

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084991.D
 Acq On : 10 Feb 2016 14:20
 Operator : SJ/IZ
 Sample : H1392-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-7E-(0-2)A

Quant Time: Feb 10 16:32:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

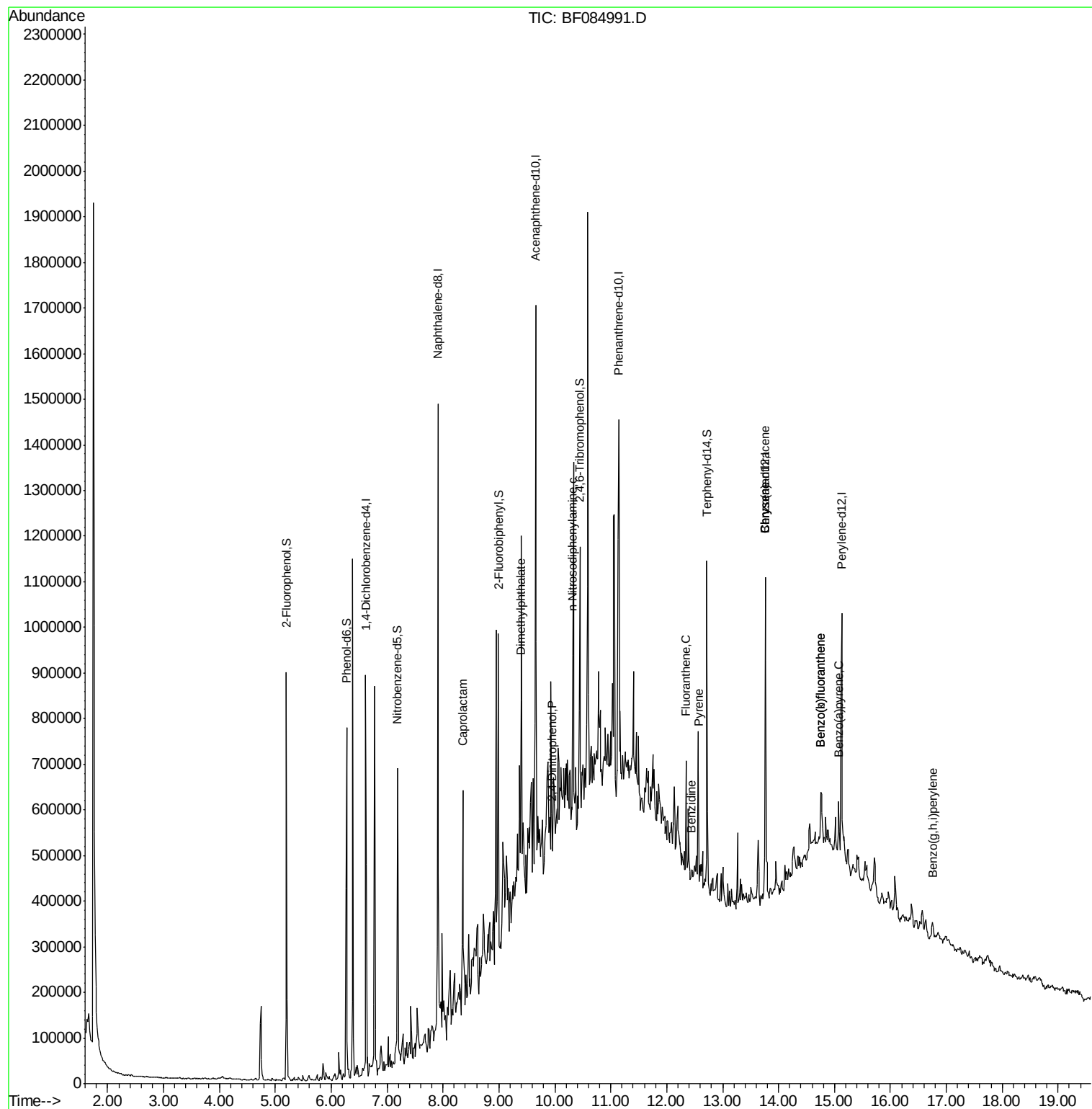
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	149053	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	582480	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	239502	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	401419	20.00	ng	0.00
75) Chrysene-d12	13.76	240	299635	20.00	ng	-0.01
86) Perylene-d12	15.13	264	275257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	250716	26.20	ng	0.00
7) Phenol-d6	6.27	99	307834	25.95	ng	-0.01
23) Nitrobenzene-d5	7.19	82	188106	18.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	56678	22.69	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	298991	15.76	ng	0.00
78) Terphenyl-d14	12.72	244	207089	15.66	ng	-0.01
Target Compounds						Qvalue
35) Caprolactam	8.35	113	12414	4.96	ng	# 1
49) Dimethylphthalate	9.39	163	56628	3.10	ng	# 92
53) 2,4-Dinitrophenol	9.95	184	1501	6.56	ng	# 90
60) 4-Chlorophenyl-phenylether	10.22	204	854	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.32	169	27014	2.12	ng	# 51
74) Fluoranthene	12.34	202	79347	3.52	ng	# 96
76) Benzidine	12.43	184	1137	6.96	ng	# 1
77) Pyrene	12.57	202	91346	3.98	ng	# 99
80) Benzo(a)anthracene	13.76	228	46407	2.50	ng	# 86
82) Chrysene	13.76	228	46407	2.57	ng	# 91
87) Benzo(b)fluoranthene	14.75	252	76259	4.12	ng	# 83
88) Benzo(k)fluoranthene	14.75	252	76259	4.99	ng	# 86
89) Benzo(a)pyrene	15.07	252	40248	2.55	ng	# 84
91) Benzo(g,h,i)perylene	16.75	276	28640	2.14	ng	# 89

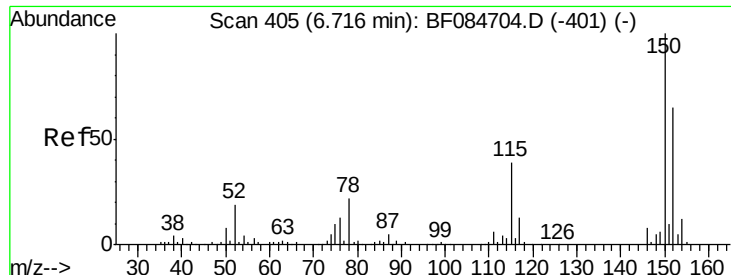
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

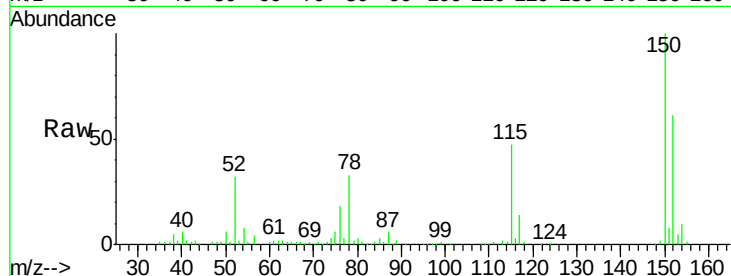
Tgt Ion:152 Resp: 149053

Ion Ratio Lower Upper

152 100

150 164.9 123.0 184.4

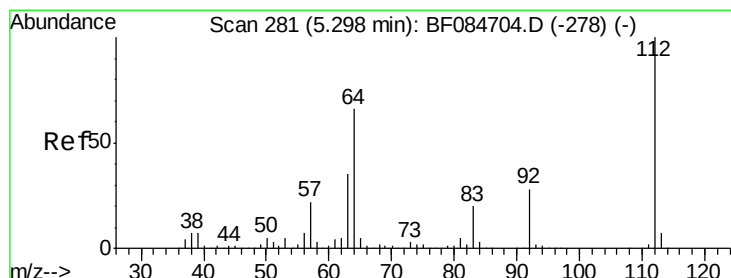
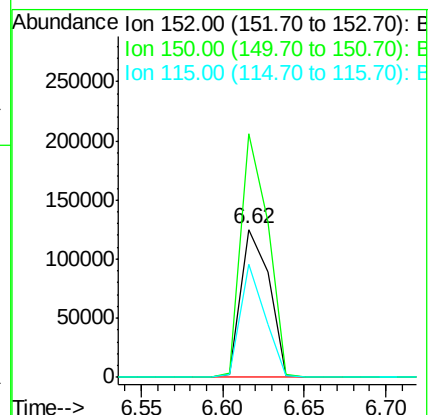
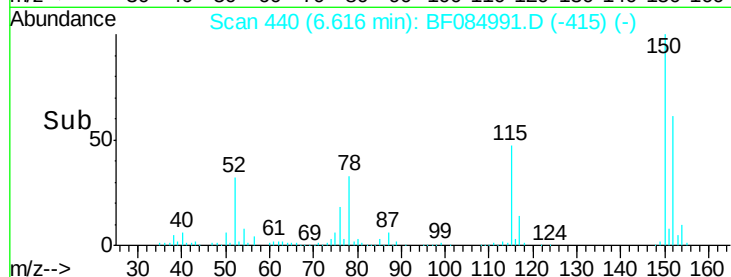
115 77.0 51.4 77.2



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: 26.20 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

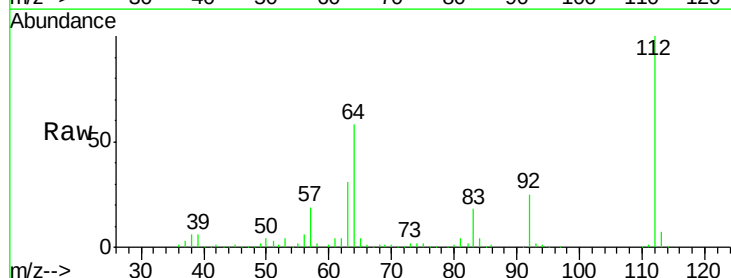
Tgt Ion:112 Resp: 250716

Ion Ratio Lower Upper

112 100

64 58.5 36.6 55.0#

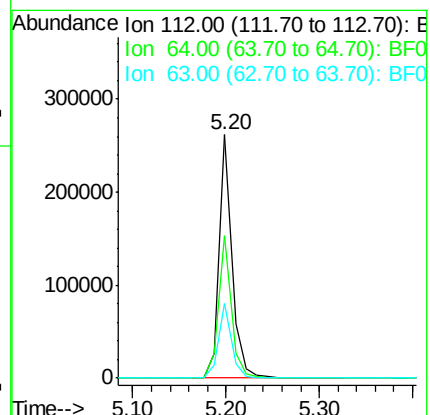
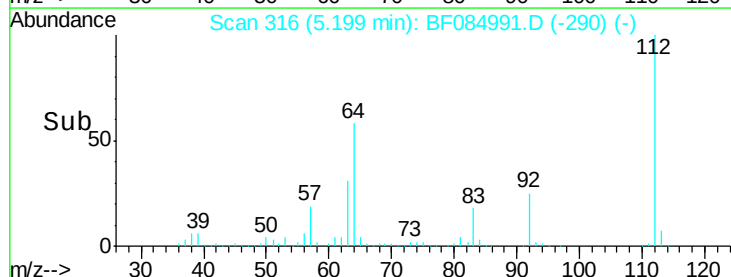
63 30.6 19.4 29.0#

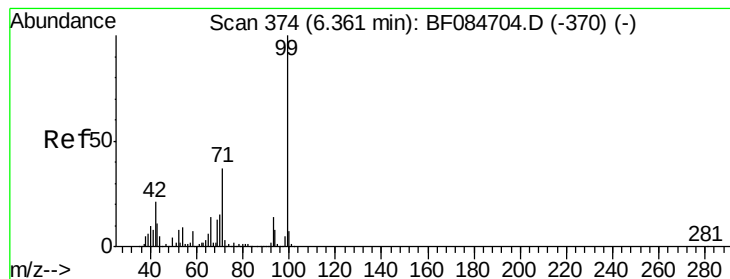


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.95 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

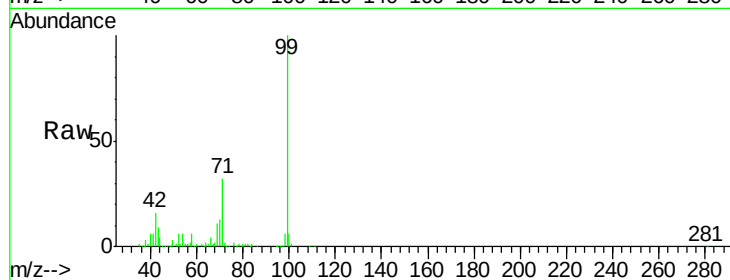
Tgt Ion: 99 Resp: 307834

Ion Ratio Lower Upper

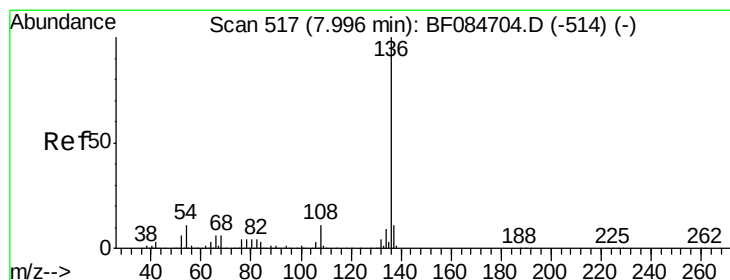
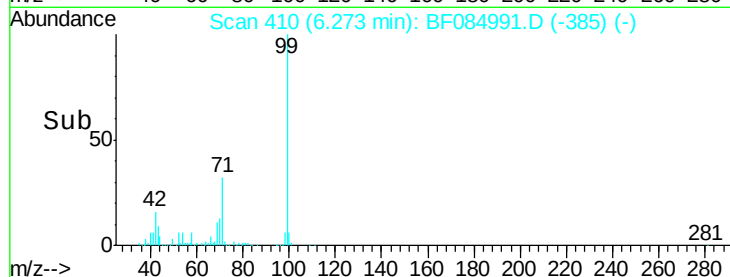
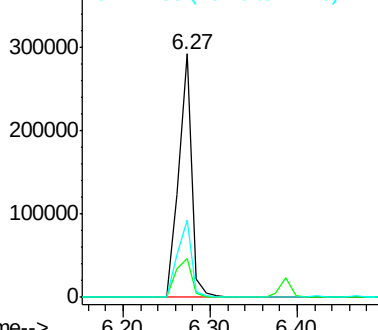
99 100

42 15.7 12.8 19.2

71 31.9 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Tgt Ion: 136 Resp: 582480

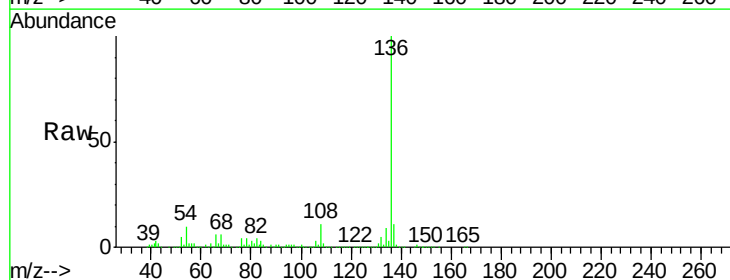
Ion Ratio Lower Upper

136 100

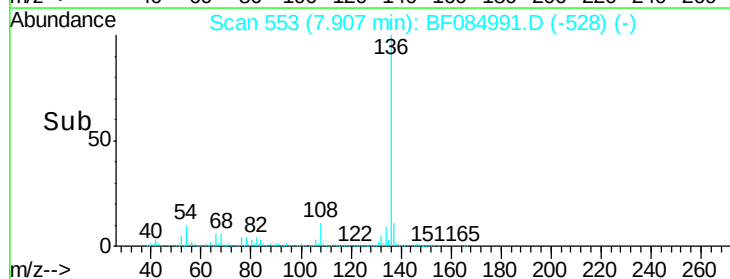
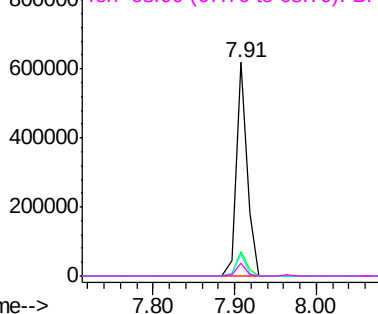
137 11.4 8.7 13.1

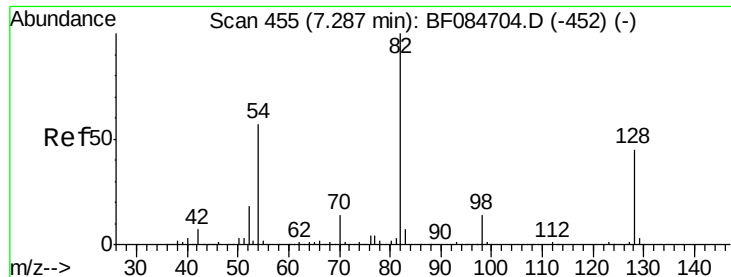
54 10.2 5.8 8.8#

68 5.9 4.2 6.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

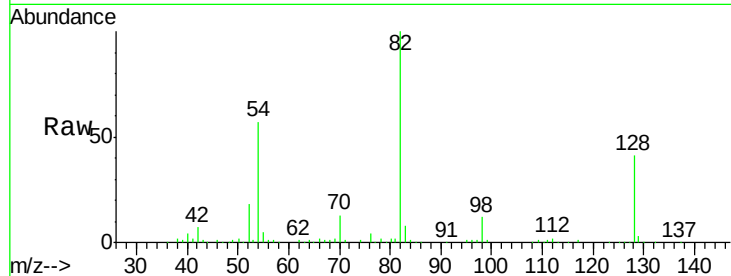




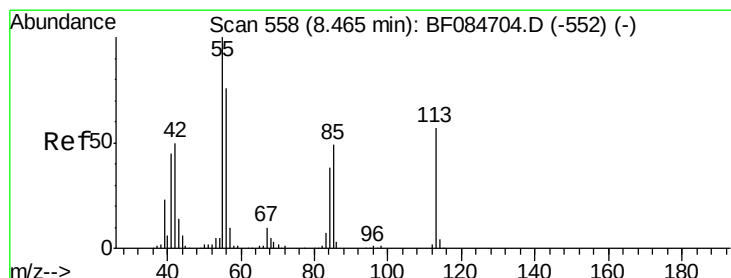
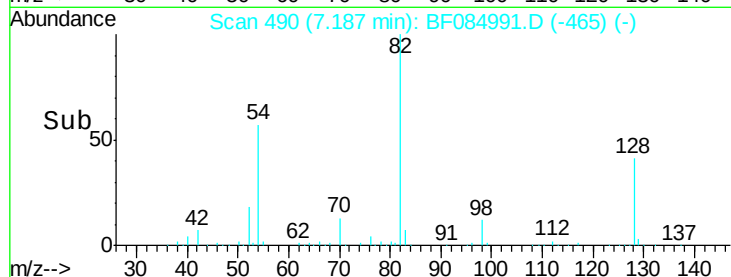
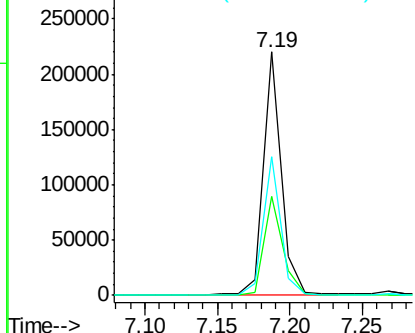
#23
 Nitrobenzene-d5
 Concen: 18.19 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF084991.D
 Acq: 10 Feb 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-7E-(0-2)A

Tgt Ion: 82 Resp: 188106
 Ion Ratio Lower Upper
 82 100
 128 40.5 34.6 51.8
 54 57.1 38.4 57.6

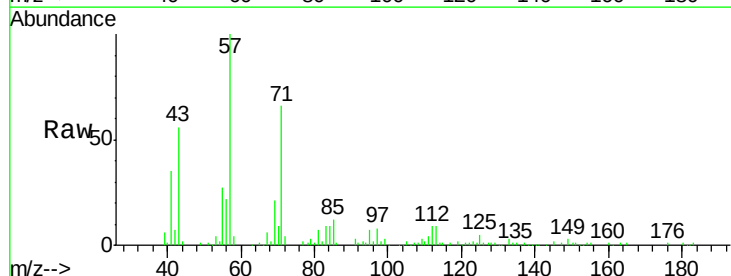


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

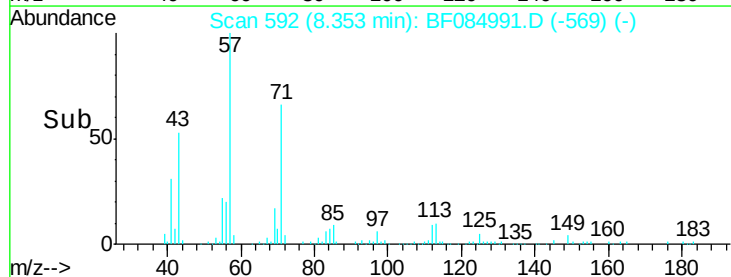
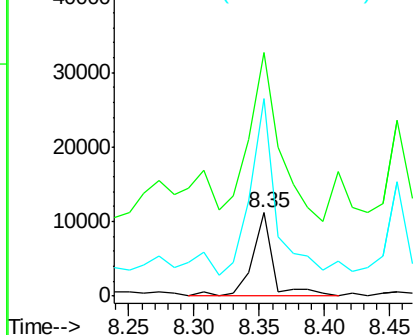


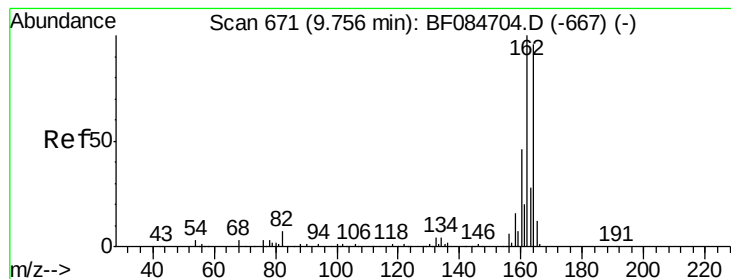
#35
 Caprolactam
 Concen: 4.96 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF084991.D
 Acq: 10 Feb 2016 14:20

Tgt Ion: 113 Resp: 12414
 Ion Ratio Lower Upper
 113 100
 55 291.4 116.9 156.9#
 56 235.9 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): BF0
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

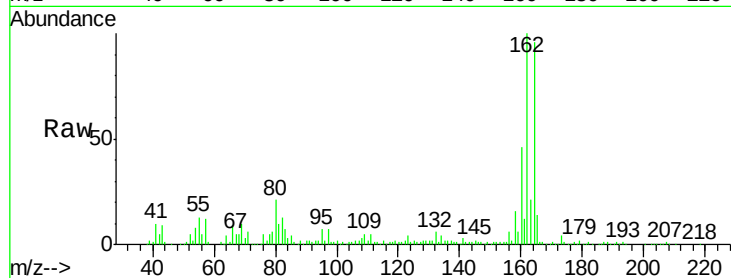
Tgt Ion:164 Resp: 239502

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

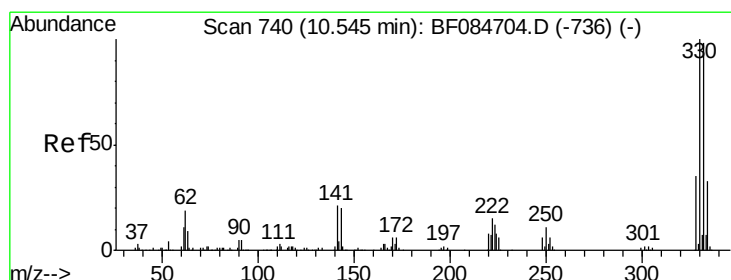
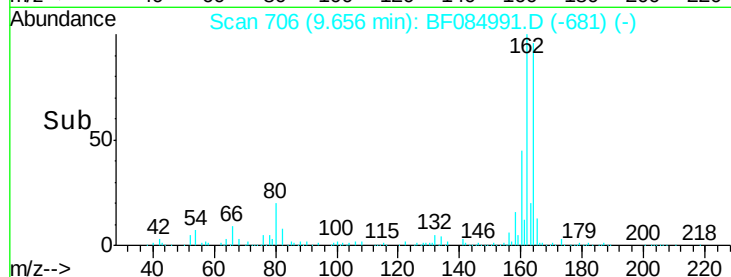
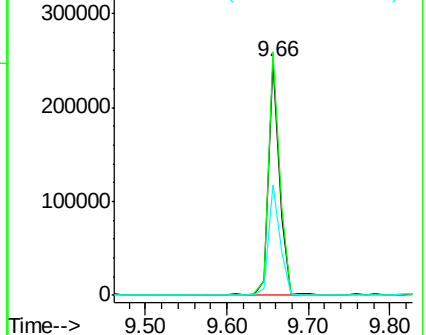
160 47.5 37.5 56.3



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: 22.69 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

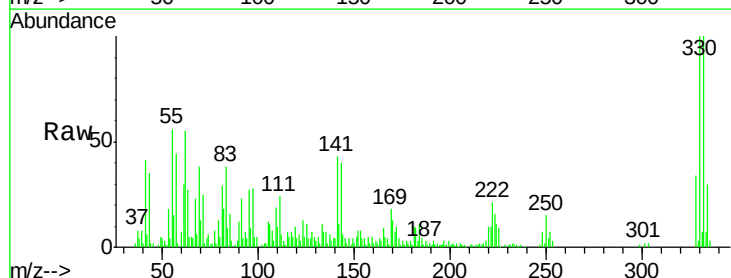
Tgt Ion:330 Resp: 56678

Ion Ratio Lower Upper

330 100

332 98.8 76.6 114.8

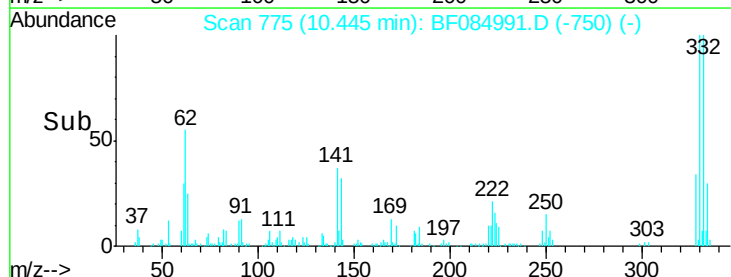
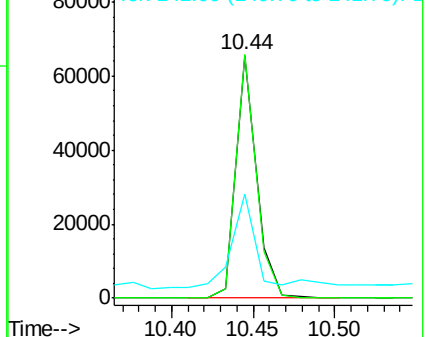
141 41.1 27.8 41.6

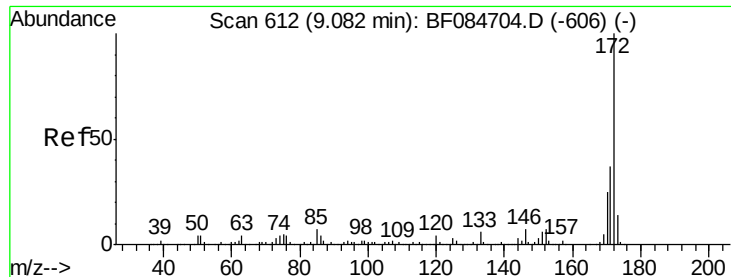


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 15.76 ng

RT: 8.99 min Scan# 648

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

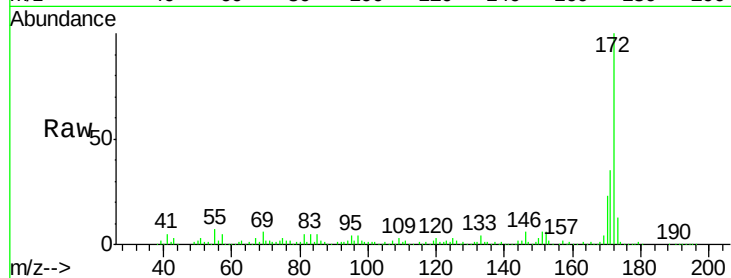
Tgt Ion:172 Resp: 298991

Ion Ratio Lower Upper

172 100

171 35.1 28.9 43.3

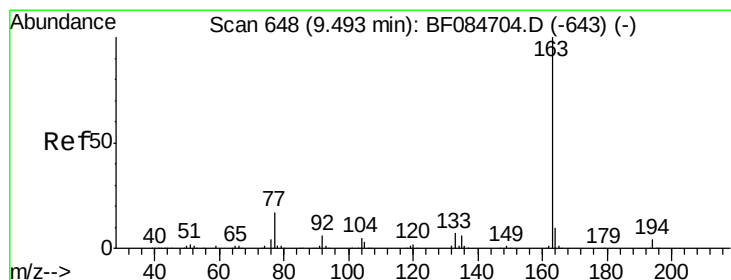
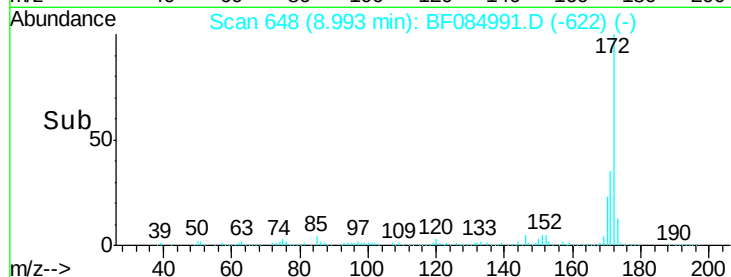
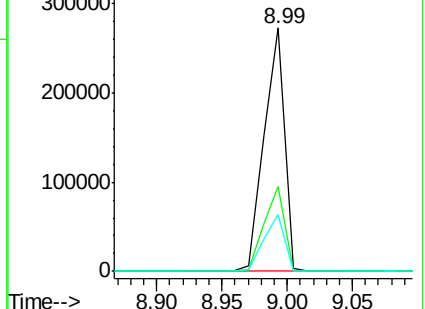
170 23.2 18.6 27.8



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: 3.10 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

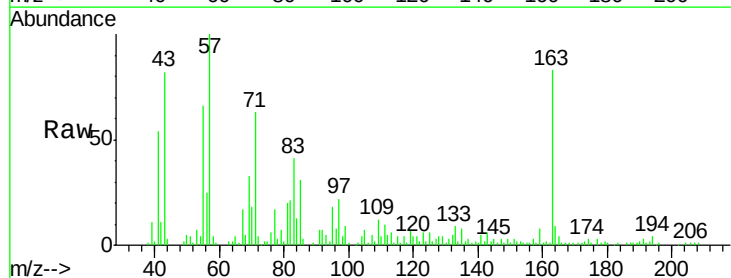
Tgt Ion:163 Resp: 56628

Ion Ratio Lower Upper

163 100

194 5.0 8.0 12.0#

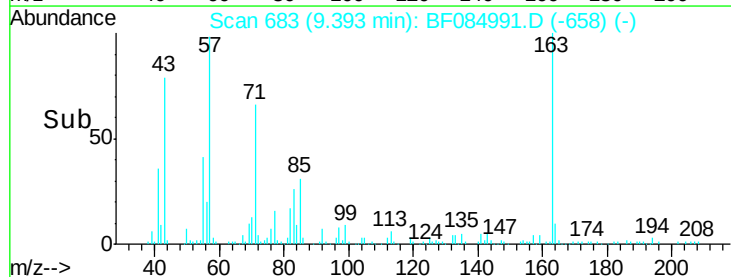
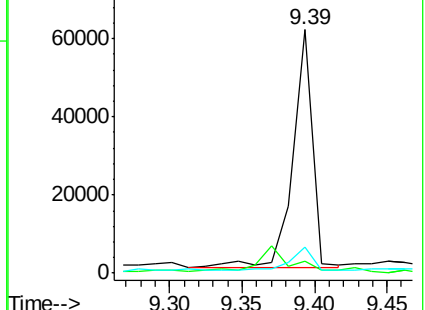
164 10.8 8.0 12.0

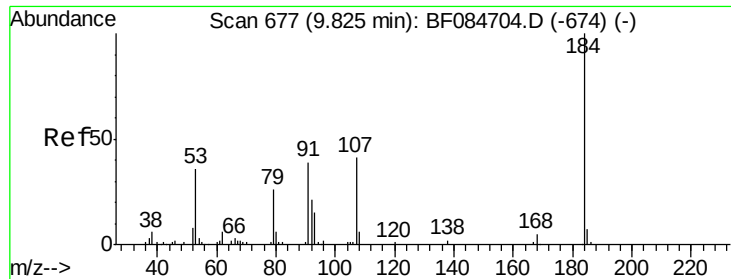


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

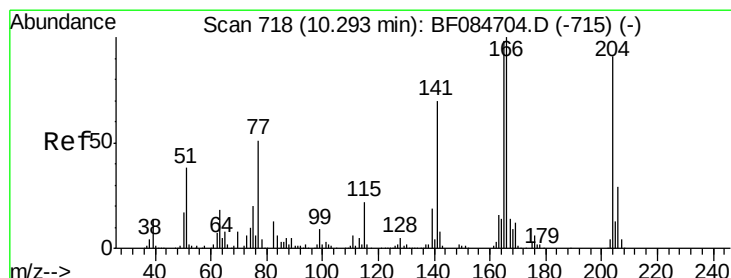
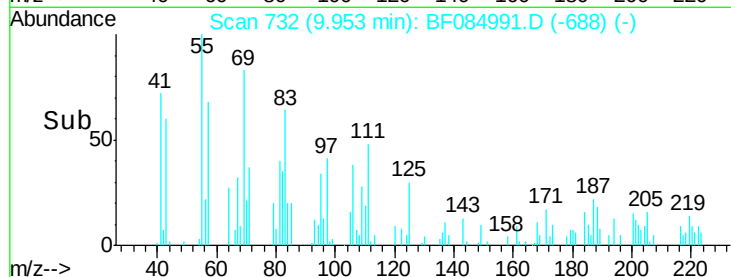
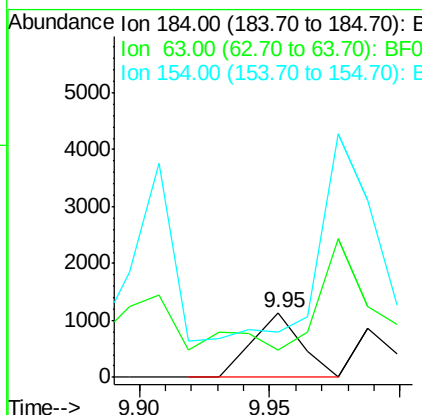
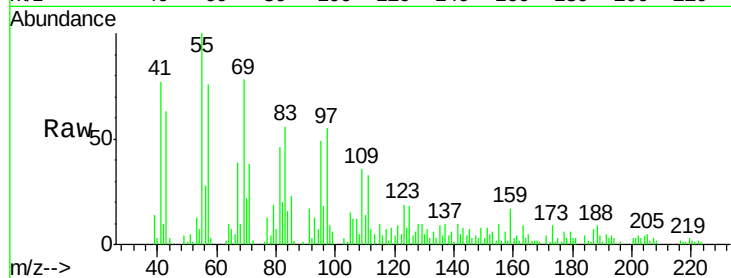




#53
2,4-Dinitrophenol
Concen: 6.56 ng
RT: 9.95 min Scan# 732
Delta R.T. 0.21 min
Lab File: BF084991.D
Acq: 10 Feb 2016 14:20

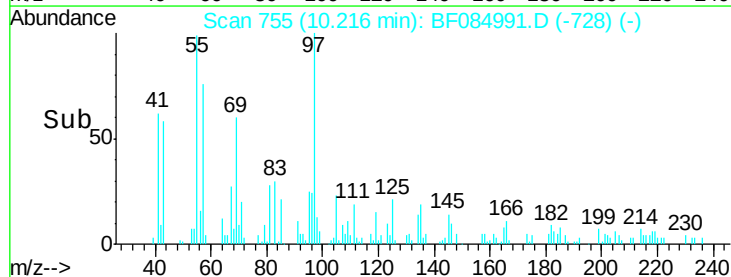
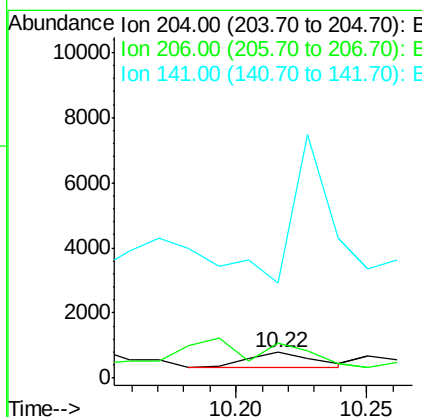
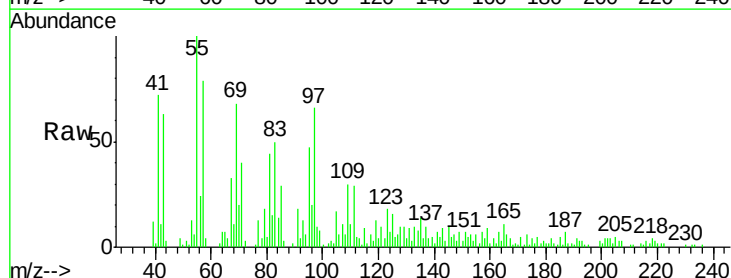
Instrument :
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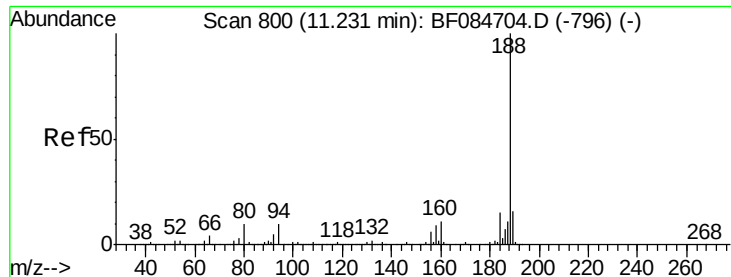
Tgt Ion:184 Resp: 1501
Ion Ratio Lower Upper
184 100
63 42.5 43.1 64.7#
154 70.1 60.5 90.7



#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.22 min Scan# 755
Delta R.T. 0.01 min
Lab File: BF084991.D
Acq: 10 Feb 2016 14:20

Tgt Ion:204 Resp: 854
Ion Ratio Lower Upper
204 100
206 133.4 25.7 38.5#
141 365.4 55.1 82.7#

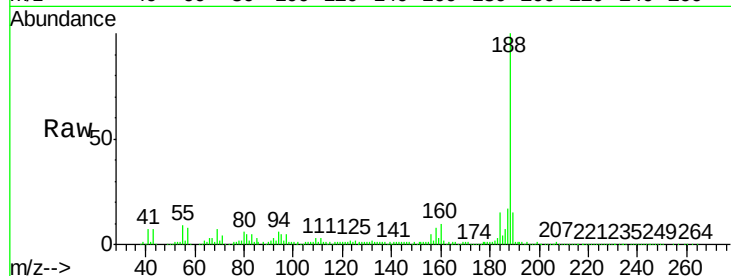




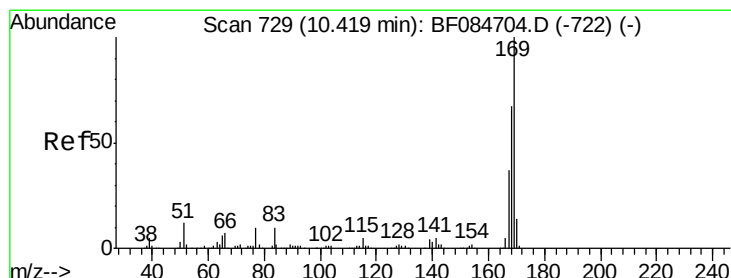
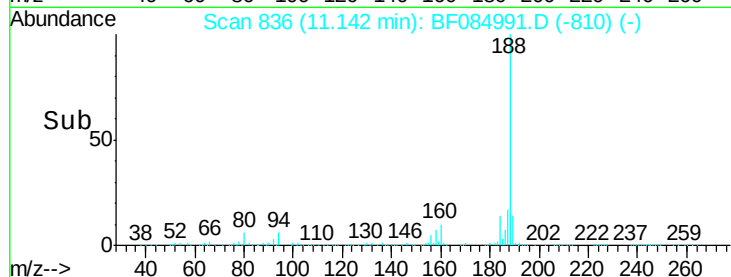
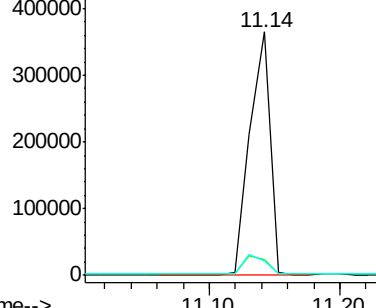
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF084991.D
Acq: 10 Feb 2016 14:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)A

Tgt Ion:188 Resp: 401419
Ion Ratio Lower Upper
188 100
94 6.3 9.0 13.4#
80 6.2 9.6 14.4#

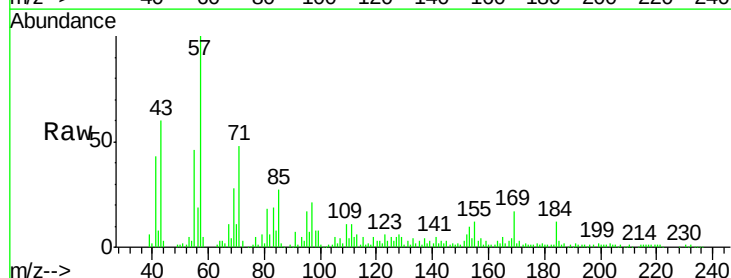


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

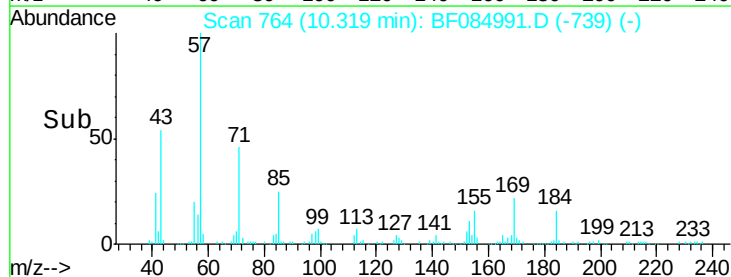
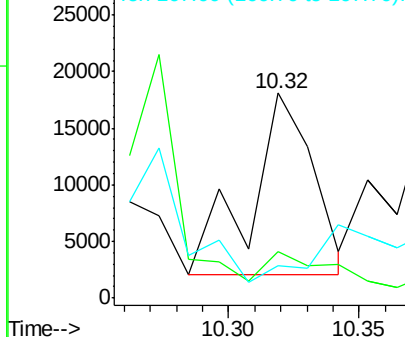


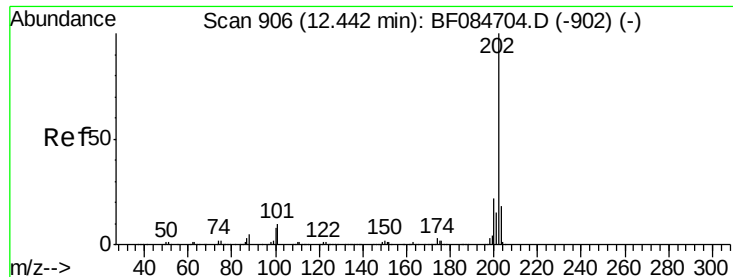
#65
n-Nitrosodiphenylamine
Concen: 2.12 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF084991.D
Acq: 10 Feb 2016 14:20

Tgt Ion:169 Resp: 27014
Ion Ratio Lower Upper
169 100
168 22.8 55.1 82.7#
167 15.9 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#74

Fluoranthene

Concen: 3.52 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

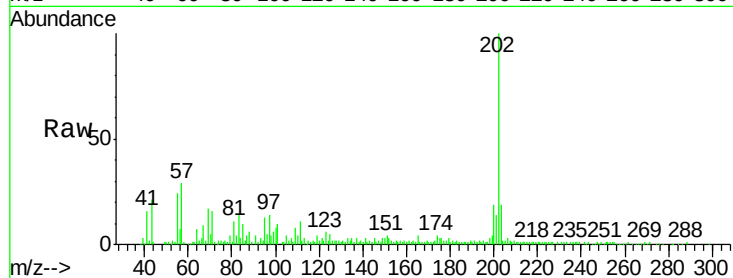
Tgt Ion:202 Resp: 79347

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.8

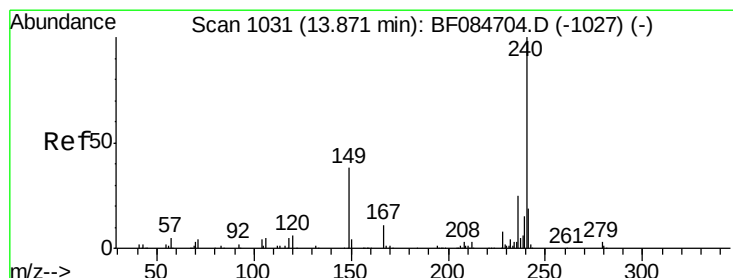
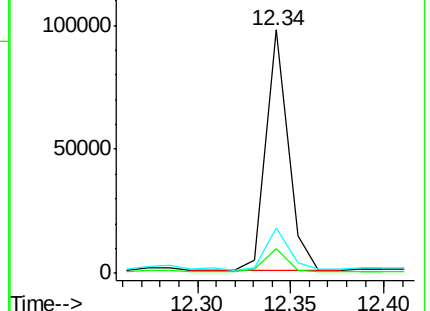
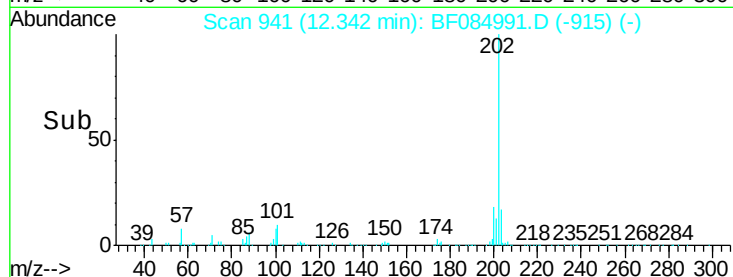
203 18.7 0.0 37.9



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: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

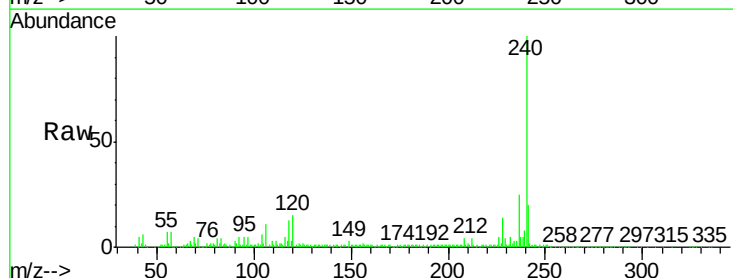
Tgt Ion:240 Resp: 299635

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

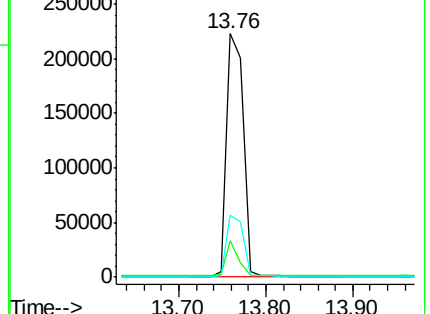
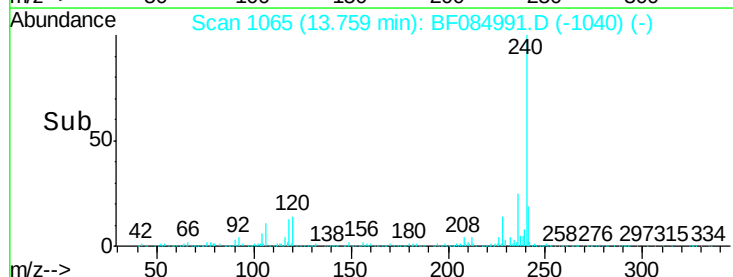
236 25.4 20.6 31.0

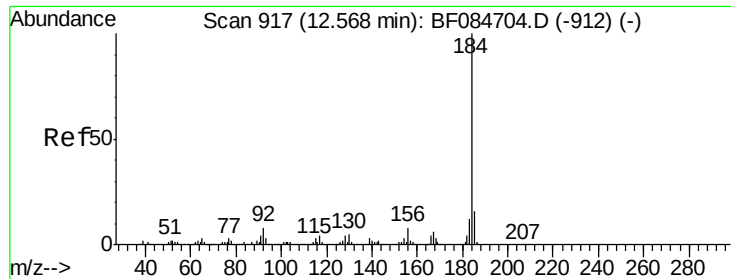


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.96 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.05 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

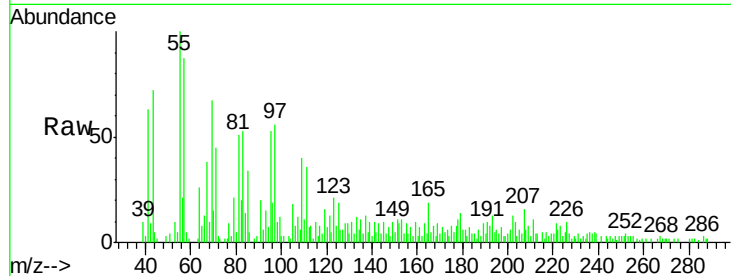
Tgt Ion:184 Resp: 1137

Ion Ratio Lower Upper

184 100

185 100.0 12.2 18.2#

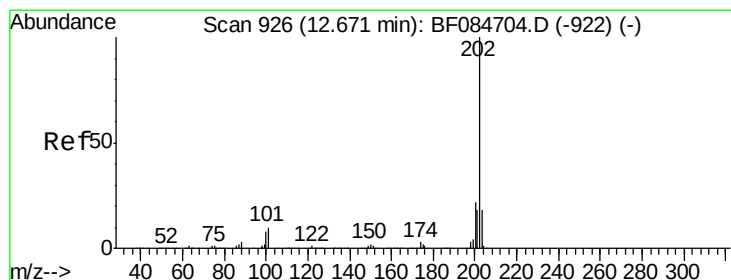
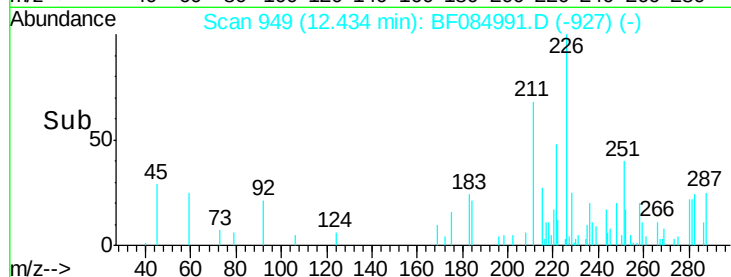
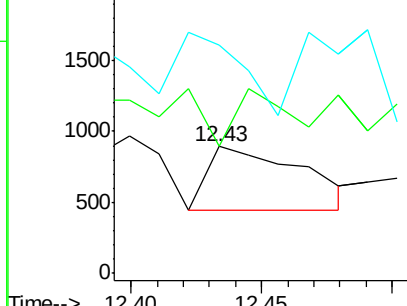
183 179.5 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 3.98 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

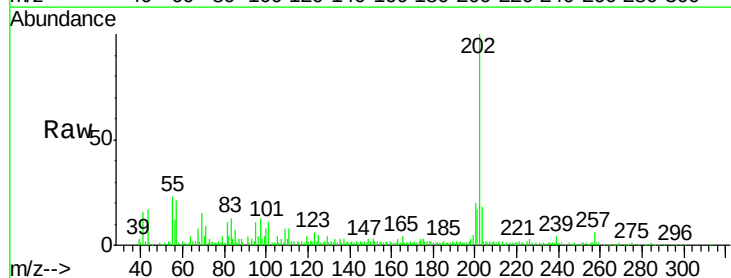
Tgt Ion:202 Resp: 91346

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

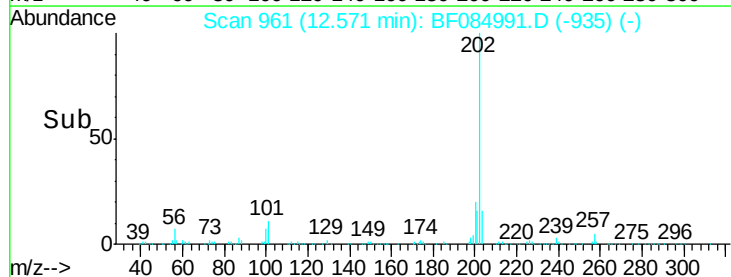
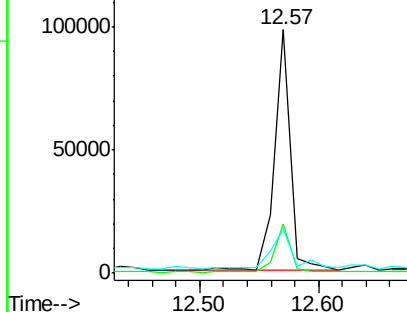
203 18.0 14.3 21.5

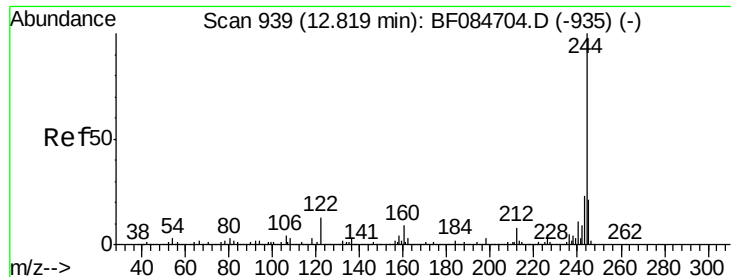


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.66 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

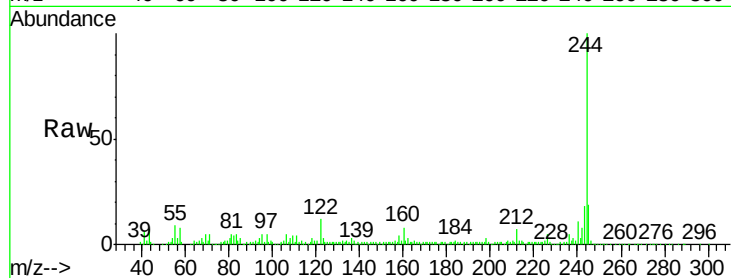
Tgt Ion:244 Resp: 207089

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

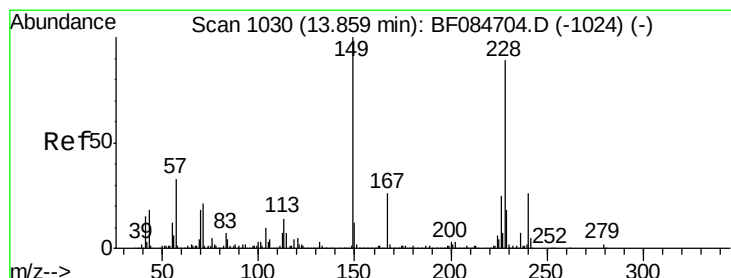
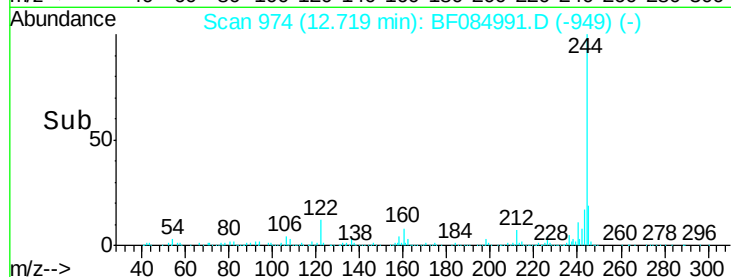
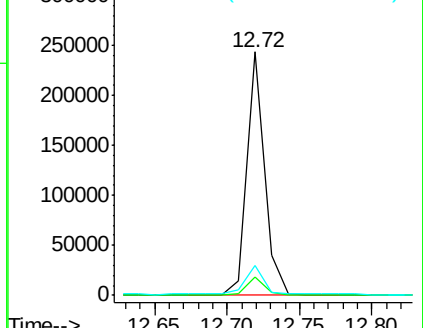
122 12.3 7.4 11.0#



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: 2.50 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

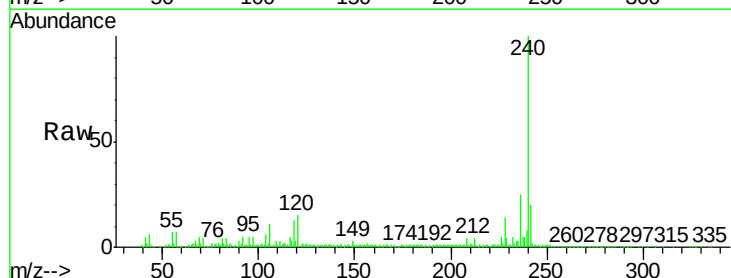
Tgt Ion:228 Resp: 46407

Ion Ratio Lower Upper

228 100

226 33.0 21.8 32.6#

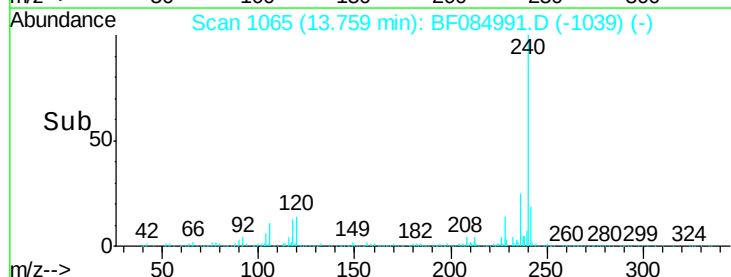
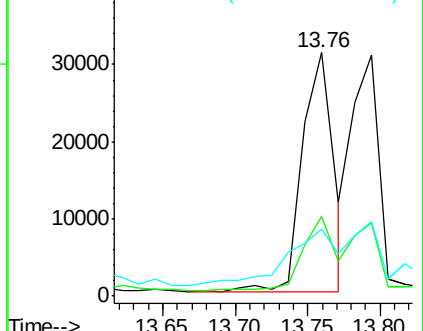
229 27.6 15.8 23.8#

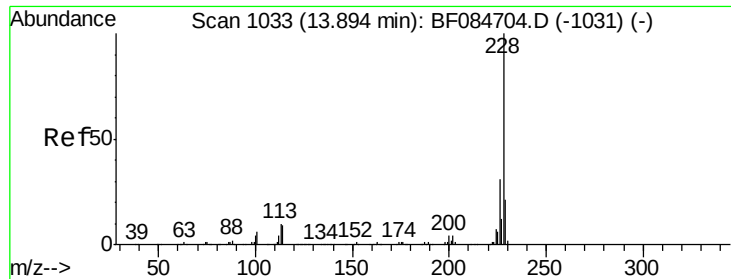


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.57 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

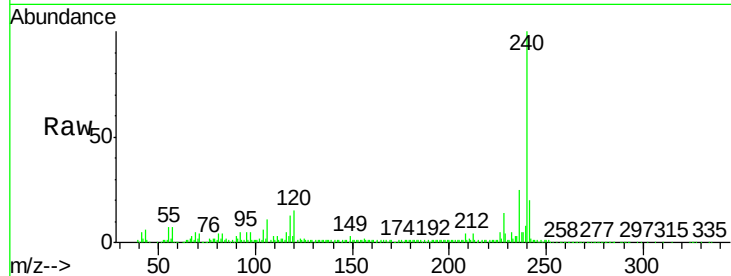
Instrument :

BNA_F

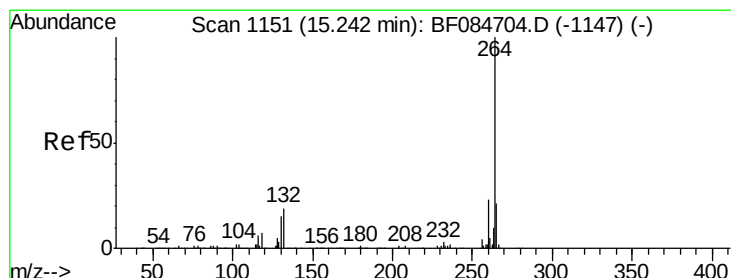
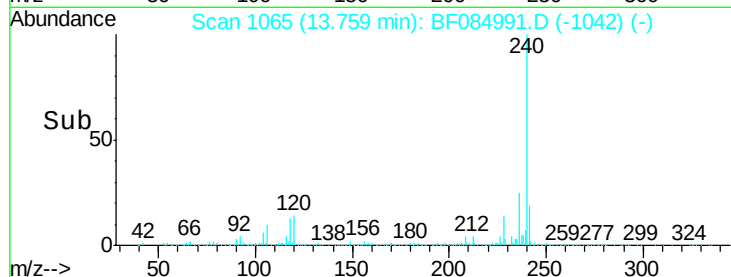
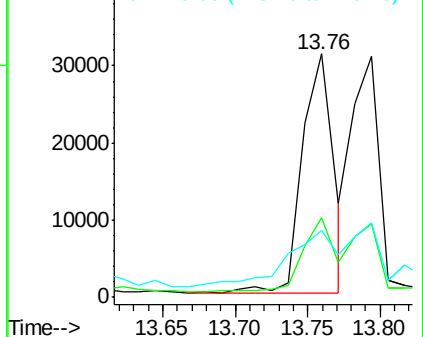
ClientSampleId :

STOCKPILE-7E-(0-2)A

Tgt Ion:228 Resp: 46407
 Ion Ratio Lower Upper
 228 100
 226 33.0 24.3 36.5
 229 27.6 16.1 24.1#



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



#86

Perylene-d12

Concen: 20.00 ng

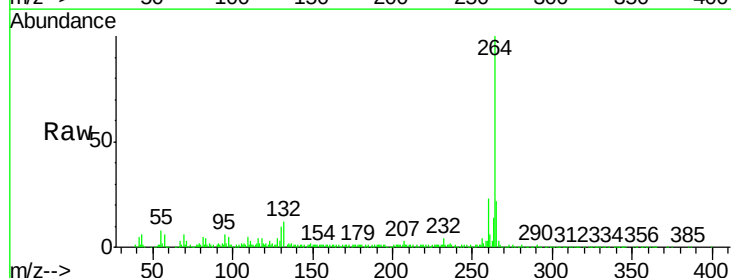
RT: 15.13 min Scan# 1185

Delta R.T. -0.00 min

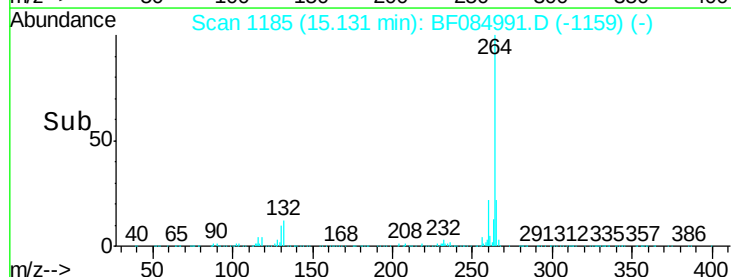
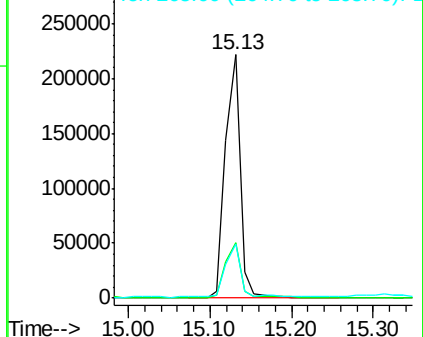
Lab File: BF084991.D

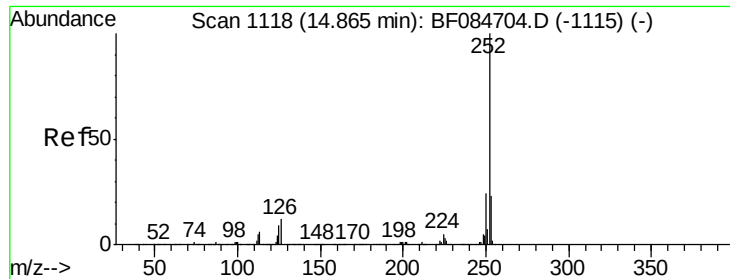
Acq: 10 Feb 2016 14:20

Tgt Ion:264 Resp: 275257
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.4 29.2
 265 22.3 17.8 26.6



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

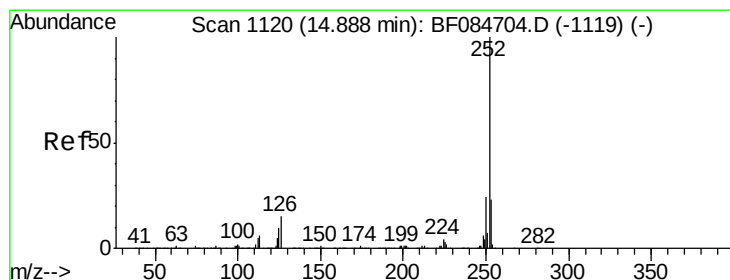
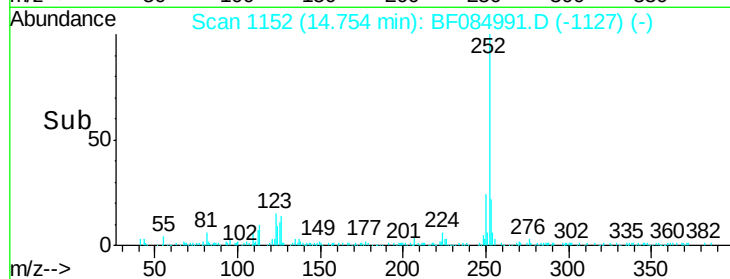
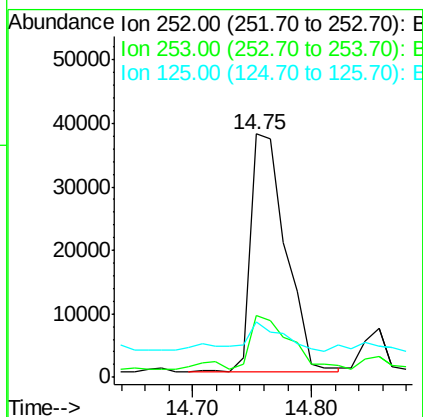
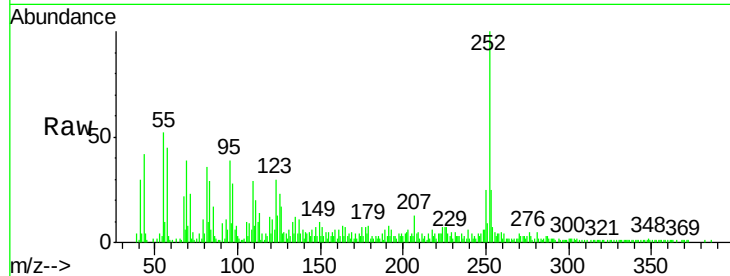




#87
 Benzo(b)fluoranthene
 Concen: 4.12 ng
 RT: 14.75 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF084991.D
 Acq: 10 Feb 2016 14:20

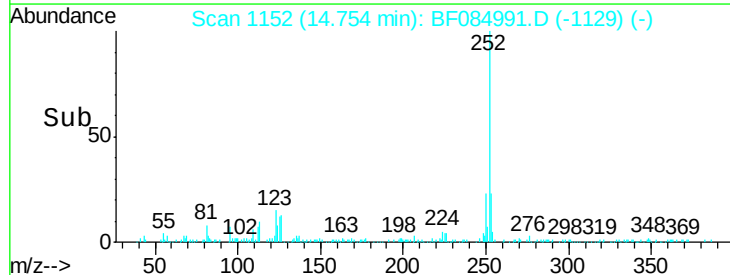
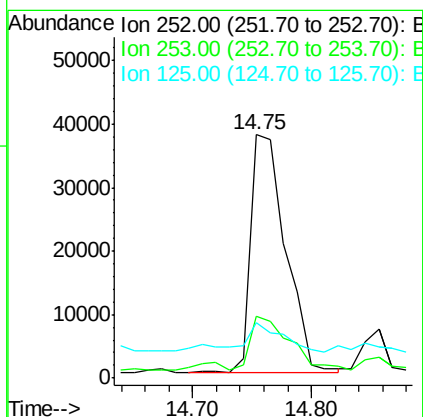
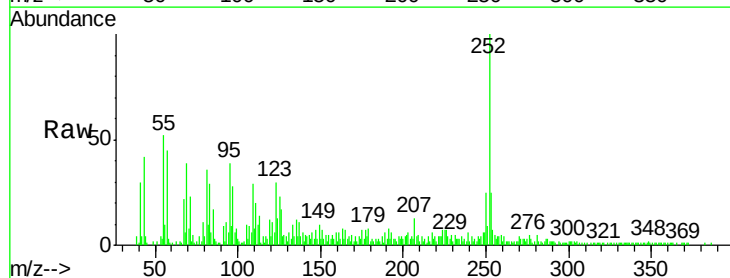
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-7E-(0-2)A

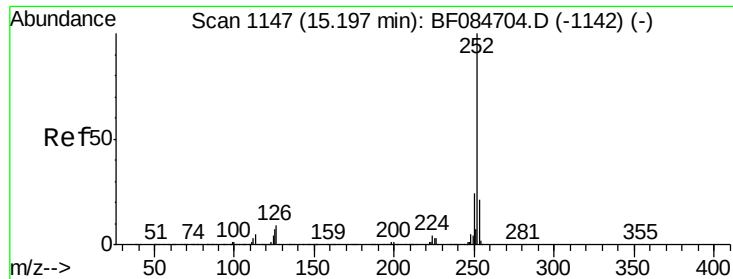
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.3	25.9
125	22.9	6.5	9.7#



#88
 Benzo(k)fluoranthene
 Concen: 4.99 ng
 RT: 14.75 min Scan# 1152
 Delta R.T. -0.03 min
 Lab File: BF084991.D
 Acq: 10 Feb 2016 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	22.9	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.55 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)A

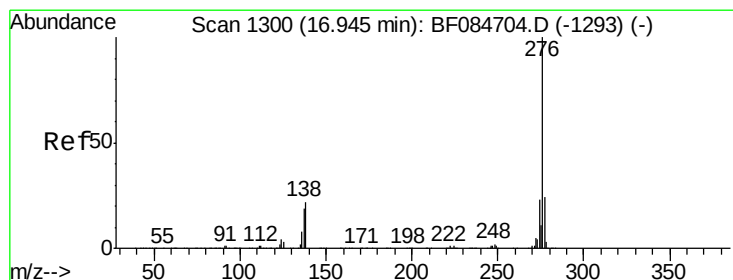
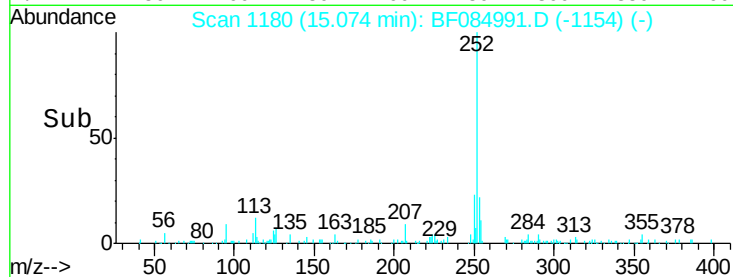
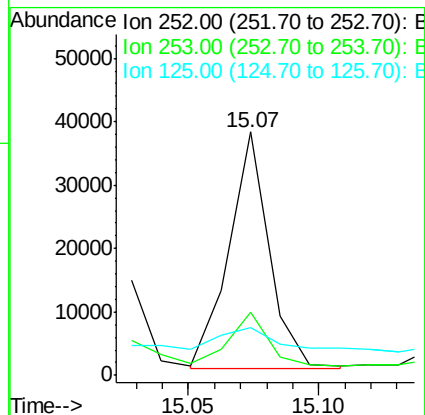
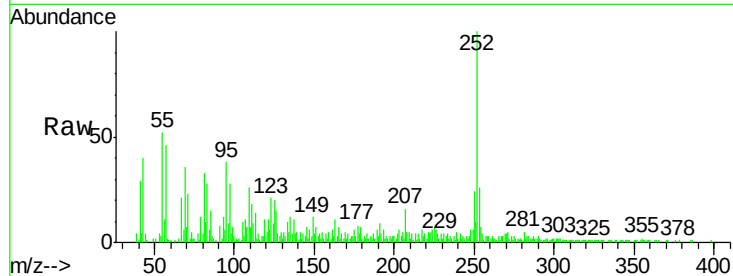
Tgt Ion: 252 Resp: 40248

Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

125 19.8 7.0 10.4#



#91

Benzo(g,h,i)perylene

Concen: 2.14 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF084991.D

Acq: 10 Feb 2016 14:20

Tgt Ion: 276 Resp: 28640

Ion Ratio Lower Upper

276 100

277 30.8 18.8 28.2#

138 25.8 17.8 26.6

