

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097336.D
 Acq On : 4 Aug 2017 00:20
 Operator : SJ/JU
 Sample : I4560-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

Quant Time: Aug 04 01:10:51 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	6.45	152	105838	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488044	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	179051	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	231584	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	175332	20.00	ng	-0.06
86) Perylene-d12	14.91	264	113124	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	709644	101.08	ng	-0.06
7) Phenol-d6	6.12	99	879859	109.78	ng	-0.05
23) Nitrobenzene-d5	7.02	82	445268	53.52	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	109877	77.67	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	756902	71.74	ng	-0.06
78) Terphenyl-d14	12.52	244	458398	53.30	ng	-0.06

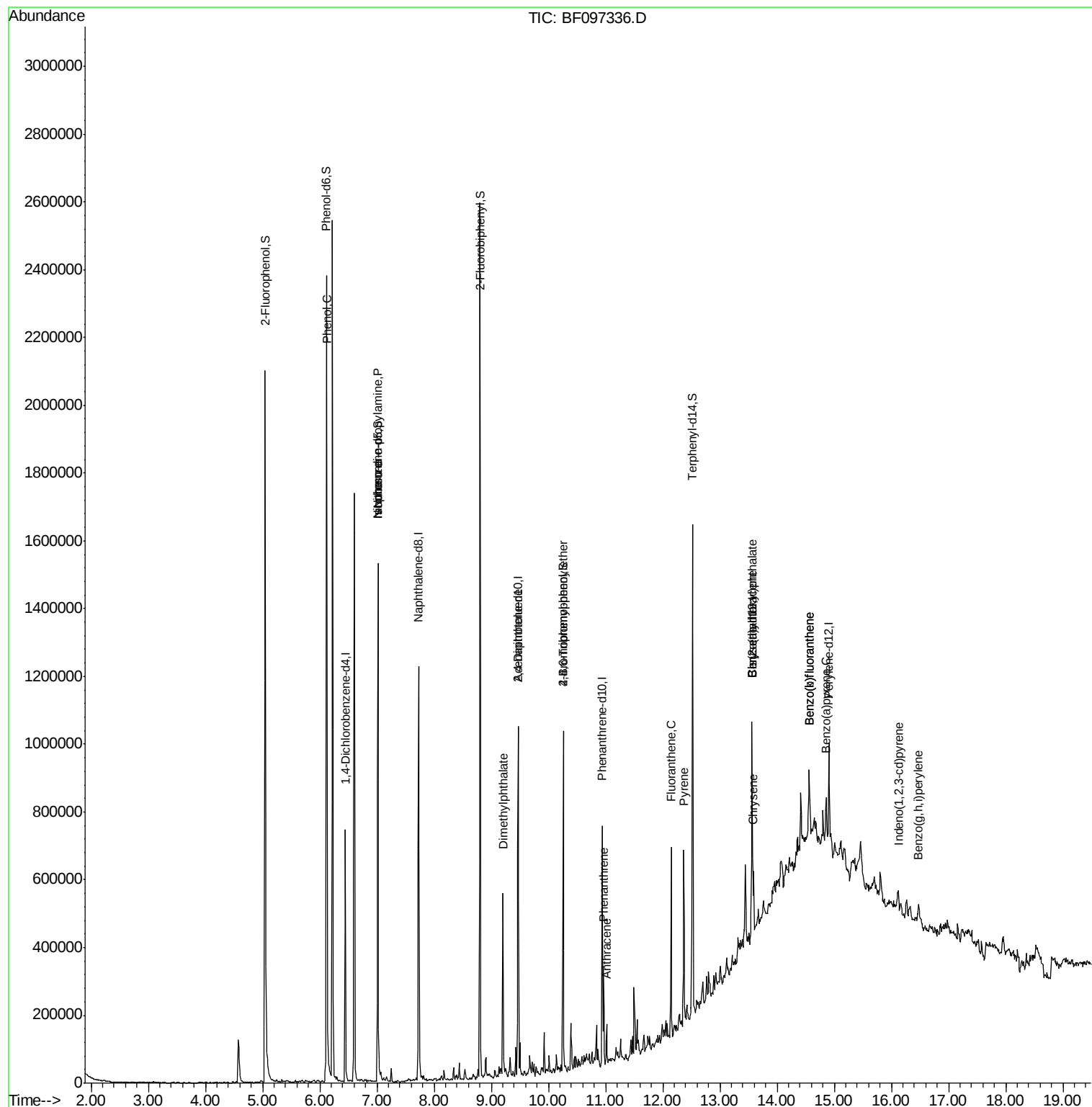
Target Compounds				Qvalue		
10) Phenol	6.13	94	30236	3.180	ng	81
19) n-Nitroso-di-n-propylamine	7.02	70	59715	11.319	ng	# 88
25) Isophorone	7.02	82	437657	26.863	ng	# 67
49) Dimethylphthalate	9.20	163	204250	15.022	ng	99
56) 2,4-Dinitrotoluene	9.47	165	24690	7.448	ng	# 33
66) 4-Bromophenyl-phenylether	10.26	248	6906	2.988	ng	# 1
70) Phenanthrene	10.96	178	99350	8.007	ng	96
71) Anthracene	11.02	178	36089	2.840	ng	97
74) Fluoranthene	12.15	202	211032	17.360	ng	98
77) Pyrene	12.37	202	195502	13.620	ng	99
80) Benzo(a)anthracene	13.56	228	79503	7.008	ng	98
82) Chrysene	13.59	228	83265	7.516	ng	97
83) Bis(2-ethylhexyl)phthalate	13.57	149	19973	2.095	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.12	276	27122	2.855	ng	98
87) Benzo(b)fluoranthene	14.56	252	107868	15.863	ng	# 89
88) Benzo(k)fluoranthene	14.56	252	107868	16.646	ng	# 93
89) Benzo(a)pyrene	14.86	252	44184	7.099	ng	# 80
91) Benzo(g,h,i)perylene	16.47	276	26420	4.936	ng	96

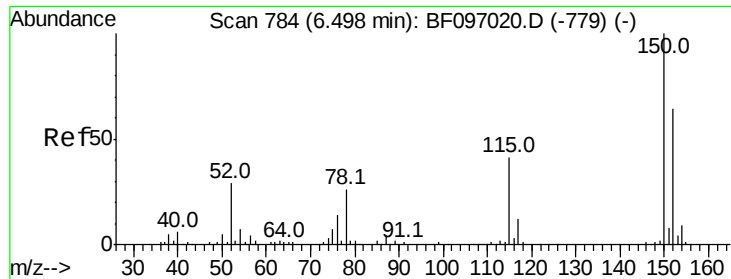
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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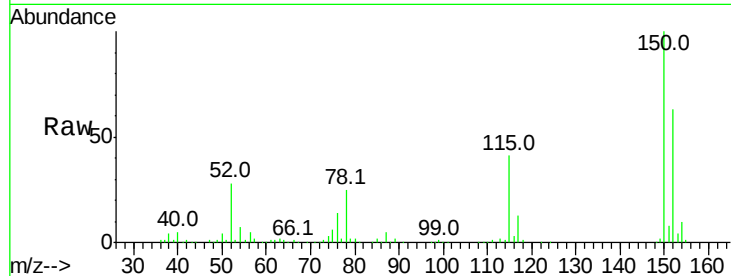


#1

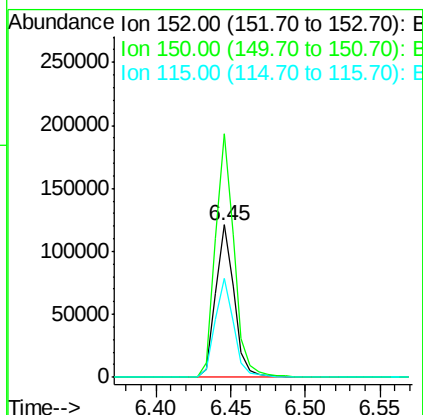
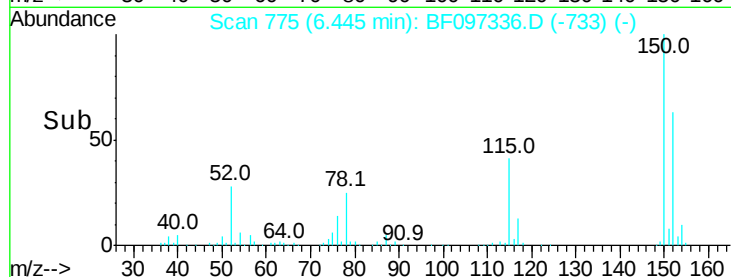
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion:152 Resp: 105838
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 64.9 52.2 78.2



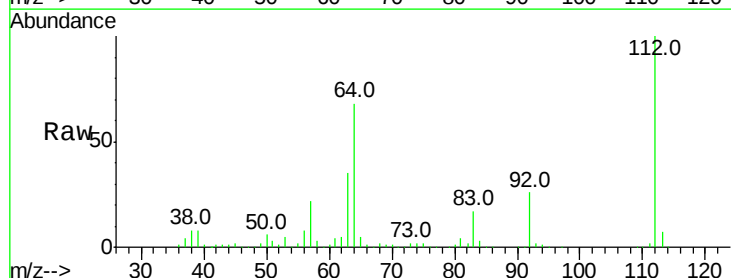
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



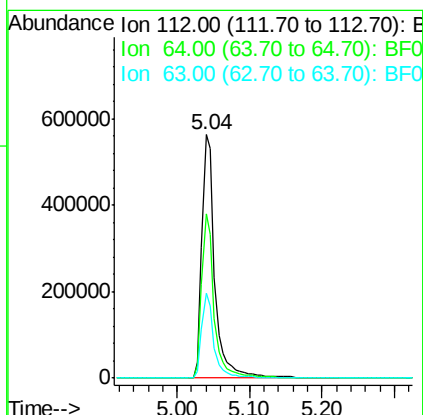
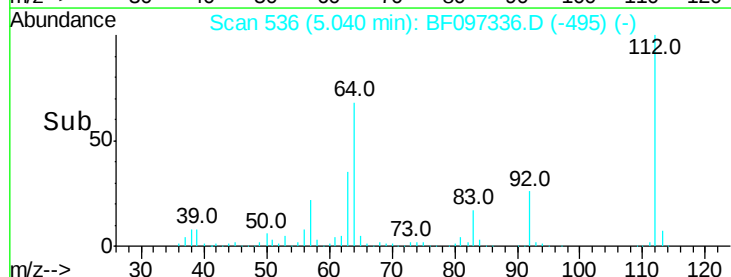
#5

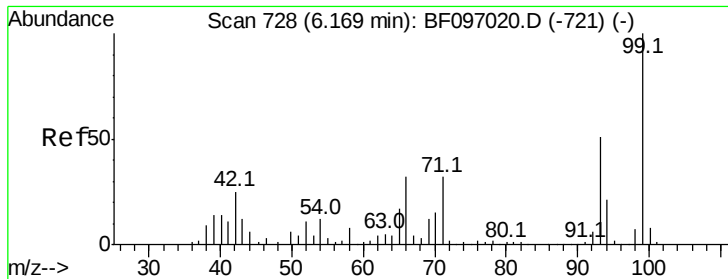
2-Fluorophenol
Concen: 101.077 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion:112 Resp: 709644
Ion Ratio Lower Upper
112 100
64 67.6 46.0 69.0
63 34.8 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: 109.775 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

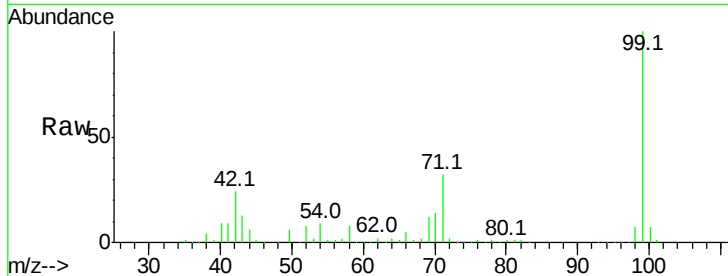
Tot Ion: 99 Resp: 879859

Ion Ratio Lower Upper

99 100

42 24.4 13.5 20.3#

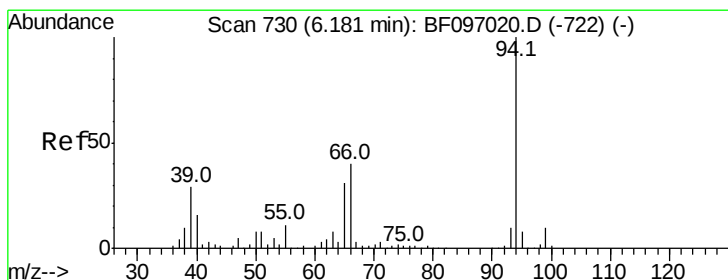
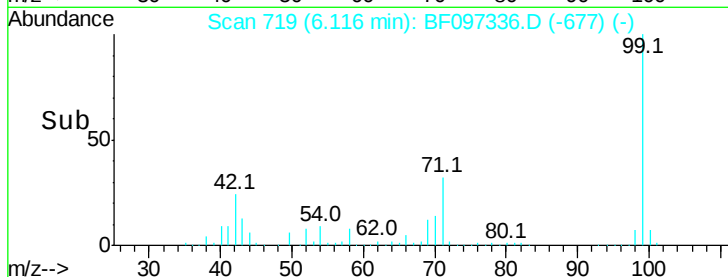
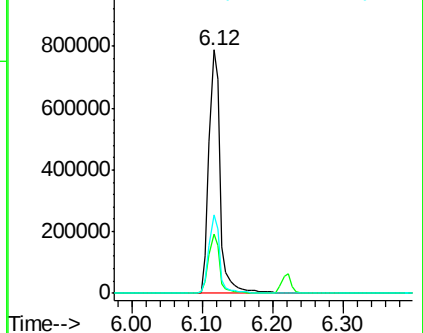
71 32.3 24.5 36.7



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: 3.180 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

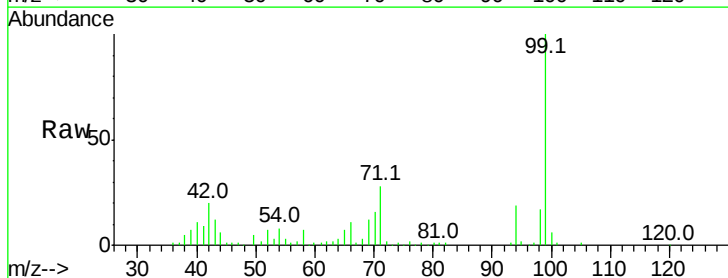
Tgt Ion: 94 Resp: 30236

Ion Ratio Lower Upper

94 100

65 35.9 9.9 49.9

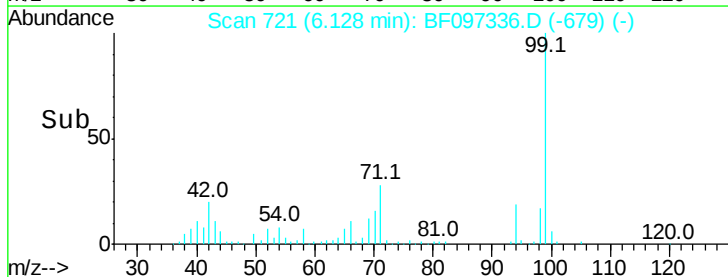
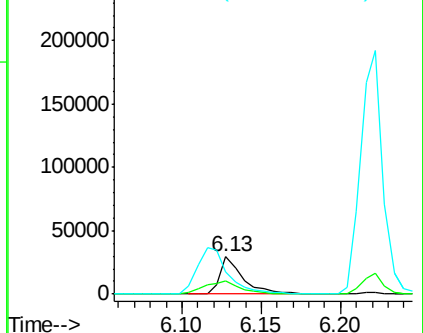
66 59.0 23.1 63.1

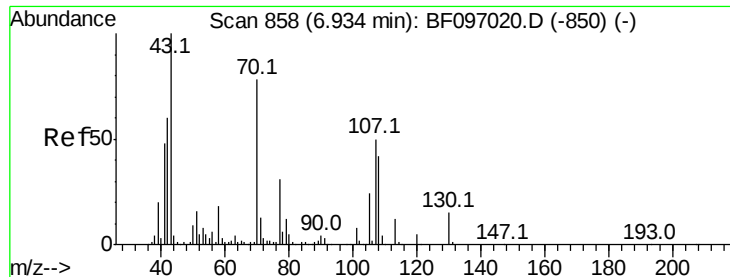


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

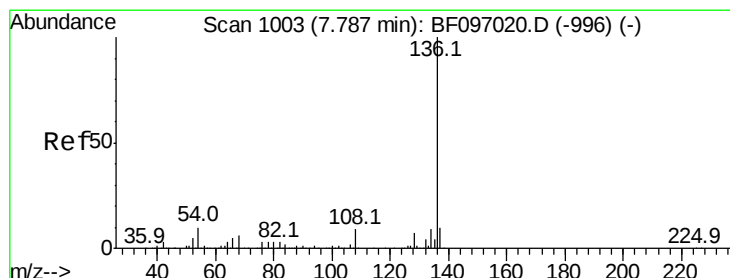
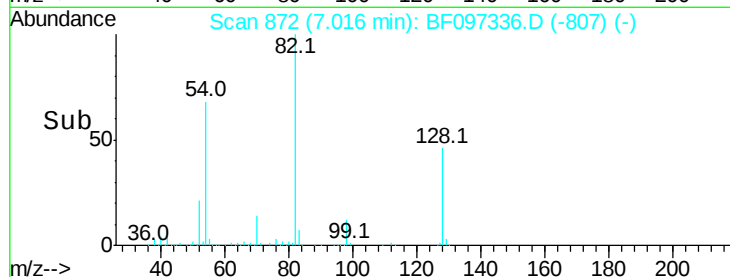
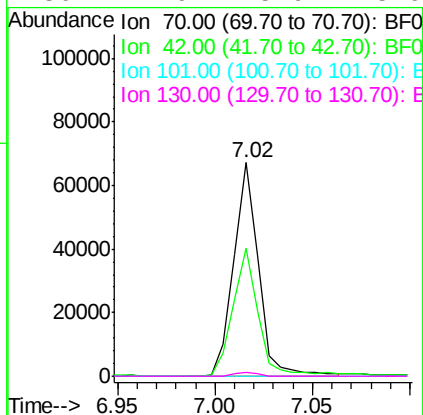
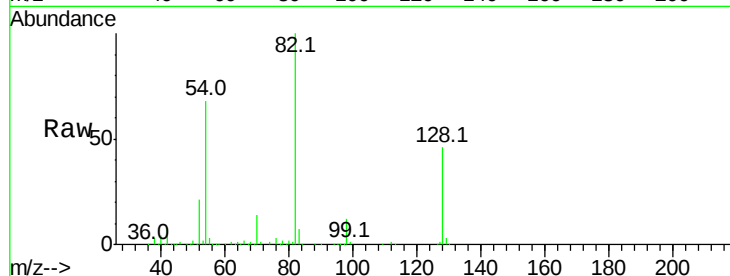




#19
n-Nitroso-di-n-propylamine
Concen: 11.319 ng
RT: 7.02 min Scan# 872
Delta R.T. 0.08 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

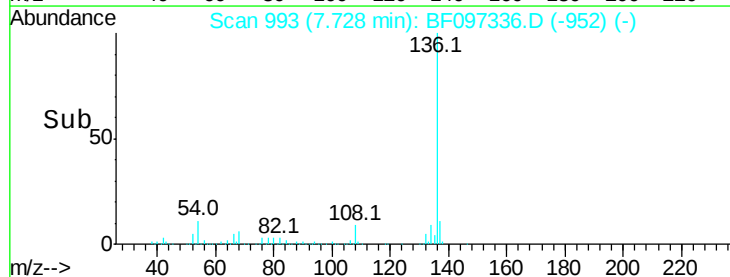
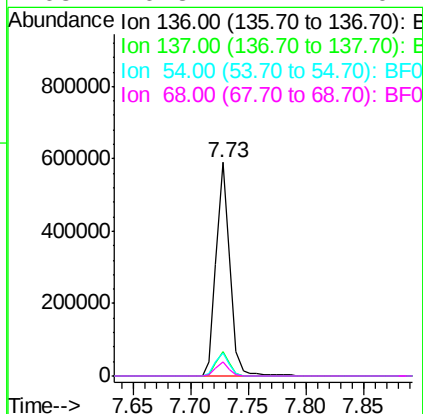
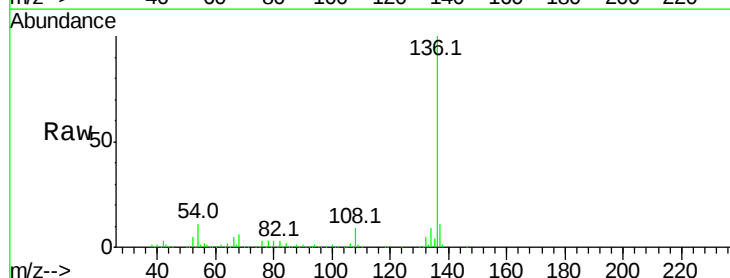
Instrument :
BNA_F
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N-STOCKPILE-COMP

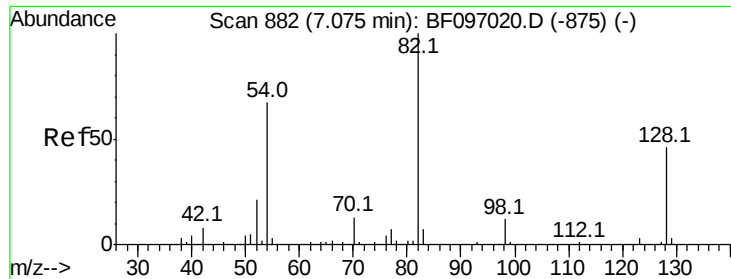
Tot Ion: 70 Resp: 59715
Ion Ratio Lower Upper
70 100
42 60.1 47.2 70.8
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion:136 Resp: 488044
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.0 4.9 7.3#
68 6.3 4.1 6.1#

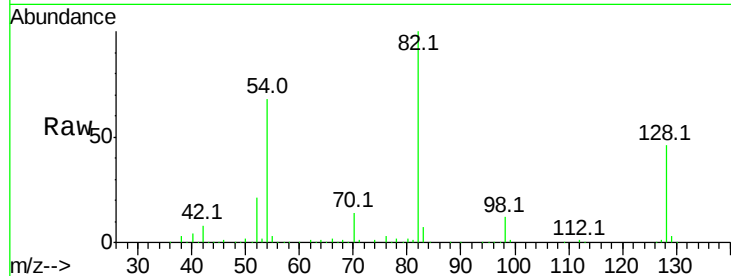




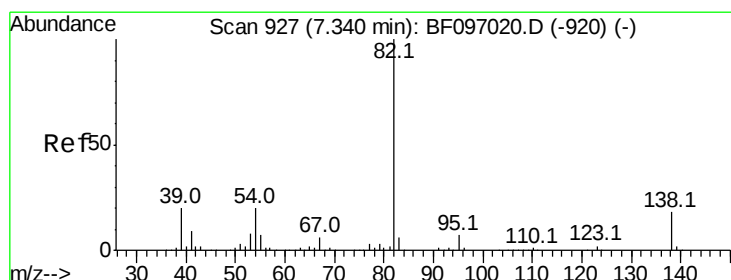
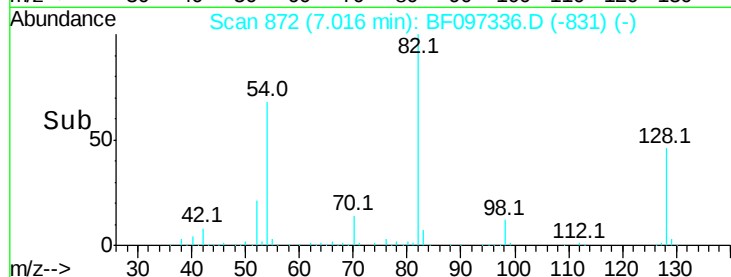
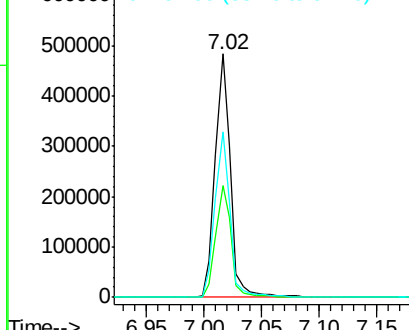
#23
Nitrobenzene-d5
Concen: 53.522 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion: 82 Resp: 445268
Ion Ratio Lower Upper
82 100
128 45.8 34.0 51.0
54 67.8 42.2 63.2#

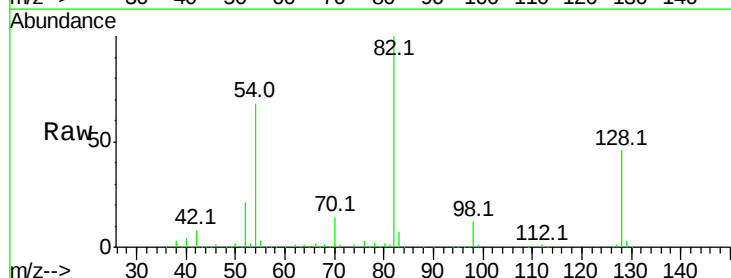


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

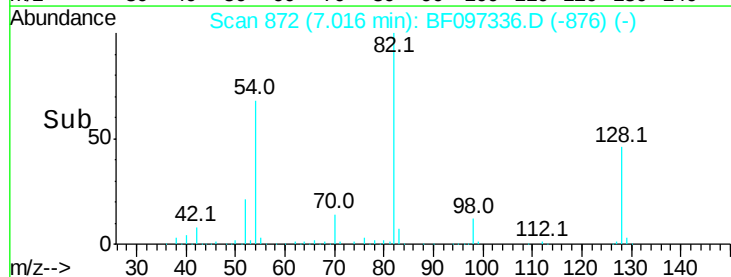
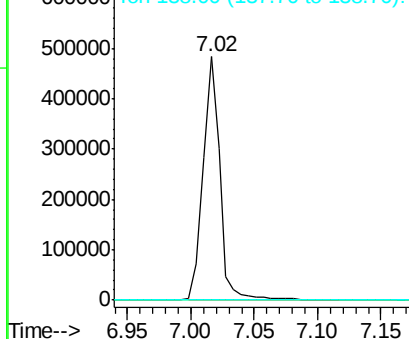


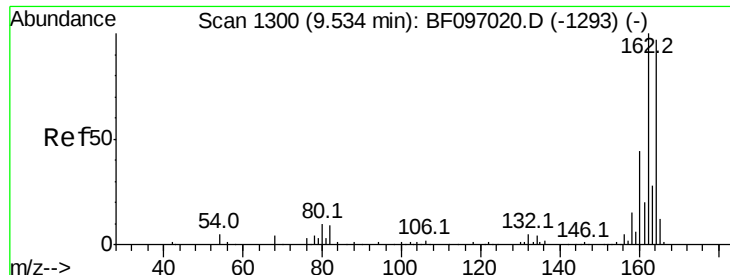
#25
Isophorone
Concen: 26.863 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.32 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion: 82 Resp: 437657
Ion Ratio Lower Upper
82 100
95 0.1 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): BF0

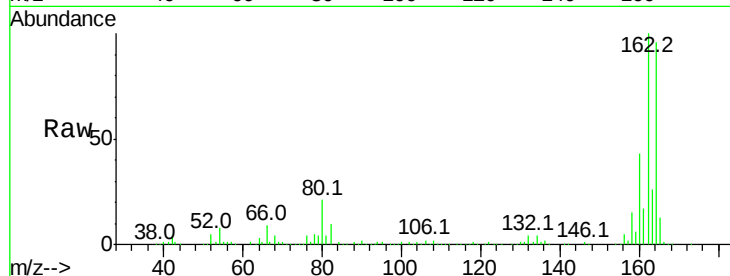




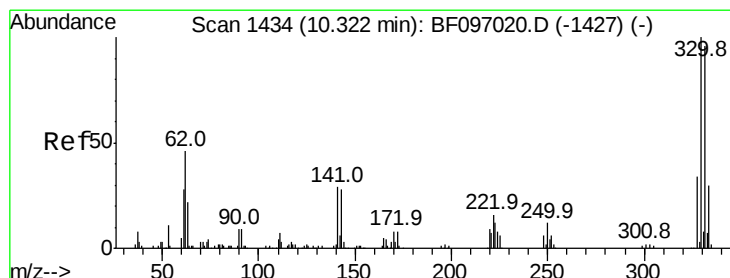
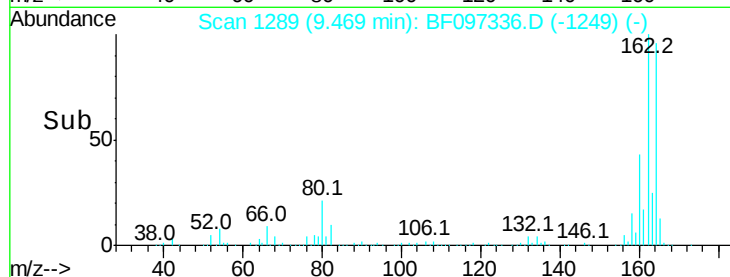
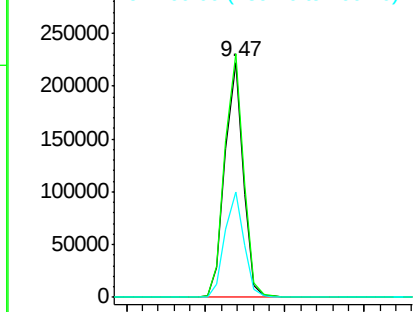
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

Tot Ion:164 Resp: 179051
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 44.8 36.2 54.2

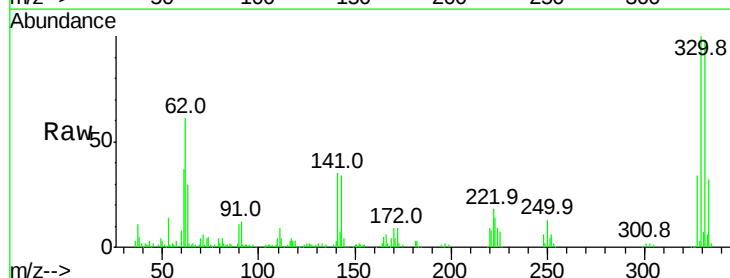


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

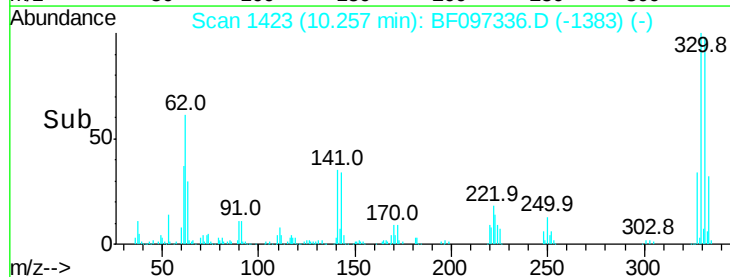
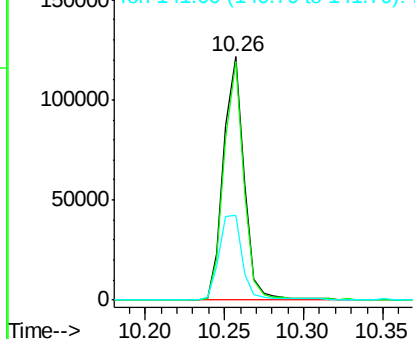


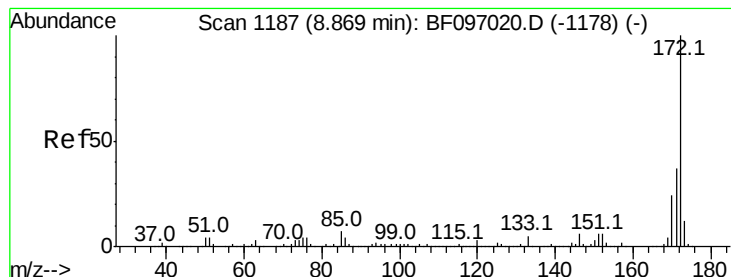
#41
 2,4,6-Tribromophenol
 Concen: 77.669 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Tgt Ion:330 Resp: 109877
 Ion Ratio Lower Upper
 330 100
 332 94.9 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: 71.741 ng

RT: 8.80 min Scan# 1176

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

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BNA_F

ClientSampleId :

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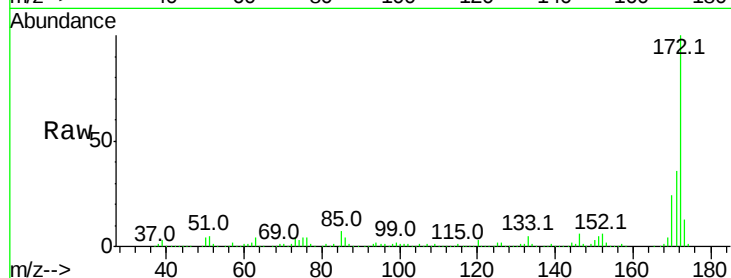
Tot Ion:172 Resp: 756902

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

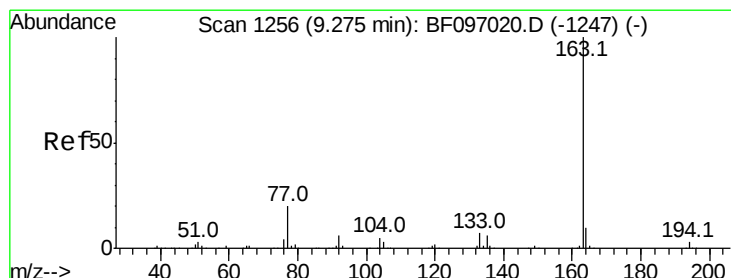
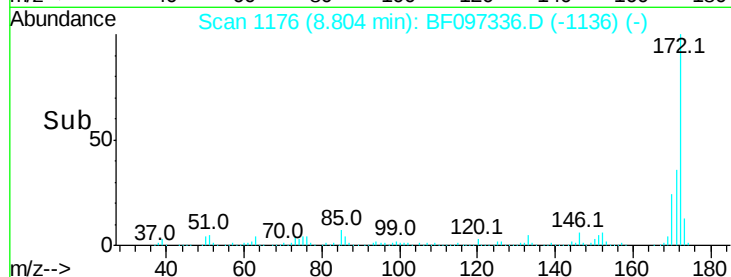
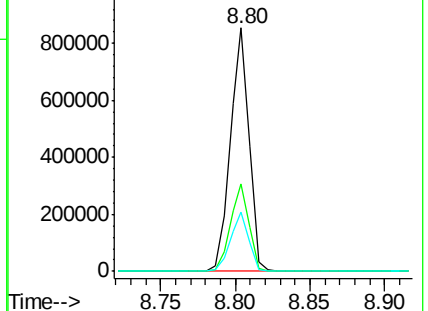
170 24.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 15.022 ng

RT: 9.20 min Scan# 1244

Delta R.T. -0.07 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

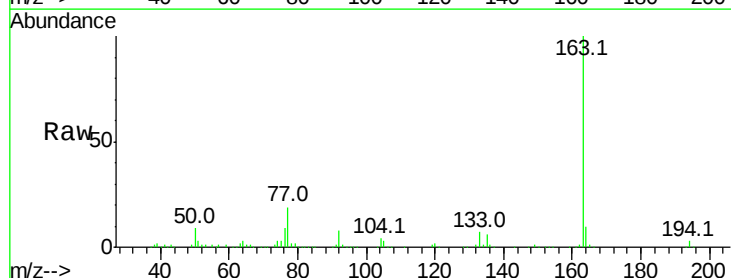
Tgt Ion:163 Resp: 204250

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

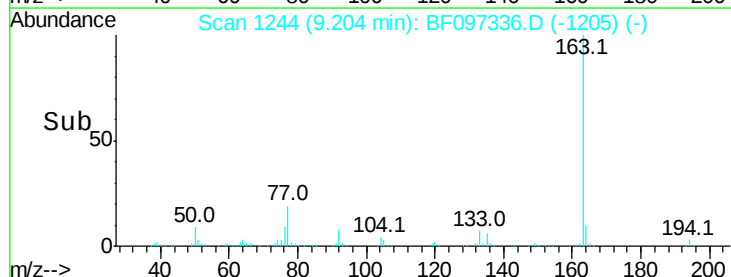
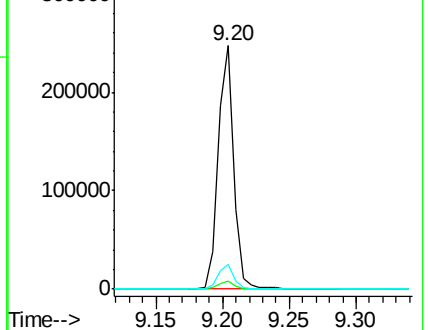
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

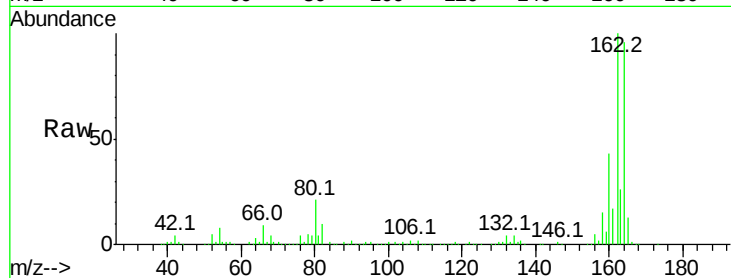




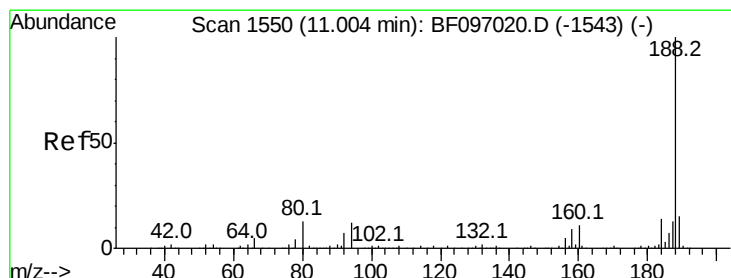
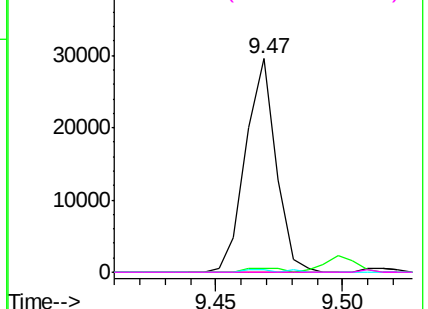
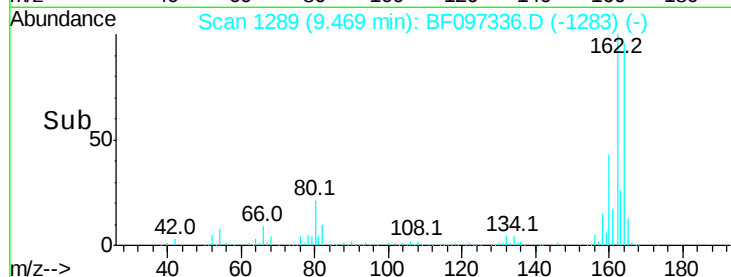
#56
 2,4-Dinitrotoluene
 Concen: 7.448 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.26 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

Tot Ion:165 Resp: 24690
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#

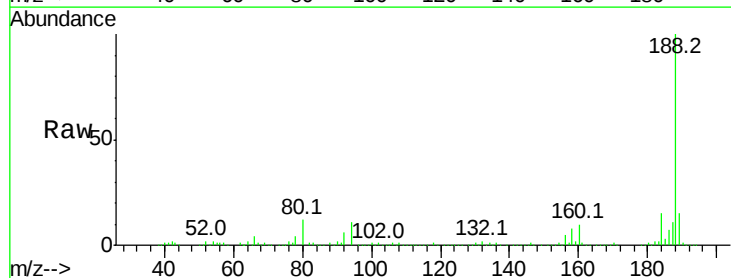


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

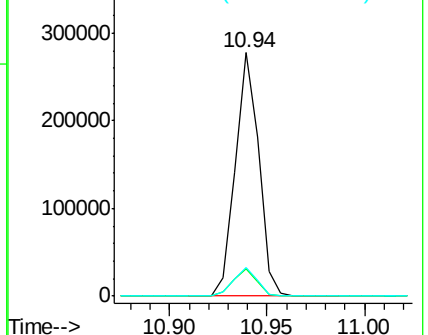
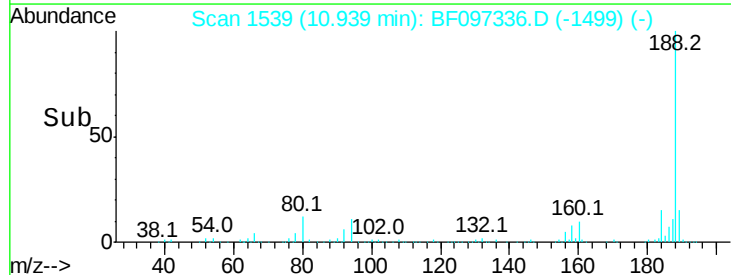


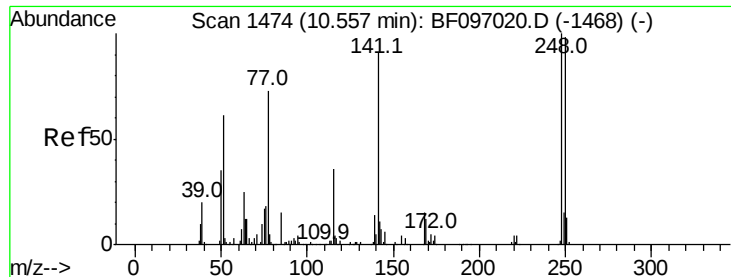
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.94 min Scan# 1539
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Tgt Ion:188 Resp: 231584
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 11.8 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: 2.988 ng

RT: 10.26 min Scan# 1423

Delta R.T. -0.30 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

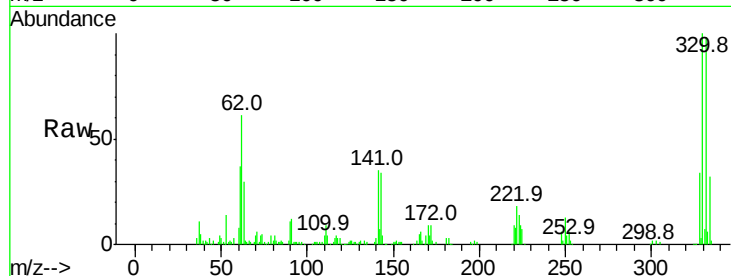
Tot Ion:248 Resp: 6906

Ion Ratio Lower Upper

248 100

250 201.9 76.8 115.2#

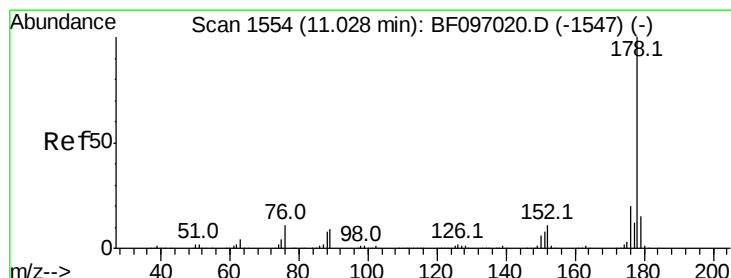
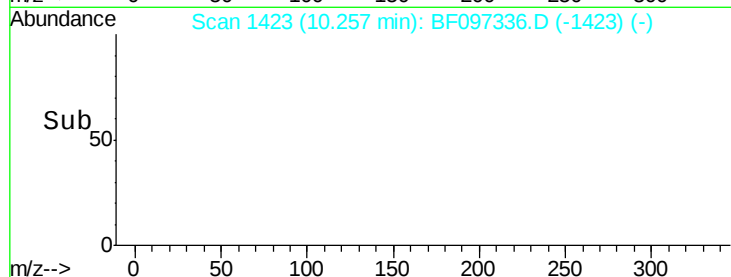
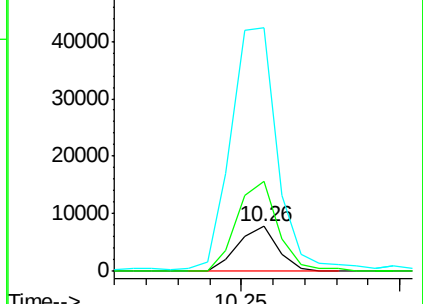
141 544.4 68.6 103.0#



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: 8.007 ng

RT: 10.96 min Scan# 1543

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

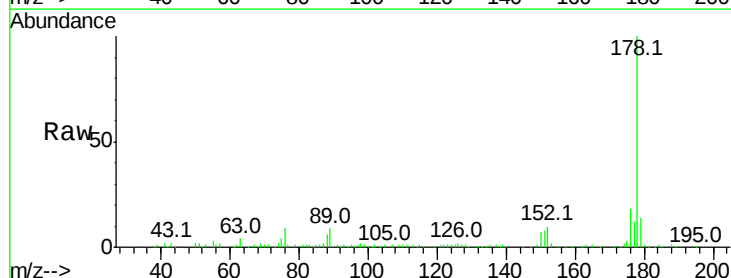
Tgt Ion:178 Resp: 99350

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.4

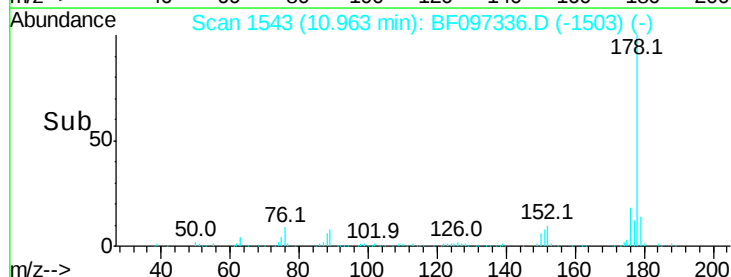
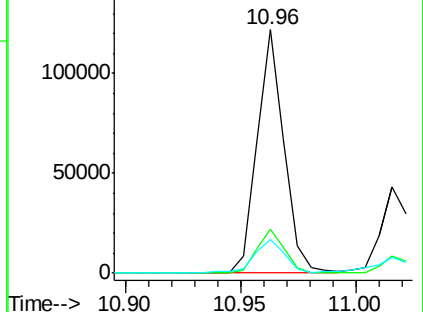
179 14.1 12.6 19.0

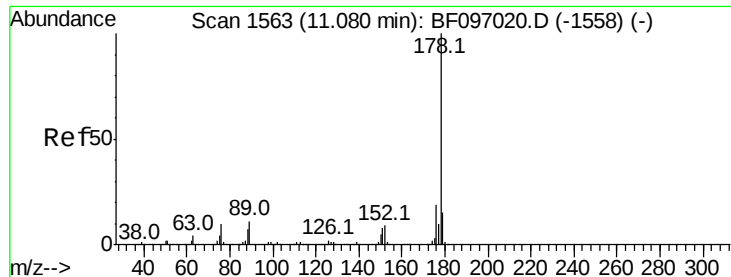


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.840 ng

RT: 11.02 min Scan# 1552

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

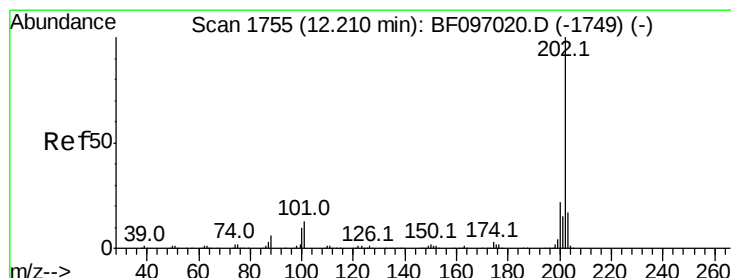
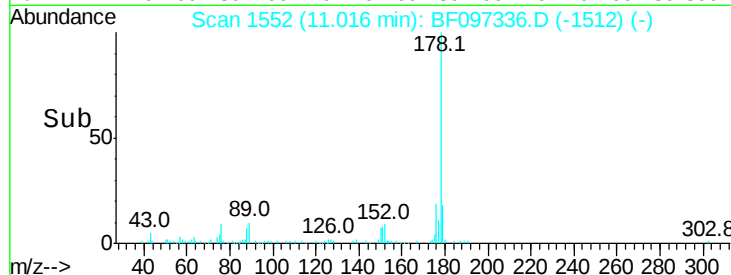
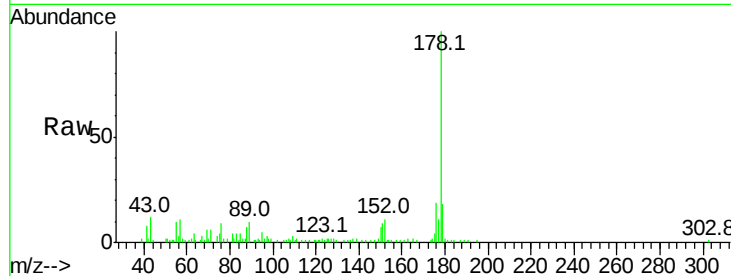
Tot Ion:178 Resp: 36089

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

179 17.7 12.7 19.1



#74

Fluoranthene

Concen: 17.360 ng

RT: 12.15 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

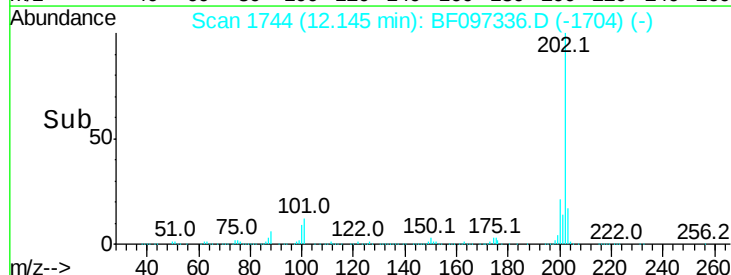
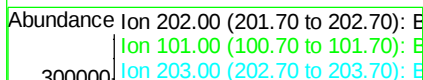
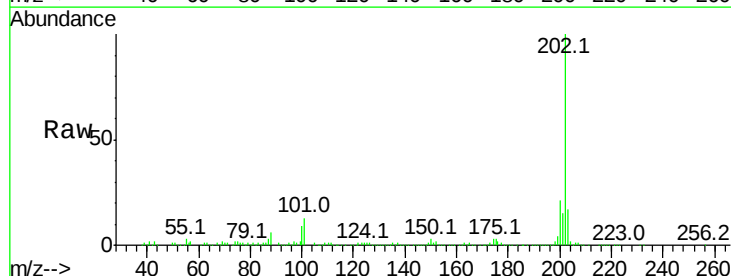
Tgt Ion:202 Resp: 211032

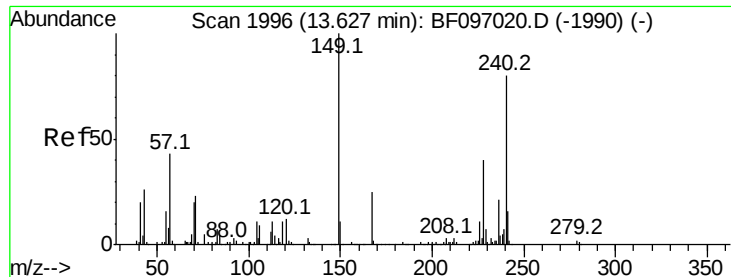
Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

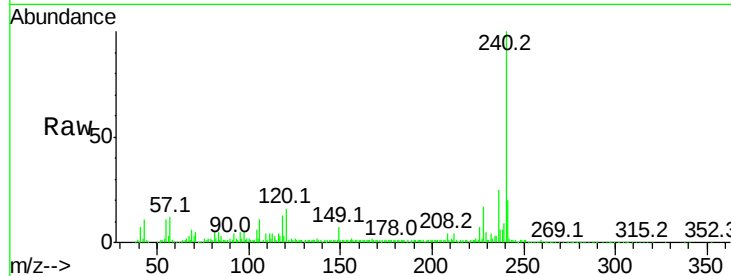
Tot Ion:240 Resp: 175332

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

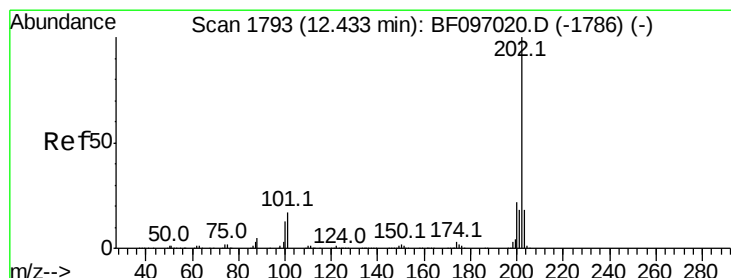
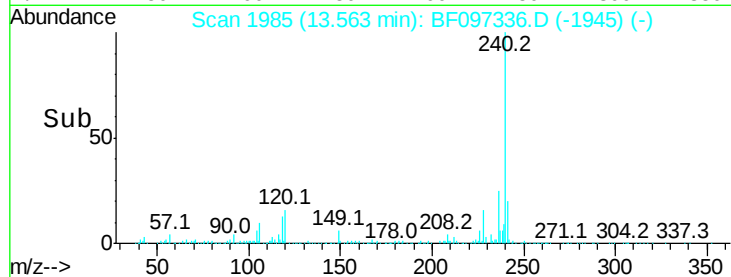
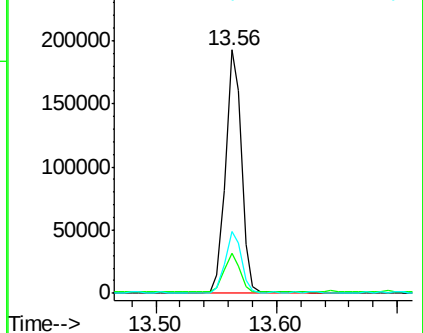
236 25.4 20.5 30.7



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: 13.620 ng

RT: 12.37 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

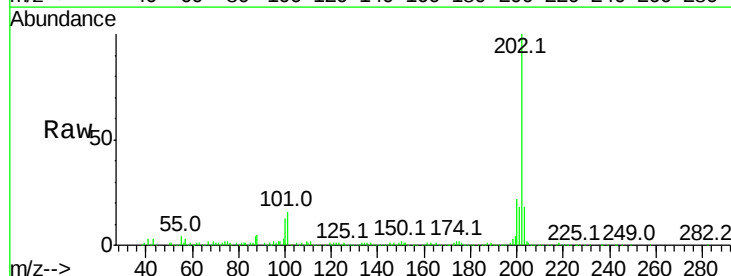
Tgt Ion:202 Resp: 195502

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

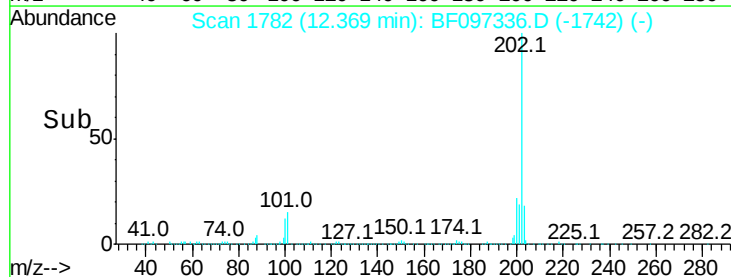
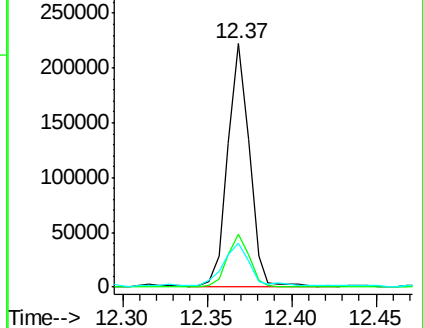
203 18.2 14.4 21.6

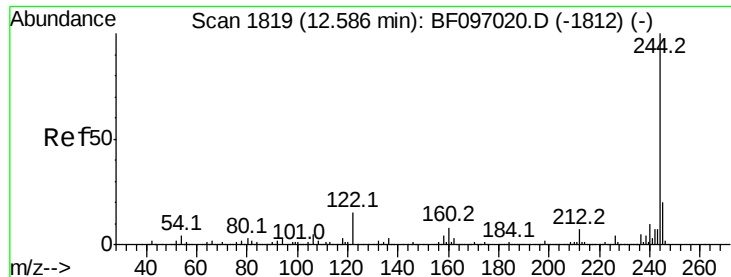


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.305 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

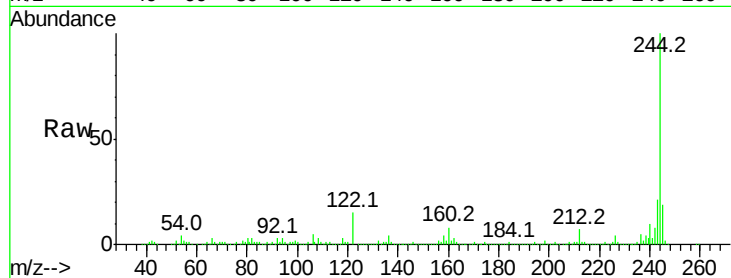
Tot Ion:244 Resp: 458398

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

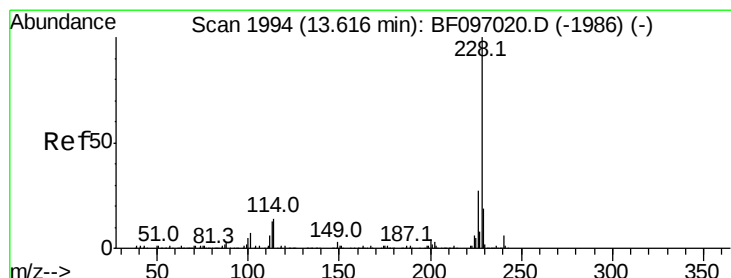
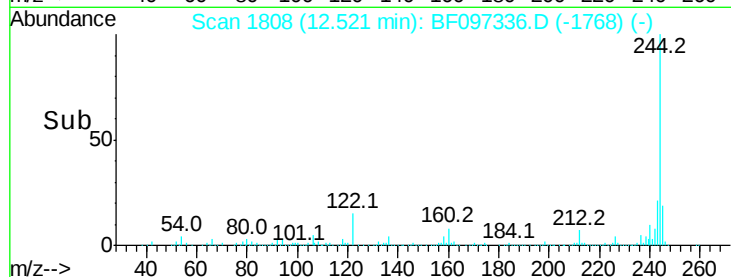
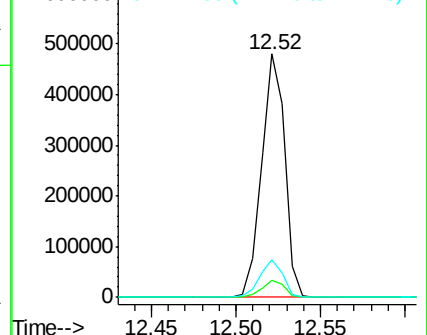
122 15.4 10.3 15.5



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: 7.008 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

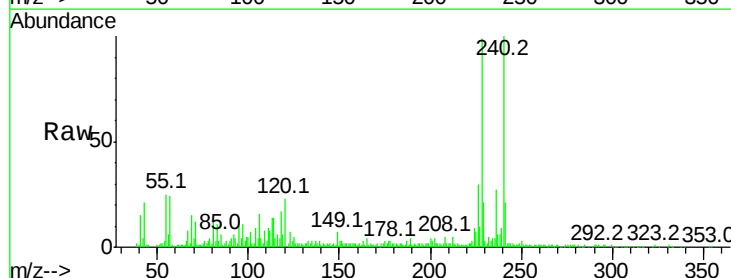
Tgt Ion:228 Resp: 79503

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

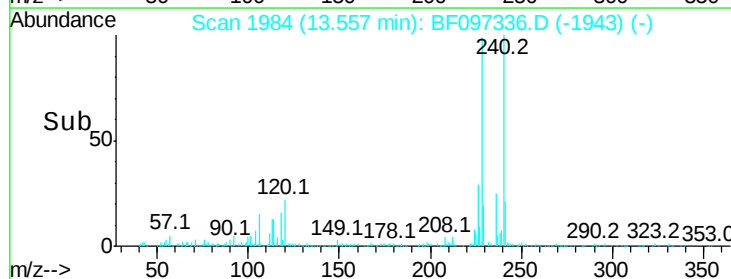
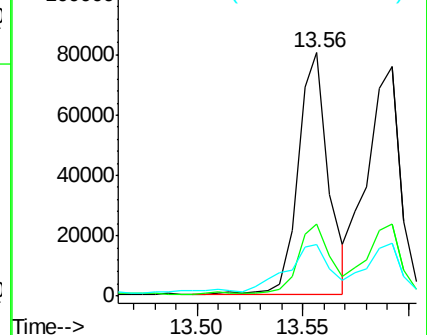
229 21.0 16.3 24.5

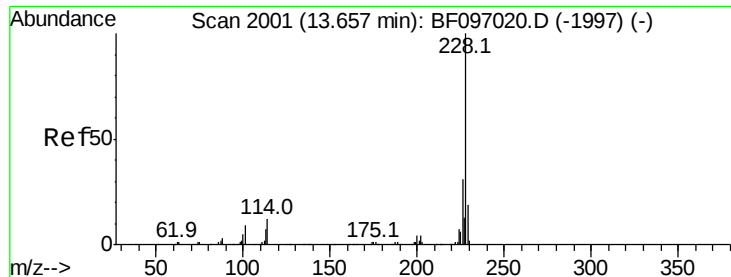


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.516 ng

RT: 13.59 min Scan# 1990

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

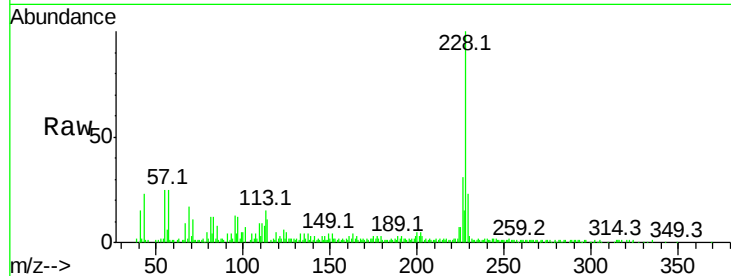
Tot Ion:228 Resp: 83265

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

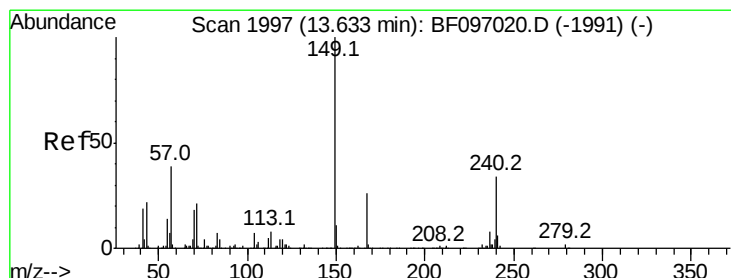
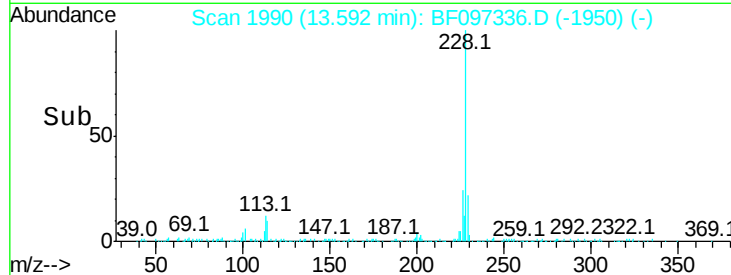
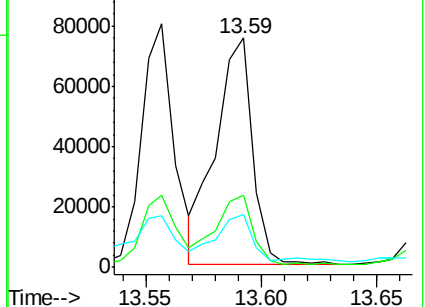
229 23.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.095 ng

RT: 13.57 min Scan# 1986

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

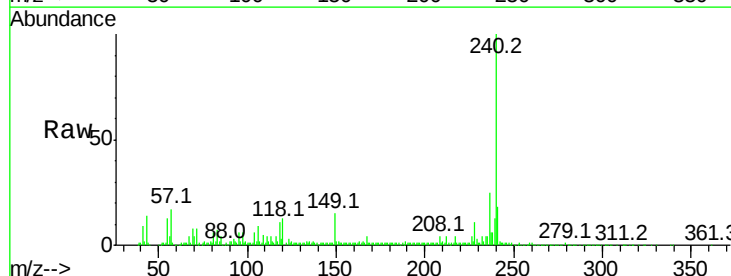
Tgt Ion:149 Resp: 19973

Ion Ratio Lower Upper

149 100

167 29.0 21.0 31.4

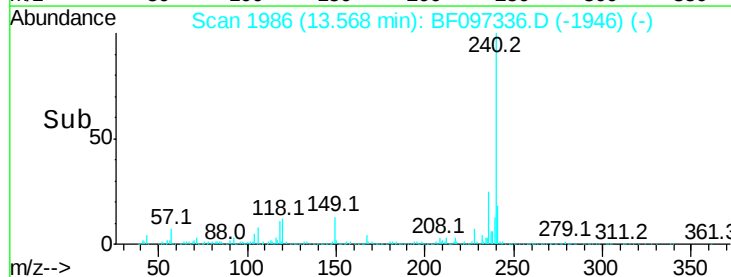
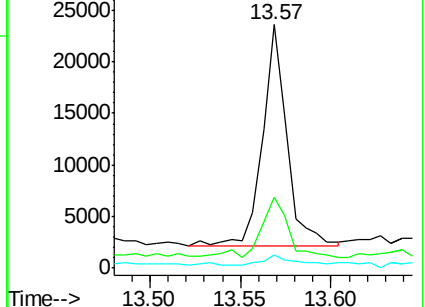
279 5.6 1.9 2.9#

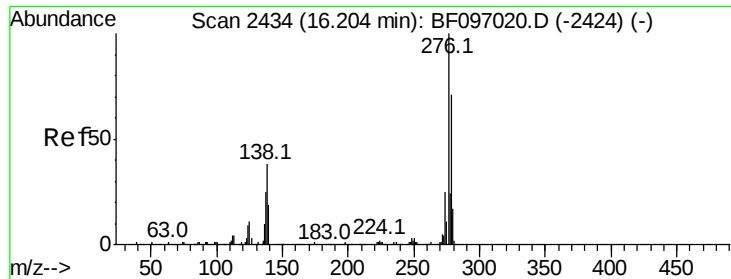


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

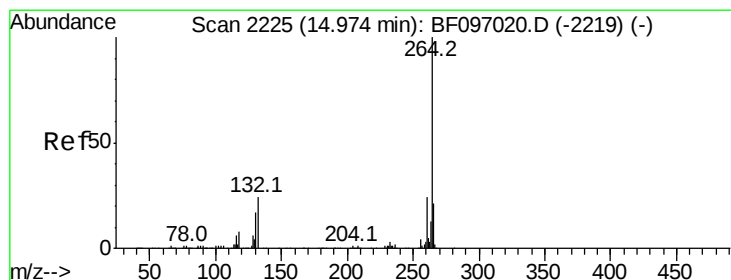
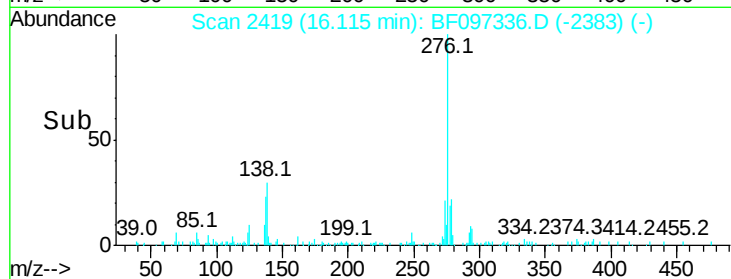
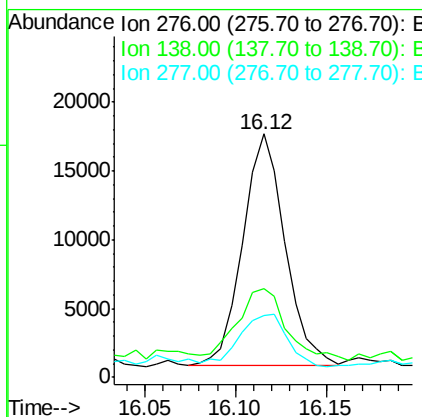
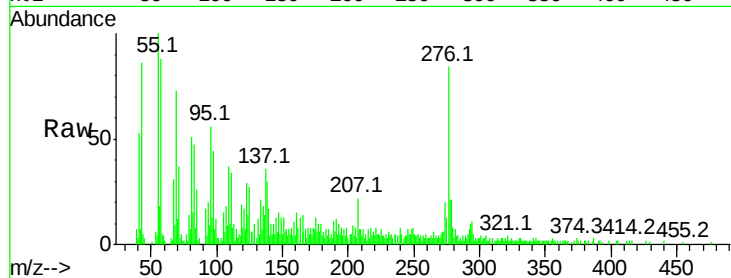




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.855 ng
 RT: 16.12 min Scan# 2419
 Delta R.T. -0.09 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

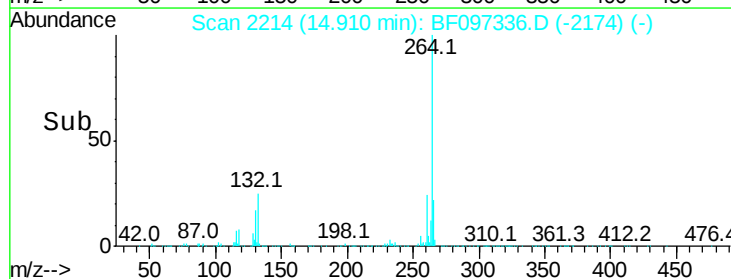
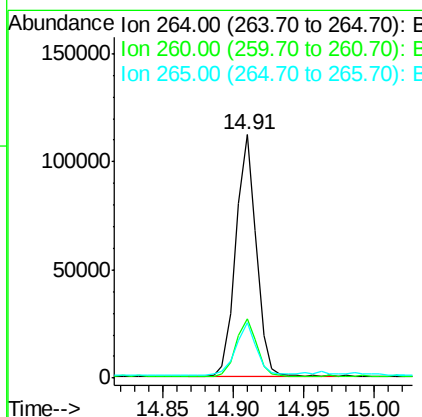
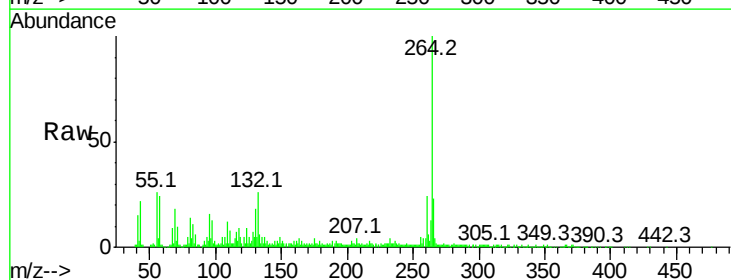
Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

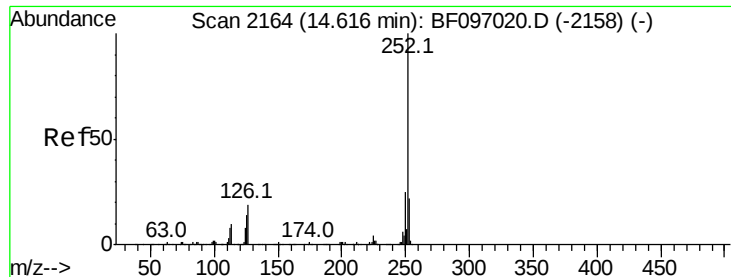
Tot Ion:276 Resp: 27122
 Ion Ratio Lower Upper
 276 100
 138 36.1 27.8 41.6
 277 26.1 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.91 min Scan# 2214
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Tgt Ion:264 Resp: 113124
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 15.863 ng

RT: 14.56 min Scan# 2154

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

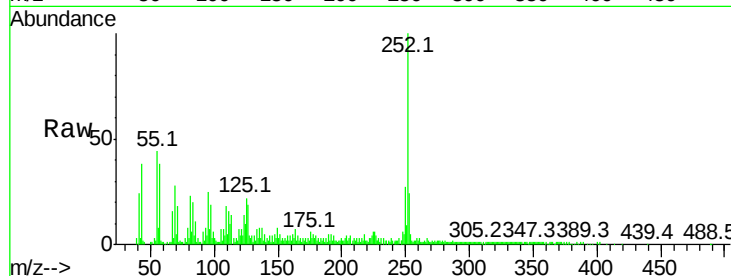
Tot Ion:252 Resp: 107868

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

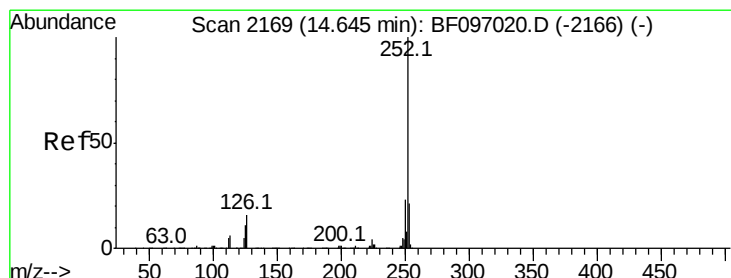
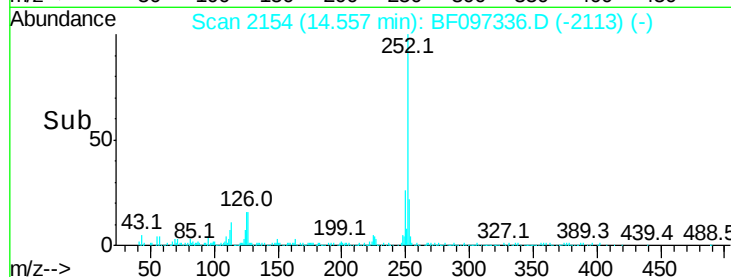
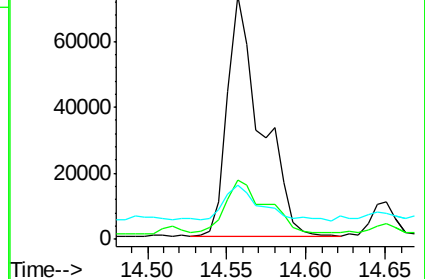
125 22.2 9.8 14.8#



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: 16.646 ng

RT: 14.56 min Scan# 2154

Delta R.T. -0.09 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

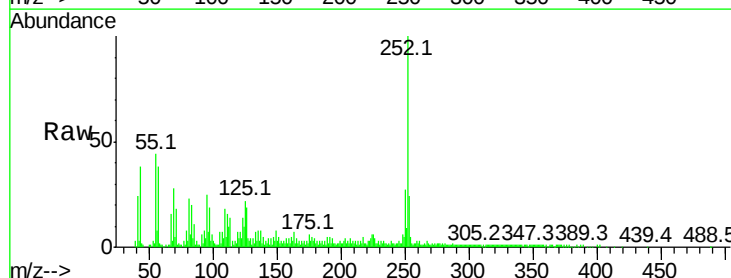
Tgt Ion:252 Resp: 107868

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

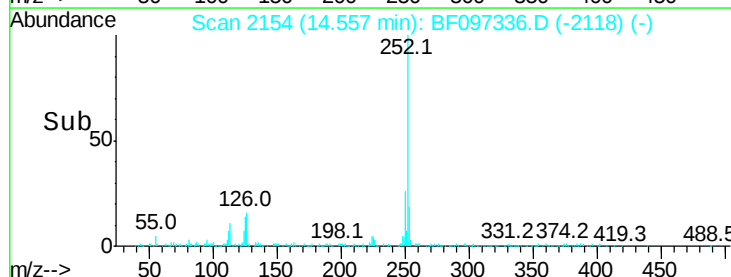
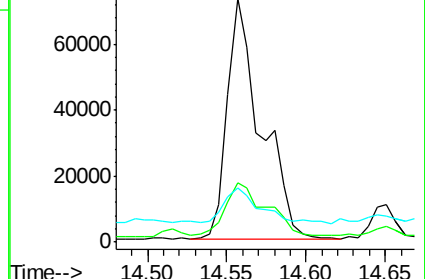
125 22.2 13.1 19.7#

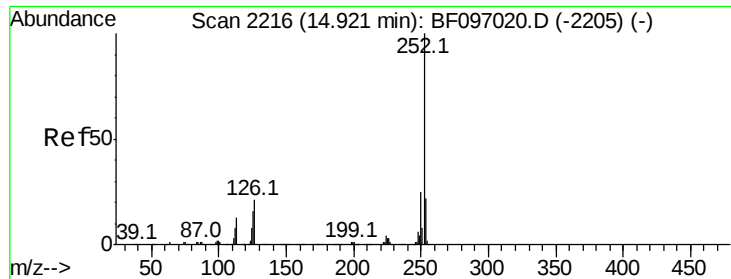


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

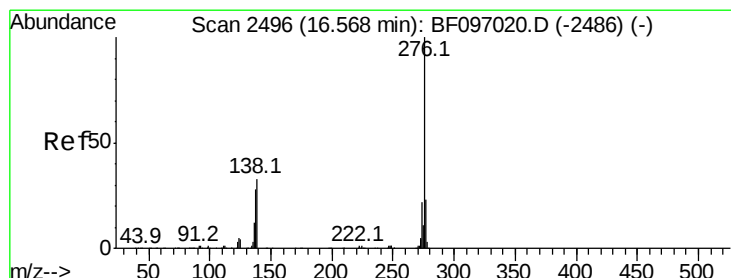
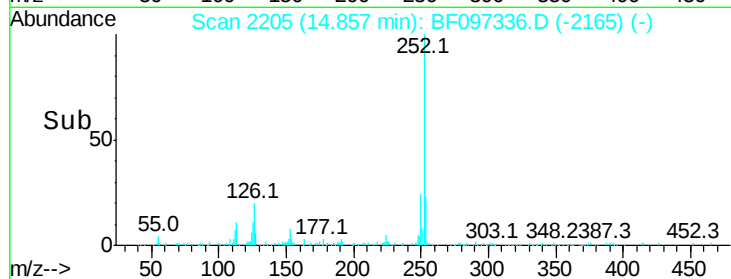
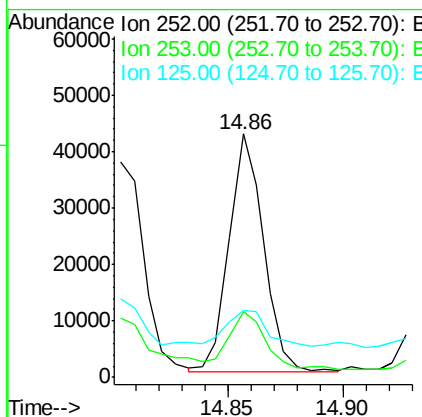
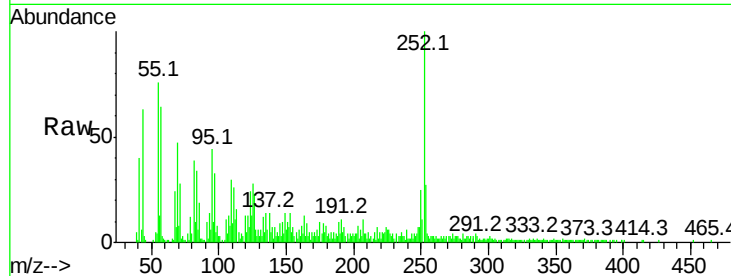




#89
Benzo(a)pyrene
Concen: 7.099 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion:252 Resp: 44184
Ion Ratio Lower Upper
252 100
253 26.9 17.5 26.3#
125 27.5 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.936 ng
RT: 16.47 min Scan# 2480
Delta R.T. -0.09 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion:276 Resp: 26420
Ion Ratio Lower Upper
276 100
277 26.3 18.6 28.0
138 32.8 25.4 38.0

