

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097828.D
 Acq On : 18 Aug 2017 11:39
 Operator : SJ/JU
 Sample : I4820-03MSD
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMSD

Quant Time: Aug 18 13:51:47 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	131423	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	480722	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	181723	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	312681	20.00	ng	0.00
75) Chrysene-d12	13.93	240	261906	20.00	ng	0.00
86) Perylene-d12	15.36	264	192332	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1056532	122.28	ng	0.00
7) Phenol-d6	6.41	99	1410107	120.12	ng	0.00
23) Nitrobenzene-d5	7.34	82	847055	95.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	184646	117.11	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	978536	79.11	ng	0.00
78) Terphenyl-d14	12.89	244	674278	53.69	ng	0.00

Target Compounds

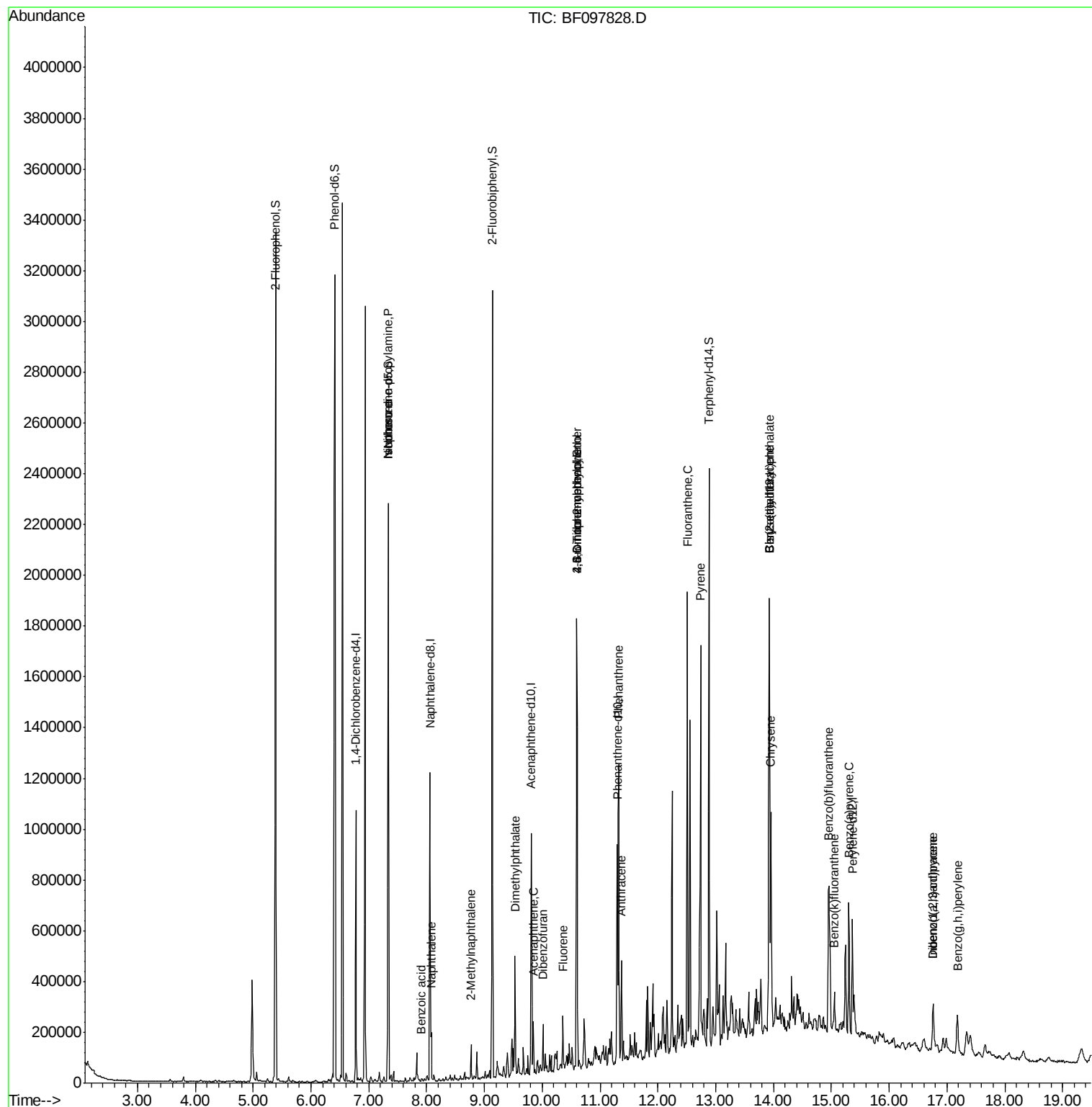
						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	116096	14.446	ng	# 71
25) Isophorone	7.34	82	844627	45.903	ng	# 67
31) Naphthalene	8.08	128	64849	2.598	ng	98
32) Benzoic acid	7.91	122	496	6.481	ng	93
37) 2-Methylnaphthalene	8.77	142	32626	2.132	ng	97
49) Dimethylphthalate	9.53	163	149640	11.265	ng	99
51) Acenaphthene	9.85	154	38945	3.212	ng	98
54) Dibenzofuran	10.02	168	34438	2.119	ng	# 94
57) Fluorene	10.36	166	47198	3.756	ng	94
64) 4,6-Dinitro-2-methylphenol	10.60	198	359	8.522	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	12658	3.898	ng	# 1
70) Phenanthrene	11.32	178	402280	24.144	ng	99
71) Anthracene	11.37	178	130782	7.739	ng	98
74) Fluoranthene	12.51	202	655137	37.671	ng	99
77) Pyrene	12.74	202	634469	29.619	ng	99
80) Benzo(a)anthracene	13.92	228	339617	21.636	ng	94
82) Chrysene	13.96	228	303677	19.448	ng	98
83) Bis(2-ethylhexyl)phthalate	13.92	149	168502	18.515	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	128358	11.174	ng	# 88
87) Benzo(b)fluoranthene	14.96	252	443634	36.594	ng	98
88) Benzo(k)fluoranthene	15.06	252	56989	5.003	ng	95
89) Benzo(a)pyrene	15.30	252	233369	21.744	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	34001	3.891	ng	93
91) Benzo(g,h,i)perylene	17.18	276	116476	12.776	ng	92

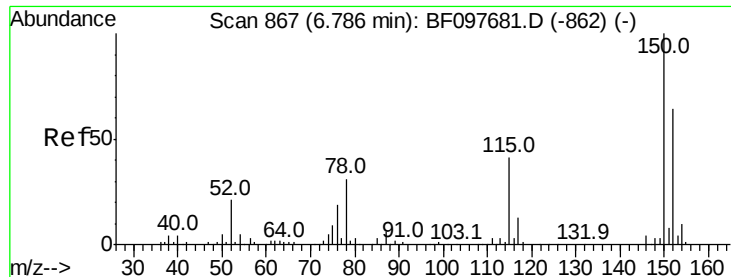
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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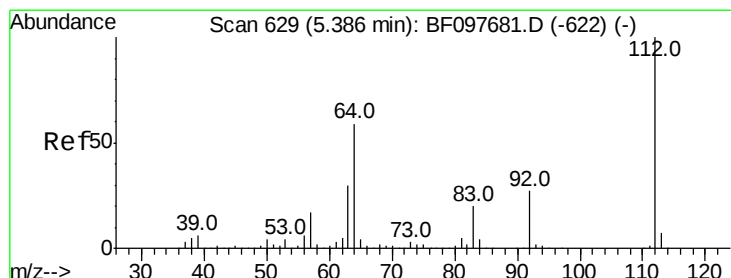
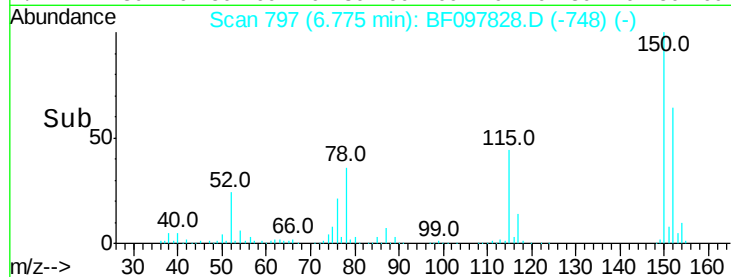
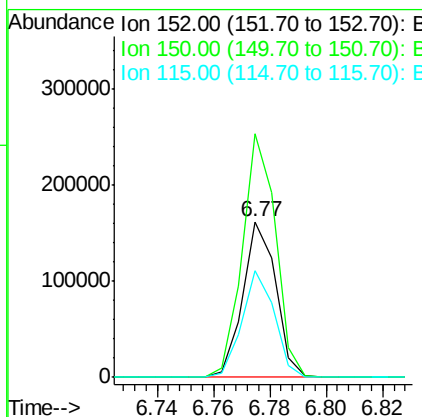
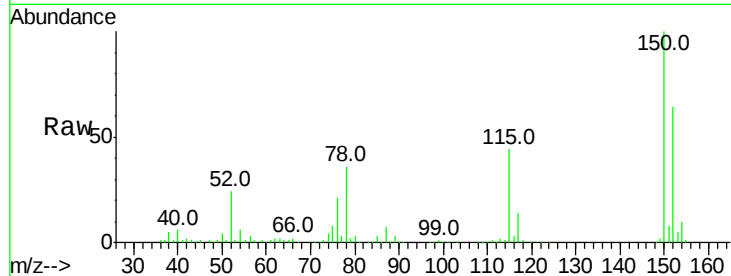


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMSD

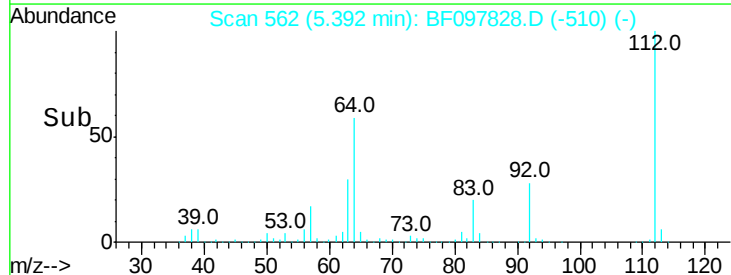
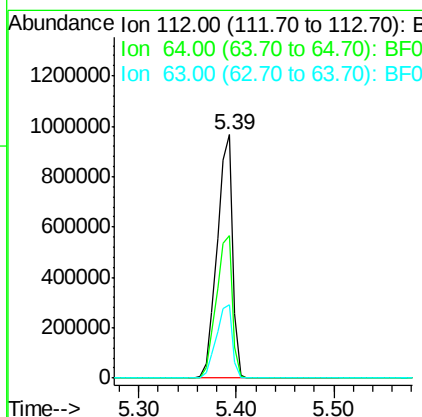
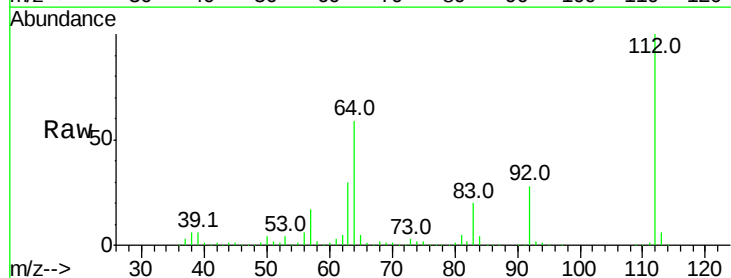
Tot Ion:152 Resp: 131423
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 68.8 52.2 78.2

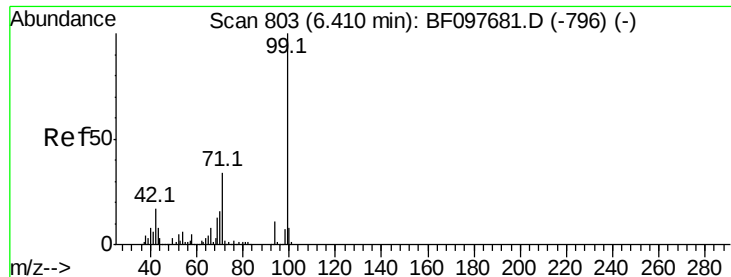


#5

2-Fluorophenol
 Concen: 122.282 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Tgt Ion:112 Resp: 1056532
 Ion Ratio Lower Upper
 112 100
 64 58.8 46.0 69.0
 63 30.2 23.4 35.0





#7

Phenol-d6

Concen: 120.117 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

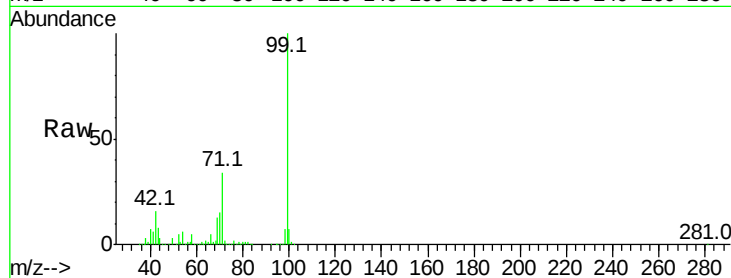
Tot Ion: 99 Resp: 1410107

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

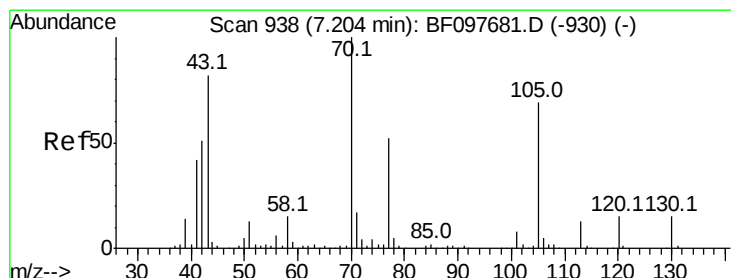
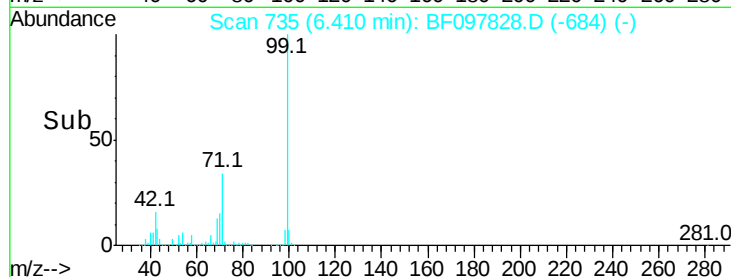
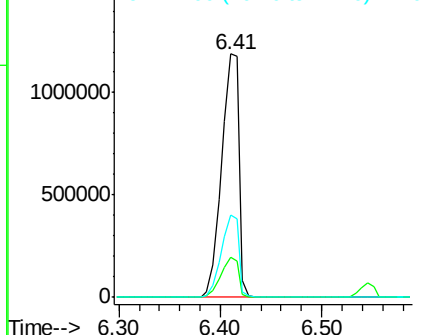
71 33.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.446 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Tgt Ion: 70 Resp: 116096

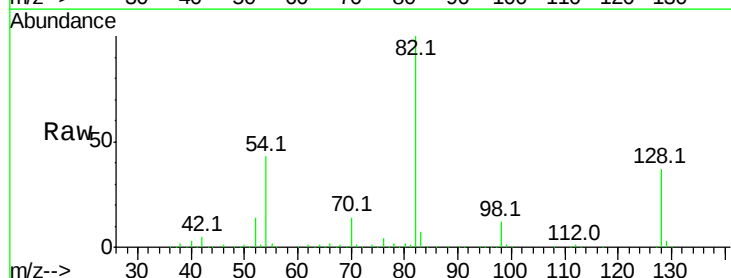
Ion Ratio Lower Upper

70 100

42 39.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

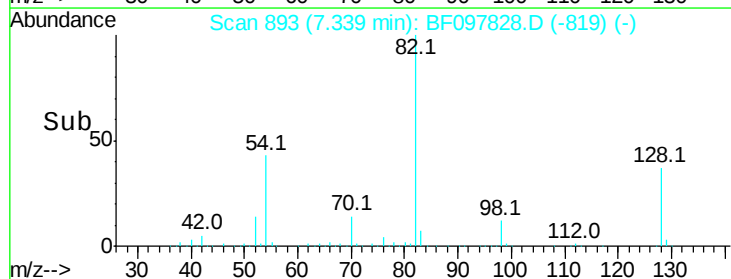
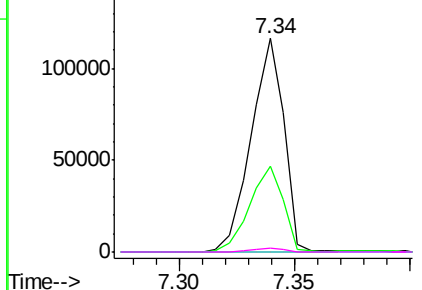


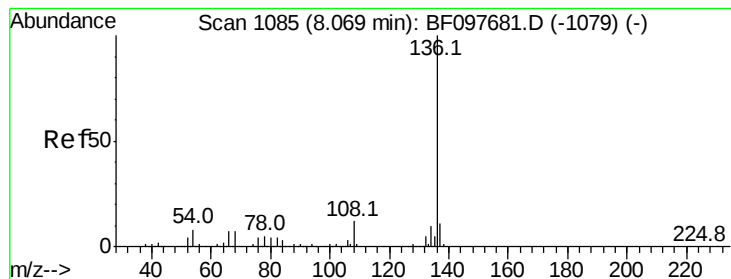
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

Tot Ion:136 Resp: 480722

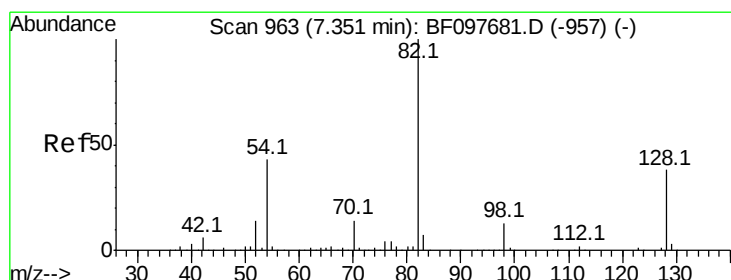
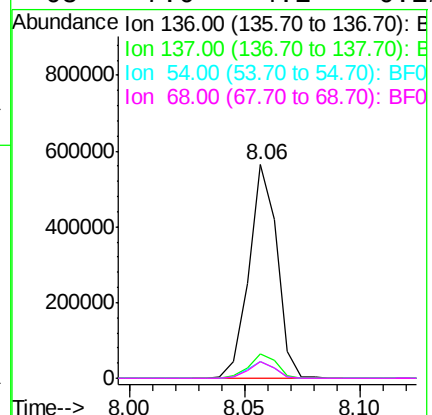
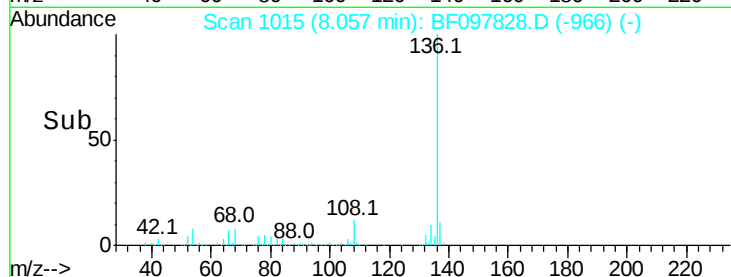
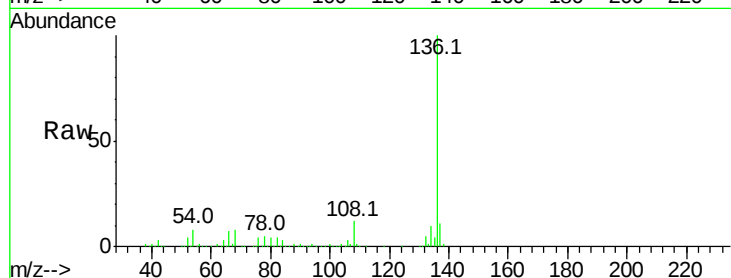
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.1 4.9 7.3#

68 7.6 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 95.723 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

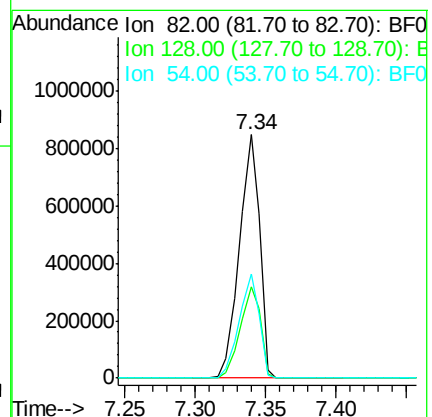
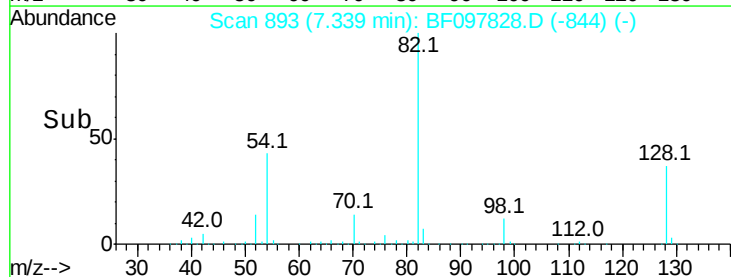
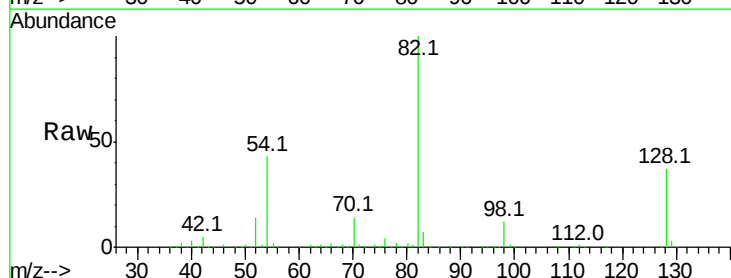
Tgt Ion: 82 Resp: 847055

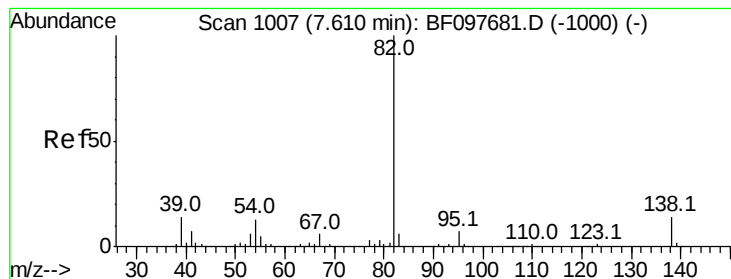
Ion Ratio Lower Upper

82 100

128 37.3 34.0 51.0

54 42.7 42.2 63.2





#25

Isophorone

Concen: 45.903 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

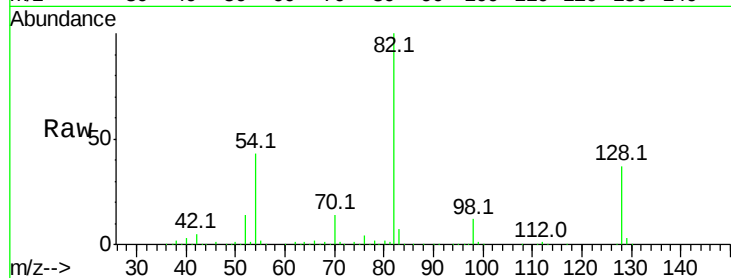
Tot Ion: 82 Resp: 844627

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

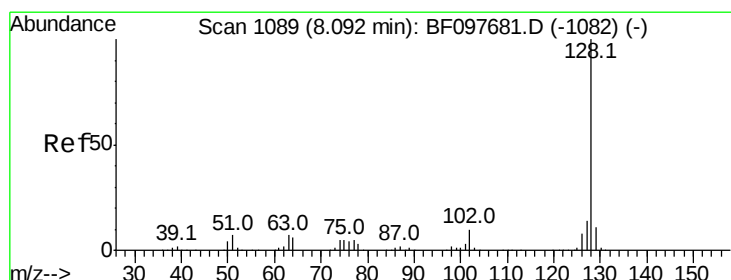
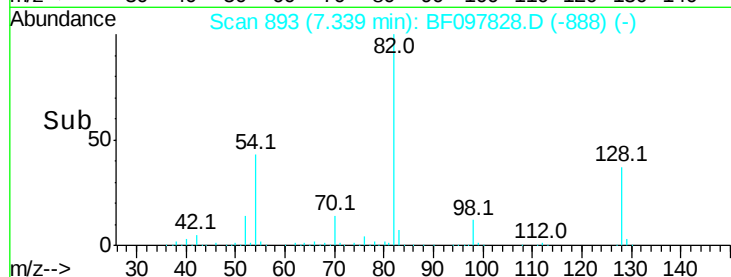
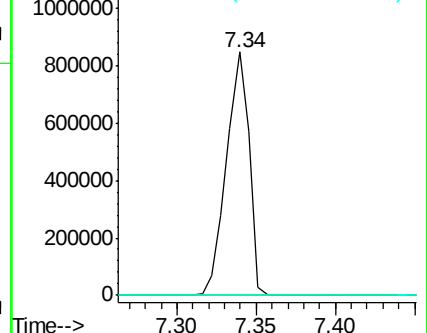
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.598 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

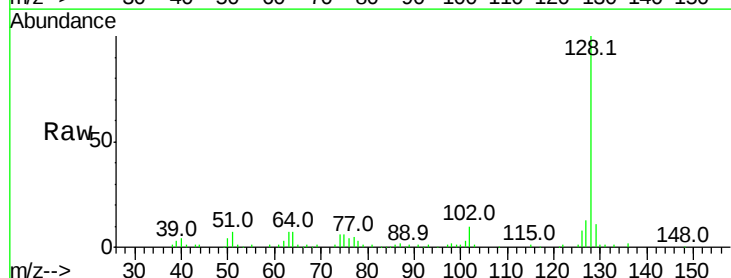
Tgt Ion: 128 Resp: 64849

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

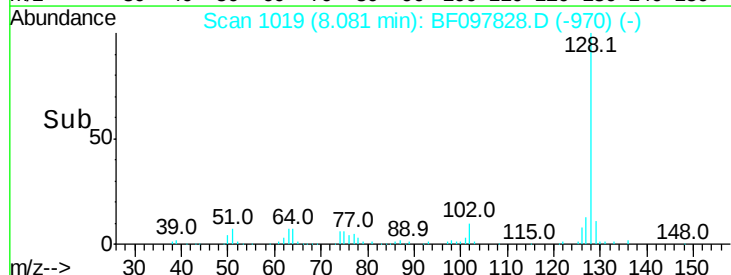
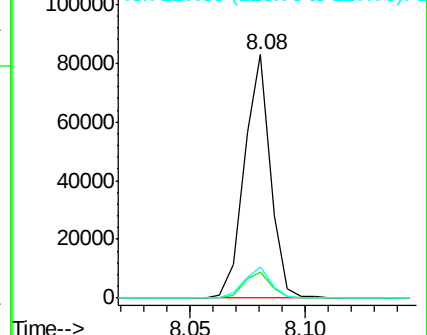
127 12.9 10.8 16.2

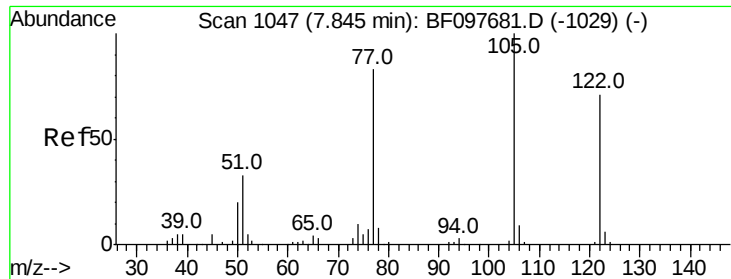


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

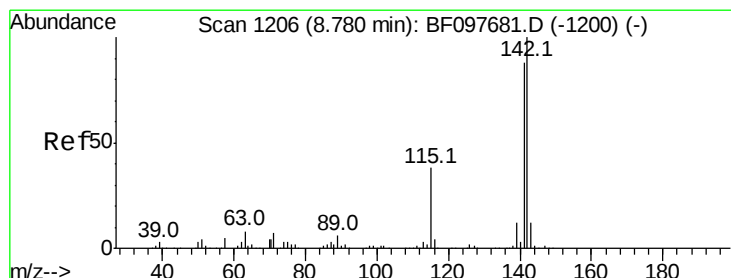
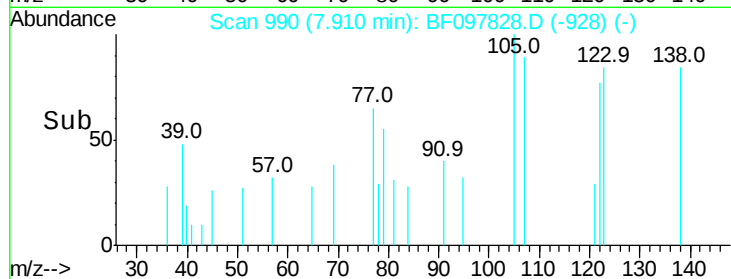
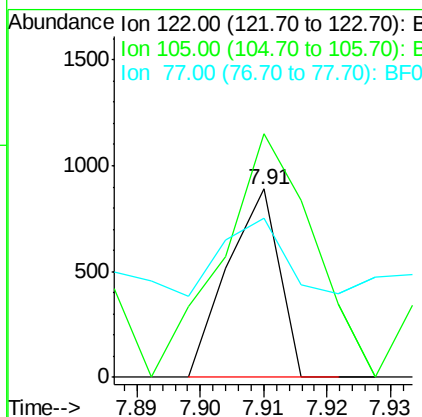
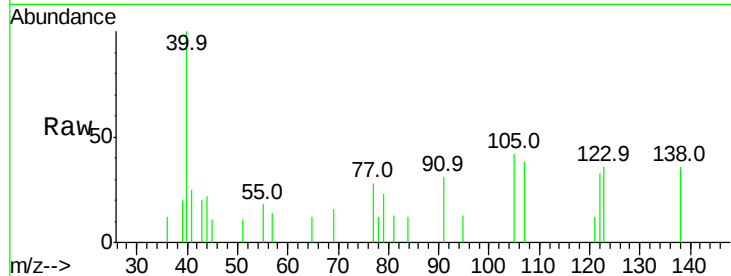




#32
Benzoic acid
Concen: 6.481 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.06 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

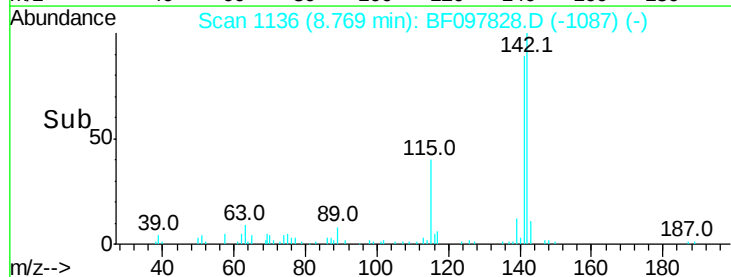
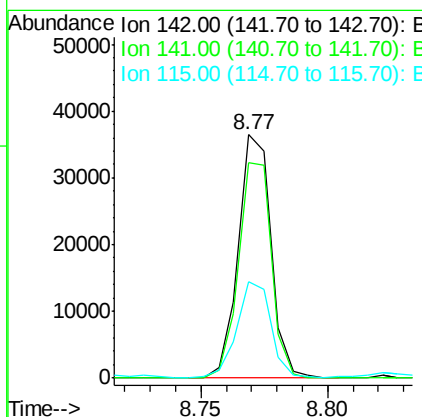
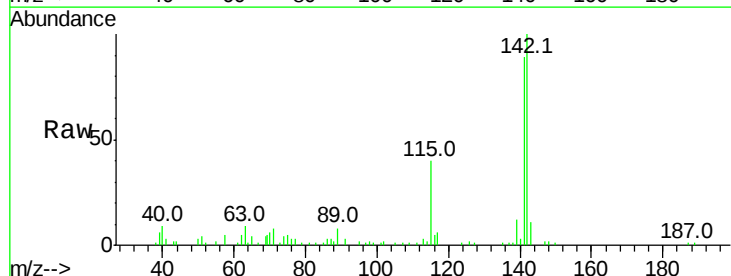
Instrument :
BNA_F
ClientSampleId :
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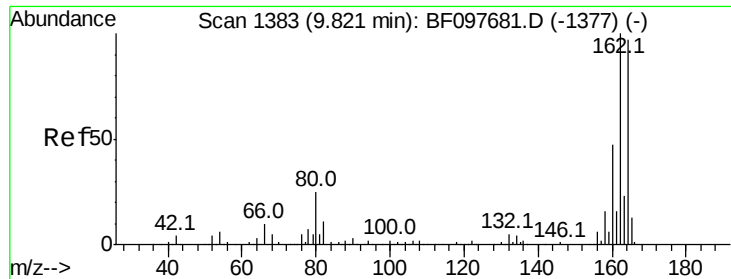
Tot Ion:122 Resp: 496
Ion Ratio Lower Upper
122 100
105 129.3 103.3 143.3
77 84.4 73.7 113.7



#37
2-Methylnaphthalene
Concen: 2.132 ng
RT: 8.77 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion:142 Resp: 32626
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9
115 39.9 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

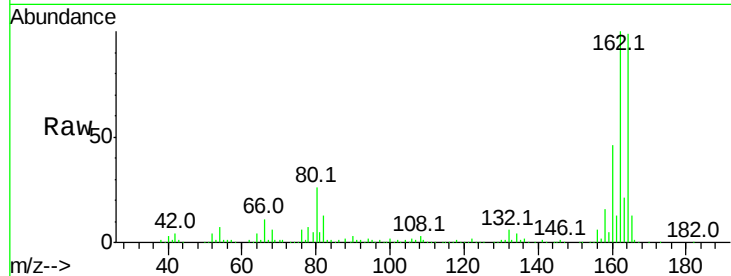
Tot Ion:164 Resp: 181723

Ion Ratio Lower Upper

164 100

162 100.8 82.6 123.8

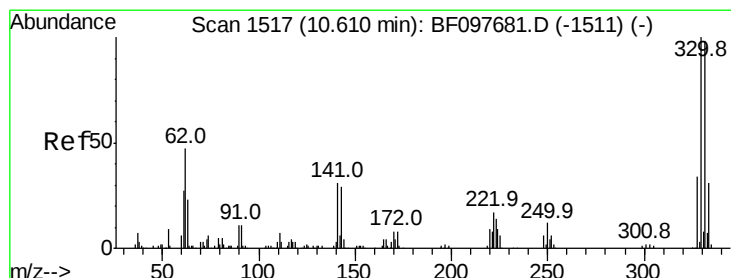
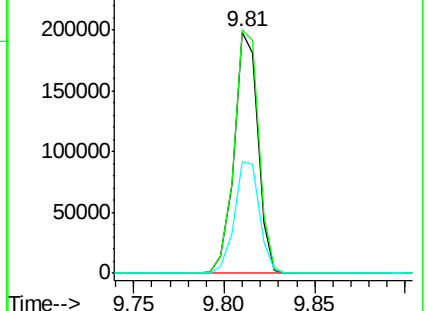
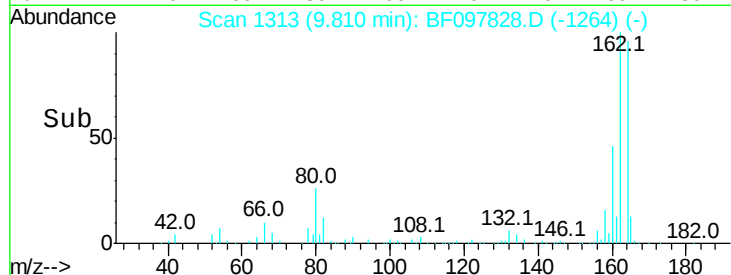
160 46.5 36.2 54.2



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: 117.106 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

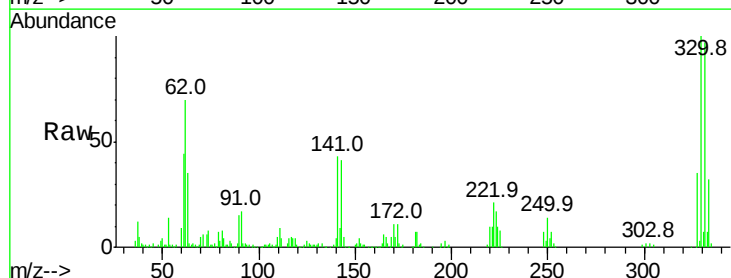
Tgt Ion:330 Resp: 184646

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

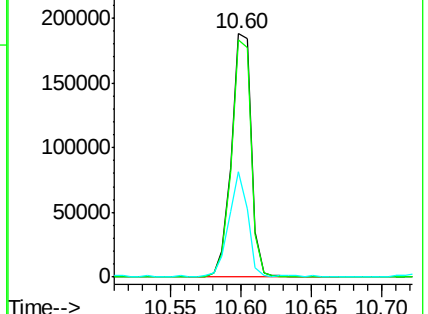
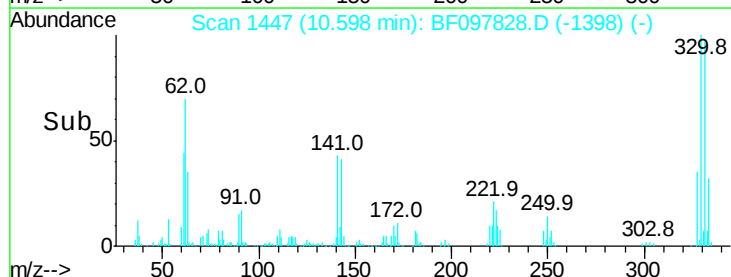
141 39.8 31.4 47.2

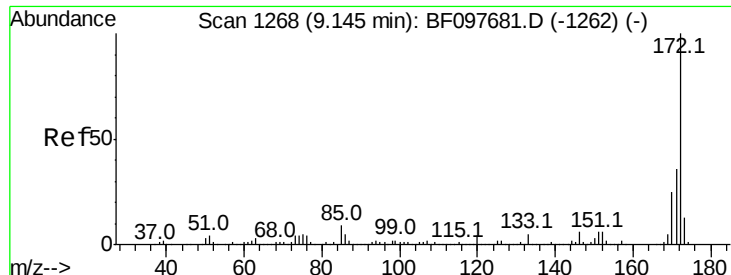


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

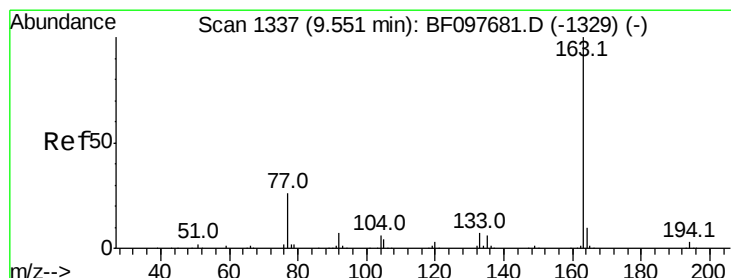
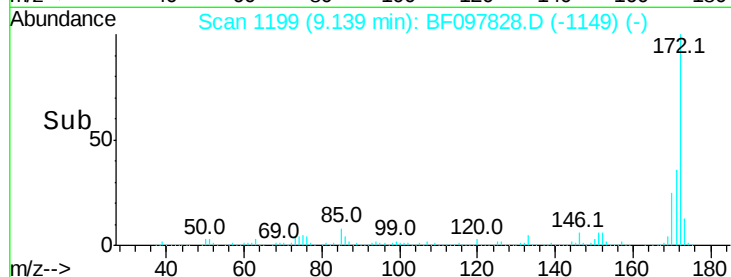
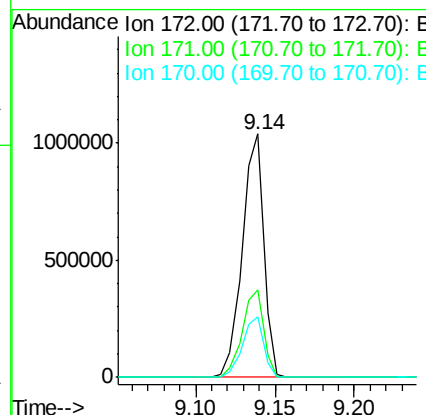
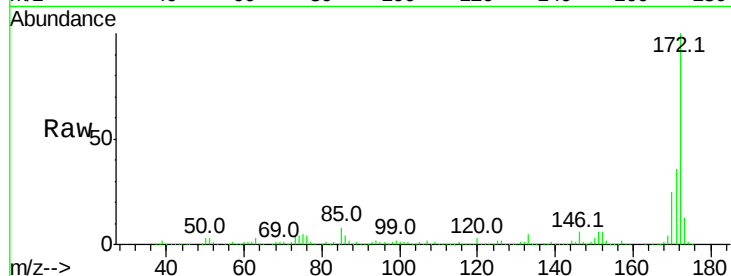




#44
2-Fluorobiphenyl
Concen: 79.113 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

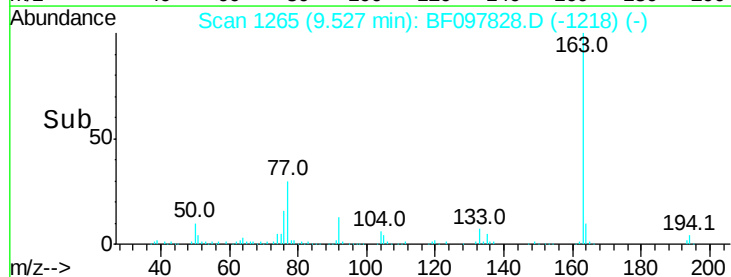
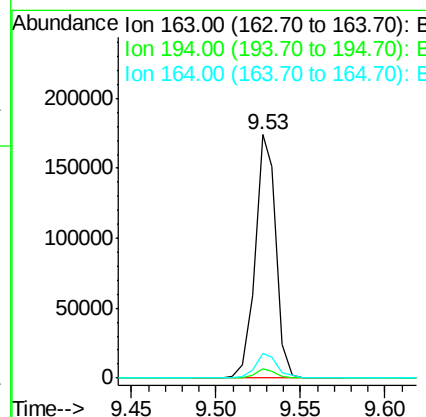
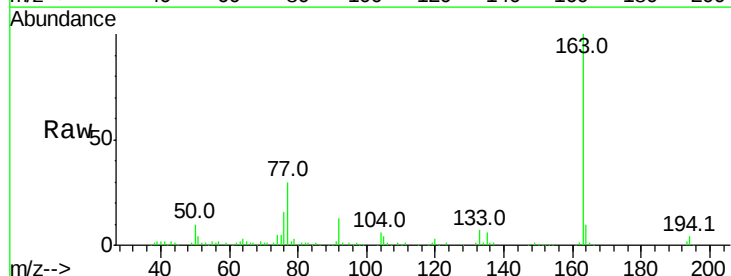
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

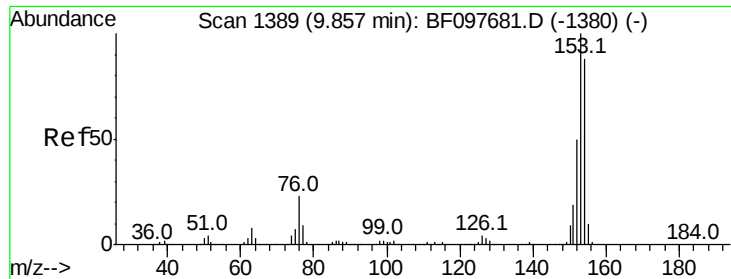
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.6	19.8	29.8



#49
Dimethylphthalate
Concen: 11.265 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.0	8.4	12.6





#51

Acenaphthene

Concen: 3.212 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

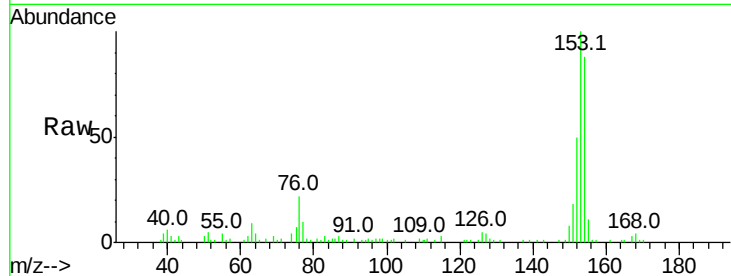
Tot Ion:154 Resp: 38945

Ion Ratio Lower Upper

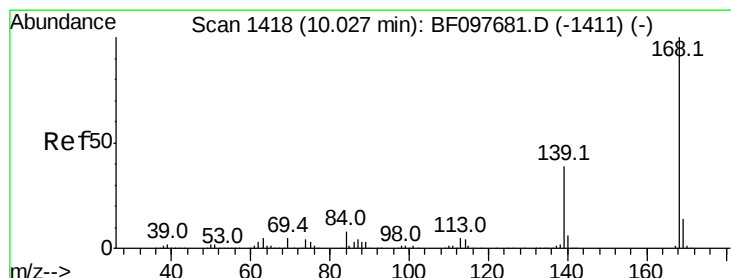
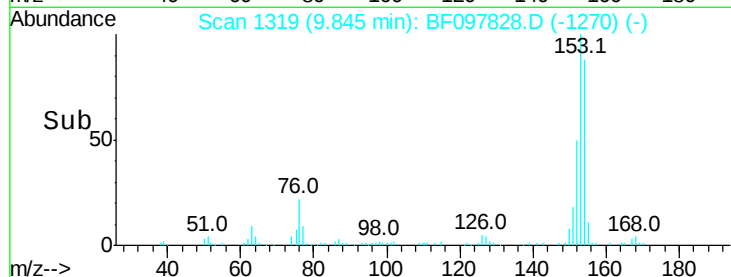
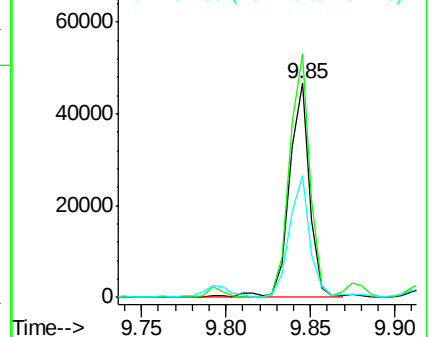
154 100

153 113.8 90.5 135.7

152 57.0 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



#54

Dibenzofuran

Concen: 2.119 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

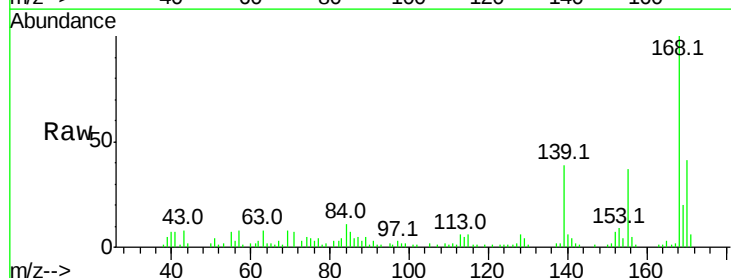
Tgt Ion:168 Resp: 34438

Ion Ratio Lower Upper

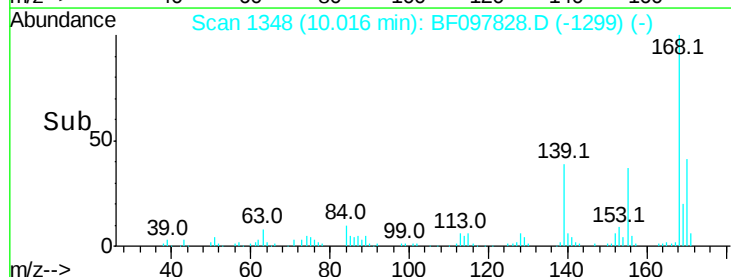
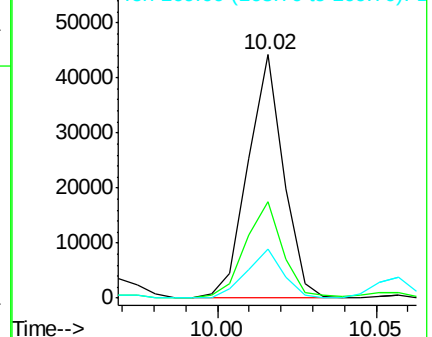
168 100

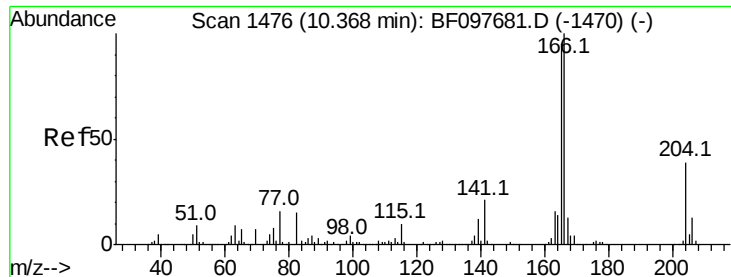
139 39.4 30.6 45.8

169 20.3 10.8 16.2#



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

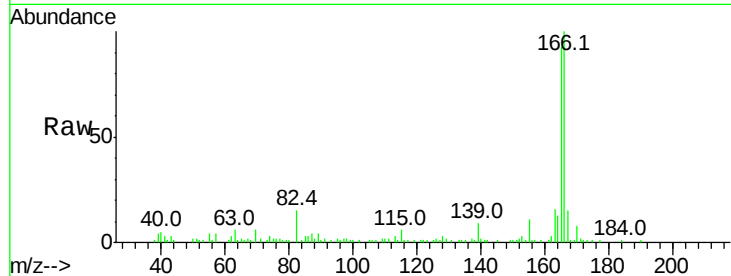




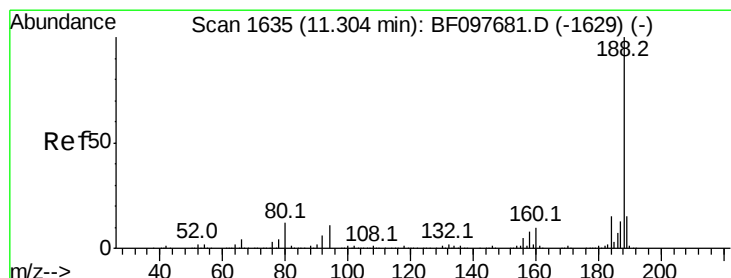
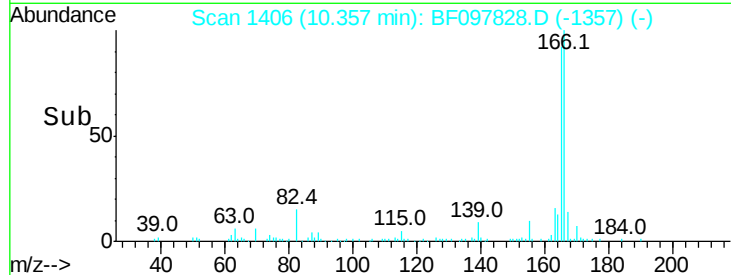
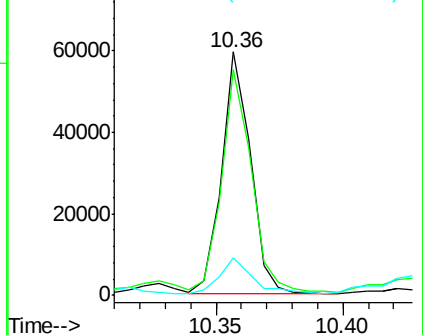
#57
Fluorene
 Concen: 3.756 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMSD

Tot Ion:166 Resp: 47198
 Ion Ratio Lower Upper
 166 100
 165 92.6 78.8 118.2
 167 15.3 10.6 16.0

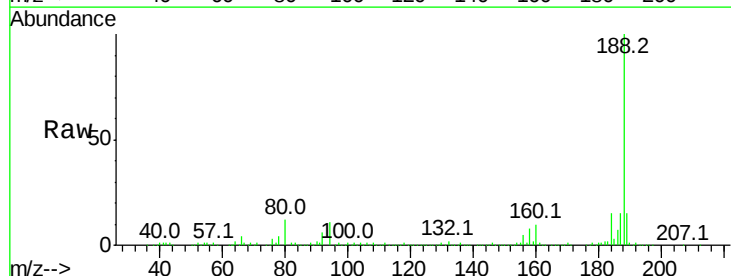


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

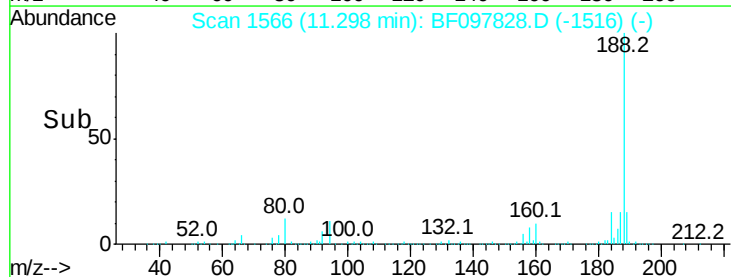
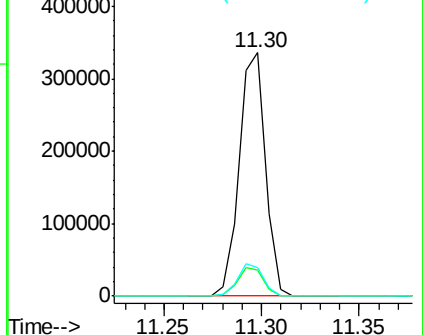


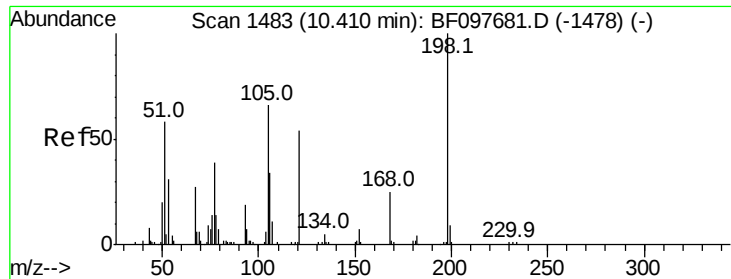
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Tgt Ion:188 Resp: 312681
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 11.9 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

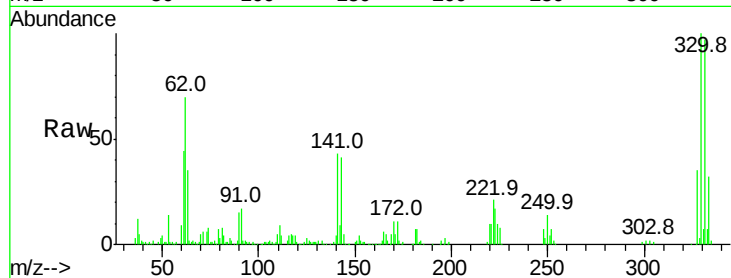




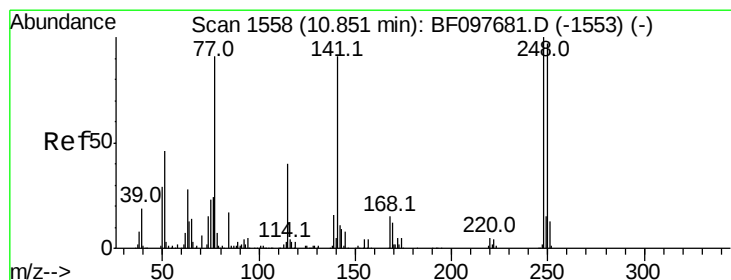
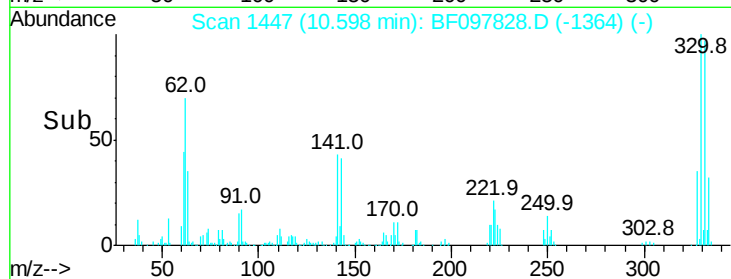
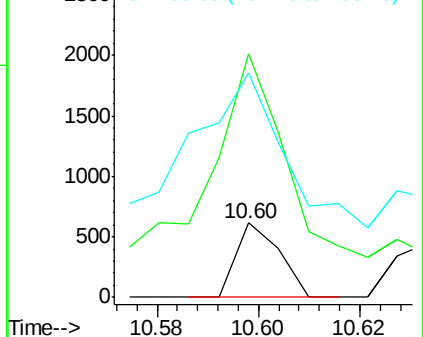
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.522 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESWMSD

Tot Ion:198 Resp: 359
 Ion Ratio Lower Upper
 198 100
 51 327.2 53.2 93.2#
 105 301.3 45.8 85.8#

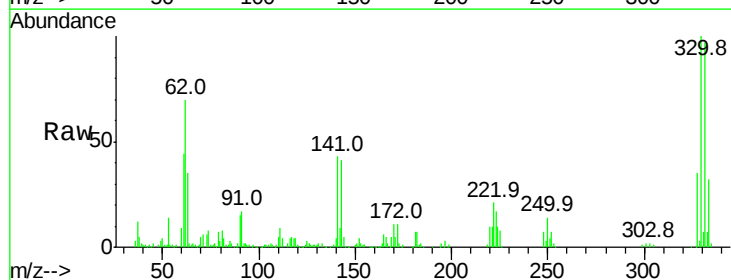


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

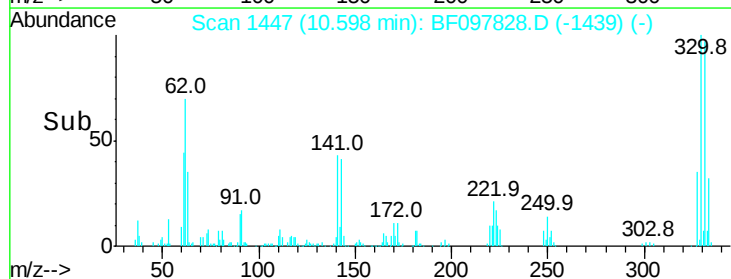
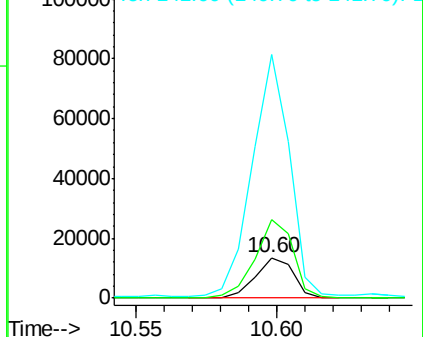


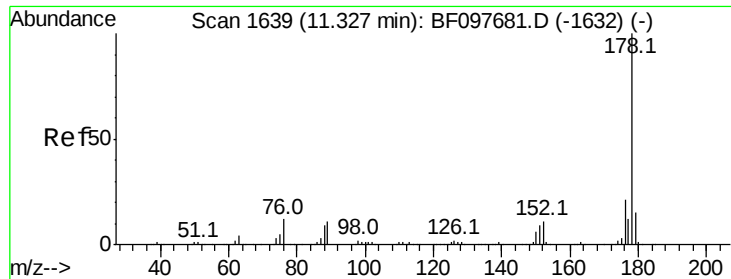
#66
 4-Bromophenyl-phenylether
 Concen: 3.898 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097828.D
 Acq: 18 Aug 2017 11:39

Tgt Ion:248 Resp: 12658
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.8 115.2#
 141 606.2 68.6 103.0#



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

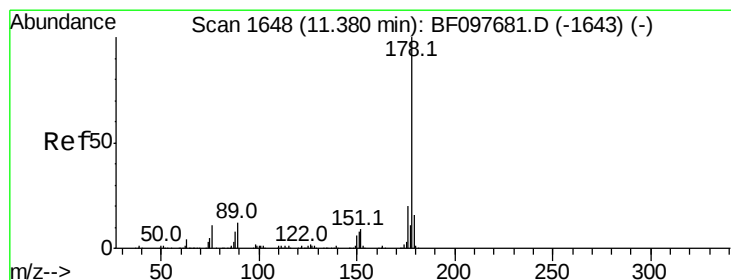
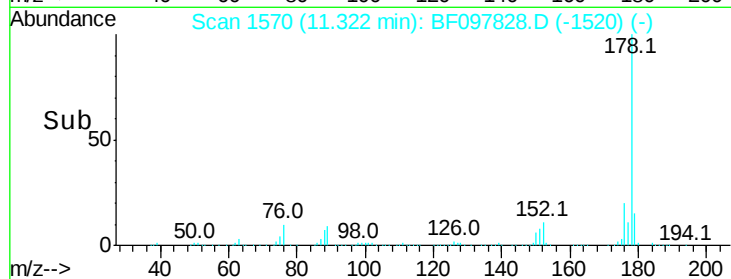
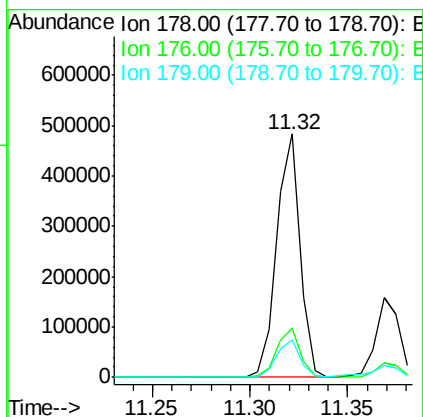
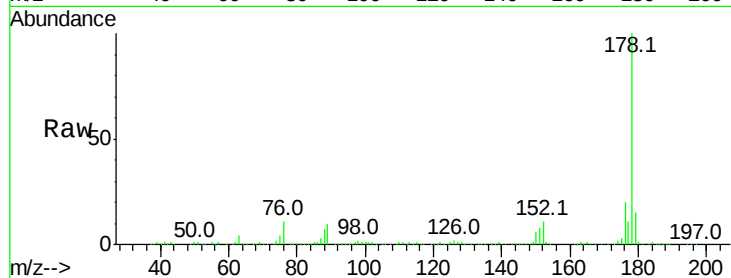




#70
Phenanthrene
Concen: 24.144 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

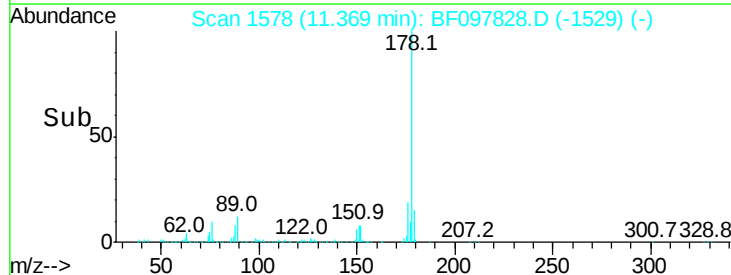
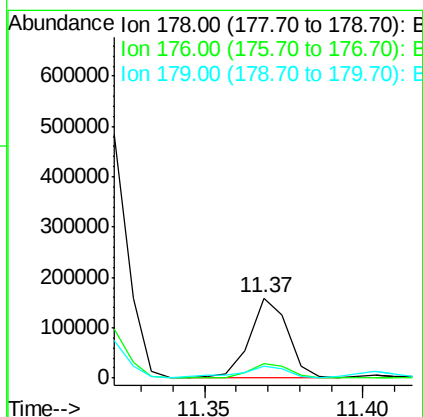
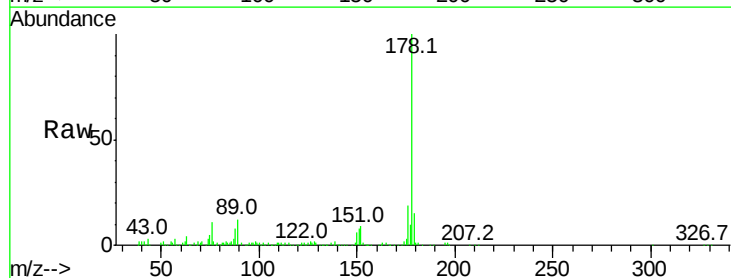
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

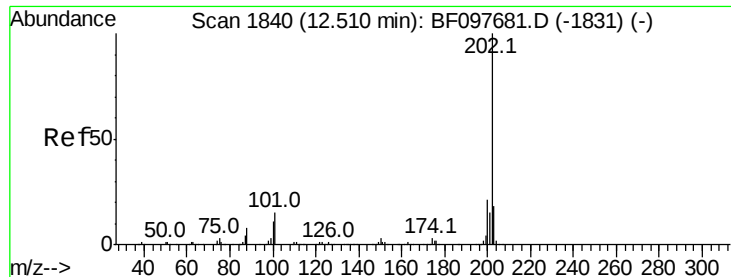
Tot Ion:178 Resp: 402280
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 7.739 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion:178 Resp: 130782
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 12.7 19.1





#74

Fluoranthene

Concen: 37.671 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

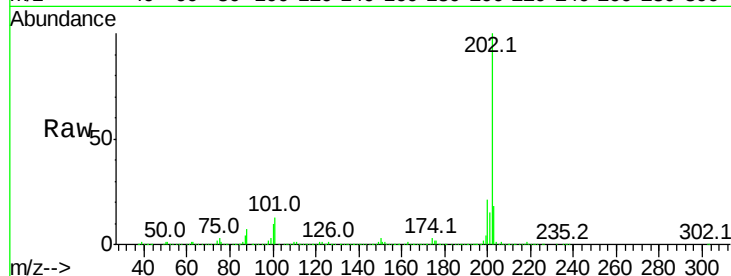
Tot Ion:202 Resp: 655137

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

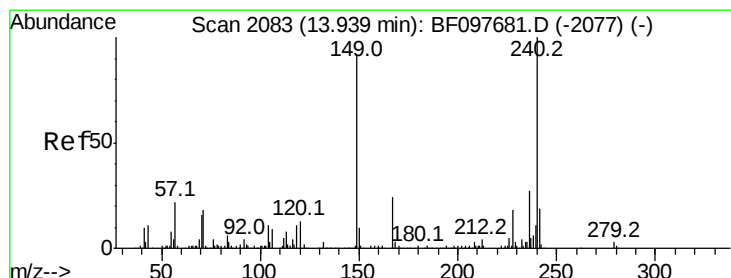
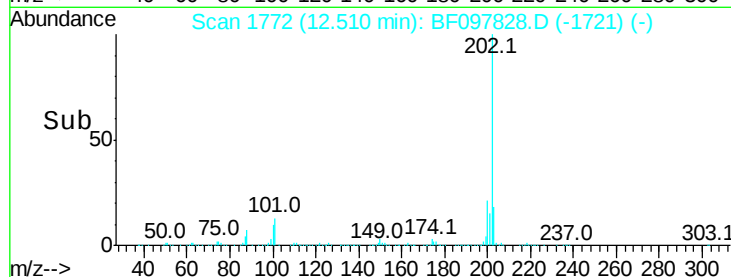
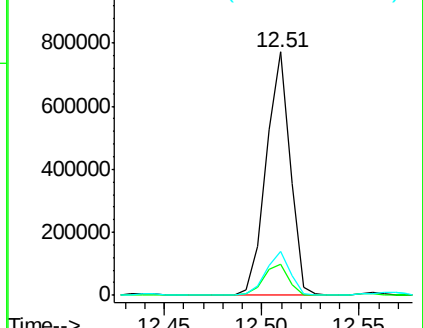
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

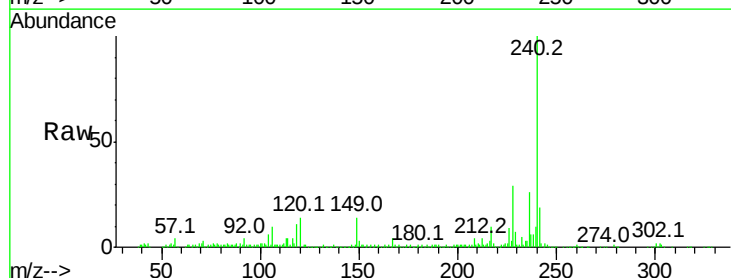
Tgt Ion:240 Resp: 261906

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

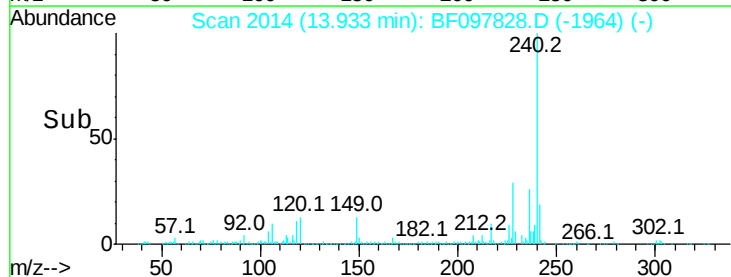
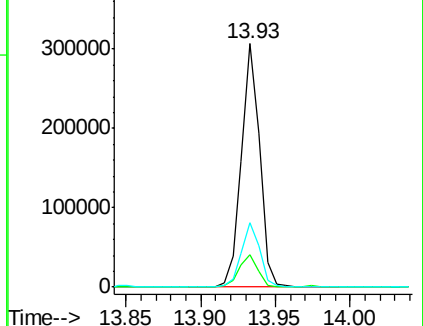
236 26.3 20.5 30.7

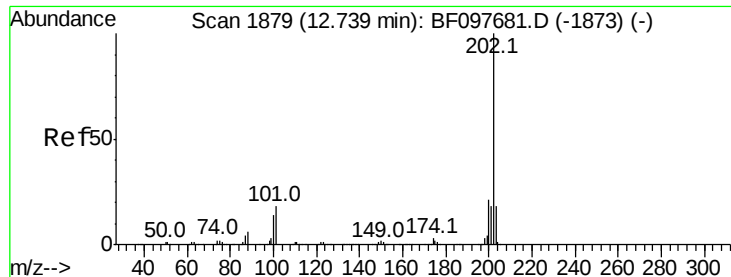


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

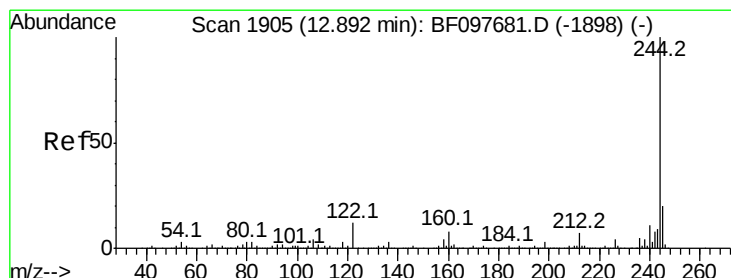
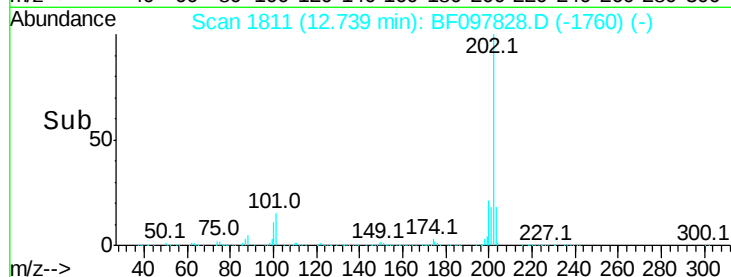
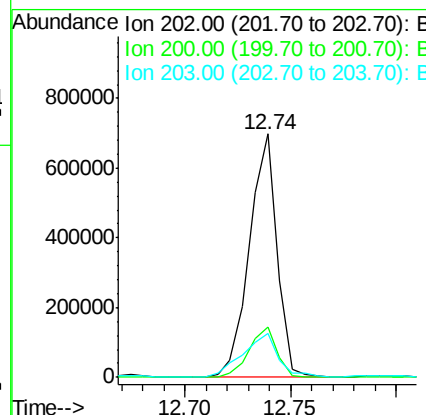
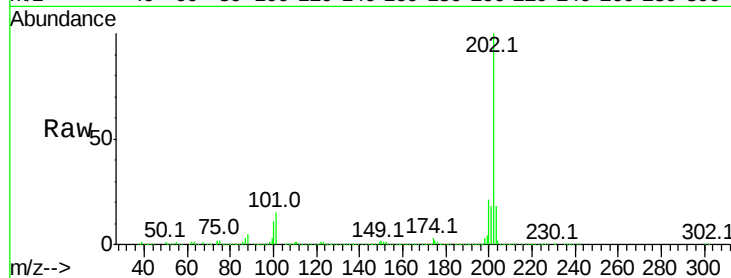




#77
Pvrene
Concen: 29.619 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

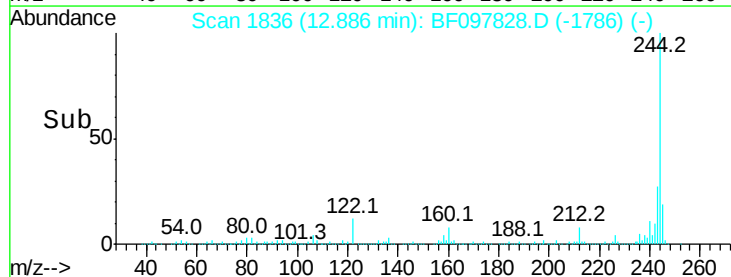
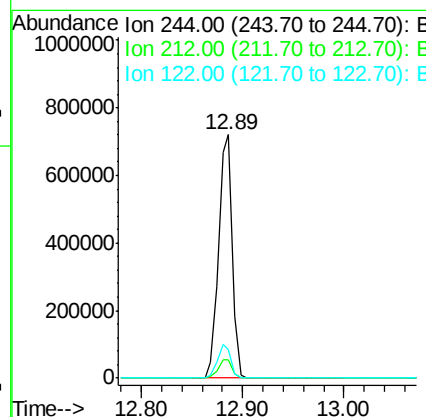
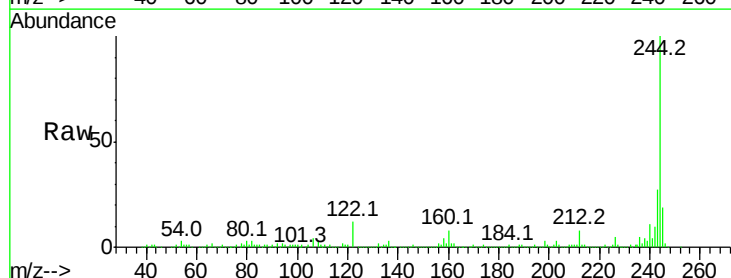
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

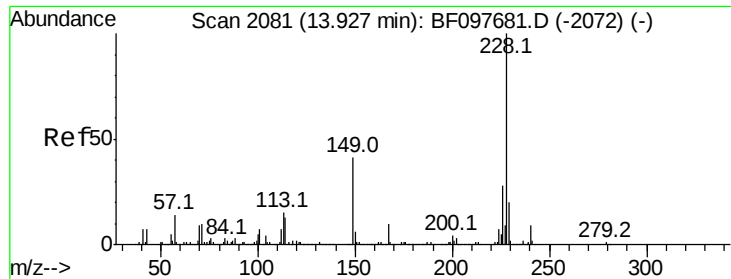
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	18.1	14.4	21.6



#78
Terphenyl-d14
Concen: 53.687 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	11.5	10.3	15.5

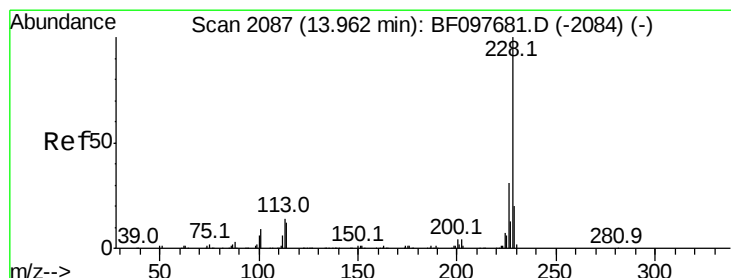
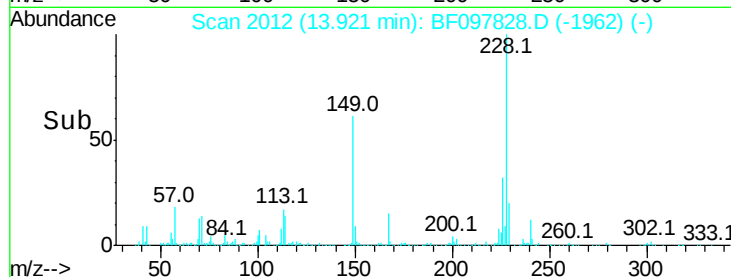
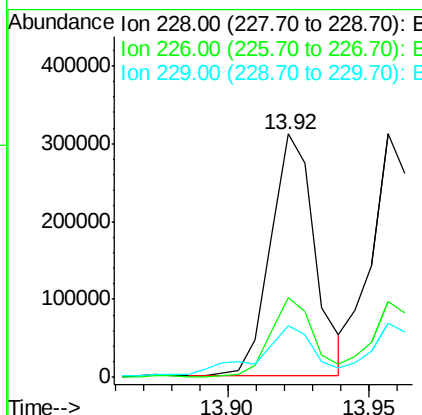
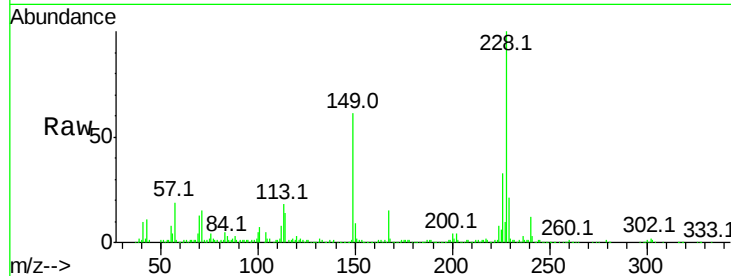




#80
Benzo(a)anthracene
Concen: 21.636 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

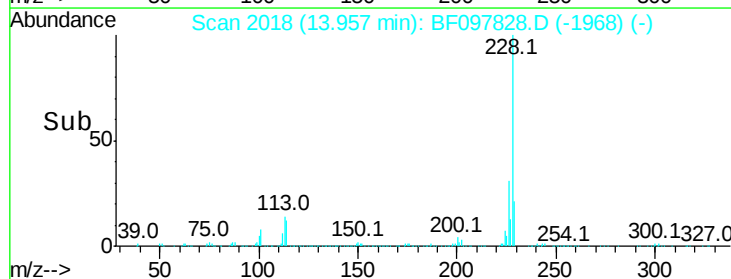
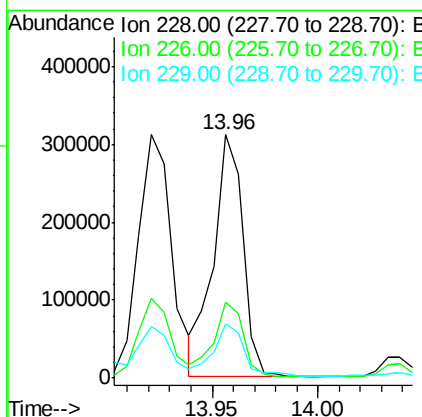
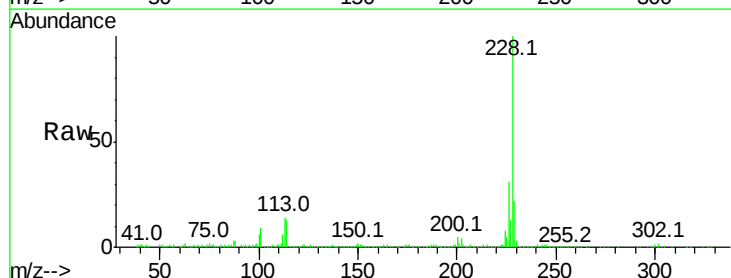
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

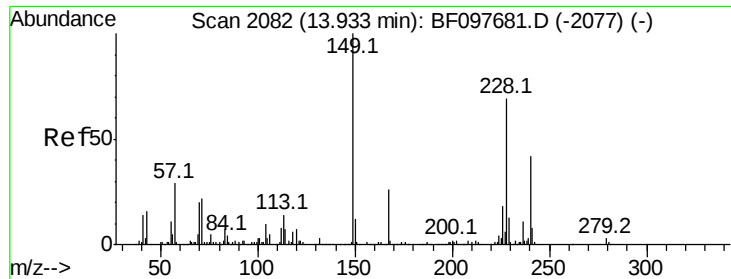
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	21.2	16.3	24.5



#82
Chrysene
Concen: 19.448 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.0	15.8	23.6

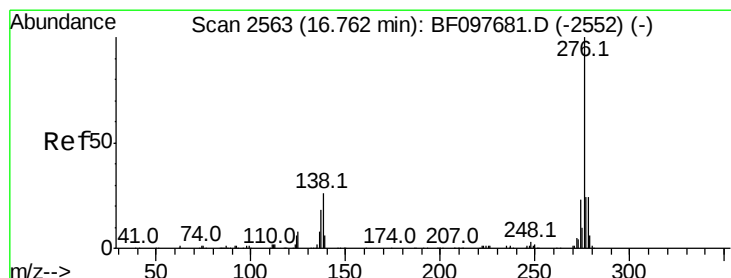
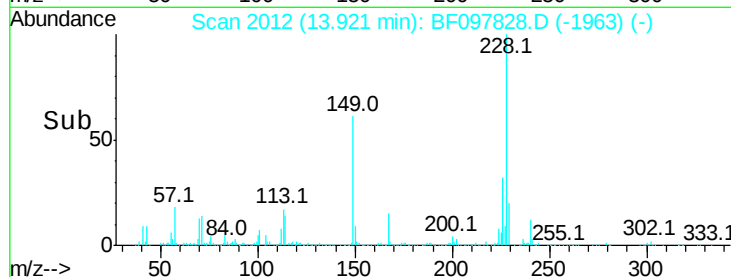
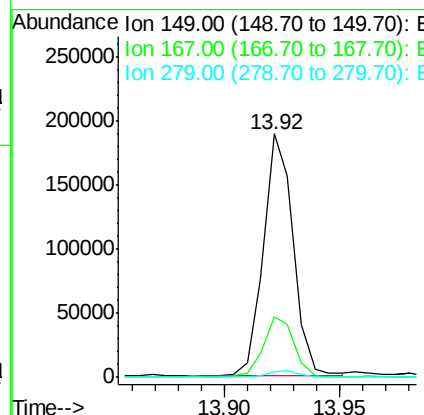
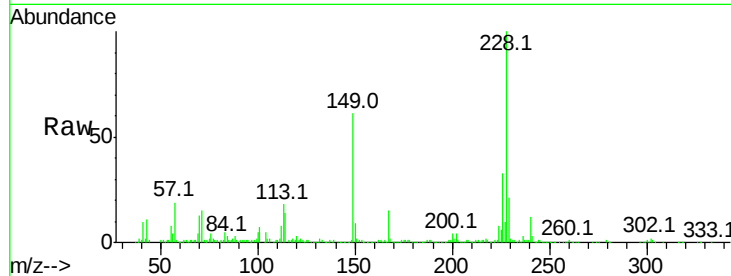




#83
Bis(2-ethylhexyl)phthalate
Concen: 18.515 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

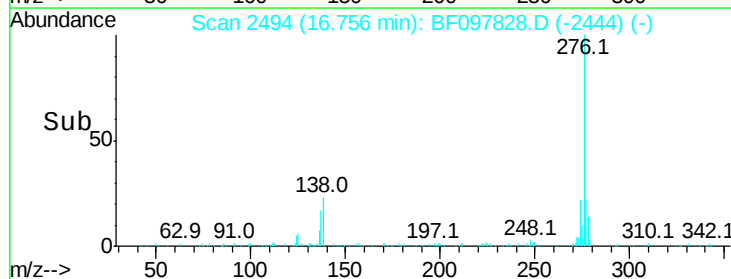
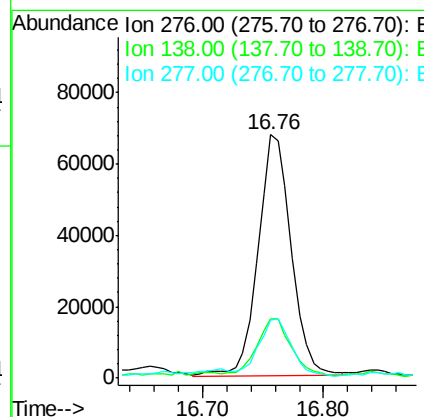
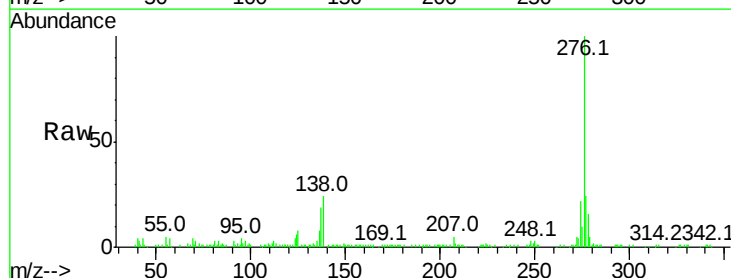
Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

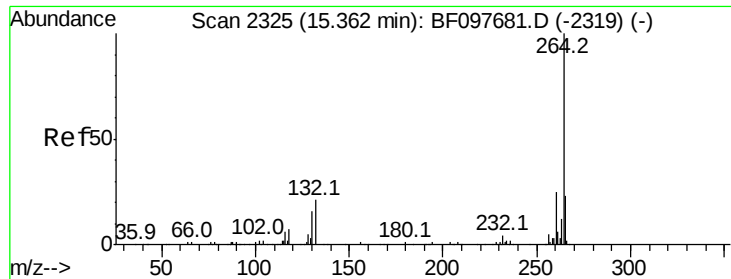
Tot Ion:149 Resp: 168502
Ion Ratio Lower Upper
149 100
167 24.8 21.0 31.4
279 2.4 1.9 2.9



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.174 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion:276 Resp: 128358
Ion Ratio Lower Upper
276 100
138 24.0 27.8 41.6#
277 23.2 20.2 30.4

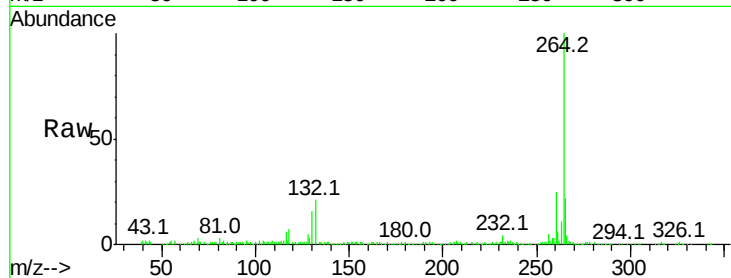




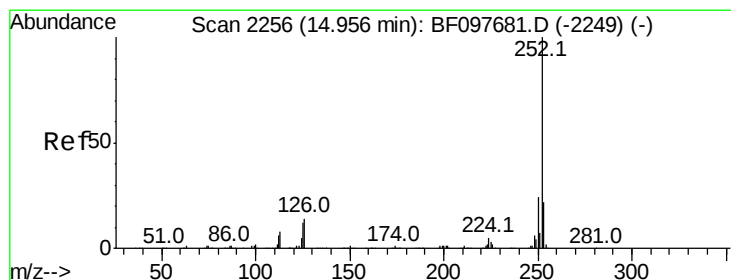
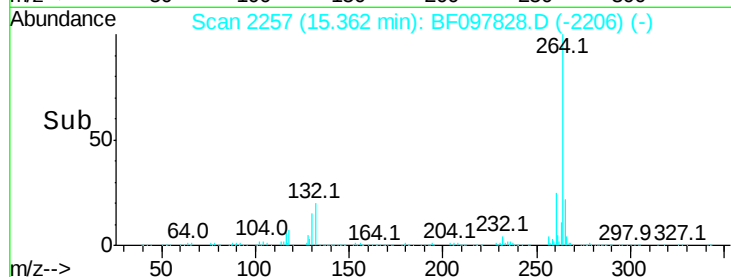
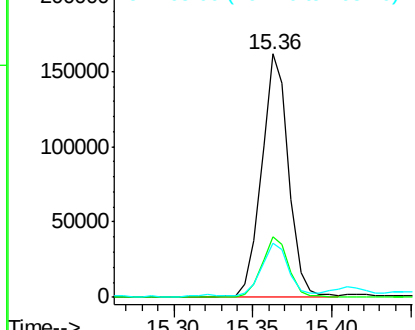
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

Tot Ion:264 Resp: 192332
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.4 17.2 25.8

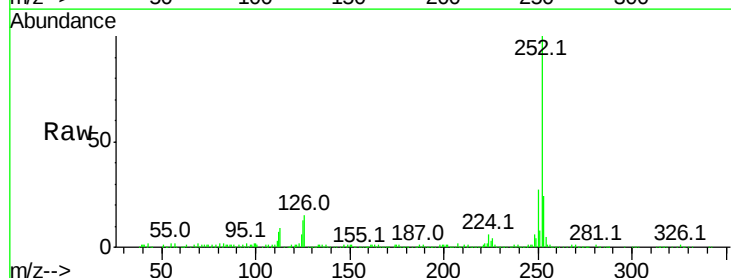


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

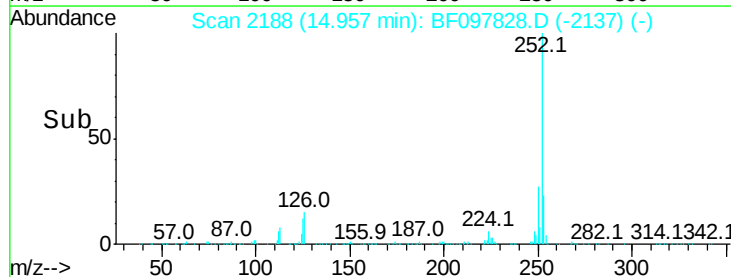
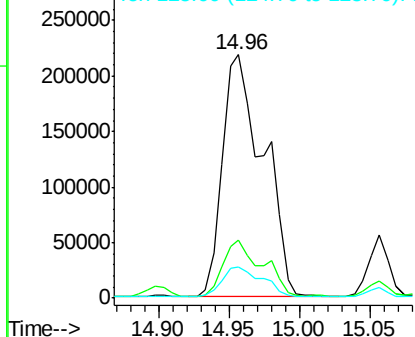


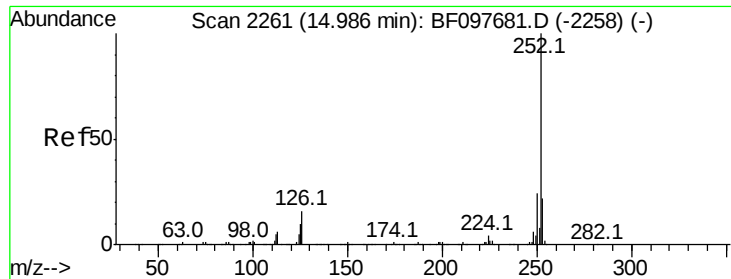
#87
Benzo(b)fluoranthene
Concen: 36.594 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion:252 Resp: 443634
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 12.8 9.8 14.8



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

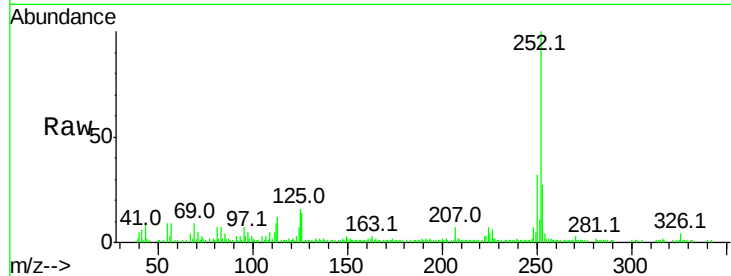




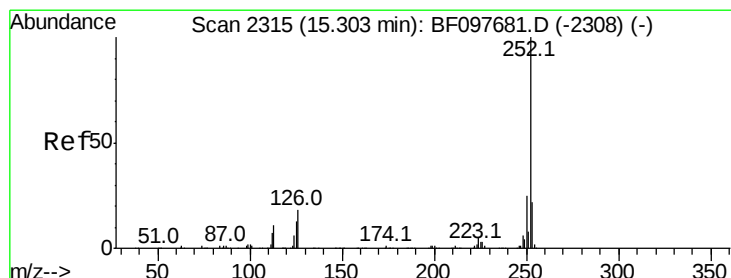
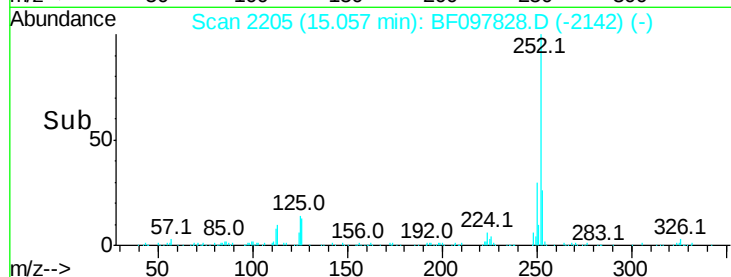
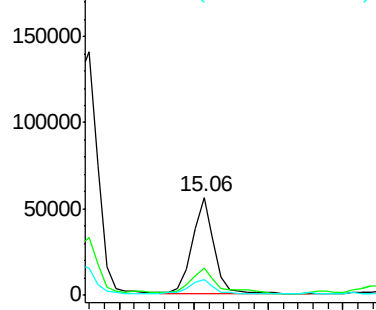
#88
Benzo(k)fluoranthene
Concen: 5.003 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.07 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Instrument :
BNA_F
ClientSampleId :
E2-110-ESWMSD

Tot Ion:252 Resp: 56989
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 16.1 13.1 19.7

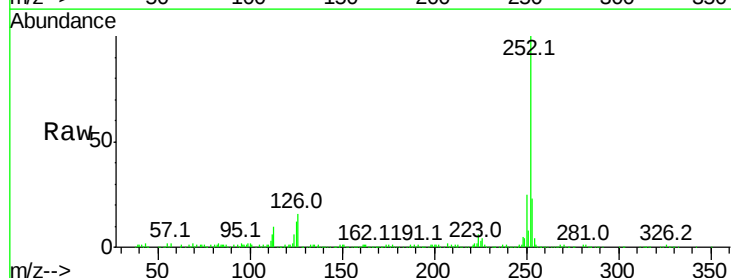


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

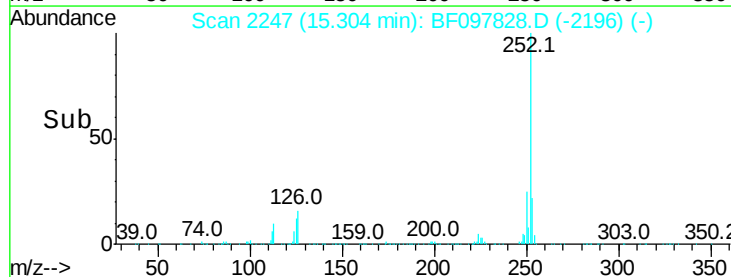
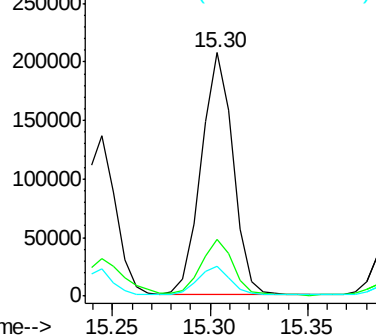


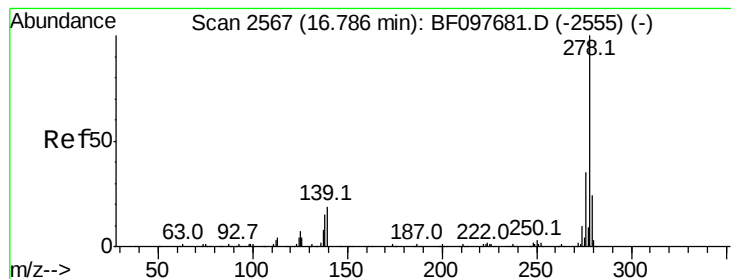
#89
Benzo(a)pyrene
Concen: 21.744 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097828.D
Acq: 18 Aug 2017 11:39

Tgt Ion:252 Resp: 233369
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.3 11.0 16.4



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





#90

Dibenzo(a,h)anthracene

Concen: 3.891 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

Instrument :

BNA_F

ClientSampleId :

E2-110-ESWMSD

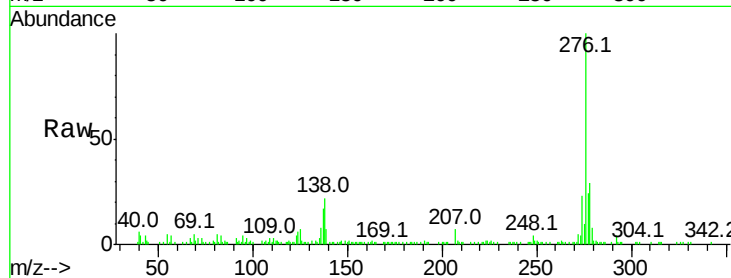
Tot Ion:278 Resp: 34001

Ion Ratio Lower Upper

278 100

139 23.5 16.6 24.8

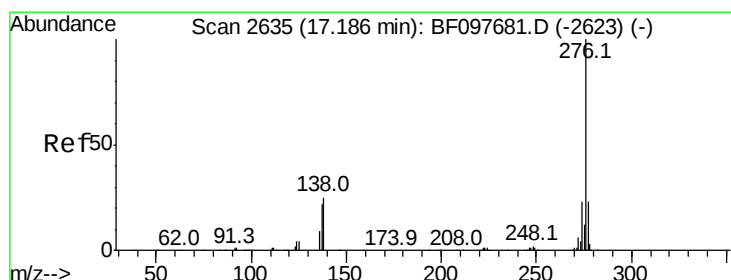
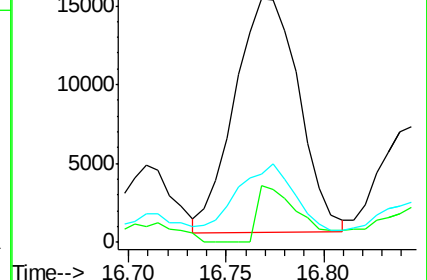
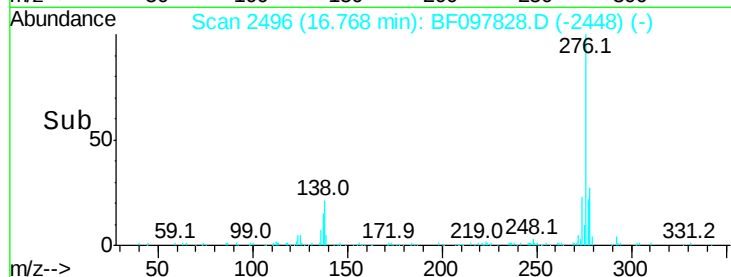
279 28.3 19.3 28.9



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: 12.776 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097828.D

Acq: 18 Aug 2017 11:39

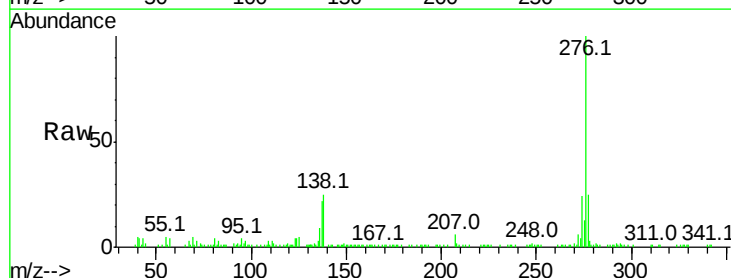
Tgt Ion:276 Resp: 116476

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 25.4 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

