

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093680.D
 Acq On : 15 Mar 2017 20:54
 Operator : SJ/MA
 Sample : I2264-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD7-SSW

Quant Time: Mar 16 01:43:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	170293	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	647149	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	277004	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	379412	20.00	ng	0.00
75) Chrysene-d12	13.90	240	308994	20.00	ng	0.01
86) Perylene-d12	15.31	264	352804	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1310674	128.10	ng	-0.01
7) Phenol-d6	6.37	99	1616439	125.28	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1011912	86.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	205417	113.82	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1251700	84.05	ng	-0.01
78) Terphenyl-d14	12.84	244	716942	60.32	ng	0.01

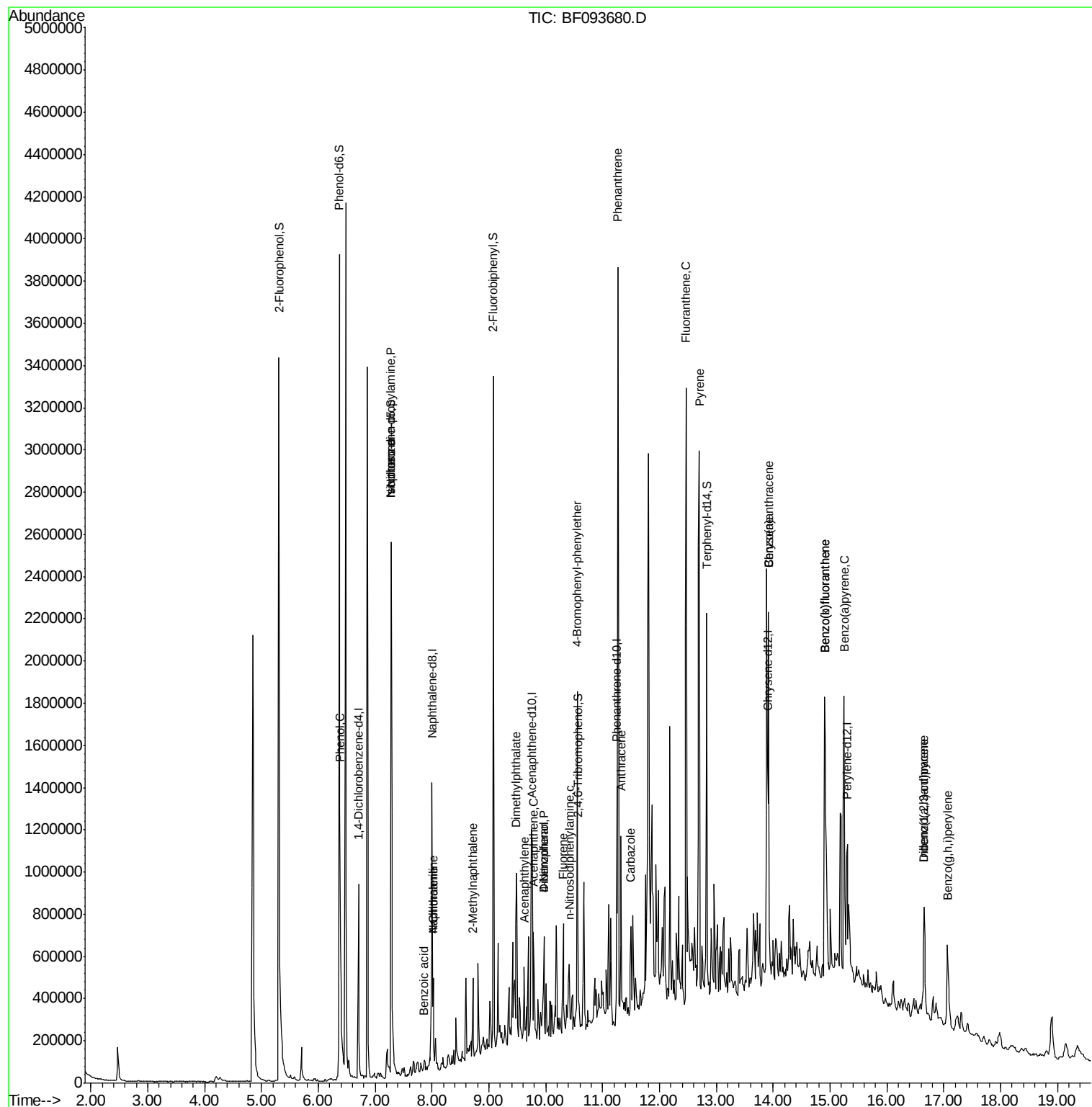
Target Compounds						Qvalue
10) Phenol	6.38	94	141950	8.98	ng	94
19) n-Nitroso-di-n-propylamine	7.28	70	139051	15.68	ng	# 85
25) Isophorone	7.28	82	998641	42.46	ng	# 65
31) Naphthalene	8.02	128	224196	6.91	ng	98
32) Benzoic acid	7.86	122	12526	2.48	ng	# 75
33) 4-Chloroaniline	8.02	127	30792	2.34	ng	# 38
37) 2-Methylnaphthalene	8.72	142	122549	5.94	ng	97
48) Acenaphthylene	9.62	152	115829	4.55	ng	100
49) Dimethylphthalate	9.49	163	296775	16.16	ng	100
51) Acenaphthene	9.78	154	124084	8.24	ng	97
54) Dibenzofuran	9.97	168	141064	7.48	ng	92
55) 4-Nitrophenol	9.97	139	54623	23.23	ng	# 9
57) Fluorene	10.31	166	156359	9.79	ng	97
65) n-Nitrosodiphenylamine	10.41	169	31860	2.51	ng	# 70
66) 4-Bromophenyl-phenylether	10.55	248	15271	3.81	ng	# 1
70) Phenanthrene	11.27	178	1410895	65.15	ng	99
71) Anthracene	11.33	178	403358	18.41	ng	98
72) Carbazole	11.50	167	136696	6.64	ng	98
74) Fluoranthene	12.47	202	1470234	70.28	ng	94
77) Pvrene	12.70	202	1445284	64.31	ng	99
80) Benzo(a)anthracene	13.92	228	513041	28.12	ng	95
82) Chrysene	13.92	228	511104	30.27	ng	99
85) Indeno(1,2,3-cd)pyrene	16.65	276	354149	25.06	ng	96
87) Benzo(b)fluoranthene	14.91	252	1074165	49.99	ng	# 97
88) Benzo(k)fluoranthene	14.91	252	1074165	51.84	ng	# 96
89) Benzo(a)pyrene	15.25	252	659812	33.60	ng	97
90) Dibenzo(a,h)anthracene	16.65	278	82072	5.05	ng	# 81
91) Benzo(g,h,i)perylene	17.07	276	332337	19.93	ng	# 91

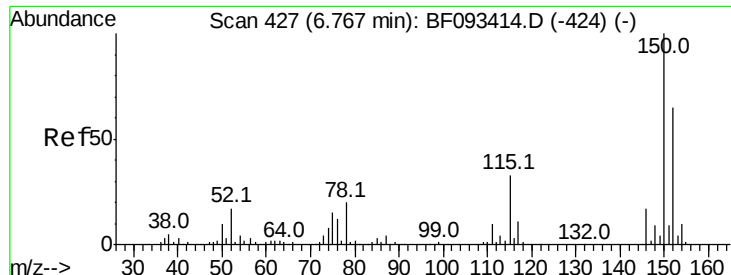
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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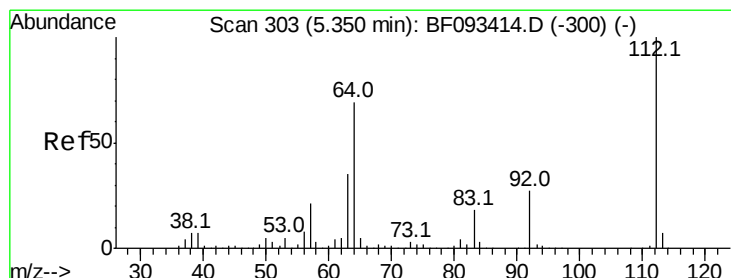
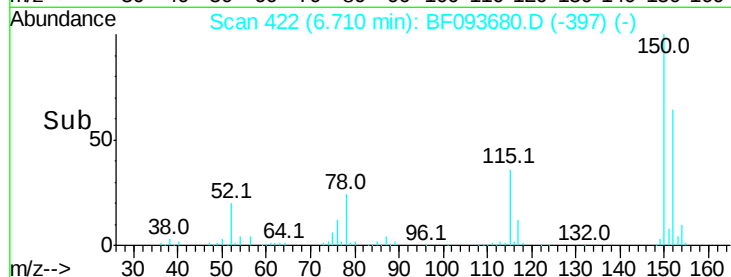
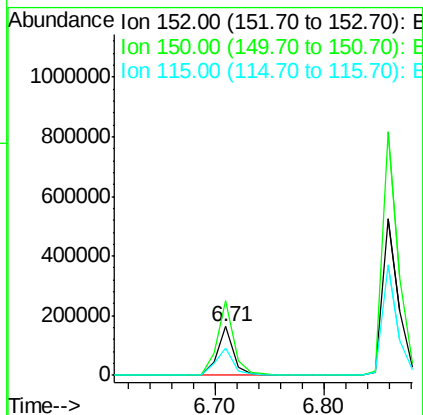
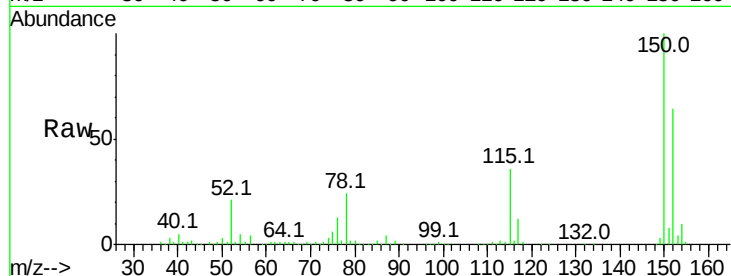


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

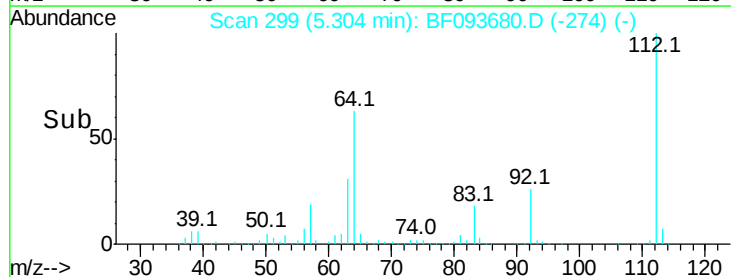
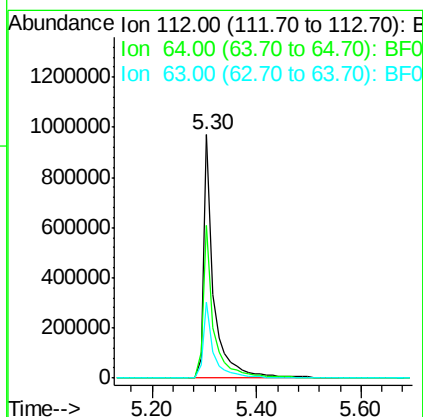
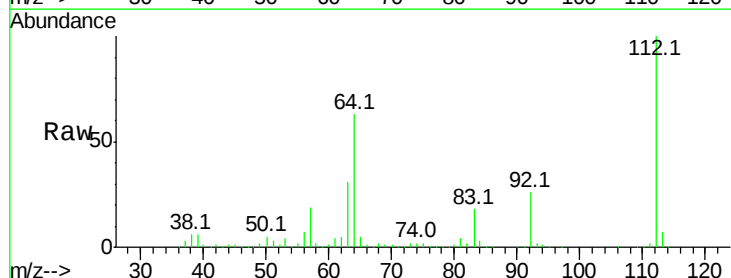
Tot Ion:152 Resp: 170293
Ion Ratio Lower Upper
152 100
150 155.1 124.9 187.3
115 55.4 46.0 69.0

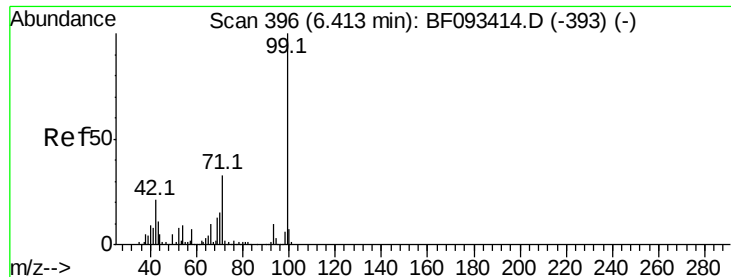


#5

2-Fluorophenol
Concen: 128.10 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:112 Resp: 1310674
Ion Ratio Lower Upper
112 100
64 62.8 46.1 69.1
63 31.3 23.8 35.6





#7

Phenol-d6

Concen: 125.28 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

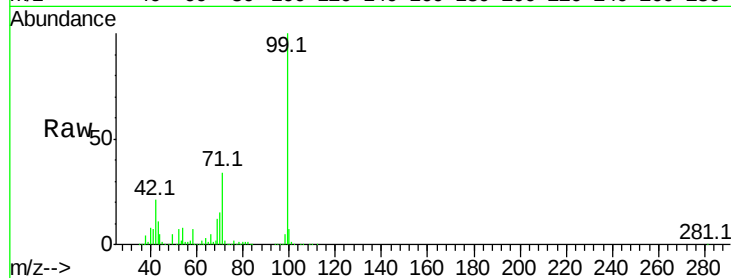
Tot Ion: 99 Resp: 1616439

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

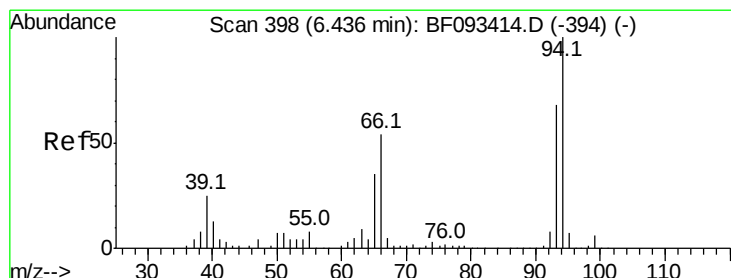
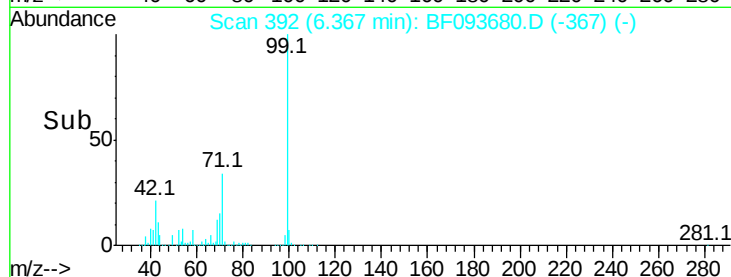
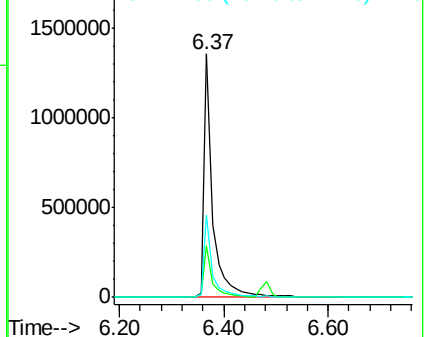
71 33.9 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.98 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

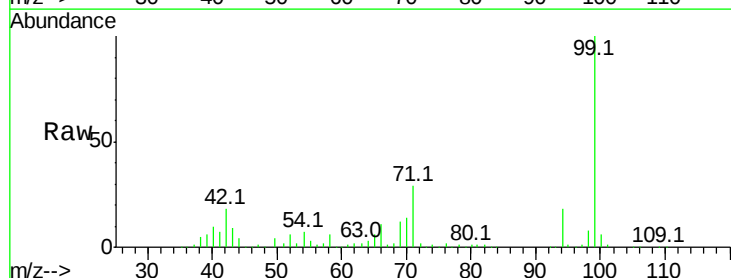
Tgt Ion: 94 Resp: 141950

Ion Ratio Lower Upper

94 100

65 33.0 21.4 61.4

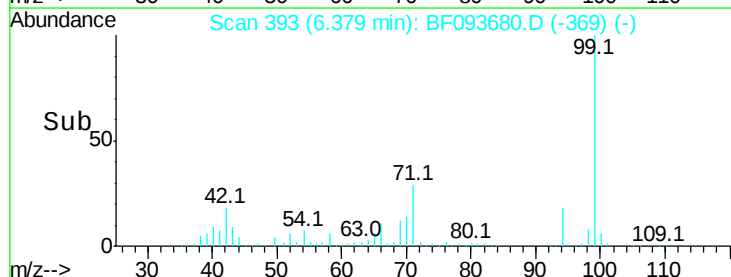
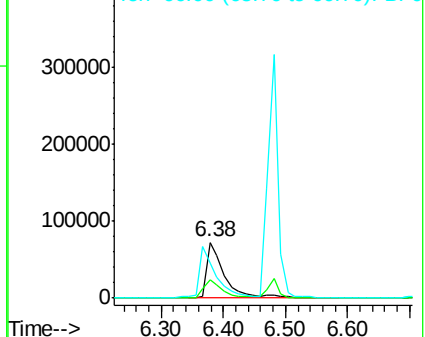
66 62.6 44.0 84.0

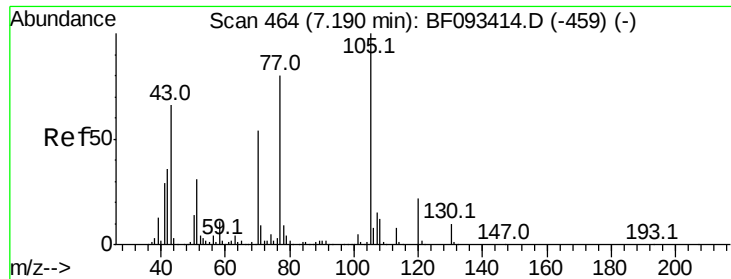


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

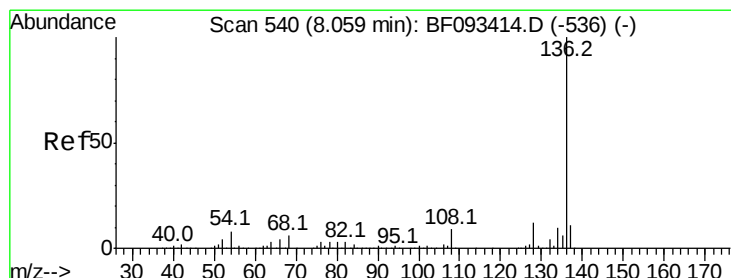
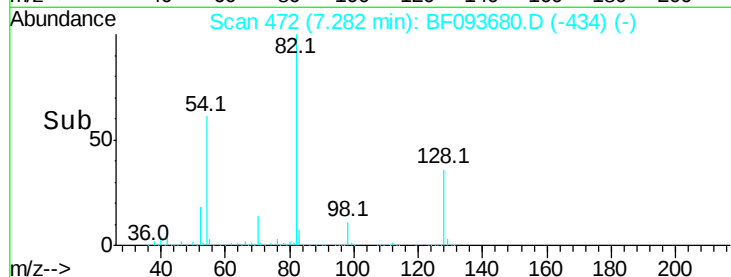
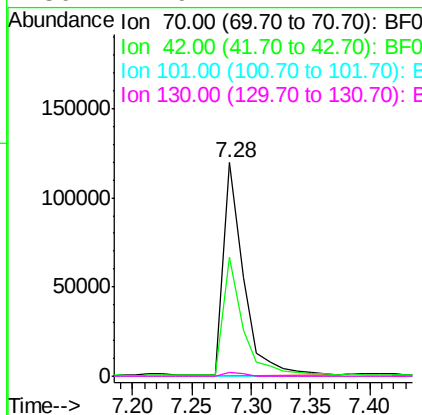
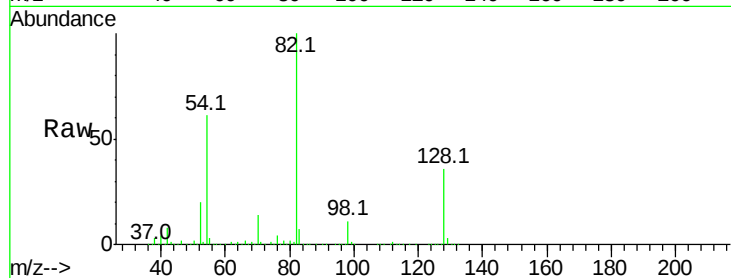




#19
n-Nitroso-di-n-propylamine
Concen: 15.68 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

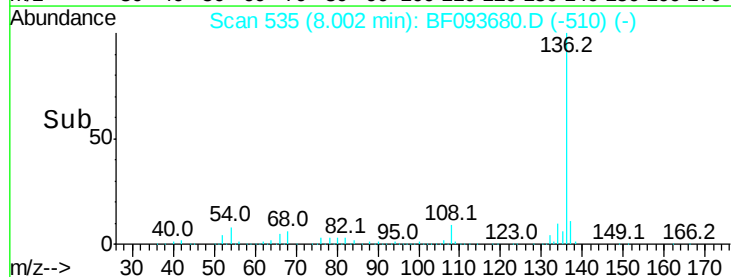
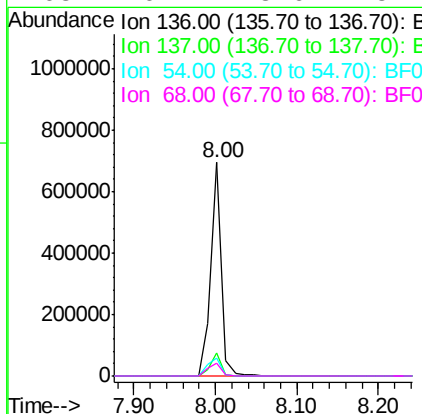
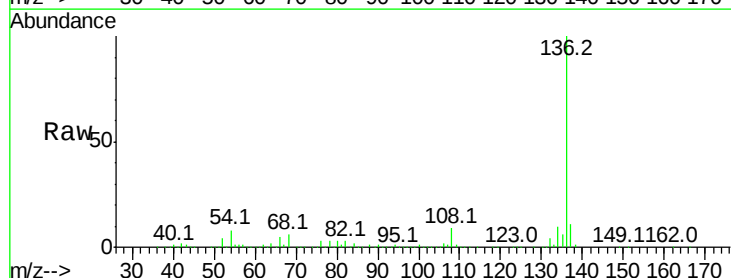
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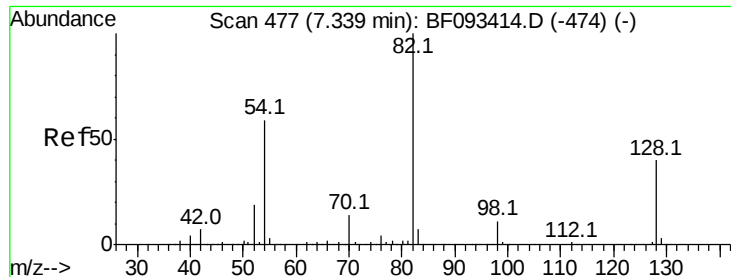
Tot Ion: 70 Resp: 139051
Ion Ratio Lower Upper
70 100
42 55.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:136 Resp: 647149
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.2 4.5 6.7#
68 6.1 3.6 5.4#

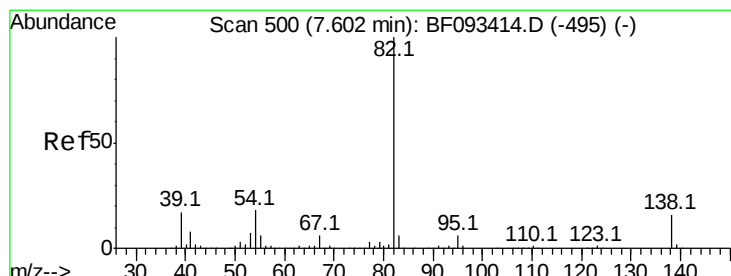
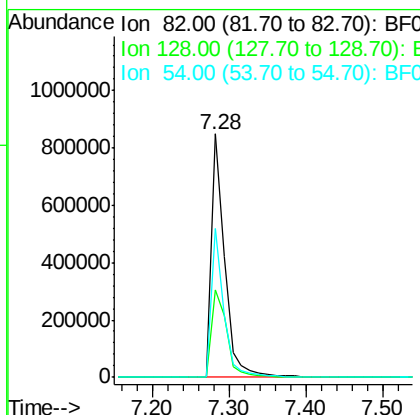
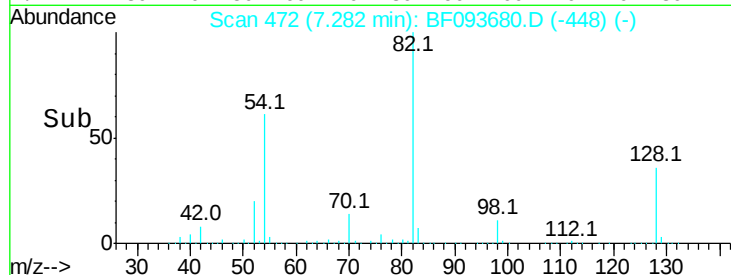
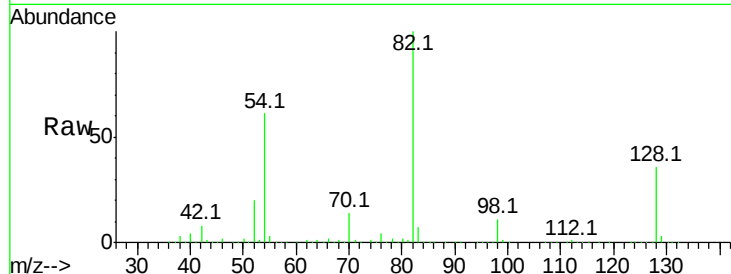




#23
 Nitrobenzene-d5
 Concen: 86.76 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093680.D
 Acq: 15 Mar 2017 20:54

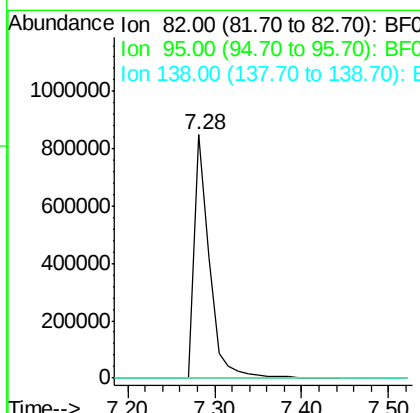
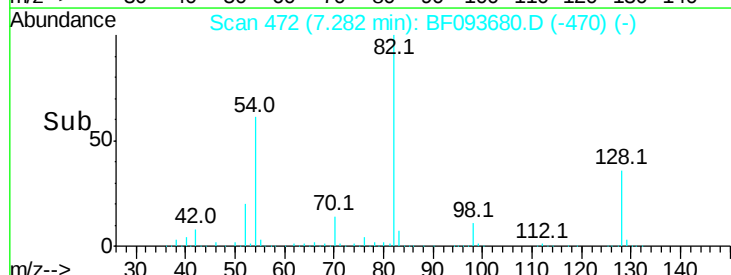
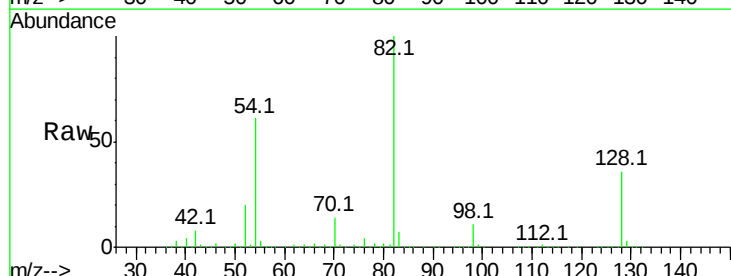
Instrument :
 BNA_F
 ClientSampleId :
 E2-DD7-SSW

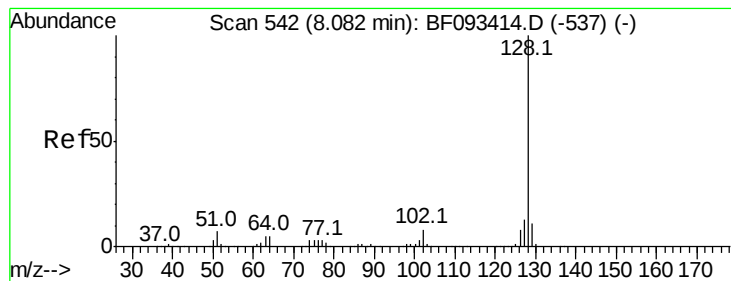
Tot Ion: 82 Resp: 1011912
 Ion Ratio Lower Upper
 82 100
 128 35.9 34.6 52.0
 54 61.3 39.5 59.3#



#25
 Isophorone
 Concen: 42.46 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093680.D
 Acq: 15 Mar 2017 20:54

Tgt Ion: 82 Resp: 998641
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.6 8.4#
 138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 6.91 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

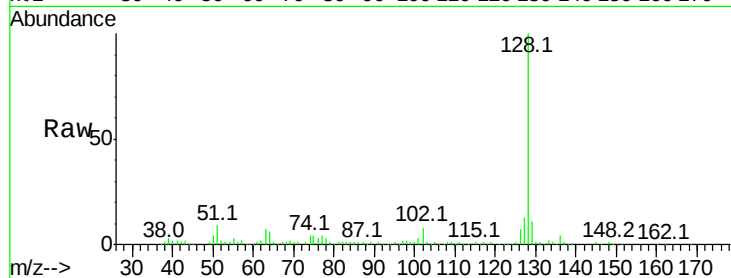
Tot Ion:128 Resp: 224196

Ion Ratio Lower Upper

128 100

129 10.8 9.5 14.3

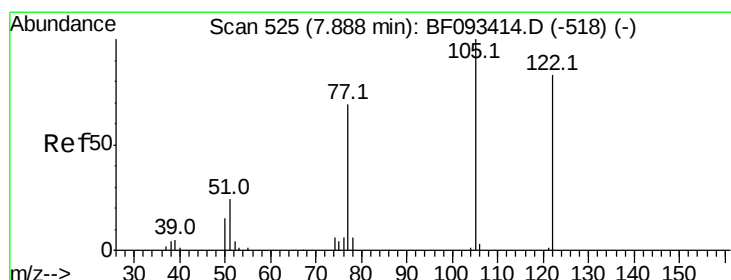
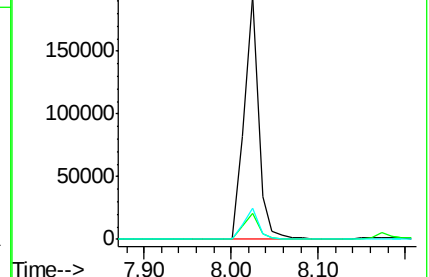
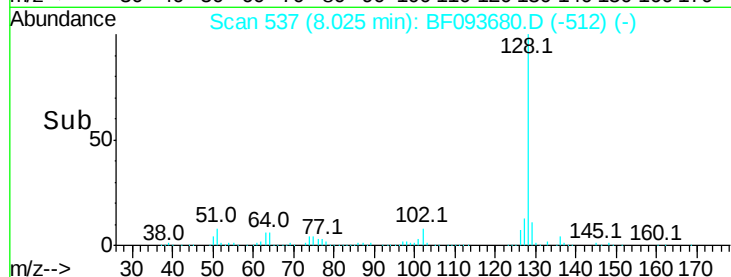
127 13.0 10.8 16.2



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: 2.48 ng

RT: 7.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

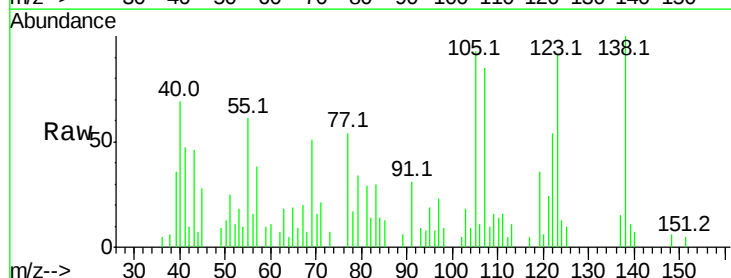
Tgt Ion:122 Resp: 12526

Ion Ratio Lower Upper

122 100

105 171.9 107.2 147.2#

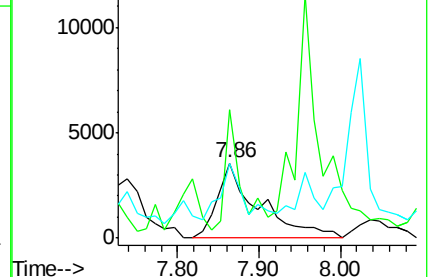
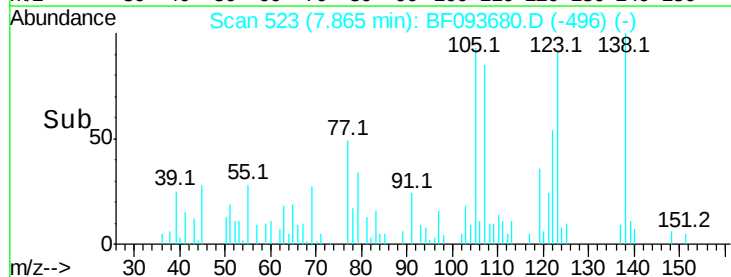
77 100.3 74.5 114.5

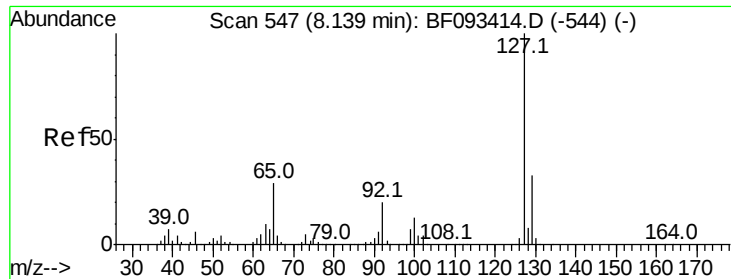


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

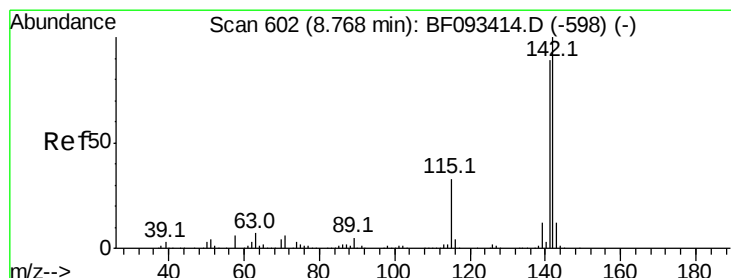
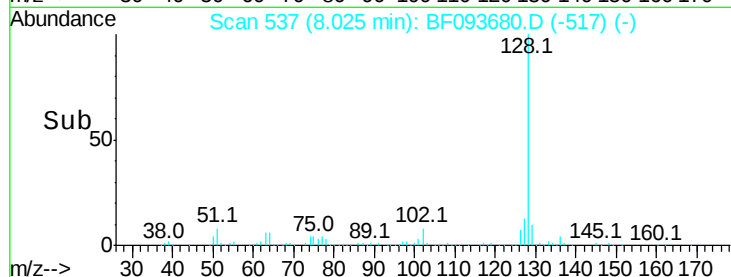
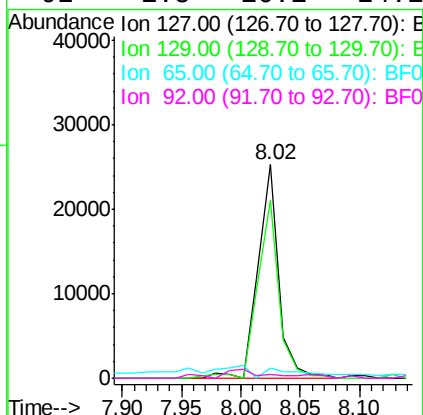
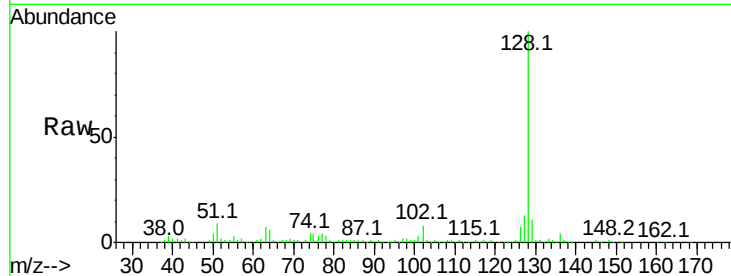




#33
4-Chloroaniline
Concen: 2.34 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.07 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

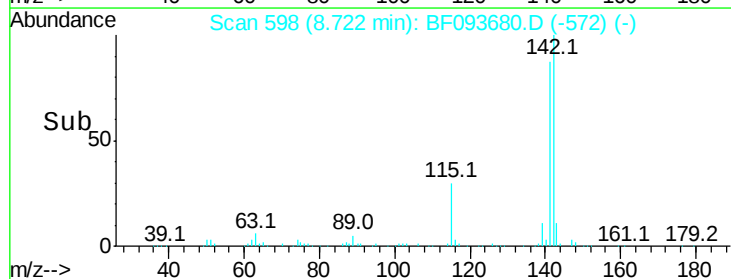
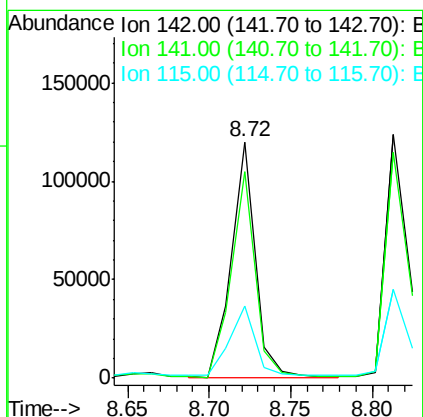
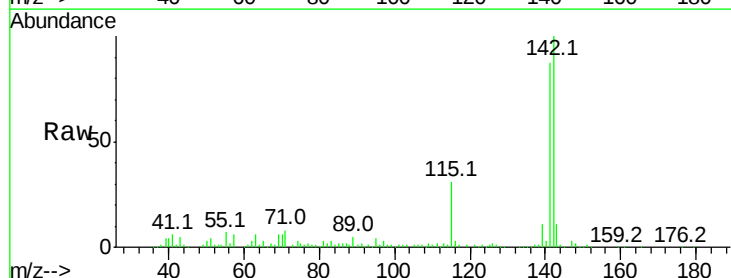
Instrument :
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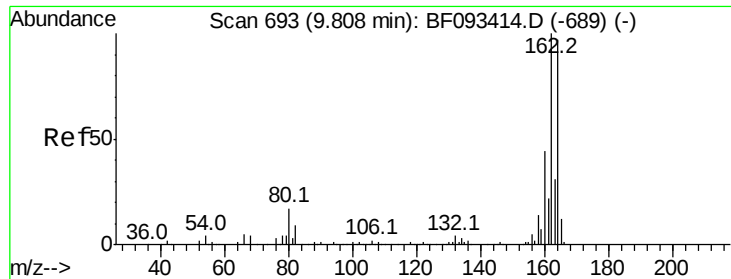
Tot Ion:	127	Resp:	30792
Ion	Ratio	Lower	Upper
127	100		
129	83.0	26.3	39.5#
65	5.1	25.8	38.8#
92	1.5	16.1	24.1#



#37
2-Methylnaphthalene
Concen: 5.94 ng
RT: 8.72 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:	142	Resp:	122549
Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.0	106.6
115	30.7	28.3	42.5

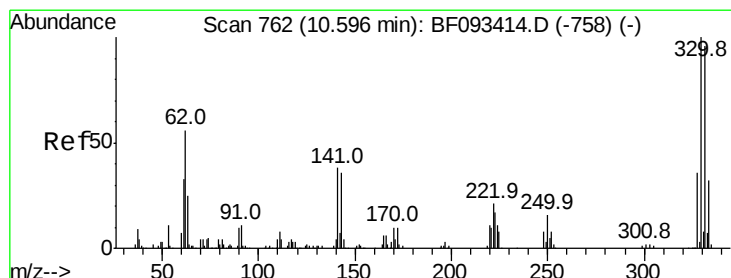
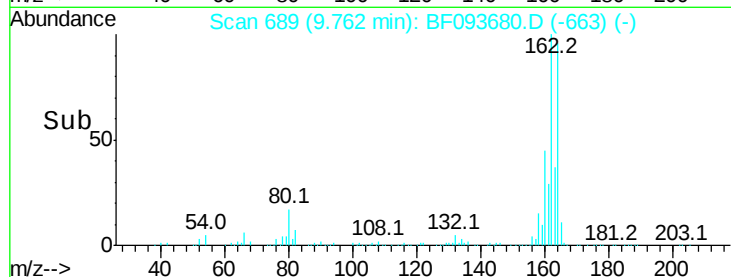
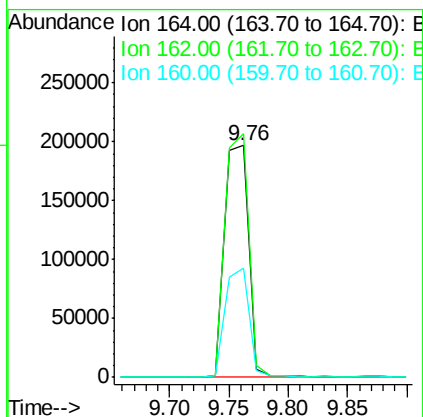
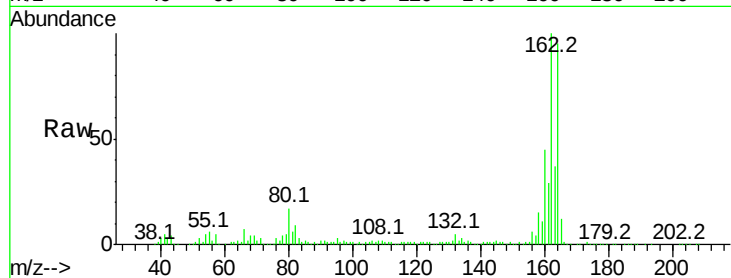




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

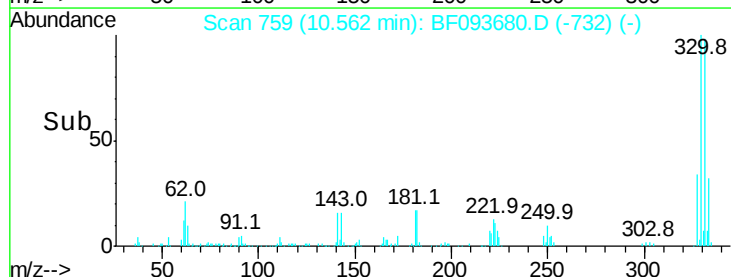
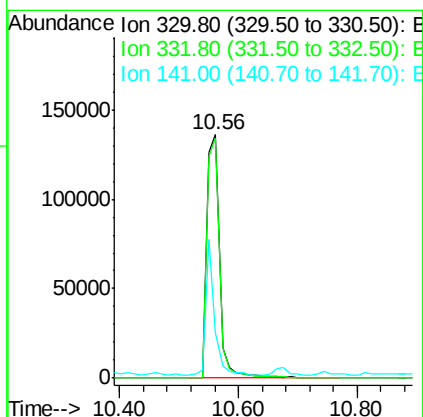
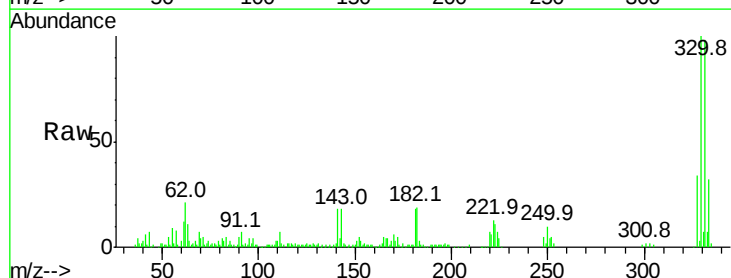
Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

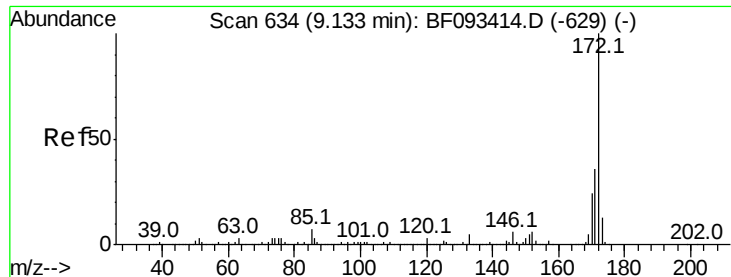
Tot Ion:164 Resp: 277004
Ion Ratio Lower Upper
164 100
162 104.9 80.2 120.2
160 47.3 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 113.82 ng
RT: 10.56 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:330 Resp: 205417
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.2
141 38.0 34.1 51.1





#44

2-Fluorobiphenyl

Concen: 84.05 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

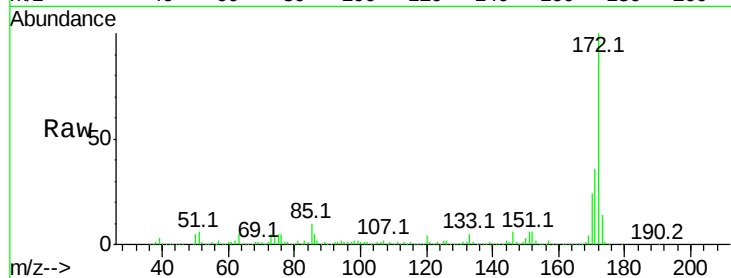
Tot Ion:172 Resp: 1251700

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

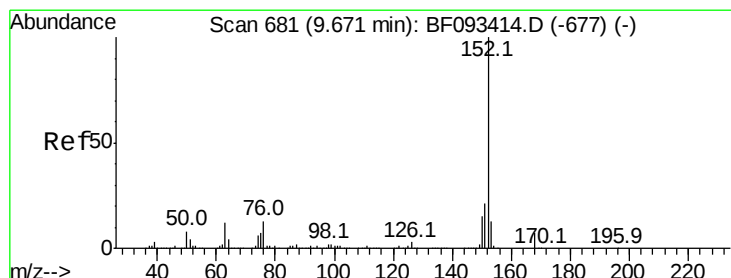
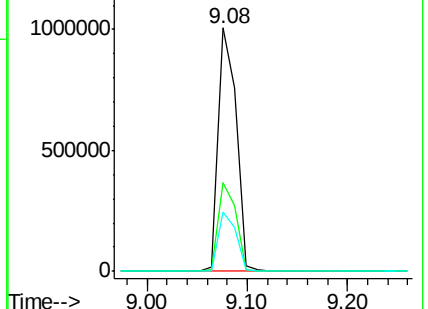
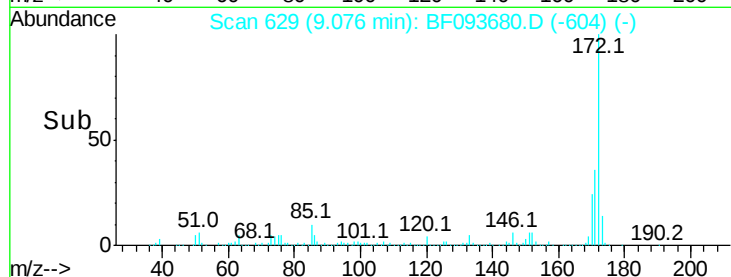
170 24.4 20.2 30.4



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: 4.55 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

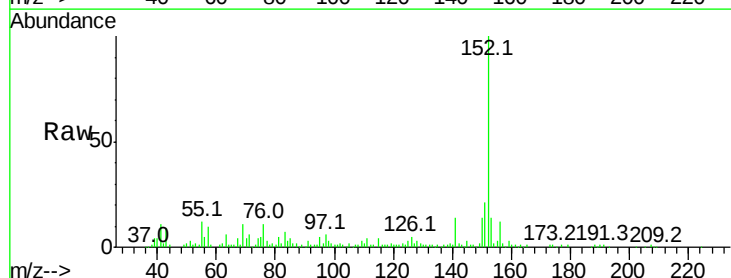
Tgt Ion:152 Resp: 115829

Ion Ratio Lower Upper

152 100

151 21.3 16.9 25.3

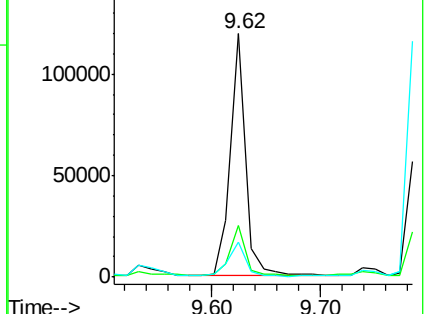
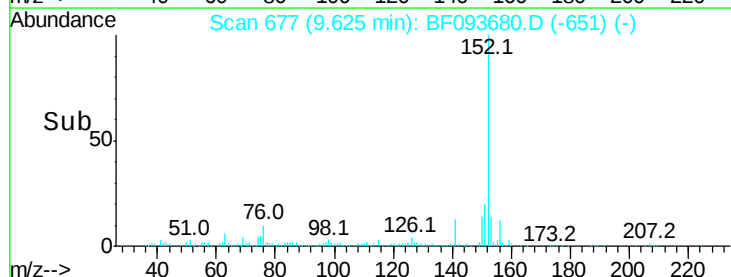
153 14.4 11.4 17.2

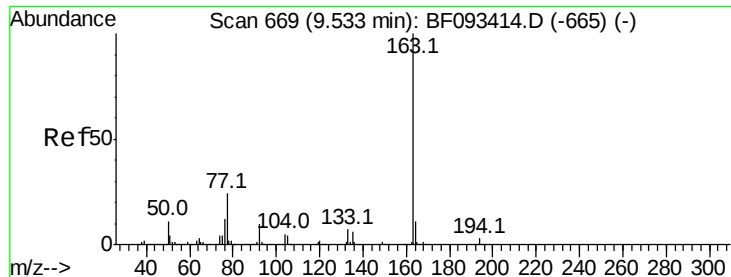


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

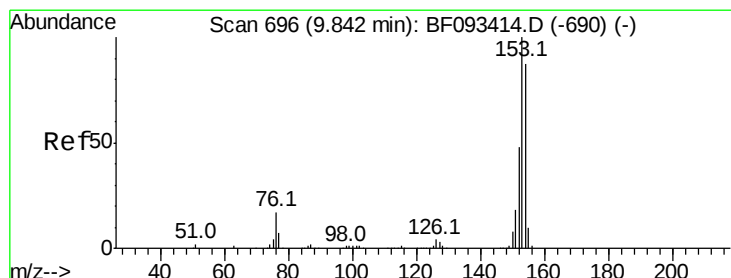
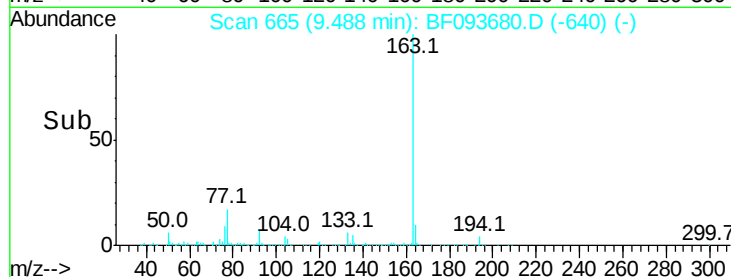
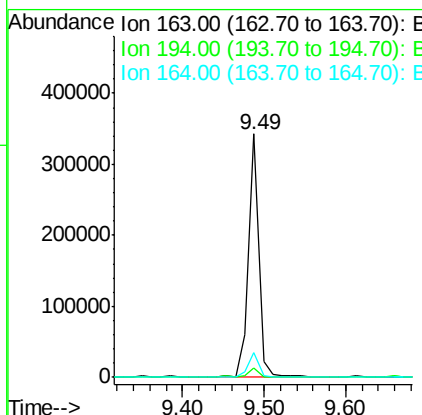
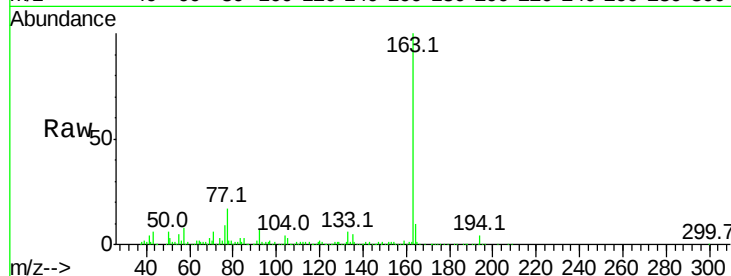




#49
Dimethylphthalate
Concen: 16.16 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

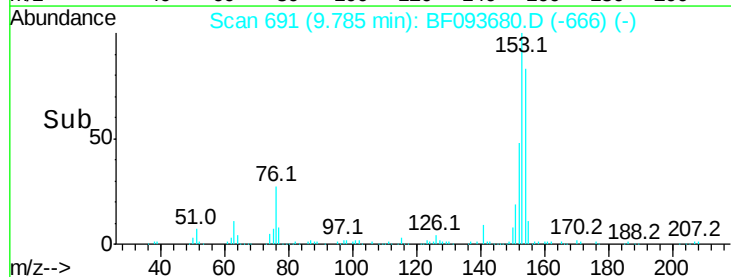
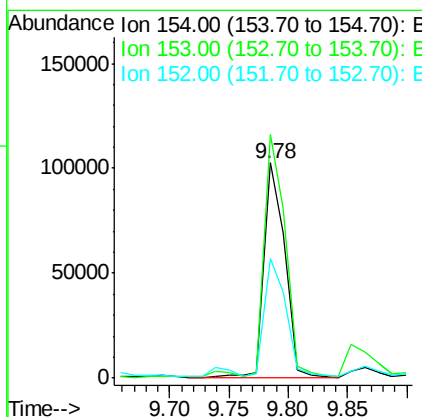
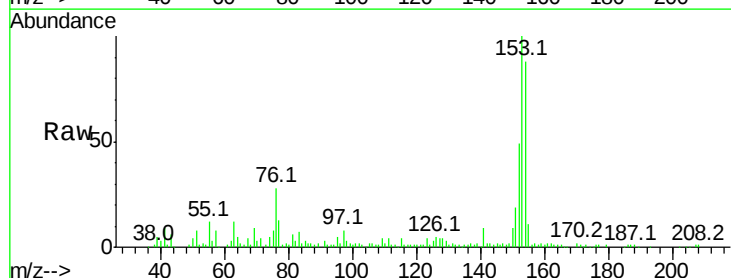
Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

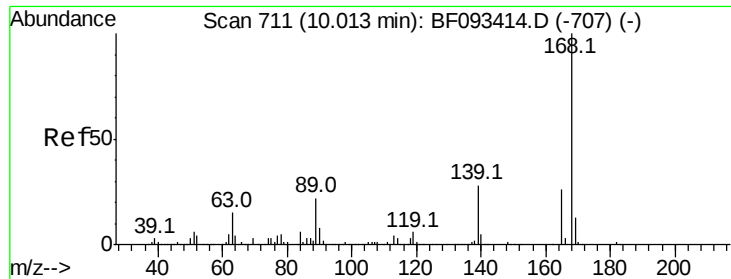
Tot Ion:163 Resp: 296775
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 9.9 8.0 12.0



#51
Acenaphthene
Concen: 8.24 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:154 Resp: 124084
Ion Ratio Lower Upper
154 100
153 113.3 88.6 133.0
152 55.8 41.6 62.4

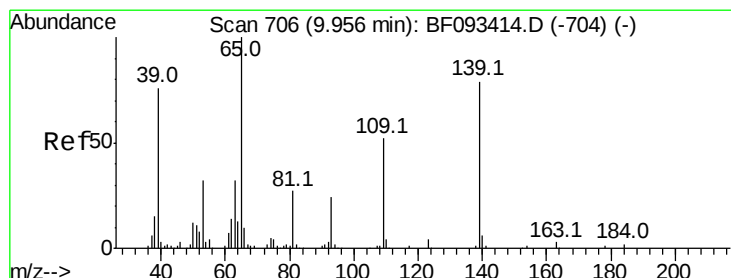
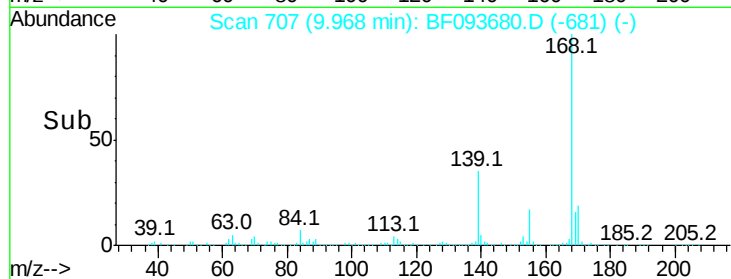
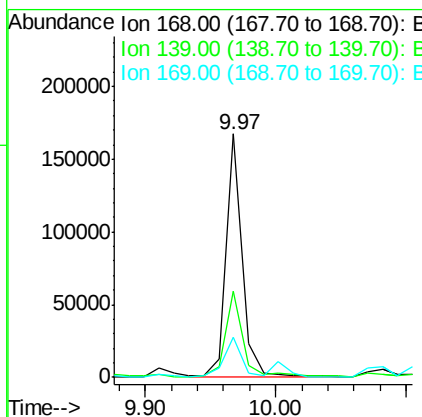
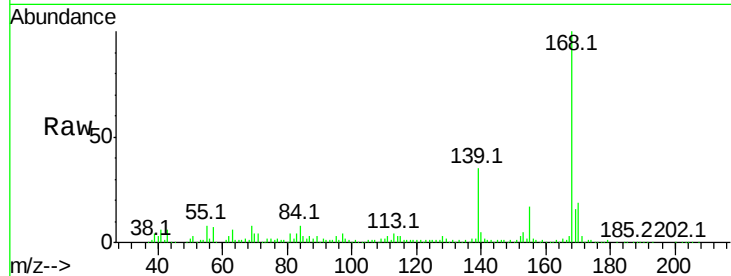




#54
Dibenzofuran
Concen: 7.48 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

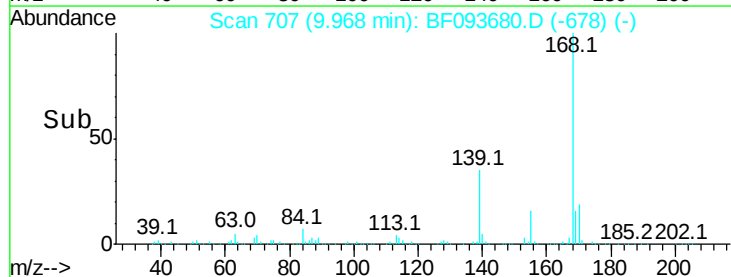
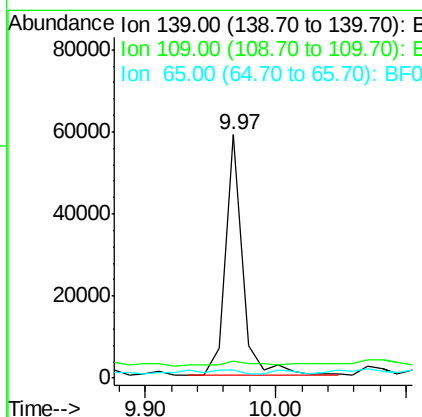
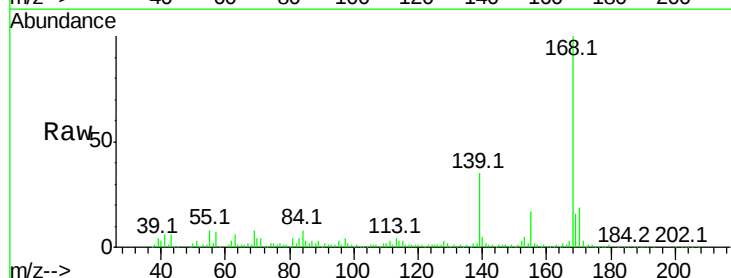
Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

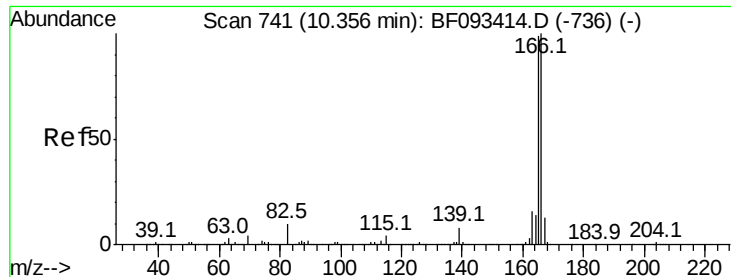
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.4	32.6	49.0
169	16.2	11.3	16.9



#55
4-Nitrophenol
Concen: 23.23 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.03 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	6.8	52.2	92.2#
65	3.4	85.8	125.8#





#57

Fluorene

Concen: 9.79 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

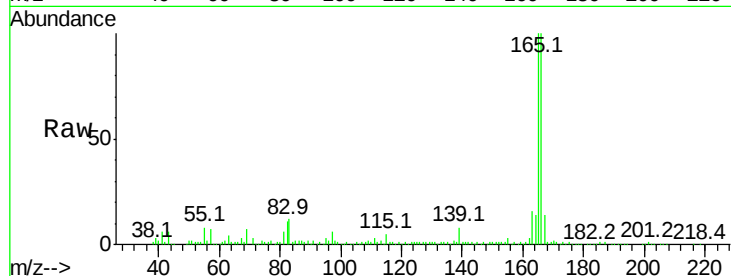
Tot Ion:166 Resp: 156359

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.8

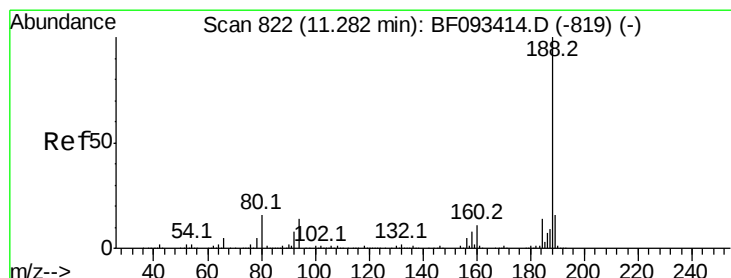
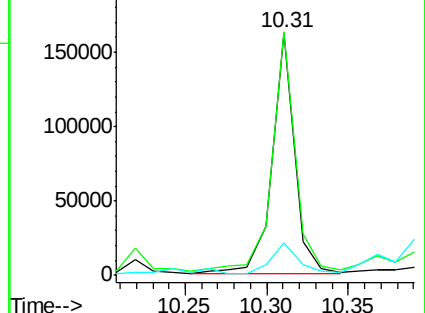
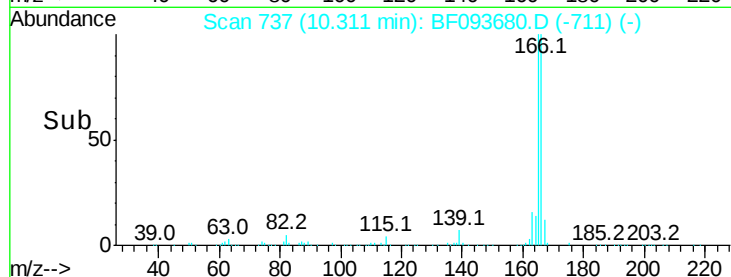
167 13.6 10.8 16.2



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: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

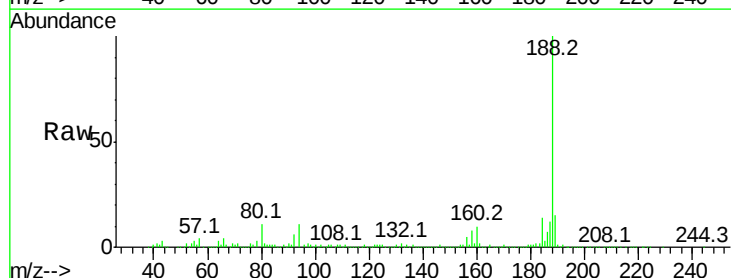
Tgt Ion:188 Resp: 379412

Ion Ratio Lower Upper

188 100

94 11.2 10.0 15.0

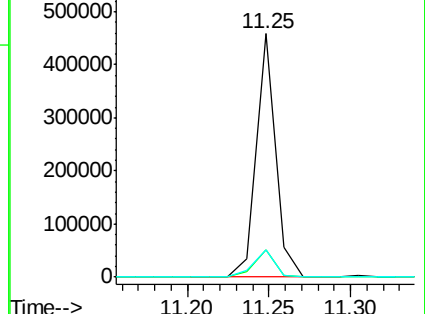
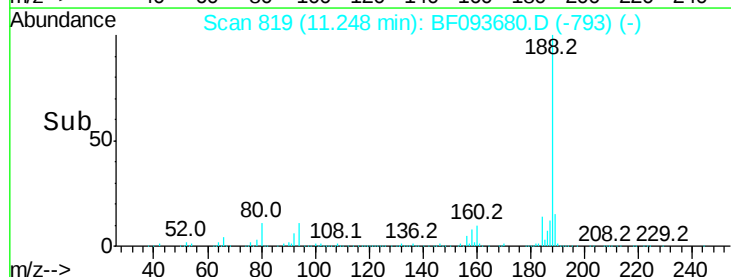
80 11.3 11.2 16.8

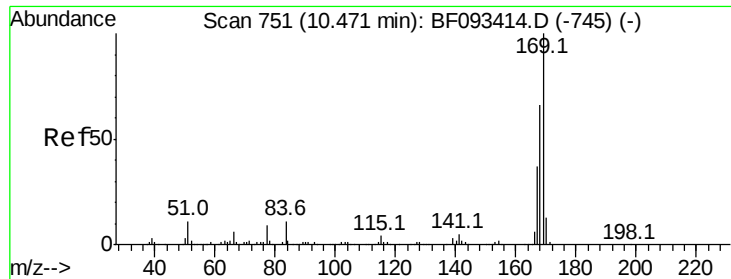


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.51 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

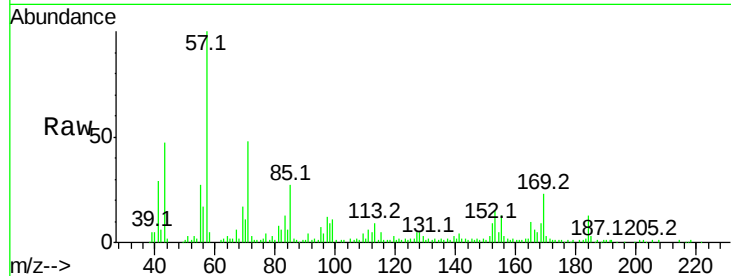
Tot Ion:169 Resp: 31860

Ion Ratio Lower Upper

169 100

168 40.2 54.2 81.2#

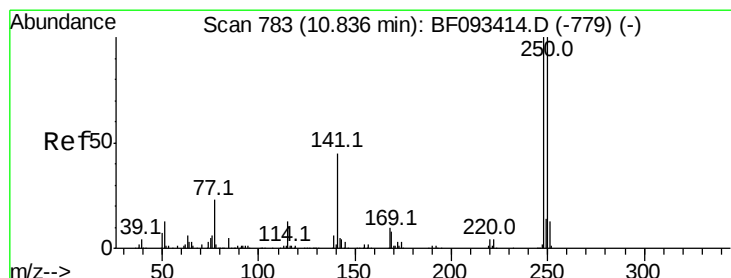
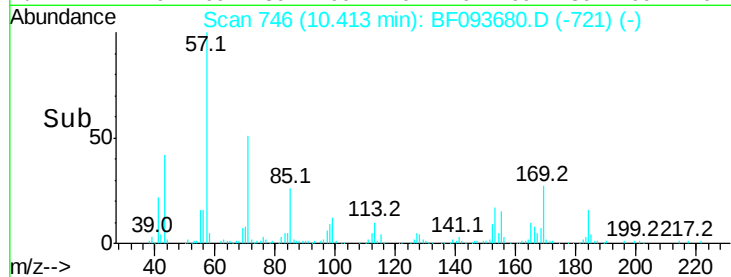
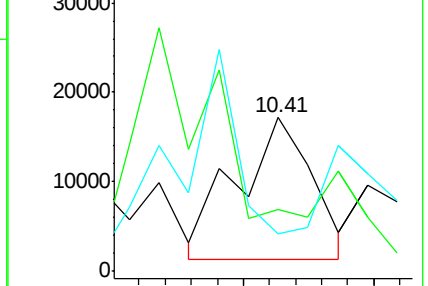
167 24.3 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.81 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

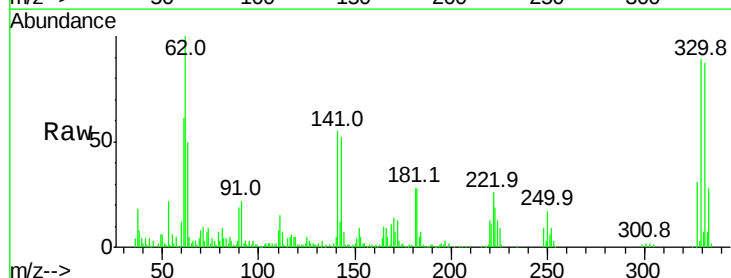
Tgt Ion:248 Resp: 15271

Ion Ratio Lower Upper

248 100

250 183.0 76.9 115.3#

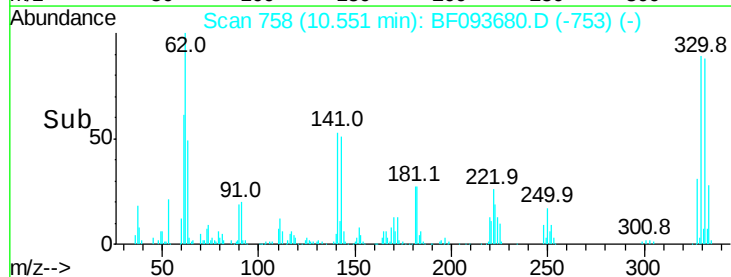
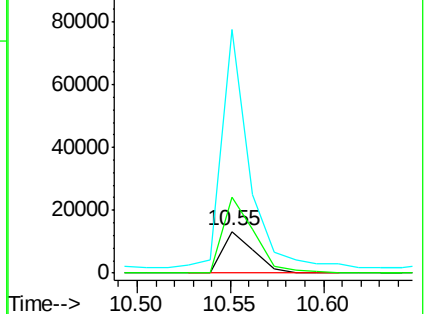
141 586.0 68.2 102.4#

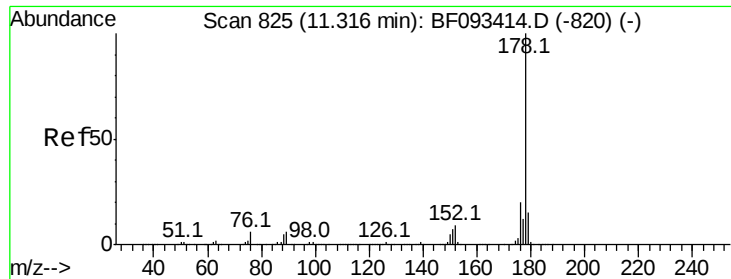


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

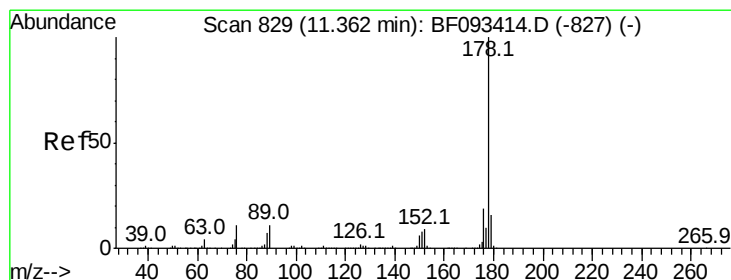
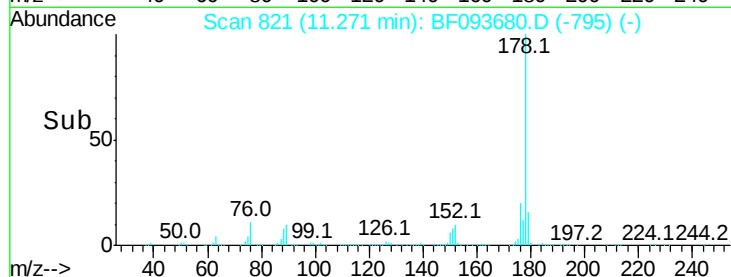
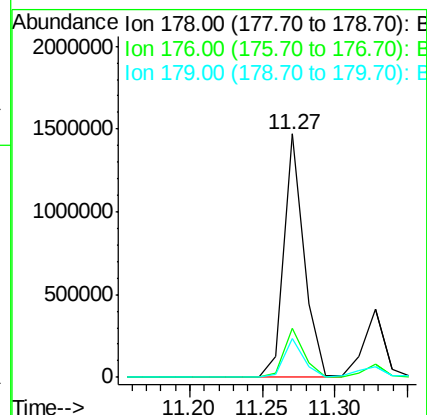
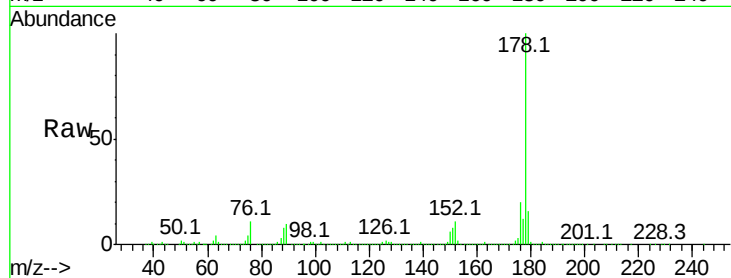




#70
Phenanthrene
Concen: 65.15 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

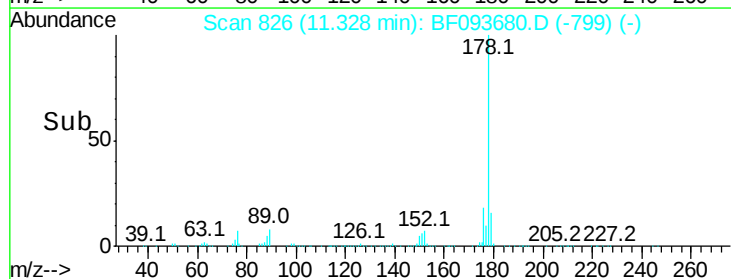
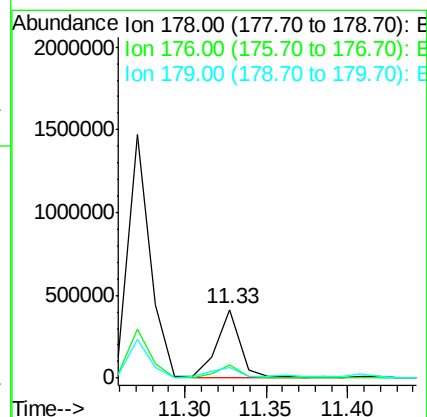
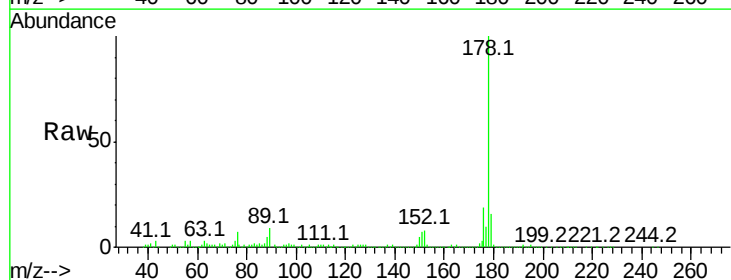
Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

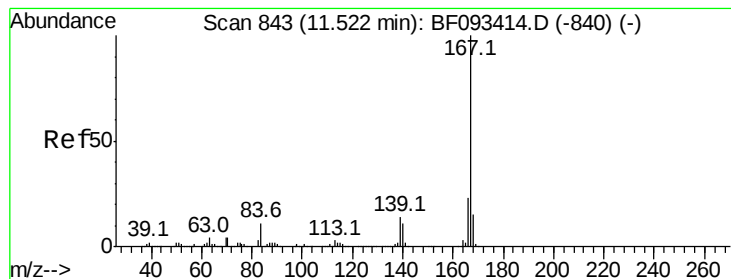
Tot Ion:178 Resp: 1410895
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 16.0 12.8 19.2



#71
Anthracene
Concen: 18.41 ng
RT: 11.33 min Scan# 826
Delta R.T. 0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:178 Resp: 403358
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.1 13.2 19.8





#72

Carbazole

Concen: 6.64 ng

RT: 11.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

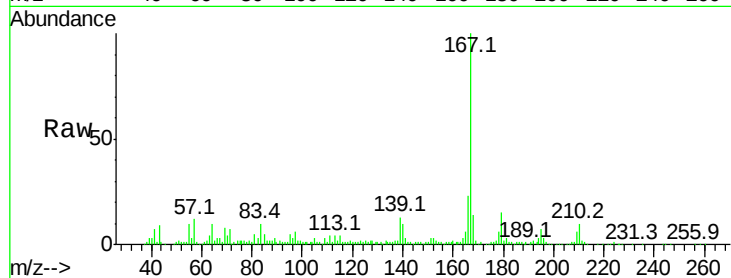
Tot Ion:167 Resp: 136696

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.2

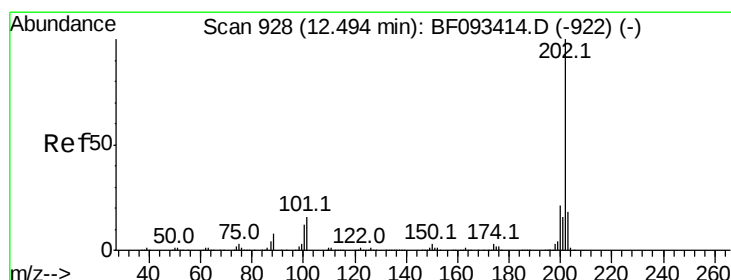
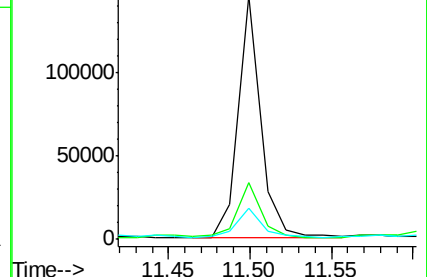
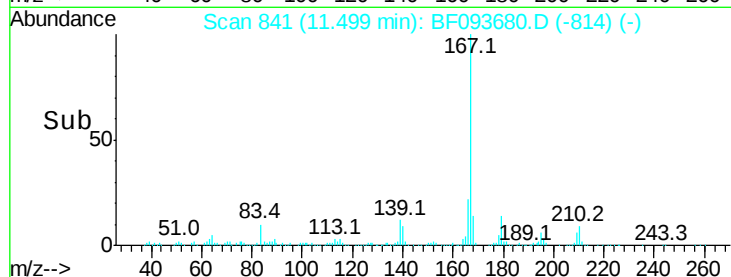
139 12.9 11.4 17.2



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: 70.28 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

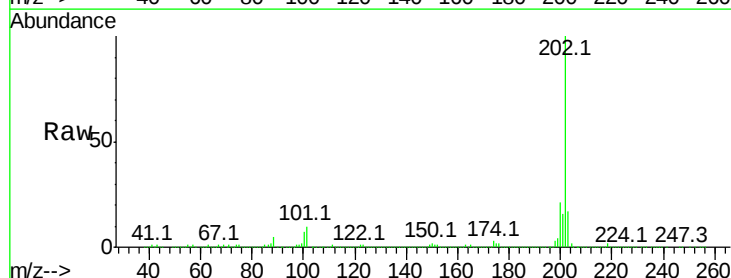
Tgt Ion:202 Resp: 1470234

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.6

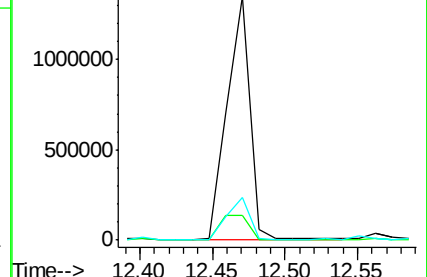
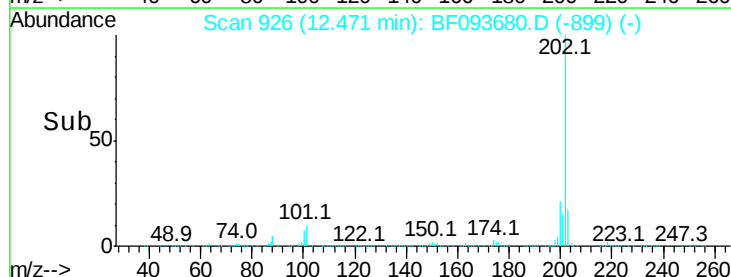
203 17.5 0.0 38.7

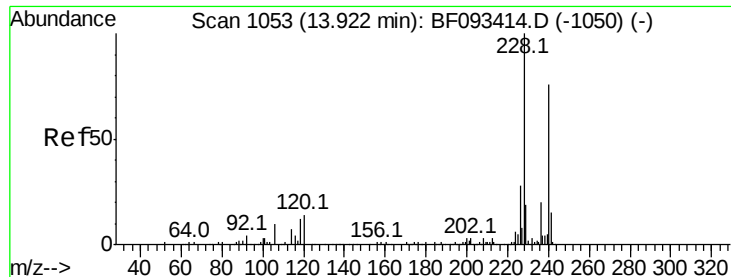


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

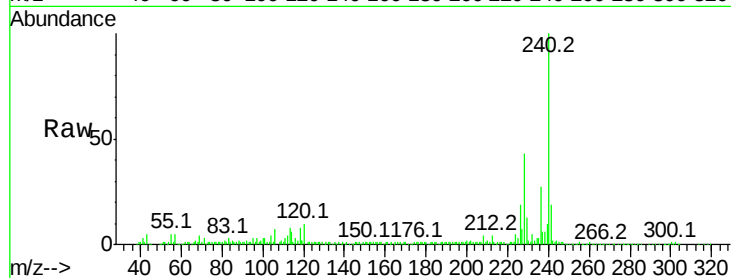
Tot Ion:240 Resp: 308994

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

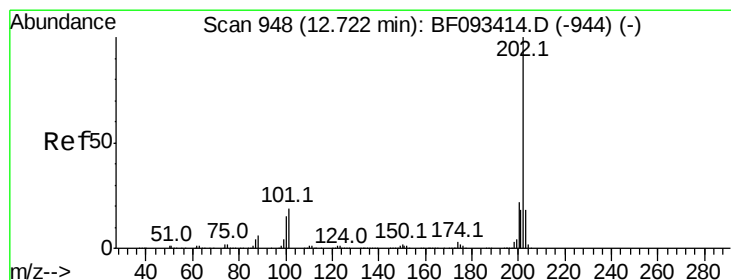
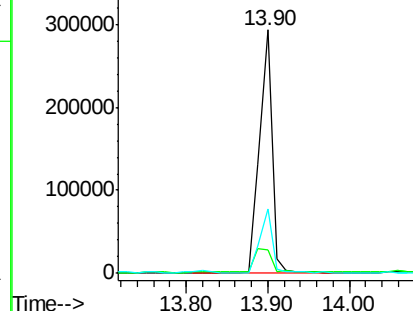
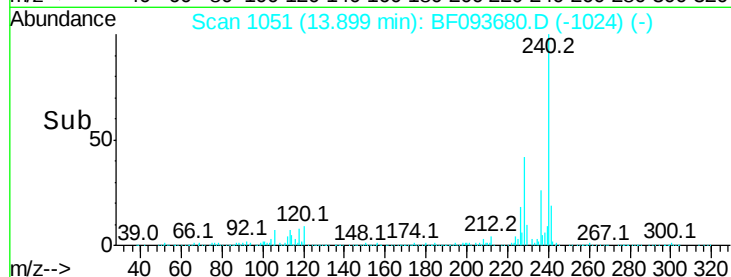
236 26.7 20.9 31.3



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: 64.31 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

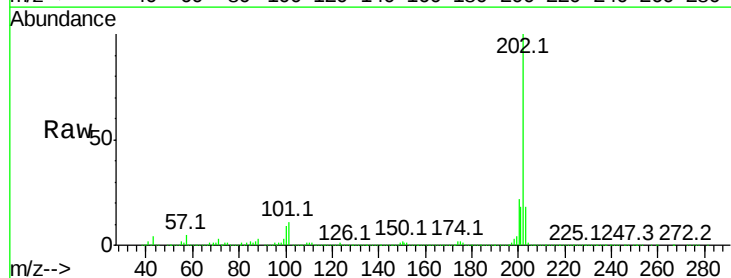
Tgt Ion:202 Resp: 1445284

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

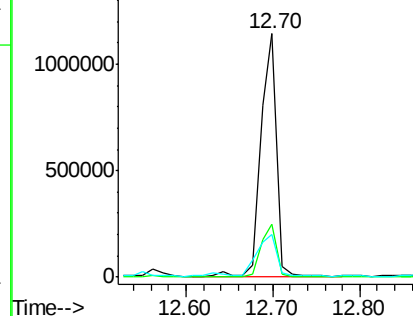
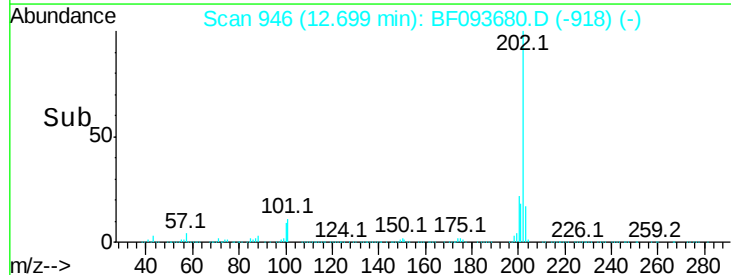
203 17.7 14.7 22.1

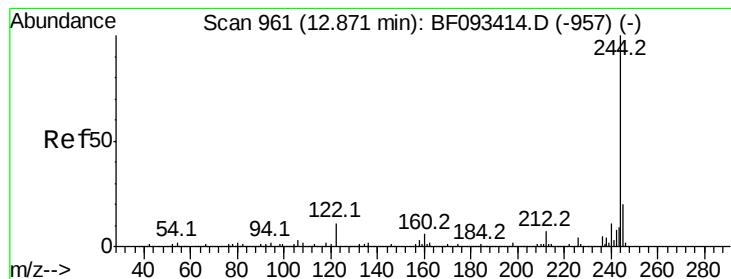


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.32 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

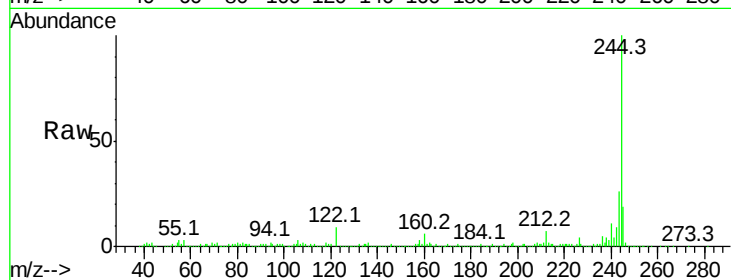
Tot Ion:244 Resp: 716942

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

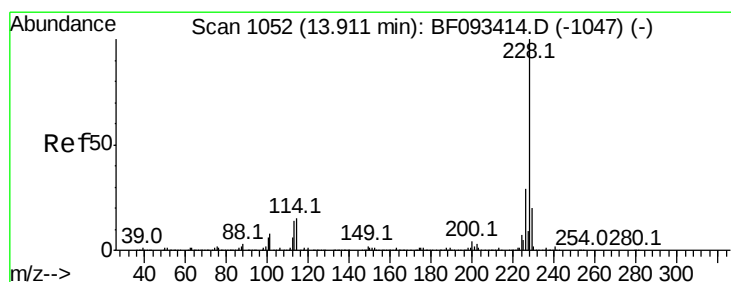
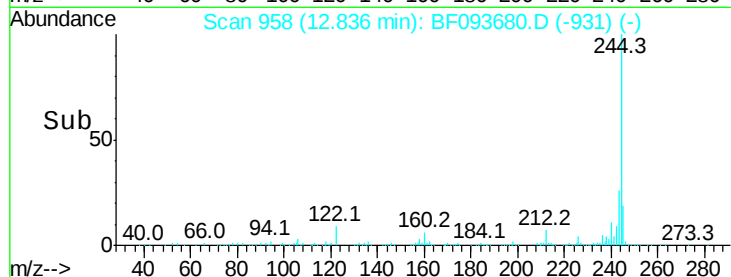
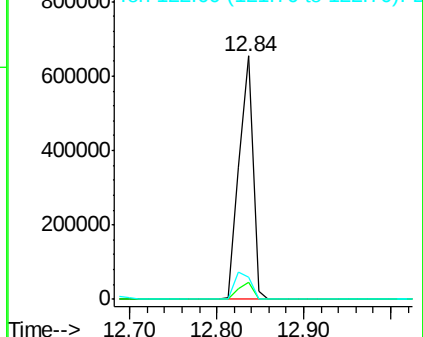
122 9.1 11.4 17.2#



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: 28.12 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.06 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

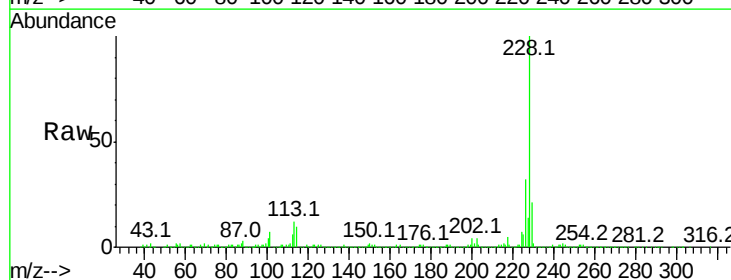
Tgt Ion:228 Resp: 513041

Ion Ratio Lower Upper

228 100

226 31.6 22.4 33.6

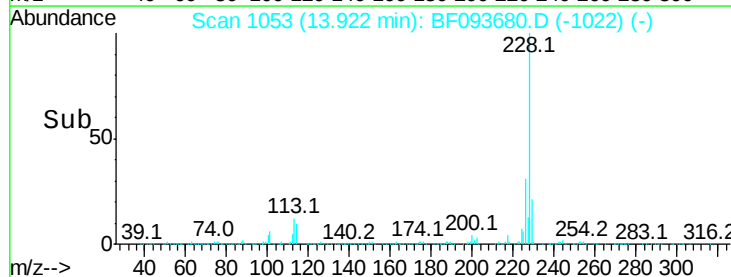
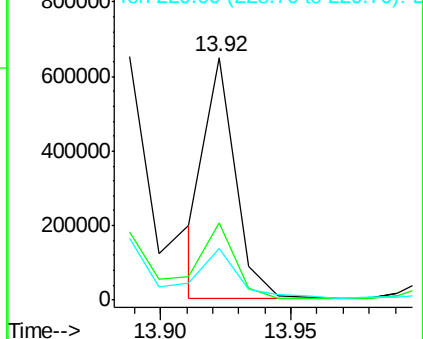
229 21.3 16.2 24.4

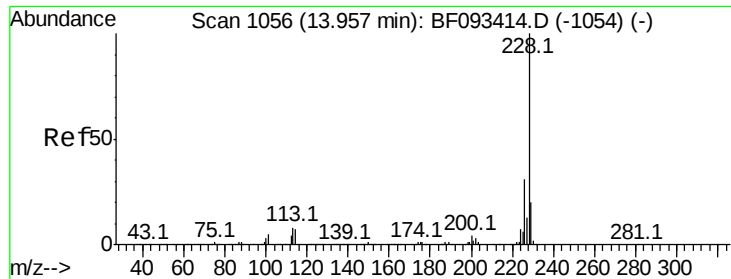


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 30.27 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

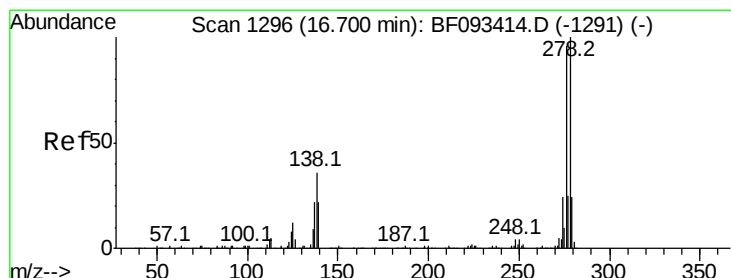
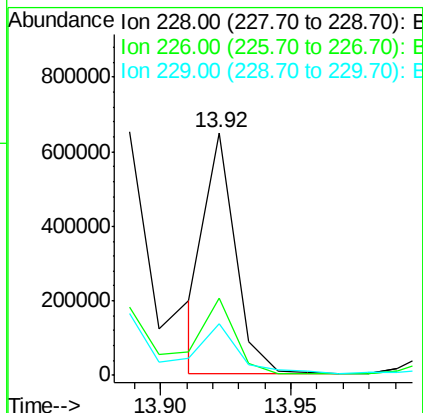
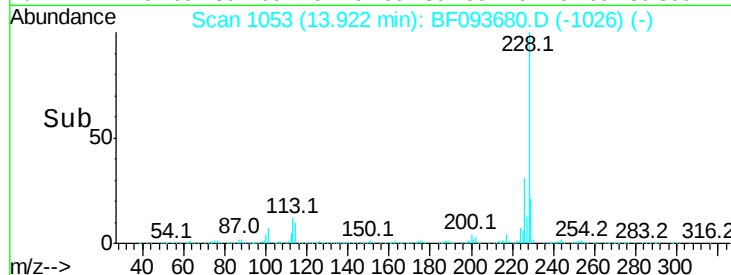
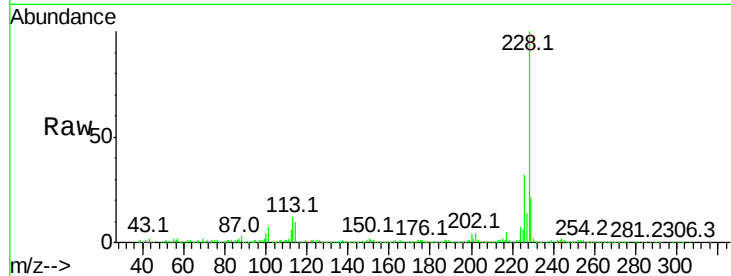
Tot Ion:228 Resp: 511104

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

229 21.3 16.2 24.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 25.06 ng

RT: 16.65 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

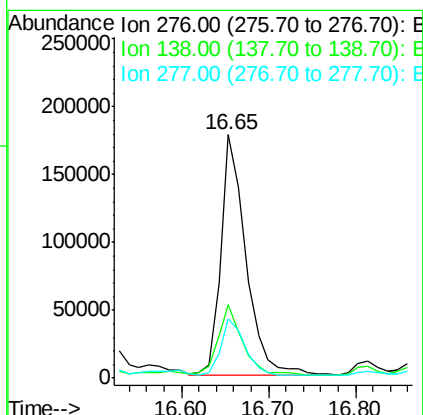
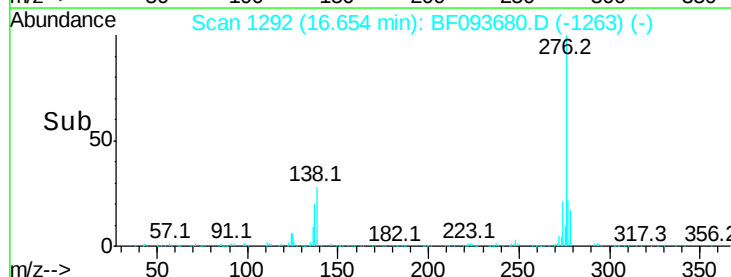
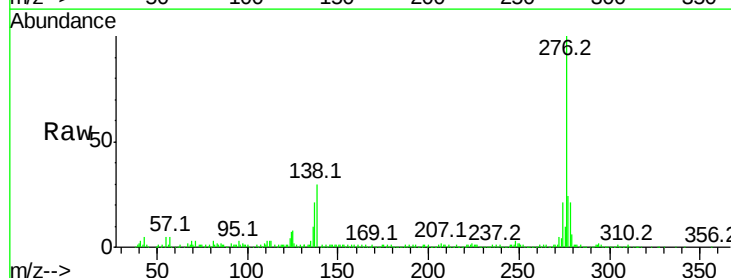
Tgt Ion:276 Resp: 354149

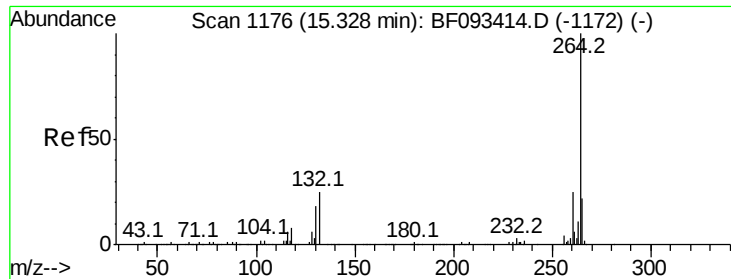
Ion Ratio Lower Upper

276 100

138 29.6 21.8 32.6

277 23.3 20.2 30.4



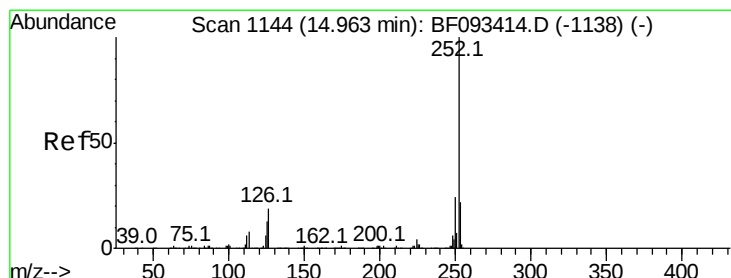
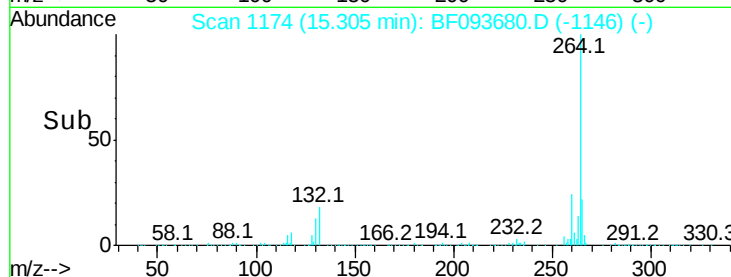
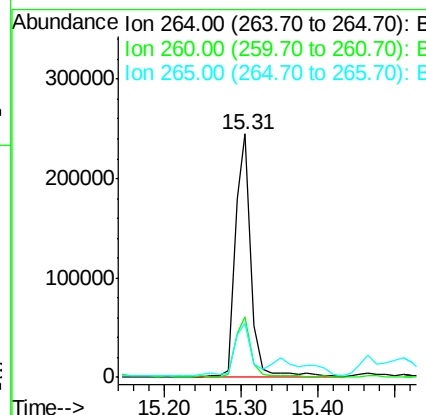
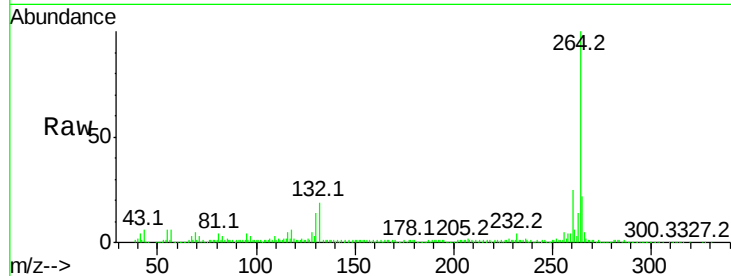


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

Tot Ion:264 Resp: 352804

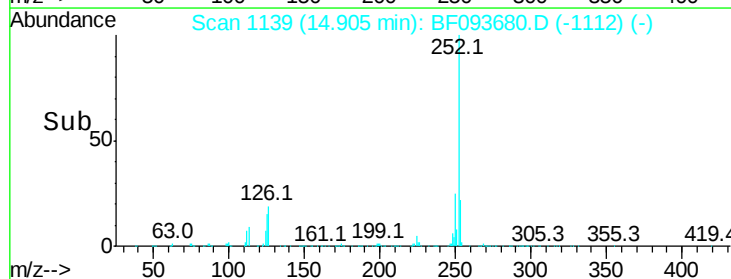
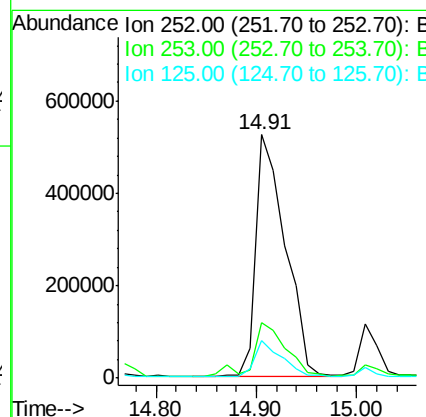
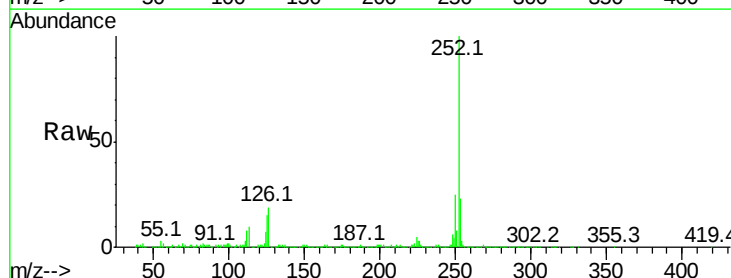
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.2	17.4	26.0

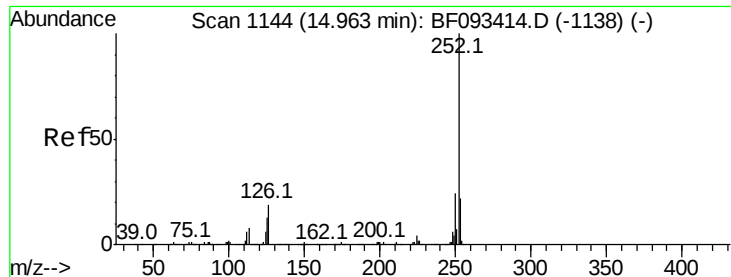


#87
Benzo(b)fluoranthene
Concen: 49.99 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:252 Resp: 1074165

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	15.4	9.8	14.6

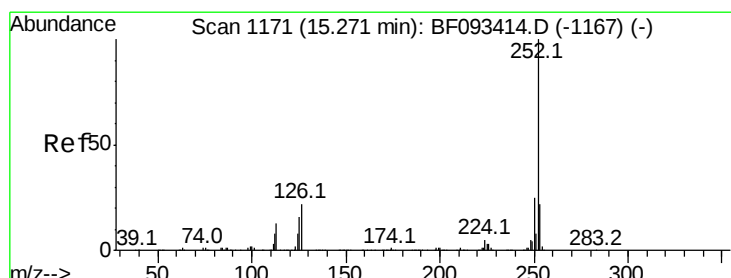
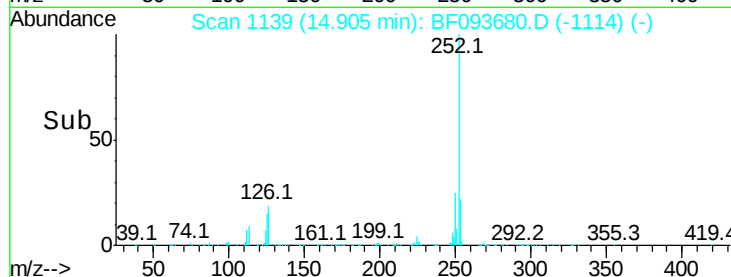
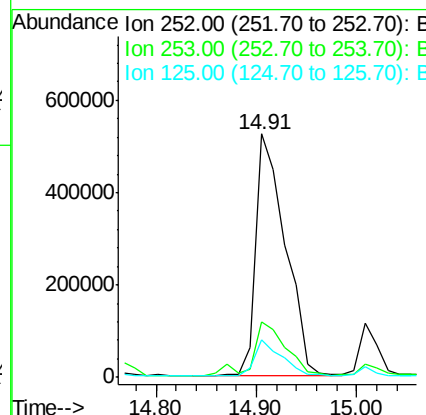
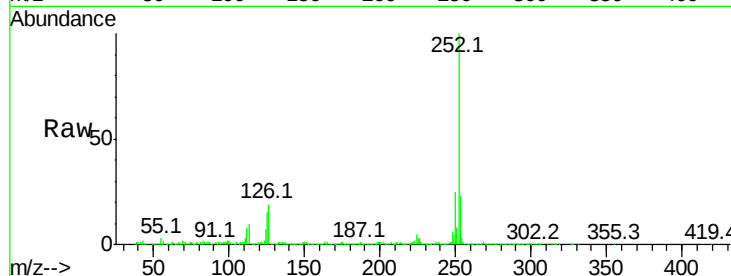




#88
Benzo(k)fluoranthene
Concen: 51.84 ng
RT: 14.91 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

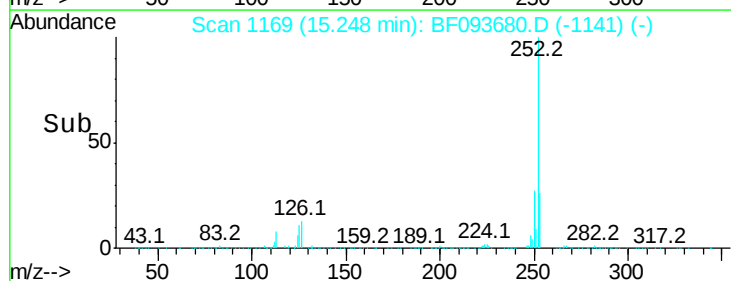
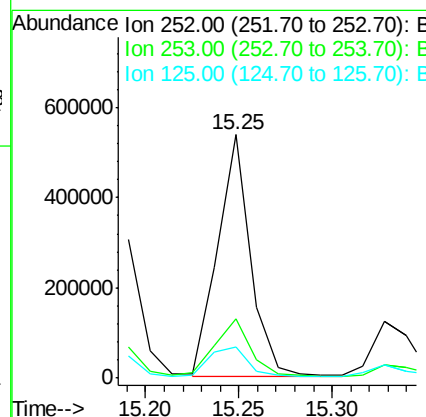
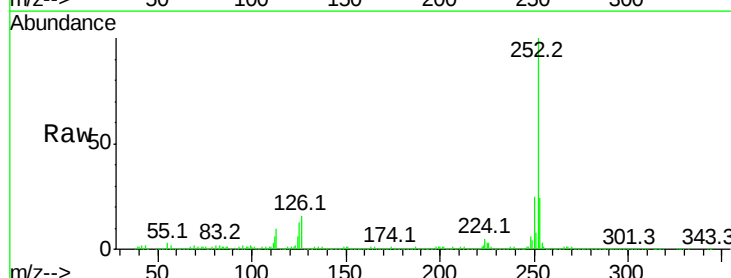
Instrument :
BNA_F
ClientSampleId :
E2-DD7-SSW

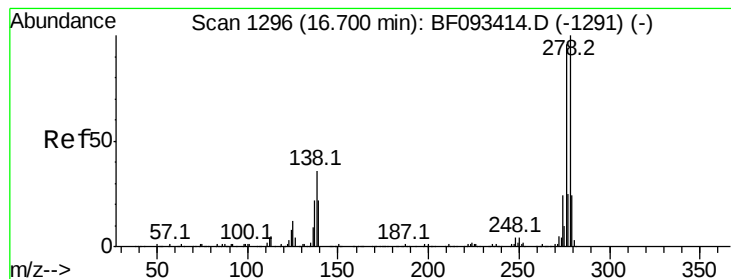
Tot Ion:252 Resp: 1074165
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 15.4 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 33.60 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093680.D
Acq: 15 Mar 2017 20:54

Tgt Ion:252 Resp: 659812
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 12.8 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 5.05 ng

RT: 16.65 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

Instrument :

BNA_F

ClientSampleId :

E2-DD7-SSW

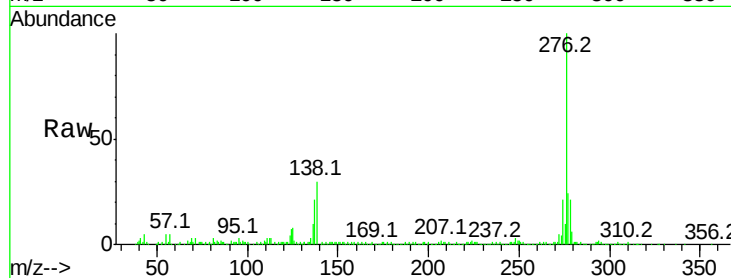
Tot Ion:278 Resp: 82072

Ion Ratio Lower Upper

278 100

139 0.0 14.8 22.2#

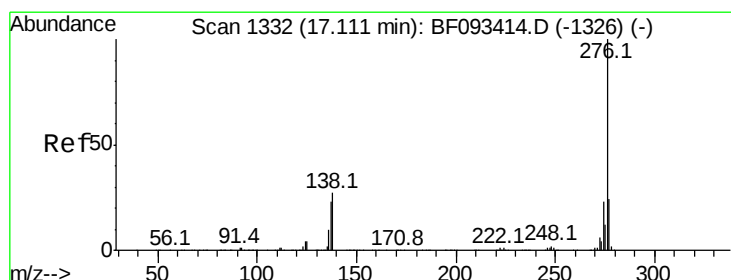
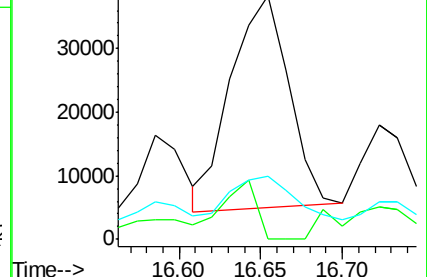
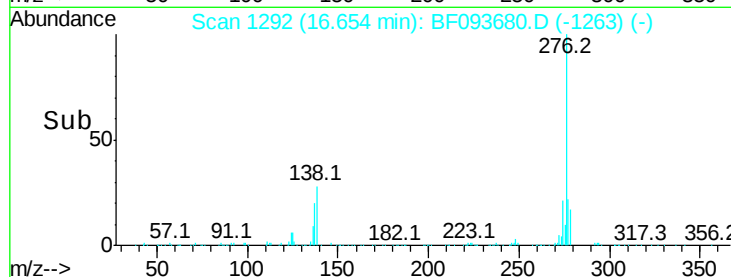
279 25.8 19.8 29.6



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: 19.93 ng

RT: 17.07 min Scan# 1328

Delta R.T. 0.05 min

Lab File: BF093680.D

Acq: 15 Mar 2017 20:54

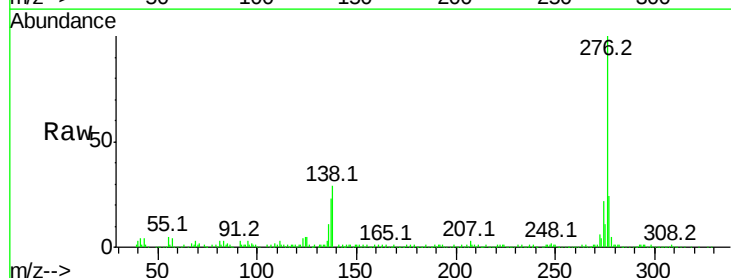
Tgt Ion:276 Resp: 332337

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 29.1 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

