

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084992.D
 Acq On : 10 Feb 2016 14:48
 Operator : SJ/IZ
 Sample : H1392-05 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 10 16:32:50 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	148380	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	581414	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	237662	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	402261	20.00	ng	0.00
75) Chrysene-d12	13.77	240	309555	20.00	ng	0.00
86) Perylene-d12	15.13	264	286128	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	256730	26.95	ng	0.00
7) Phenol-d6	6.27	99	308274	26.10	ng	-0.01
23) Nitrobenzene-d5	7.19	82	196226	19.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	58442	23.57	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	303621	16.17	ng	0.00
78) Terphenyl-d14	12.72	244	207597	15.20	ng	-0.01

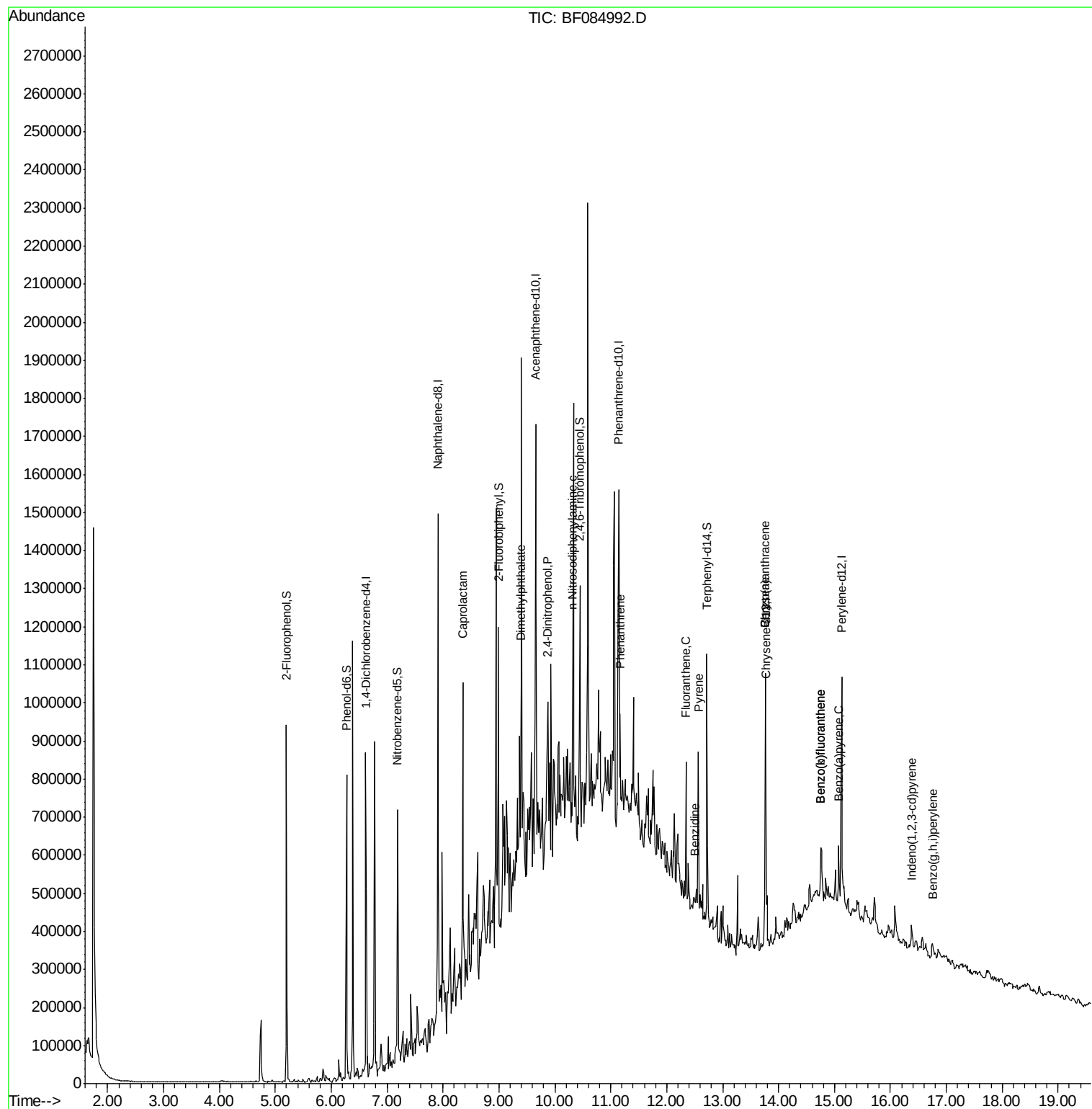
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	8.35	113	17362	6.94	ng	# 1
49) Dimethylphthalate	9.39	163	65054	3.59	ng	# 90
53) 2,4-Dinitrophenol	9.87	184	706	6.16	ng	# 1
60) 4-Chlorophenyl-phenylether	10.20	204	931	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.32	169	43326	3.39	ng	# 52
70) Phenanthrene	11.17	178	81180	3.64	ng	# 93
74) Fluoranthene	12.34	202	133933	5.93	ng	# 98
76) Benzidine	12.50	184	633	6.93	ng	# 1
77) Pyrene	12.57	202	151712	6.40	ng	# 98
80) Benzo(a)anthracene	13.76	228	71515	3.72	ng	# 94
82) Chrysene	13.76	228	71515	3.84	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.38	276	33961	2.32	ng	# 97
87) Benzo(b)fluoranthene	14.75	252	98982	5.15	ng	# 87
88) Benzo(k)fluoranthene	14.75	252	98846	6.22	ng	# 90
89) Benzo(a)pyrene	15.07	252	56362	3.44	ng	# 88
91) Benzo(g,h,i)perylene	16.75	276	32663	2.35	ng	# 92

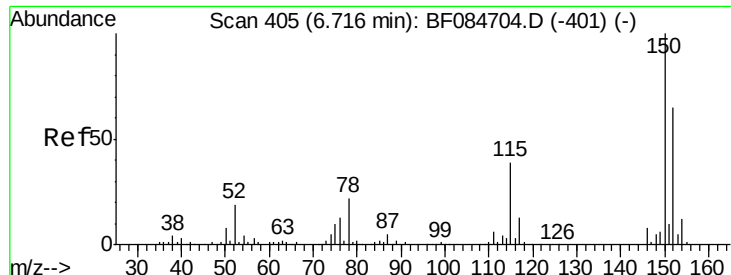
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

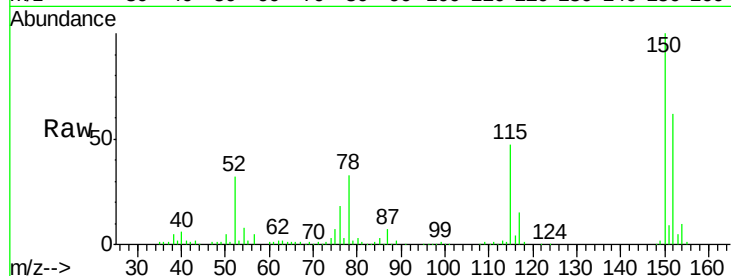
Tgt Ion:152 Resp: 148380

Ion Ratio Lower Upper

152 100

150 161.4 123.0 184.4

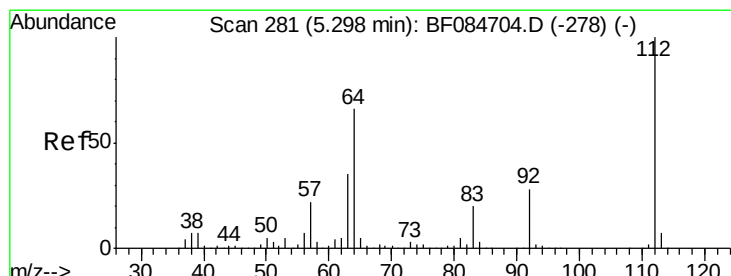
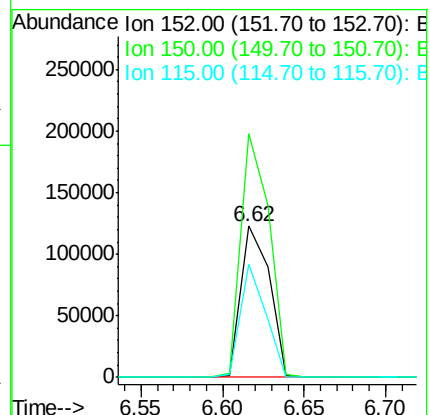
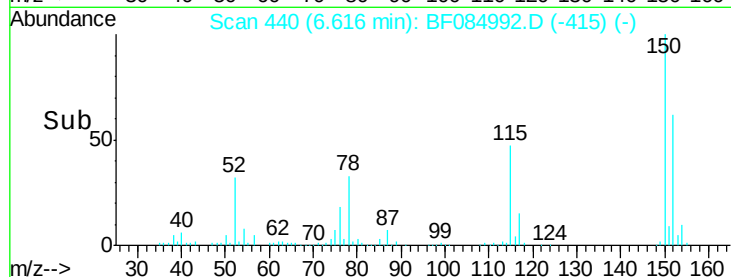
115 75.3 51.4 77.2



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: 26.95 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

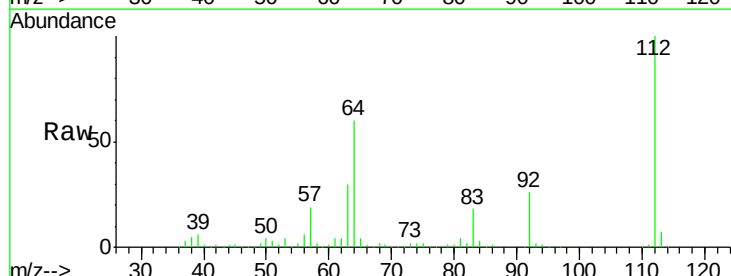
Tgt Ion:112 Resp: 256730

Ion Ratio Lower Upper

112 100

64 59.9 36.6 55.0#

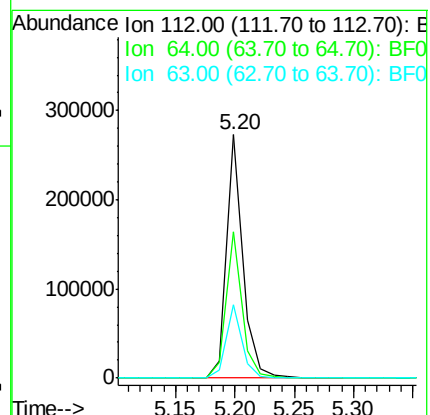
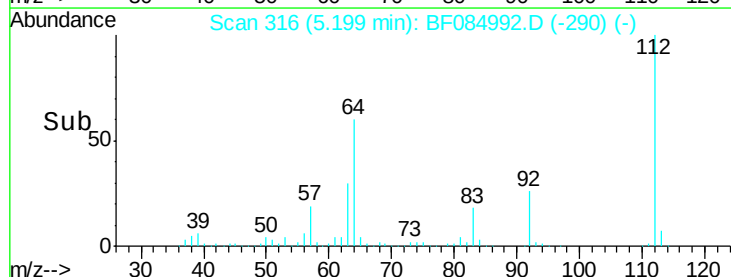
63 30.3 19.4 29.0#

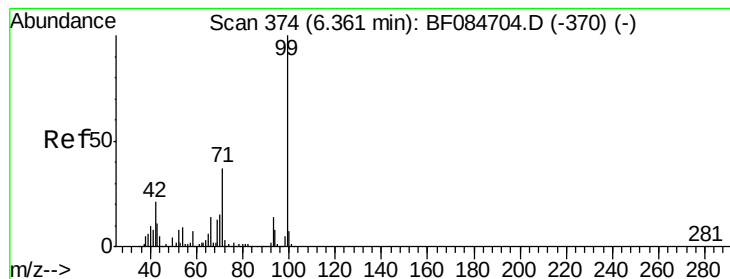


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.10 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

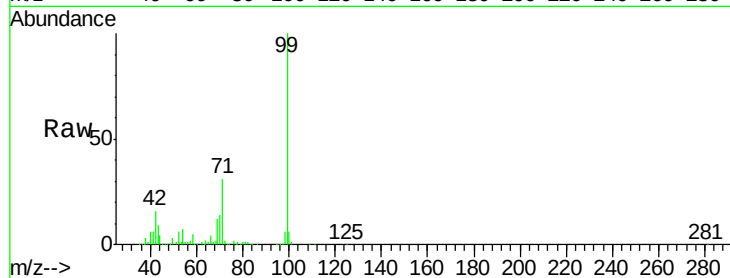
Tgt Ion: 99 Resp: 308274

Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

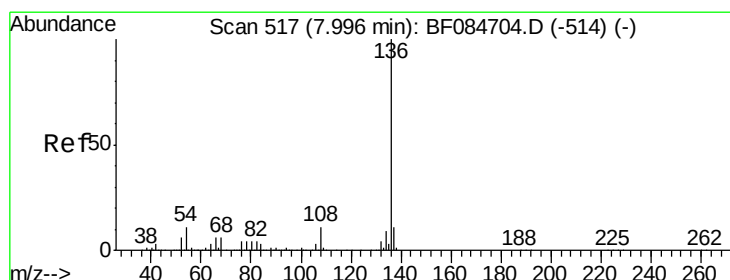
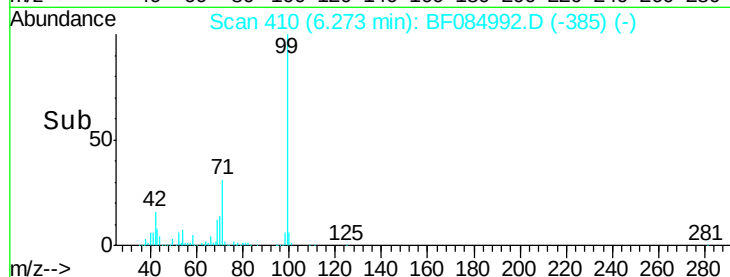
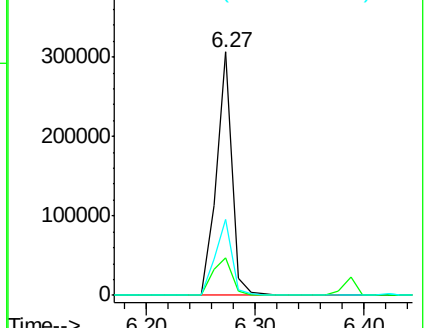
71 31.2 30.9 46.3



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: BF084992.D

Acq: 10 Feb 2016 14:48

Tgt Ion: 136 Resp: 581414

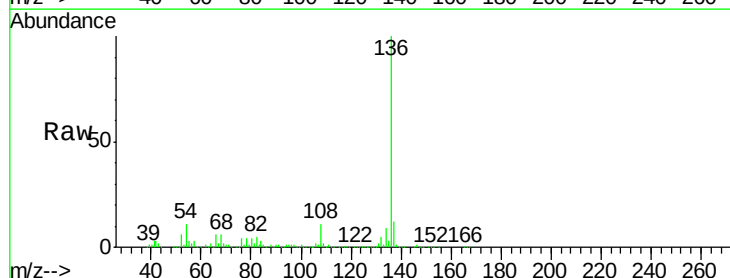
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 11.0 5.8 8.8#

68 6.0 4.2 6.2

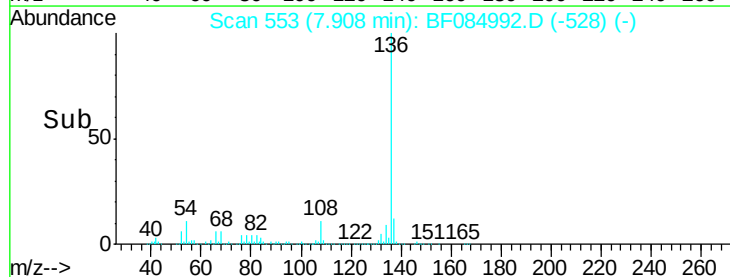
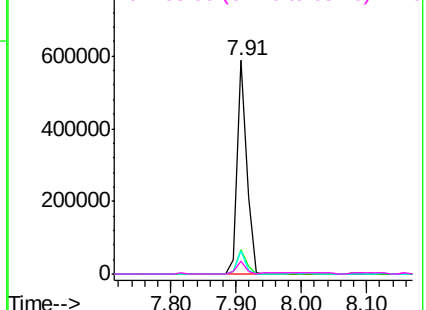


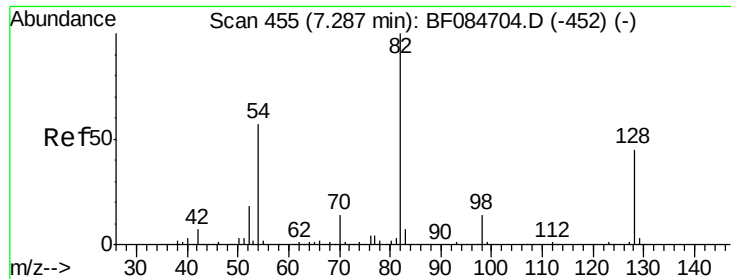
Abundance Ion 136.00 (135.70 to 136.70): E

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

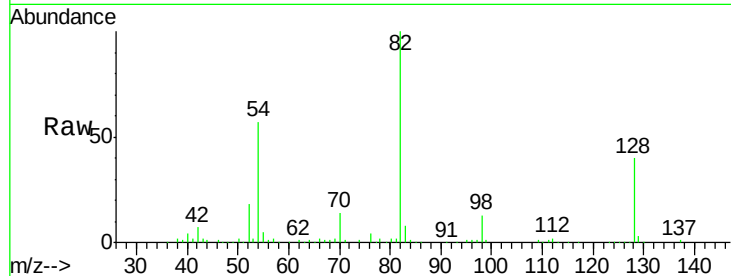




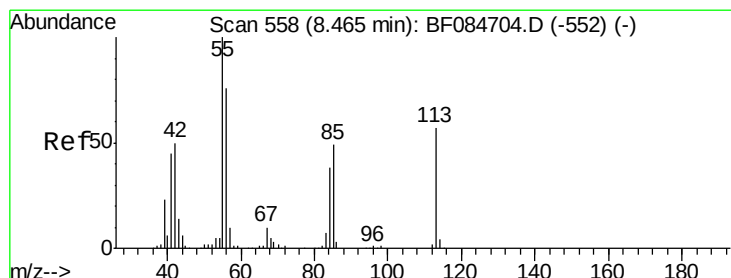
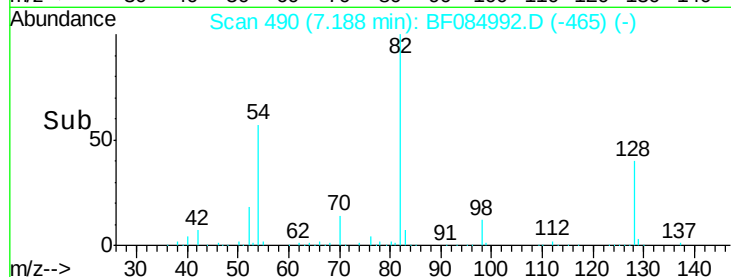
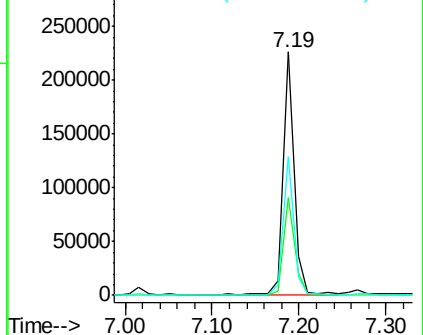
#23
 Nitrobenzene-d5
 Concen: 19.01 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.6	51.8
54	57.0	38.4	57.6

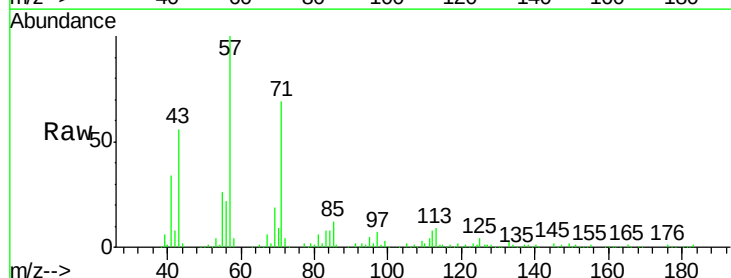


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

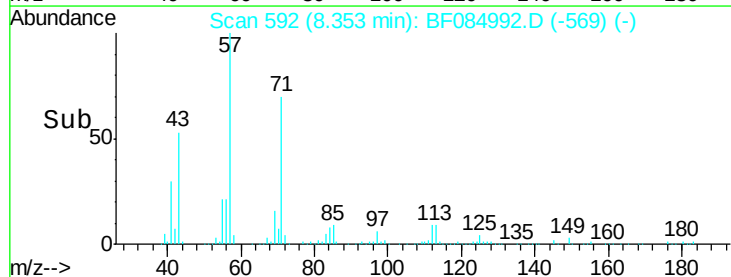
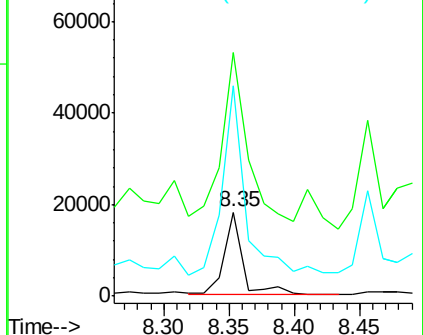


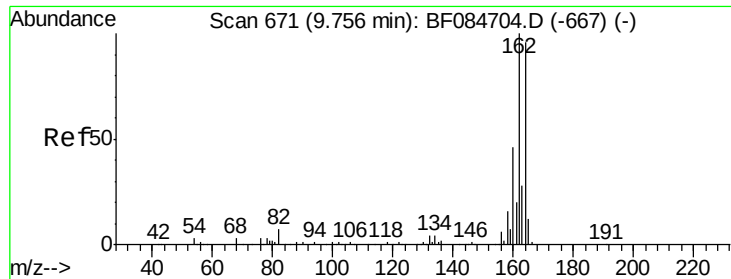
#35
 Caprolactam
 Concen: 6.94 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

Tgt Ion	Ratio	Lower	Upper
113	100		
55	290.5	116.9	156.9#
56	251.4	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: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

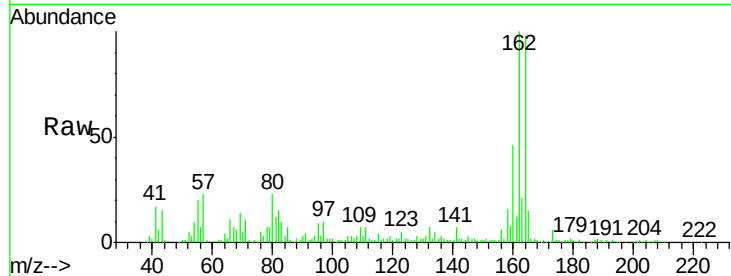
Tgt Ion:164 Resp: 237662

Ion Ratio Lower Upper

164 100

162 101.8 85.1 127.7

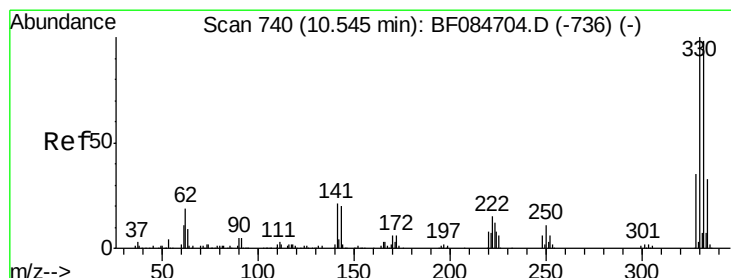
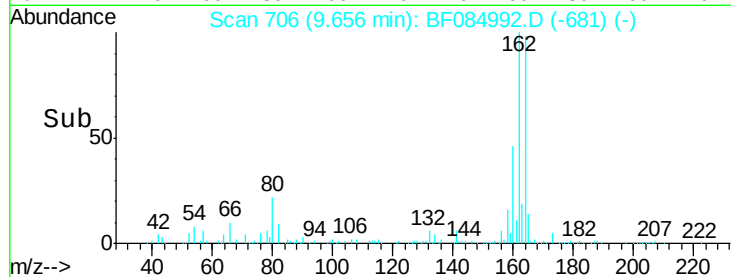
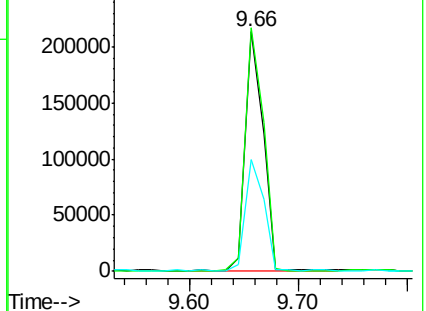
160 46.8 37.5 56.3



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: 23.57 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

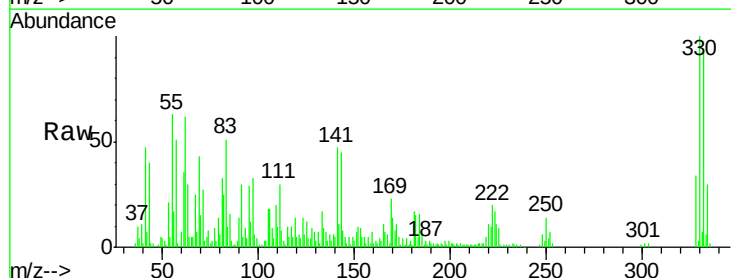
Tgt Ion:330 Resp: 58442

Ion Ratio Lower Upper

330 100

332 93.9 76.6 114.8

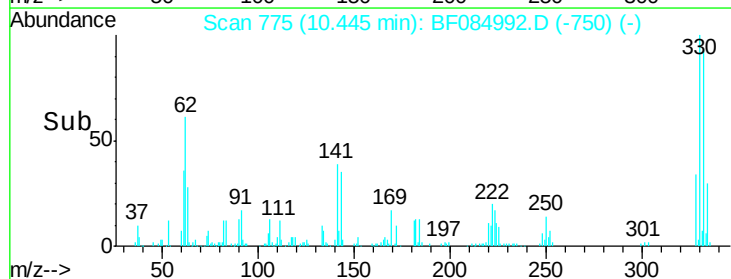
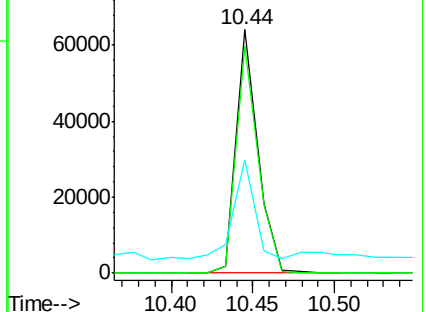
141 37.8 27.8 41.6

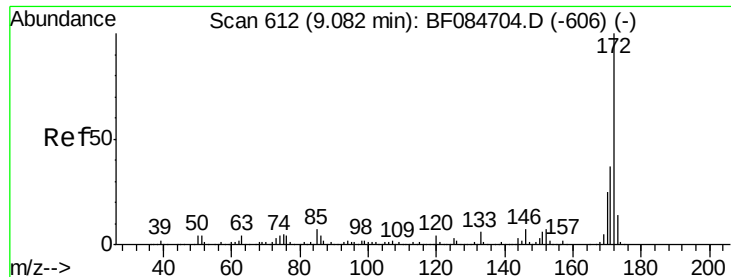


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 16.17 ng

RT: 8.99 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

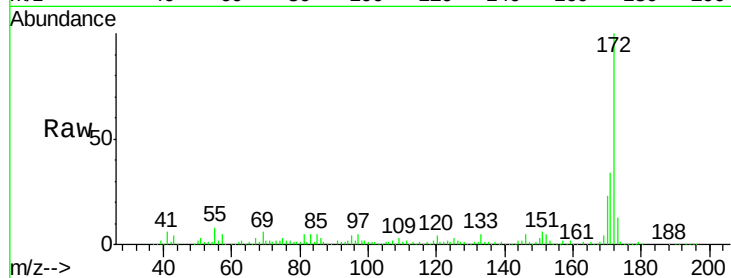
Tgt Ion:172 Resp: 303621

Ion Ratio Lower Upper

172 100

171 33.7 28.9 43.3

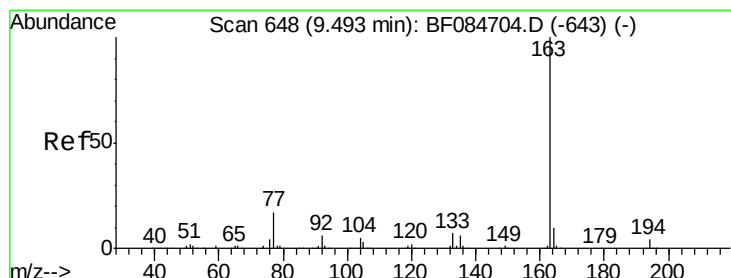
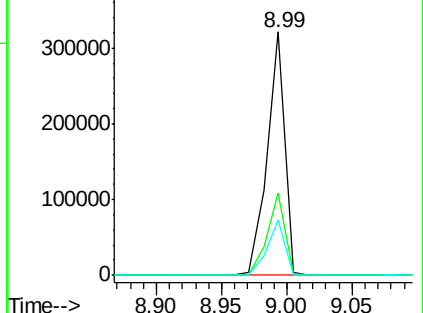
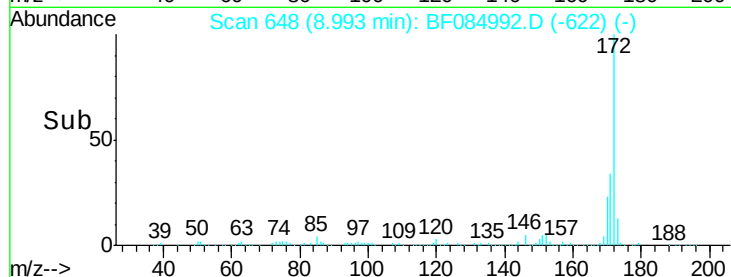
170 22.8 18.6 27.8



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: 3.59 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

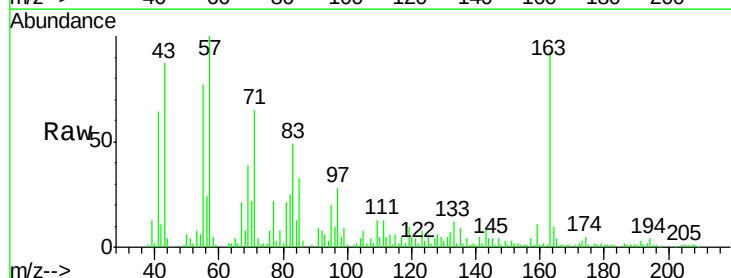
Tgt Ion:163 Resp: 65054

Ion Ratio Lower Upper

163 100

194 3.8 8.0 12.0#

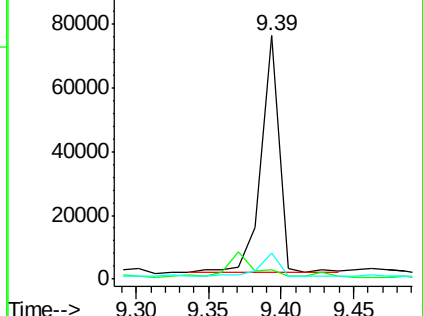
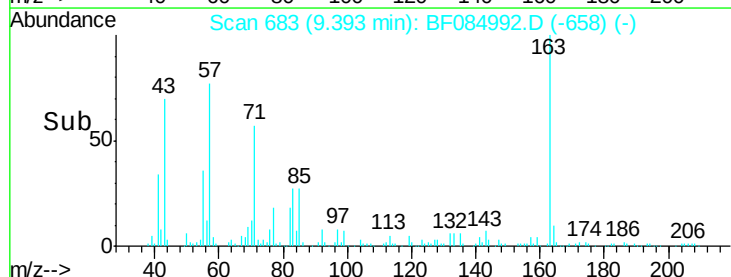
164 10.9 8.0 12.0

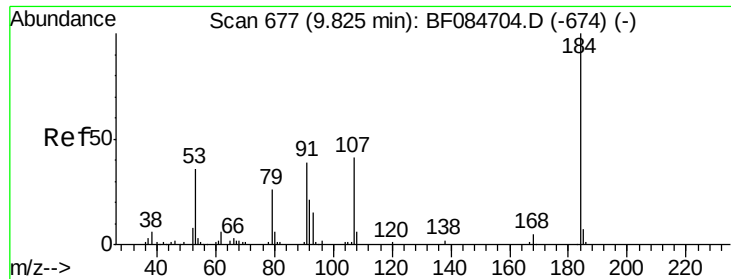


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

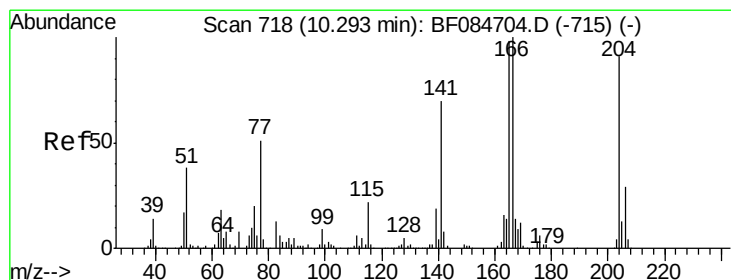
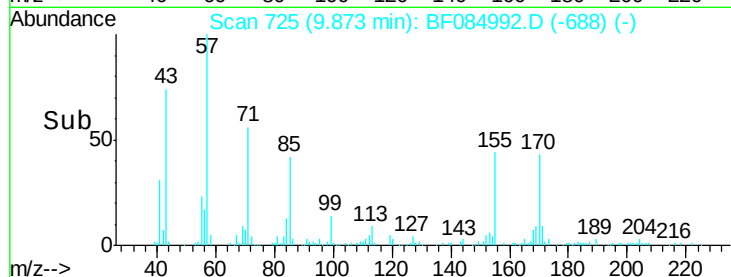
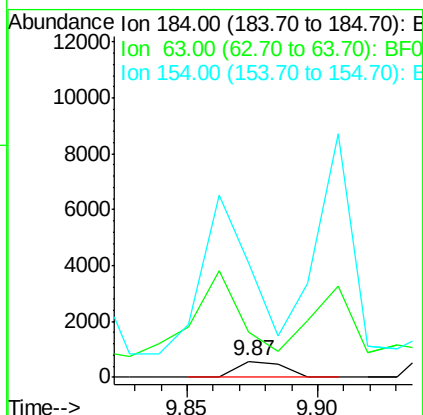
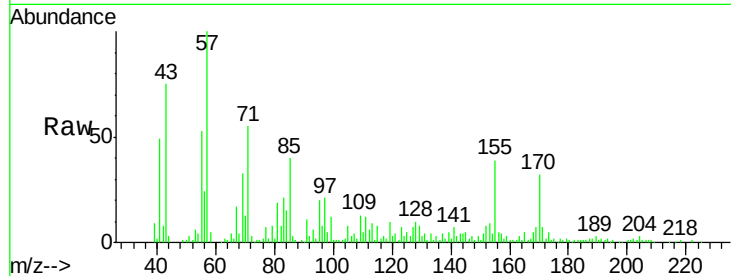




#53
 2,4-Dinitrophenol
 Concen: 6.16 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.13 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

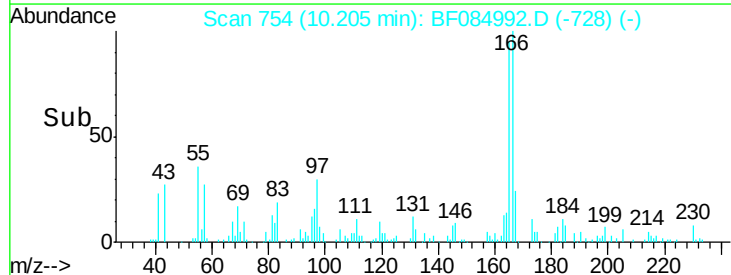
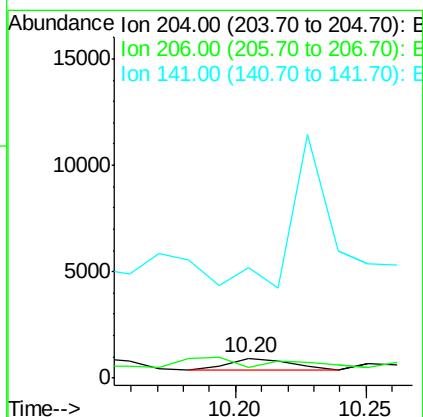
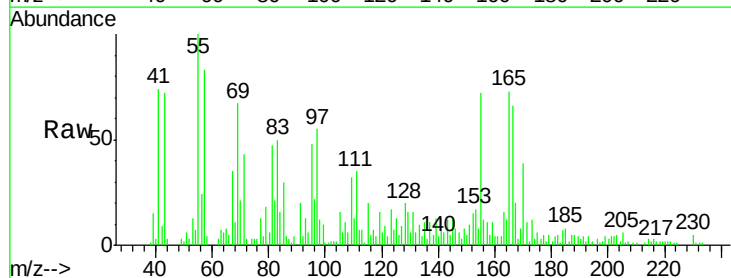
Instrument :
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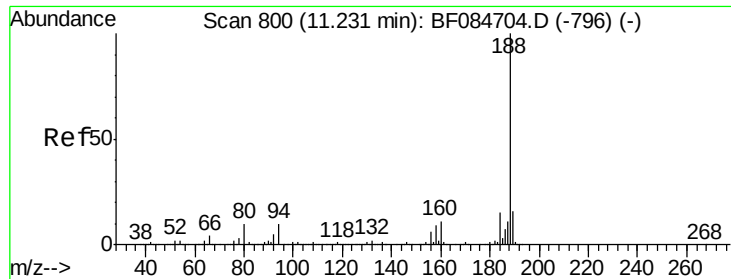
Tgt Ion:184 Resp: 706
 Ion Ratio Lower Upper
 184 100
 63 284.2 43.1 64.7#
 154 711.6 60.5 90.7#



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.20 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

Tgt Ion:204 Resp: 931
 Ion Ratio Lower Upper
 204 100
 206 53.8 25.7 38.5#
 141 564.9 55.1 82.7#

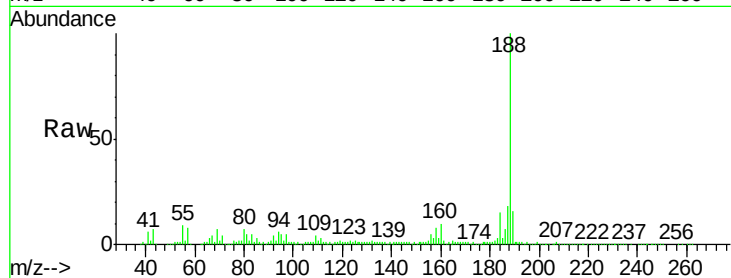




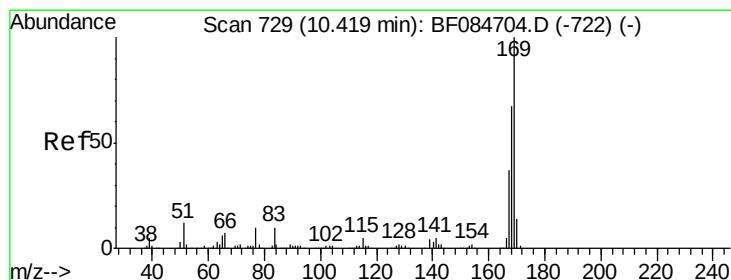
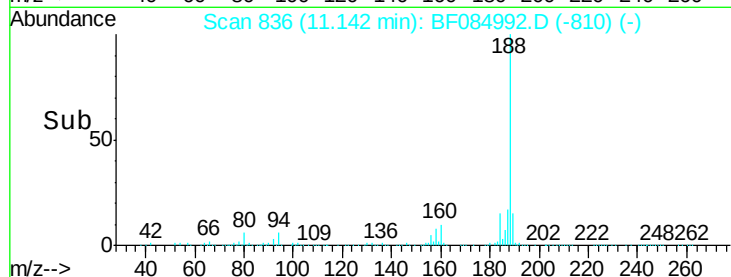
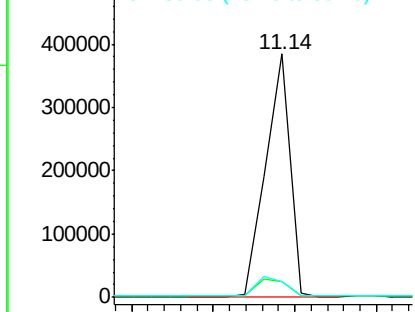
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF084992.D
Acq: 10 Feb 2016 14:48

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

Tgt Ion:188 Resp: 402261
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.4#
80 6.6 9.6 14.4#

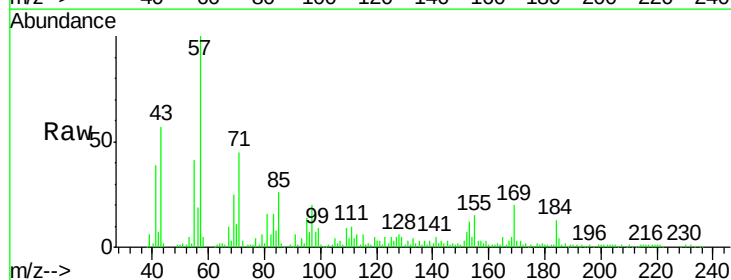


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

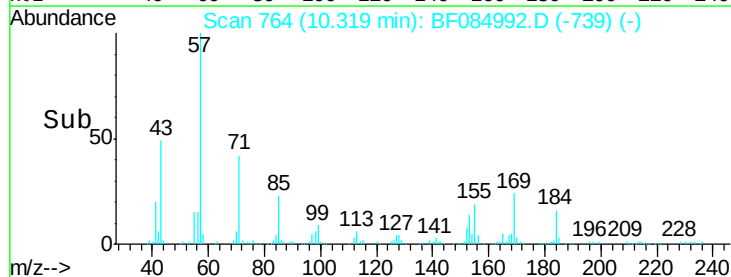
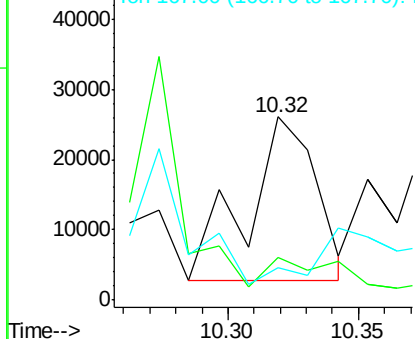


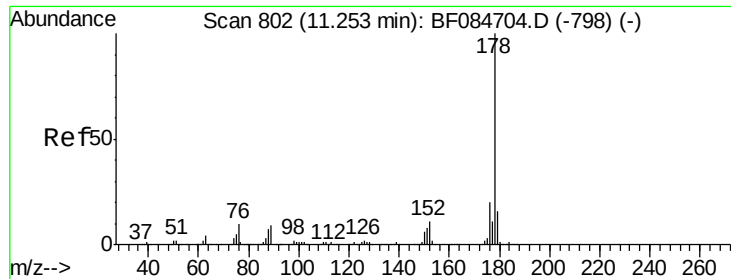
#65
n-Nitrosodiphenylamine
Concen: 3.39 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF084992.D
Acq: 10 Feb 2016 14:48

Tgt Ion:169 Resp: 43326
Ion Ratio Lower Upper
169 100
168 23.1 55.1 82.7#
167 17.3 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





#70

Phenanthrene

Concen: 3.64 ng

RT: 11.17 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

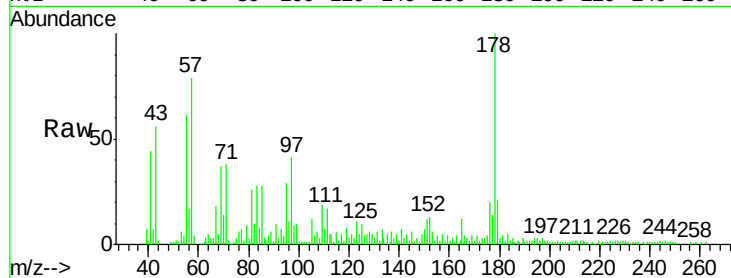
Tgt Ion:178 Resp: 81180

Ion Ratio Lower Upper

178 100

176 20.0 15.3 22.9

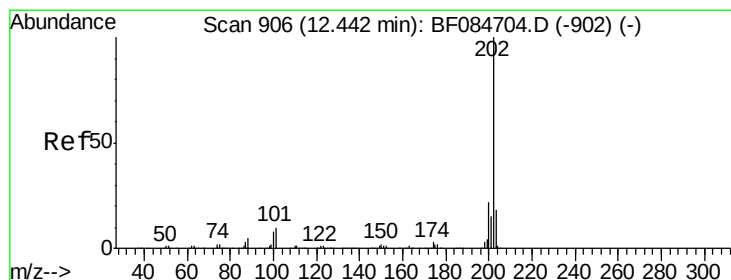
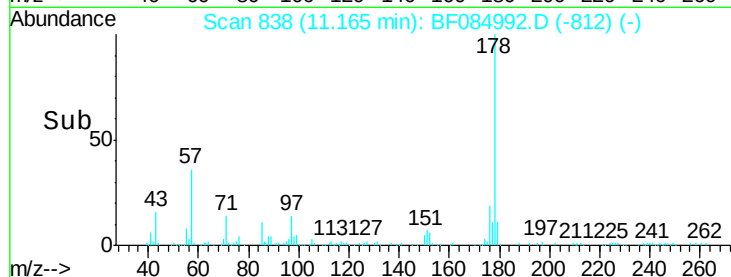
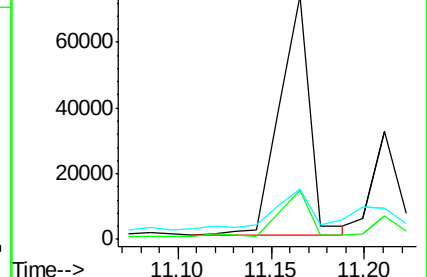
179 20.8 12.0 18.0#



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



#74

Fluoranthene

Concen: 5.93 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

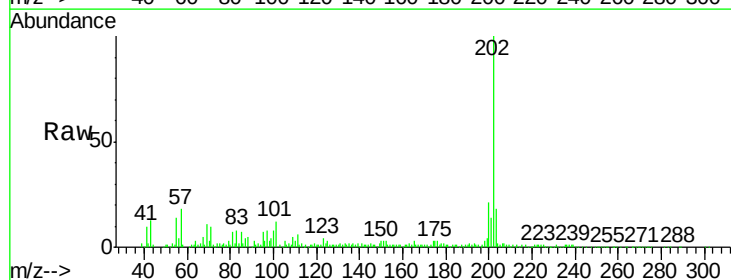
Tgt Ion:202 Resp: 133933

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.8

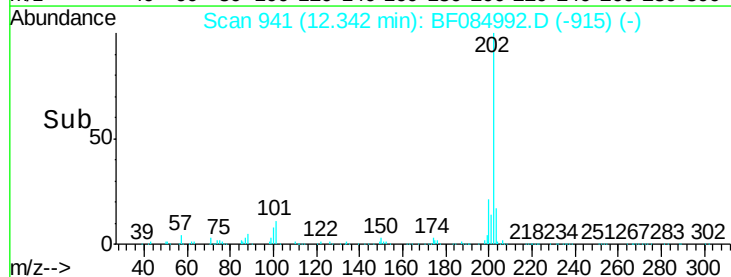
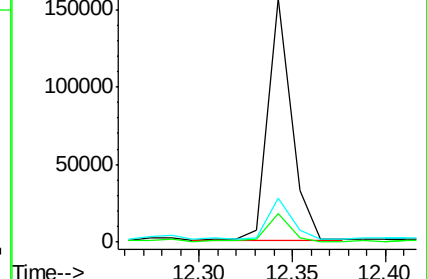
203 18.2 0.0 37.9

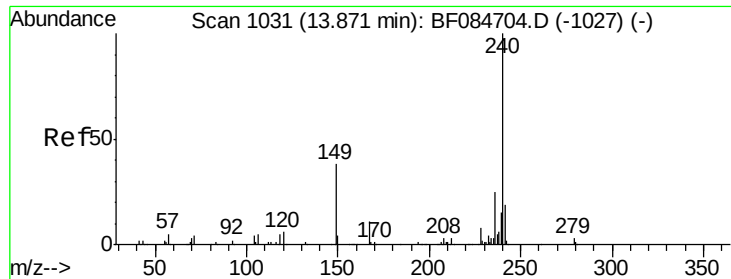


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

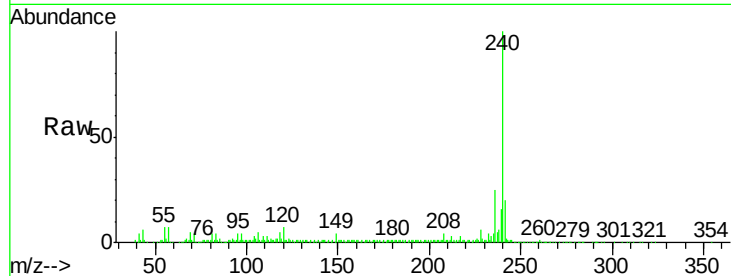
BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

Tgt Ion:240 Resp: 309555

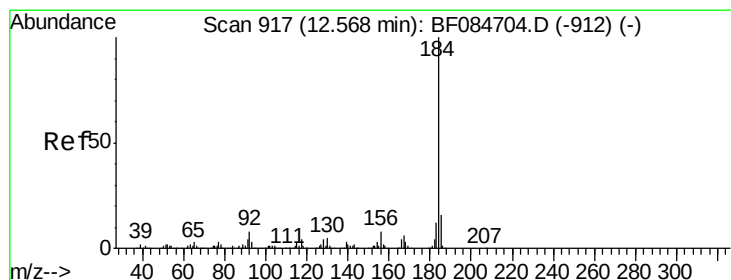
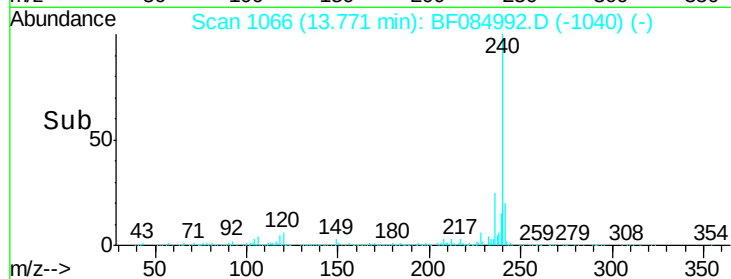
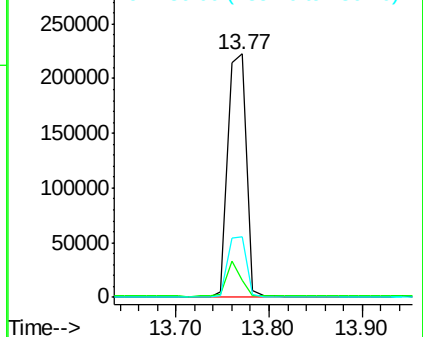
Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	25.0	20.6	31.0



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: 6.93 ng

RT: 12.50 min Scan# 955

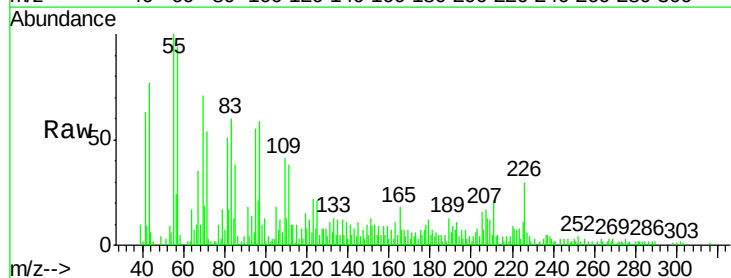
Delta R.T. 0.02 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Tgt Ion:184 Resp: 633

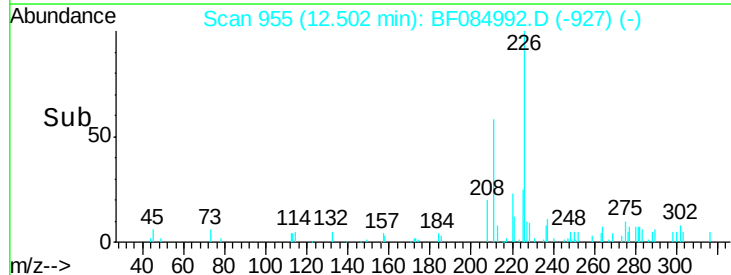
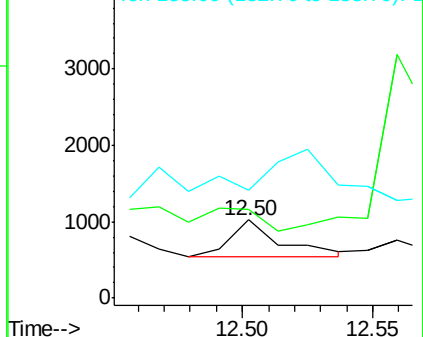
Ion	Ratio	Lower	Upper
184	100		
185	113.8	12.2	18.2#
183	137.7	9.8	14.8#

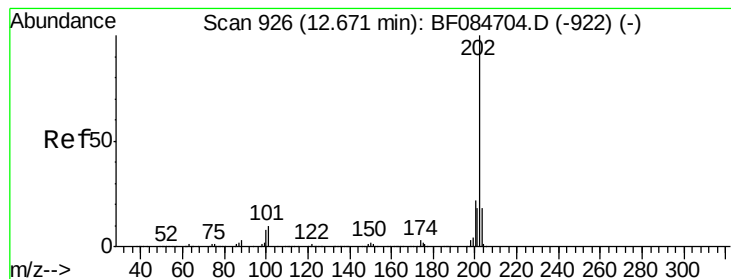


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 6.40 ng

RT: 12.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

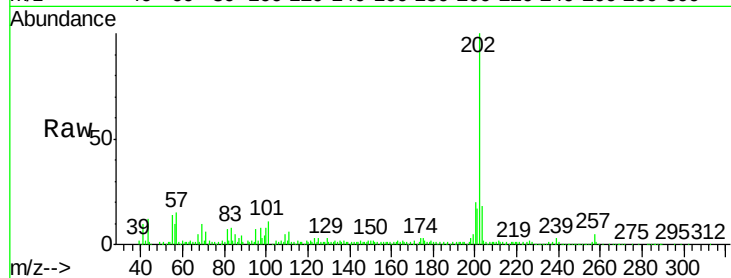
Tgt Ion:202 Resp: 151712

Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

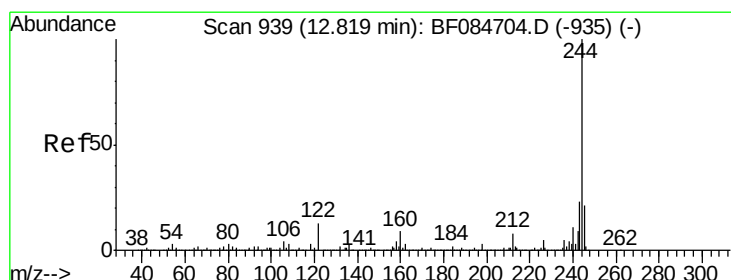
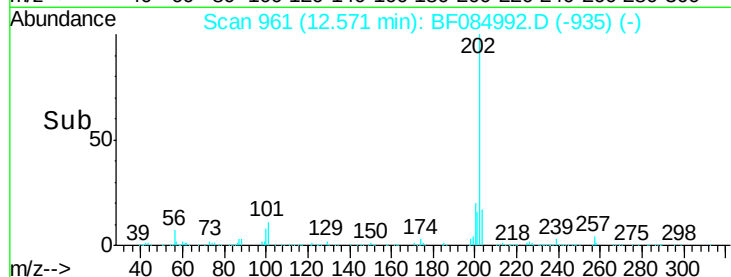
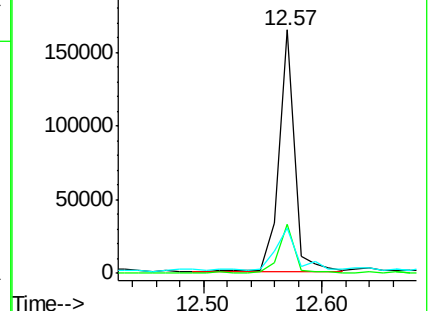
203 18.3 14.3 21.5



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: 15.20 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

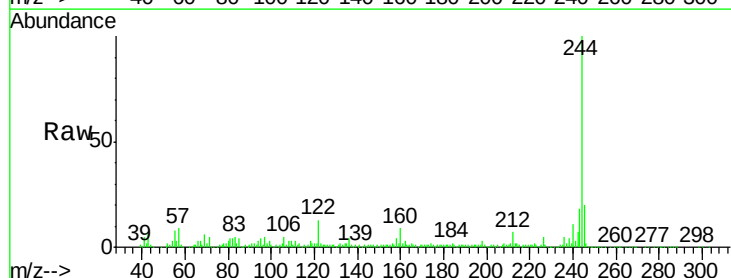
Tgt Ion:244 Resp: 207597

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

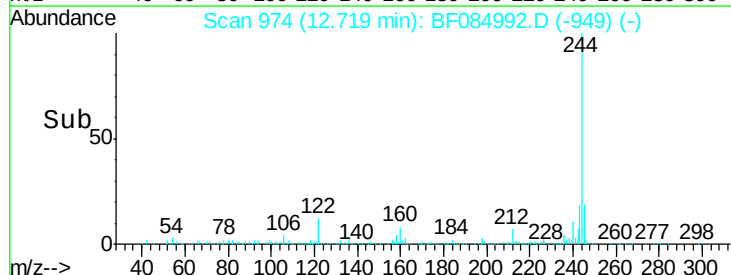
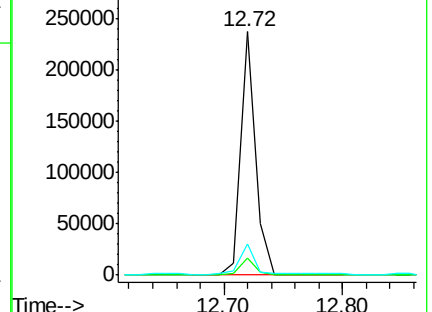
122 12.8 7.4 11.0#

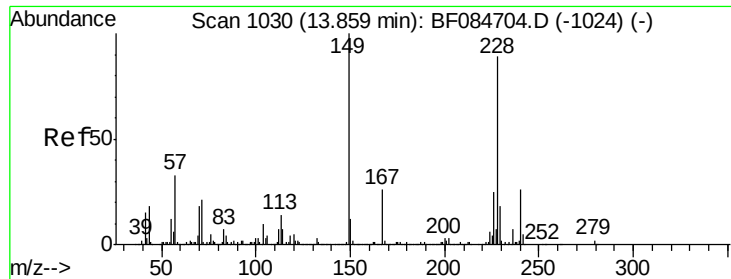


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.72 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

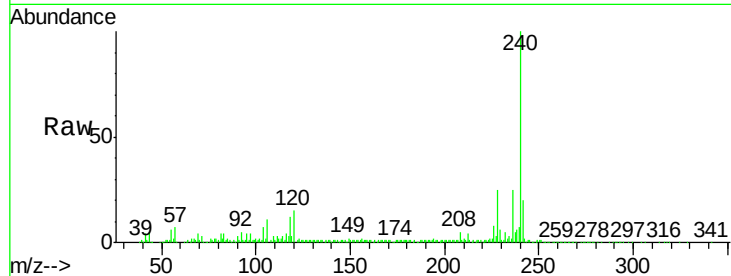
Tgt Ion:228 Resp: 71515

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.6

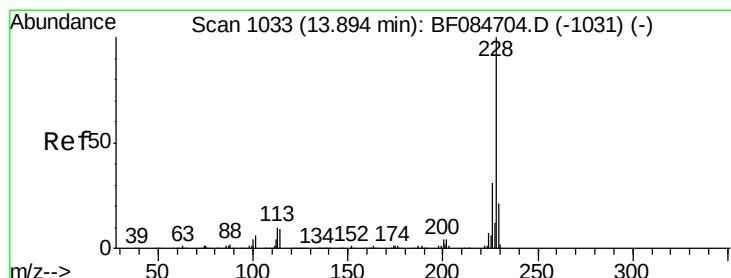
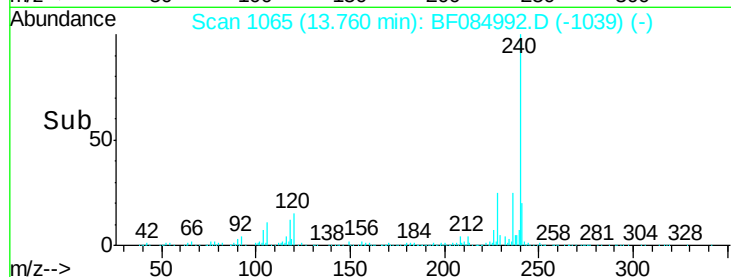
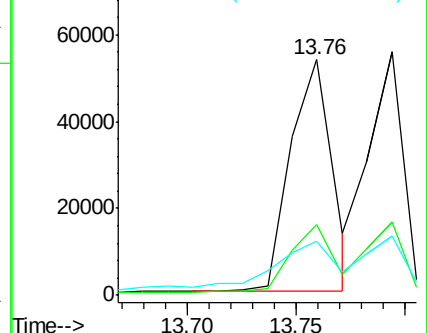
229 22.9 15.8 23.8



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: 3.84 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

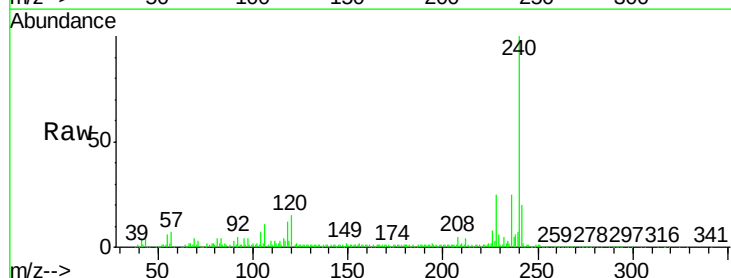
Tgt Ion:228 Resp: 71515

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

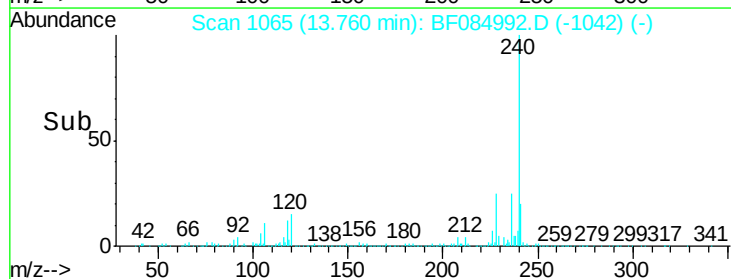
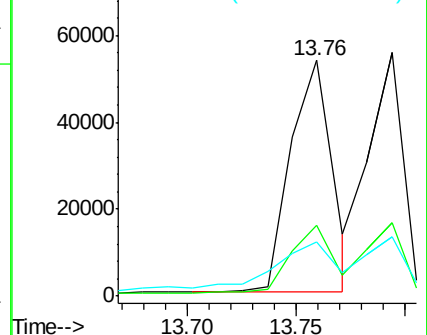
229 22.9 16.1 24.1

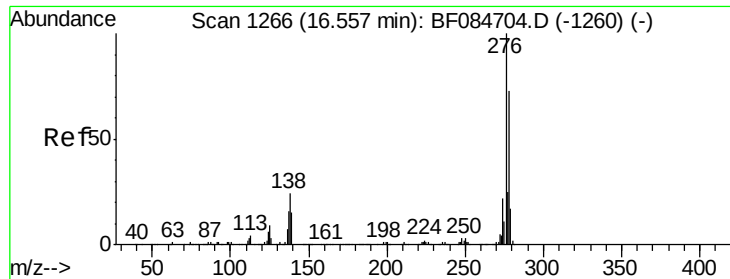


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

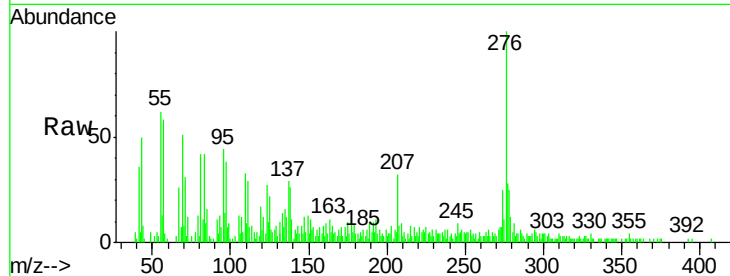




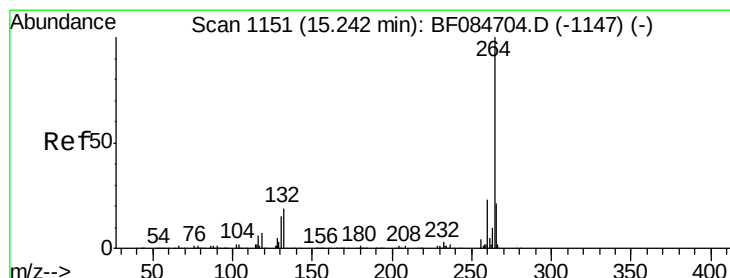
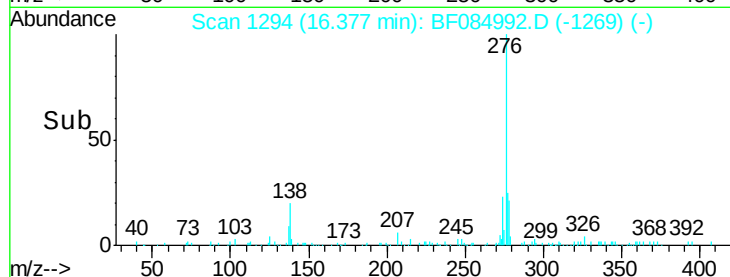
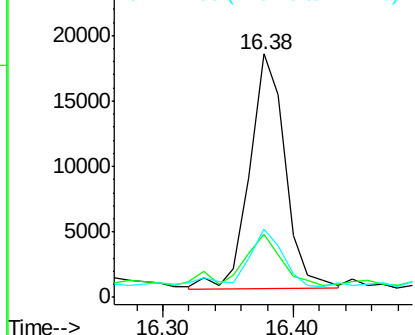
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.32 ng
 RT: 16.38 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.6	30.8
277	26.2	20.1	30.1

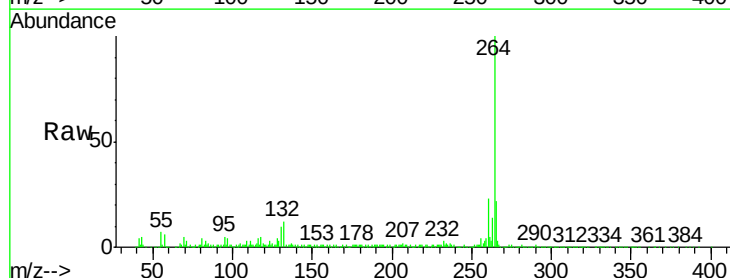


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

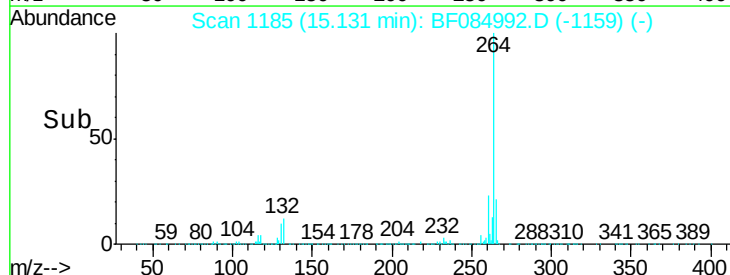
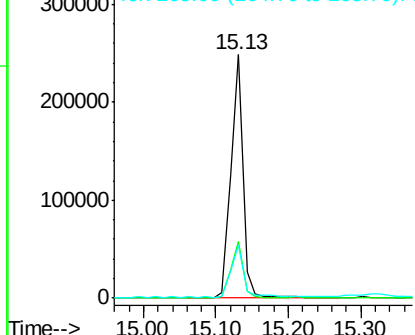


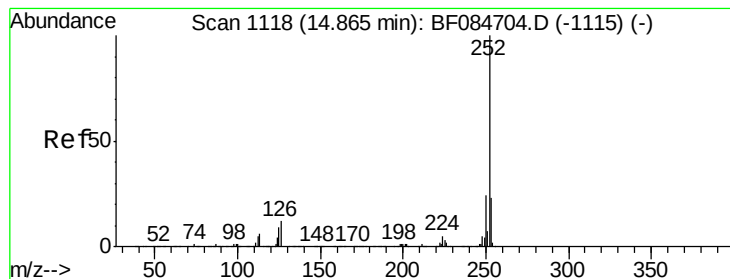
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF084992.D
 Acq: 10 Feb 2016 14:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.5	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: 5.15 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

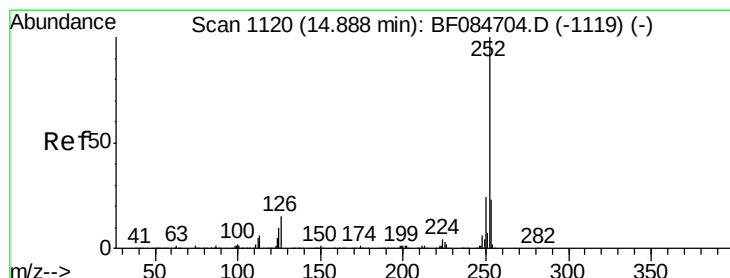
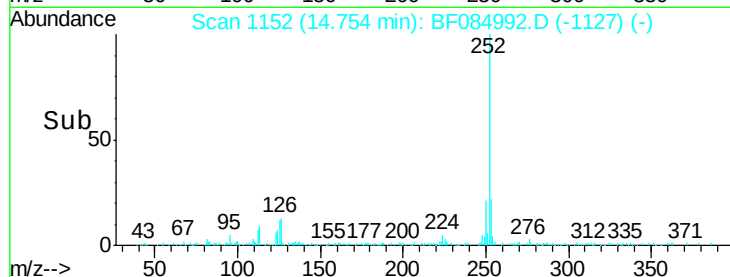
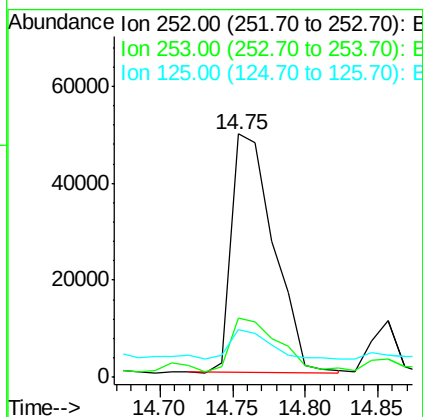
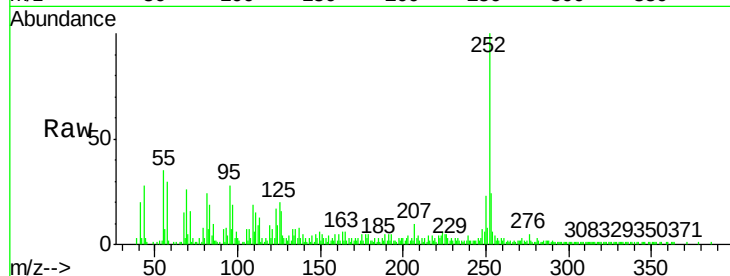
Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

Tgt Ion:	252	Resp:	98982
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	19.6	6.5	9.7#



#88

Benzo(k)fluoranthene

Concen: 6.22 ng

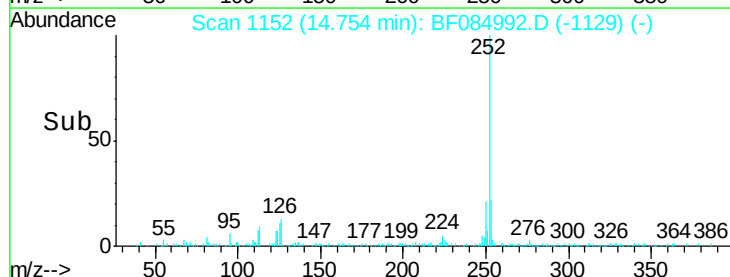
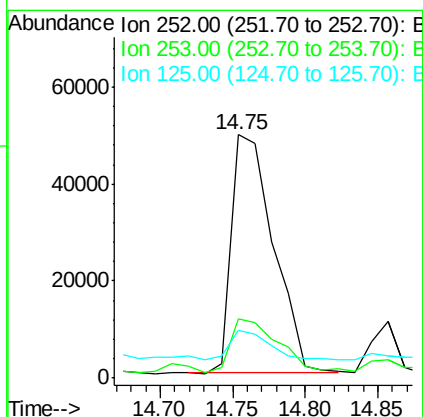
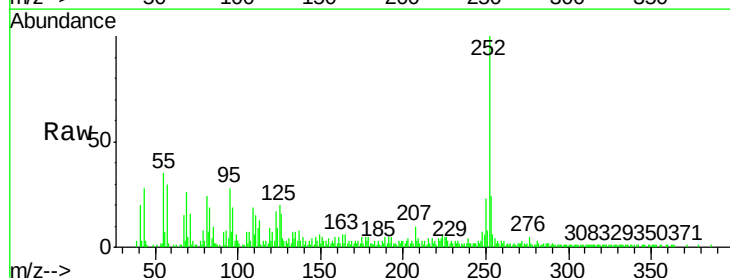
RT: 14.75 min Scan# 1152

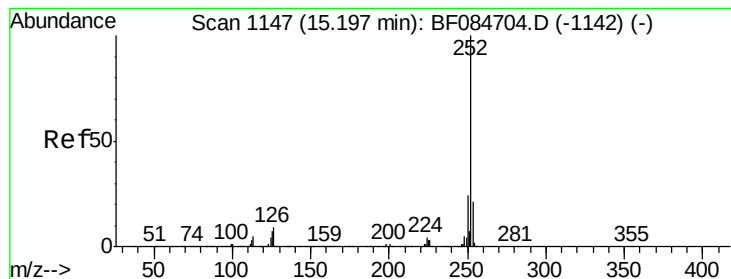
Delta R.T. -0.03 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Tgt Ion:	252	Resp:	98846
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	19.6	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 3.44 ng

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)B

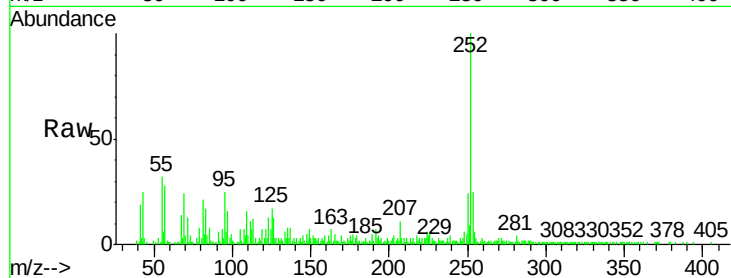
Tgt Ion:252 Resp: 56362

Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

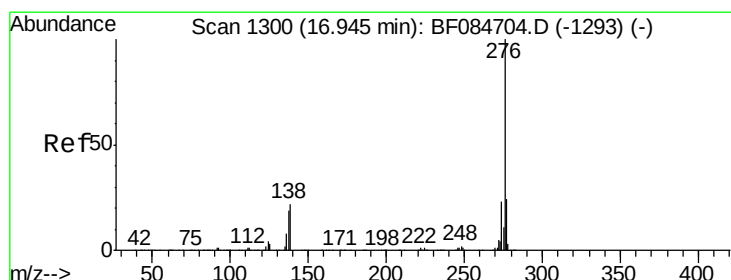
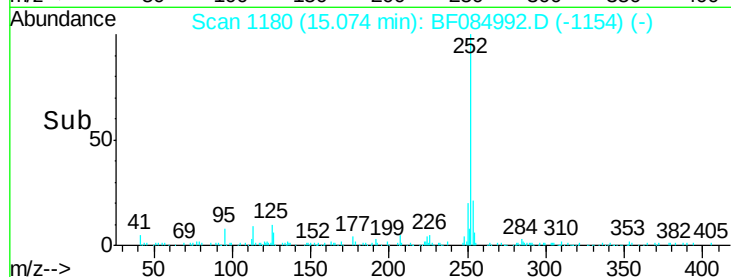
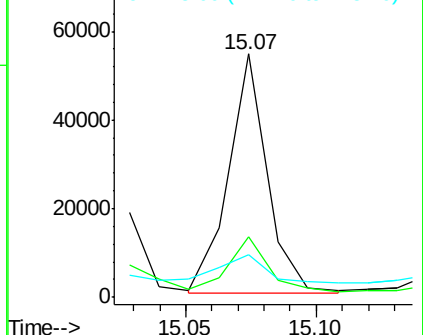
125 17.4 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.35 ng

RT: 16.75 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF084992.D

Acq: 10 Feb 2016 14:48

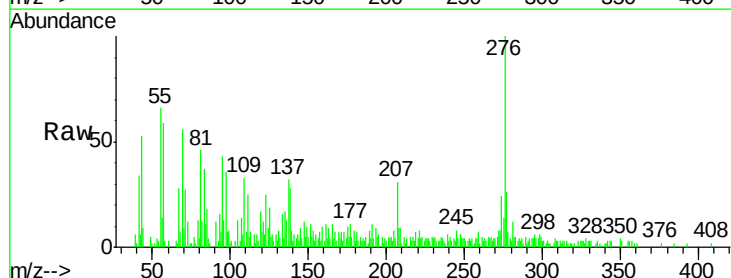
Tgt Ion:276 Resp: 32663

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 28.3 17.8 26.6#



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

