

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097194.D
 Acq On : 29 Jul 2017 10:28
 Operator : SJ/JU
 Sample : I4421-11MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-BASEMSD

Quant Time: Jul 31 01:00:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

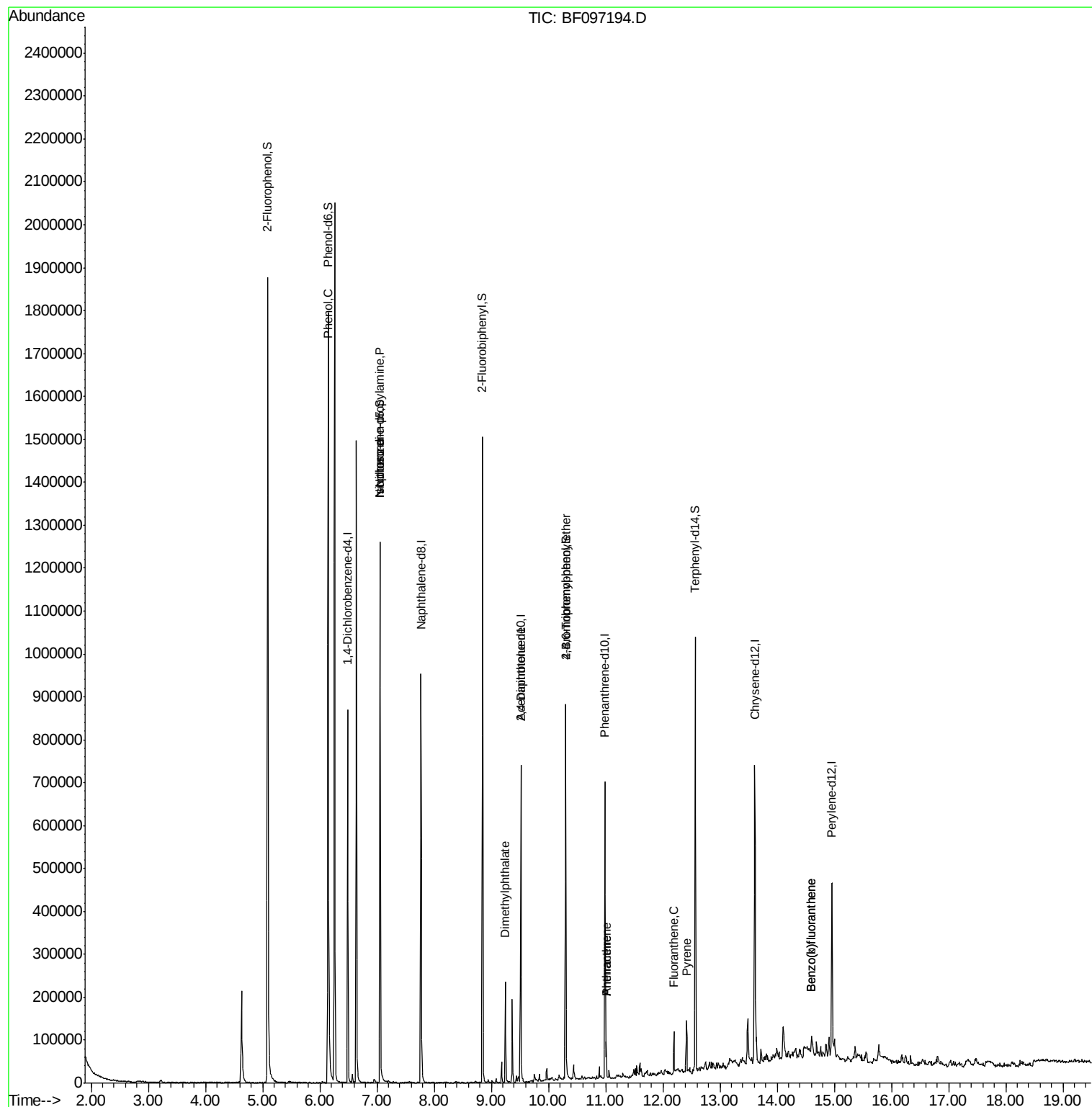
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	117130	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	413523	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	148537	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	230321	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	214502	20.00	ng	-0.02
86) Perylene-d12	14.96	264	155905	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	554103	71.31	ng	-0.01
7) Phenol-d6	6.15	99	647578	73.01	ng	-0.02
23) Nitrobenzene-d5	7.05	82	361341	51.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	88514	75.42	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	432937	49.46	ng	-0.02
78) Terphenyl-d14	12.57	244	273262	25.97	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	23390	2.22	ng	# 75
19) n-Nitroso-di-n-propylamine	7.05	70	47227	8.09	ng	# 85
25) Isophorone	7.05	82	356063	25.79	ng	# 67
49) Dimethylphthalate	9.25	163	87652	7.77	ng	99
56) 2,4-Dinitrotoluene	9.51	165	18972	6.90	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	5693	2.48	ng	# 1
70) Phenanthrene	11.01	178	26533	2.15	ng	99
71) Anthracene	11.01	178	26533	2.10	ng	99
74) Fluoranthene	12.19	202	36064	2.98	ng	98
77) Pyrene	12.42	202	43686	2.49	ng	96
87) Benzo(b)fluoranthene	14.60	252	24830	2.65	ng	# 87
88) Benzo(k)fluoranthene	14.60	252	24830	2.78	ng	# 91

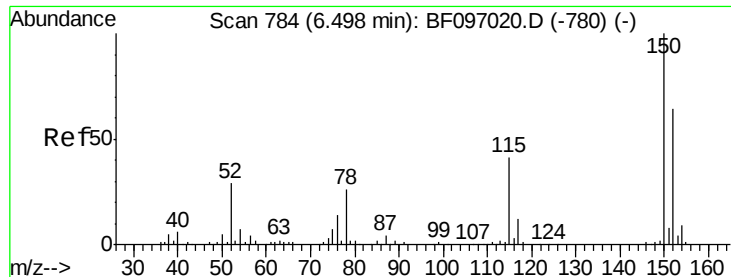
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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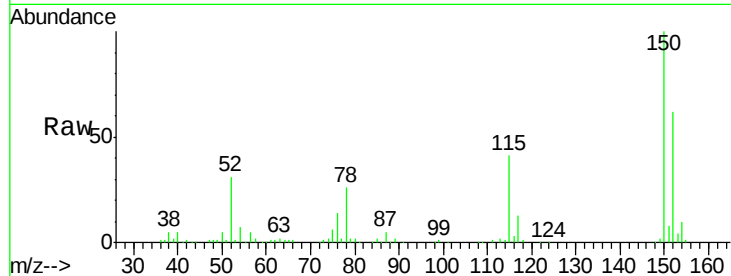


#1

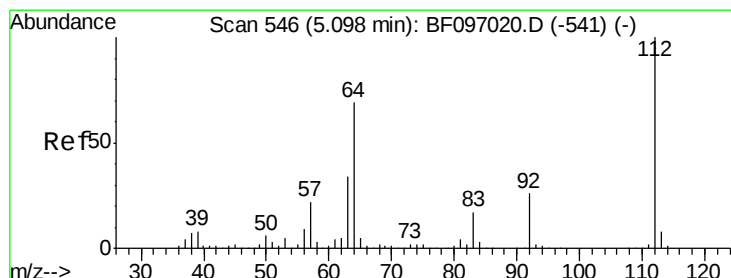
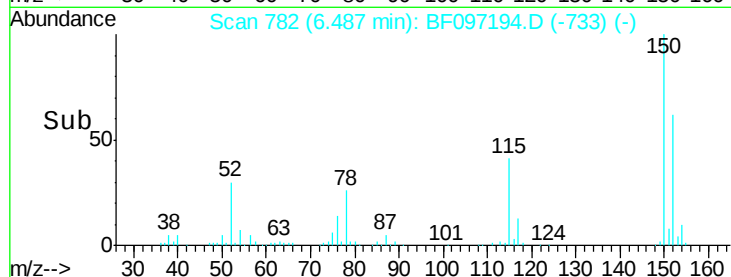
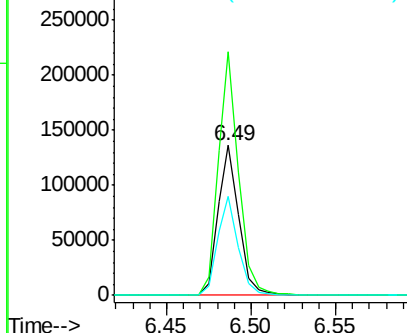
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

Instrument :
BNA_F
ClientSampleId :
E2-HS5-BASEMSD

Tot Ion:152 Resp: 117130
Ion Ratio Lower Upper
152 100
150 162.3 126.2 189.2
115 66.3 52.2 78.2



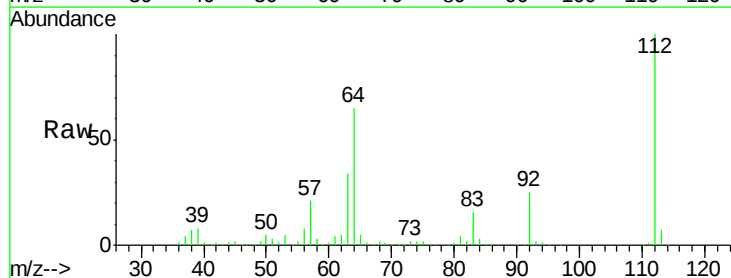
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



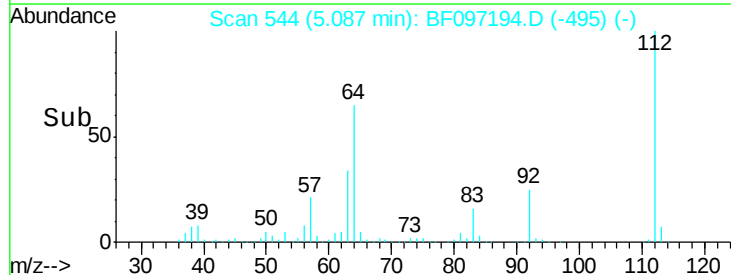
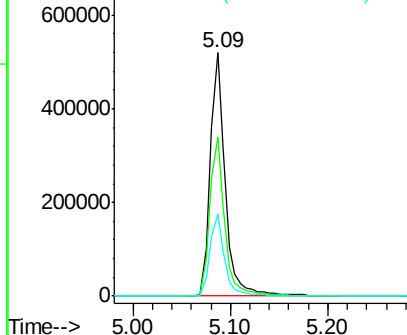
#5

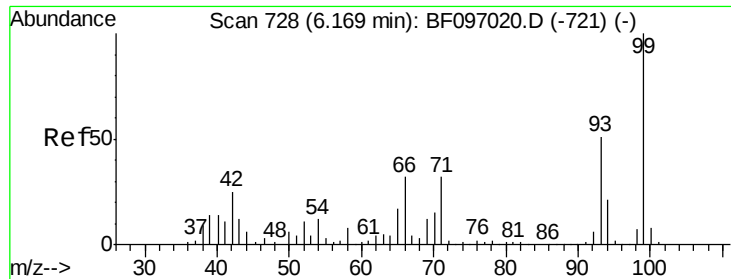
2-Fluorophenol
Concen: 71.31 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

Tgt Ion:112 Resp: 554103
Ion Ratio Lower Upper
112 100
64 65.3 46.0 69.0
63 33.6 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: 73.01 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

Instrument :

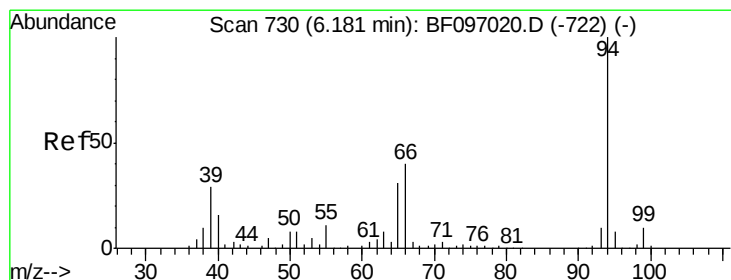
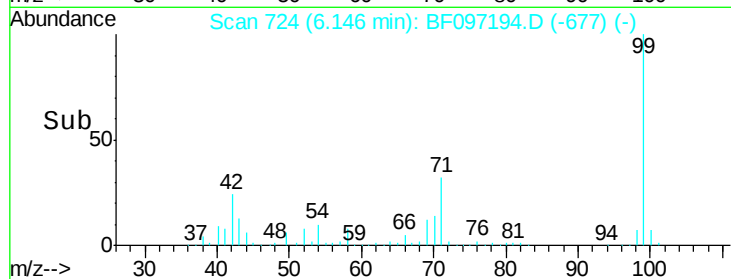
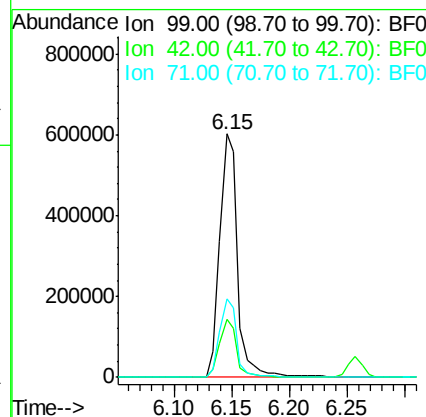
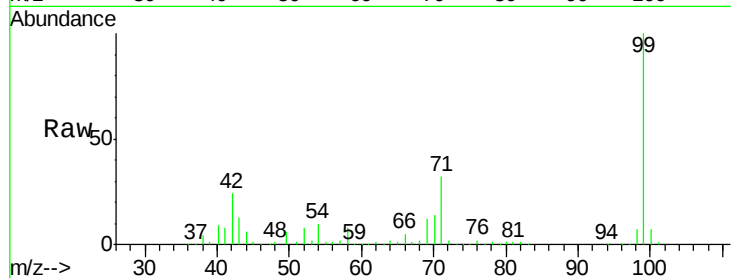
BNA_F

ClientSampleId :

E2-HS5-BASEMSD

Tot Ion: 99 Resp: 647578

Ion	Ratio	Lower	Upper
99	100		
42	24.1	13.5	20.3#
71	32.3	24.5	36.7



#10

Phenol

Concen: 2.22 ng

RT: 6.16 min Scan# 726

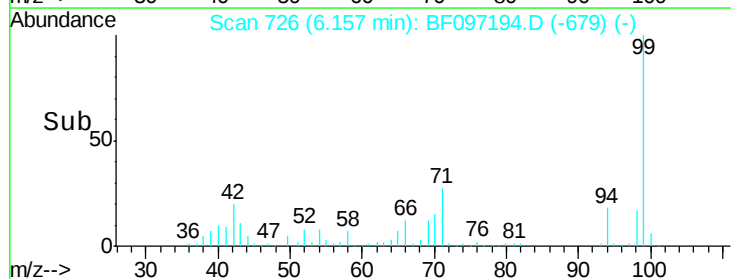
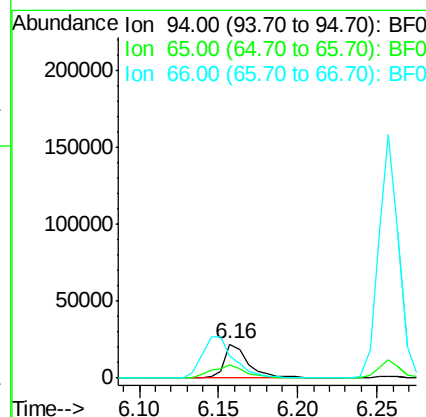
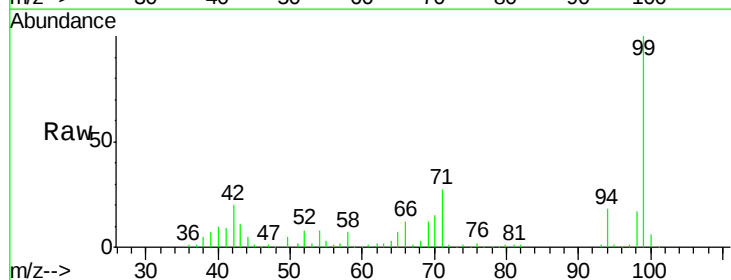
Delta R.T. -0.02 min

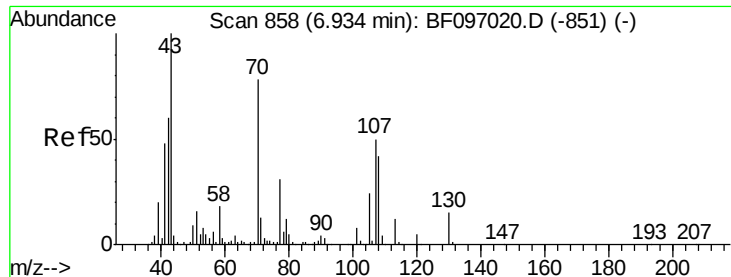
Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

Tgt Ion: 94 Resp: 23390

Ion	Ratio	Lower	Upper
94	100		
65	36.8	9.9	49.9
66	65.1	23.1	63.1#

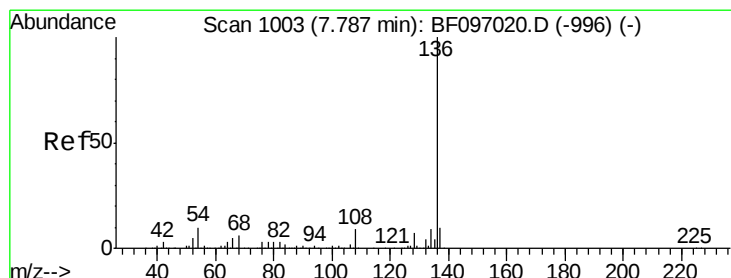
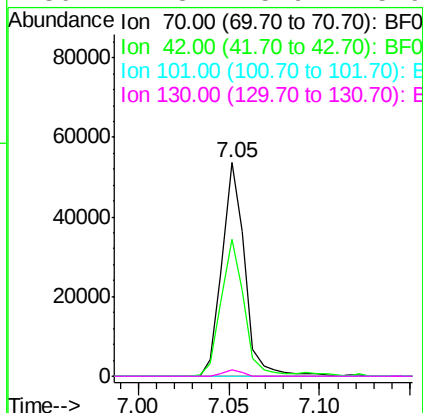
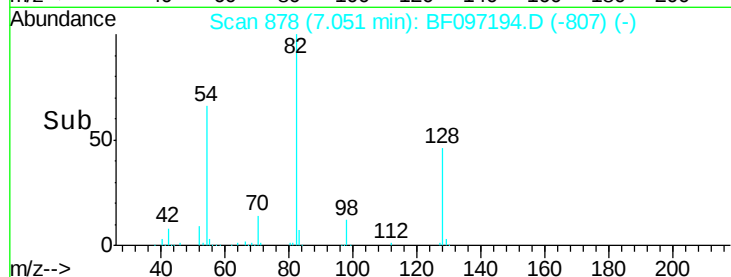
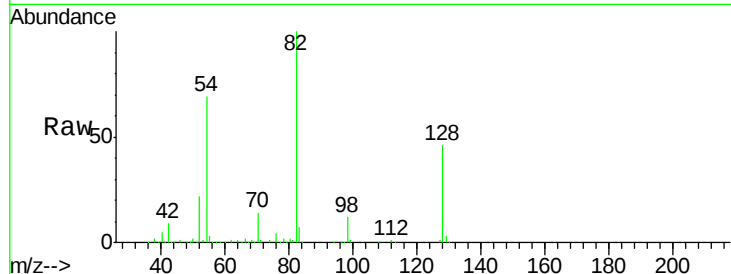




#19
n-Nitroso-di-n-propylamine
Concen: 8.09 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

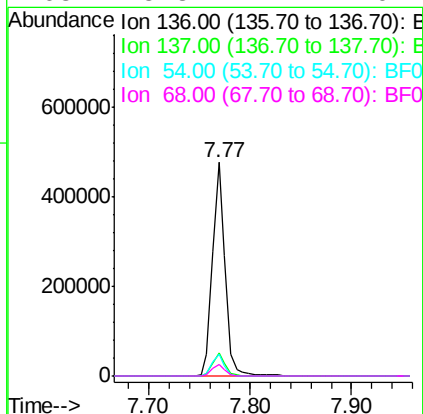
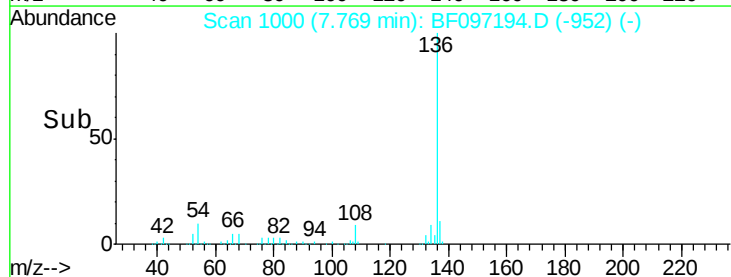
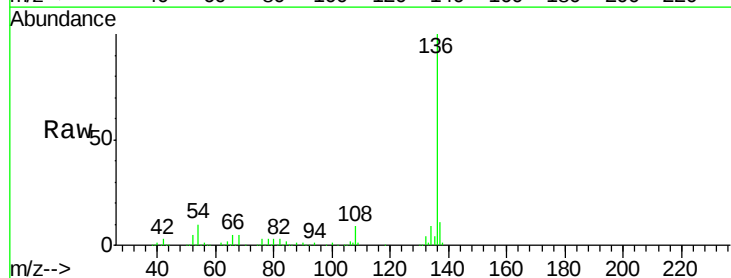
Instrument :
BNA_F
ClientSampleId :
E2-HS5-BASEMSD

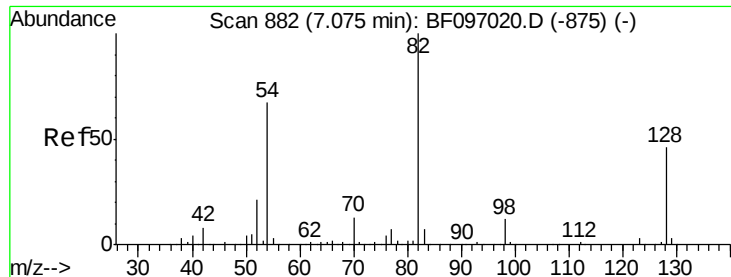
Tot Ion: 70 Resp: 47227
Ion Ratio Lower Upper
70 100
42 63.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

Tgt Ion:136 Resp: 413523
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.9 4.9 7.3#
68 5.3 4.1 6.1

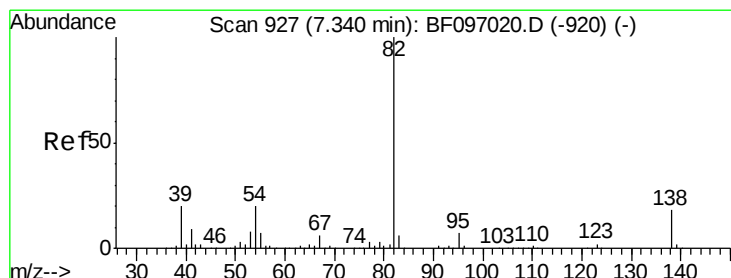
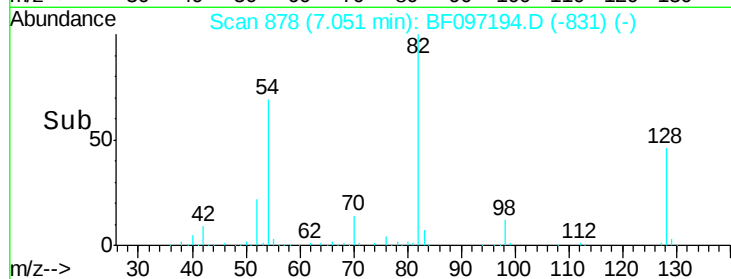
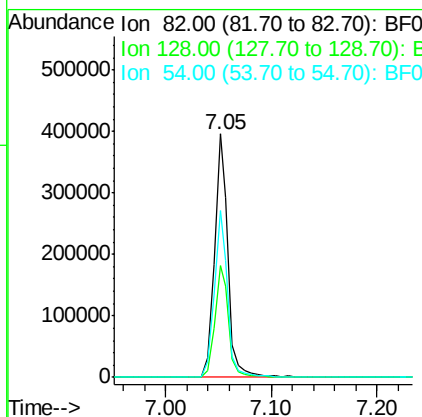
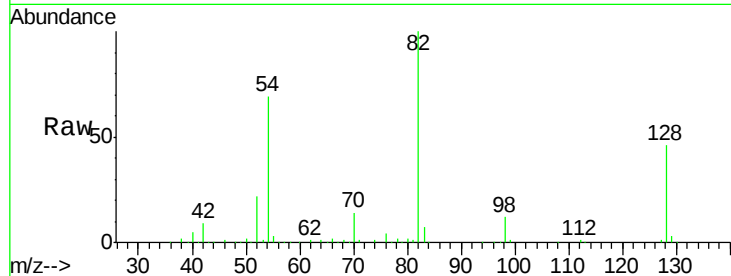




#23
 Nitrobenzene-d5
 Concen: 51.26 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

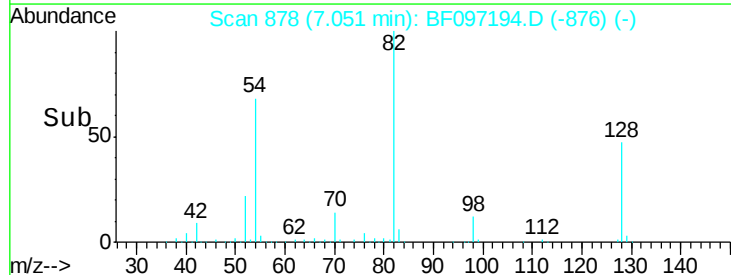
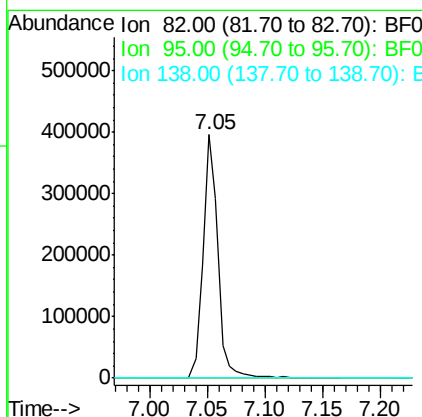
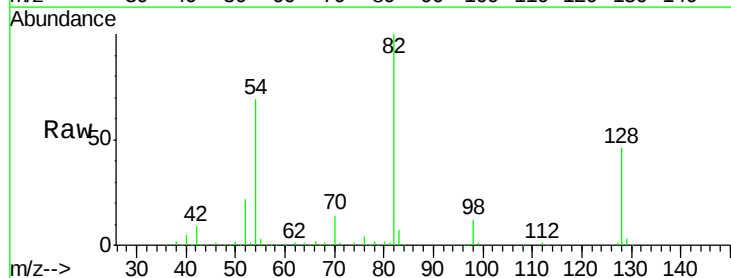
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-BASEMSD

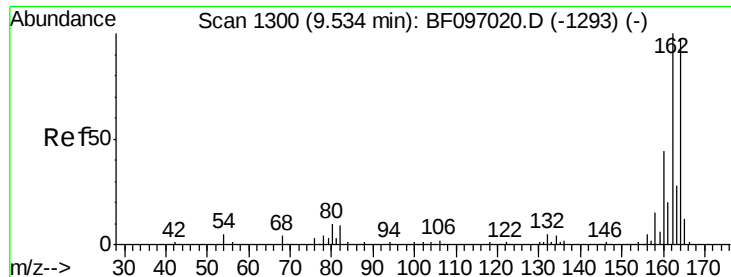
Tot Ion: 82 Resp: 361341
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.0 51.0
 54 68.6 42.2 63.2#



#25
 Isophorone
 Concen: 25.79 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

Tgt Ion: 82 Resp: 356063
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

Instrument :

BNA_F

ClientSampleId :

E2-HS5-BASEMSD

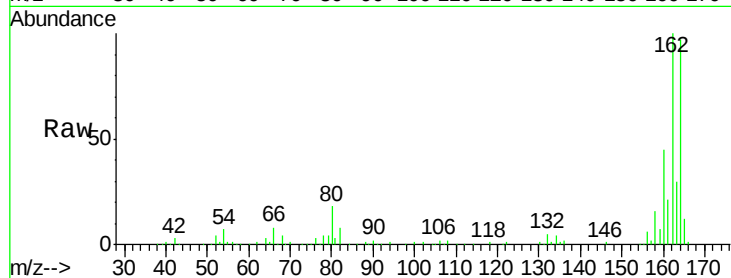
Tot Ion:164 Resp: 148537

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

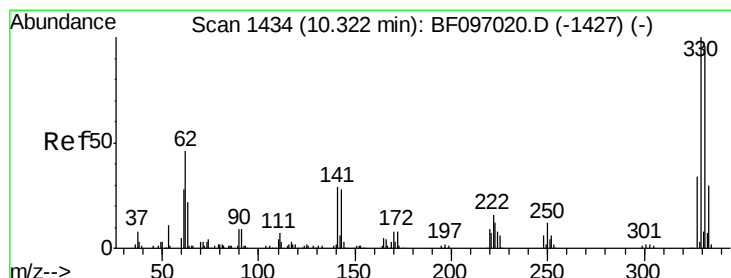
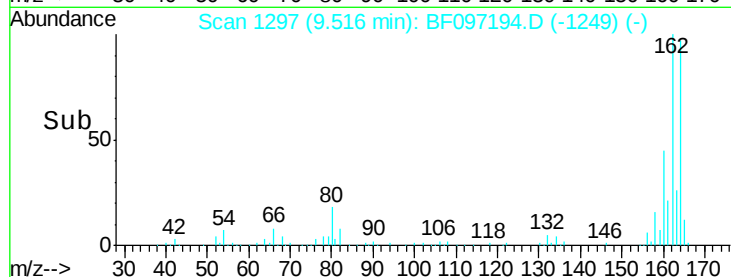
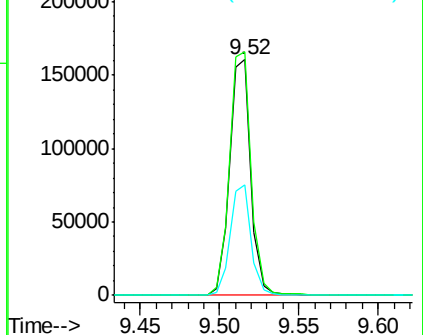
160 46.9 36.2 54.2



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: 75.42 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

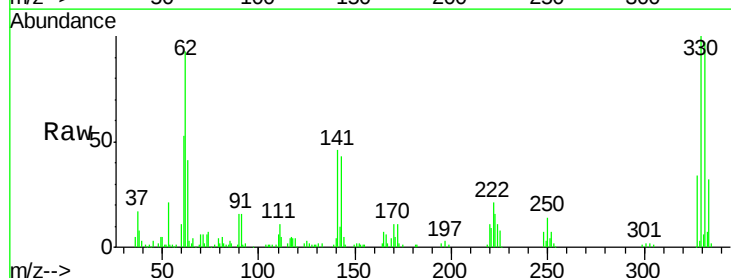
Tgt Ion:330 Resp: 88514

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

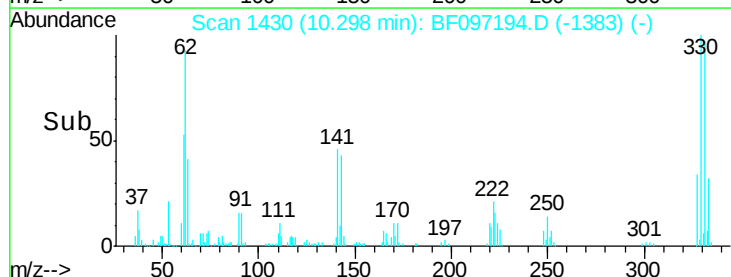
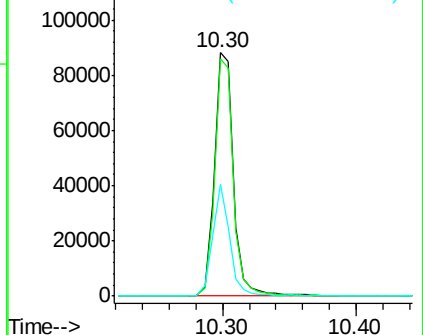
141 41.3 31.4 47.2



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

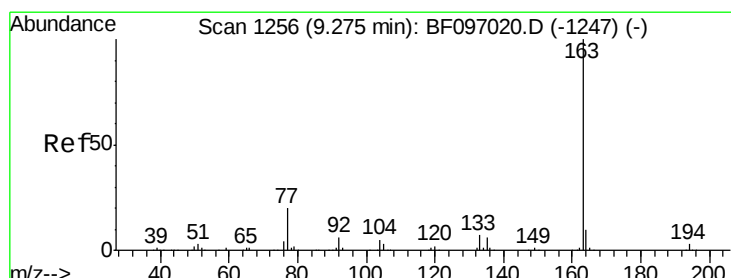
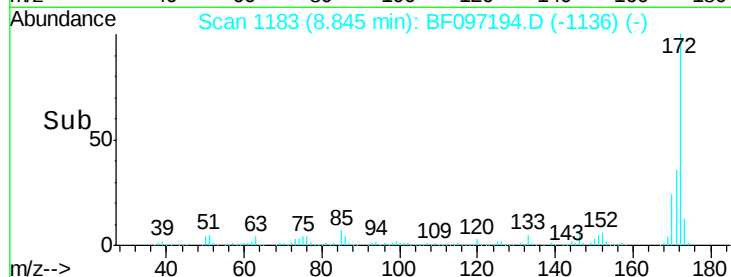
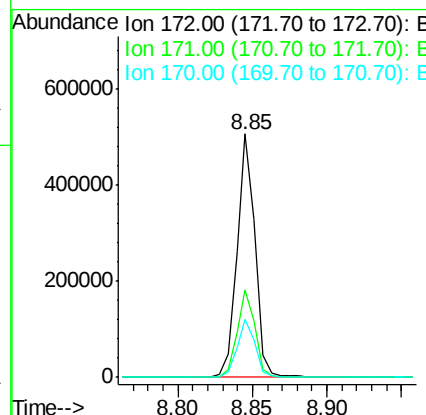
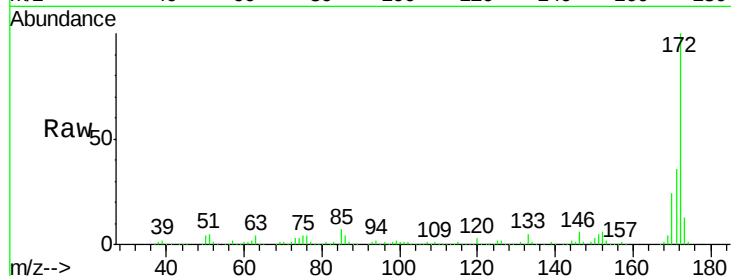




#44
 2-Fluorobiphenyl
 Concen: 49.46 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

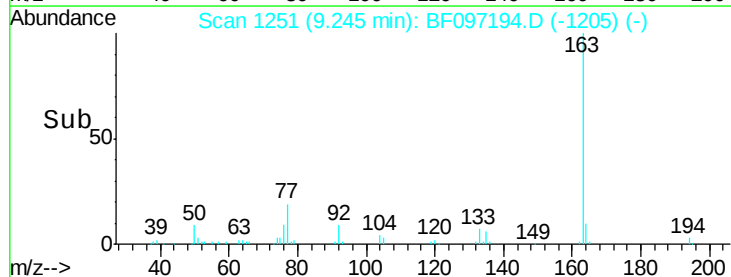
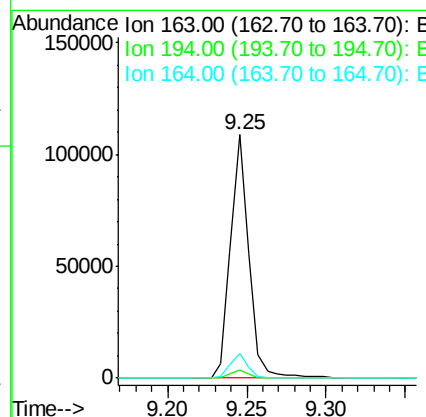
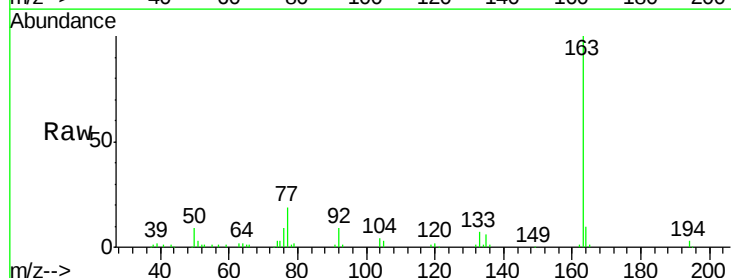
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 7.77 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6

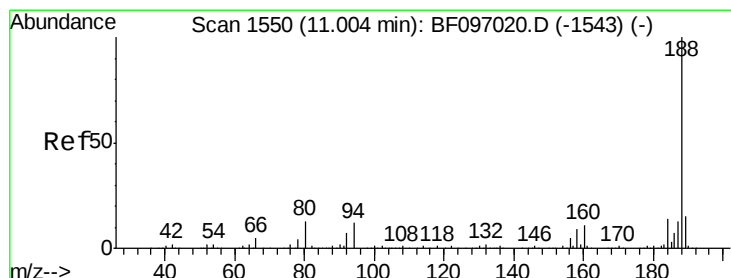
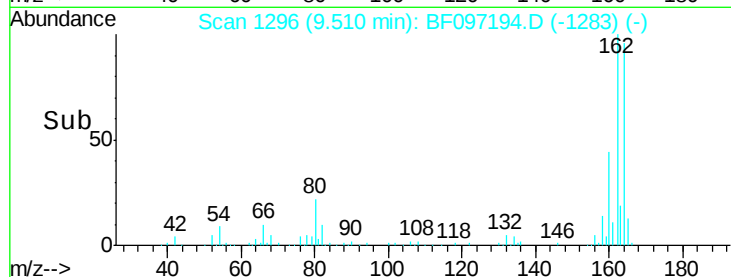
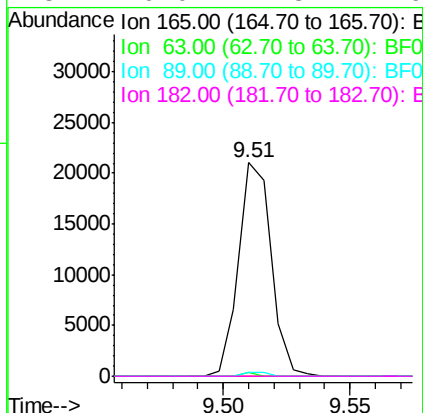
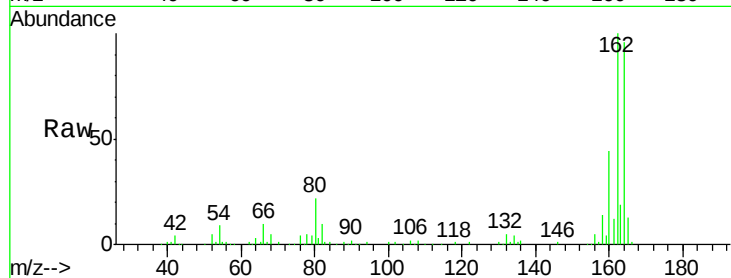




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

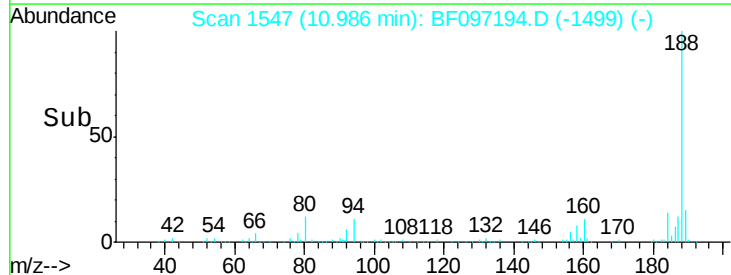
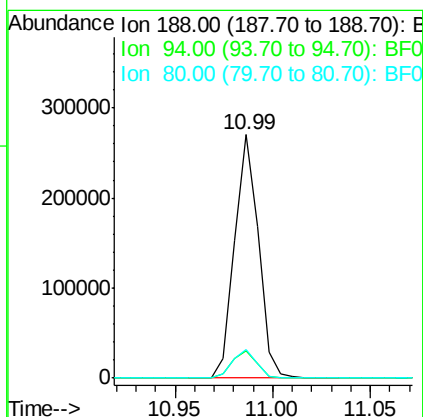
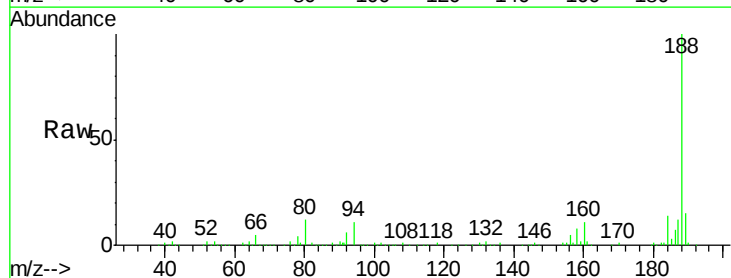
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-BASEMSD

Tot Ion:165 Resp: 18972
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

Tgt Ion:188 Resp: 230321
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.4 14.2
 80 11.6 10.2 15.2

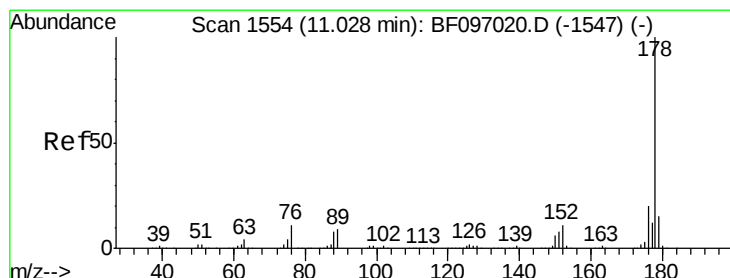
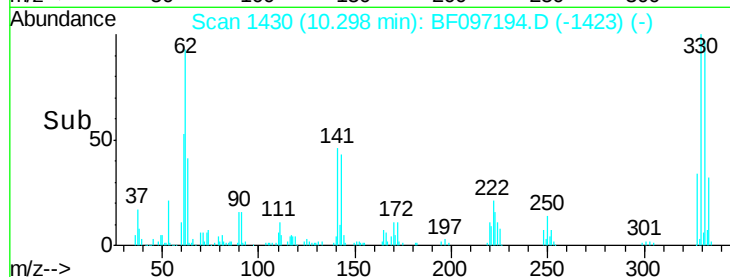
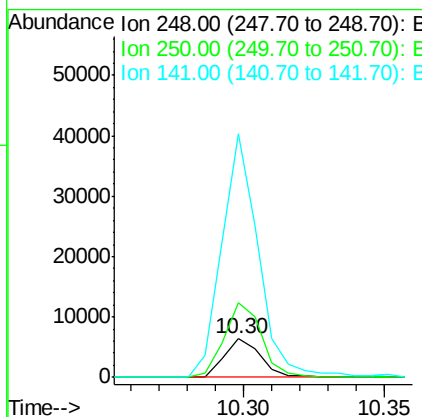
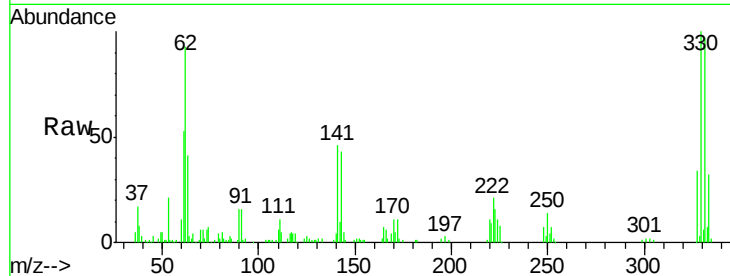




#66
4-Bromophenyl-phenylether
Concen: 2.48 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

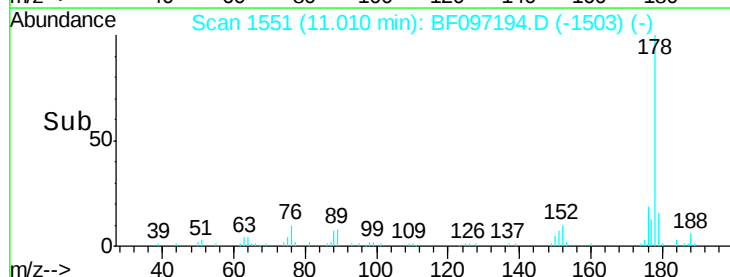
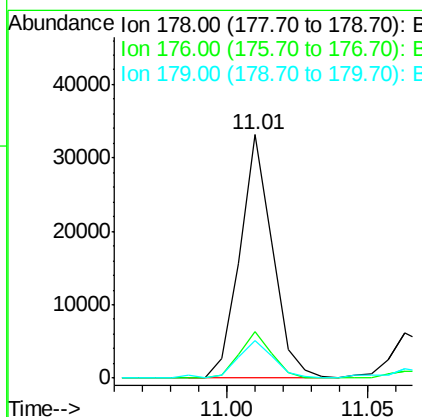
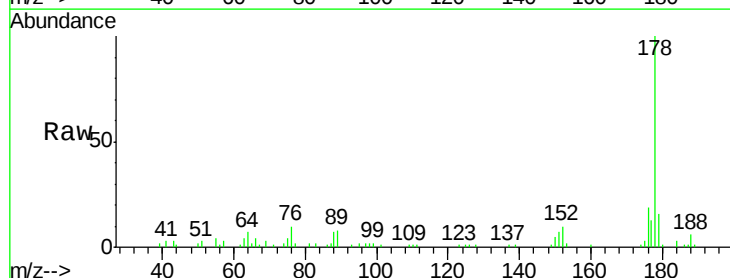
Instrument :
BNA_F
ClientSampleId :
E2-HS5-BASEMSD

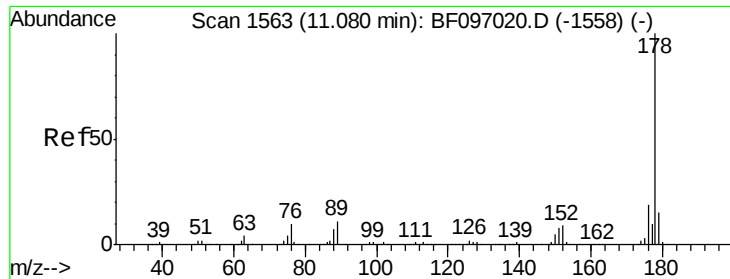
Tot Ion:248 Resp: 5693
Ion Ratio Lower Upper
248 100
250 191.1 76.8 115.2#
141 627.9 68.6 103.0#



#70
Phenanthrene
Concen: 2.15 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097194.D
Acq: 29 Jul 2017 10:28

Tgt Ion:178 Resp: 26533
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.7 12.6 19.0

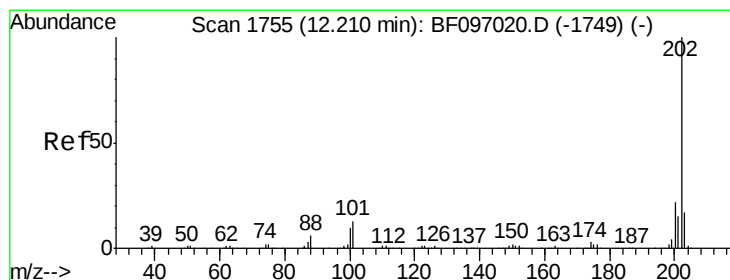
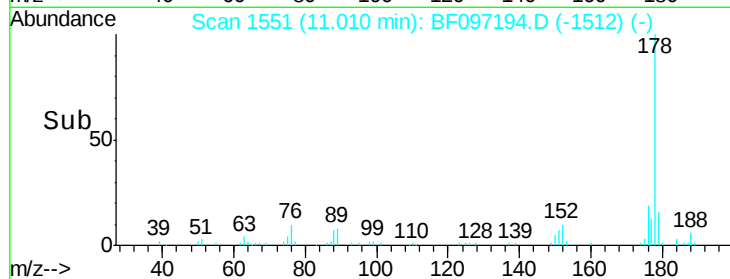
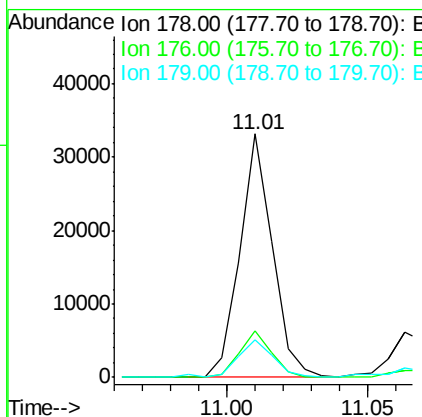
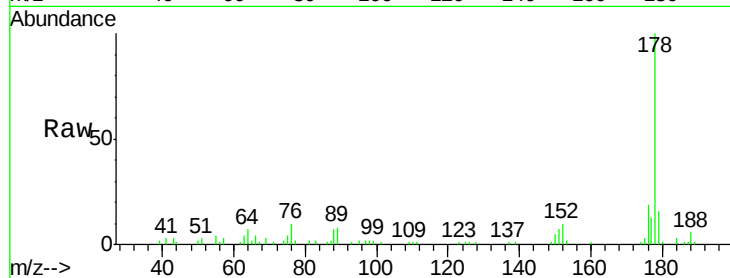




#71
 Anthracene
 Concen: 2.10 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.07 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

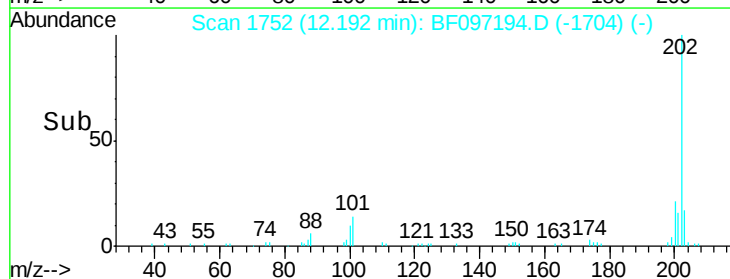
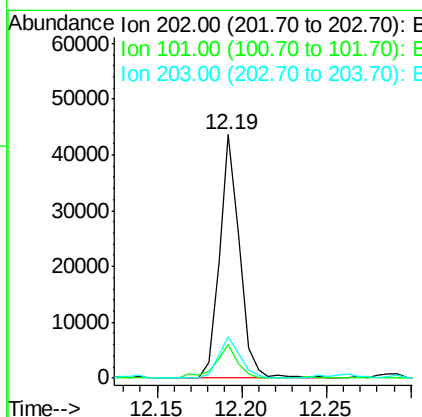
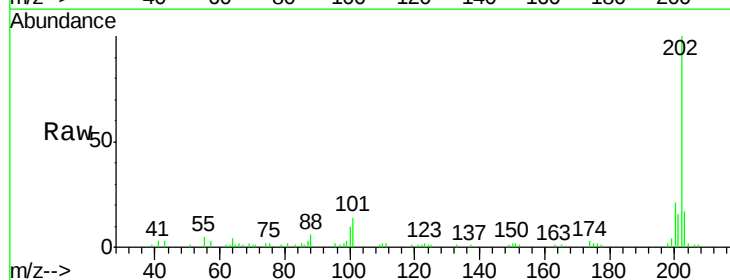
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-BASEMSD

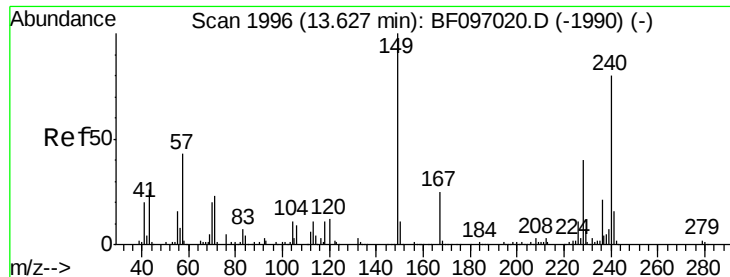
Tot Ion:178 Resp: 26533
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.7 12.7 19.1



#74
 Fluoranthene
 Concen: 2.98 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

Tgt Ion:202 Resp: 36064
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

Instrument :

BNA_F

ClientSampleId :

E2-HS5-BAEMSD

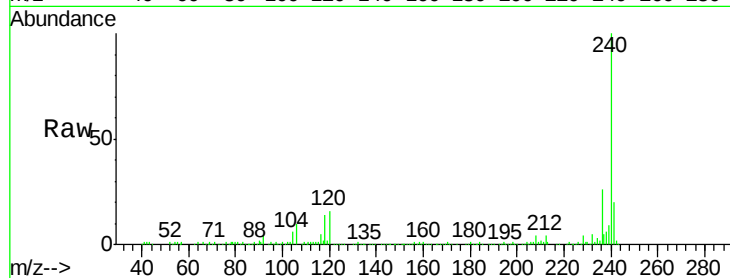
Tot Ion:240 Resp: 214502

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

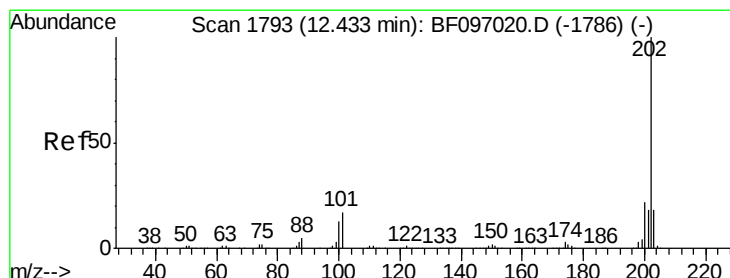
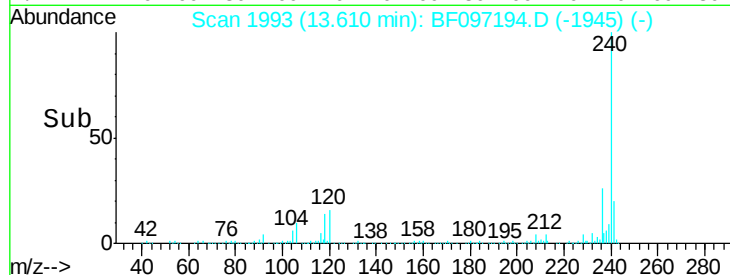
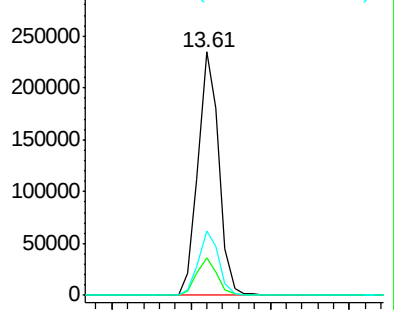
236 26.5 20.5 30.7



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

Pyrene

Concen: 2.49 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

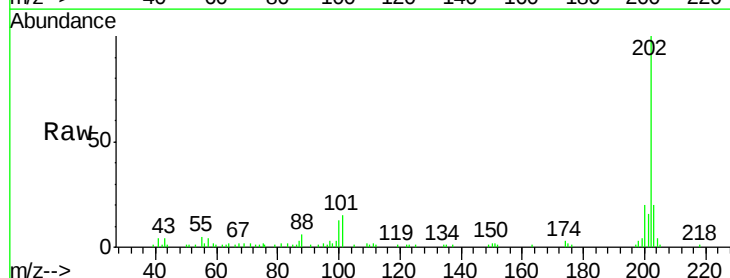
Tgt Ion:202 Resp: 43686

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

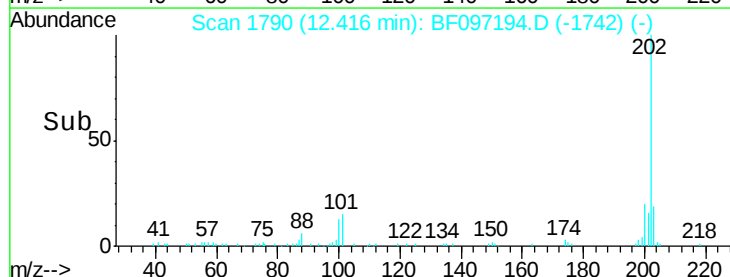
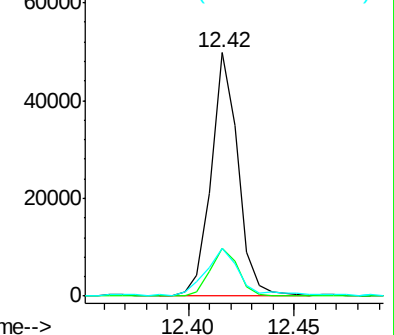
203 19.7 14.4 21.6

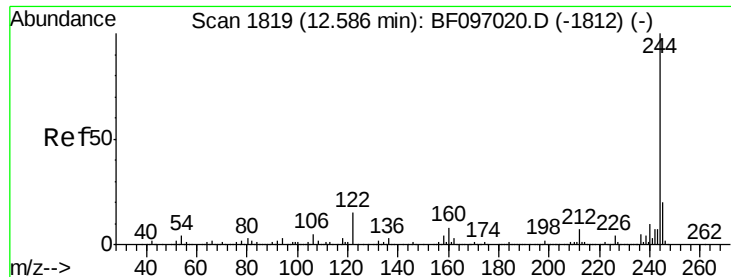


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

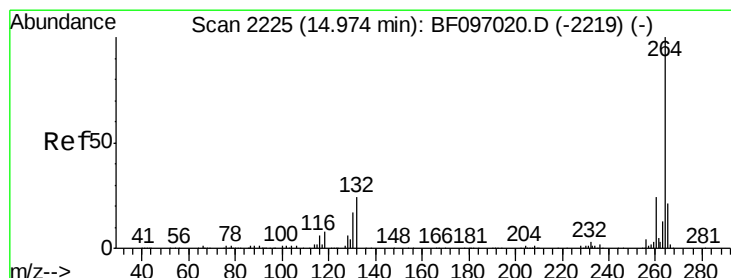
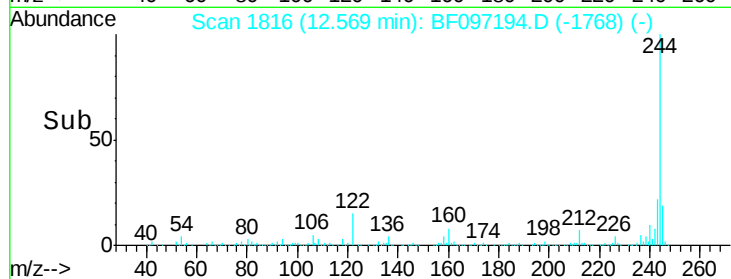
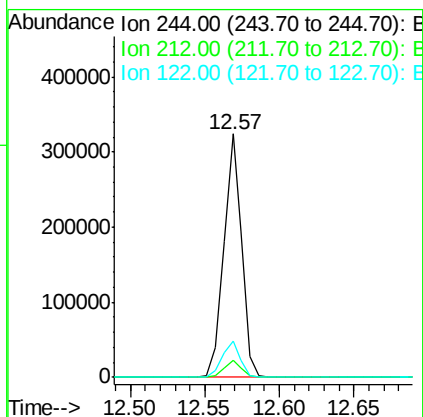
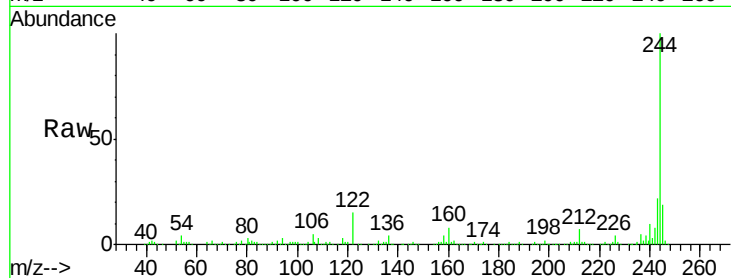




#78
 Terphenyl-d14
 Concen: 25.97 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

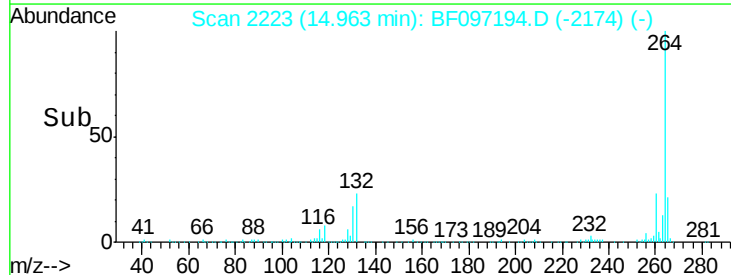
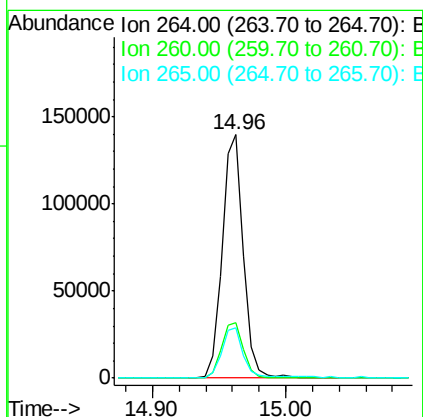
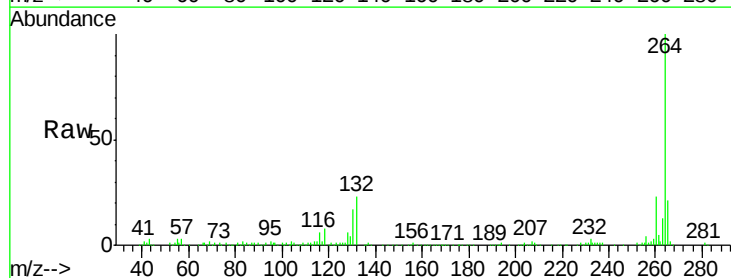
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-BASEMSD

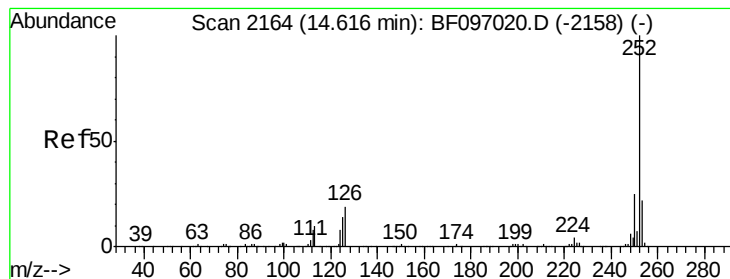
Tot Ion:244 Resp: 273262
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097194.D
 Acq: 29 Jul 2017 10:28

Tgt Ion:264 Resp: 155905
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 20.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.65 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

Instrument :

BNA_F

ClientSampleId :

E2-HS5-BASEMSD

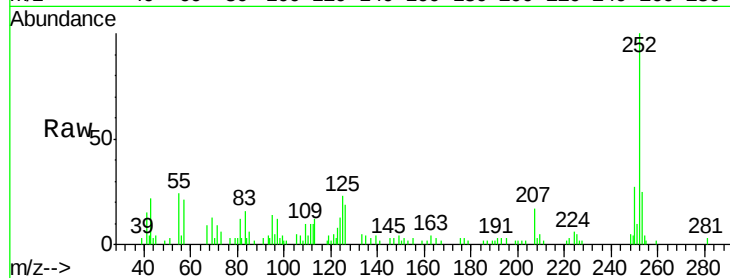
Tot Ion:252 Resp: 24830

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

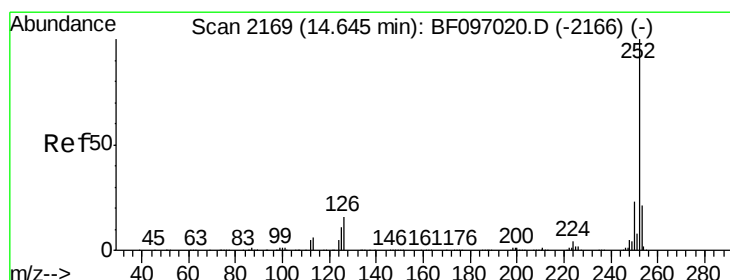
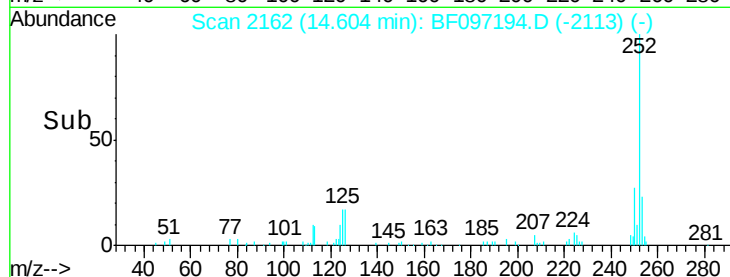
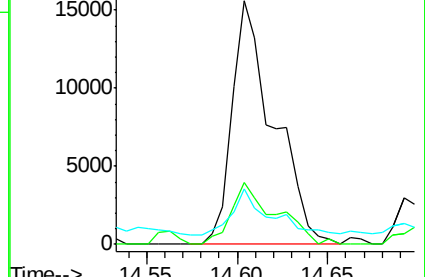
125 22.7 9.8 14.8#



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: 2.78 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097194.D

Acq: 29 Jul 2017 10:28

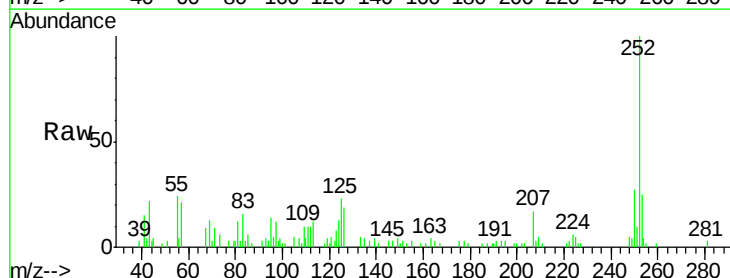
Tgt Ion:252 Resp: 24830

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

125 22.7 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

