
32) Benzoic acid	7.92	122	279	7.21	ng	# 1
49) Dimethylphthalate	9.57	163	464800	22.69	ng	99
56) 2,4-Dinitrotoluene	9.86	165	40806	6.93	ng	# 20
57) Fluorene	10.41	166	47076	2.57	ng	98
64) 4,6-Dinitro-2-methylphenol	10.65	198	551	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	16313	3.15	ng	# 1
70) Phenanthrene	11.37	178	601216	21.19	ng	97
71) Anthracene	11.41	178	129787	4.55	ng	97
74) Fluoranthene	12.56	202	590863	20.19	ng	95
77) Pyrene	12.79	202	580963	21.91	ng	99
80) Benzo(a)anthracene	13.97	228	291024	13.43	ng	99
82) Chrysene	14.01	228	170368	8.40	ng	96
85) Indeno(1,2,3-cd)pyrene	16.80	276	98270	6.25	ng	95
87) Benzo(b)fluoranthene	15.00	252	327576	15.92	ng	96
88) Benzo(k)fluoranthene	15.00	252	327576	18.44	ng	# 95
89) Benzo(a)pyrene	15.35	252	190298	10.69	ng	# 97
91) Benzo(g,h,i)perylene	17.22	276	101219	6.97	ng	# 92

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

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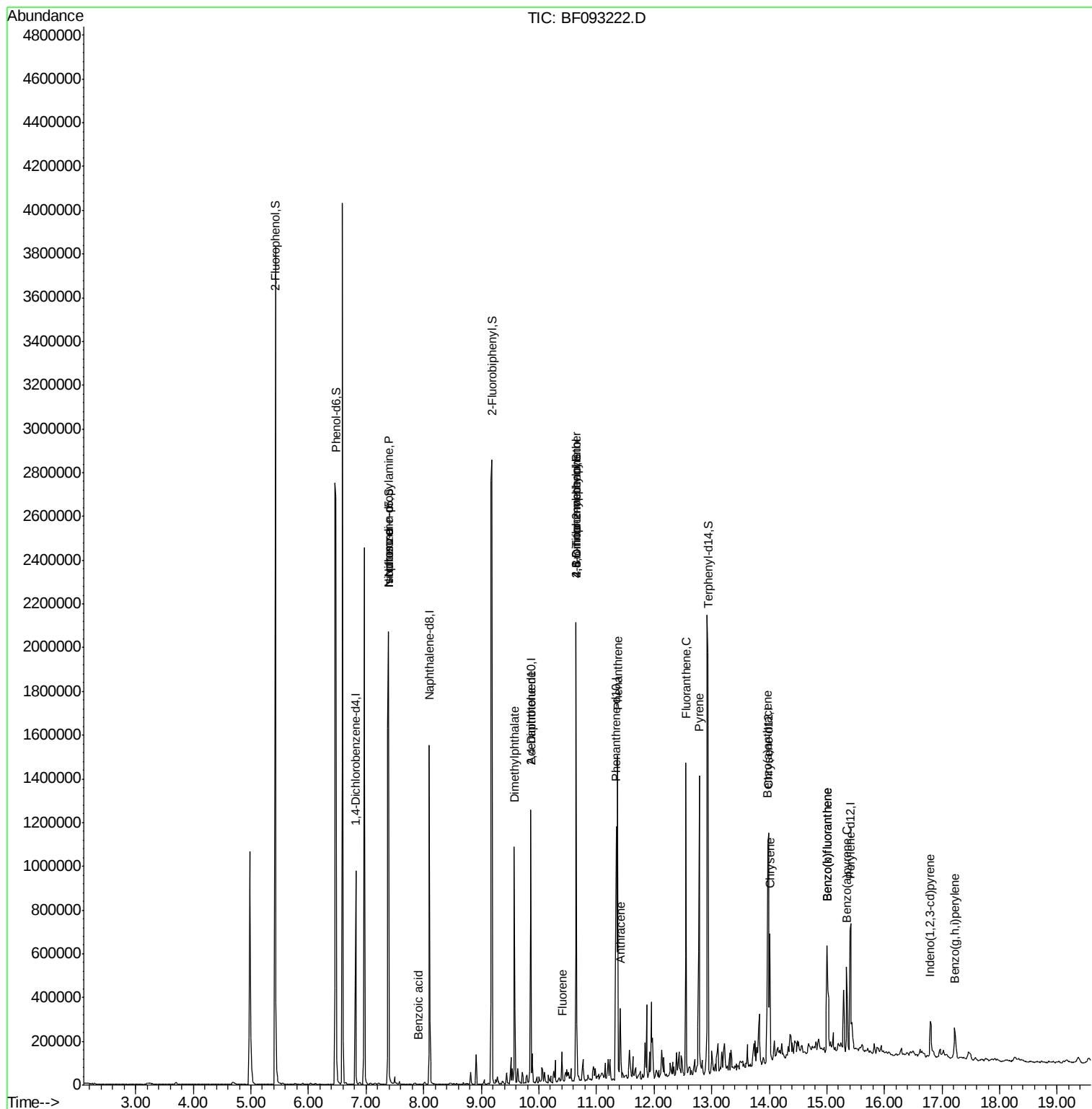
Quant Time: Feb 27 23:55:07 2017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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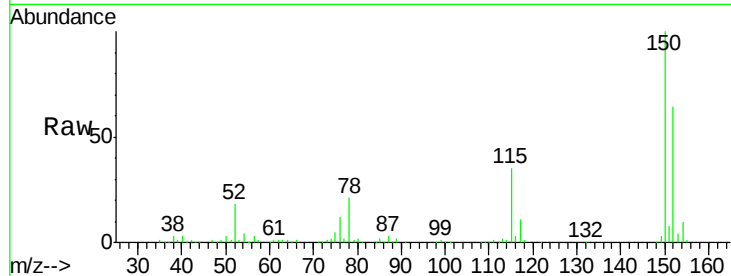


#1

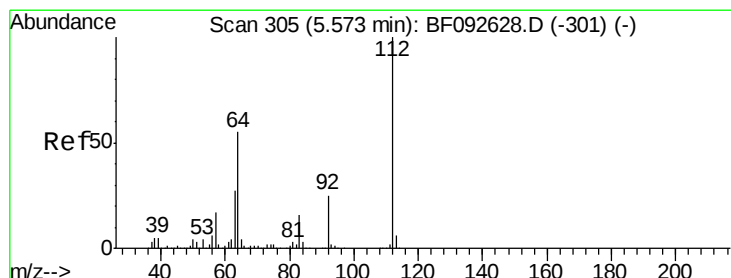
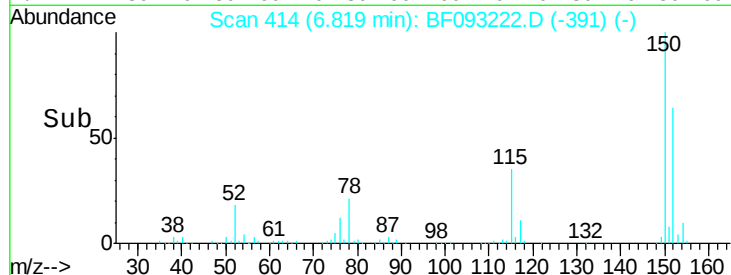
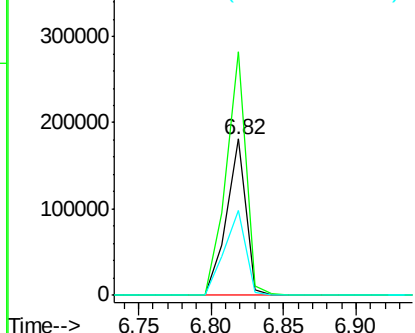
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

Tgt Ion:152 Resp: 170611
Ion Ratio Lower Upper
152 100
150 156.0 124.9 187.3
115 54.8 46.0 69.0



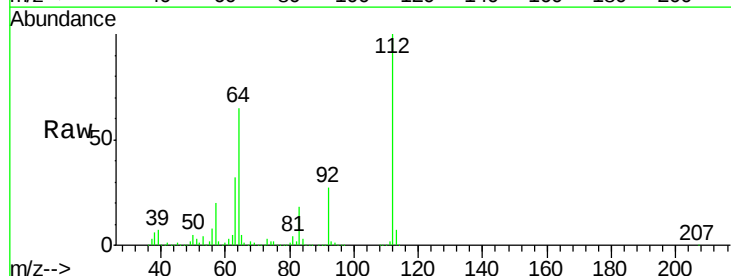
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



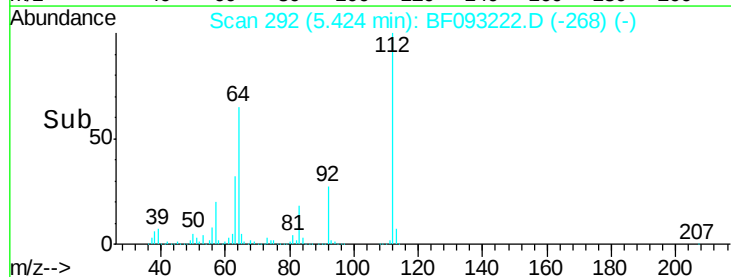
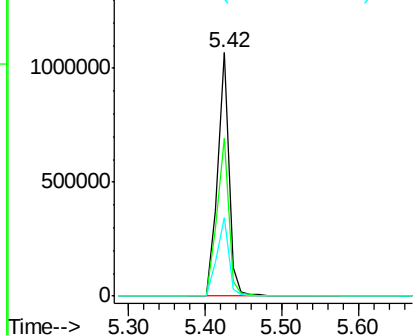
#5

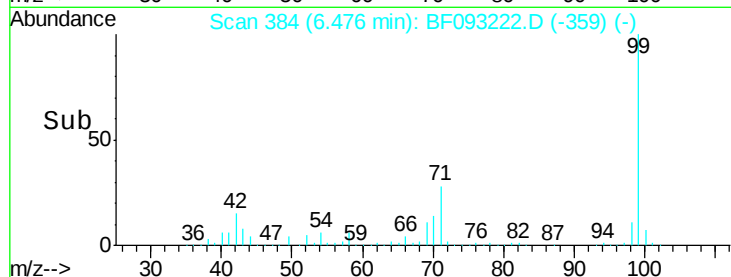
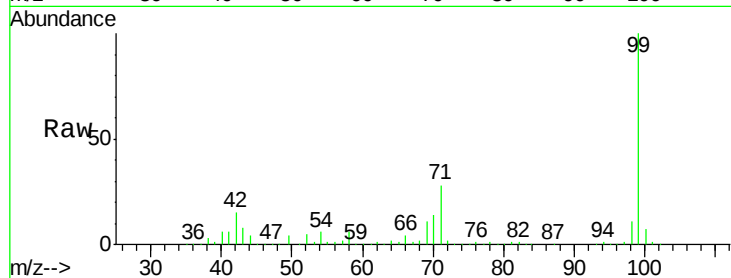
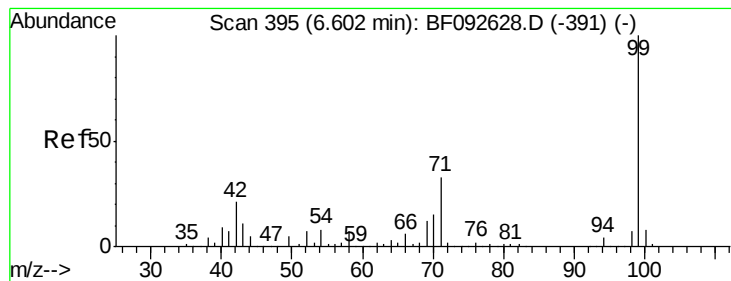
2-Fluorophenol
Concen: 111.25 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:112 Resp: 1106350
Ion Ratio Lower Upper
112 100
64 64.6 46.1 69.1
63 32.1 23.8 35.6



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: 115.18 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-1

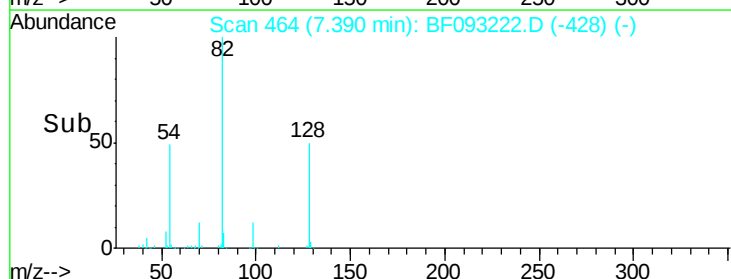
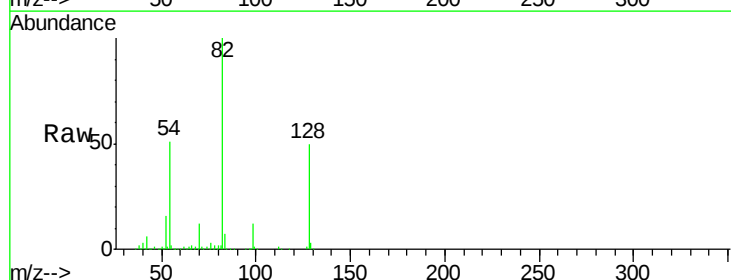
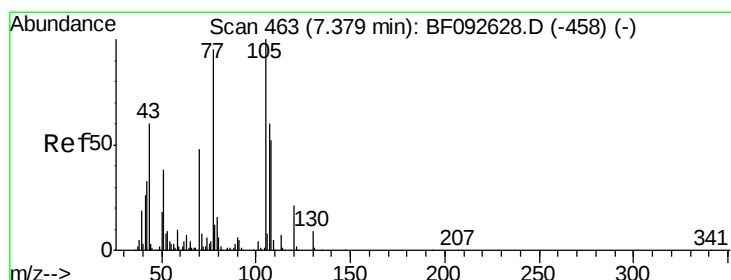
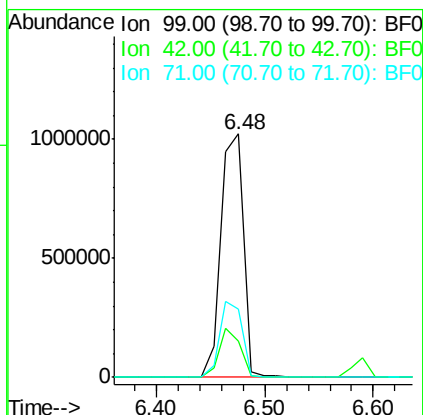
Tgt Ion: 99 Resp: 1473795

Ion Ratio Lower Upper

99 100

42 15.0 15.6 23.4#

71 28.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.45 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.11 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Tgt Ion: 70 Resp: 117738

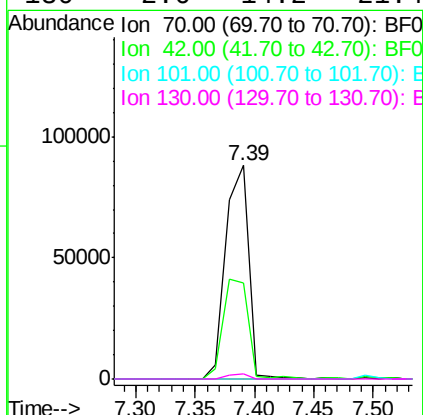
Ion Ratio Lower Upper

70 100

42 45.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#

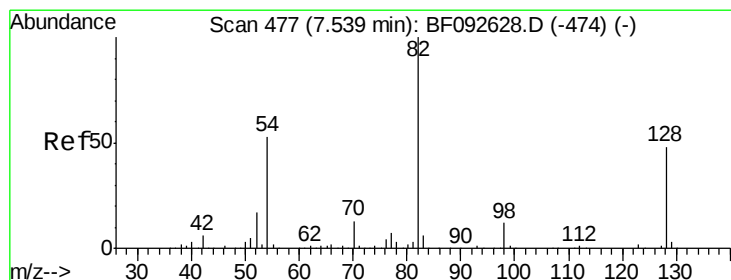
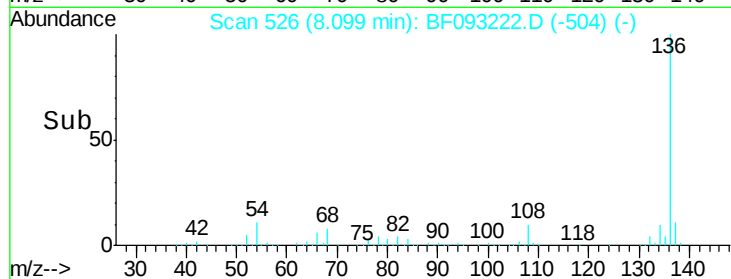
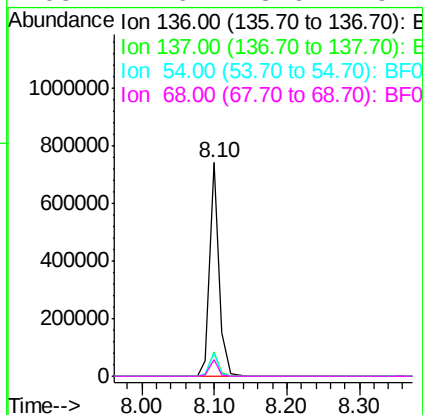
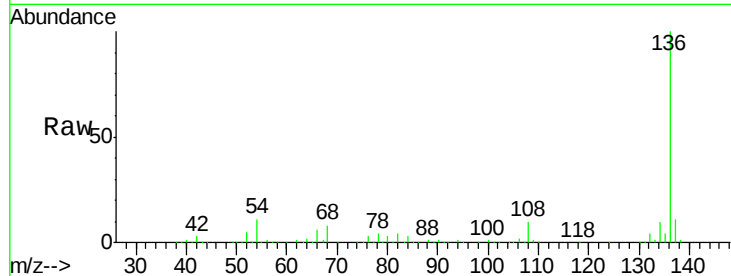




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

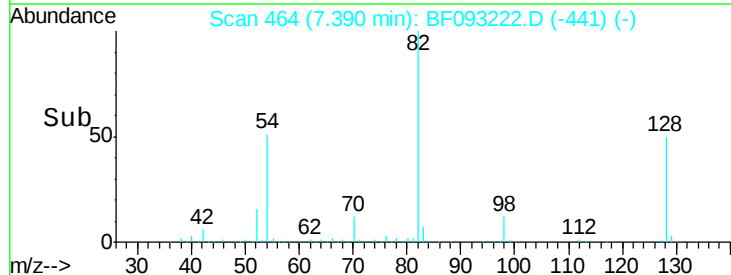
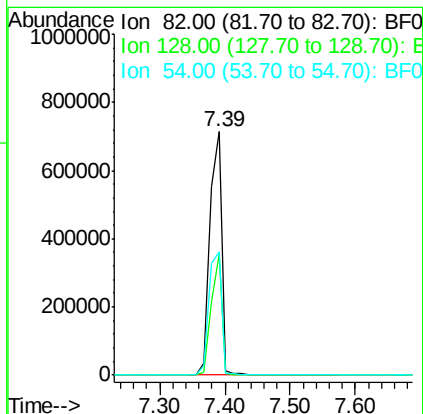
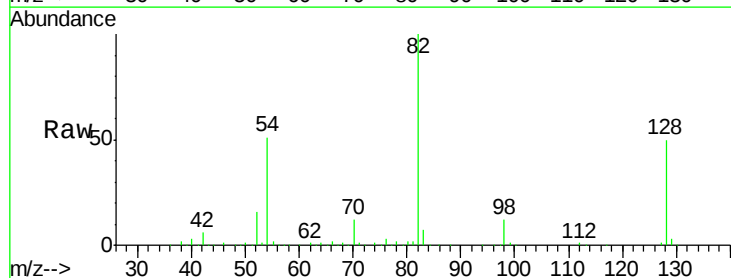
Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

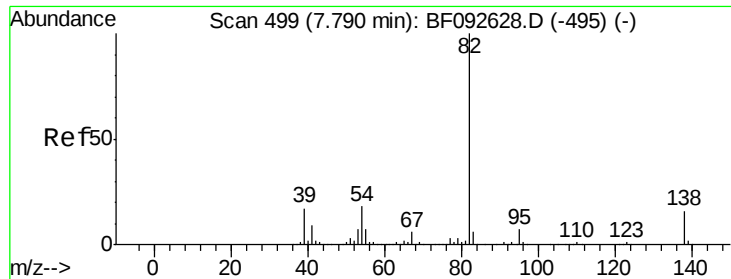
Tgt Ion:	136	Resp:	660546
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	10.8	4.5	6.7#
68	7.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 77.36 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:	82	Resp:	917639
Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.6	52.0
54	50.6	39.5	59.3





#25

Isophorone

Concen: 40.37 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.30 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-1

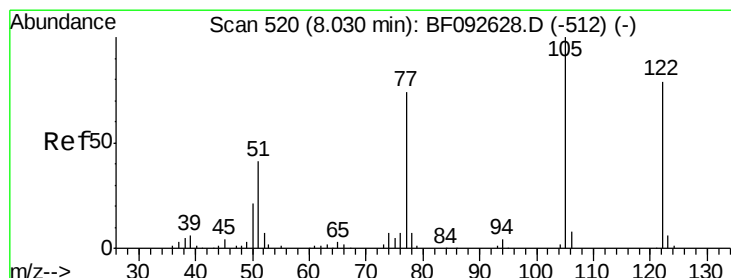
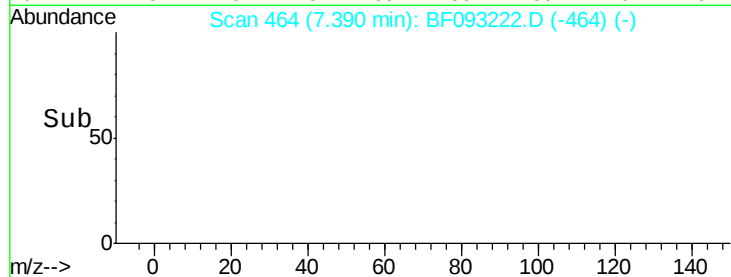
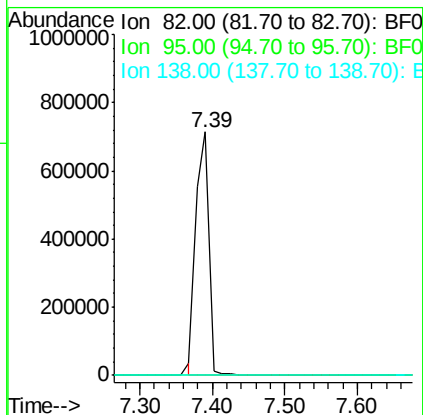
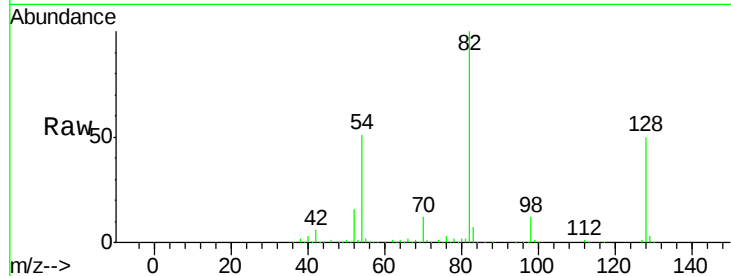
Tgt Ion: 82 Resp: 892356

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 7.21 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

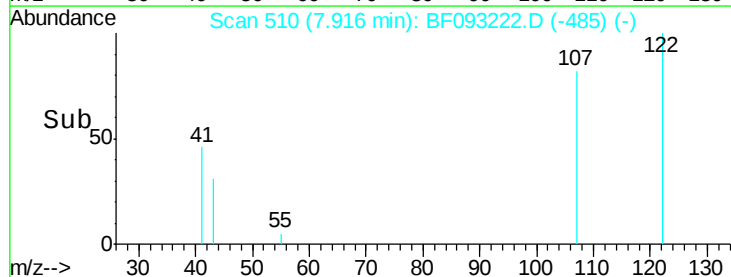
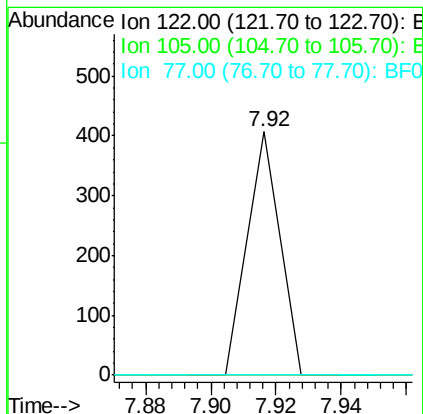
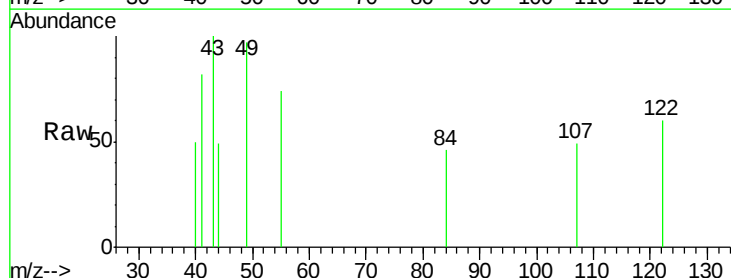
Tgt Ion: 122 Resp: 279

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

77 0.0 74.5 114.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-1

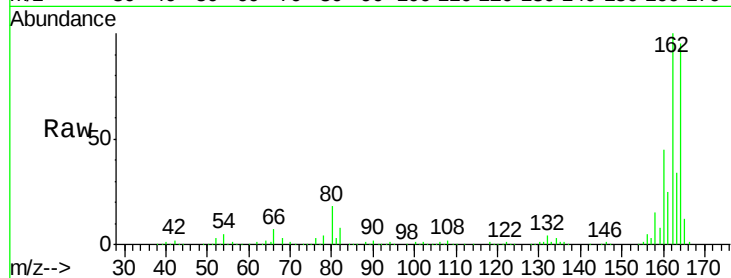
Tgt Ion:164 Resp: 304173

Ion Ratio Lower Upper

164 100

162 105.5 80.2 120.2

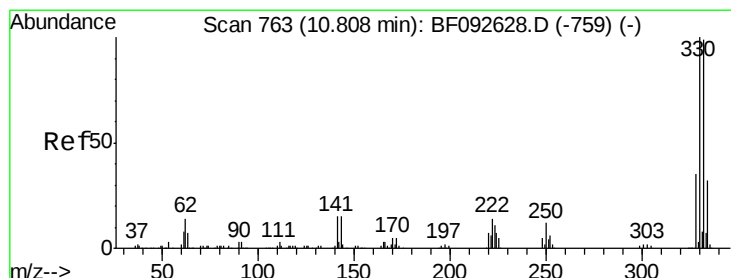
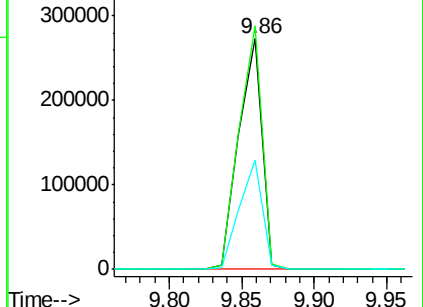
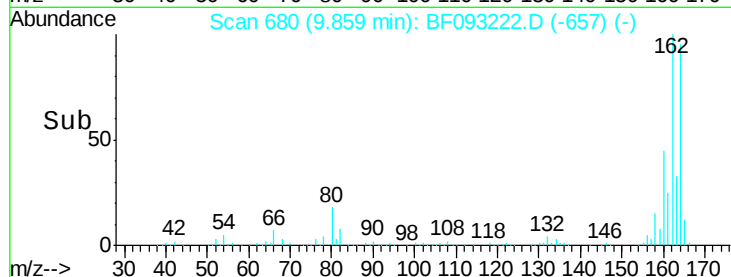
160 47.4 36.9 55.3



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: 98.45 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

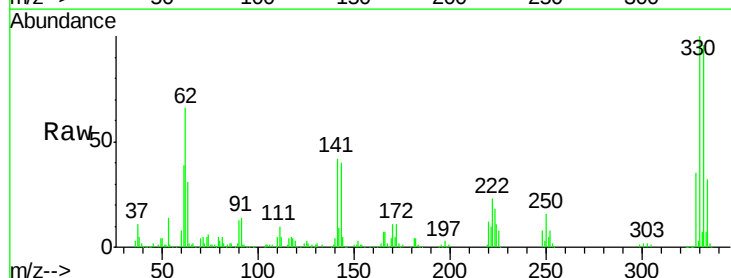
Tgt Ion:330 Resp: 216594

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

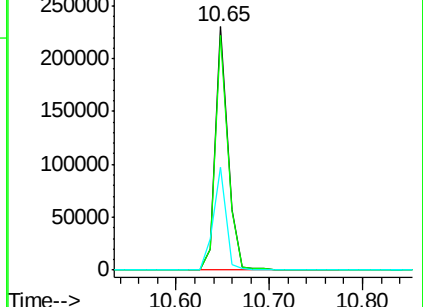
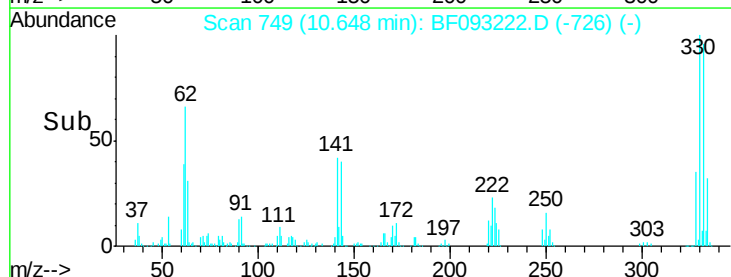
141 42.7 34.1 51.1

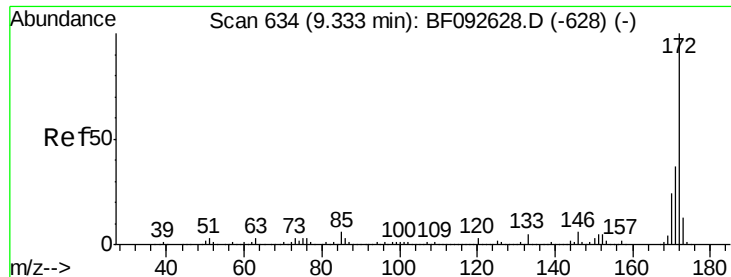


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

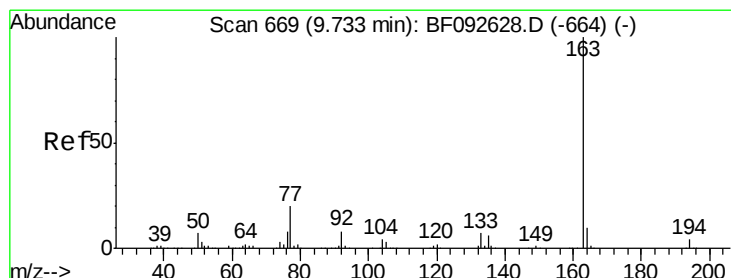
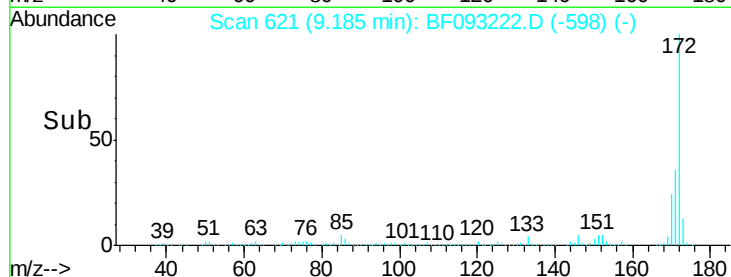
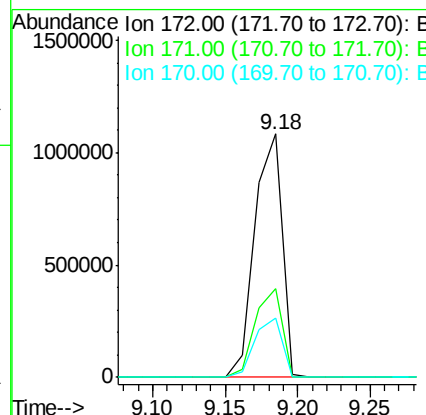
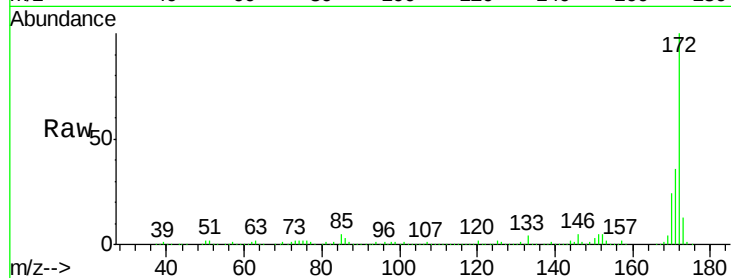




#44
2-Fluorobiphenyl
Concen: 84.60 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

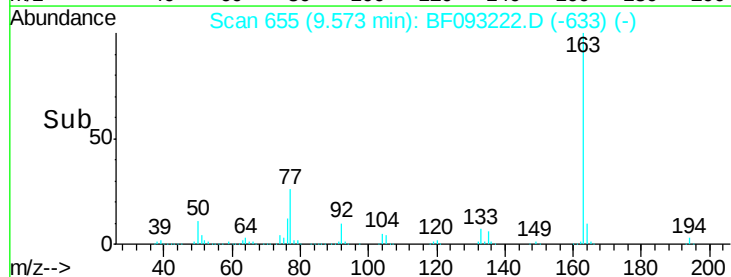
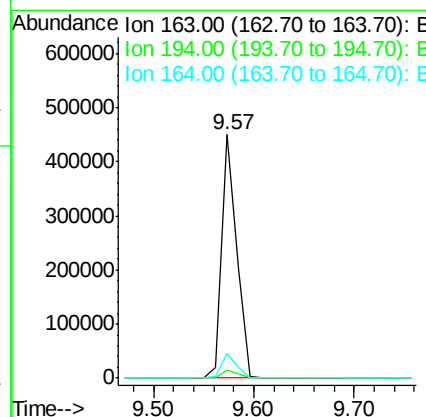
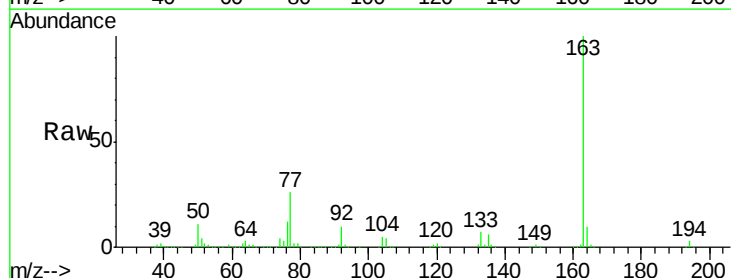
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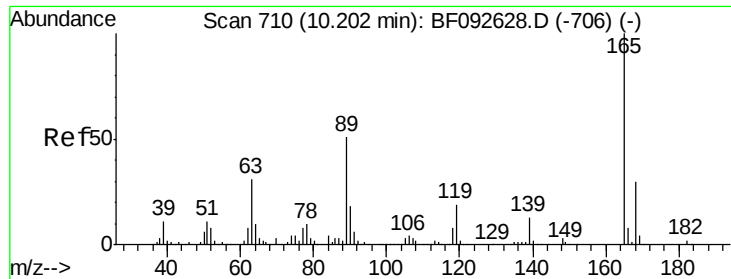
Tgt Ion:172 Resp: 1420345
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.4 20.2 30.4



#49
Dimethylphthalate
Concen: 22.69 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:163 Resp: 464800
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.3 8.0 12.0

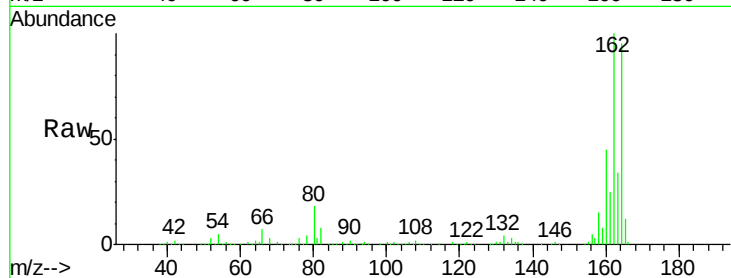




#56
 2,4-Dinitrotoluene
 Concen: 6.93 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.23 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-1

Tgt Ion:	165	Resp:	40806
Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

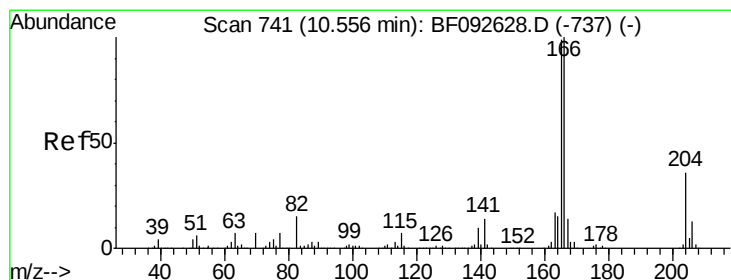
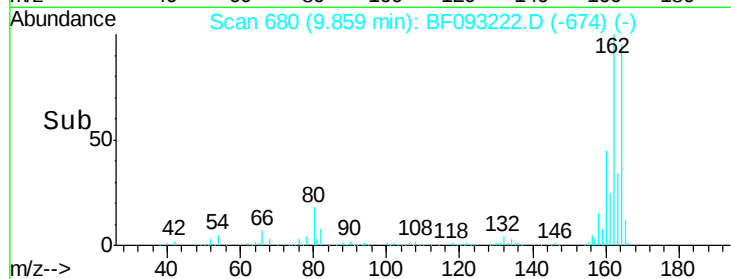
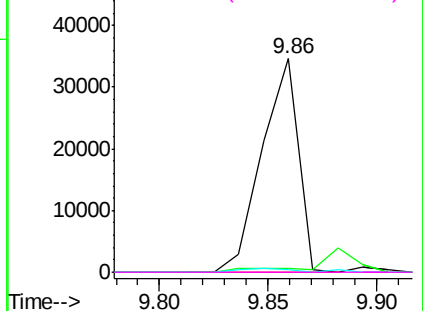


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

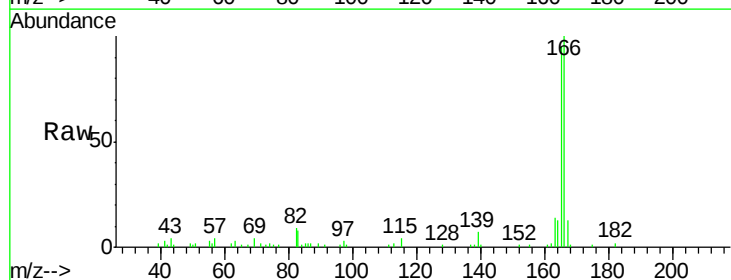
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 2.57 ng
 RT: 10.41 min Scan# 728
 Delta R.T. -0.03 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

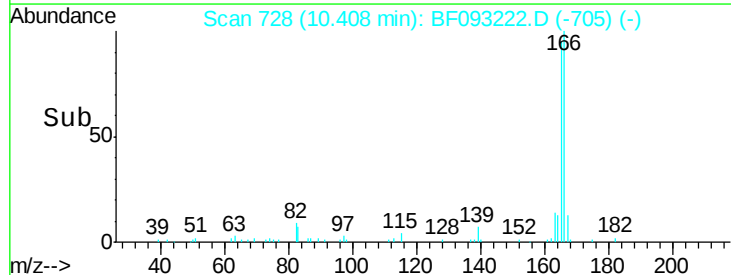
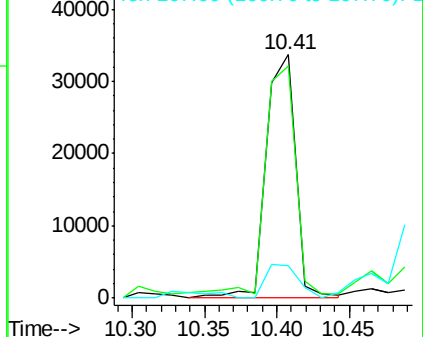
Tgt Ion:	166	Resp:	47076
Ion	Ratio	Lower	Upper
166	100		
165	95.1	77.8	116.8
167	13.2	10.8	16.2

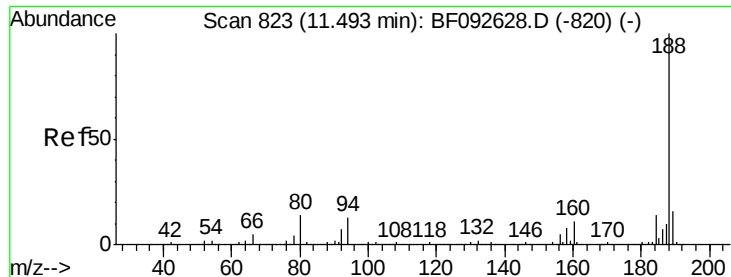


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

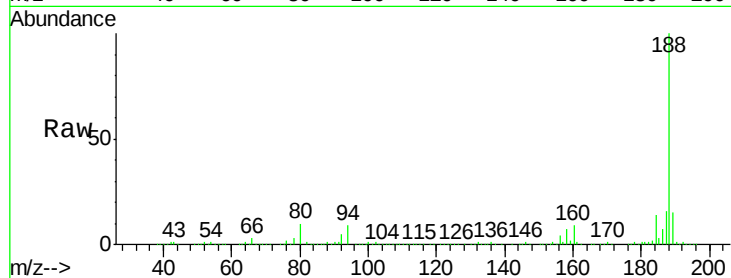




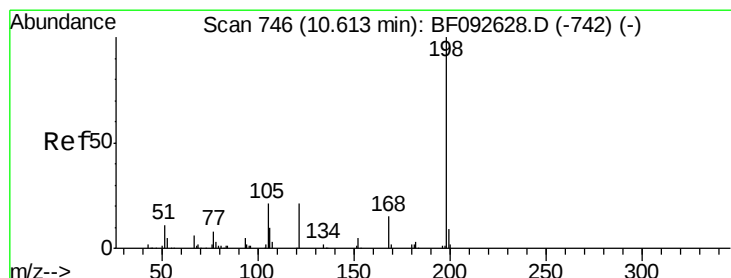
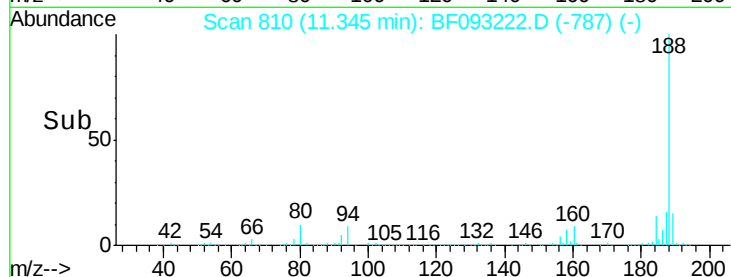
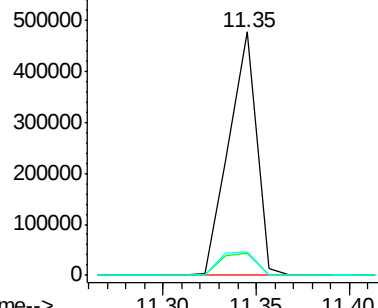
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

Tgt Ion:188 Resp: 495244
Ion Ratio Lower Upper
188 100
94 9.0 10.0 15.0#
80 9.6 11.2 16.8#

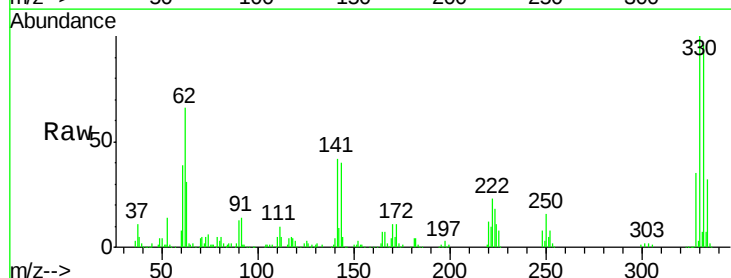


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

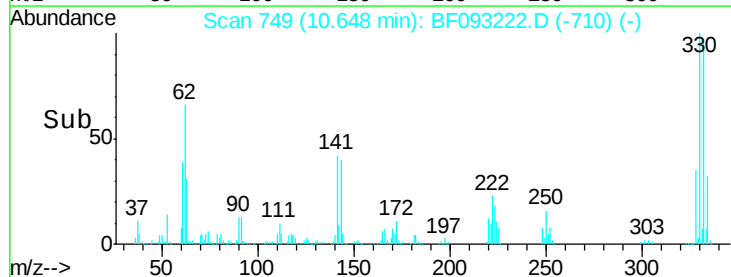
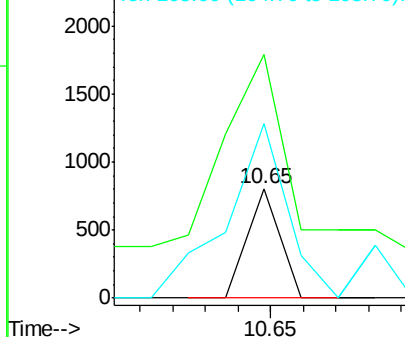


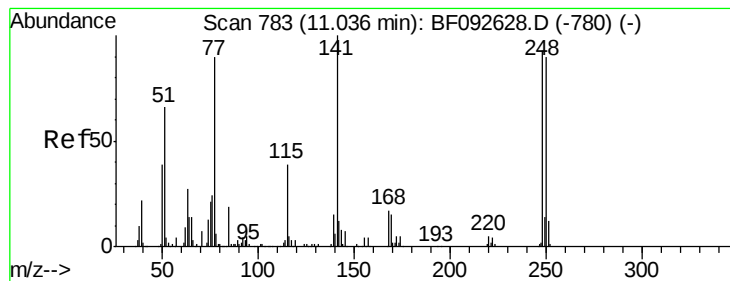
#64
4,6-Dinitro-2-methylphenol
Concen: 2.84 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.15 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:198 Resp: 551
Ion Ratio Lower Upper
198 100
51 222.6 6.7 46.7#
105 159.6 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.15 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-1

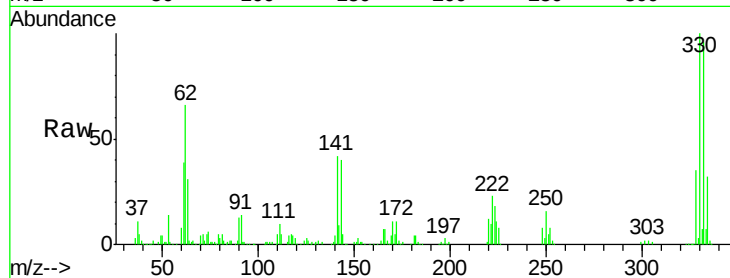
Tgt Ion:248 Resp: 16313

Ion Ratio Lower Upper

248 100

250 197.9 76.9 115.3#

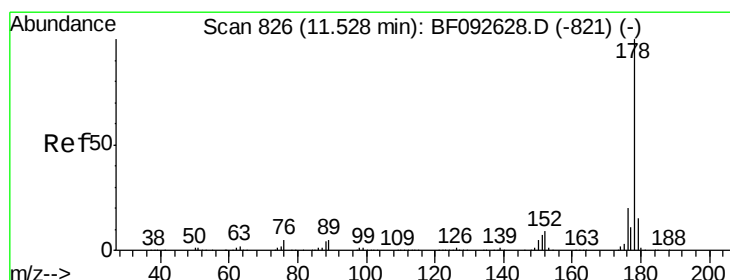
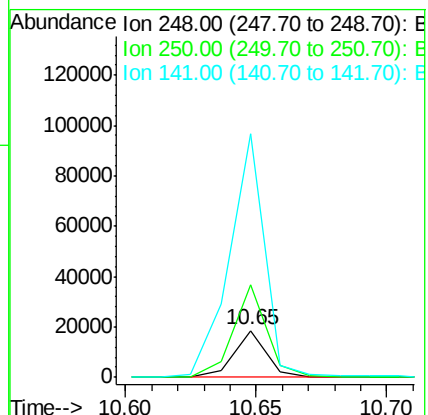
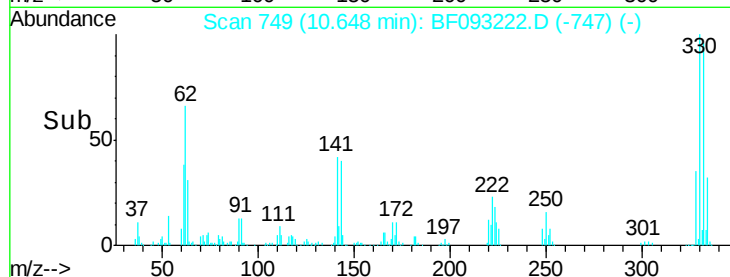
141 519.4 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 21.19 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

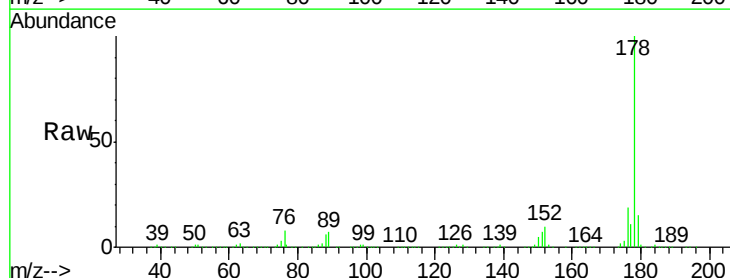
Tgt Ion:178 Resp: 601216

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

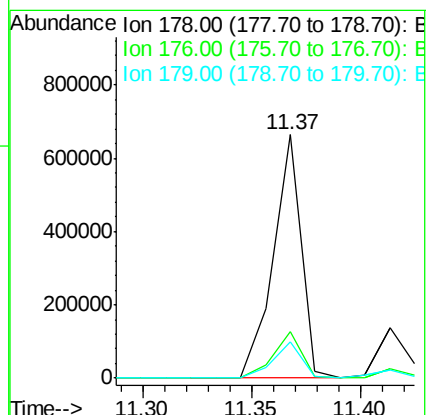
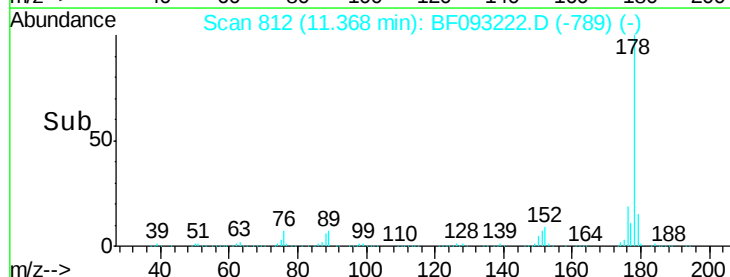
179 15.0 12.8 19.2

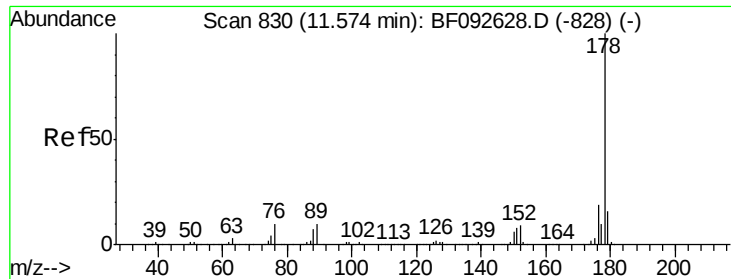


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

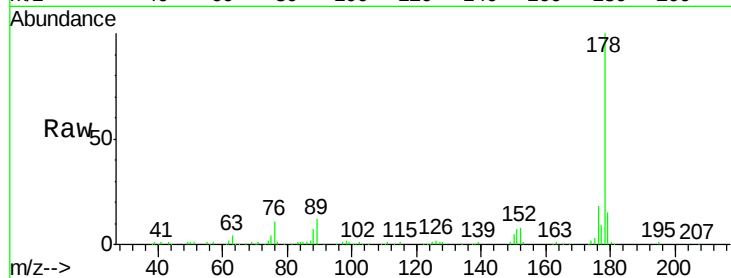




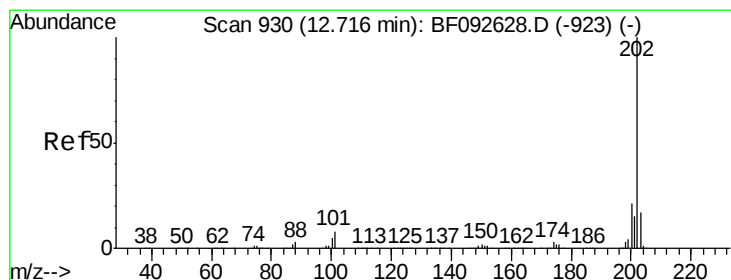
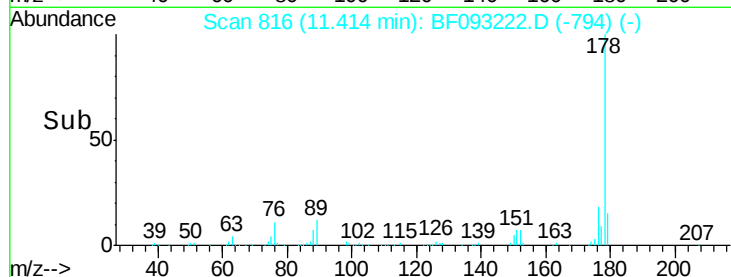
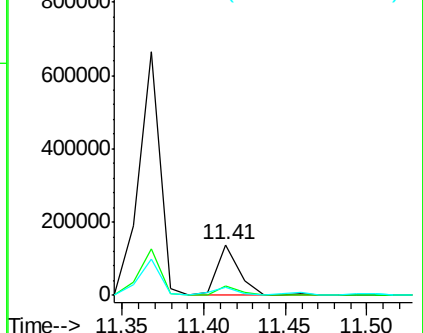
#71
 Anthracene
 Concen: 4.55 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.05 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-1

Tgt Ion:178 Resp: 129787
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.9 23.9
 179 15.3 13.2 19.8

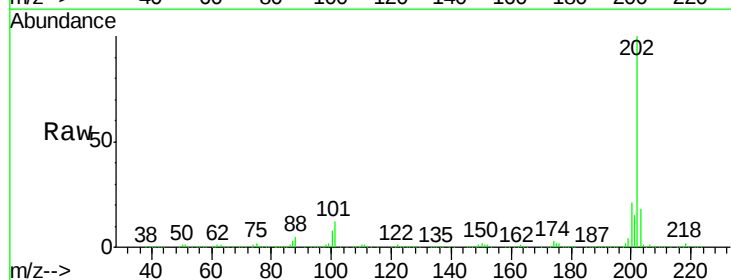


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

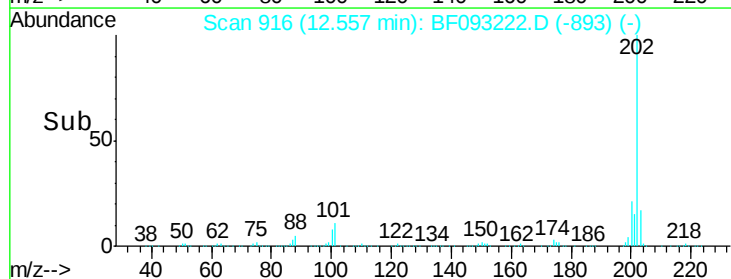
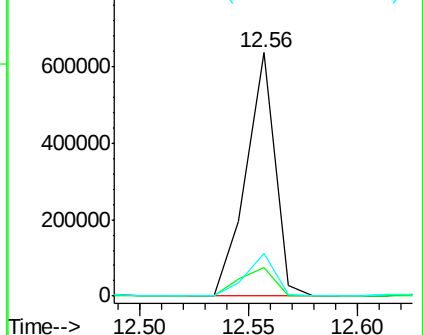


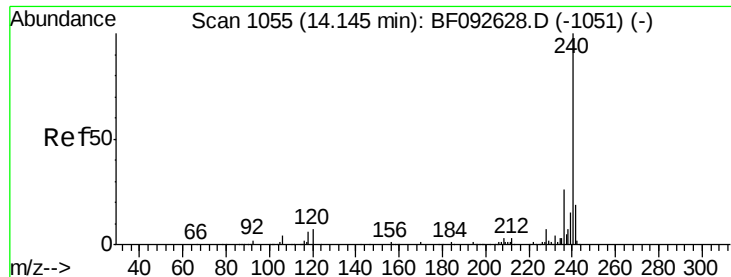
#74
 Fluoranthene
 Concen: 20.19 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Tgt Ion:202 Resp: 590863
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 34.6
 203 17.5 0.0 38.7



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

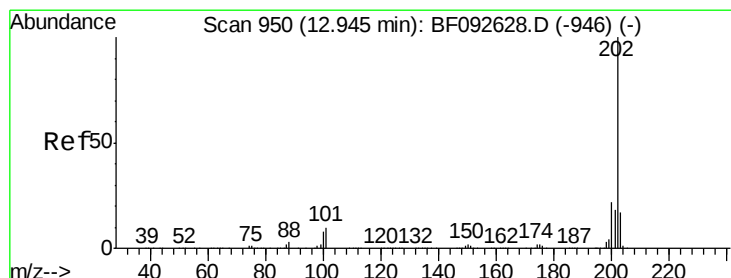
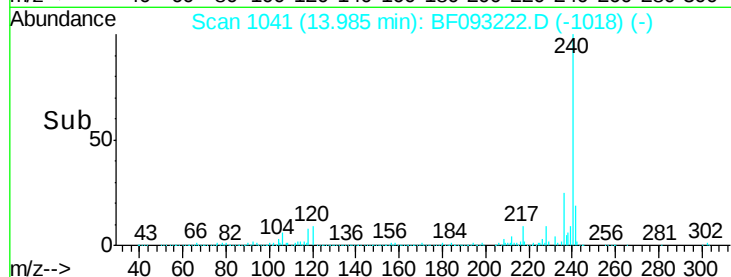
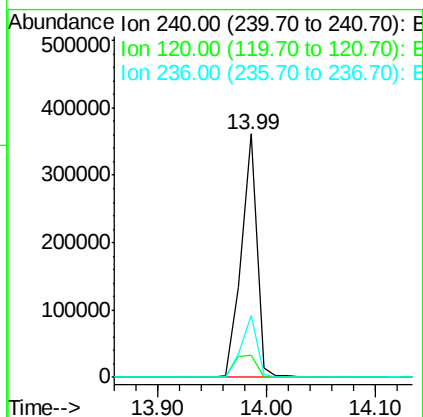
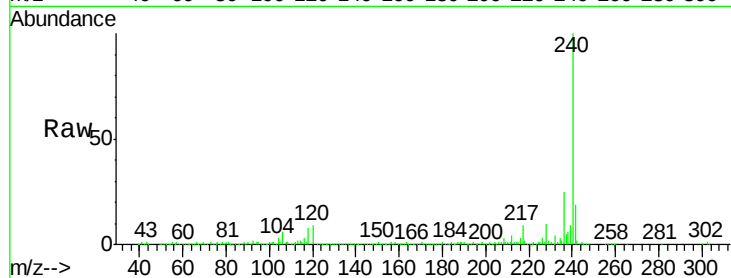




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

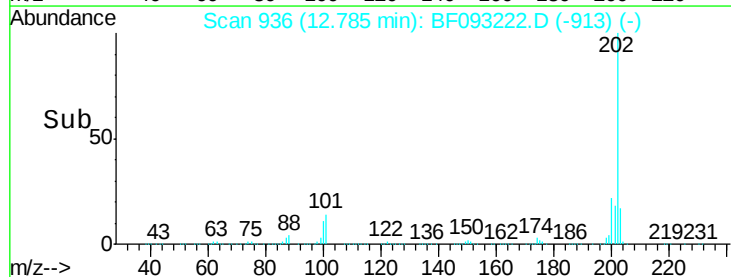
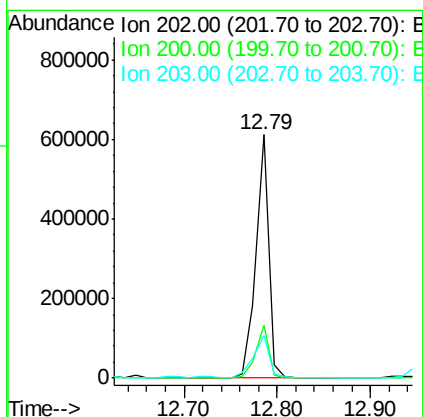
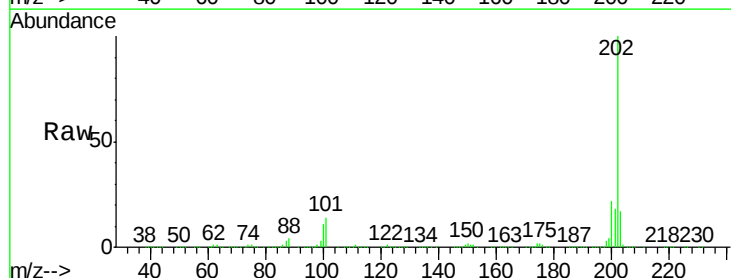
Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

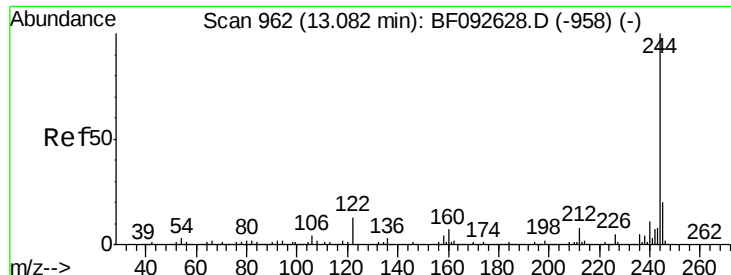
Tgt Ion:240 Resp: 354379
Ion Ratio Lower Upper
240 100
120 9.0 12.9 19.3#
236 25.2 20.9 31.3



#77
Pyrene
Concen: 21.91 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:202 Resp: 580963
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 17.4 14.7 22.1

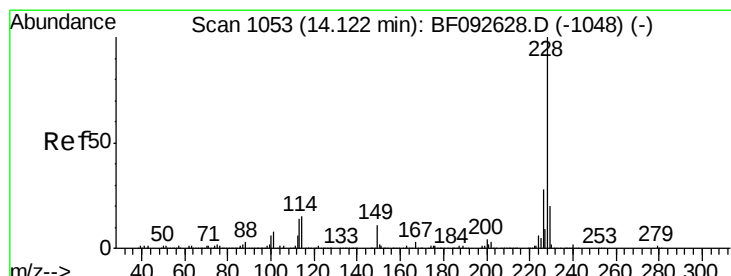
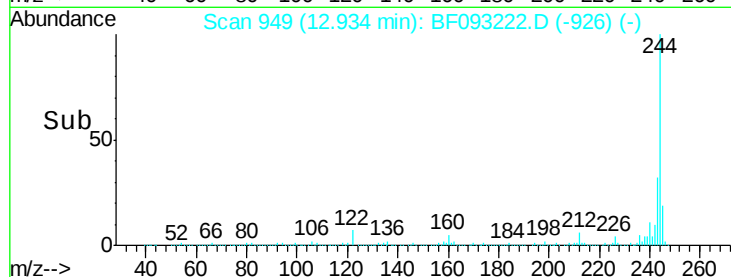
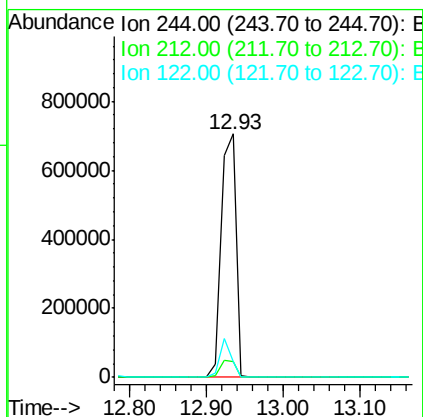
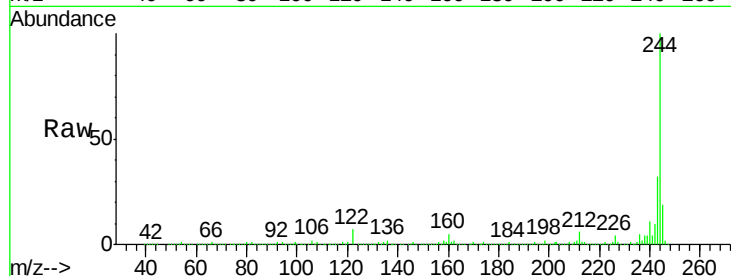




#78
 Terphenyl-d14
 Concen: 63.63 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

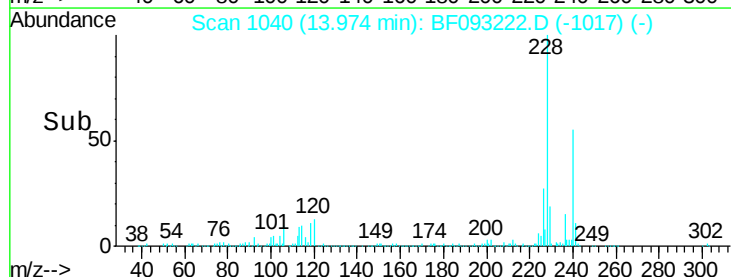
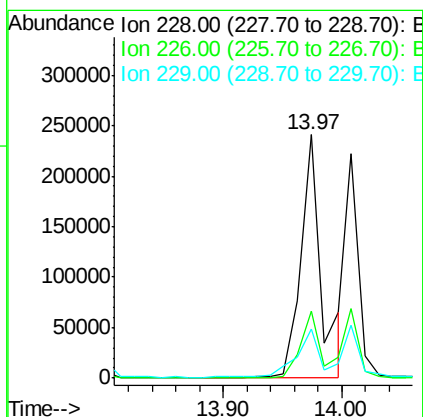
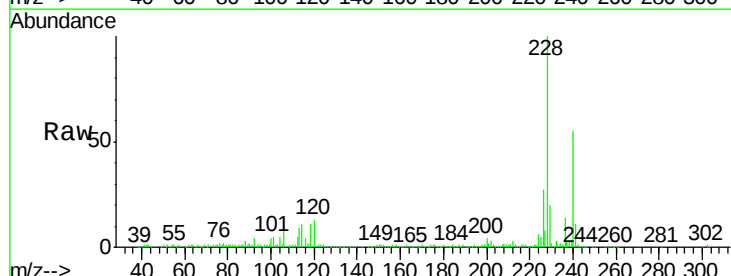
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-1

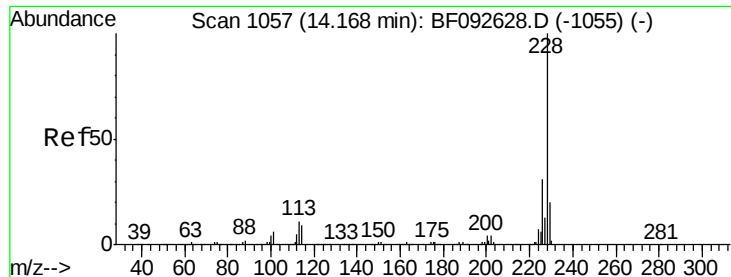
Tgt Ion:244 Resp: 959616
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.2 9.2
 122 6.6 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 13.43 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Tgt Ion:228 Resp: 291024
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 20.0 16.2 24.4





#82

Chrysene

Concen: 8.40 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-1

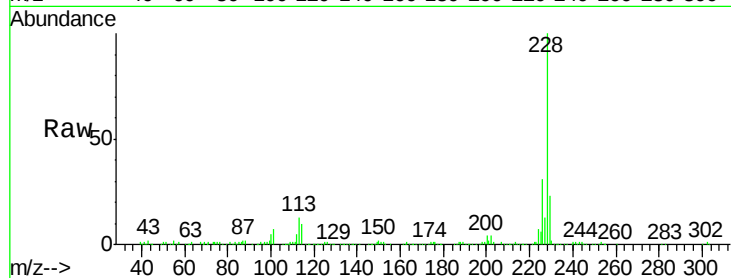
Tgt Ion:228 Resp: 170368

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

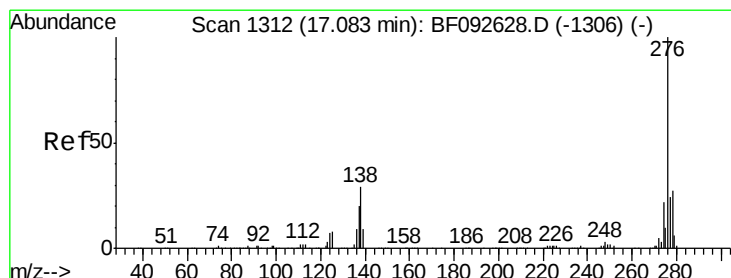
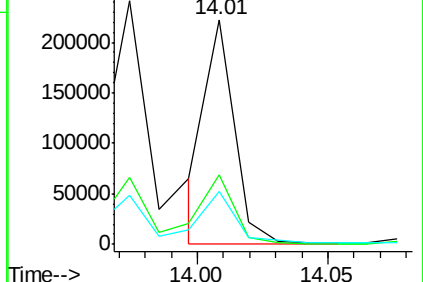
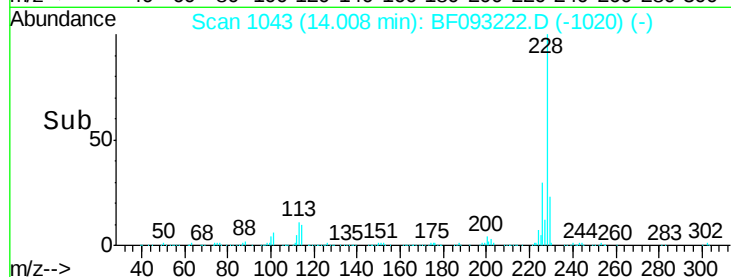
229 23.4 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.25 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.06 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

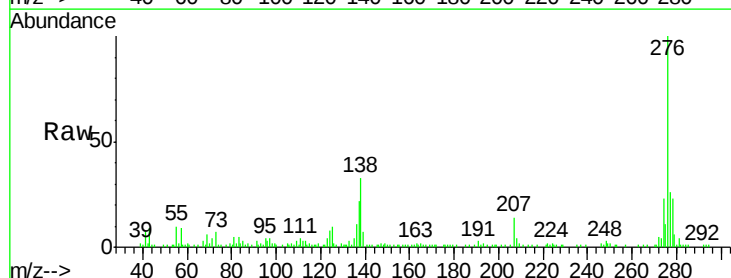
Tgt Ion:276 Resp: 98270

Ion Ratio Lower Upper

276 100

138 31.9 21.8 32.6

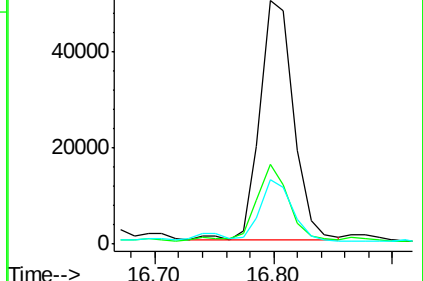
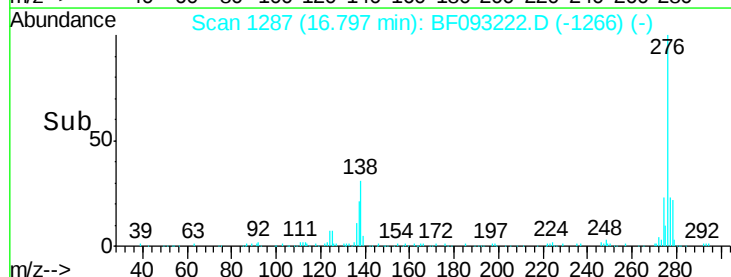
277 25.5 20.2 30.4

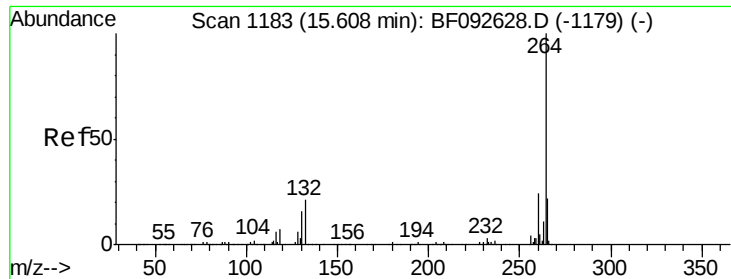


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

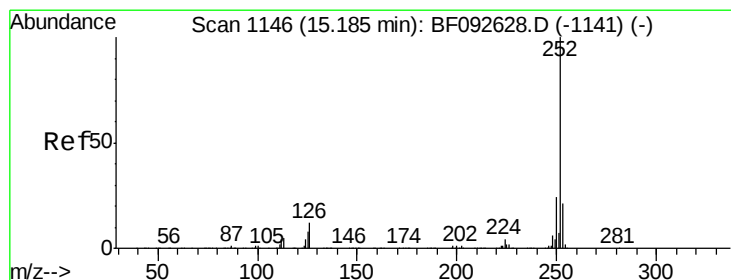
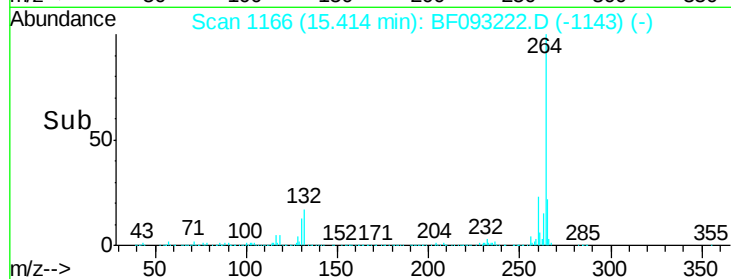
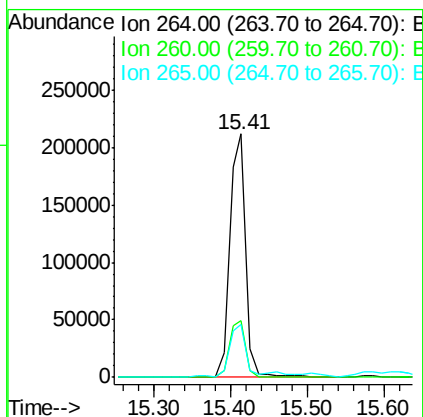
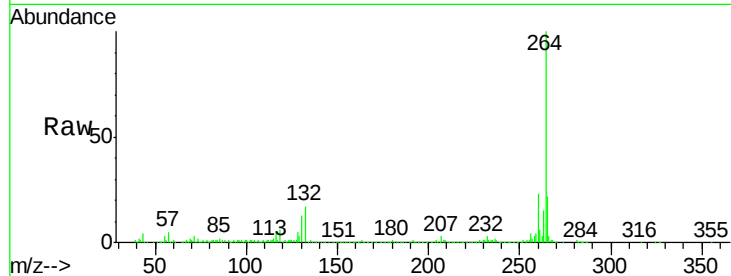




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

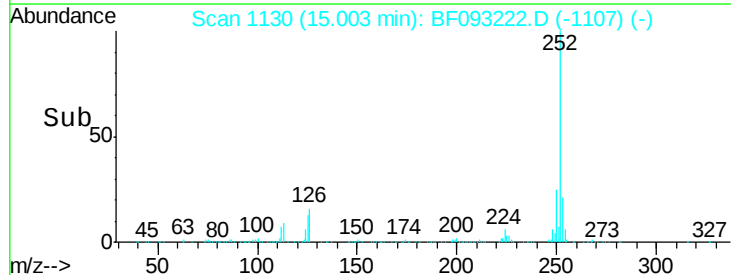
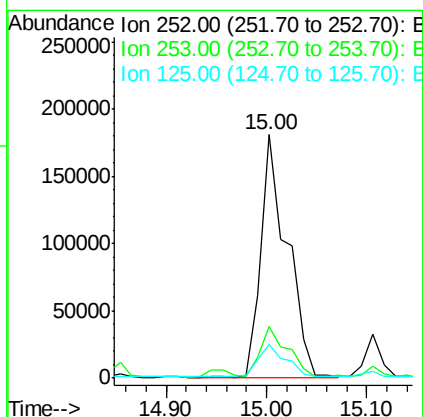
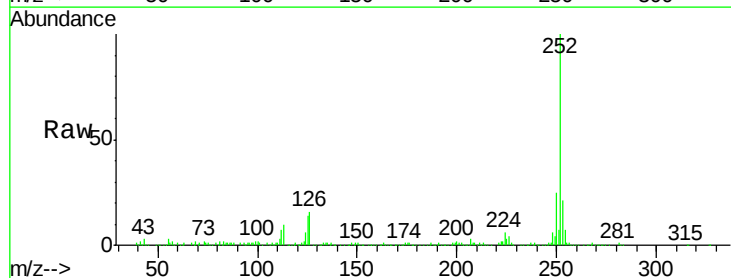
Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

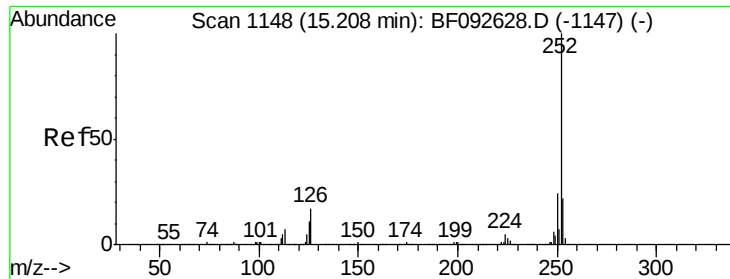
Tgt Ion:264 Resp: 312583
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 15.92 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:252 Resp: 327576
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.4
125 13.9 9.8 14.6

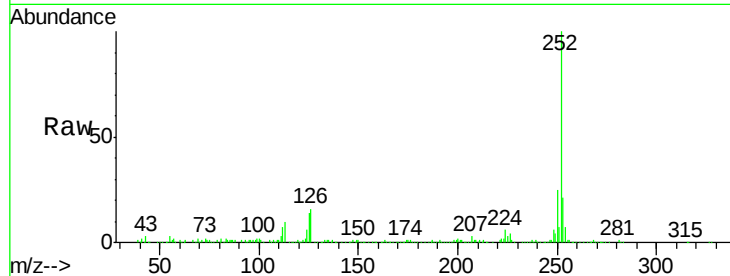




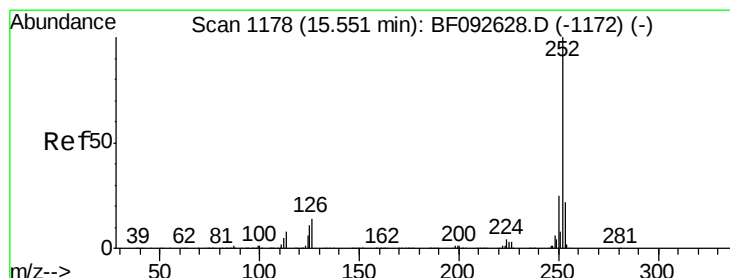
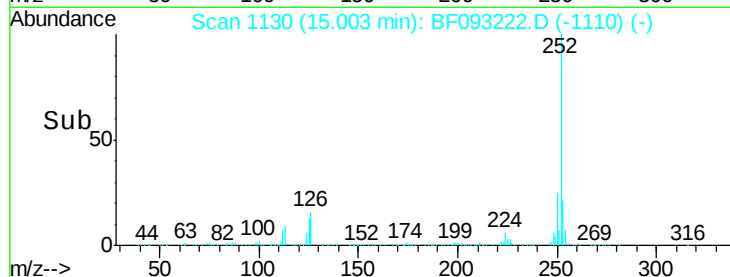
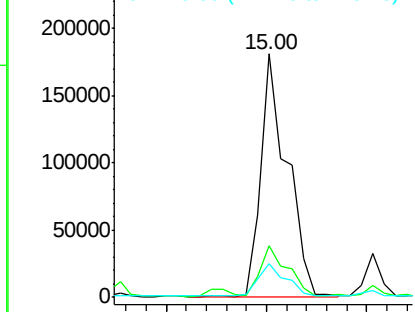
#88
Benzo(k)fluoranthene
Concen: 18.44 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.5	27.7
125	13.9	8.9	13.3#

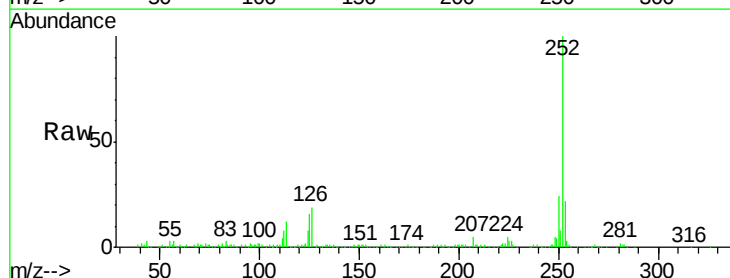


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

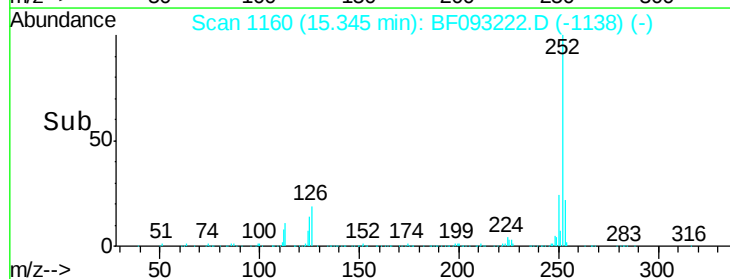
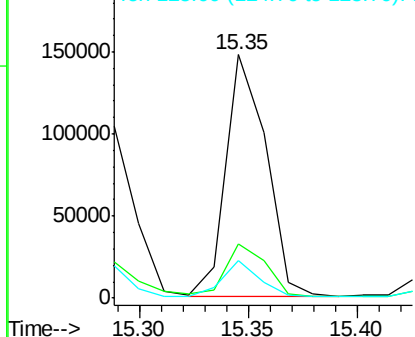


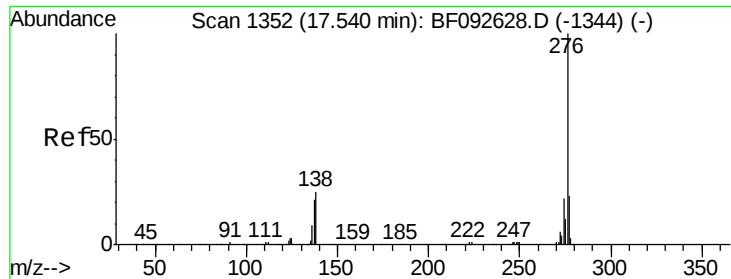
#89
Benzo(a)pyrene
Concen: 10.69 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	15.5	10.0	15.0#



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(g,h,i)perylene
 Concen: 6.97 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	27.7	16.0	24.0

