

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097367.D
 Acq On : 4 Aug 2017 20:35
 Operator : SJ/JU
 Sample : I4591-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Quant Time: Aug 04 23:01:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

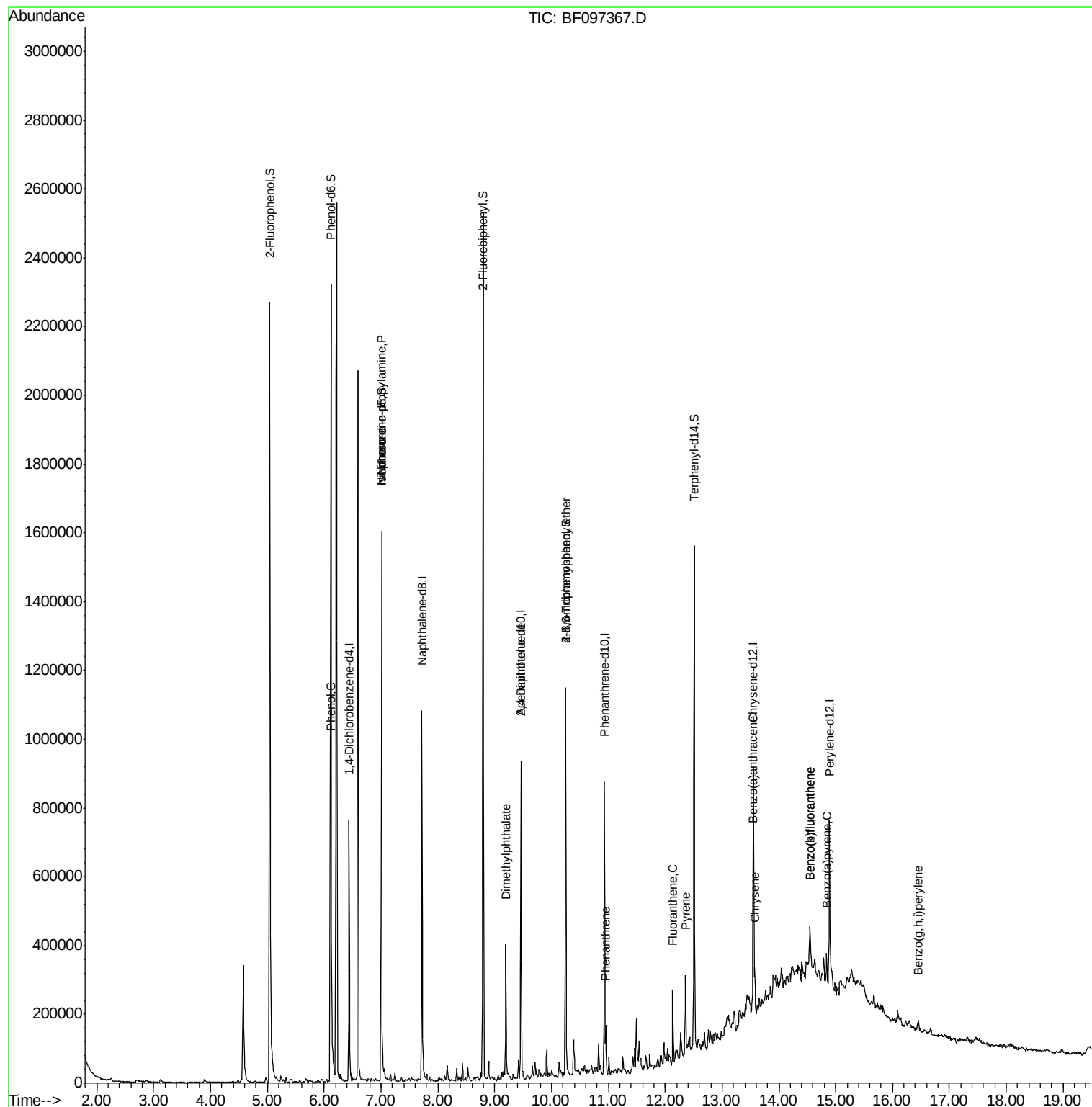
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	116218	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	469285	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	186073	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	288445	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	216298	20.00	ng	-0.08
86) Perylene-d12	14.89	264	181122	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	781759	101.40	ng	-0.06
7) Phenol-d6	6.12	99	893208	101.49	ng	-0.05
23) Nitrobenzene-d5	7.01	82	509040	63.63	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	127206	86.53	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	773429	70.54	ng	-0.07
78) Terphenyl-d14	12.51	244	465649	43.89	ng	-0.08
Target Compounds						Qvalue
10) Phenol	6.13	94	39418	3.78	ng	93
19) n-Nitroso-di-n-propylamine	7.01	70	69550	12.01	ng	# 87
25) Isophorone	7.01	82	500816	31.97	ng	# 67
49) Dimethylphthalate	9.20	163	163472	11.57	ng	98
56) 2,4-Dinitrotoluene	9.46	165	24060	6.98	ng	# 34
66) 4-Bromophenyl-phenylether	10.25	248	8228	2.86	ng	# 1
70) Phenanthrene	10.96	178	52325	3.39	ng	99
74) Fluoranthene	12.13	202	86447	5.71	ng	98
77) Pyrene	12.36	202	86043	4.86	ng	97
80) Benzo(a)anthracene	13.54	228	41259	2.95	ng	97
82) Chrysene	13.58	228	44847	3.28	ng	96
87) Benzo(b)fluoranthene	14.54	252	69570	6.39	ng	# 90
88) Benzo(k)fluoranthene	14.54	252	69570	6.71	ng	# 93
89) Benzo(a)pyrene	14.84	252	33456	3.36	ng	# 84
91) Benzo(a,h,i)perylene	16.46	276	17508	2.04	ng	94

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

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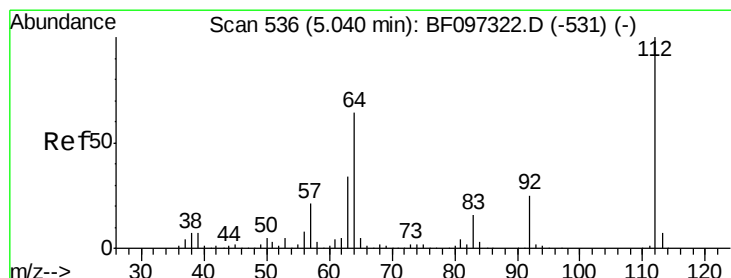
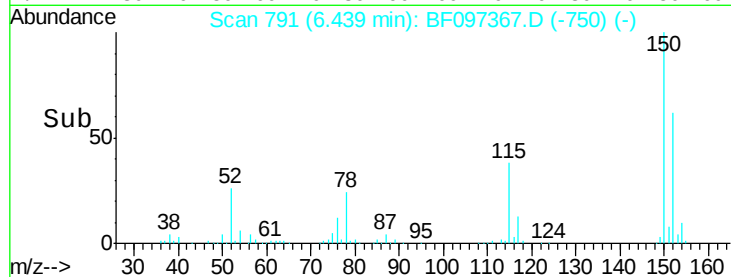
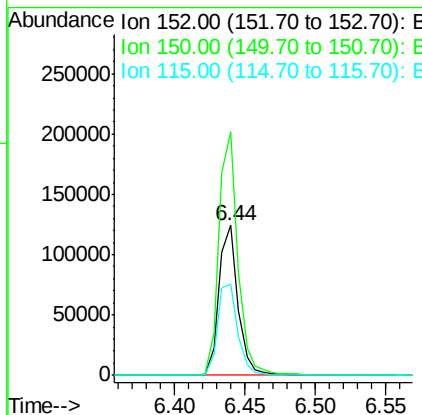
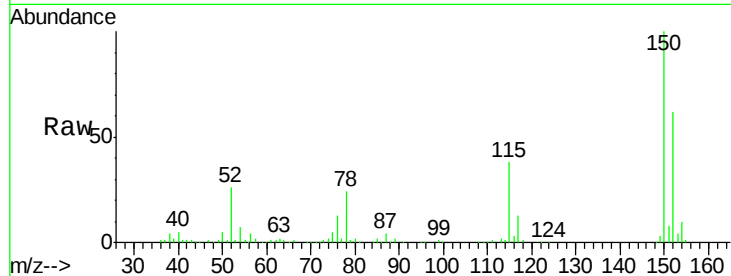


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

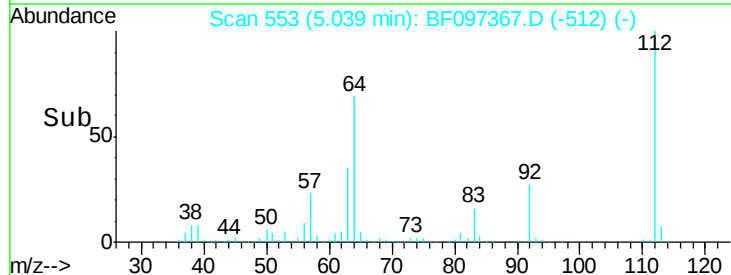
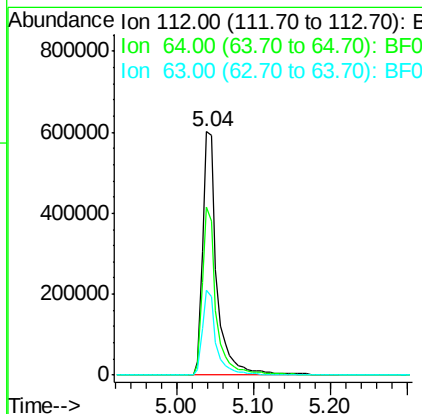
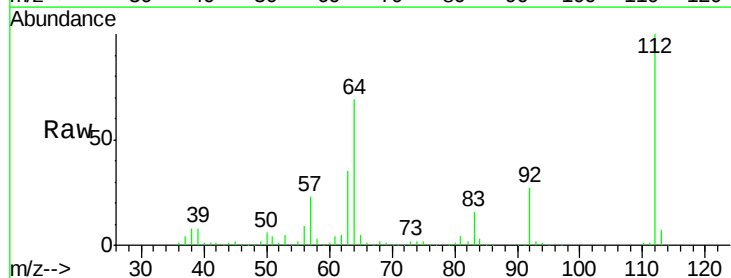
Tot Ion:152 Resp: 116218
Ion Ratio Lower Upper
152 100
150 162.5 126.2 189.2
115 61.0 52.2 78.2

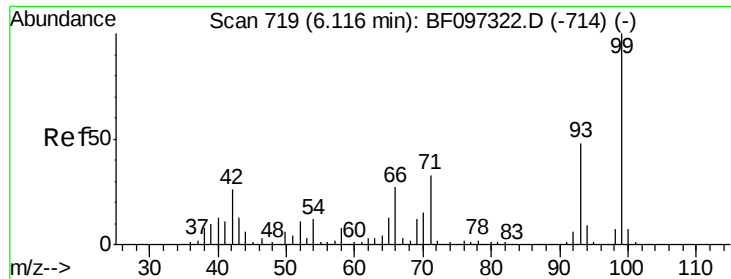


#5

2-Fluorophenol
Concen: 101.40 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion:112 Resp: 781759
Ion Ratio Lower Upper
112 100
64 68.8 46.0 69.0
63 34.9 23.4 35.0





#7

Phenol-d6

Concen: 101.49 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

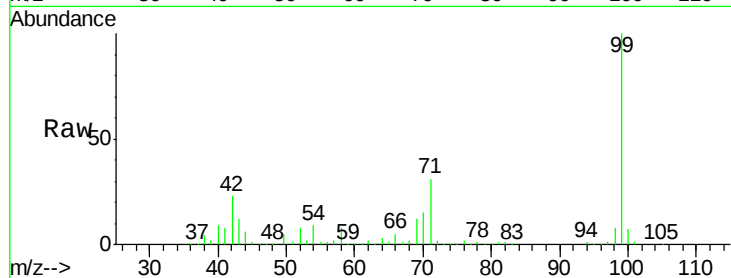
Tot Ion: 99 Resp: 893208

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

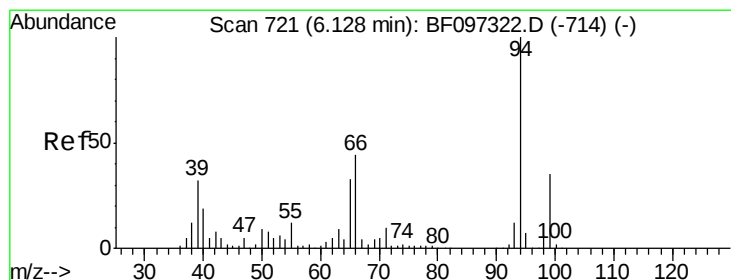
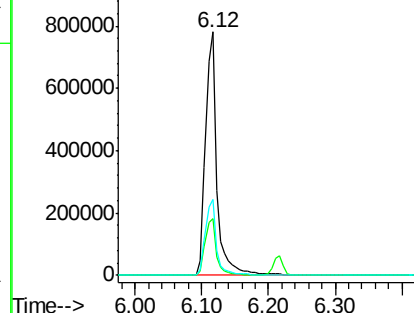
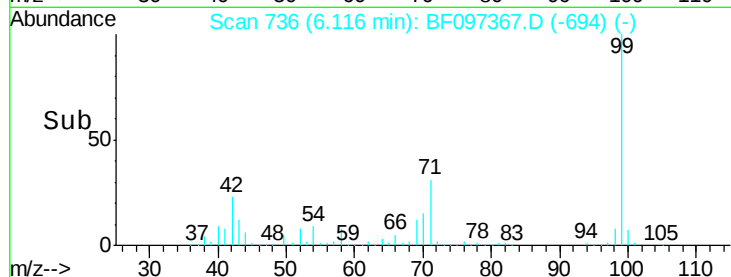
71 31.4 24.5 36.7



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



#10

Phenol

Concen: 3.78 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

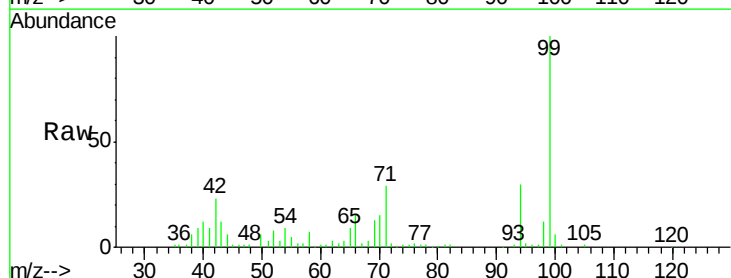
Tgt Ion: 94 Resp: 39418

Ion Ratio Lower Upper

94 100

65 29.5 9.9 49.9

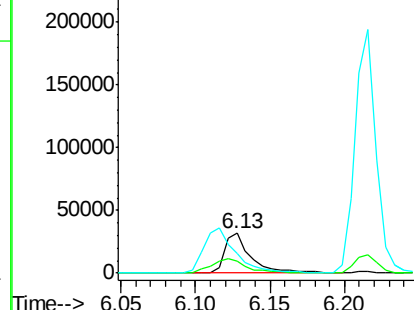
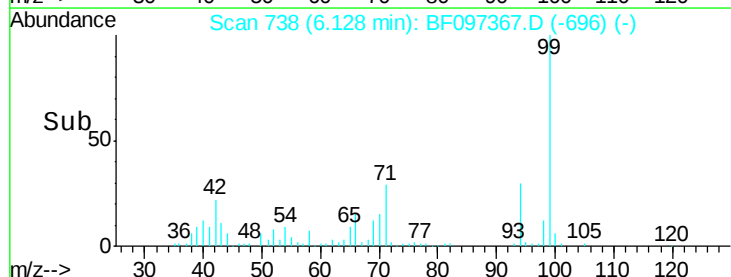
66 50.4 23.1 63.1

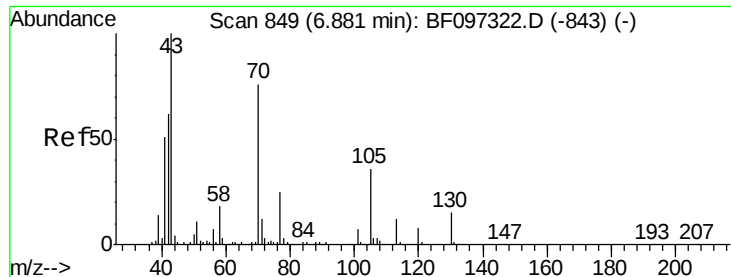


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

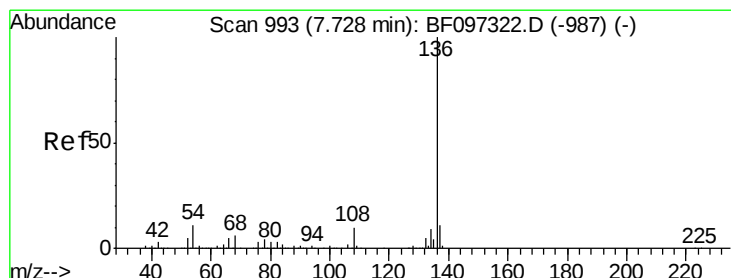
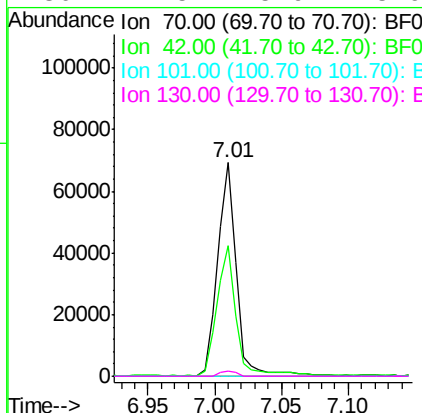
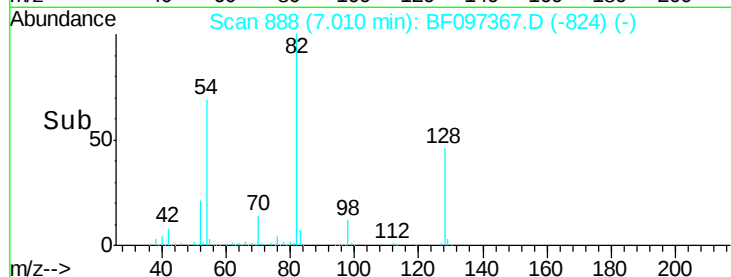
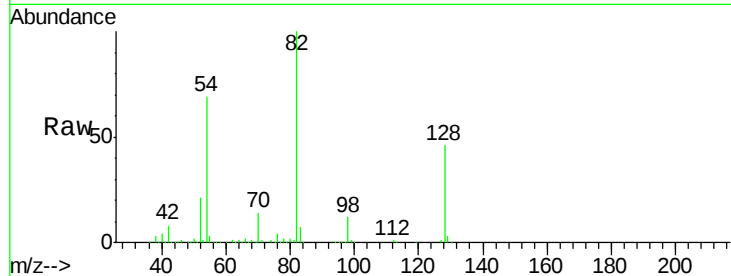




#19
n-Nitroso-di-n-propylamine
Concen: 12.01 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

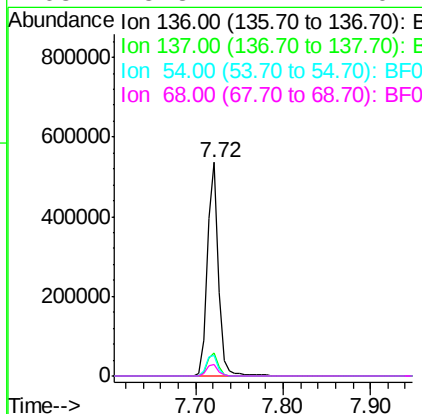
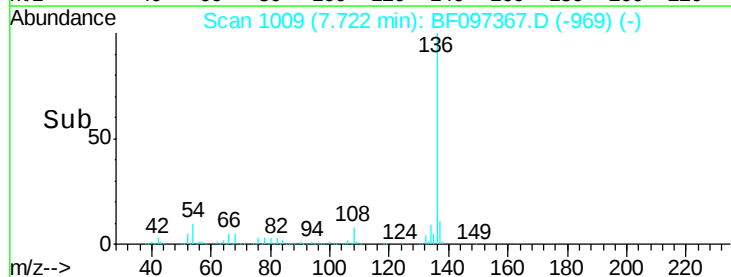
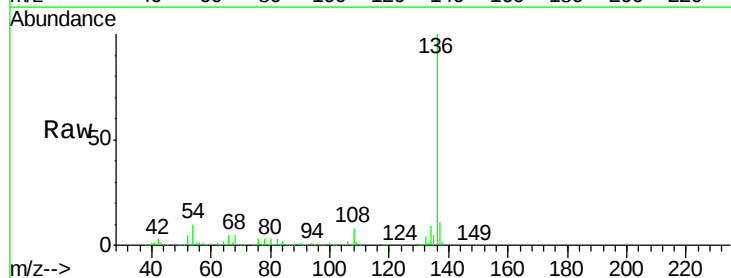
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

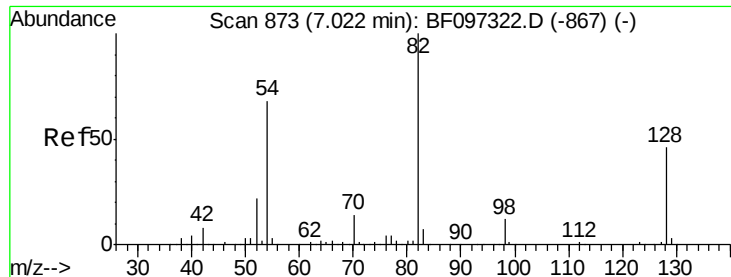
Tot Ion: 70 Resp: 69550
Ion Ratio Lower Upper
70 100
42 61.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion: 136 Resp: 469285
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.6 4.9 7.3#
68 5.3 4.1 6.1

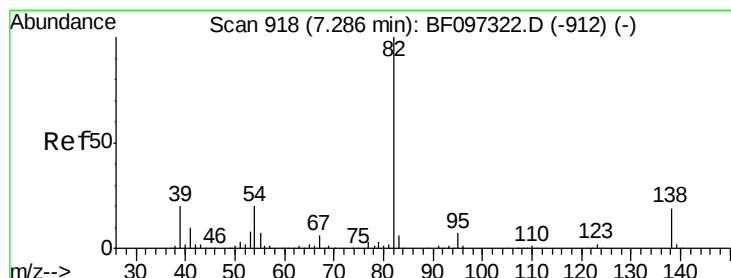
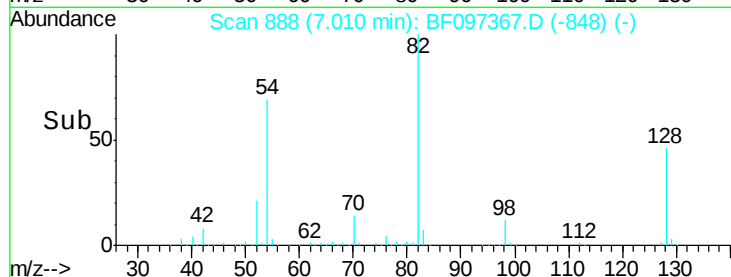
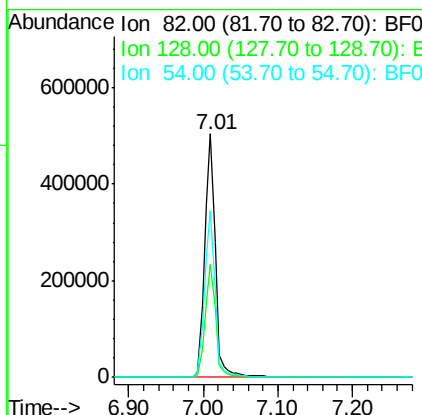
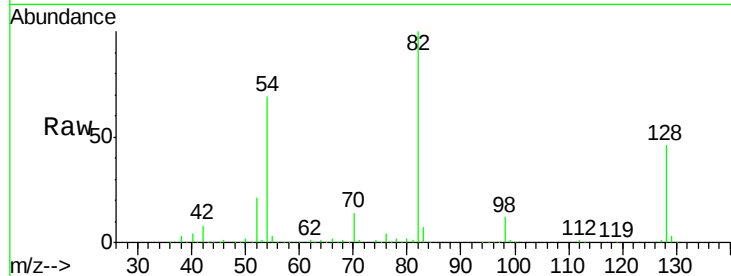




#23
Nitrobenzene-d5
Concen: 63.63 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

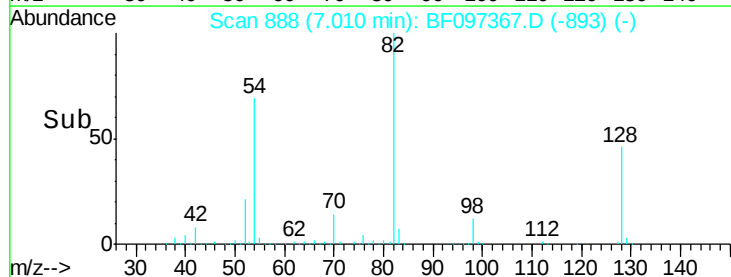
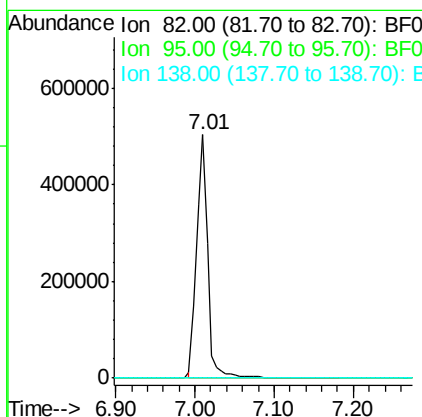
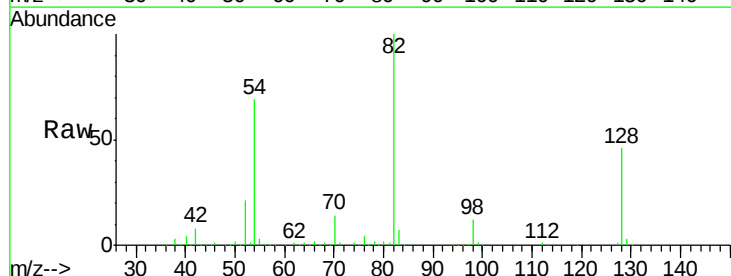
Instrument :
BNA_F
ClientSampleId :
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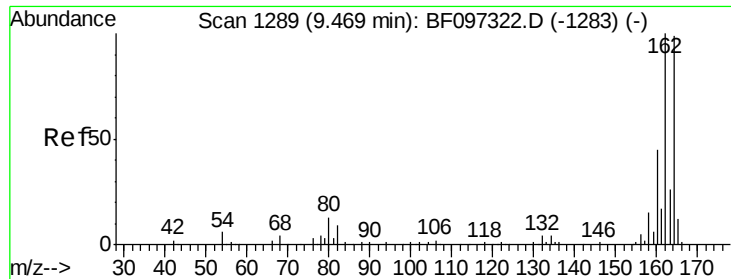
Tot Ion: 82 Resp: 509040
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 68.7 42.2 63.2#



#25
Isophorone
Concen: 31.97 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.33 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion: 82 Resp: 500816
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#

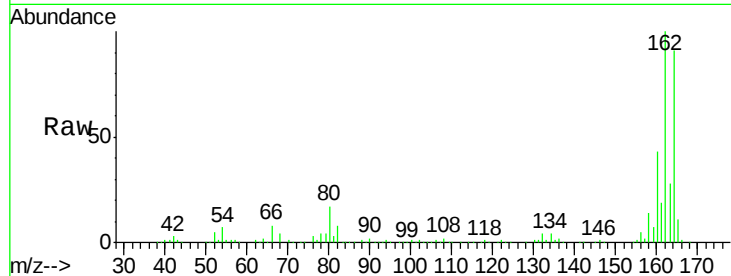




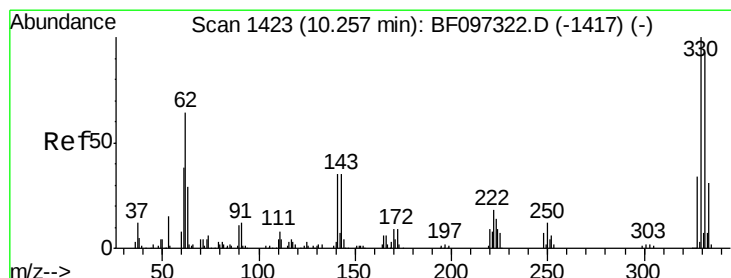
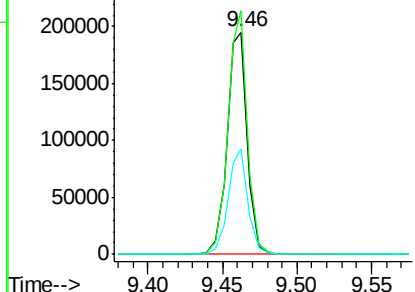
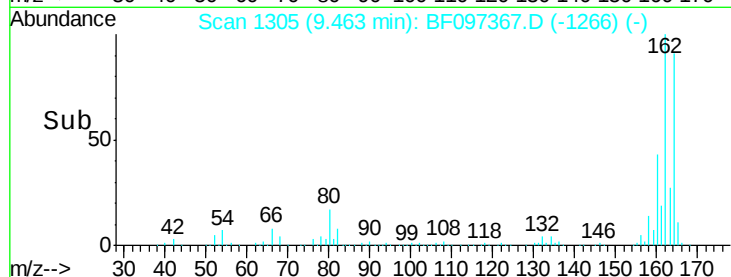
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Tot Ion:164 Resp: 186073
 Ion Ratio Lower Upper
 164 100
 162 109.5 82.6 123.8
 160 47.4 36.2 54.2

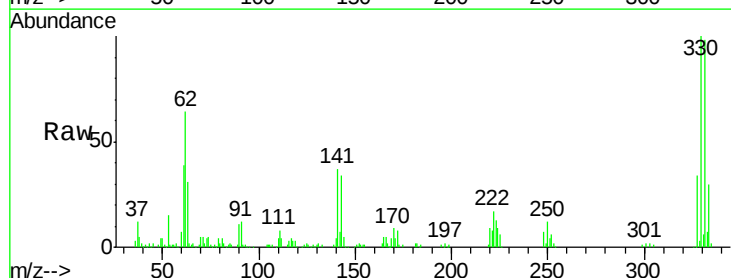


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

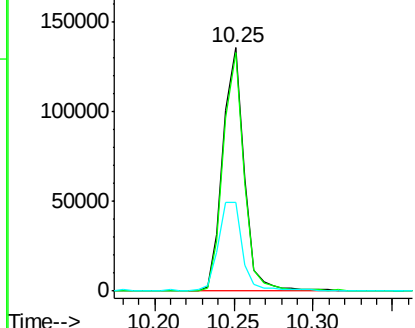
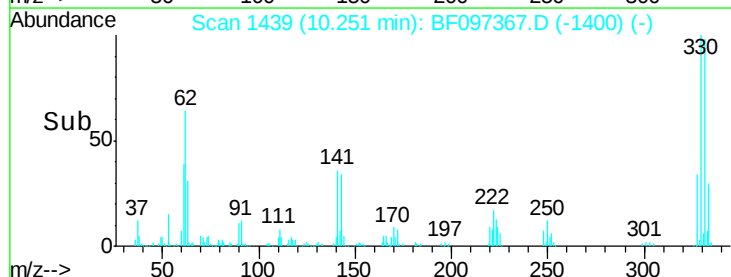


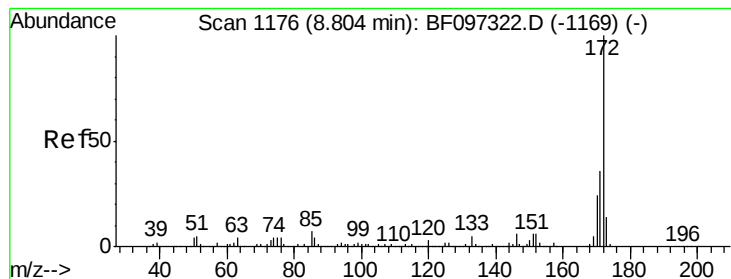
#41
 2,4,6-Tribromophenol
 Concen: 86.53 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

Tgt Ion:330 Resp: 127206
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 42.3 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

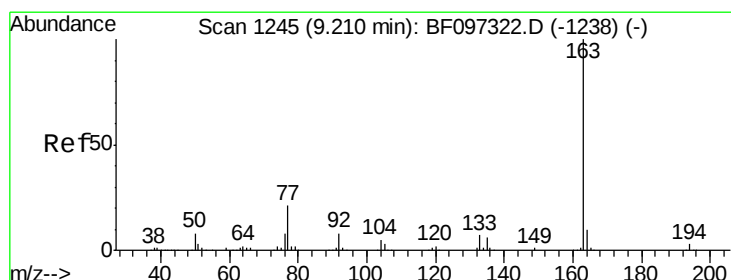
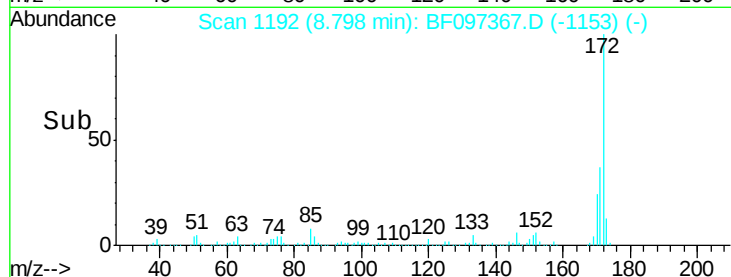
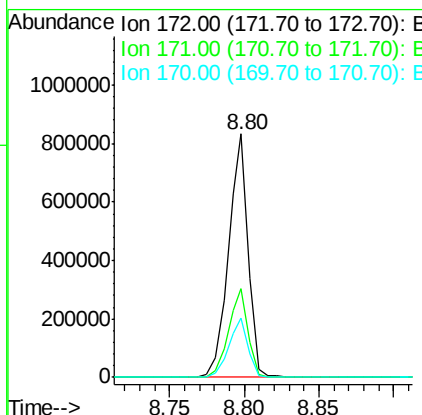
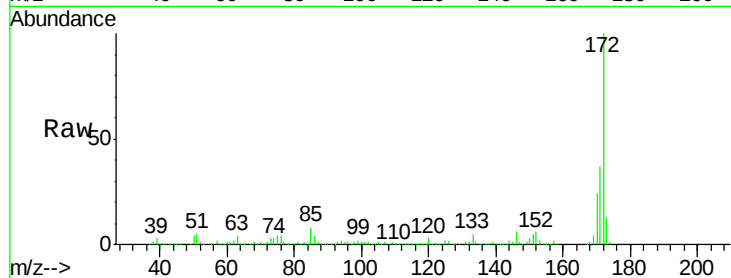




#44
2-Fluorobiphenyl
Concen: 70.54 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

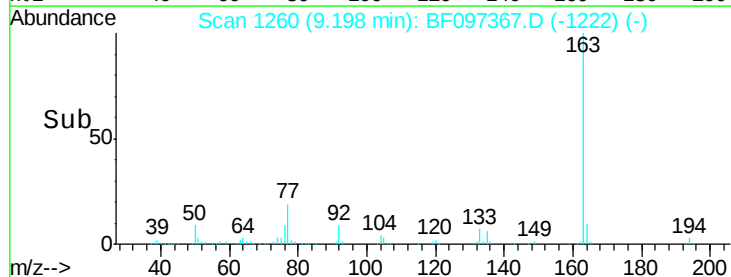
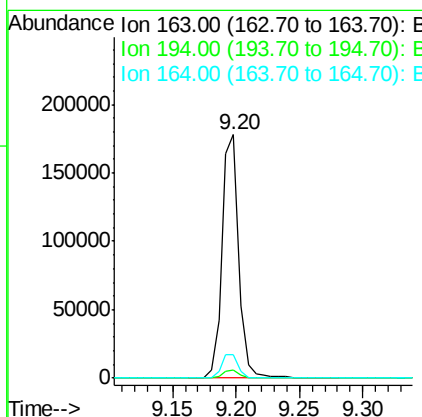
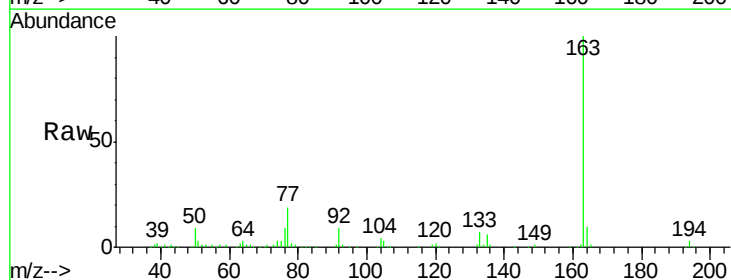
Instrument :
BNA_F
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GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.4	19.8	29.8



#49
Dimethylphthalate
Concen: 11.57 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.7	8.4	12.6





#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.28 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

Tot Ion:165 Resp: 24060

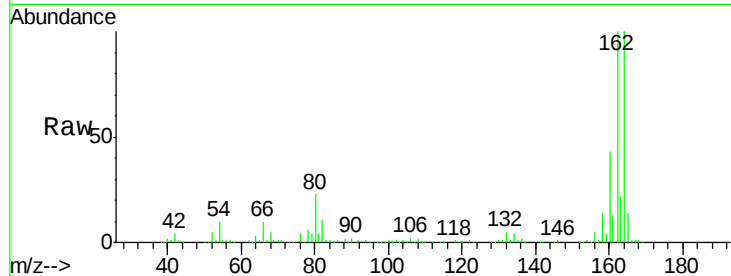
Ion Ratio Lower Upper

165 100

63 2.5 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

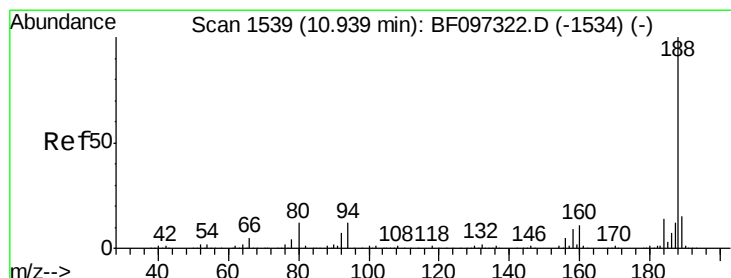
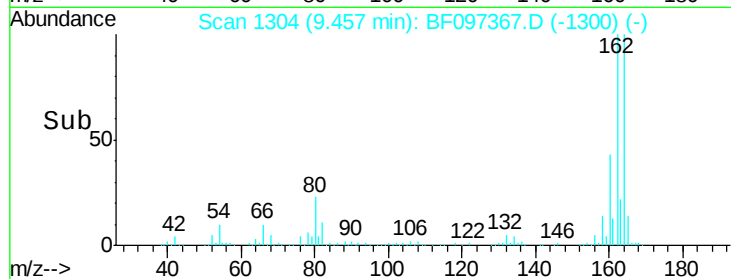
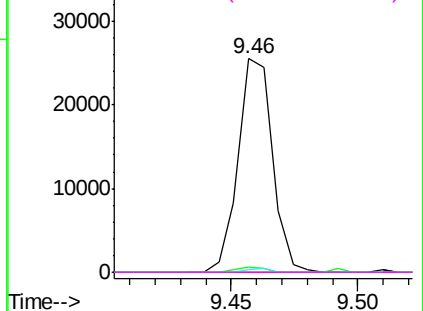


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.07 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

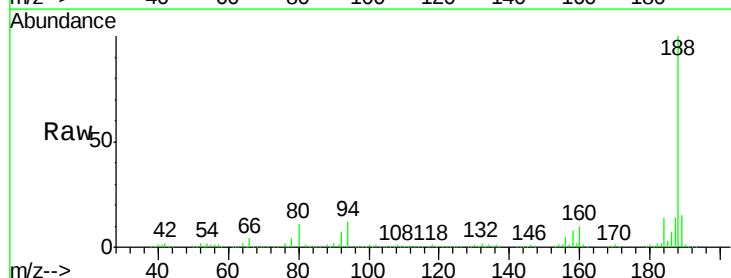
Tgt Ion:188 Resp: 288445

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

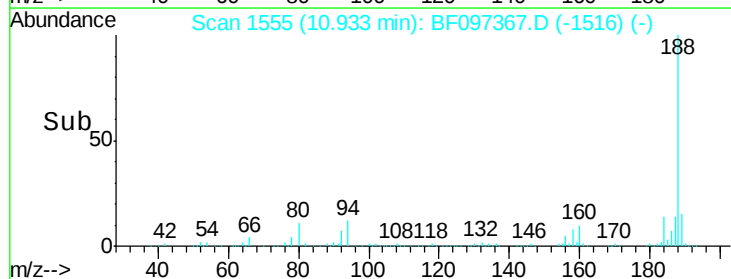
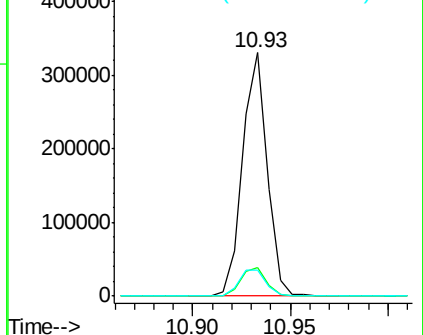
80 10.9 10.2 15.2



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

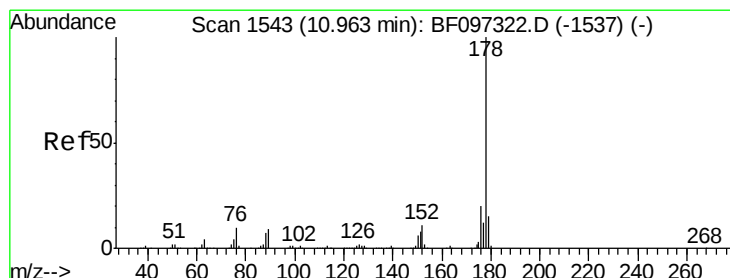
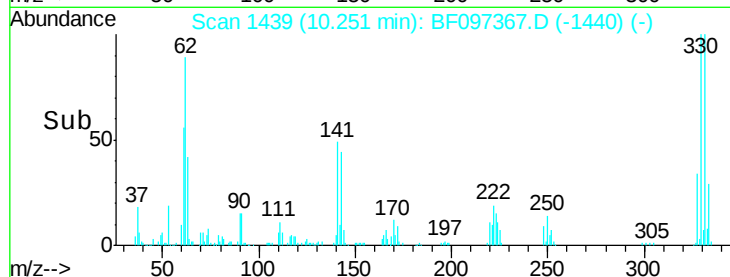
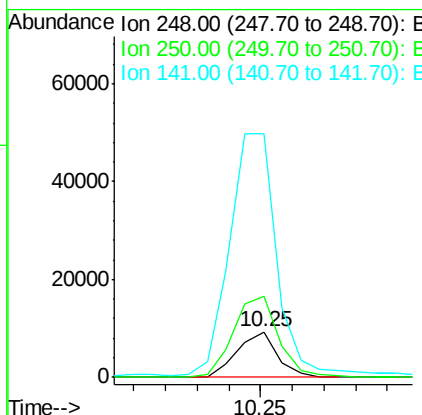
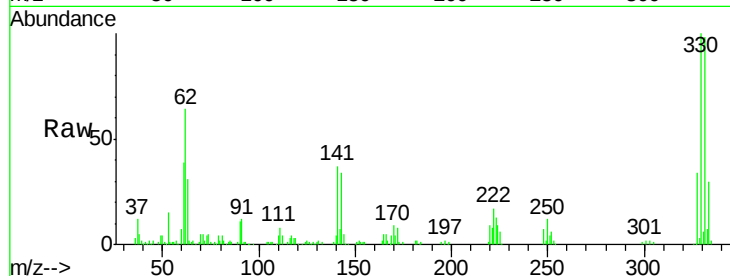




#66
 4-Bromophenyl-phenylether
 Concen: 2.86 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.31 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

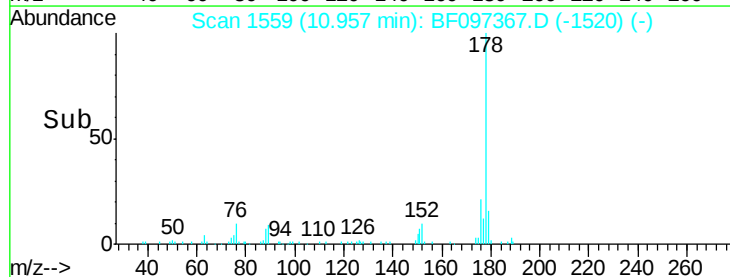
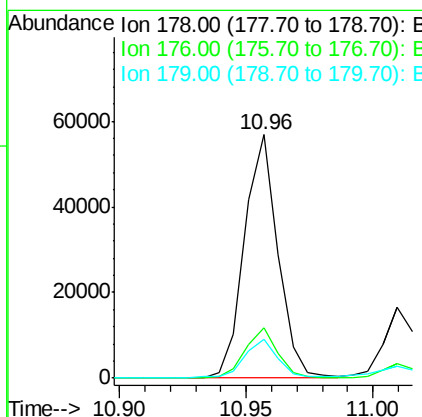
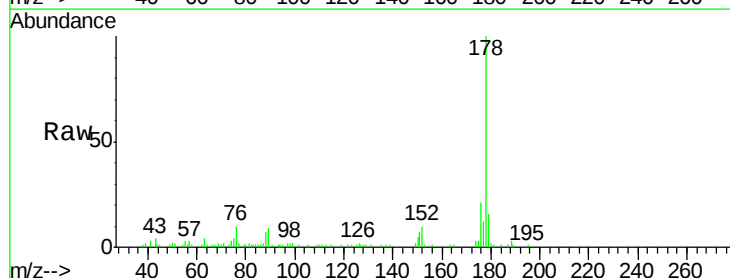
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

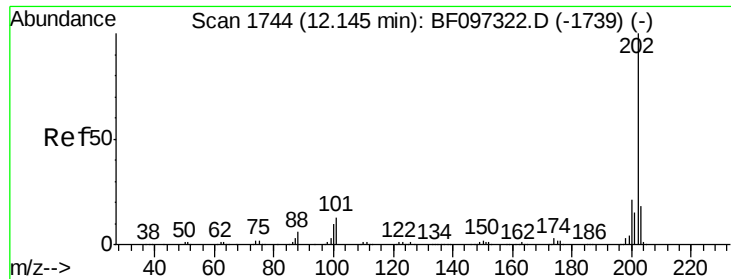
Tot Ion:248 Resp: 8228
 Ion Ratio Lower Upper
 248 100
 250 178.0 76.8 115.2#
 141 531.3 68.6 103.0#



#70
 Phenanthrene
 Concen: 3.39 ng
 RT: 10.96 min Scan# 1559
 Delta R.T. -0.07 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

Tgt Ion:178 Resp: 52325
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 16.1 12.6 19.0





#74

Fluoranthene

Concen: 5.71 ng

RT: 12.13 min Scan# 1759

Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

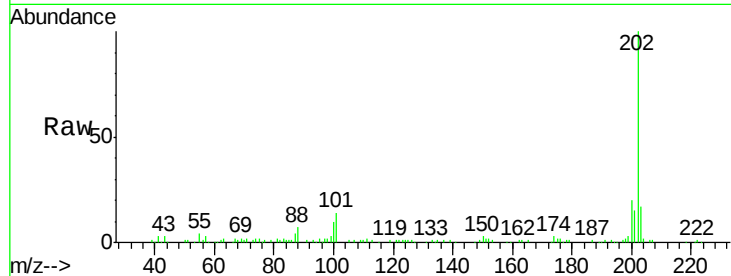
Tot Ion:202 Resp: 86447

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

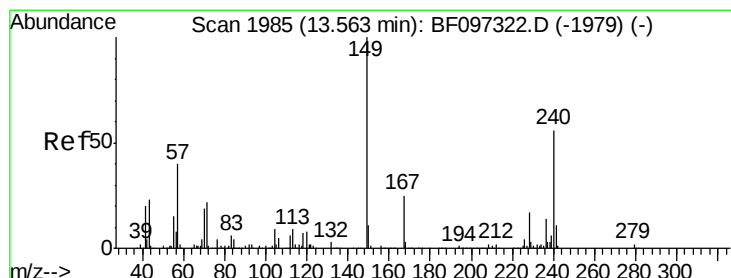
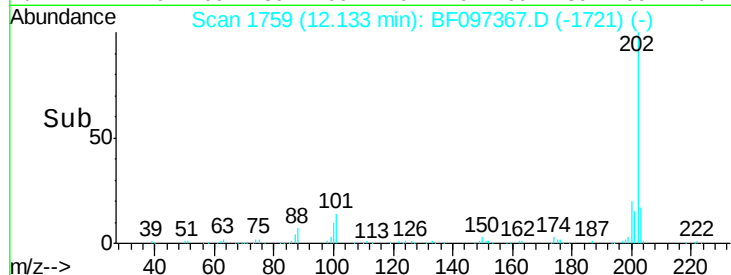
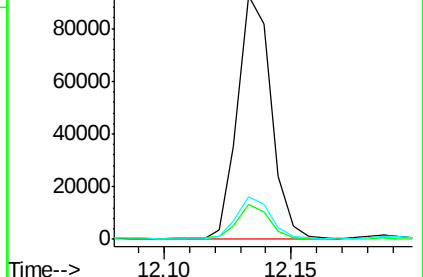
203 17.3 0.0 38.1



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: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

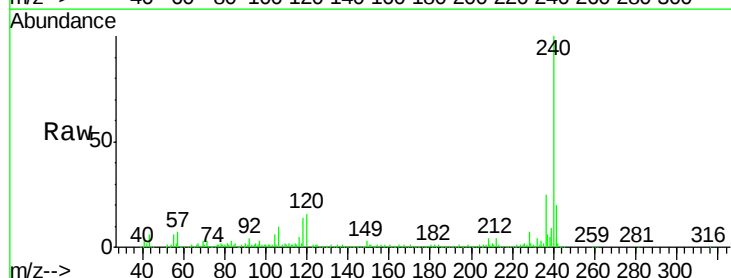
Tgt Ion:240 Resp: 216298

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

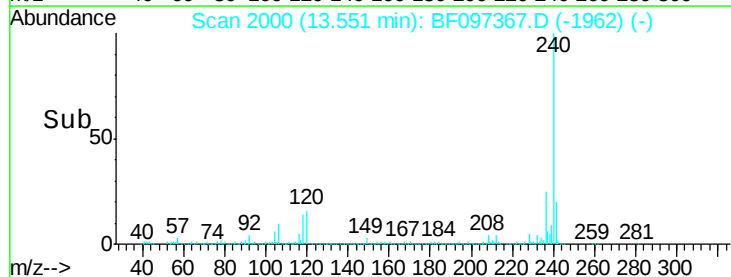
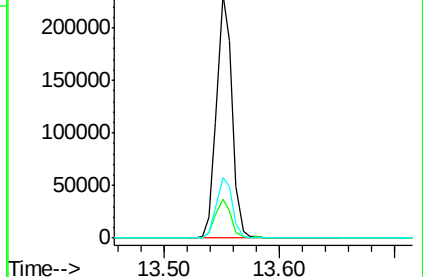
236 25.0 20.5 30.7

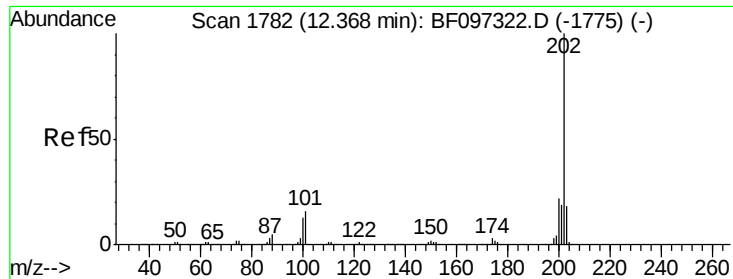


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.86 ng

RT: 12.36 min Scan# 1797

Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

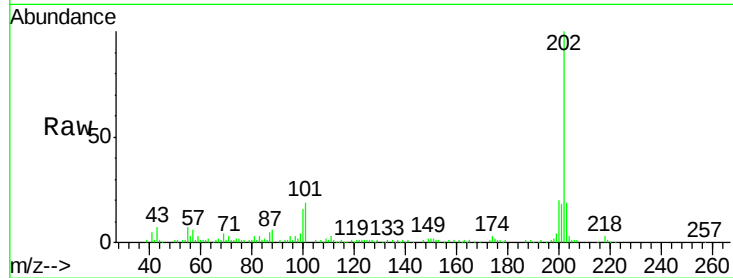
Tot Ion:202 Resp: 86043

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

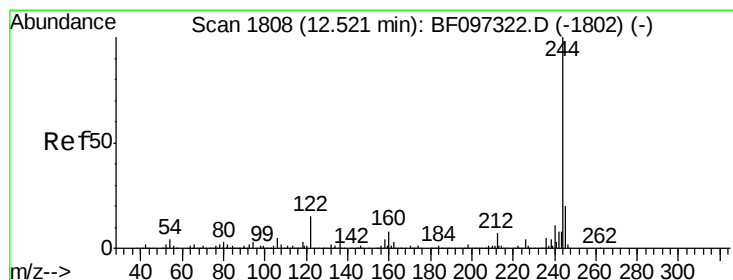
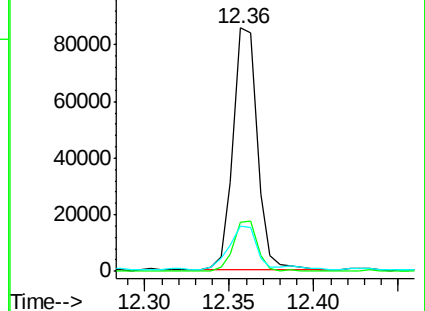
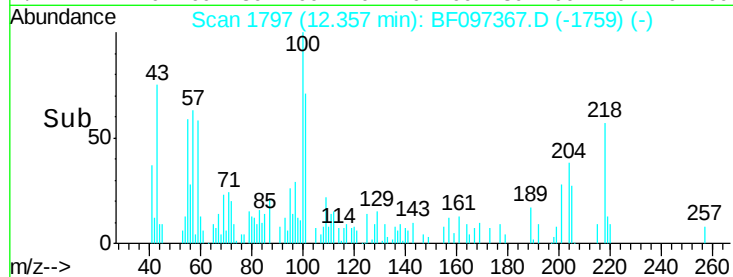
203 18.5 14.4 21.6



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: 43.89 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

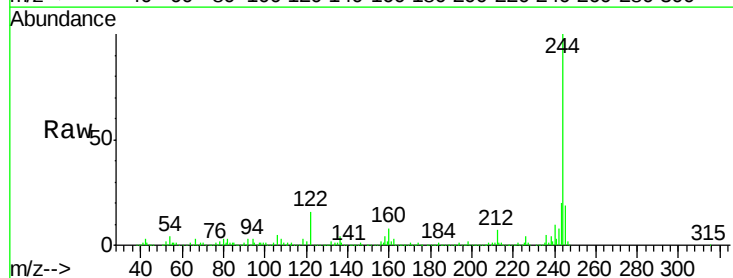
Tgt Ion:244 Resp: 465649

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

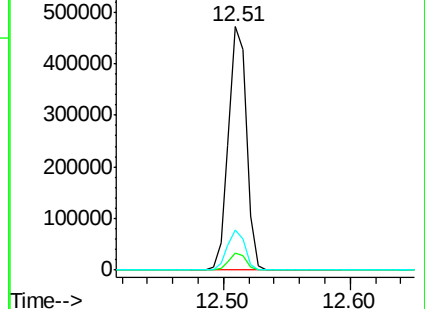
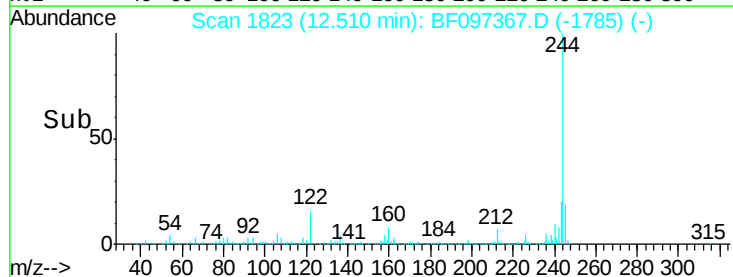
122 16.3 10.3 15.5#

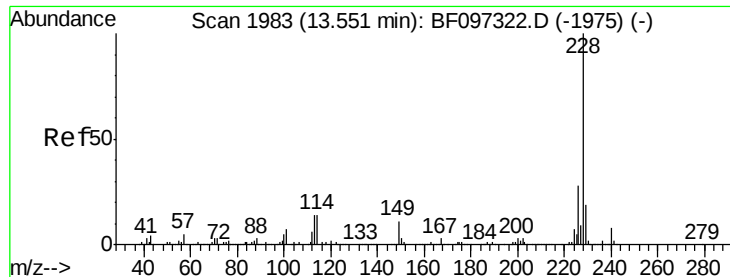


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

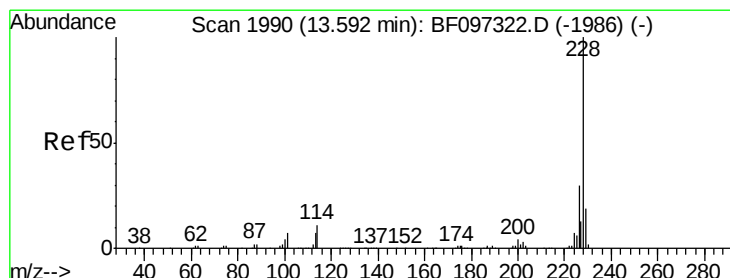
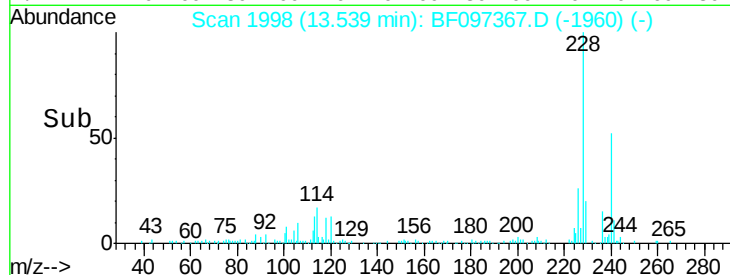
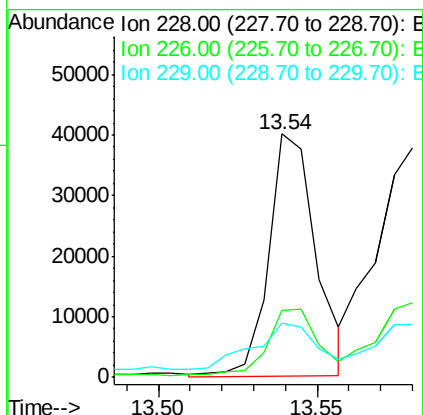
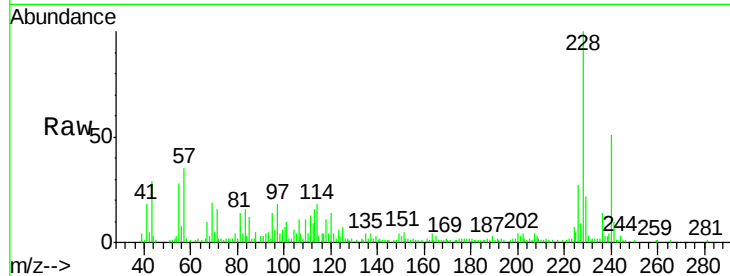




#80
Benzo(a)anthracene
Concen: 2.95 ng
RT: 13.54 min Scan# 1998
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

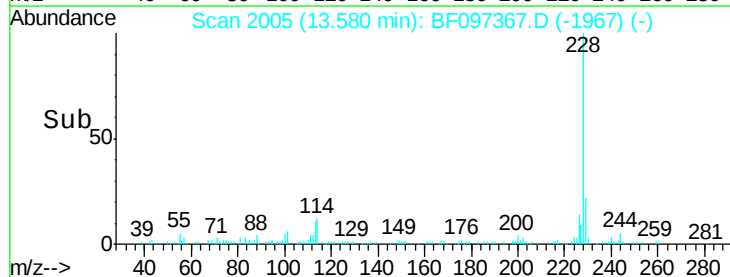
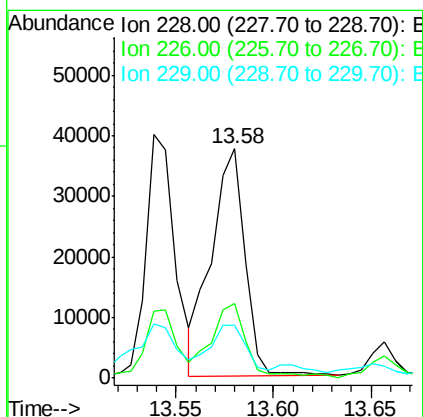
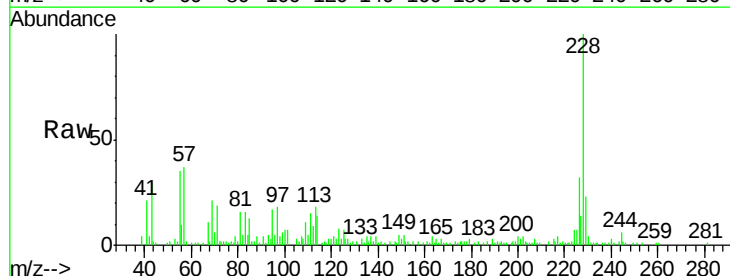
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

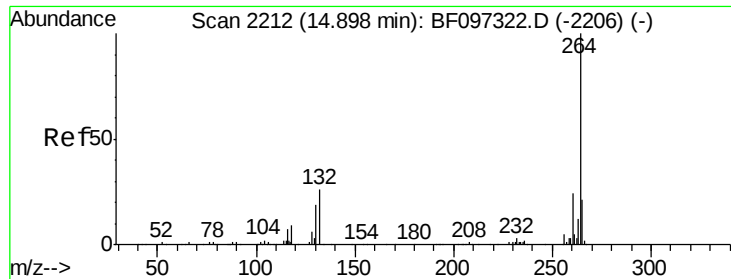
Tot Ion:228 Resp: 41259
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 22.4 16.3 24.5



#82
Chrysene
Concen: 3.28 ng
RT: 13.58 min Scan# 2005
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion:228 Resp: 44847
Ion Ratio Lower Upper
228 100
226 32.4 24.9 37.3
229 23.1 15.8 23.6

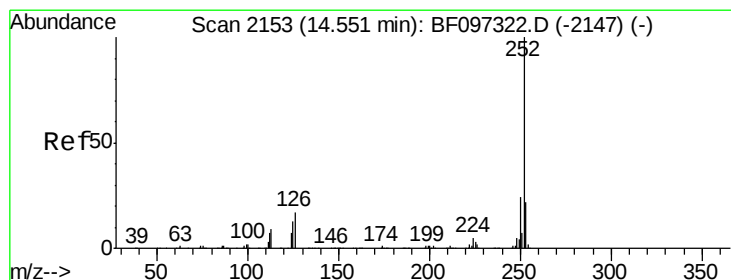
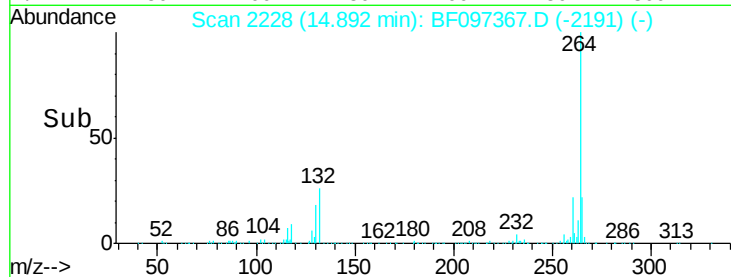
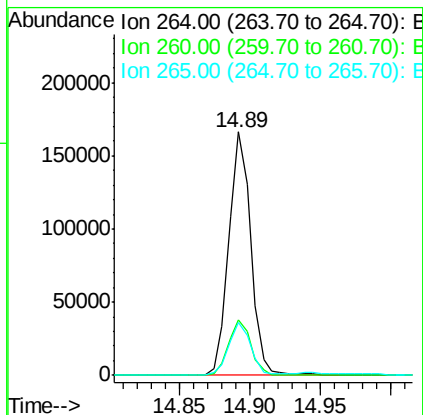
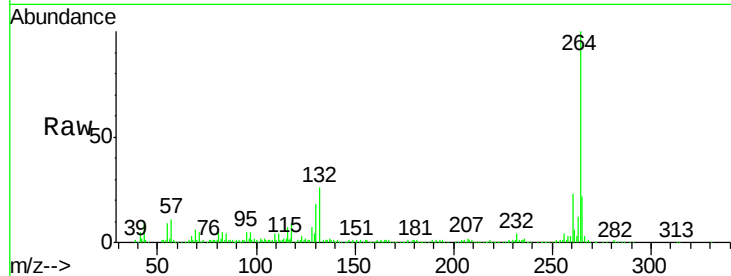




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

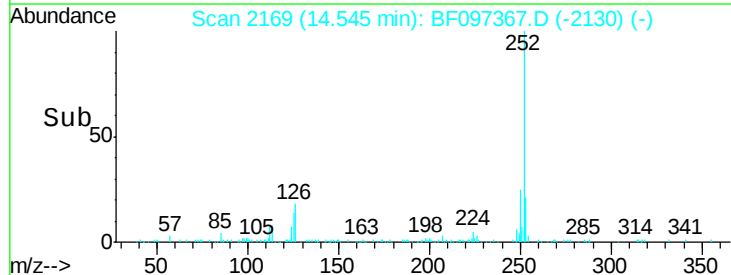
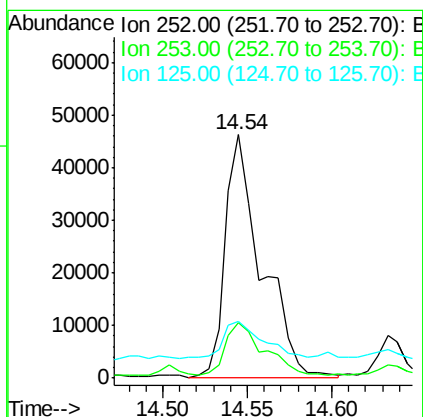
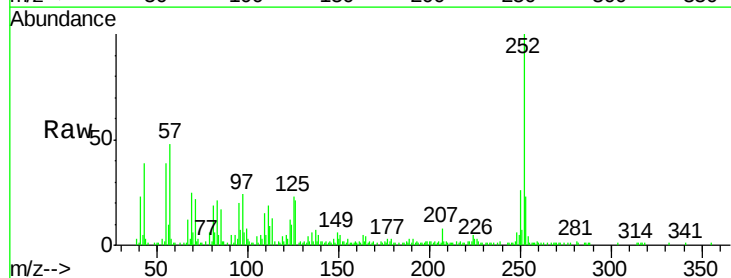
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

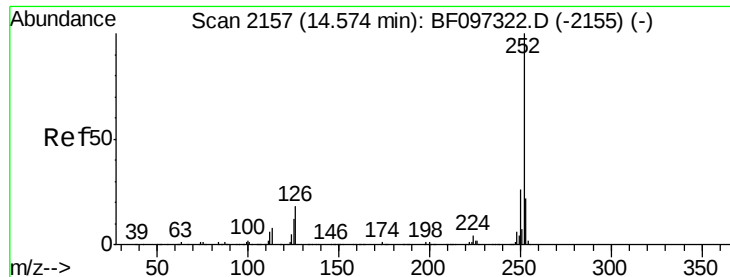
Tot Ion:264 Resp: 181122
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.39 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion:252 Resp: 69570
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 23.1 9.8 14.8#

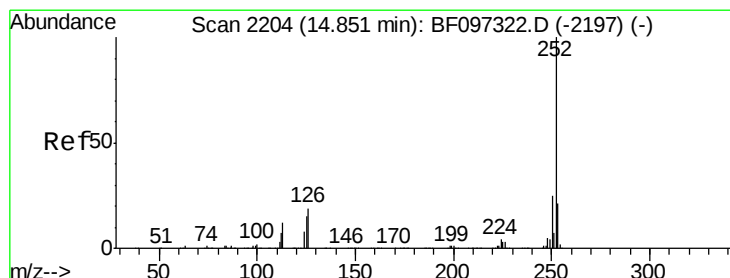
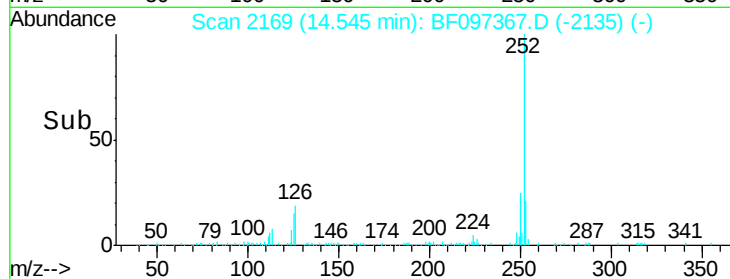
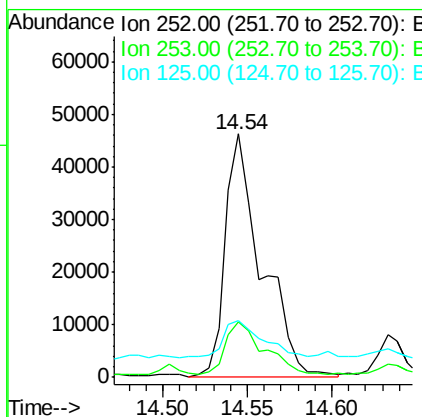
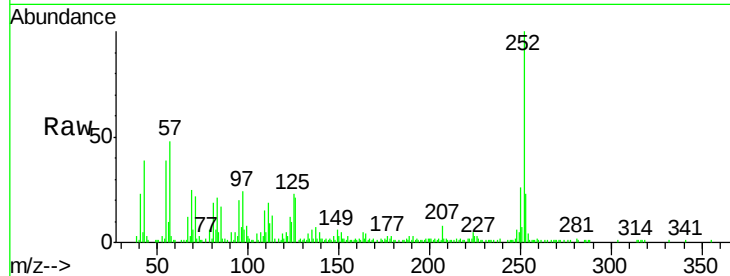




#88
Benzo(k)fluoranthene
Concen: 6.71 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.10 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

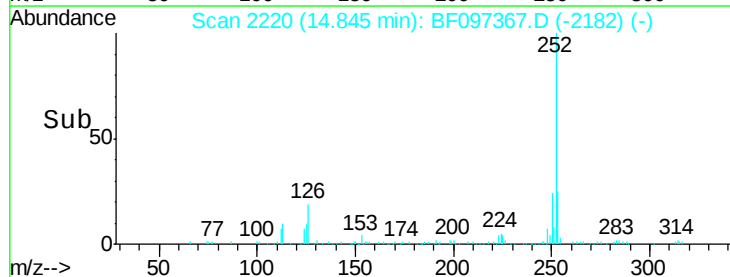
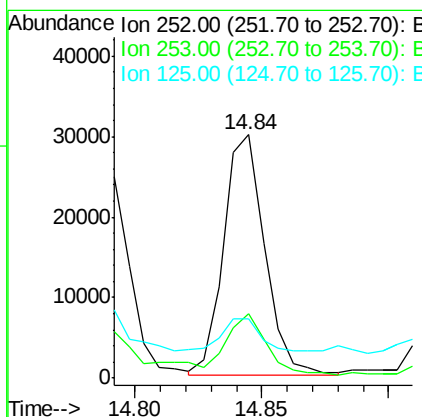
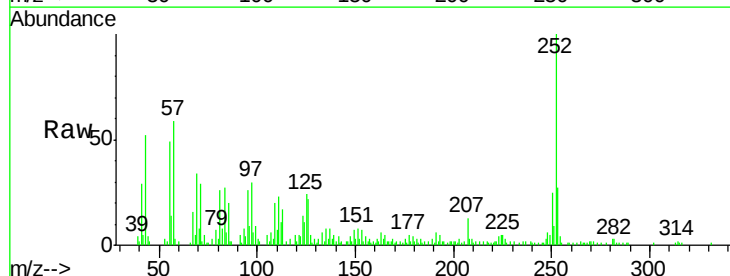
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

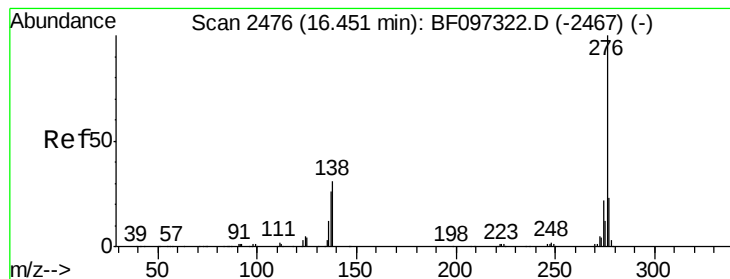
Tot Ion:252 Resp: 69570
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 23.1 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.36 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion:252 Resp: 33456
Ion Ratio Lower Upper
252 100
253 26.6 17.5 26.3#
125 24.3 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.04 ng

RT: 16.46 min Scan# 2494

Delta R.T. -0.11 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILE

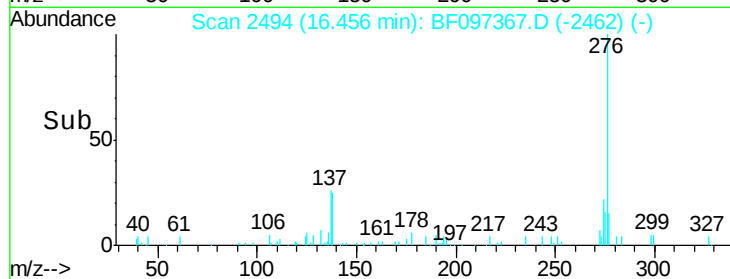
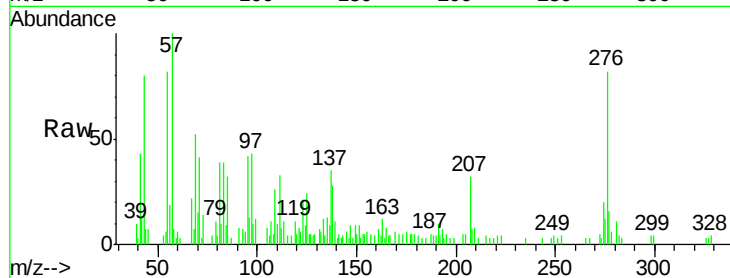
Tot Ion: 276 Resp: 17508

Ion Ratio Lower Upper

276 100

277 20.0 18.6 28.0

138 34.6 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

