

Data File : BF093231.D
Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

Quant Time: Feb 28 04:17:34 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	170763	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	603782	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	259516	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	393773	20.00	ng	0.00
75) Chrysene-d12	13.99	240	309336	20.00	ng	0.00
86) Perylene-d12	15.41	264	265915	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	186933	18.78	ng	0.00
7) Phenol-d6	6.46	99	238536	18.63	ng	-0.01
23) Nitrobenzene-d5	7.39	82	126776	11.69	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	28917	15.41	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	216594	15.12	ng	-0.01
78) Terphenyl-d14	12.92	244	153381	11.65	ng	-0.01

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	16823	2.06	ng	# 74
31) Naphthalene	8.12	128	160383	5.24	ng	100
32) Benzoic acid	7.92	122	2195	7.52	ng	# 36
37) 2-Methylnaphthalene	8.82	142	70392	3.58	ng	96
48) Acenaphthylene	9.72	152	101048	3.98	ng	96
50) 2,6-Dinitrotoluene	9.86	165	35864	9.50	ng	# 32
51) Acenaphthene	9.89	154	149890	9.87	ng	95
54) Dibenzofuran	10.06	168	177949	8.76	ng	90
55) 4-Nitrophenol	10.06	139	62375	20.05	ng	# 6
57) Fluorene	10.41	166	161855	10.36	ng	99
69) Pentachlorophenol	11.16	266	561	7.44	ng	# 18
70) Phenanthrene	11.37	178	1489750	66.04	ng	99
71) Anthracene	11.42	178	436284	19.26	ng	98
72) Carbazole	11.58	167	185574	8.57	ng	97
74) Fluoranthene	12.57	202	1657742	71.24	ng	94
77) Pyrene	12.80	202	1486895	64.23	ng	99
80) Benzo(a)anthracene	13.99	228	780782	41.27	ng	97
82) Chrysene	14.02	228	677446	38.24	ng	98
85) Indeno(1,2,3-cd)pyrene	16.82	276	275234	20.06	ng	97
87) Benzo(b)fluoranthene	15.01	252	1023916	58.50	ng	98
88) Benzo(k)fluoranthene	15.01	252	1023916	67.75	ng	# 97
89) Benzo(a)pyrene	15.36	252	497628	32.87	ng	# 94
90) Dibenzo(a,h)anthracene	16.98	278	56871	4.65	ng	96
91) Benzo(g,h,i)perylene	17.24	276	233352	18.88	ng	# 93

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

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E2-B1-SW-5

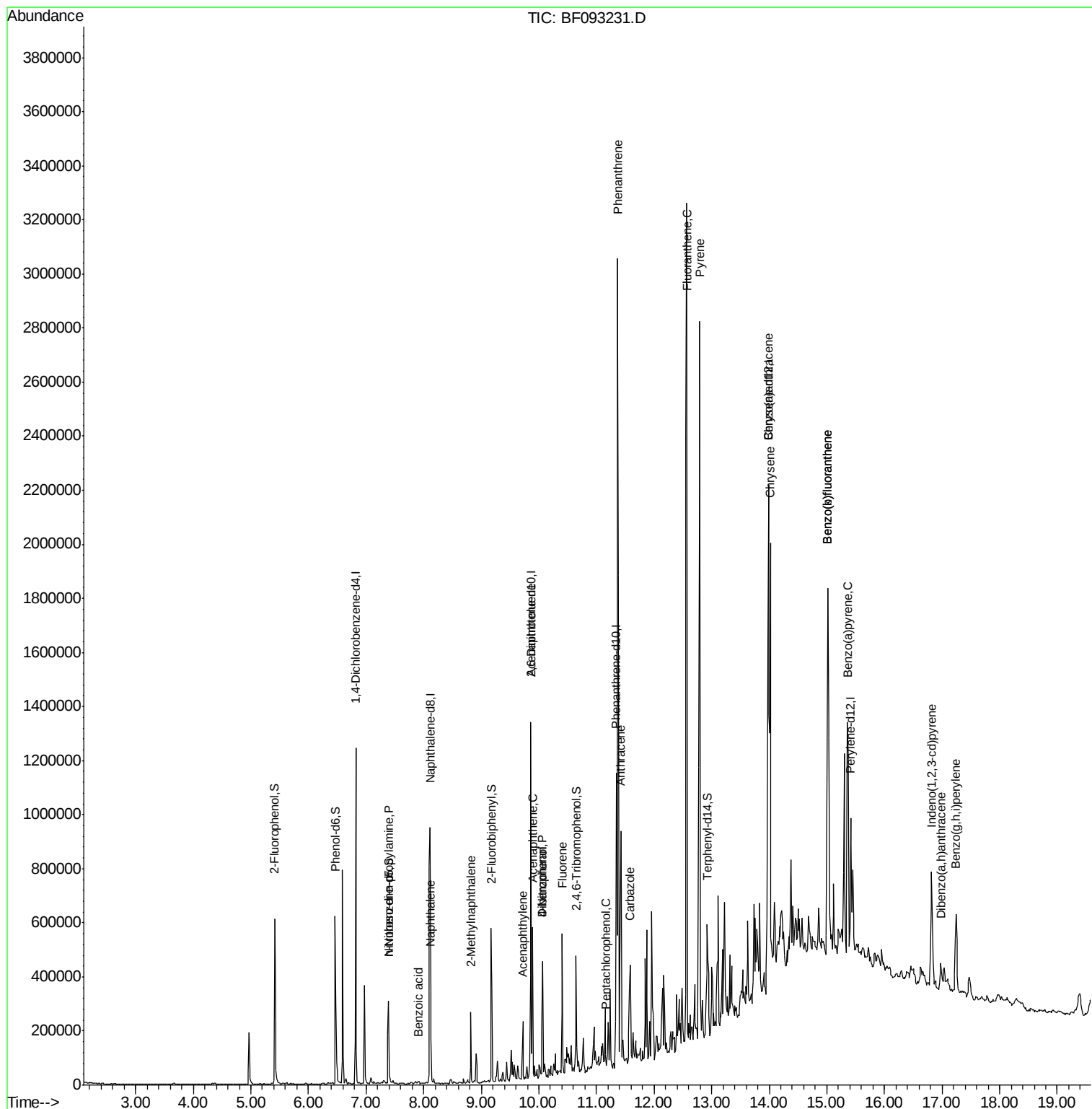
Quant Time: Feb 28 04:17:34 2017

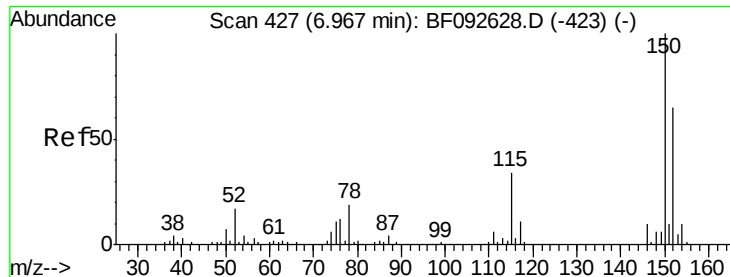
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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QLast Update : Tue Feb 28 00:51:02 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

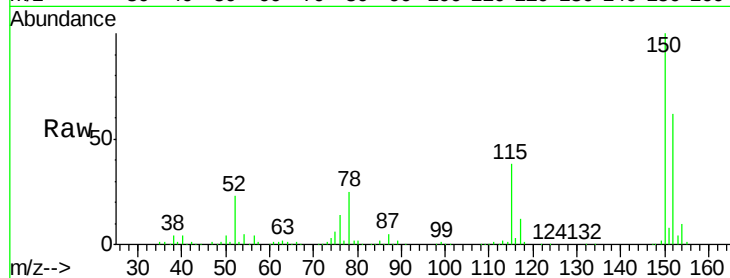
Tgt Ion:152 Resp: 170763

Ion Ratio Lower Upper

152 100

150 161.3 124.9 187.3

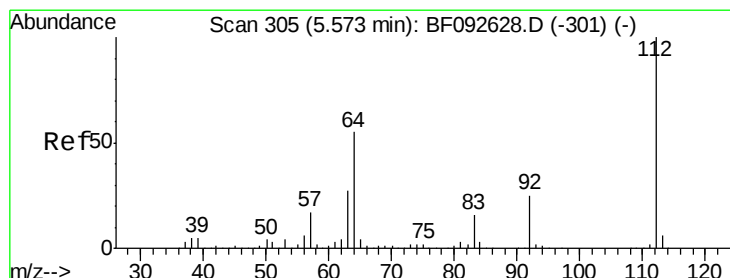
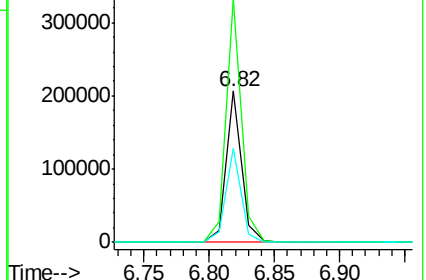
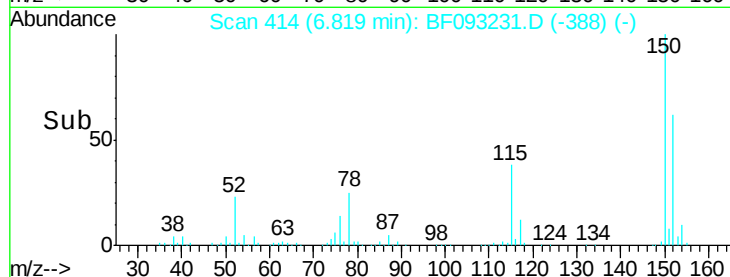
115 61.8 46.0 69.0



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: 18.78 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

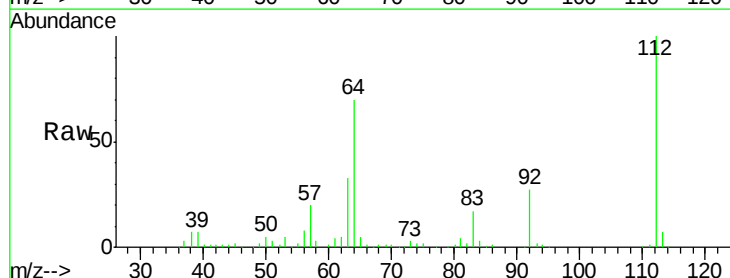
Tgt Ion:112 Resp: 186933

Ion Ratio Lower Upper

112 100

64 69.8 46.1 69.1#

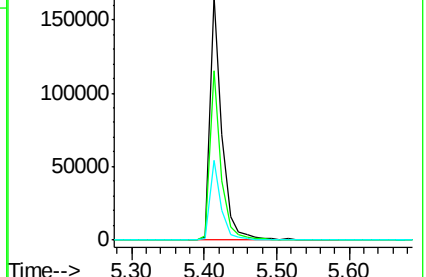
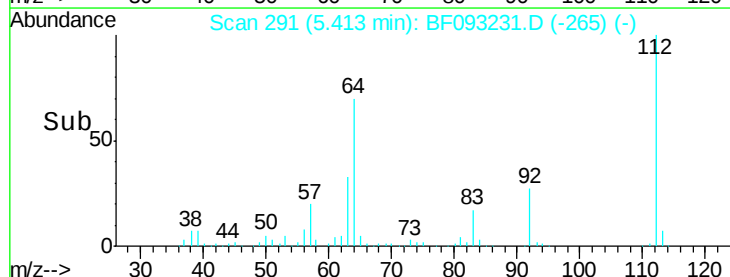
63 33.0 23.8 35.6

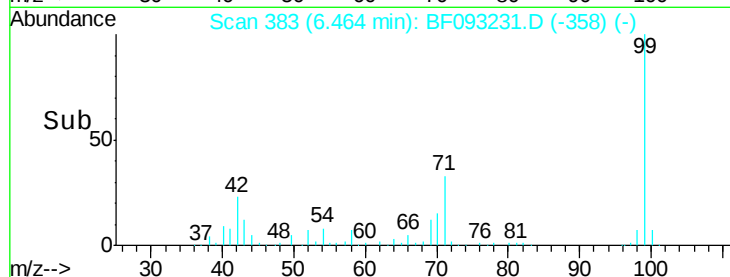
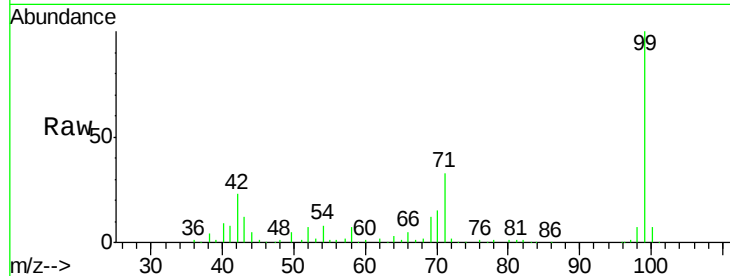


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.63 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampled :

E2-B1-SW-5

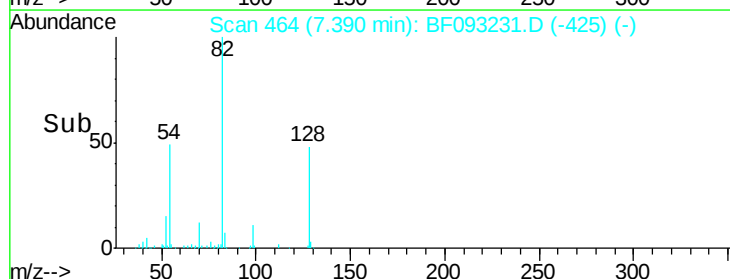
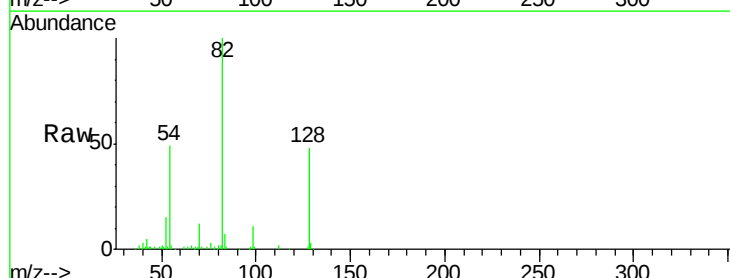
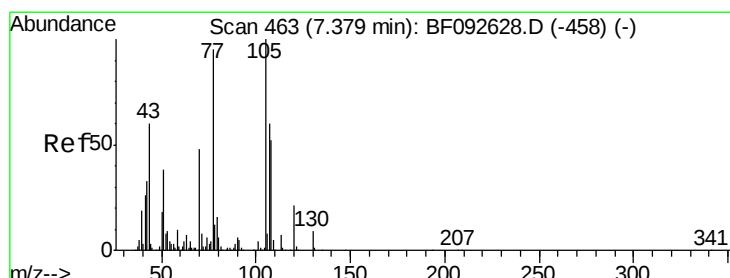
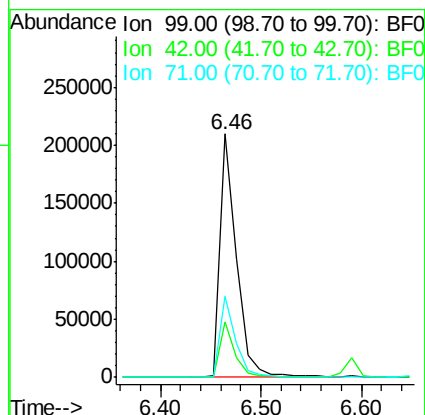
Tgt Ion: 99 Resp: 238536

Ion Ratio Lower Upper

99 100

42 22.7 15.6 23.4

71 33.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.06 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Tgt Ion: 70 Resp: 16823

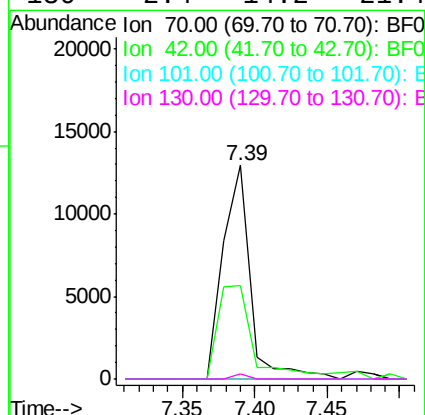
Ion Ratio Lower Upper

70 100

42 43.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

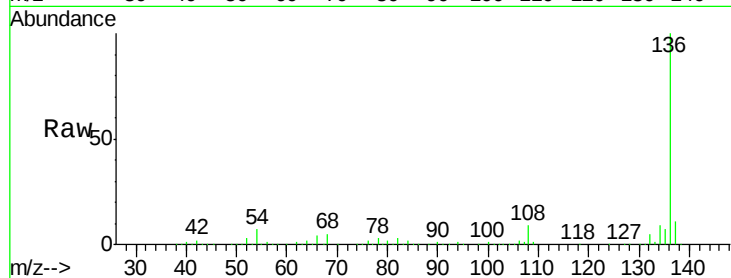




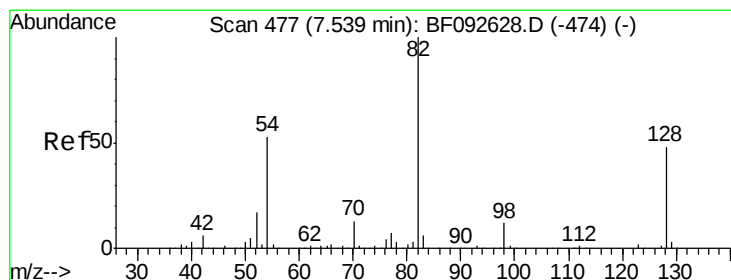
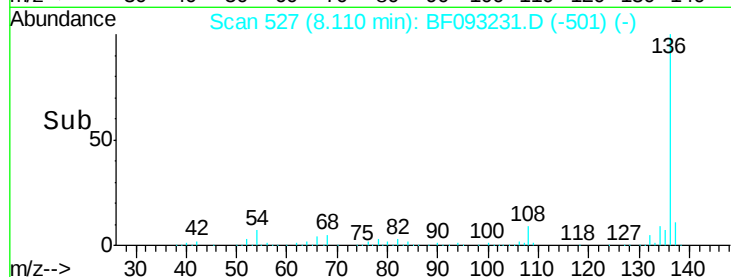
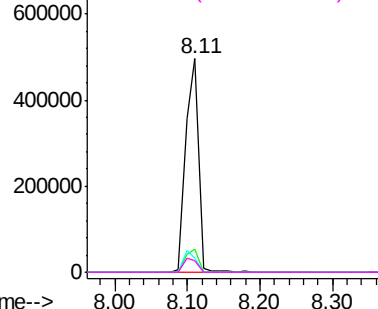
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

Tgt Ion:	136	Resp:	603782
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.8	4.5	6.7#
68	5.2	3.6	5.4

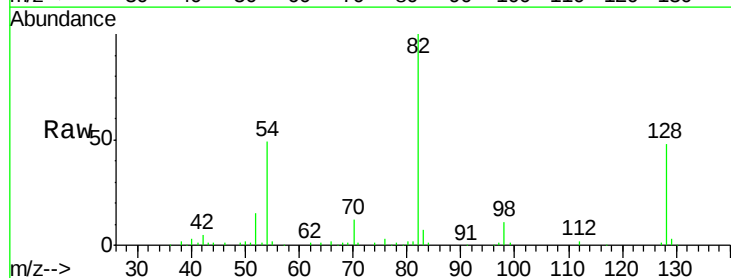


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

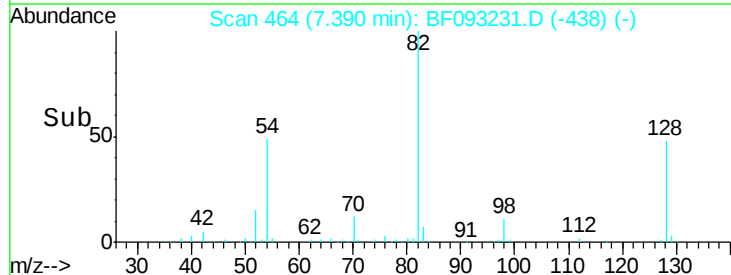
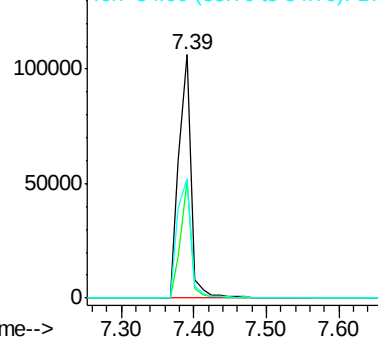


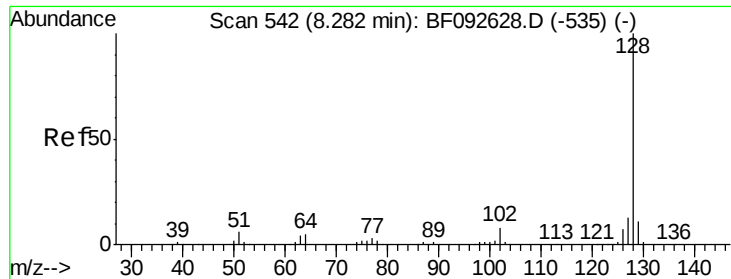
#23
Nitrobenzene-d5
Concen: 11.69 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:	82	Resp:	126776
Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.6	52.0
54	48.8	39.5	59.3



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

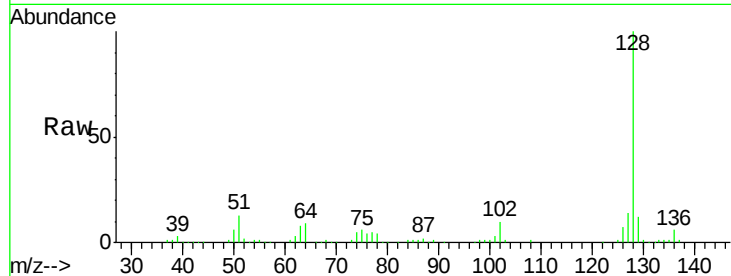




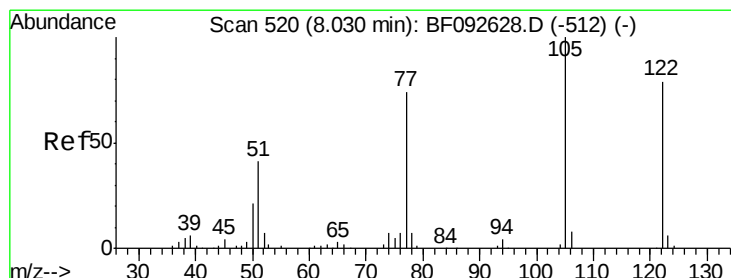
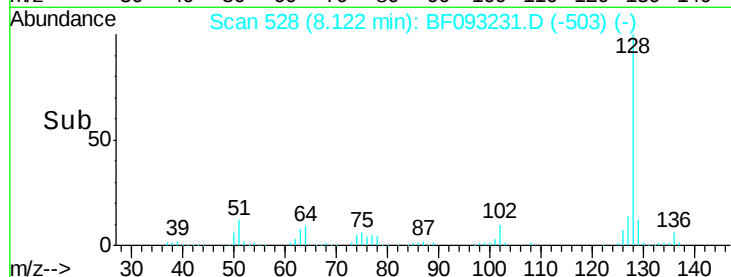
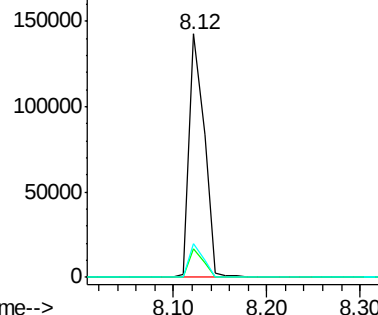
#31
Naphthalene
Concen: 5.24 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

Tgt Ion:128 Resp: 160383
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 13.6 10.8 16.2

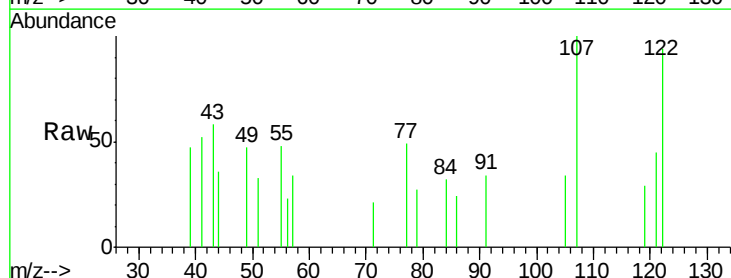


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

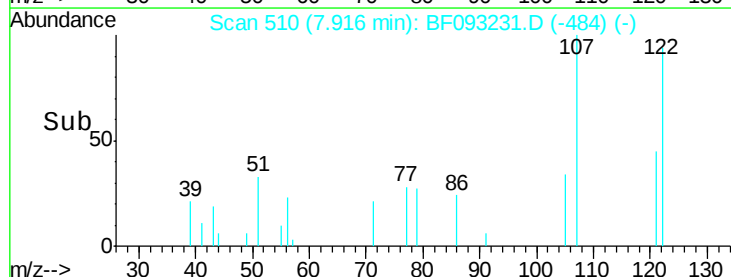
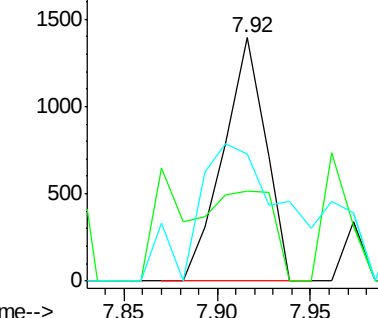


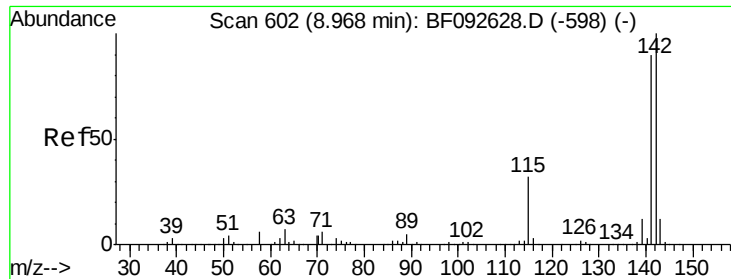
#32
Benzoic acid
Concen: 7.52 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:122 Resp: 2195
Ion Ratio Lower Upper
122 100
105 36.8 107.2 147.2#
77 52.4 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

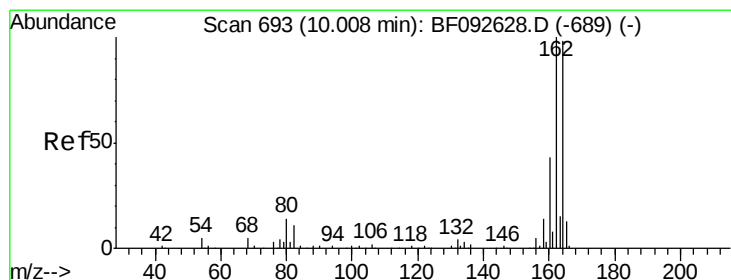
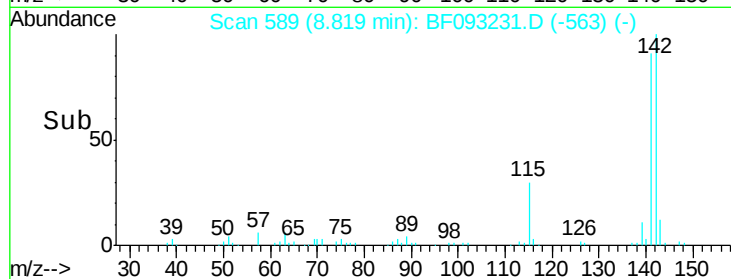
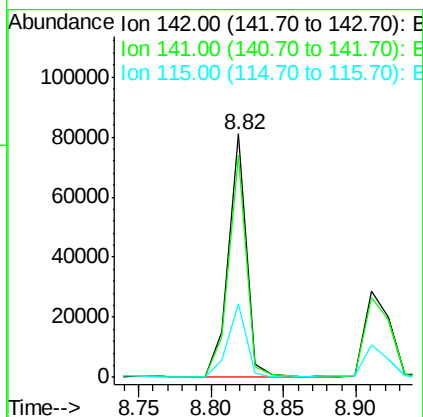
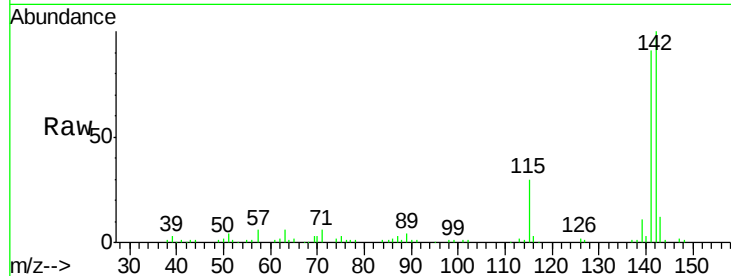




#37
 2-Methylnaphthalene
 Concen: 3.58 ng
 RT: 8.82 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

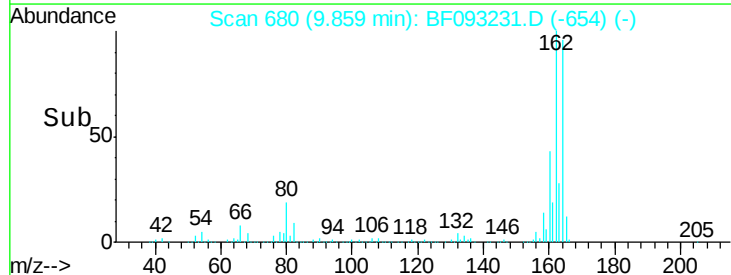
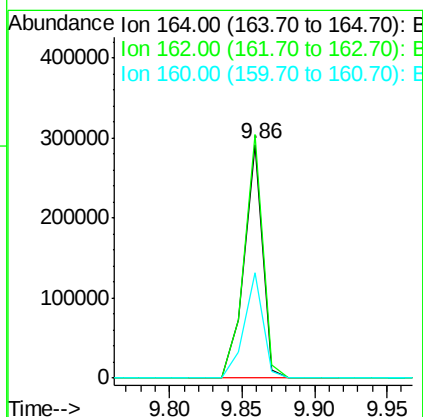
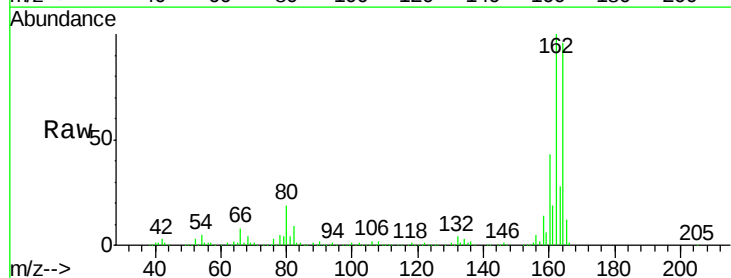
Instrument :
 BNA_F
 ClientSampled :
 E2-B1-SW-5

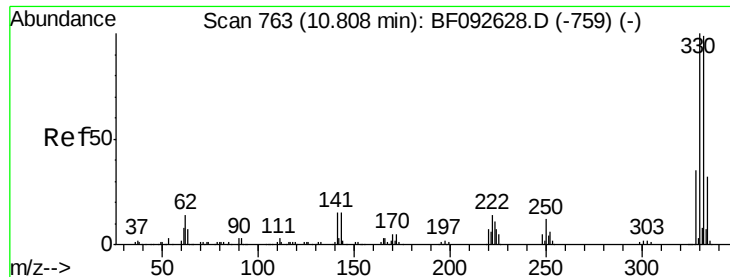
Tgt Ion:142 Resp: 70392
 Ion Ratio Lower Upper
 142 100
 141 91.3 71.0 106.6
 115 30.3 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Tgt Ion:164 Resp: 259516
 Ion Ratio Lower Upper
 164 100
 162 104.1 80.2 120.2
 160 44.9 36.9 55.3

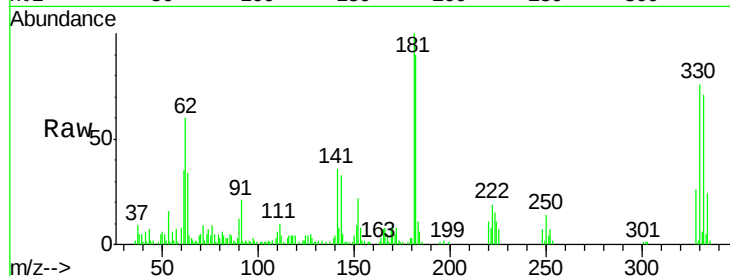




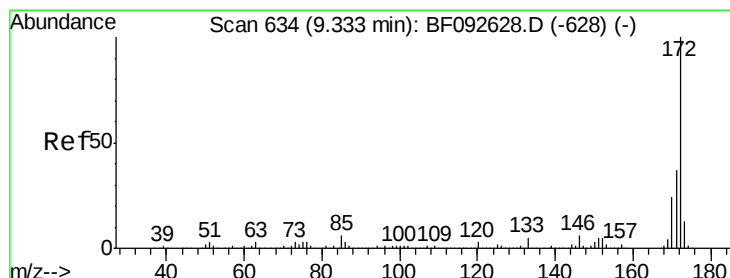
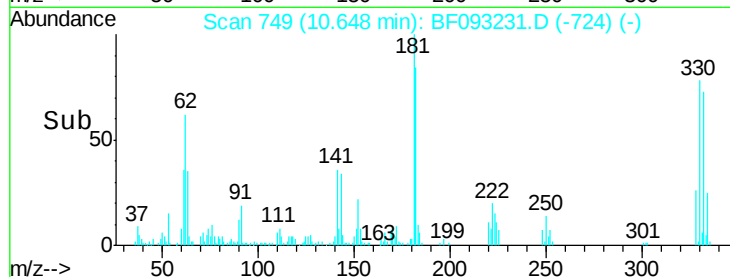
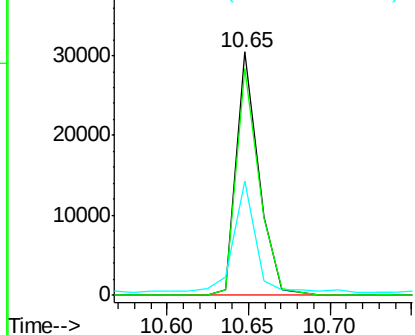
#41
 2,4,6-Tribromophenol
 Concen: 15.41 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.4	116.2
141	48.4	34.1	51.1

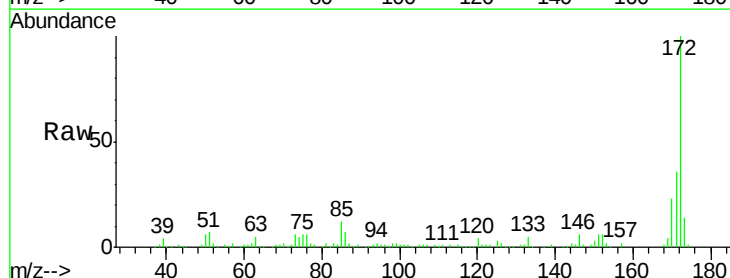


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

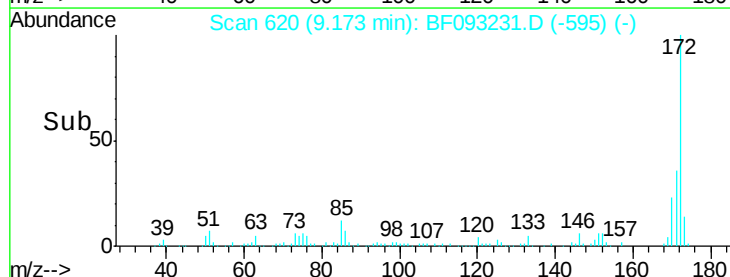
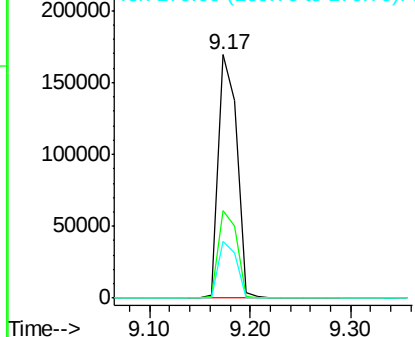


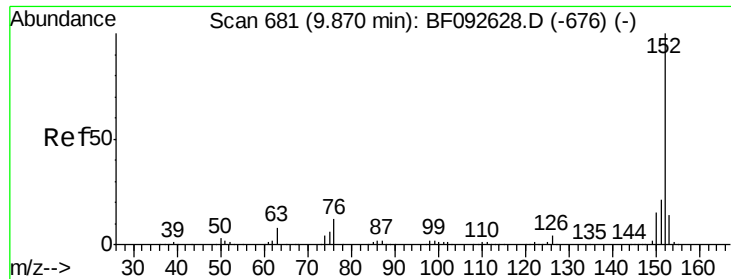
#44
 2-Fluorobiphenyl
 Concen: 15.12 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.4	20.2	30.4



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

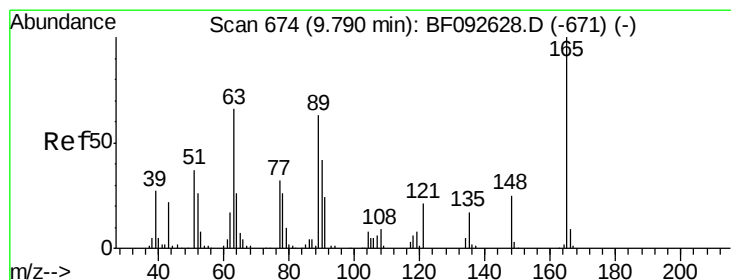
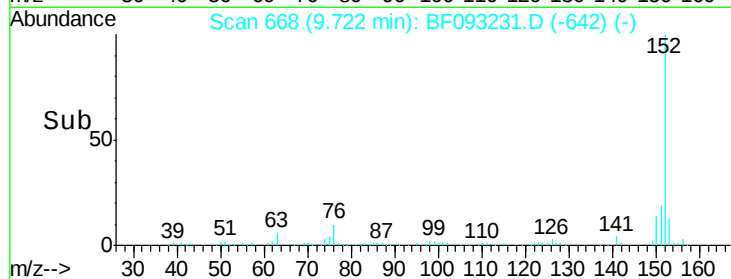
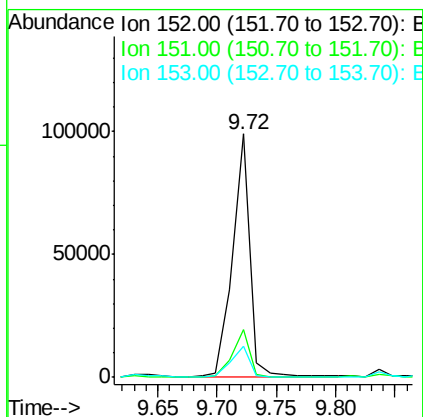
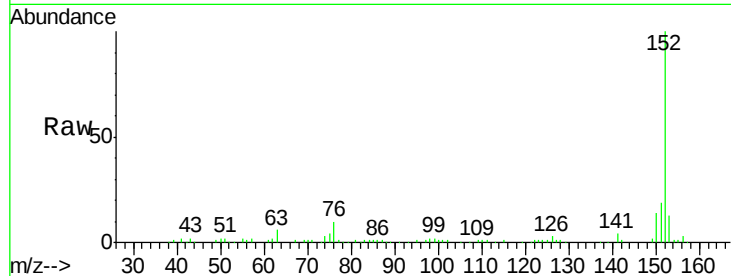




#48
Acenaphthylene
Concen: 3.98 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

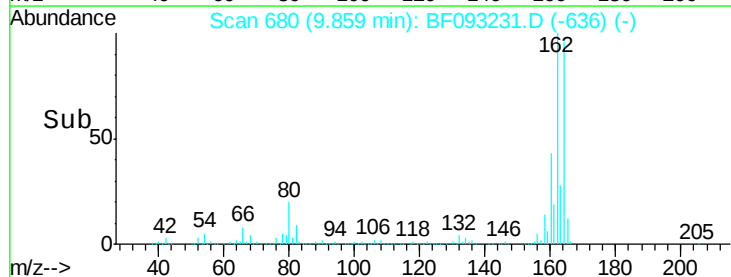
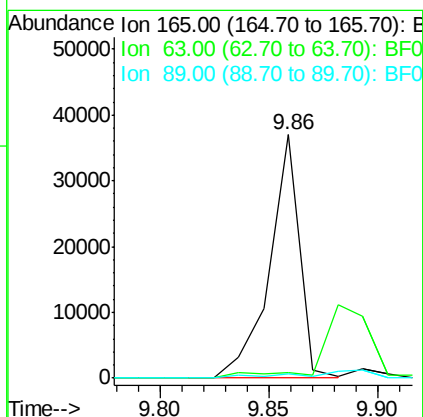
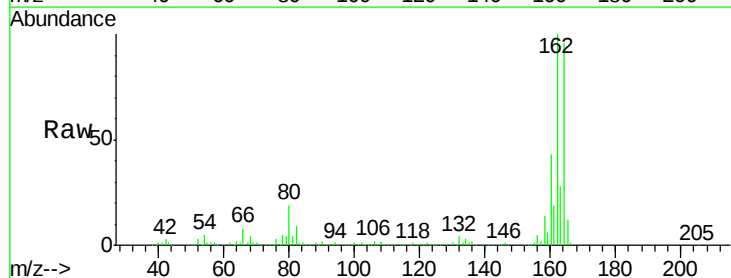
Instrument :
BNA_F
ClientSampled :
E2-B1-SW-5

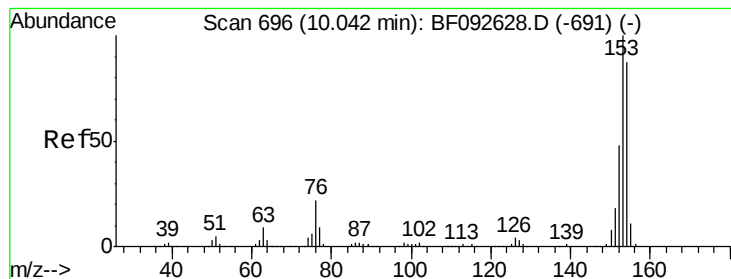
Tgt Ion:152 Resp: 101048
Ion Ratio Lower Upper
152 100
151 19.4 16.9 25.3
153 12.8 11.4 17.2



#50
2,6-Dinitrotoluene
Concen: 9.50 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.21 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:165 Resp: 35864
Ion Ratio Lower Upper
165 100
63 2.3 36.2 54.4#
89 1.9 40.2 60.4#





#51

Acenaphthene

Concen: 9.87 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

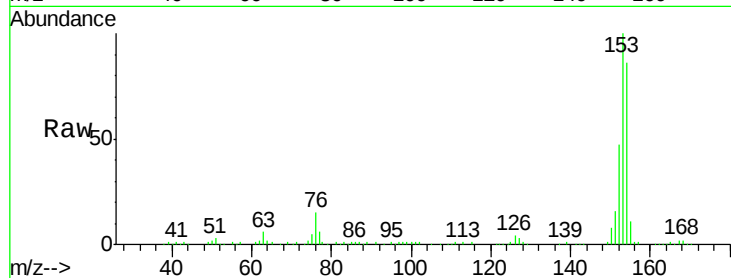
Tgt Ion:154 Resp: 149890

Ion Ratio Lower Upper

154 100

153 116.0 88.6 133.0

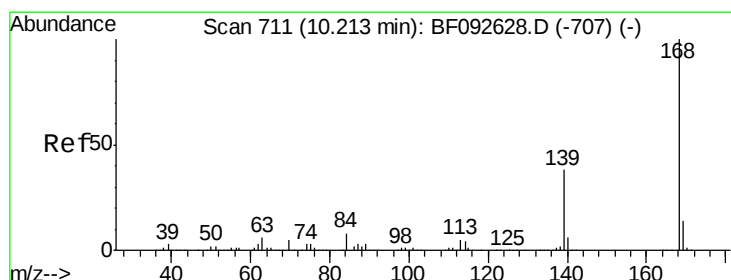
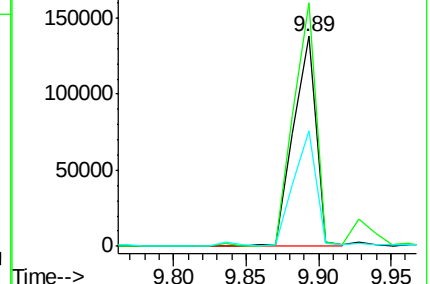
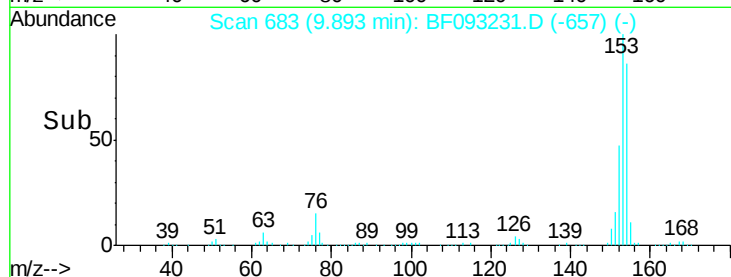
152 55.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 8.76 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

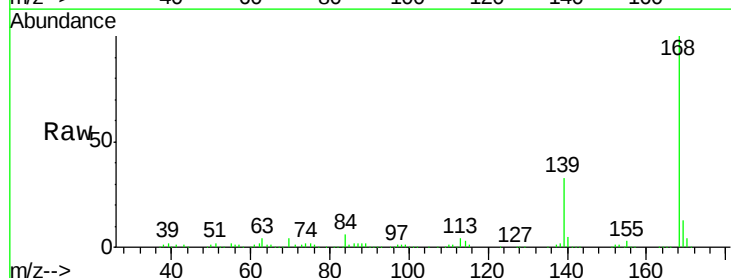
Tgt Ion:168 Resp: 177949

Ion Ratio Lower Upper

168 100

139 32.7 32.6 49.0

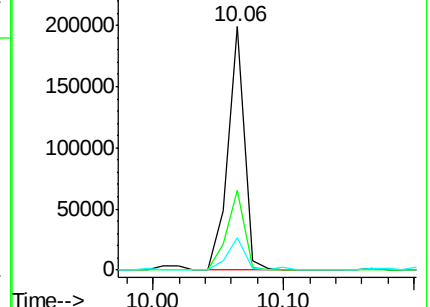
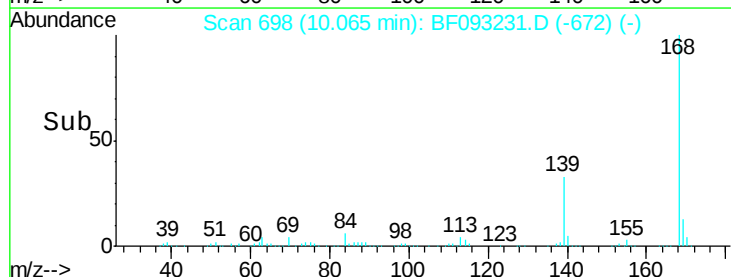
169 13.5 11.3 16.9

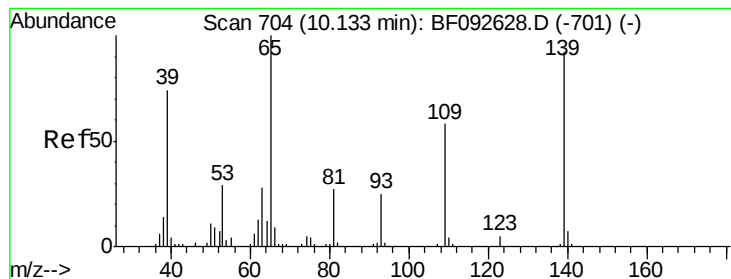


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 20.05 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.06 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

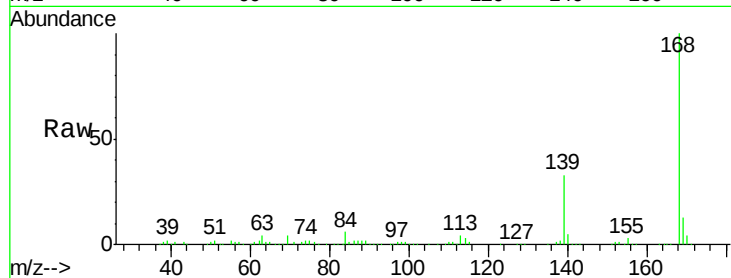
Tgt Ion:139 Resp: 62375

Ion Ratio Lower Upper

139 100

109 1.4 52.2 92.2#

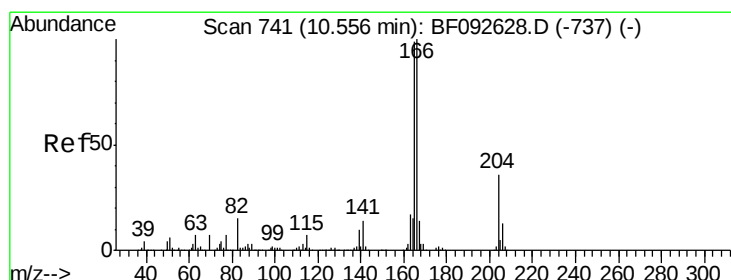
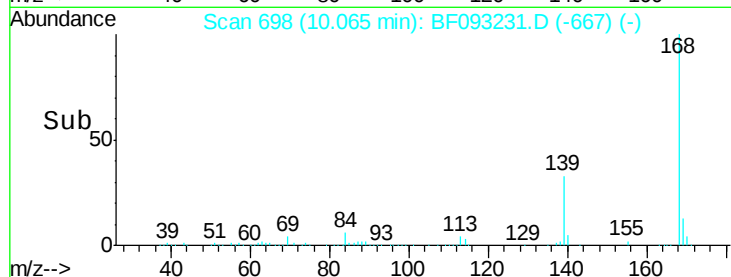
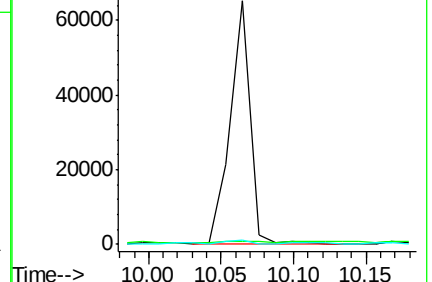
65 1.7 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 10.36 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

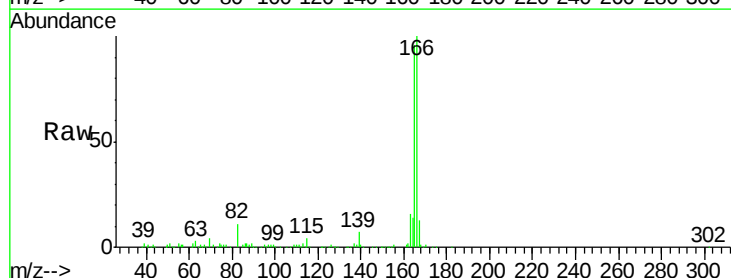
Tgt Ion:166 Resp: 161855

Ion Ratio Lower Upper

166 100

165 96.4 77.8 116.8

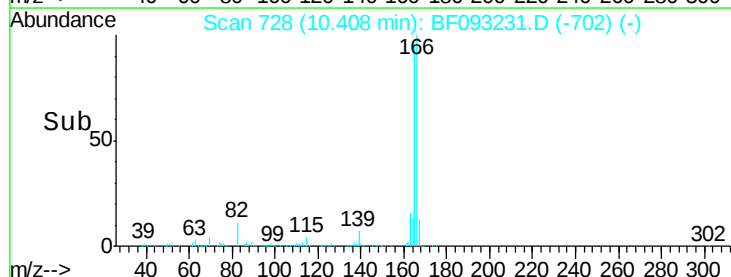
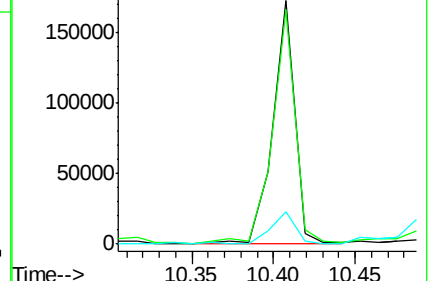
167 13.2 10.8 16.2

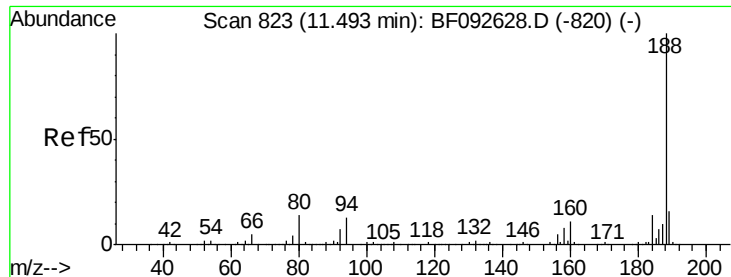


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

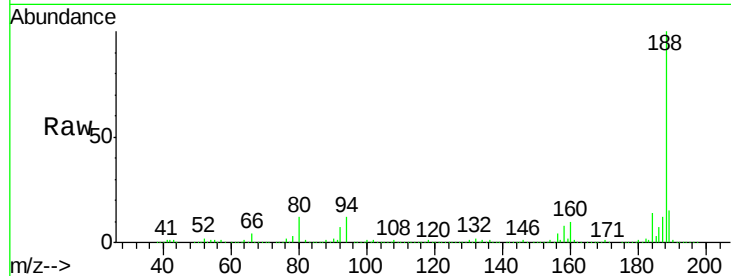




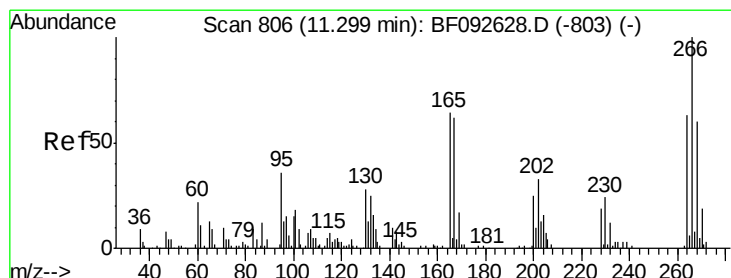
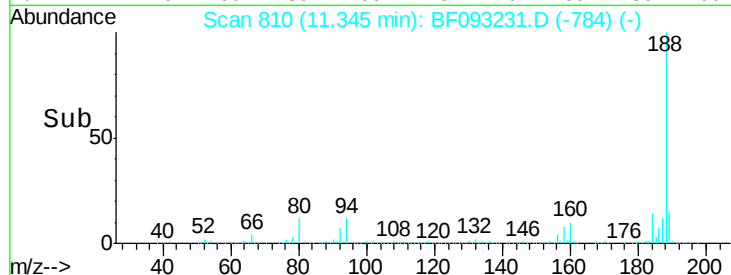
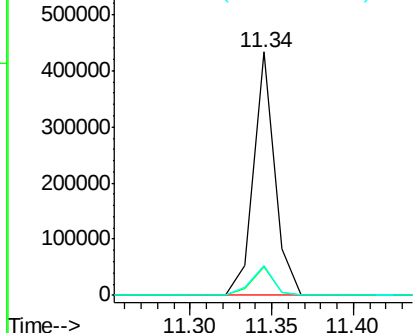
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

Tgt Ion:188 Resp: 393773
Ion Ratio Lower Upper
188 100
94 11.6 10.0 15.0
80 12.2 11.2 16.8

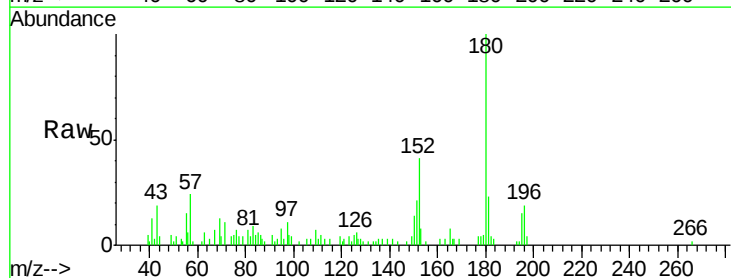


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

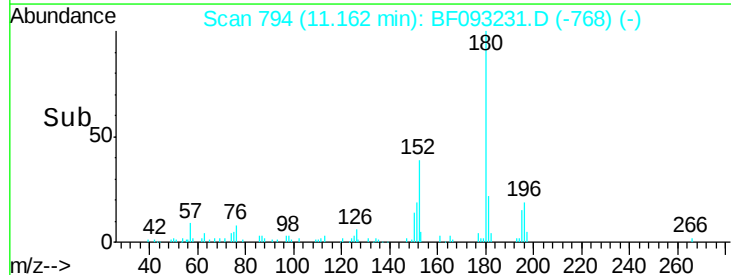
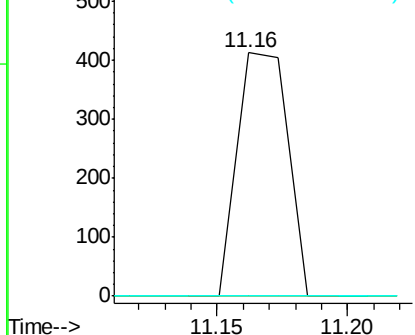


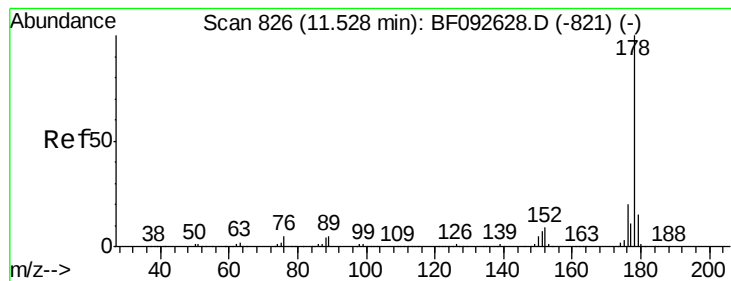
#69
Pentachlorophenol
Concen: 7.44 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:266 Resp: 561
Ion Ratio Lower Upper
266 100
268 0.0 53.3 79.9#
264 0.0 50.3 75.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 66.04 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

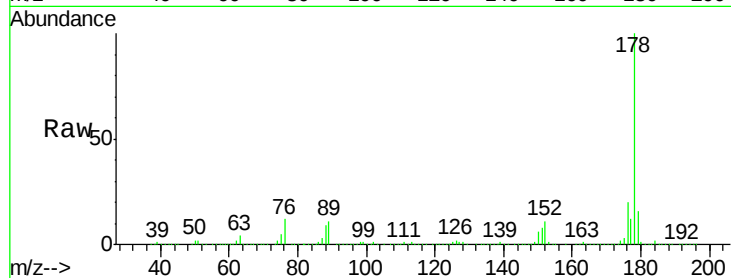
Tgt Ion:178 Resp: 1489750

Ion Ratio Lower Upper

178 100

176 20.2 16.6 25.0

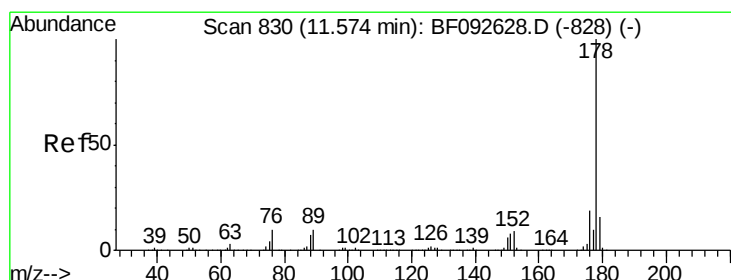
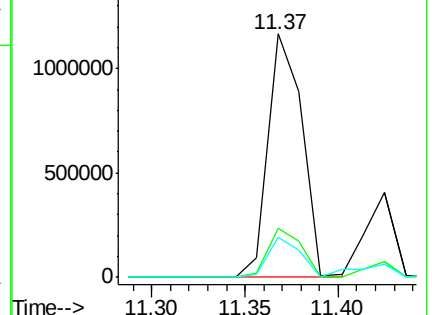
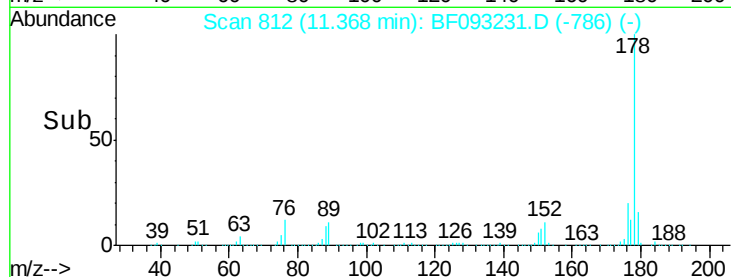
179 16.4 12.8 19.2



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: 19.26 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

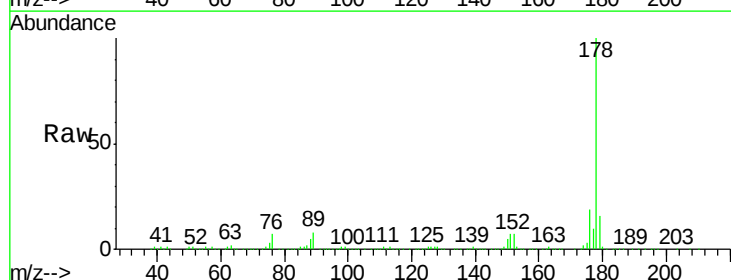
Tgt Ion:178 Resp: 436284

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

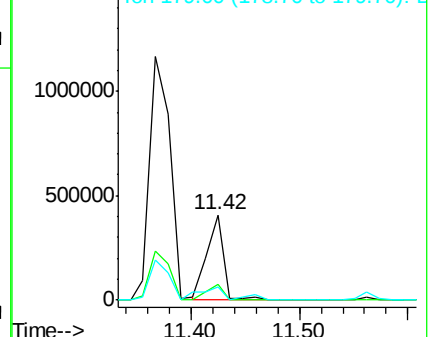
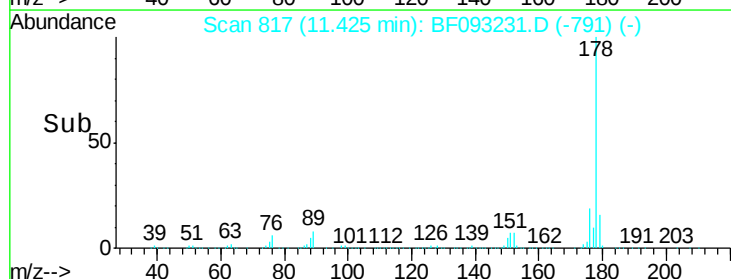
179 15.7 13.2 19.8

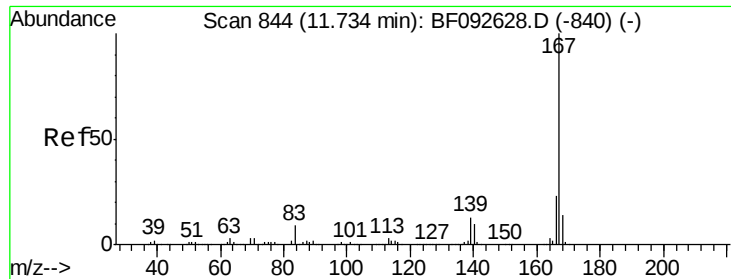


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

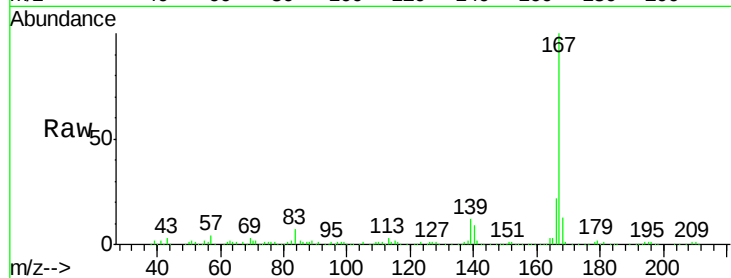




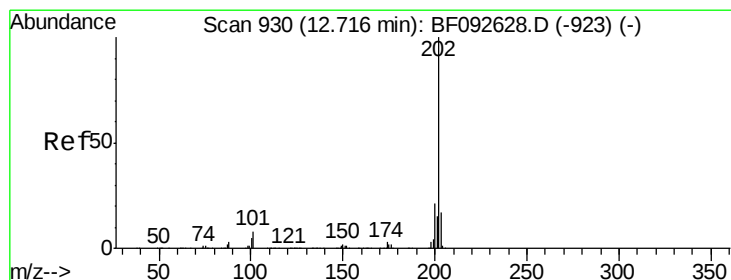
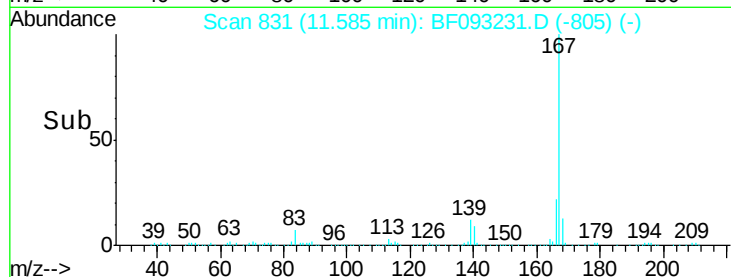
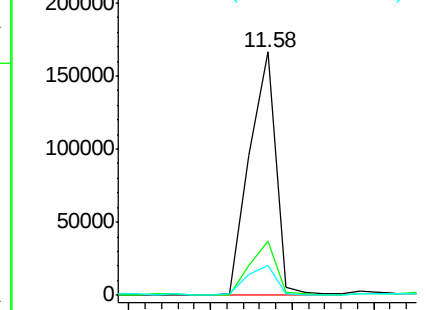
#72
 Carbazole
 Concen: 8.57 ng
 RT: 11.58 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-5

Tgt Ion:167 Resp: 185574
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.2 27.2
 139 12.1 11.4 17.2

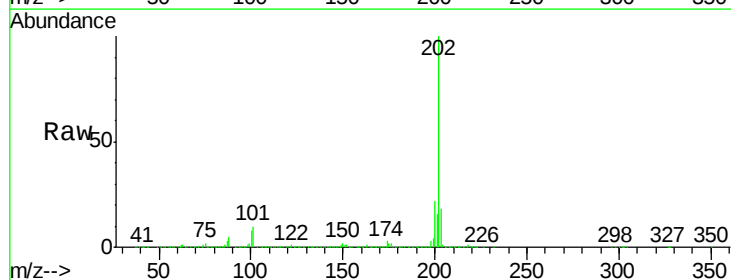


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

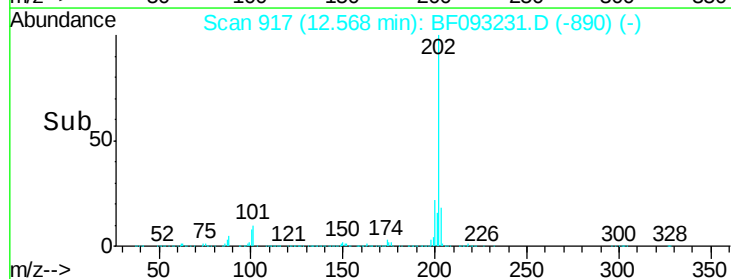
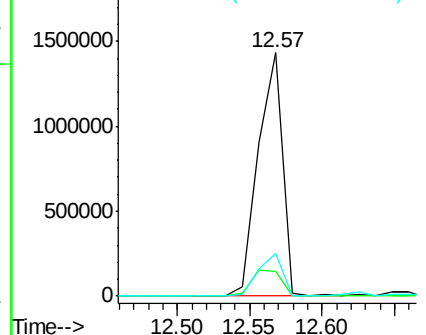


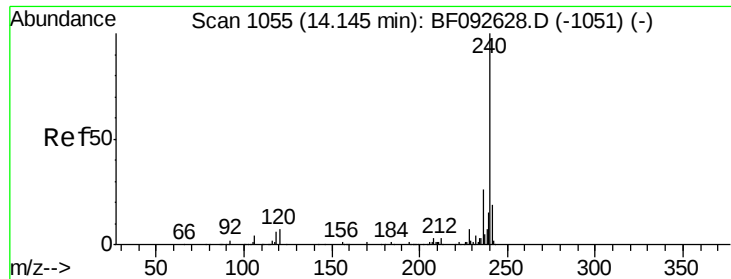
#74
 Fluoranthene
 Concen: 71.24 ng
 RT: 12.57 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Tgt Ion:202 Resp: 1657742
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.6
 203 17.6 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. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

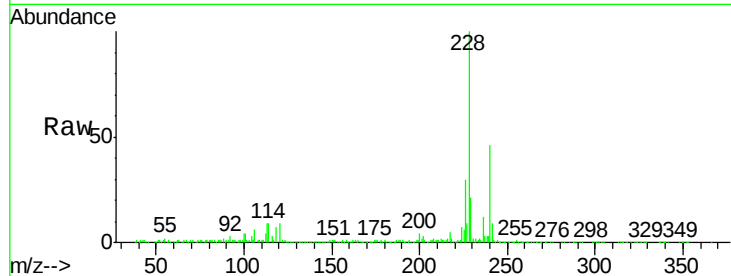
Tgt Ion:240 Resp: 309336

Ion Ratio Lower Upper

240 100

120 19.4 12.9 19.3#

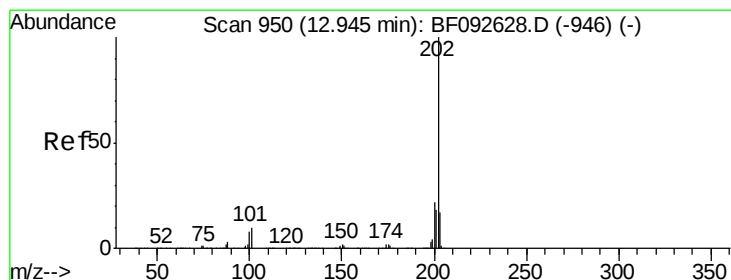
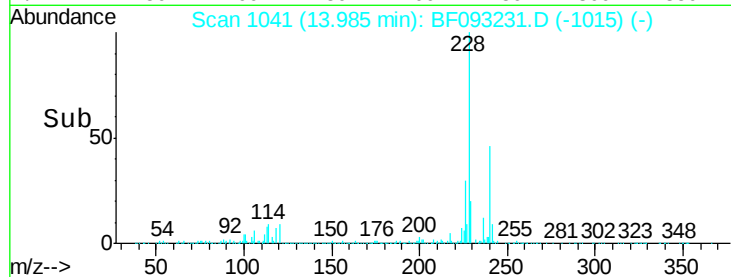
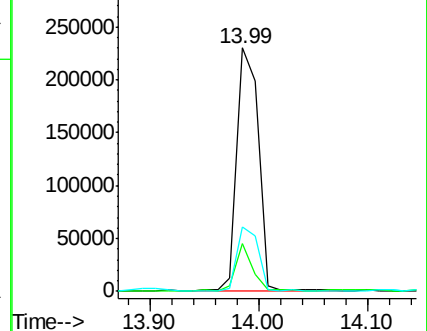
236 26.7 20.9 31.3



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: 64.23 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

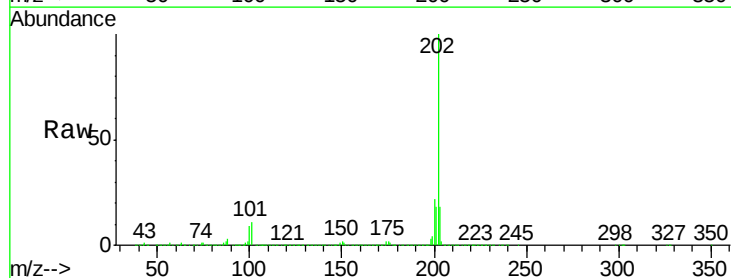
Tgt Ion:202 Resp: 1486895

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

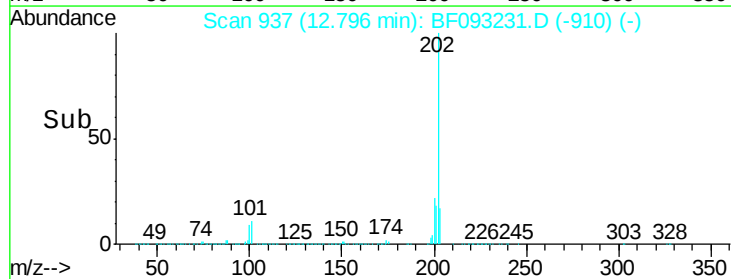
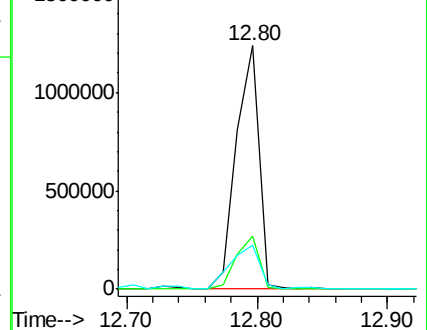
203 17.8 14.7 22.1

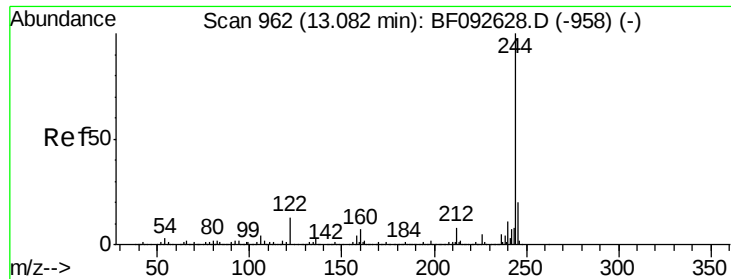


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

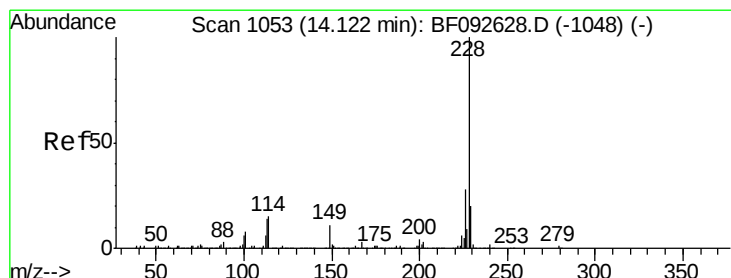
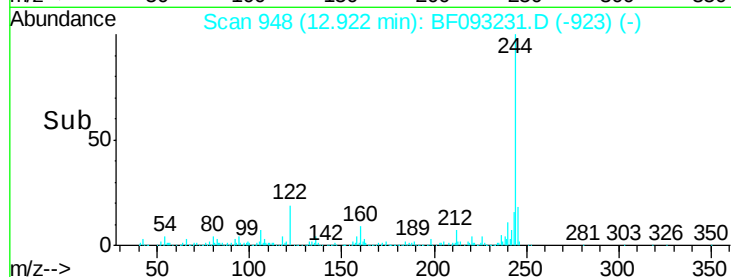
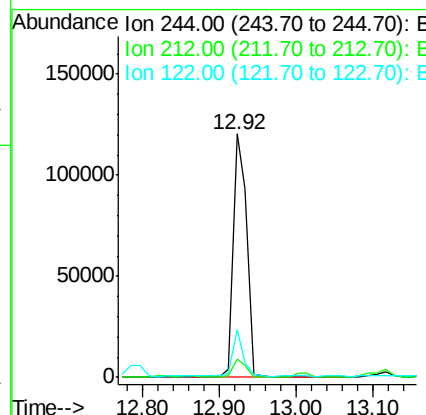
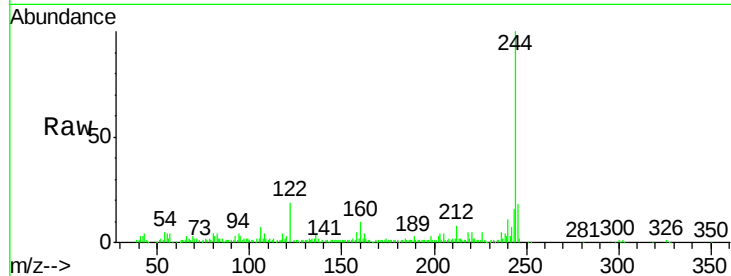




#78
 Terphenyl-d14
 Concen: 11.65 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

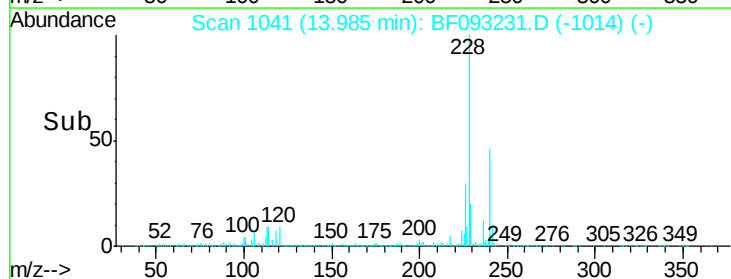
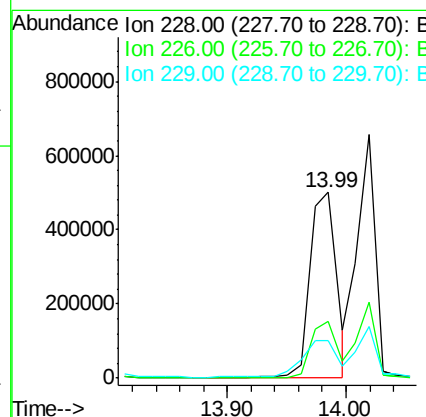
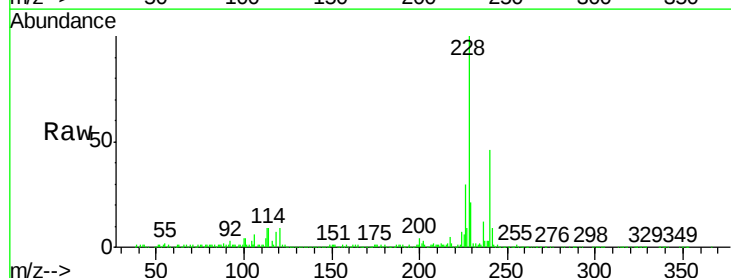
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-5

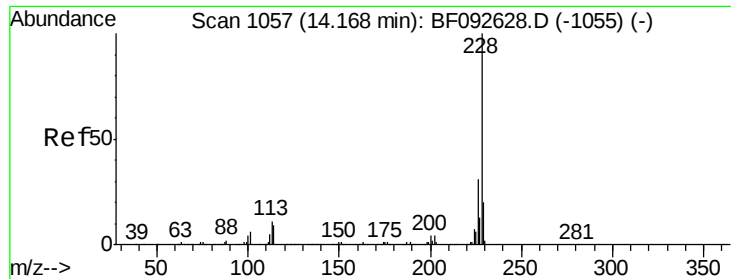
Tgt Ion:244 Resp: 153381
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 19.5 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 41.27 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF093231.D
 Acq: 28 Feb 2017 3:32

Tgt Ion:228 Resp: 780782
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.4 33.6
 229 20.6 16.2 24.4





#82

Chrysene

Concen: 38.24 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

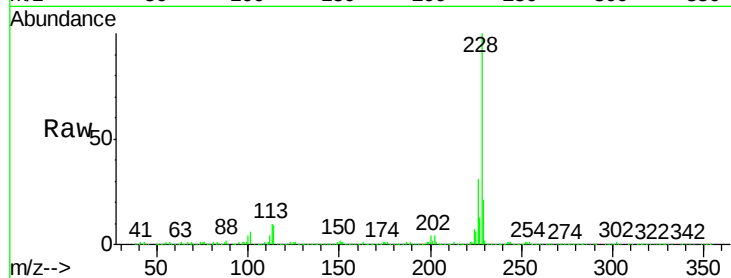
Tgt Ion:228 Resp: 677446

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

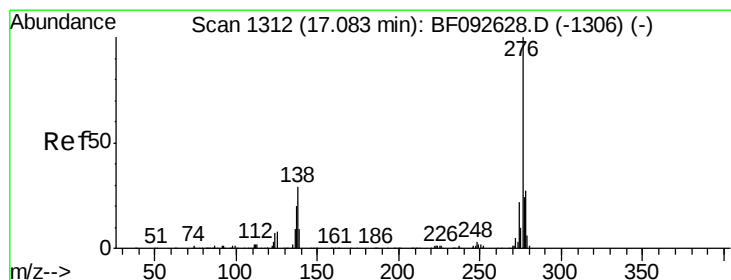
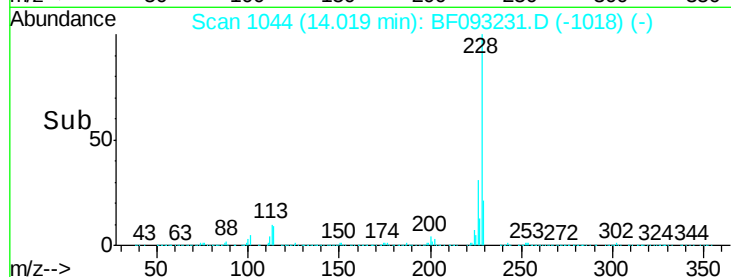
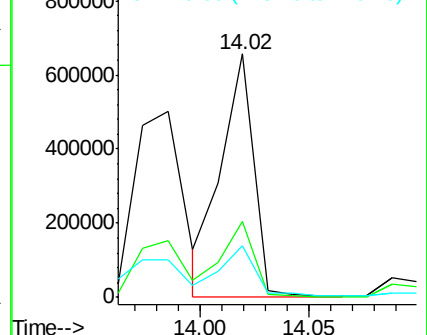
229 21.4 16.2 24.2



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: 20.06 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

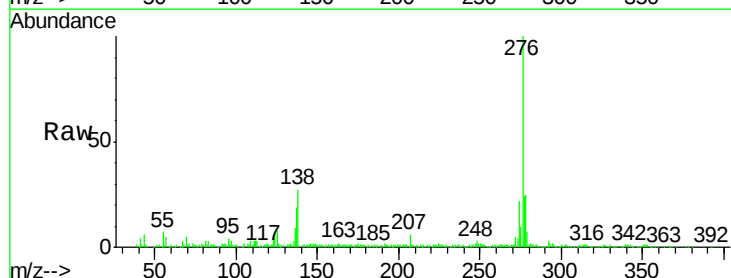
Tgt Ion:276 Resp: 275234

Ion Ratio Lower Upper

276 100

138 27.4 21.8 32.6

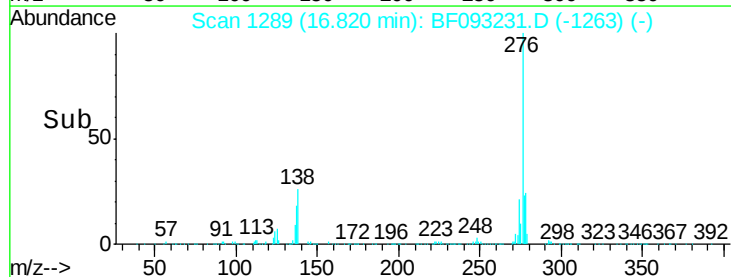
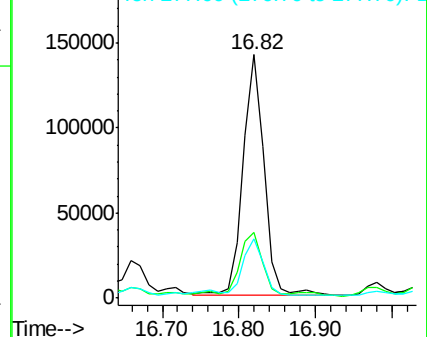
277 22.1 20.2 30.4

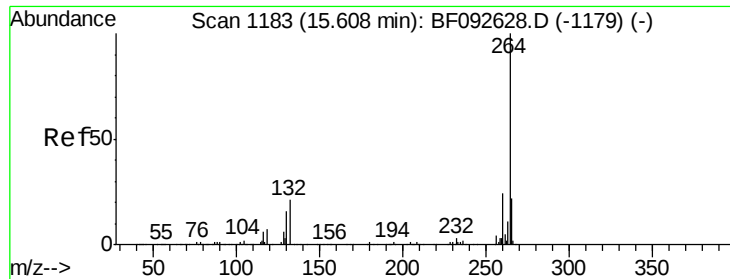


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

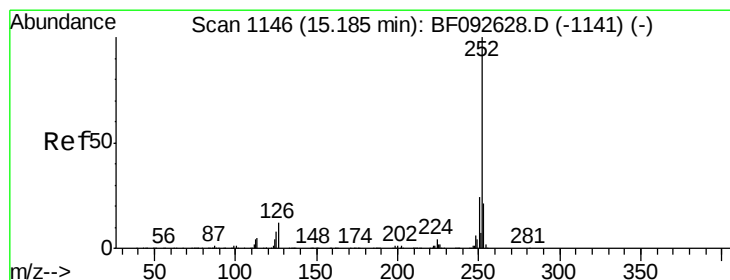
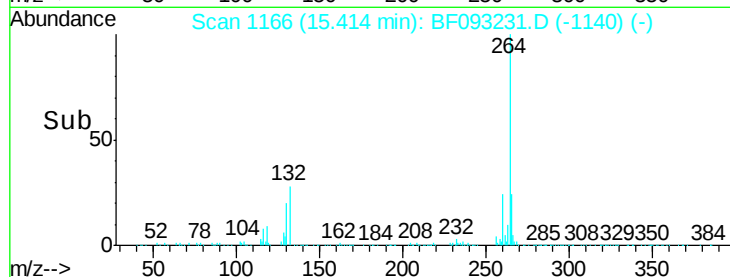
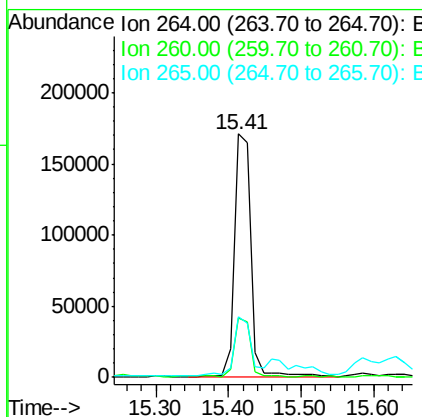
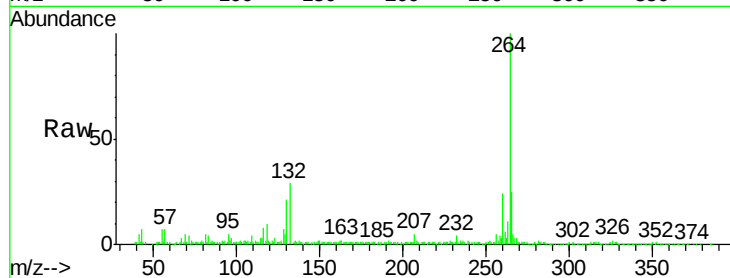




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

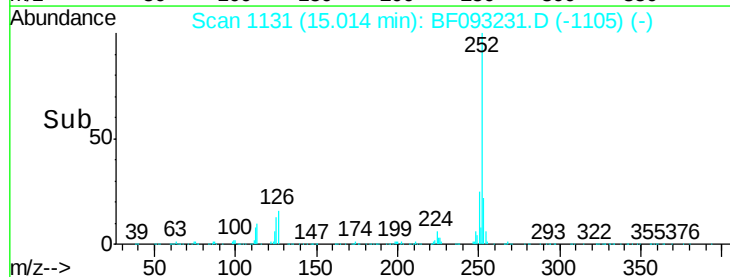
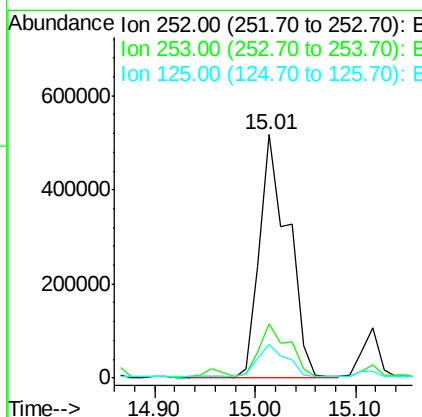
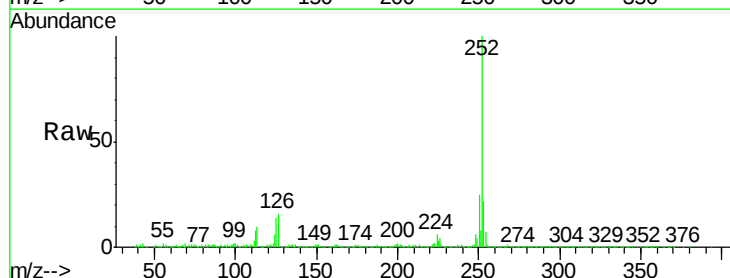
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

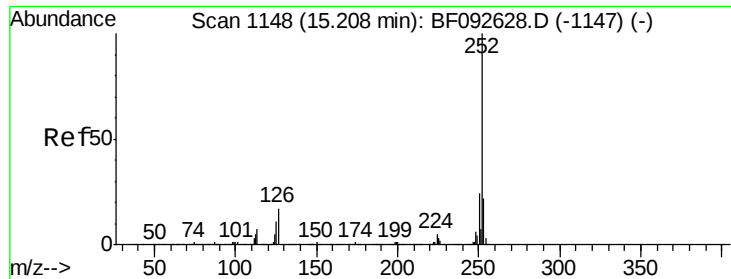
Tgt Ion:264 Resp: 265915
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 24.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 58.50 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:252 Resp: 1023916
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 13.7 9.8 14.6

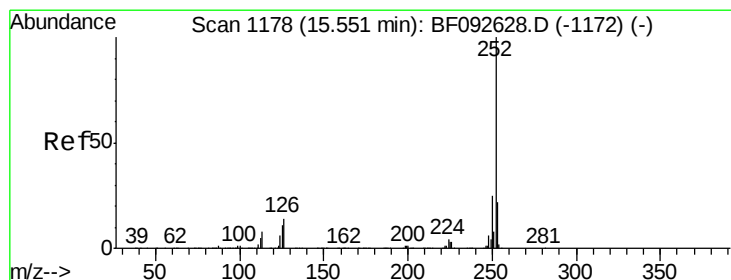
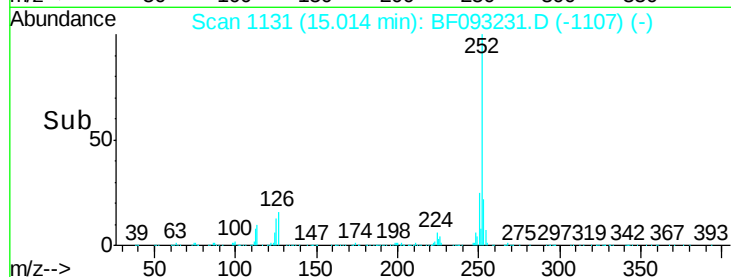
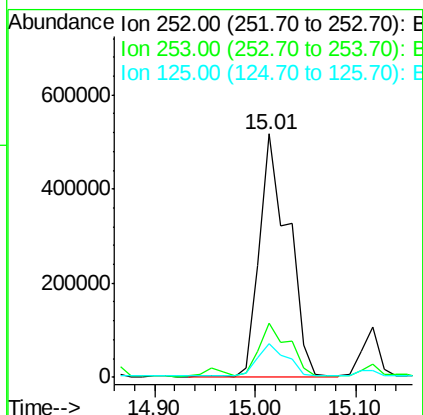
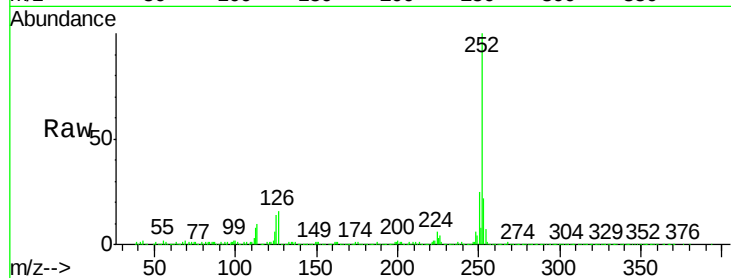




#88
Benzo(k)fluoranthene
Concen: 67.75 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

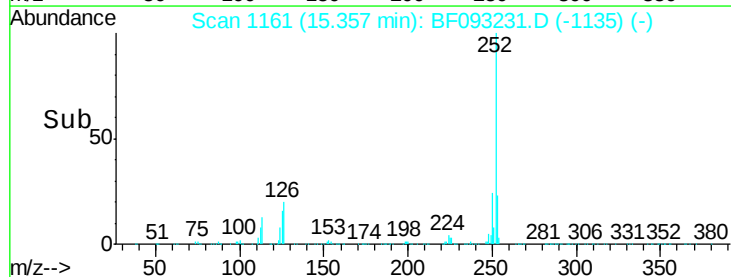
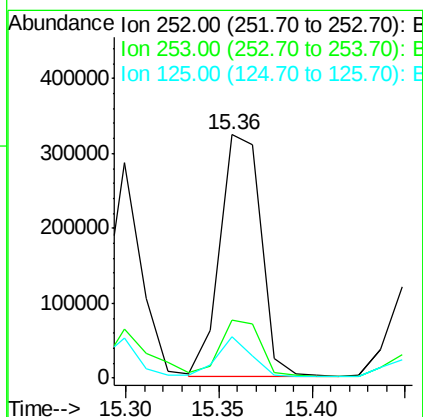
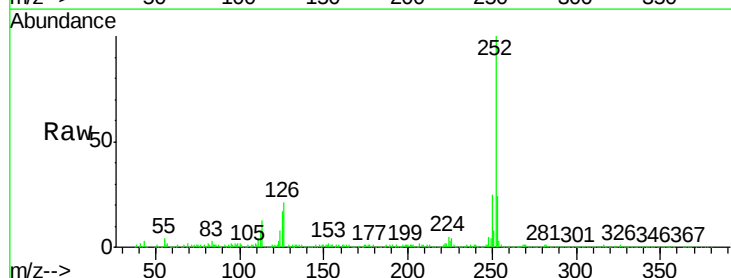
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-5

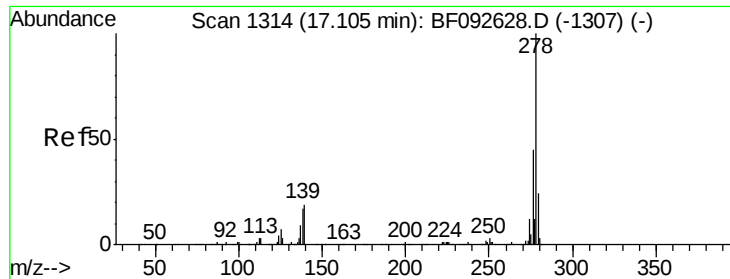
Tgt Ion:252 Resp: 1023916
Ion Ratio Lower Upper
252 100
253 22.3 18.5 27.7
125 13.7 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 32.87 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF093231.D
Acq: 28 Feb 2017 3:32

Tgt Ion:252 Resp: 497628
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 16.8 10.0 15.0#





#90

Dibenzo(a,h)anthracene

Concen: 4.65 ng

RT: 16.98 min Scan# 1303

Delta R.T. 0.15 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-5

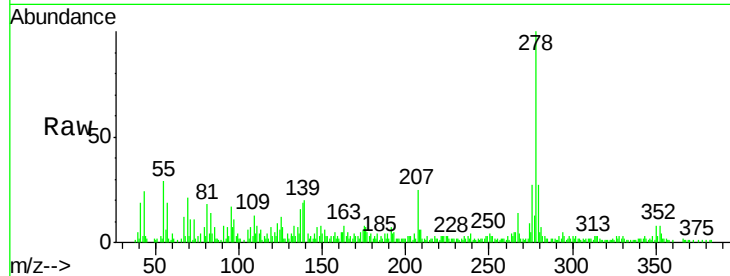
Tgt Ion:278 Resp: 56871

Ion Ratio Lower Upper

278 100

139 19.8 14.8 22.2

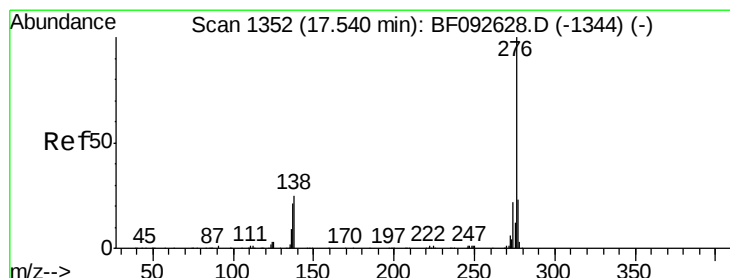
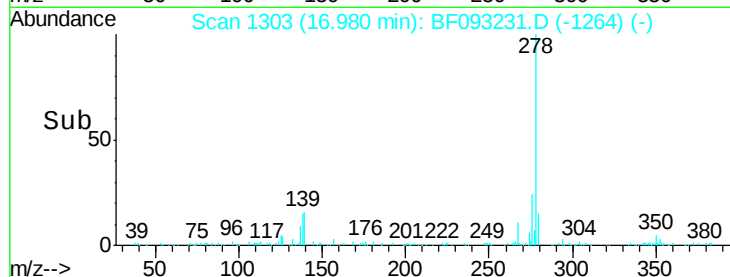
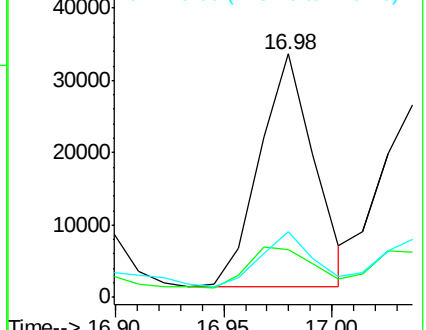
279 27.1 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 18.88 ng

RT: 17.24 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF093231.D

Acq: 28 Feb 2017 3:32

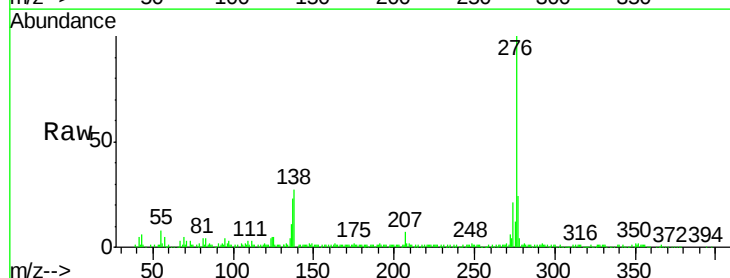
Tgt Ion:276 Resp: 233352

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 27.3 16.0 24.0#



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

