

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097827.D
 Acq On : 18 Aug 2017 11:11
 Operator : SJ/JU
 Sample : I4820-02MS
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I10-ESWMS

Quant Time: Aug 18 13:51:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138588	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	473480	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	169367	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	301881	20.00	ng	0.00
75) Chrysene-d12	13.93	240	277741	20.00	ng	0.00
86) Perylene-d12	15.36	264	200158	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	969322	106.39	ng	0.00
7) Phenol-d6	6.41	99	1270406	102.62	ng	0.00
23) Nitrobenzene-d5	7.34	82	739118	84.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	151573	103.14	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	915728	79.44	ng	0.00
78) Terphenyl-d14	12.89	244	653714	49.08	ng	0.00

Target Compounds

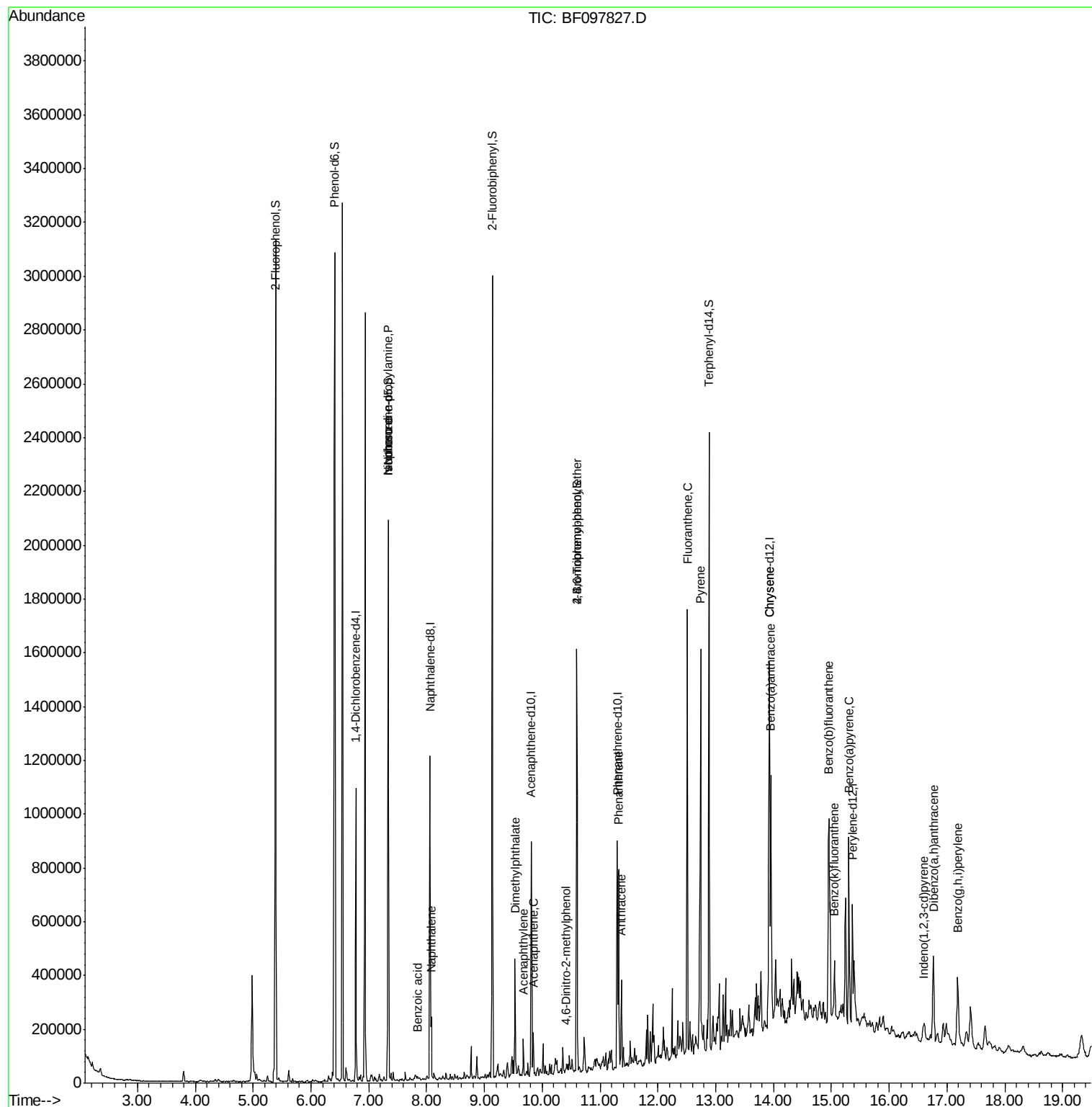
						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	101737	12.005	ng	# 72
25) Isophorone	7.34	82	737374	40.687	ng	# 67
31) Naphthalene	8.08	128	82056	3.338	ng	99
32) Benzoic acid	7.84	122	2518	6.801	ng	# 49
48) Acenaphthylene	9.67	152	50421	2.814	ng	99
49) Dimethylphthalate	9.53	163	136008	10.986	ng	100
51) Acenaphthene	9.85	154	27490	2.432	ng	100
64) 4,6-Dinitro-2-methylphenol	10.40	198	126	8.394	ng	# 13
66) 4-Bromophenyl-phenylether	10.60	248	10514	3.354	ng	# 1
70) Phenanthrene	11.32	178	263655	16.390	ng	99
71) Anthracene	11.37	178	106345	6.518	ng	99
74) Fluoranthene	12.51	202	605480	36.061	ng	99
77) Pvrene	12.74	202	626341	27.573	ng	98
80) Benzo(a)anthracene	13.96	228	317477	19.072	ng	93
82) Chrysene	13.92	228	361594	21.837	ng	96
85) Indeno(1,2,3-cd)pyrene	16.61	276	36651	3.009	ng	91
87) Benzo(b)fluoranthene	14.96	252	568432	45.054	ng	100
88) Benzo(k)fluoranthene	15.06	252	83687	7.060	ng	93
89) Benzo(a)pvrene	15.30	252	324650	29.067	ng	96
90) Dibenzo(a,h)anthracene	16.77	278	46969	5.165	ng	97
91) Benzo(g,h,i)perylene	17.19	276	203386	21.437	ng	94

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

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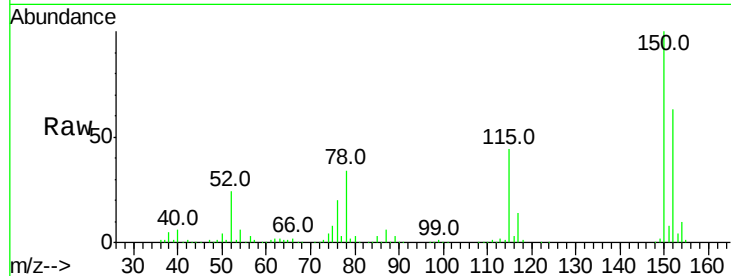


#1

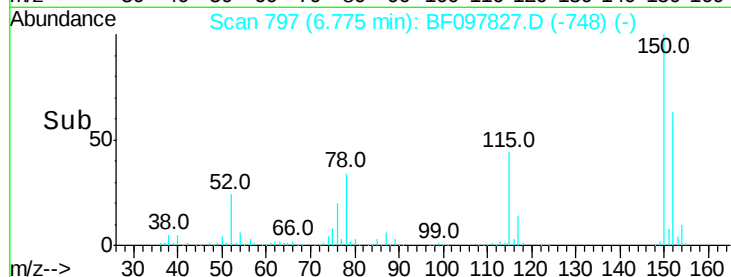
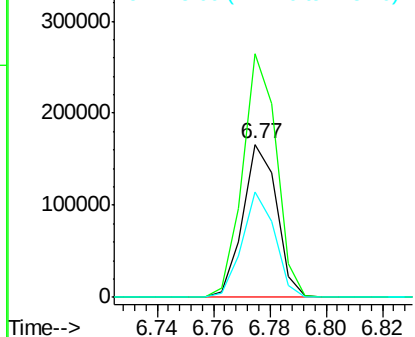
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

Tot Ion:152 Resp: 138588
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 69.3 52.2 78.2



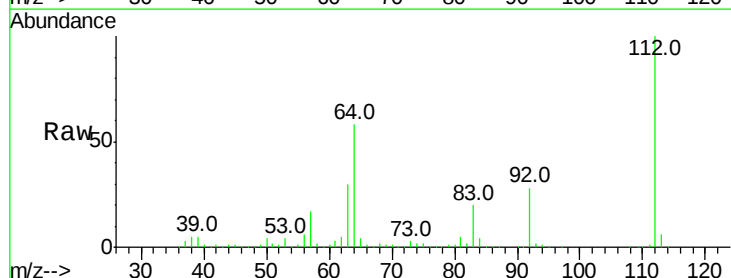
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



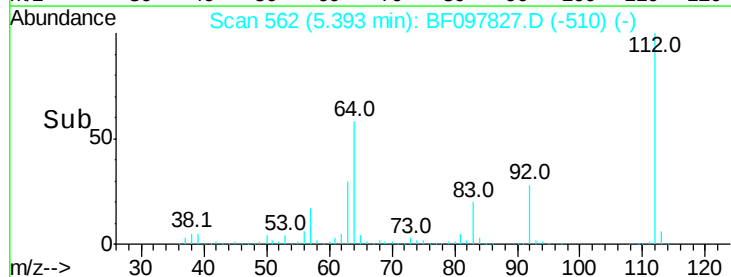
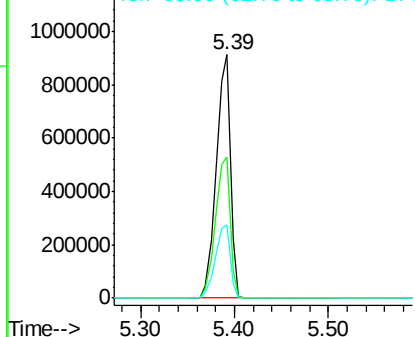
#5

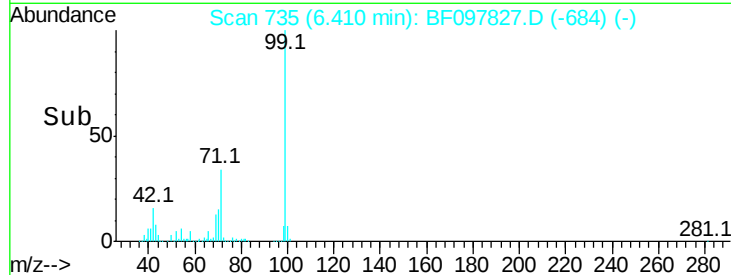
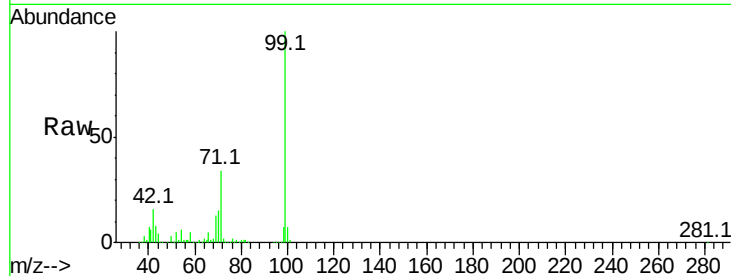
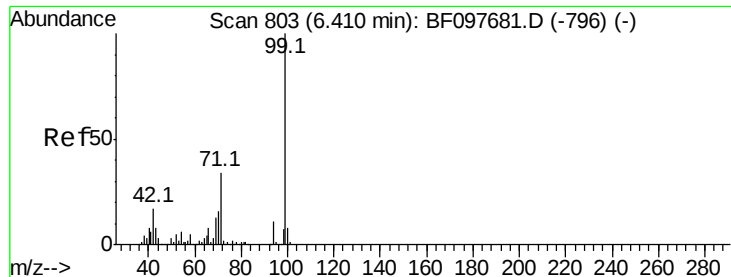
2-Fluorophenol
Concen: 106.388 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion:112 Resp: 969322
Ion Ratio Lower Upper
112 100
64 58.0 46.0 69.0
63 29.9 23.4 35.0



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





#7

Phenol-d6

Concen: 102.622 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

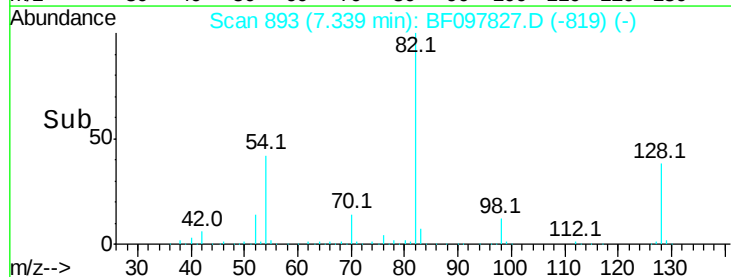
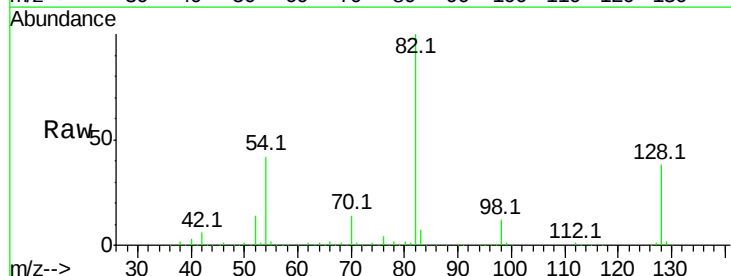
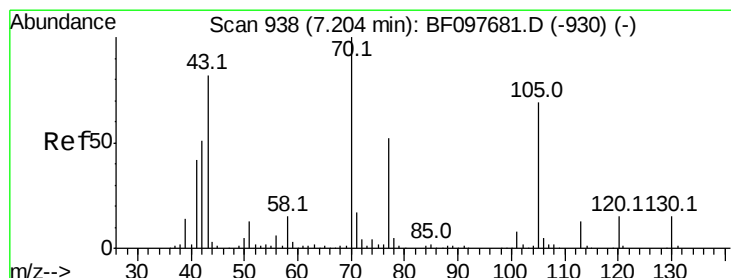
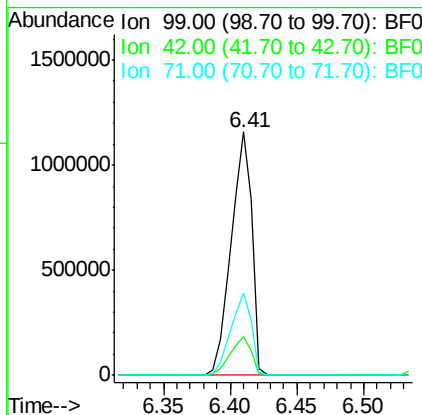
Tot Ion: 99 Resp: 1270406

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

71 33.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.005 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Tgt Ion: 70 Resp: 101737

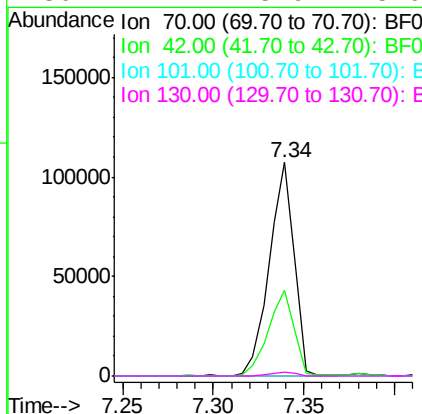
Ion Ratio Lower Upper

70 100

42 40.4 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

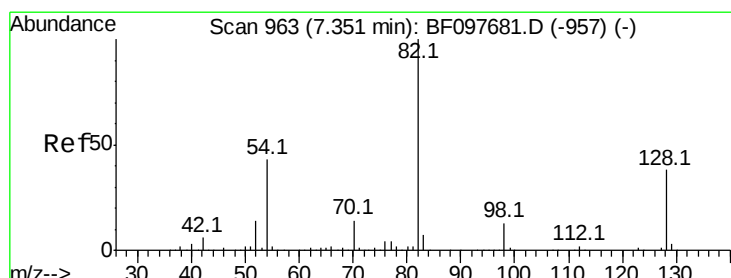
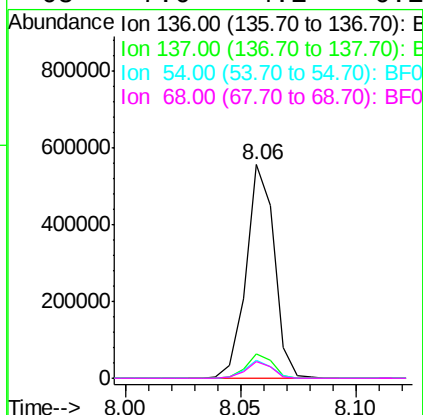
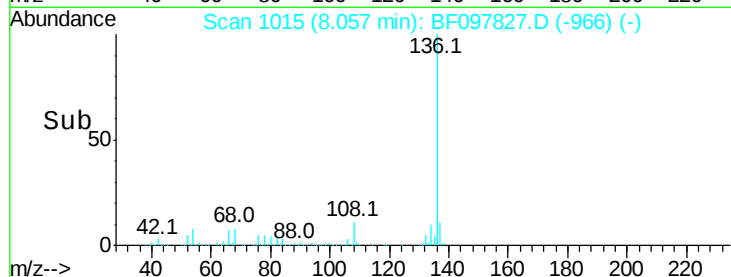
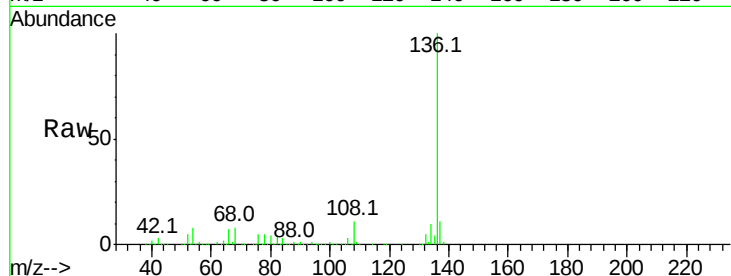




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

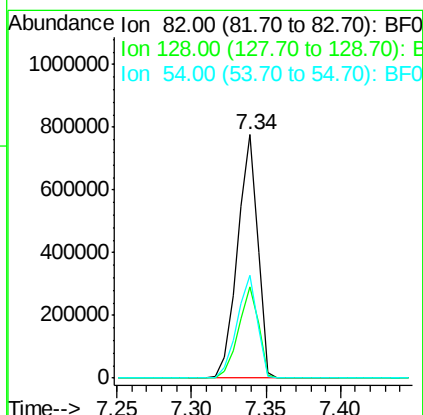
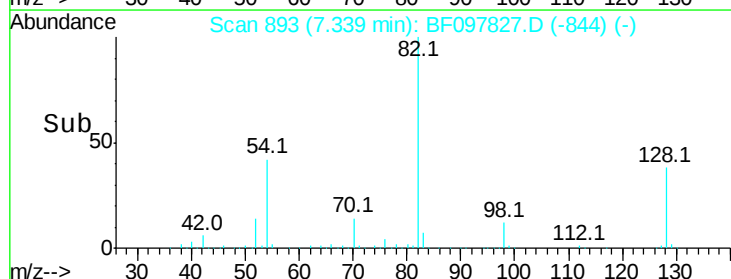
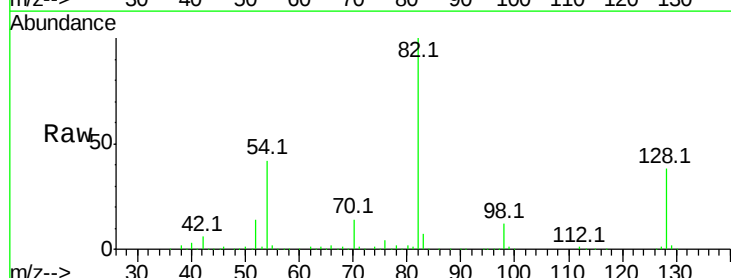
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

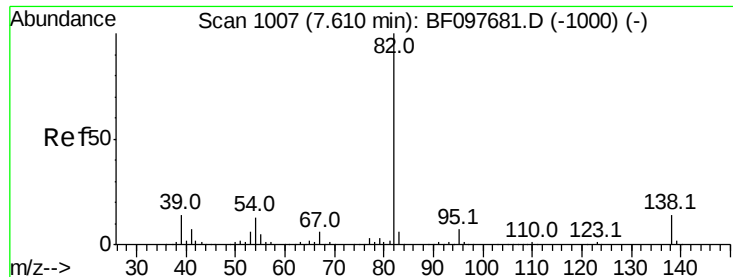
Tot Ion:136 Resp: 473480
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 8.4 4.9 7.3#
68 7.6 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 84.802 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion: 82 Resp: 739118
Ion Ratio Lower Upper
82 100
128 37.6 34.0 51.0
54 42.2 42.2 63.2#





#25

Isophorone

Concen: 40.687 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

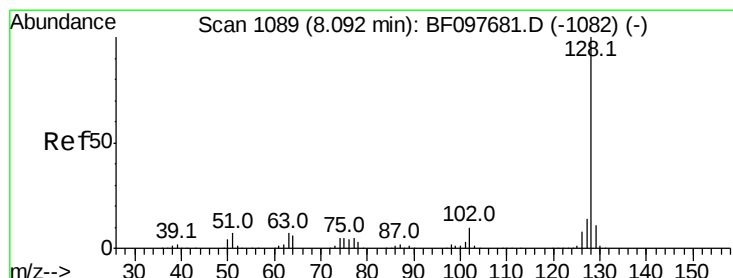
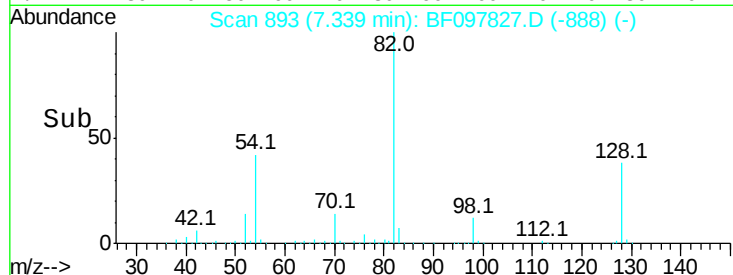
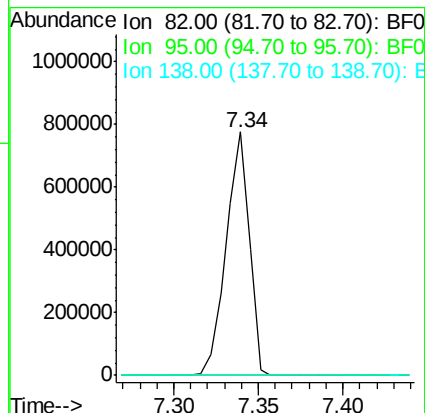
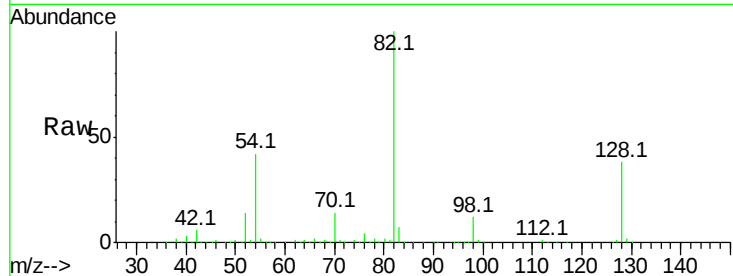
Tot Ion: 82 Resp: 737374

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 3.338 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

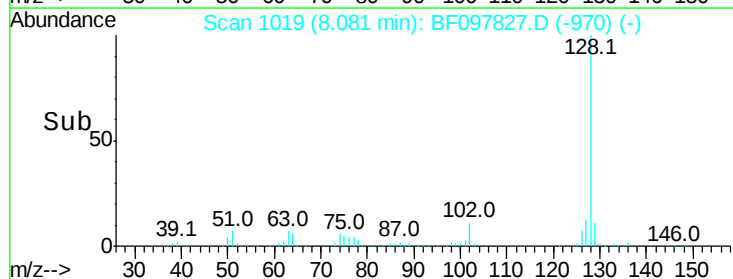
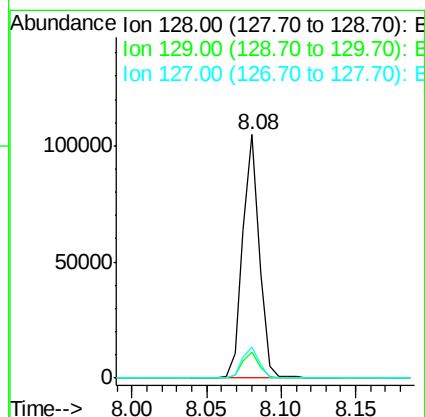
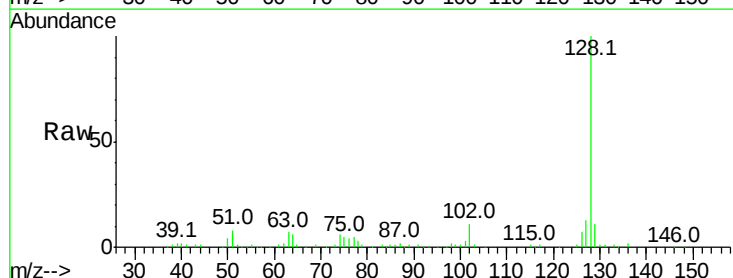
Tgt Ion: 128 Resp: 82056

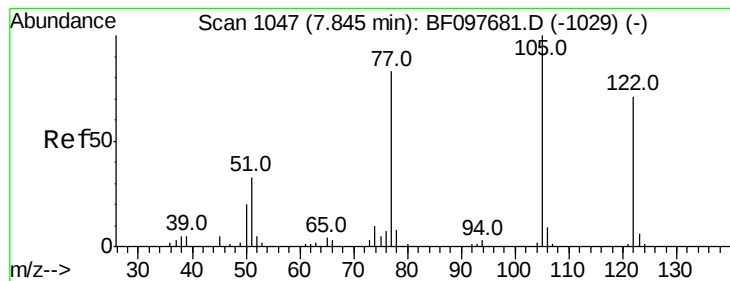
Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 12.7 10.8 16.2





#32

Benzoic acid

Concen: 6.801 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

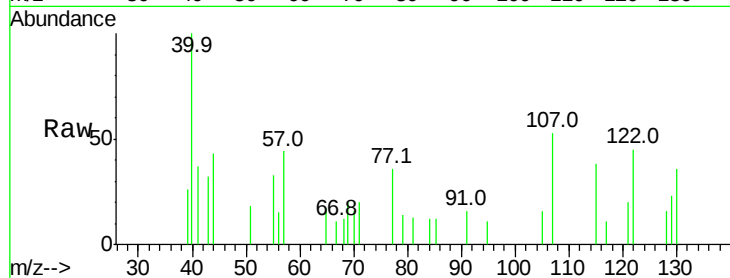
Tot Ion:122 Resp: 2518

Ion Ratio Lower Upper

122 100

105 35.2 103.3 143.3#

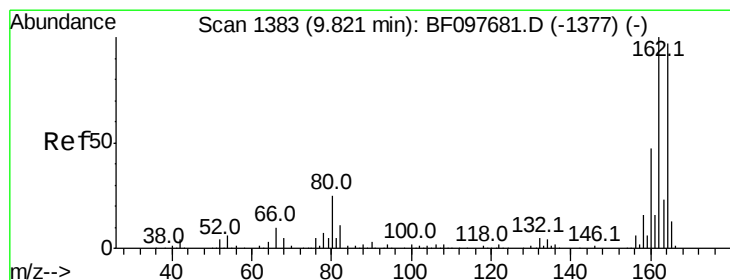
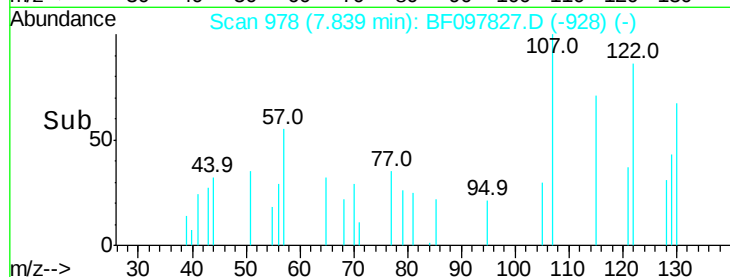
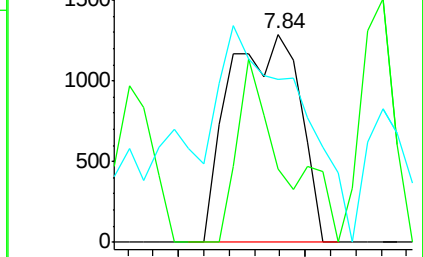
77 78.2 73.7 113.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

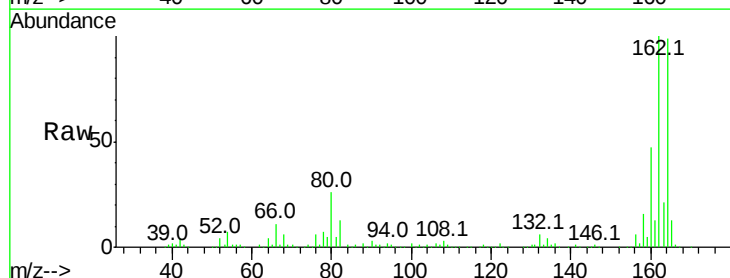
Tgt Ion:164 Resp: 169367

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

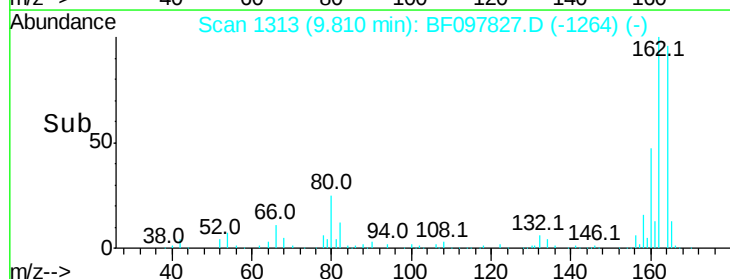
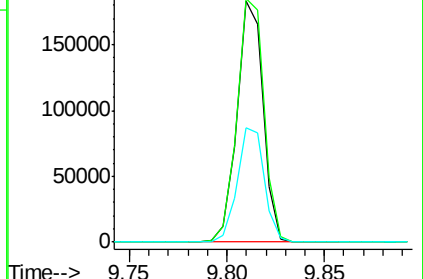
160 47.6 36.2 54.2

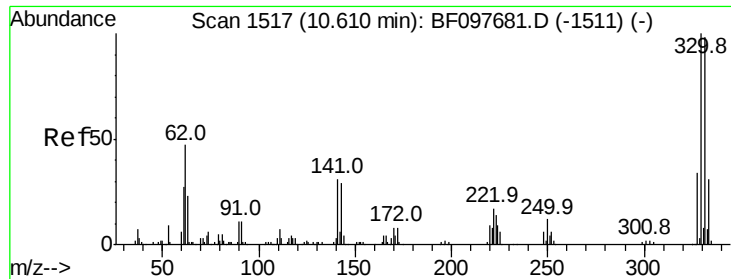


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

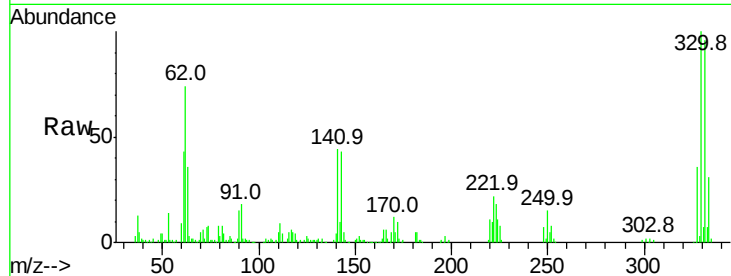




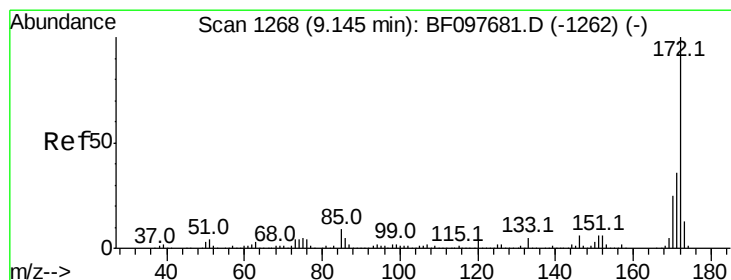
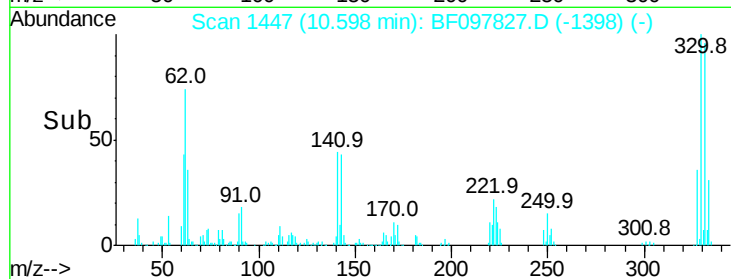
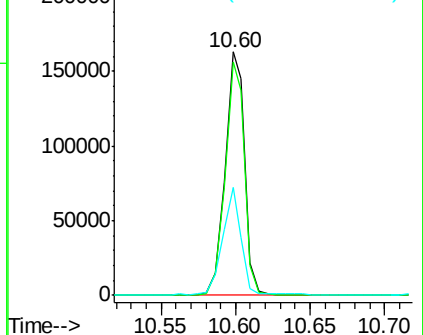
#41
 2,4,6-Tribromophenol
 Concen: 103.144 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	41.2	31.4	47.2

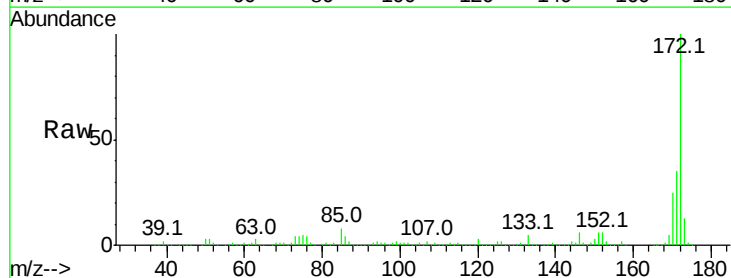


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

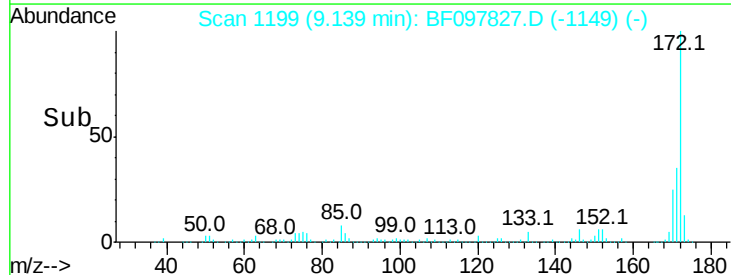
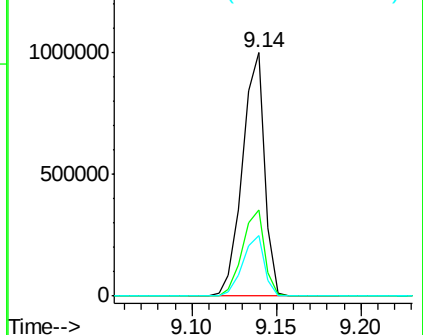


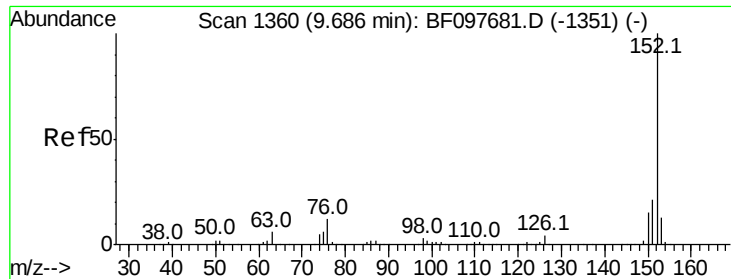
#44
 2-Fluorobiphenyl
 Concen: 79.437 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.9	19.8	29.8



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





#48

Acenaphthylene

Concen: 2.814 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

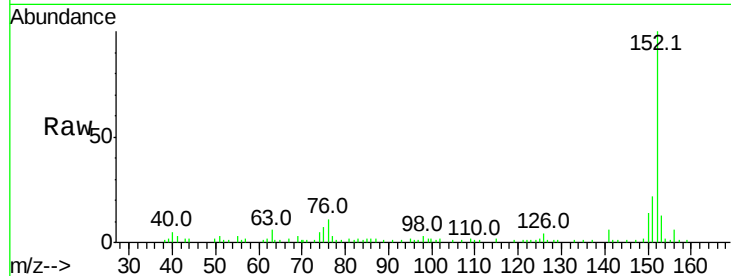
Tot Ion:152 Resp: 50421

Ion Ratio Lower Upper

152 100

151 21.7 16.8 25.2

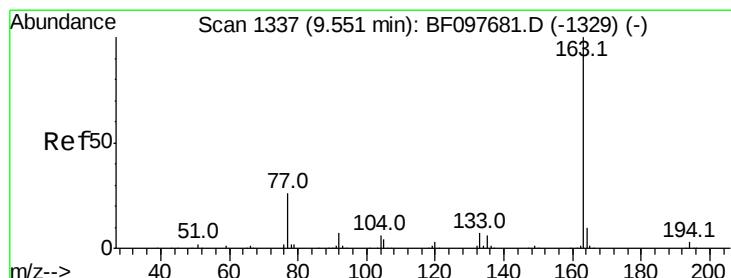
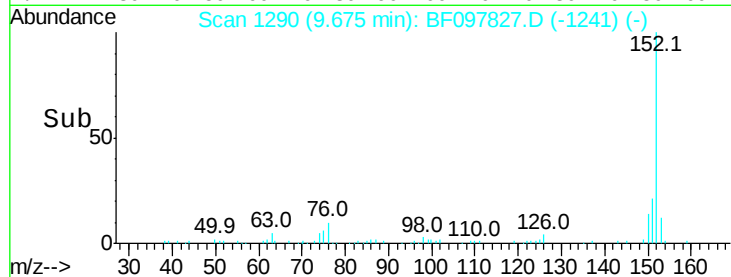
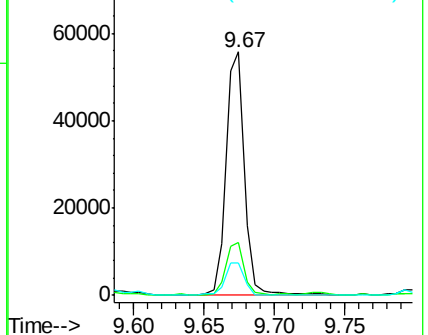
153 13.1 10.8 16.2



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: 10.986 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

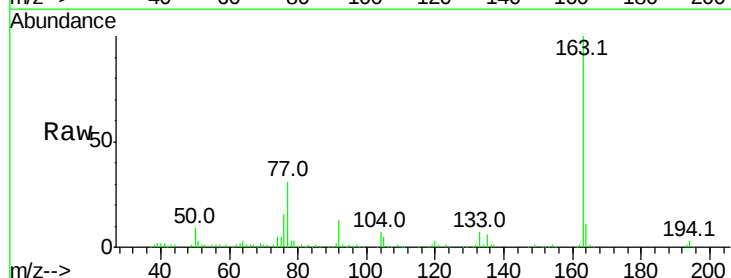
Tgt Ion:163 Resp: 136008

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

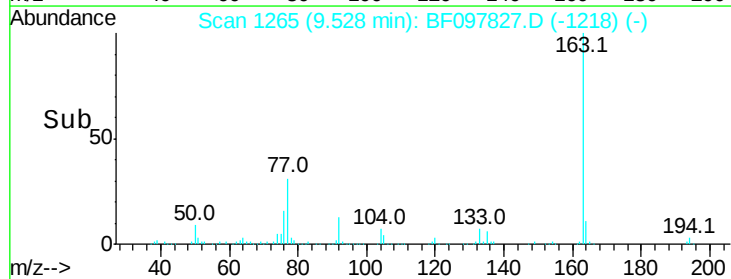
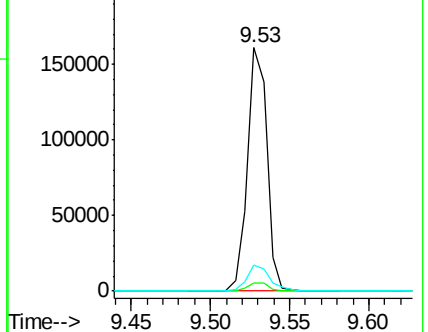
164 10.7 8.4 12.6

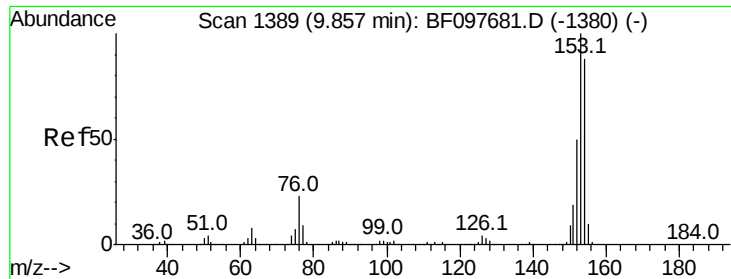


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.432 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

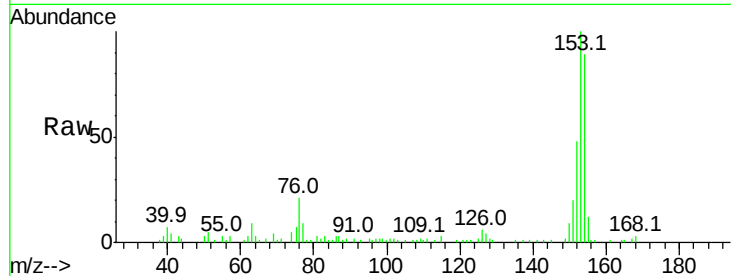
Tot Ion:154 Resp: 27490

Ion Ratio Lower Upper

154 100

153 113.0 90.5 135.7

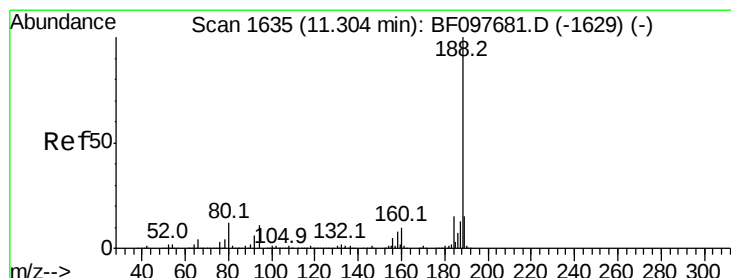
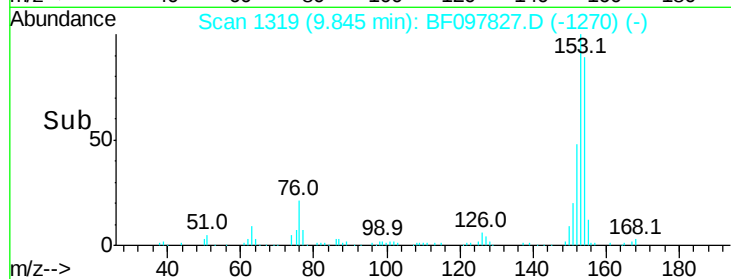
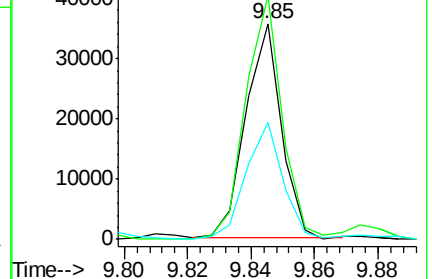
152 54.0 43.6 65.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

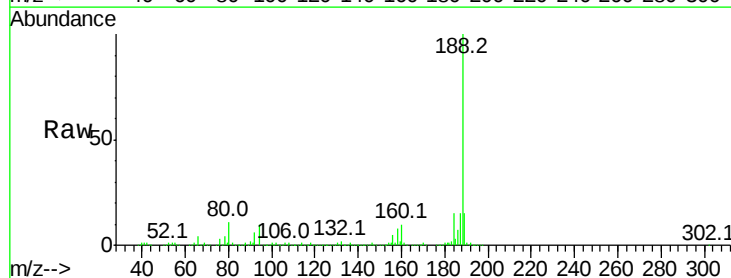
Tgt Ion:188 Resp: 301881

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

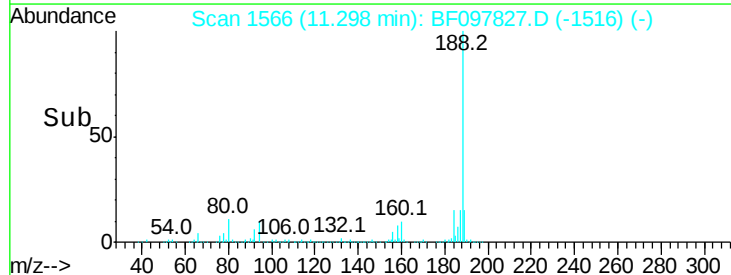
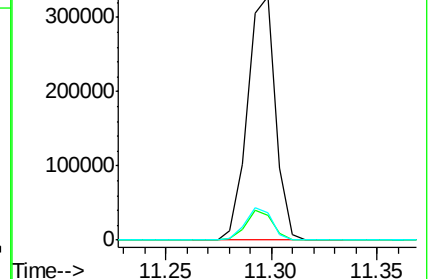
80 11.4 10.2 15.2

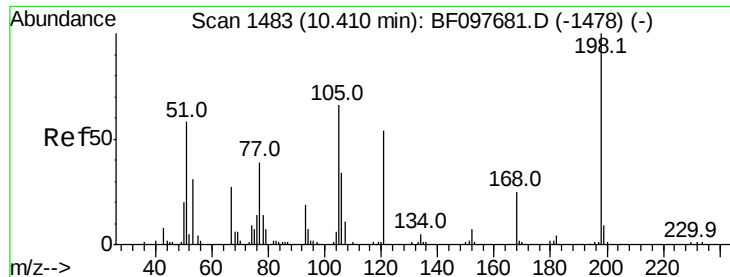


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

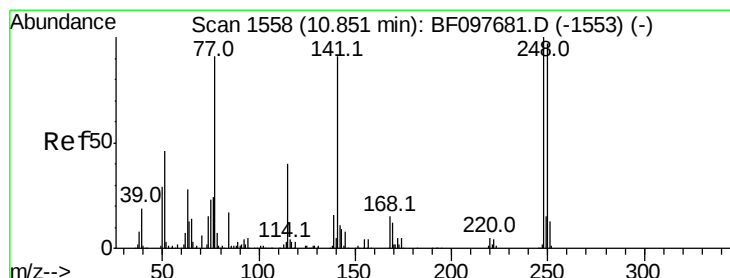
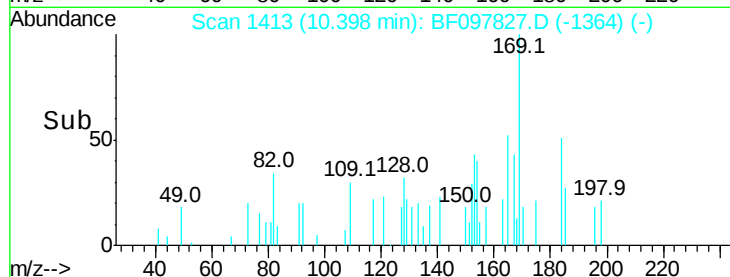
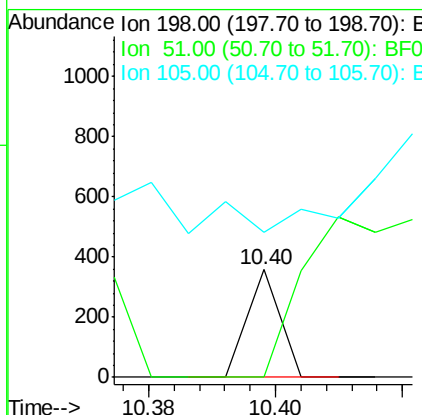
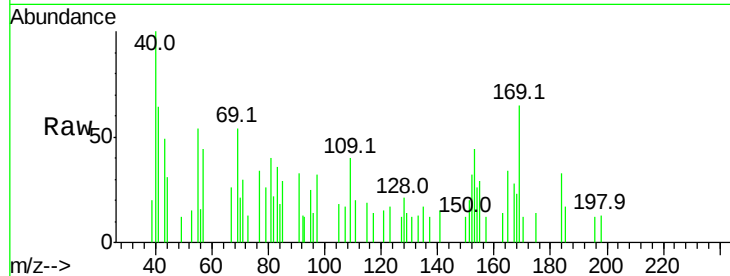




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.394 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

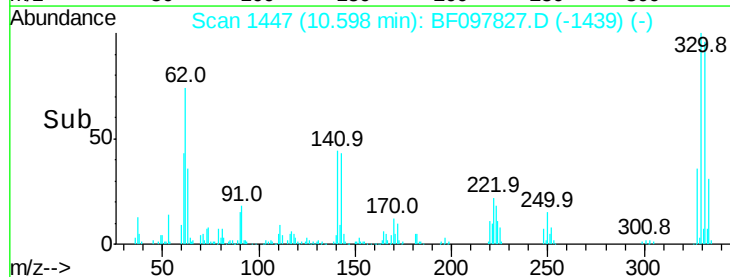
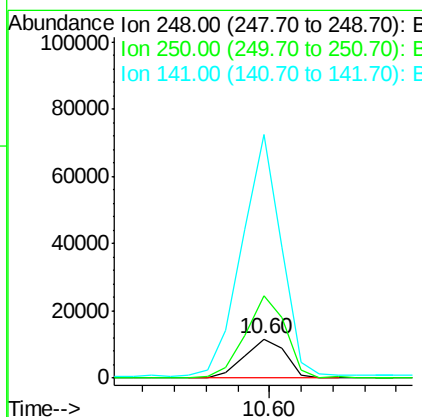
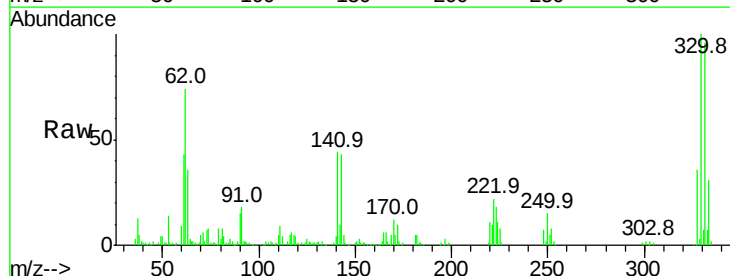
Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMS

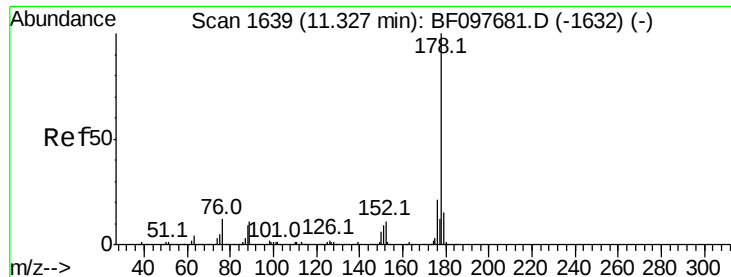
Tot Ion:198 Resp: 126
 Ion Ratio Lower Upper
 198 100
 51 0.0 53.2 93.2#
 105 134.6 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.354 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

Tgt Ion:248 Resp: 10514
 Ion Ratio Lower Upper
 248 100
 250 210.8 76.8 115.2#
 141 626.2 68.6 103.0#

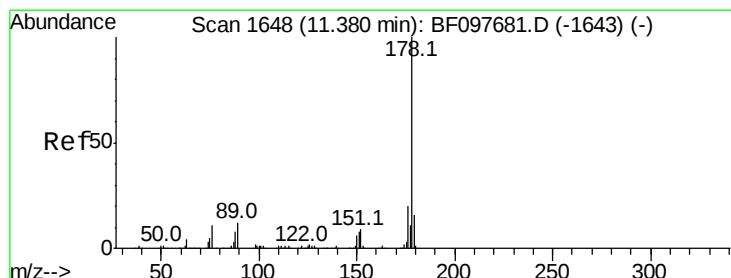
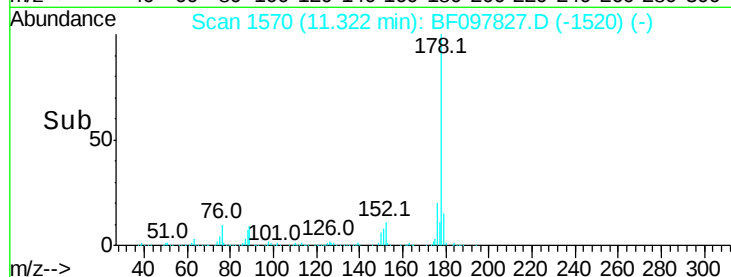
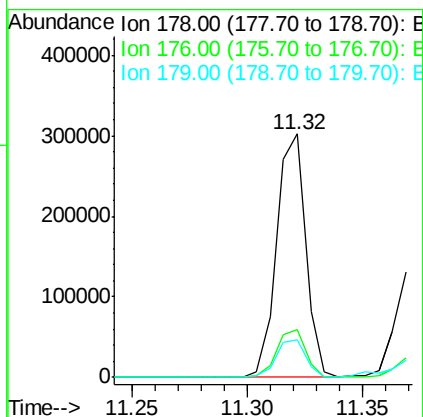
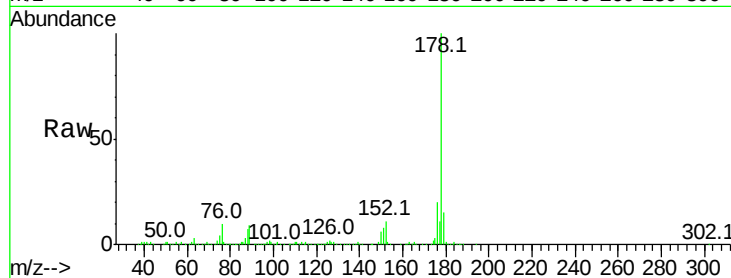




#70
Phenanthrene
Concen: 16.390 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

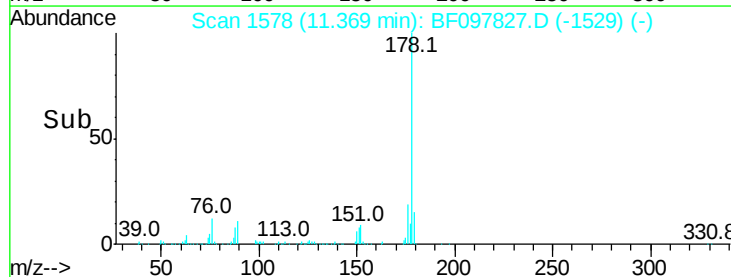
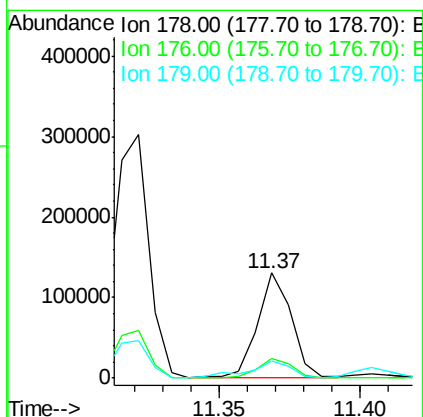
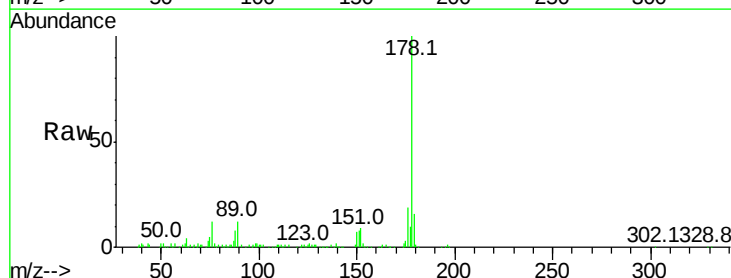
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

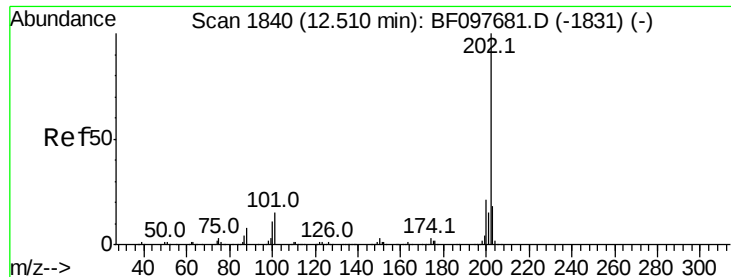
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.3	12.6	19.0



#71
Anthracene
Concen: 6.518 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.8	12.7	19.1





#74

Fluoranthene

Concen: 36.061 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

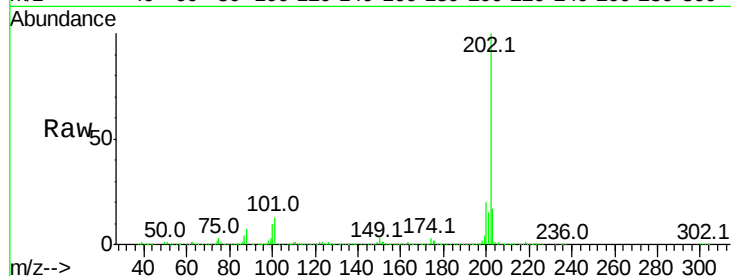
Tot Ion:202 Resp: 605480

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

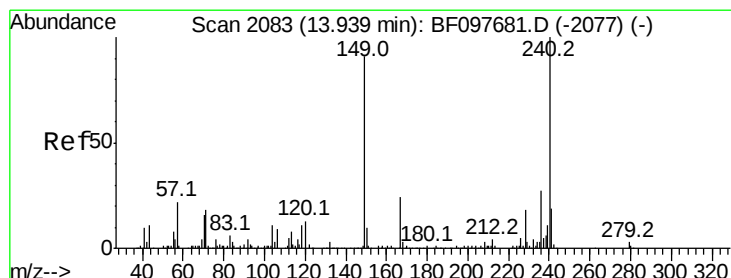
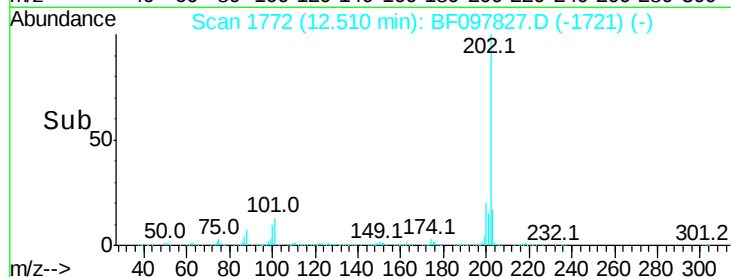
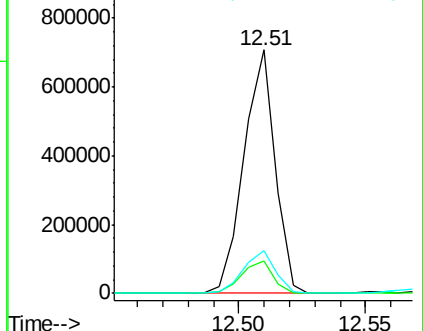
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

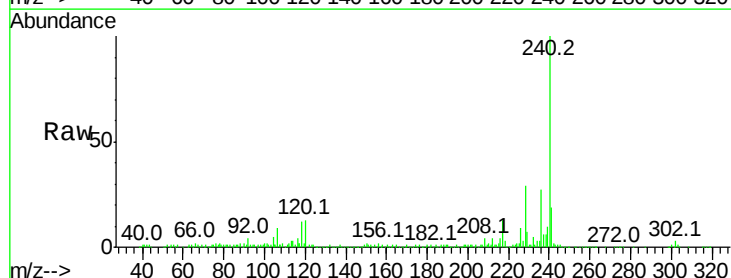
Tgt Ion:240 Resp: 277741

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

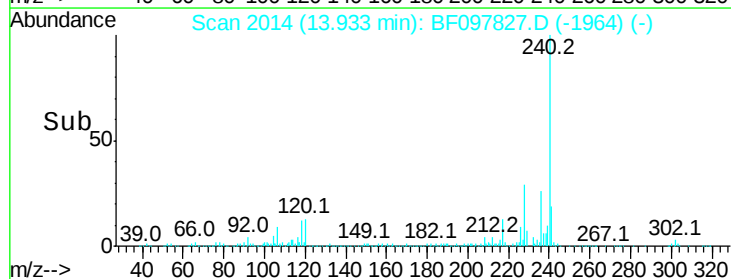
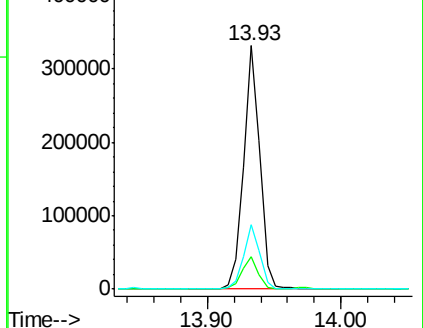
236 26.6 20.5 30.7

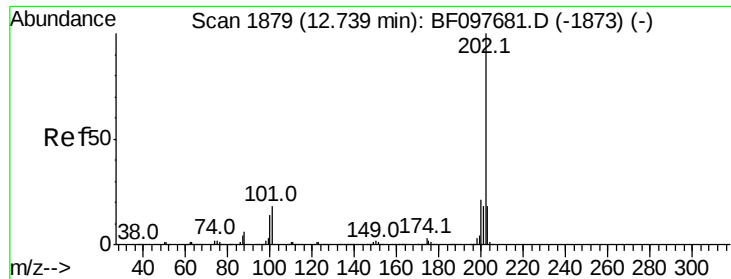


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

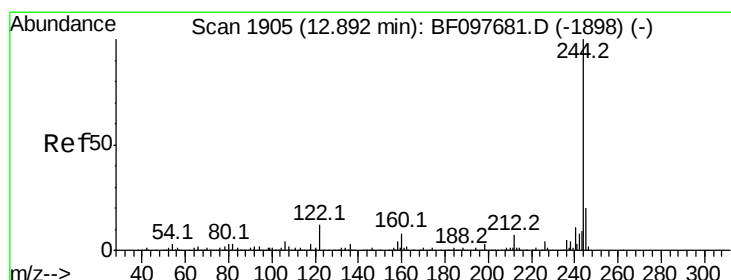
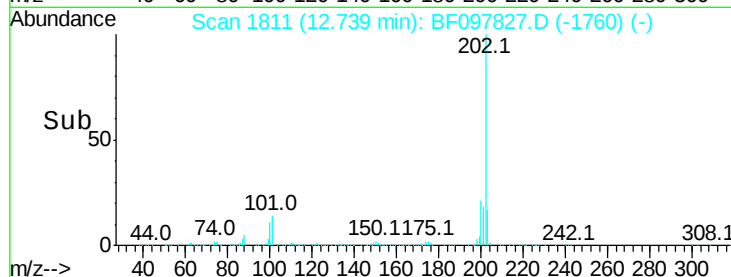
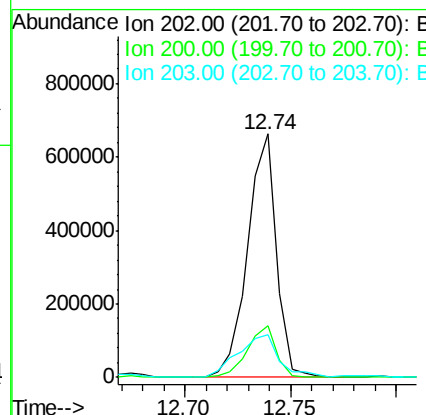
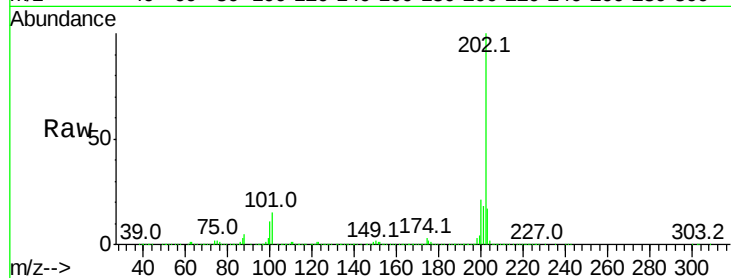




#77
Pvrene
Concen: 27.573 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

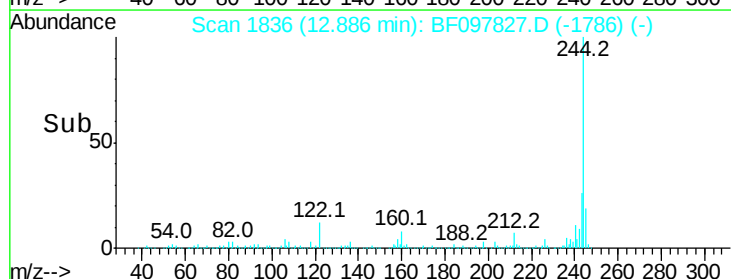
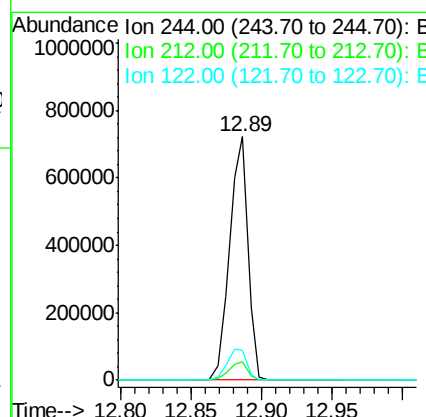
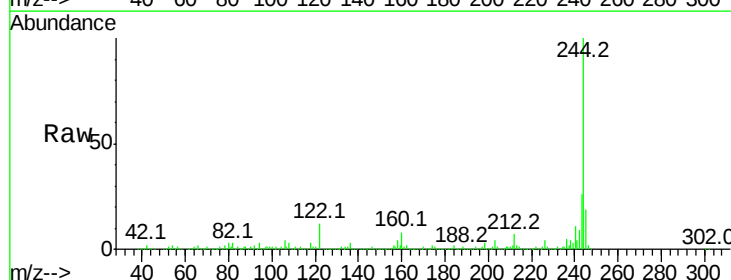
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

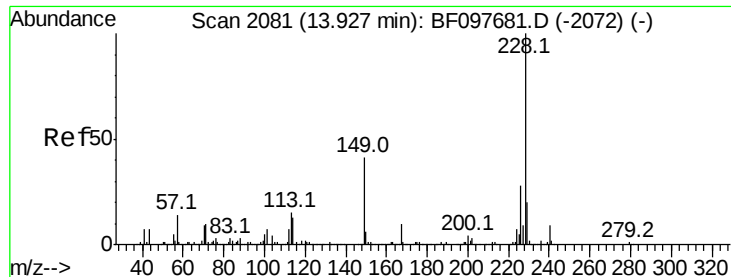
Tot Ion:202 Resp: 626341
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 49.082 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion:244 Resp: 653714
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 12.2 10.3 15.5





#80

Benzo(a)anthracene

Concen: 19.072 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.03 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMS

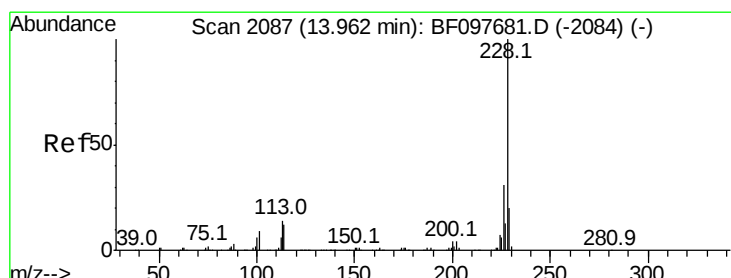
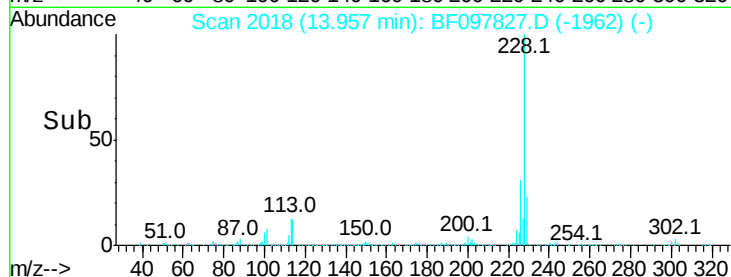
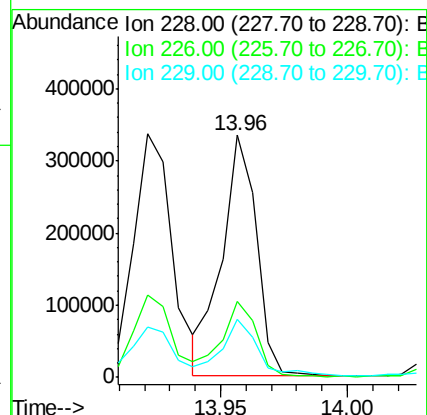
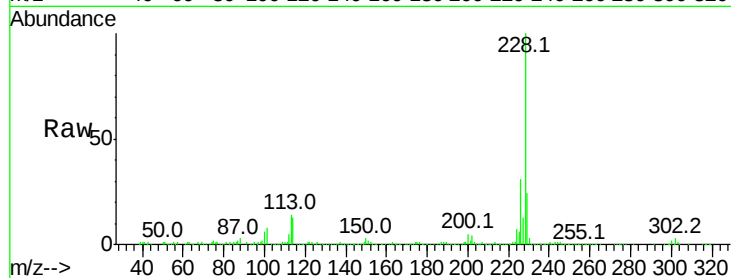
Tot Ion:228 Resp: 317477

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

229 24.0 16.3 24.5



#82

Chrysene

Concen: 21.837 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.04 min

Lab File: BF097827.D

Acq: 18 Aug 2017 11:11

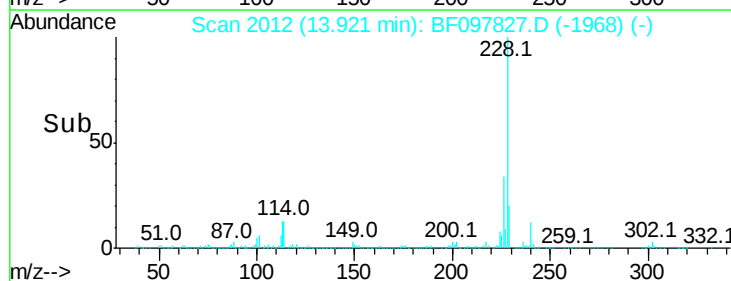
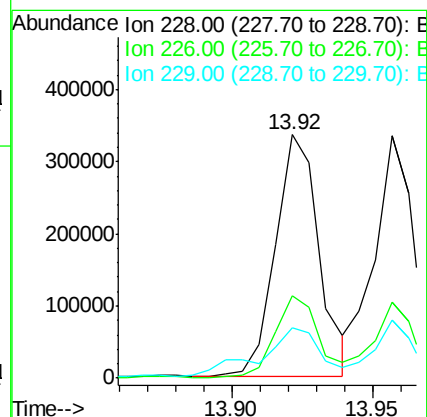
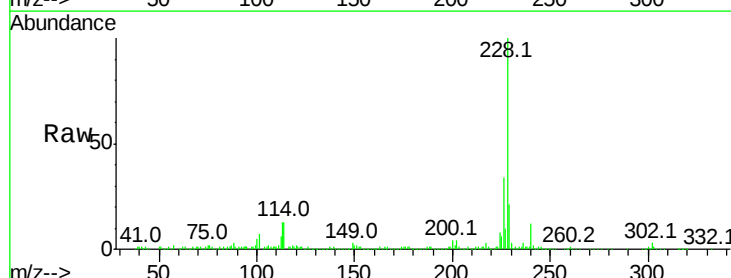
Tgt Ion:228 Resp: 361594

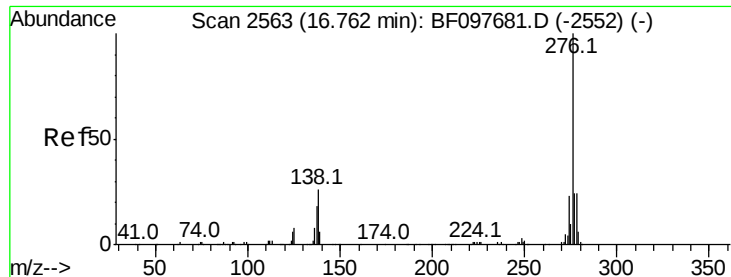
Ion Ratio Lower Upper

228 100

226 34.0 24.9 37.3

229 20.8 15.8 23.6

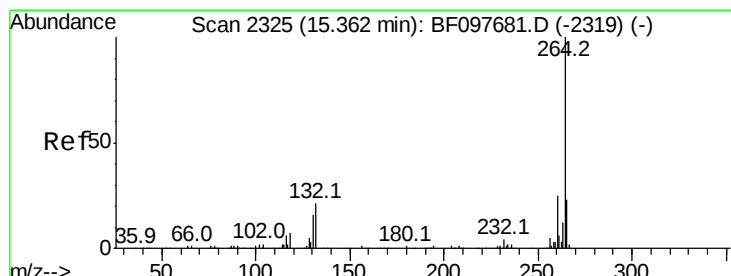
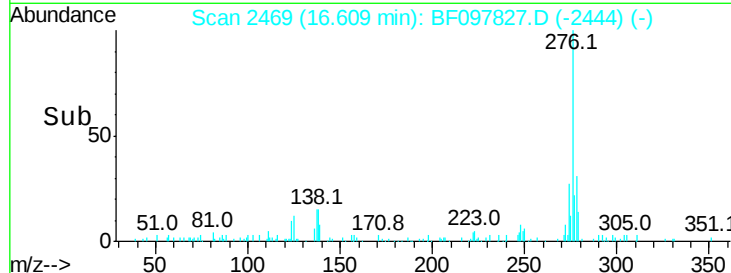
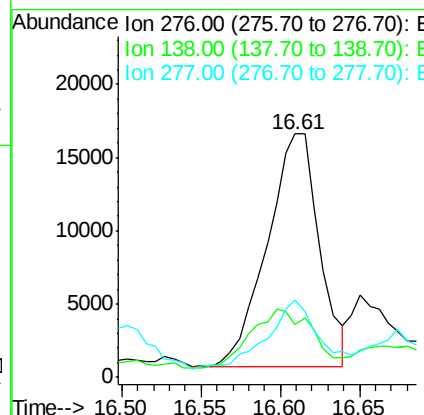
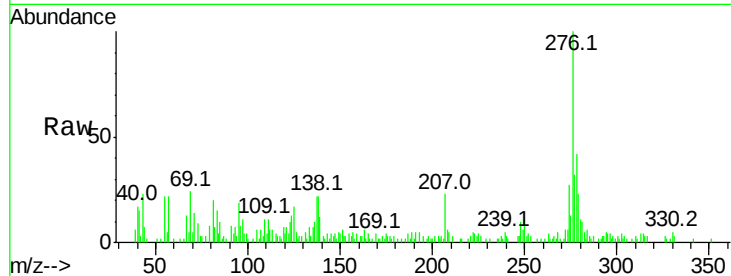




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.009 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. -0.15 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

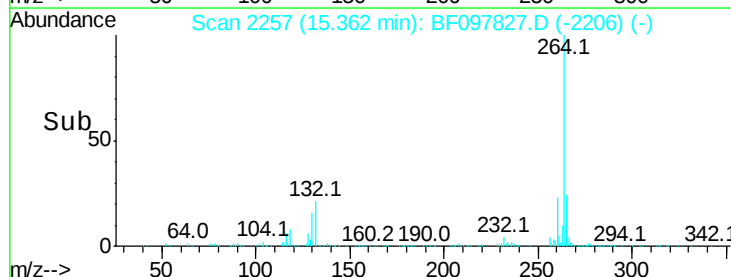
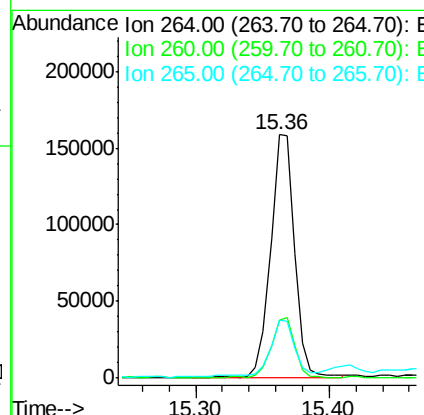
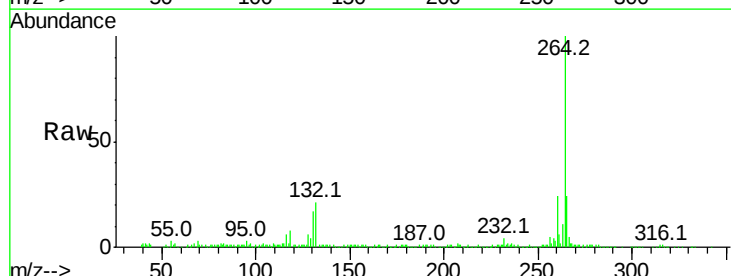
Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMS

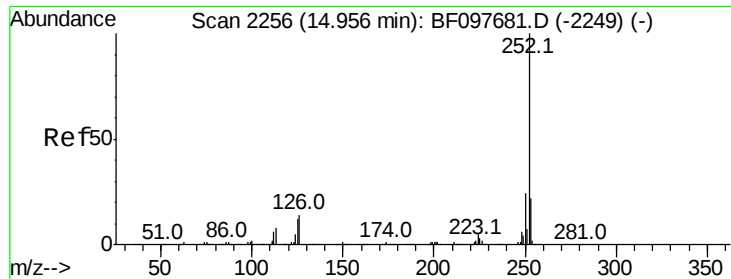
Tot Ion:276 Resp: 36651
 Ion Ratio Lower Upper
 276 100
 138 30.0 27.8 41.6
 277 29.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

Tgt Ion:264 Resp: 200158
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 23.8 17.2 25.8

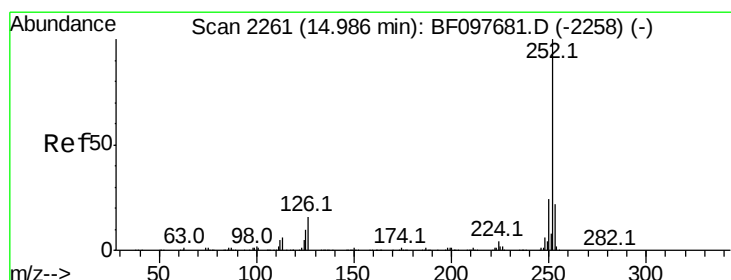
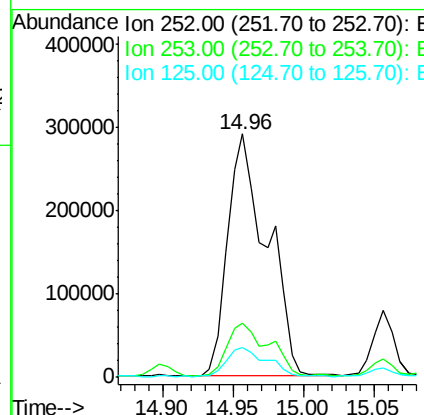
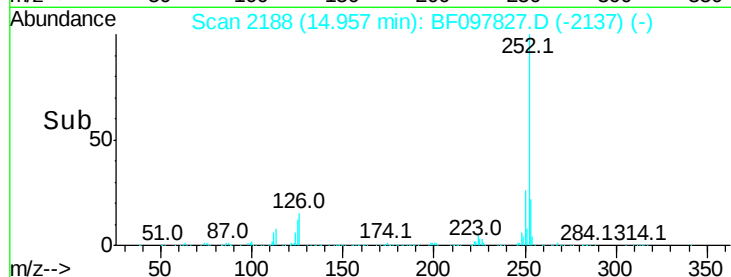
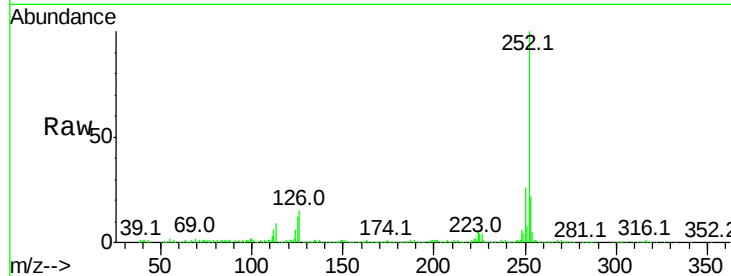




#87
Benzo(b)fluoranthene
Concen: 45.054 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

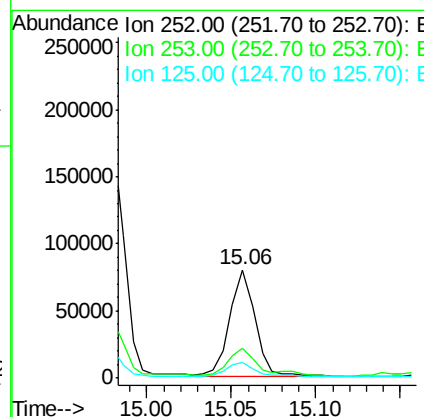
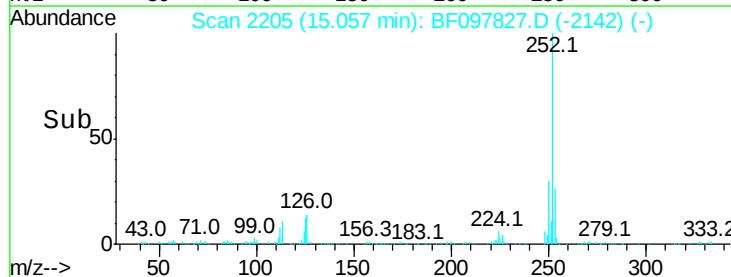
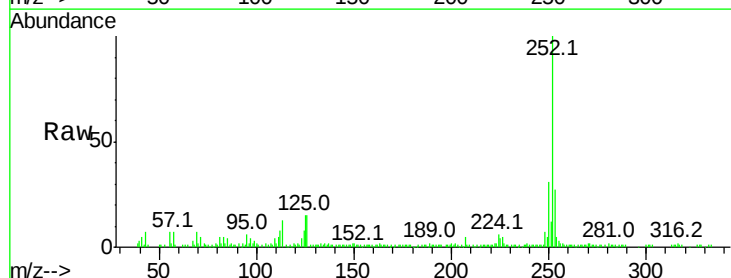
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

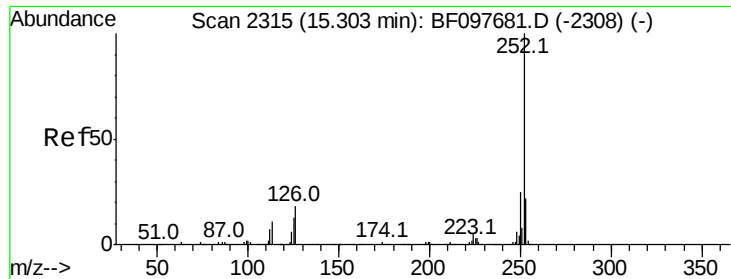
Tot Ion:252 Resp: 568432
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 12.3 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 7.060 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.07 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion:252 Resp: 83687
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 14.6 13.1 19.7

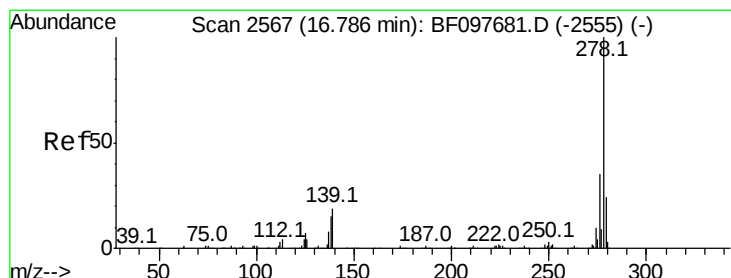
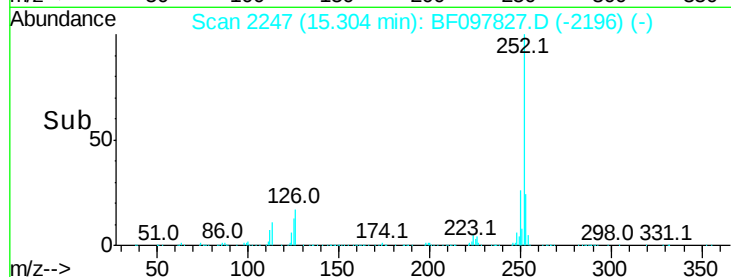
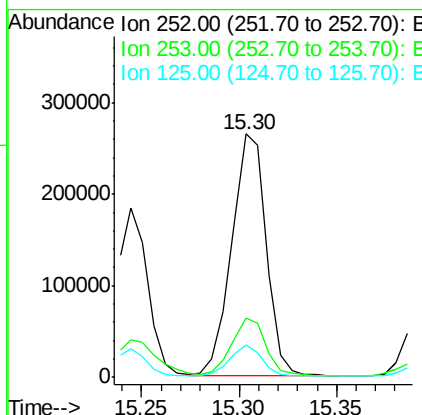
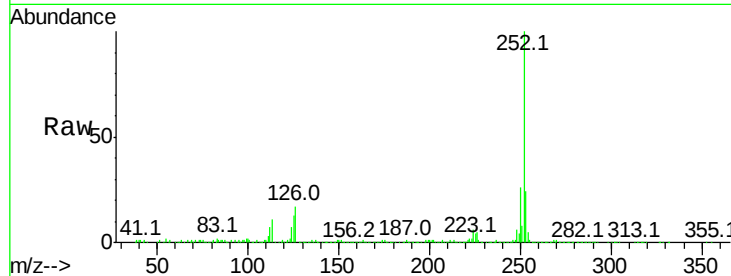




#89
Benzo(a)pyrene
Concen: 29.067 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

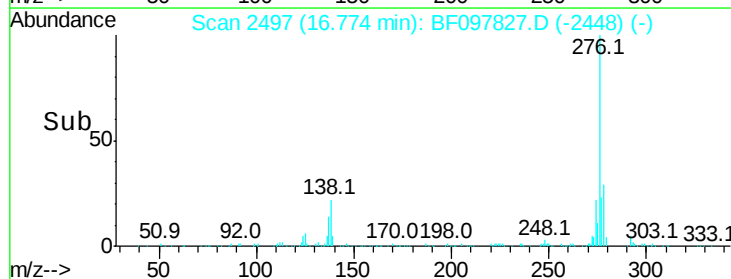
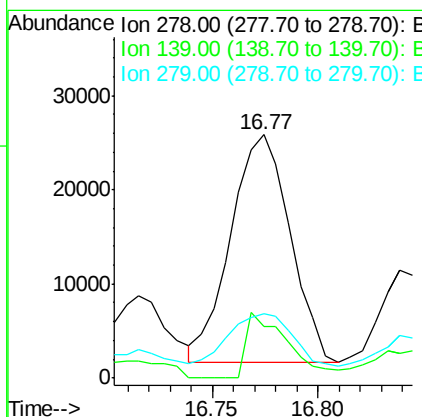
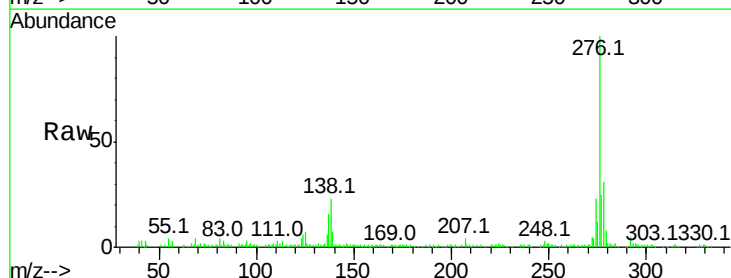
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMS

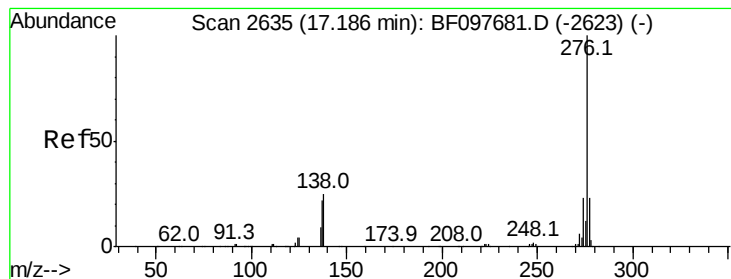
Tot Ion:252 Resp: 324650
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 13.1 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 5.165 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097827.D
Acq: 18 Aug 2017 11:11

Tgt Ion:278 Resp: 46969
Ion Ratio Lower Upper
278 100
139 21.2 16.6 24.8
279 26.7 19.3 28.9





#91
 Benzo(a,h,i)perylene
 Concen: 21.437 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BF097827.D
 Acq: 18 Aug 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	26.4	25.4	38.0

