

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084993.D
 Acq On : 10 Feb 2016 15:16
 Operator : SJ/IZ
 Sample : H1392-07 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 10 16:33:05 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

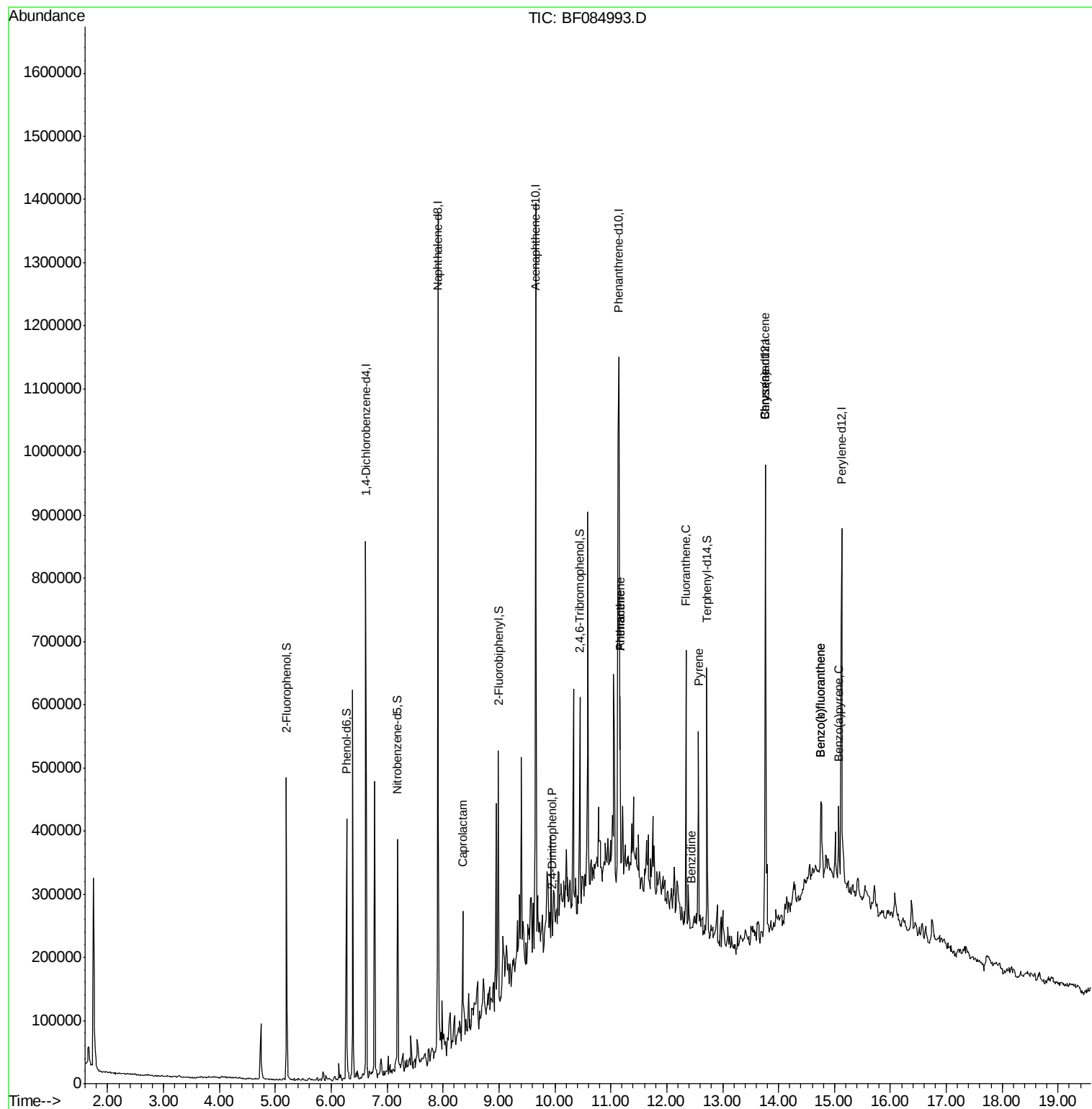
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	151904	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	598923	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	252876	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	434659	20.00	ng	0.00
75) Chrysene-d12	13.76	240	306734	20.00	ng	-0.01
86) Perylene-d12	15.13	264	280984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	133624	13.70	ng	0.00
7) Phenol-d6	6.27	99	167517	13.86	ng	-0.01
23) Nitrobenzene-d5	7.19	82	107910	10.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	33214	12.59	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	171826	7.88	ng	0.00
78) Terphenyl-d14	12.72	244	120178	8.88	ng	-0.01
Target Compounds						Qvalue
35) Caprolactam	8.35	113	5397	2.10	ng	# 1
53) 2,4-Dinitrophenol	9.95	184	534	6.06	ng	# 37
60) 4-Chlorophenyl-phenylether	10.20	204	341	Below Cal		# 1
70) Phenanthrene	11.16	178	133719	5.55	ng	99
71) Anthracene	11.16	178	133719	5.50	ng	100
74) Fluoranthene	12.34	202	157924	6.47	ng	98
76) Benzydine	12.43	184	831	6.94	ng	# 1
77) Pyrene	12.57	202	141019	6.00	ng	100
80) Benzo(a)anthracene	13.76	228	67987	3.57	ng	# 93
82) Chrysene	13.76	228	67987	3.68	ng	# 95
87) Benzo(b)fluoranthene	14.75	252	89948	4.76	ng	# 85
88) Benzo(k)fluoranthene	14.75	252	89929	5.76	ng	# 89
89) Benzo(a)pyrene	15.07	252	48420	3.01	ng	# 89

(#) = 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: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

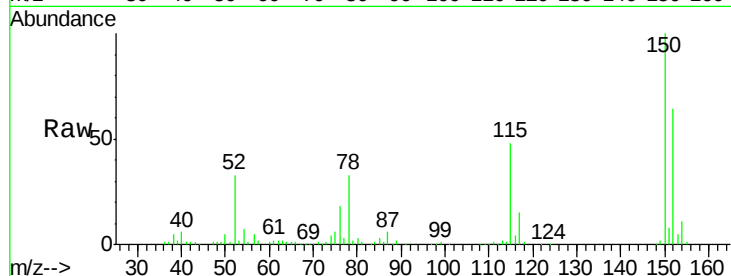
Tgt Ion:152 Resp: 151904

Ion Ratio Lower Upper

152 100

150 156.9 123.0 184.4

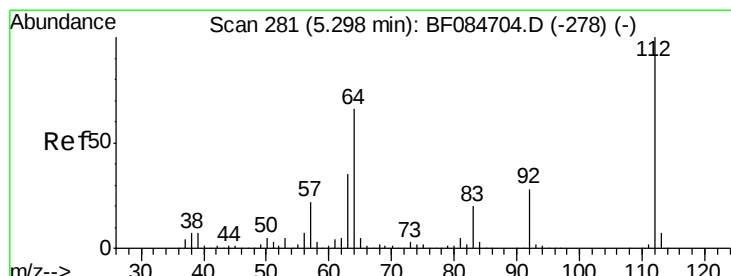
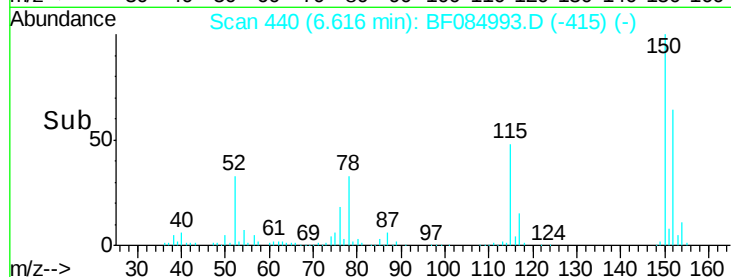
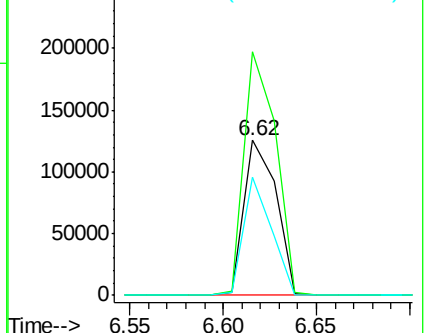
115 75.8 51.4 77.2



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: 13.70 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

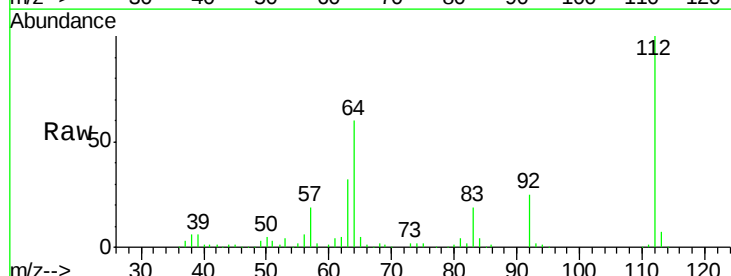
Tgt Ion:112 Resp: 133624

Ion Ratio Lower Upper

112 100

64 59.8 36.6 55.0#

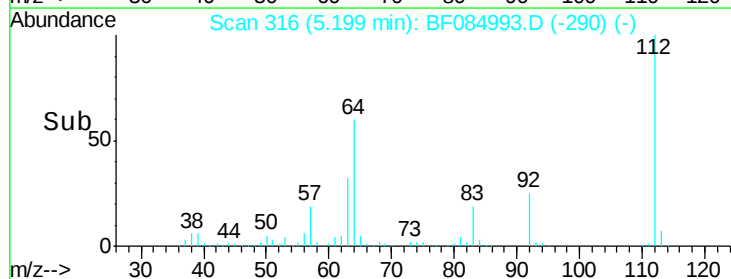
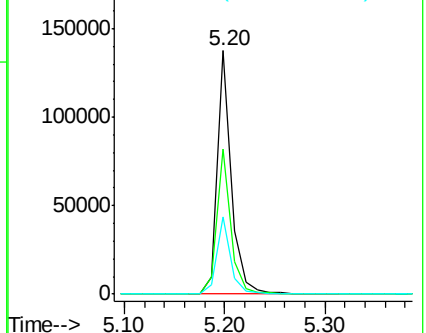
63 31.7 19.4 29.0#

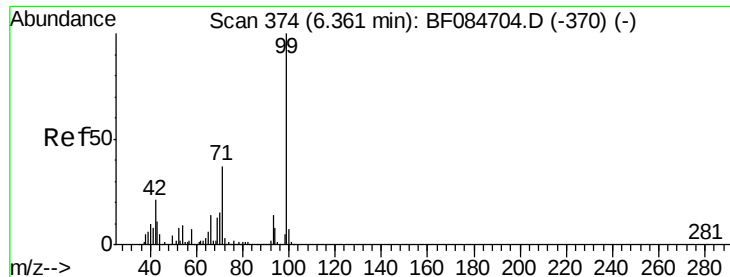


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.86 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

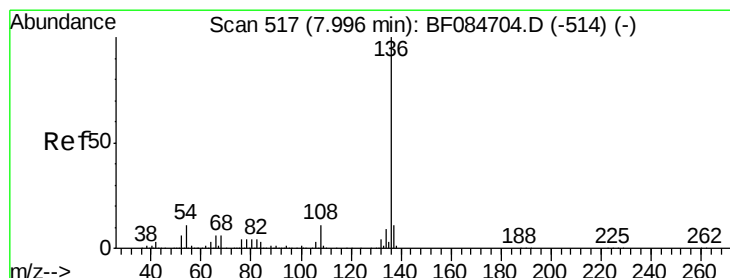
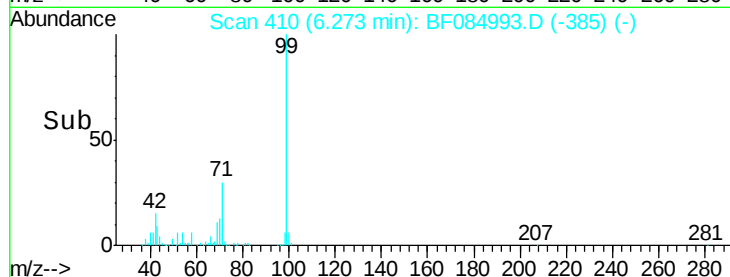
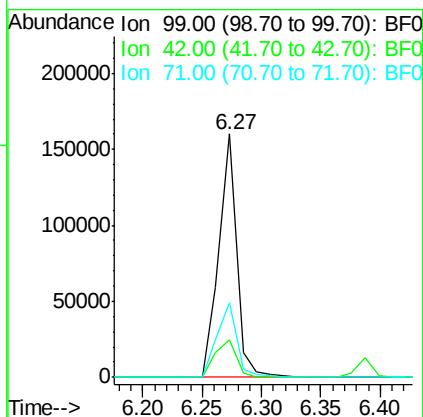
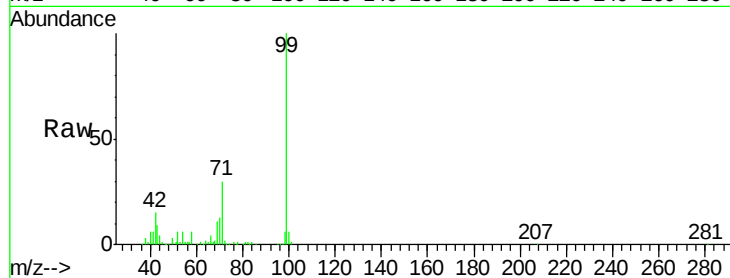
Tgt Ion: 99 Resp: 167517

Ion Ratio Lower Upper

99 100

42 15.5 12.8 19.2

71 30.5 30.9 46.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Tgt Ion: 136 Resp: 598923

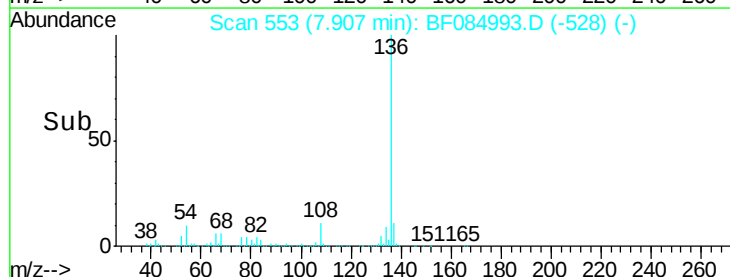
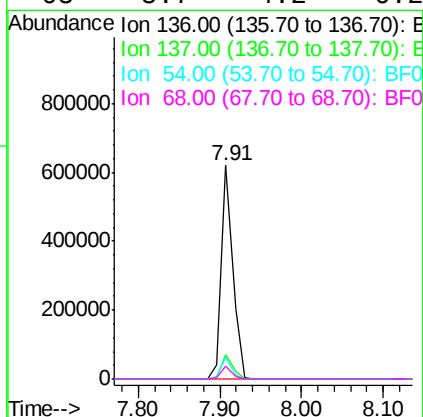
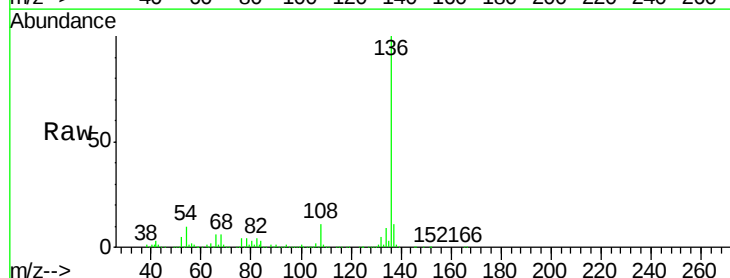
Ion Ratio Lower Upper

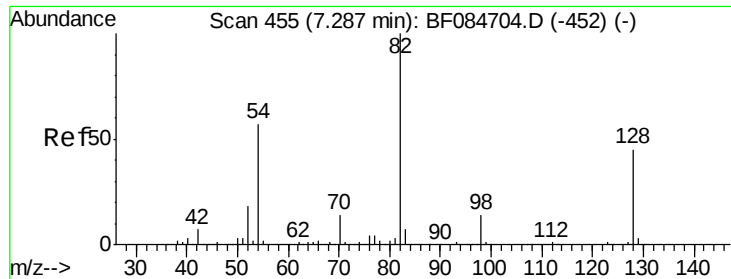
136 100

137 11.2 8.7 13.1

54 10.1 5.8 8.8#

68 5.7 4.2 6.2

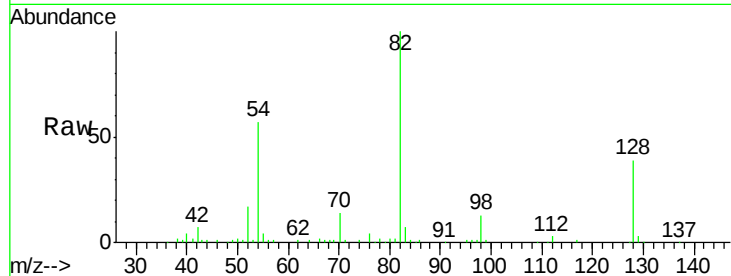




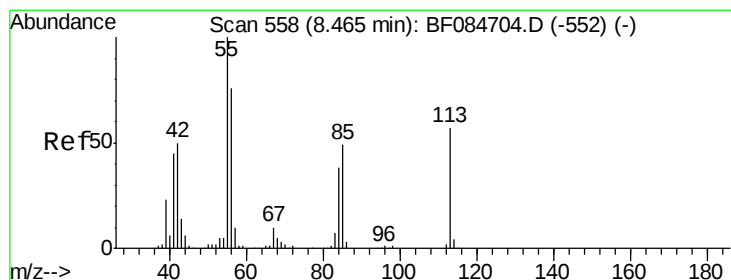
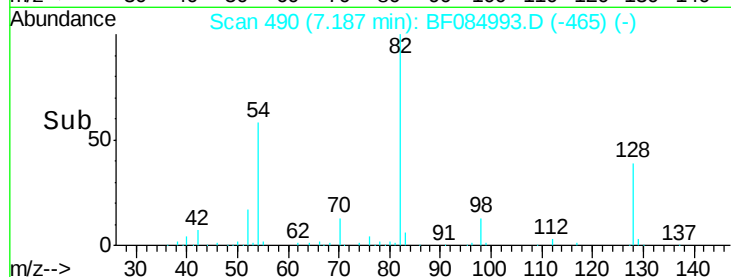
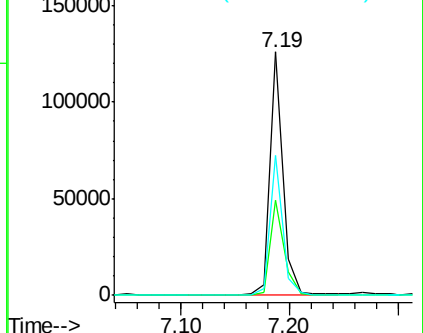
#23
 Nitrobenzene-d5
 Concen: 10.15 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF084993.D
 Acq: 10 Feb 2016 15:16

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

Tgt Ion: 82 Resp: 107910
 Ion Ratio Lower Upper
 82 100
 128 39.0 34.6 51.8
 54 57.5 38.4 57.6

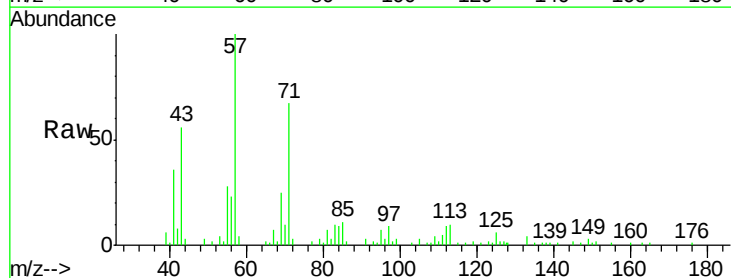


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

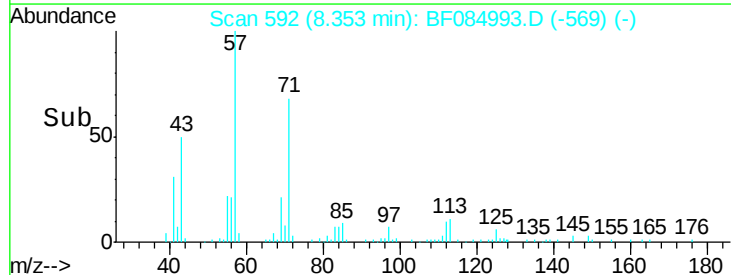
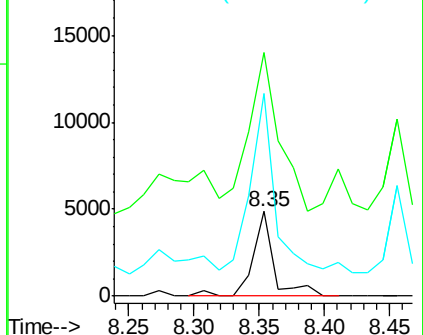


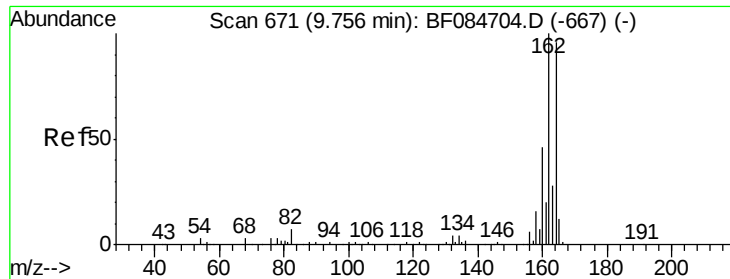
#35
 Caprolactam
 Concen: 2.10 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF084993.D
 Acq: 10 Feb 2016 15:16

Tgt Ion: 113 Resp: 5397
 Ion Ratio Lower Upper
 113 100
 55 287.9 116.9 156.9#
 56 239.7 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

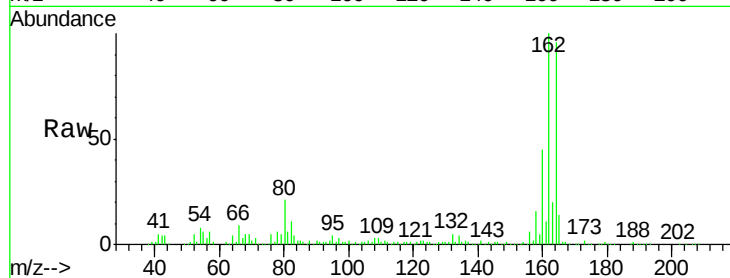




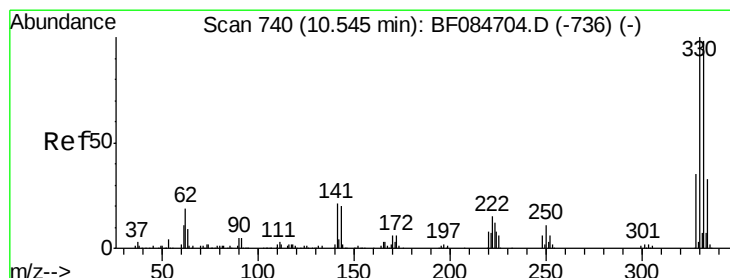
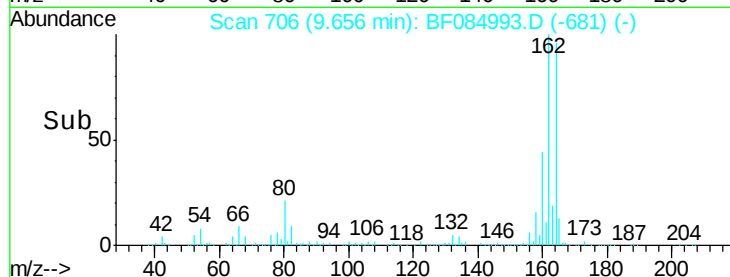
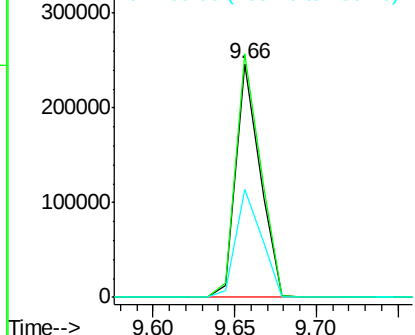
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

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

Tgt Ion:164 Resp: 252876
Ion Ratio Lower Upper
164 100
162 104.1 85.1 127.7
160 46.4 37.5 56.3

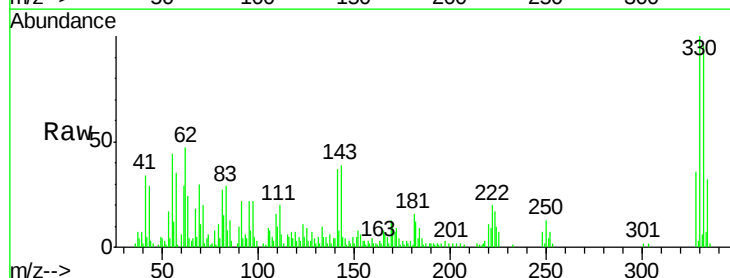


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

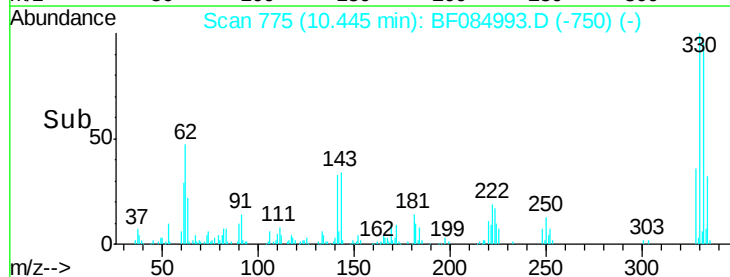
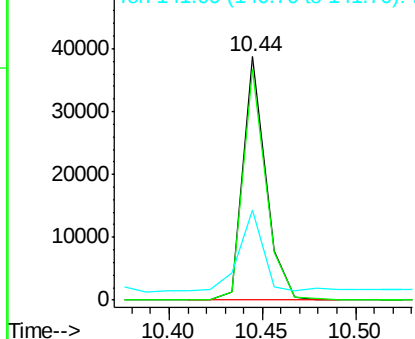


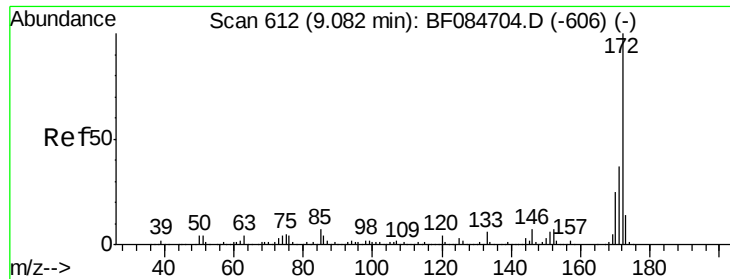
#41
2,4,6-Tribromophenol
Concen: 12.59 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:330 Resp: 33214
Ion Ratio Lower Upper
330 100
332 95.6 76.6 114.8
141 34.6 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: 7.88 ng

RT: 8.99 min Scan# 648

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

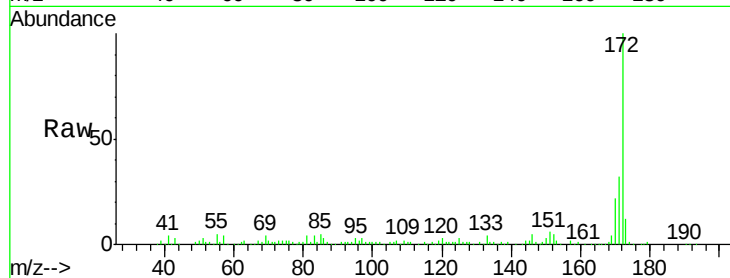
Tgt Ion:172 Resp: 171826

Ion Ratio Lower Upper

172 100

171 32.2 28.9 43.3

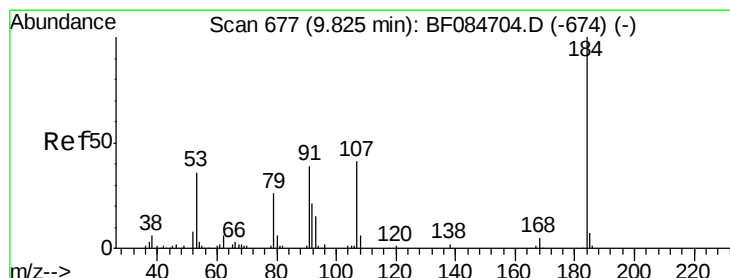
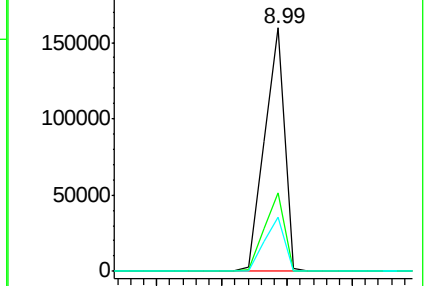
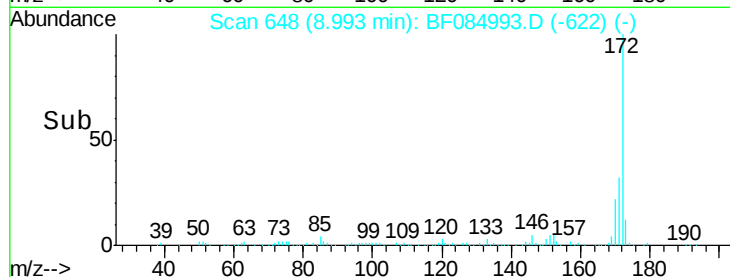
170 22.5 18.6 27.8



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



#53

2,4-Dinitrophenol

Concen: 6.06 ng

RT: 9.95 min Scan# 732

Delta R.T. 0.21 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

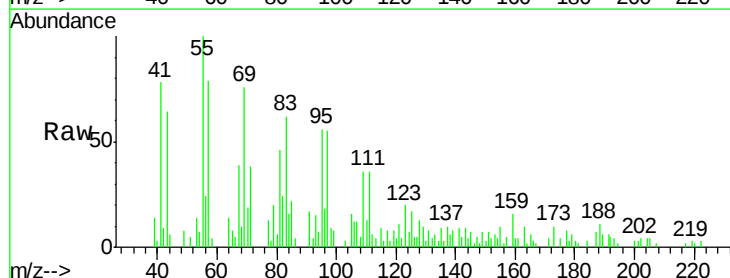
Tgt Ion:184 Resp: 534

Ion Ratio Lower Upper

184 100

63 0.0 43.1 64.7#

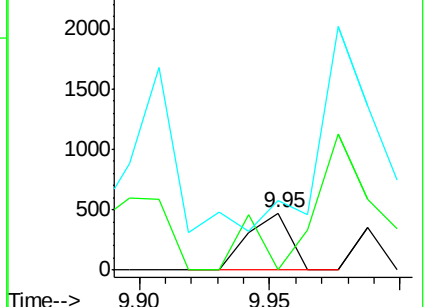
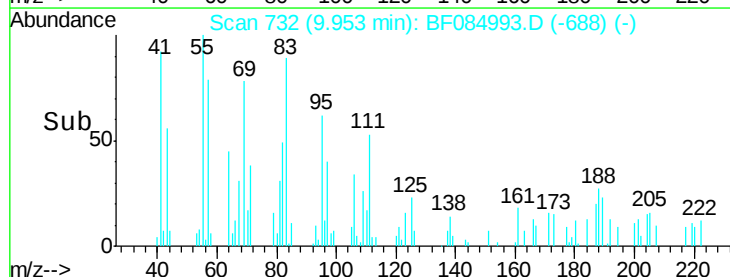
154 121.5 60.5 90.7#

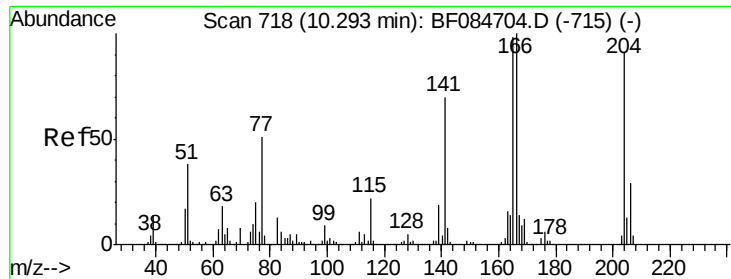


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

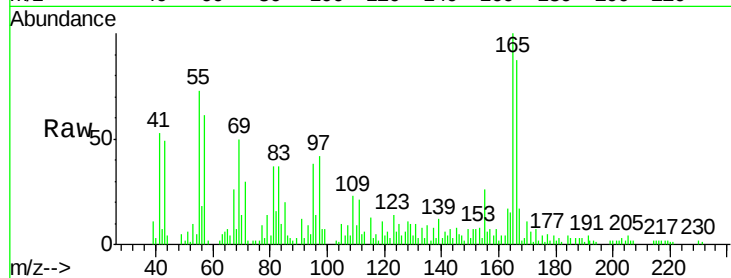




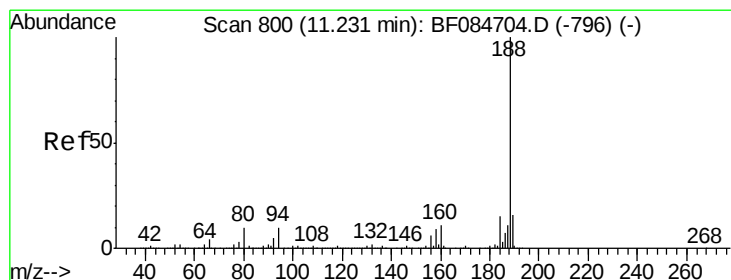
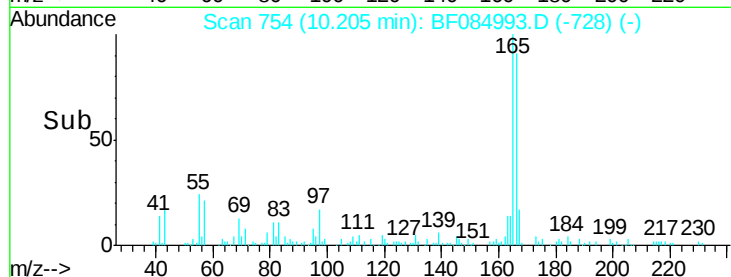
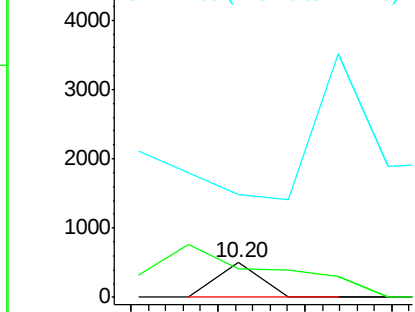
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.20 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Instrument :
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STOCKPILE-7E-(0-2)C

Tgt Ion:204 Resp: 341
Ion Ratio Lower Upper
204 100
206 83.7 25.7 38.5#
141 300.0 55.1 82.7#

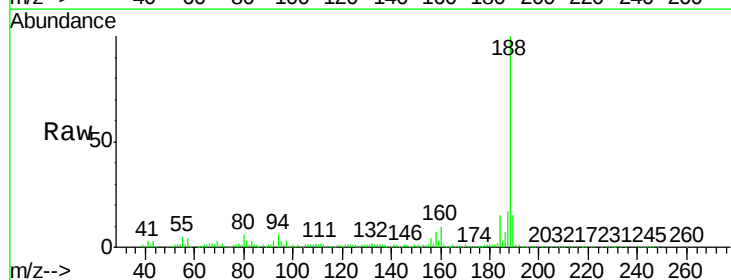


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

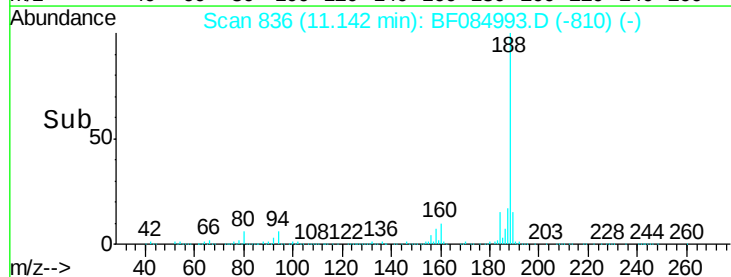
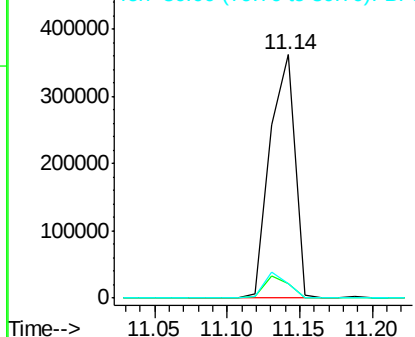


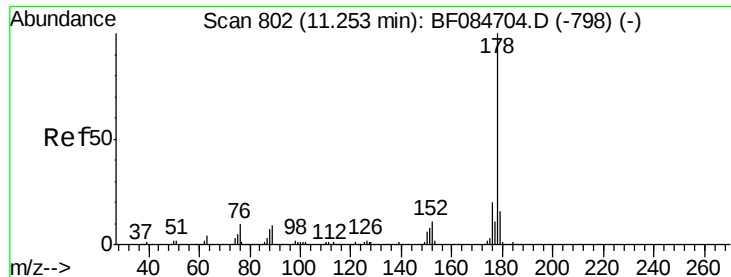
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:188 Resp: 434659
Ion Ratio Lower Upper
188 100
94 6.1 9.0 13.4#
80 6.0 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





#70

Phenanthrene

Concen: 5.55 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

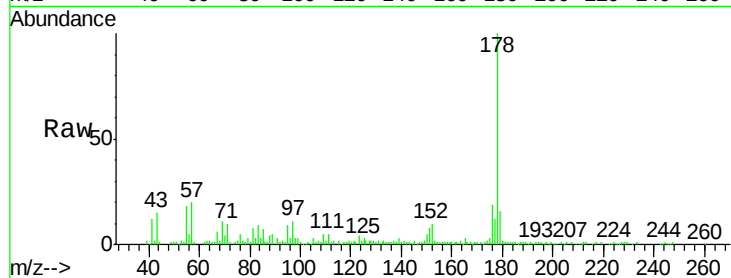
Tgt Ion:178 Resp: 133719

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

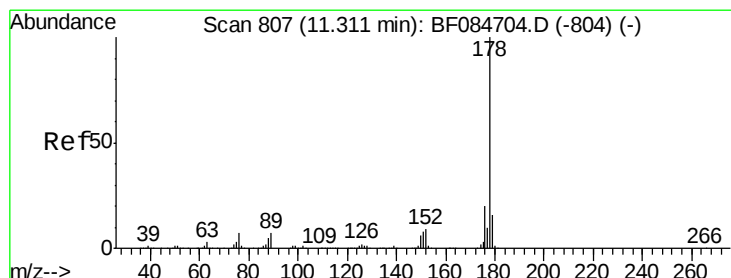
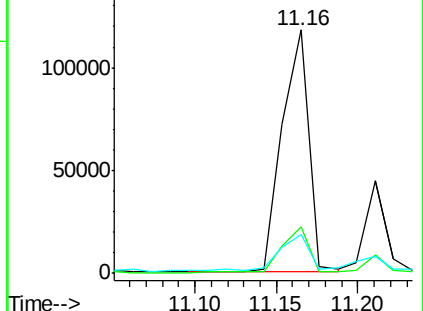
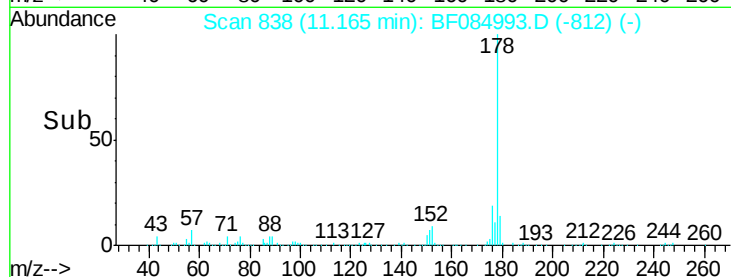
179 15.7 12.0 18.0



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



#71

Anthracene

Concen: 5.50 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.06 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

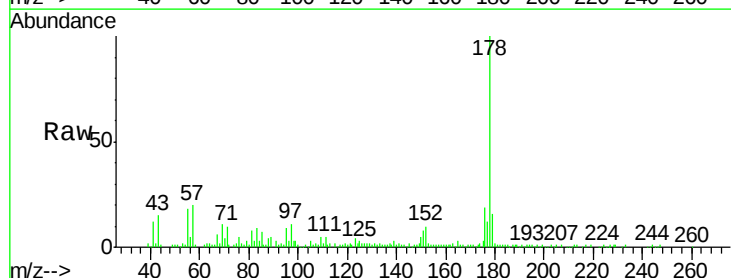
Tgt Ion:178 Resp: 133719

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

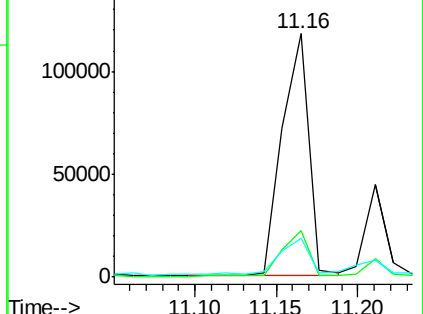
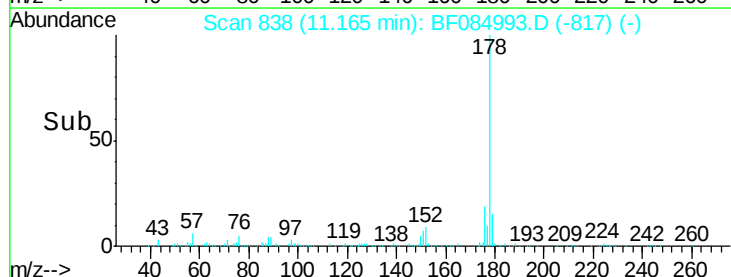
179 15.7 12.5 18.7

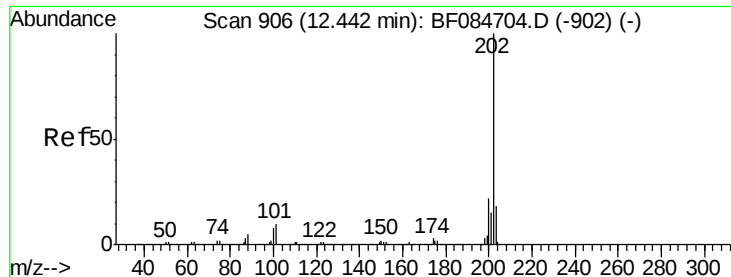


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.47 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

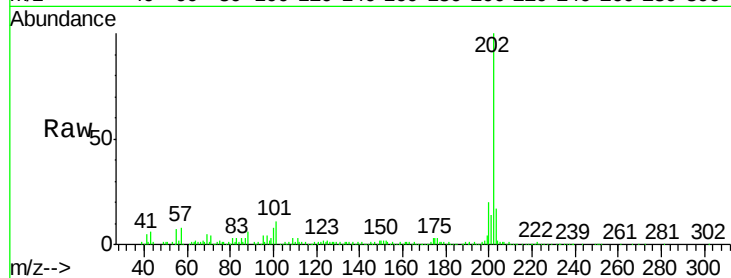
Instrument :

BNA_F

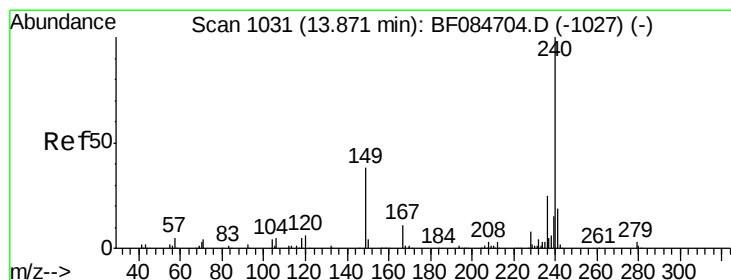
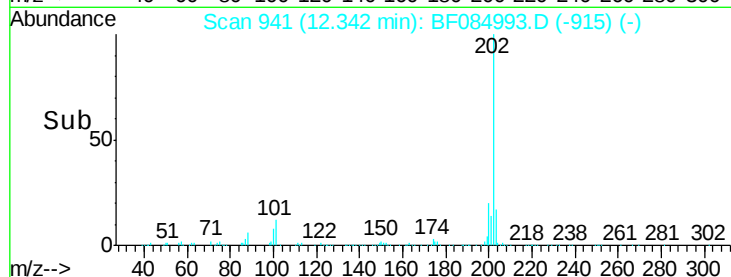
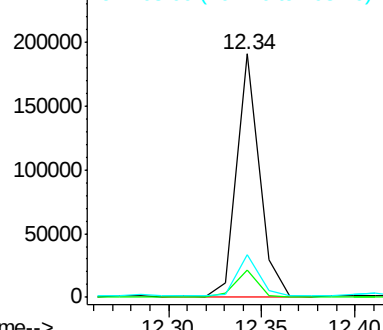
ClientSampleId :

STOCKPILE-7E-(0-2)C

Tgt Ion:	202	Resp:	157924
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.8
203	17.5	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

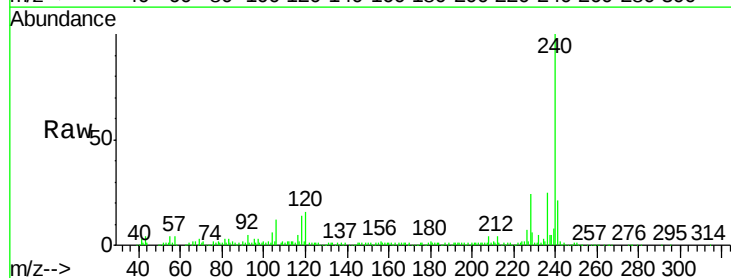
RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

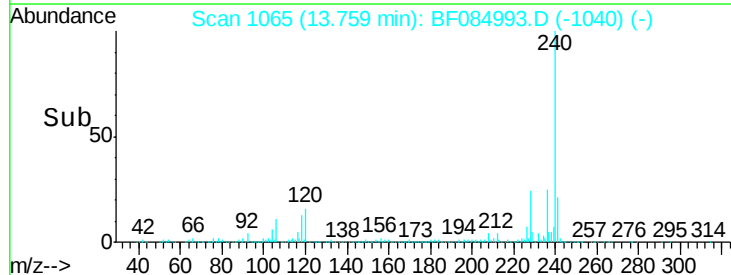
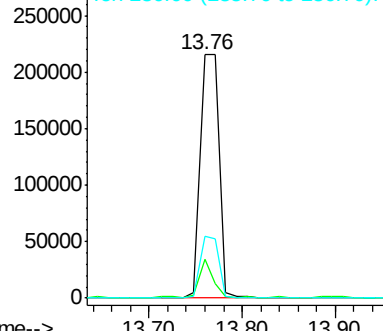
Lab File: BF084993.D

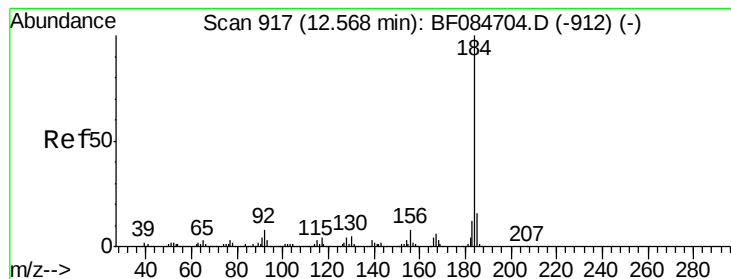
Acq: 10 Feb 2016 15:16

Tgt Ion:	240	Resp:	306734
Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	25.3	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: 6.94 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.05 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

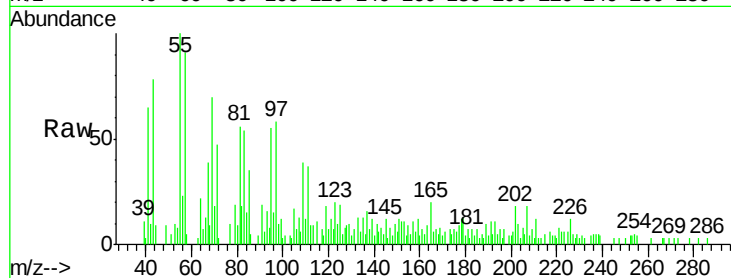
Tgt Ion:184 Resp: 831

Ion Ratio Lower Upper

184 100

185 153.6 12.2 18.2#

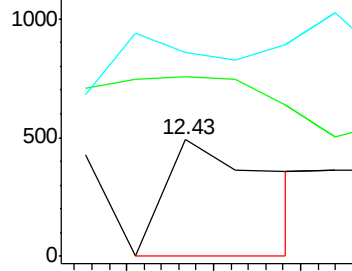
183 174.3 9.8 14.8#



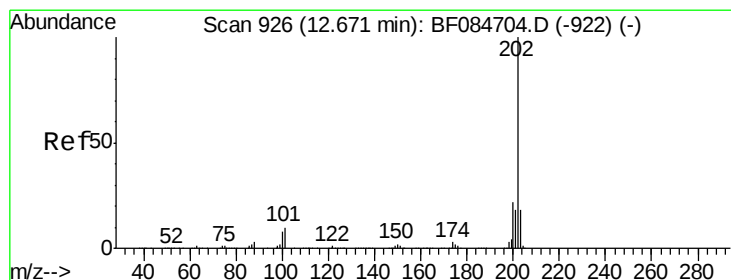
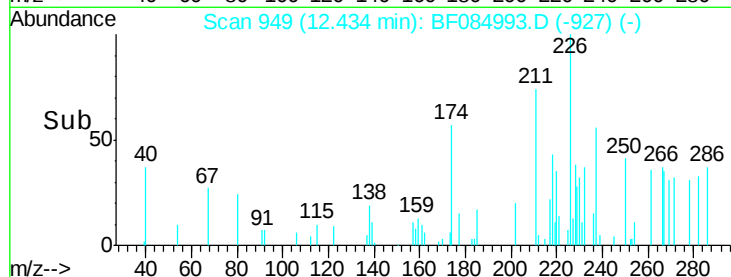
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#77

Pyrene

Concen: 6.00 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

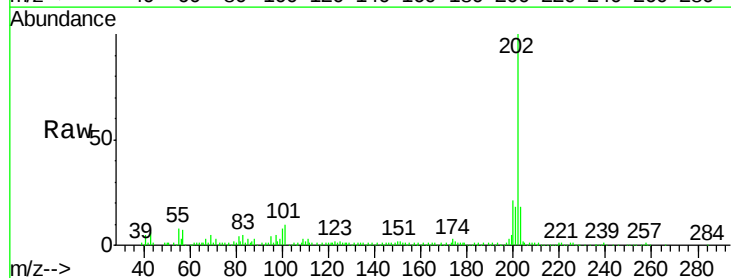
Tgt Ion:202 Resp: 141019

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

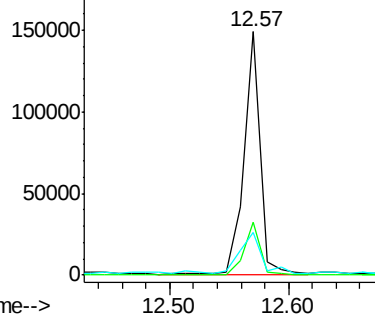
203 17.8 14.3 21.5



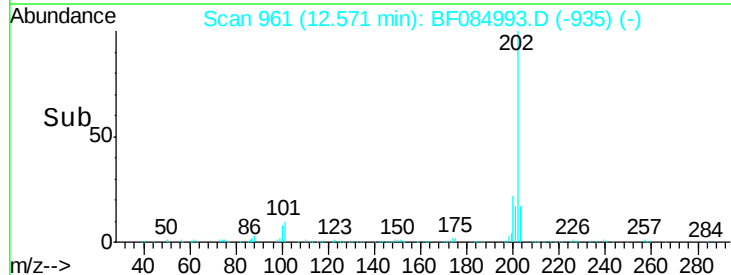
Abundance Ion 202.00 (201.70 to 202.70): E

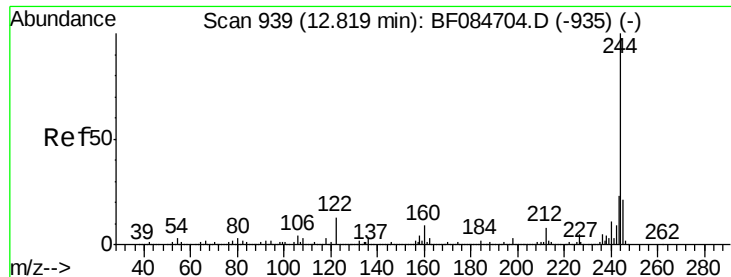
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 8.88 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

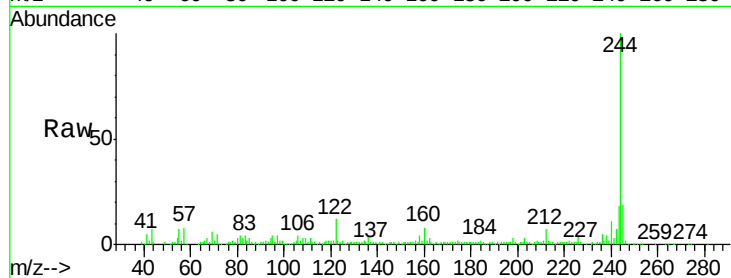
Tgt Ion:244 Resp: 120178

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

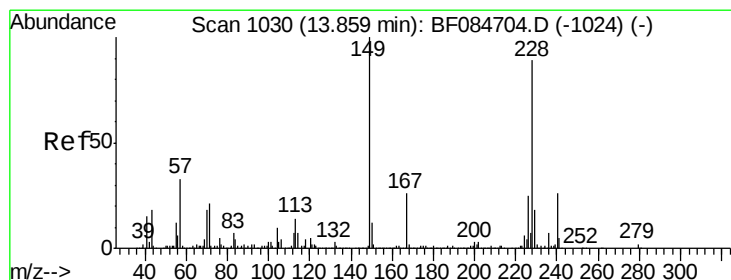
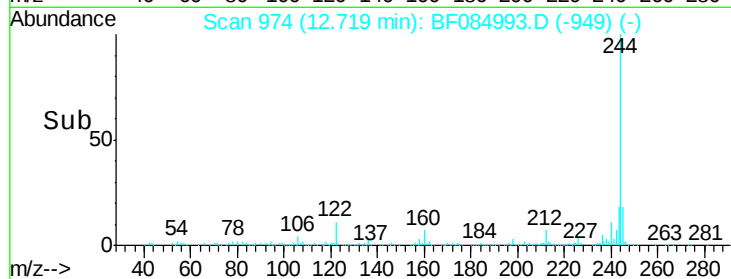
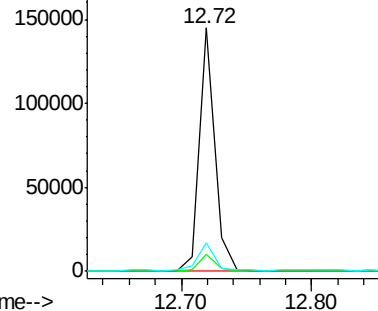
122 11.6 7.4 11.0#



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: 3.57 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

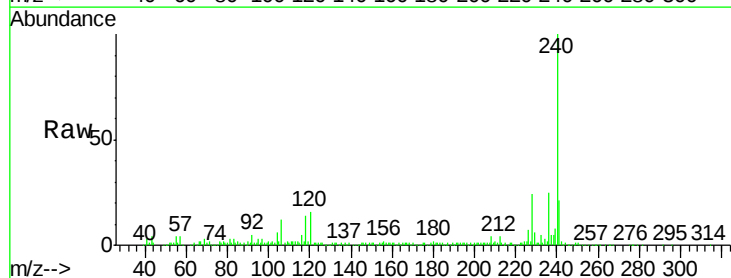
Tgt Ion:228 Resp: 67987

Ion Ratio Lower Upper

228 100

226 29.4 21.8 32.6

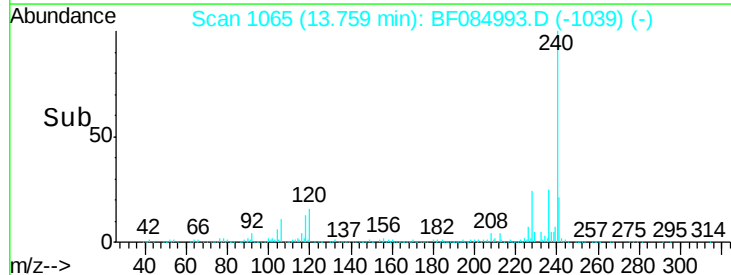
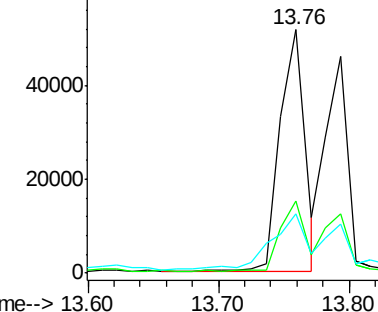
229 24.4 15.8 23.8#

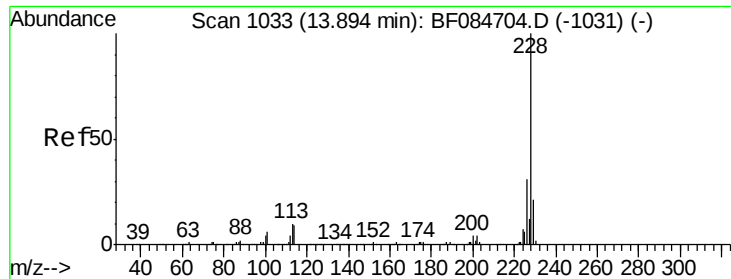


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.68 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF084993.D

Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C

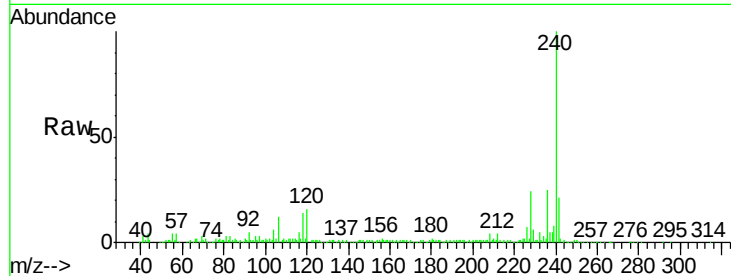
Tgt Ion:228 Resp: 67987

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

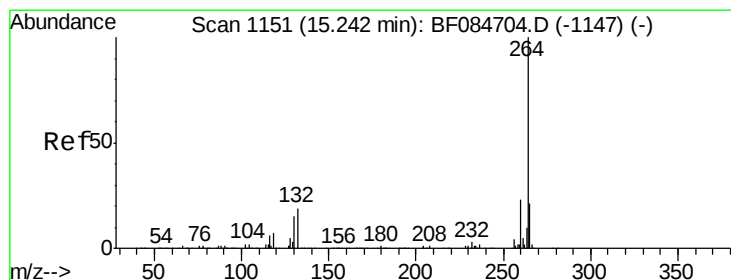
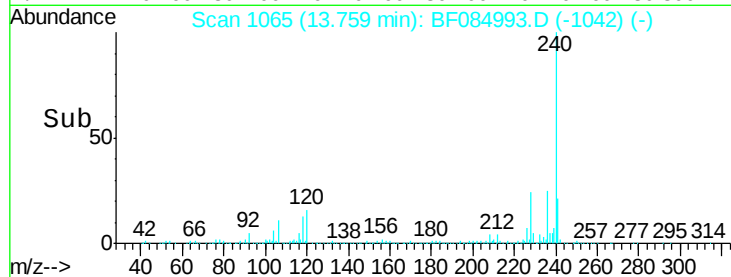
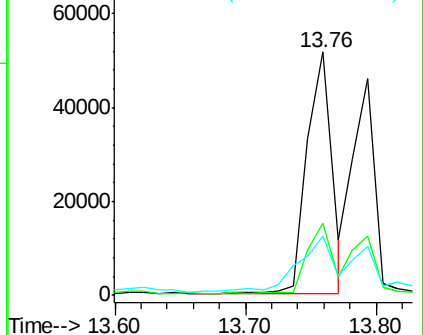
229 24.4 16.1 24.1#



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: BF084993.D

Acq: 10 Feb 2016 15:16

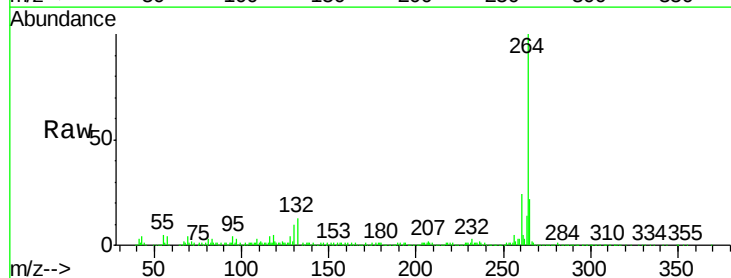
Tgt Ion:264 Resp: 280984

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

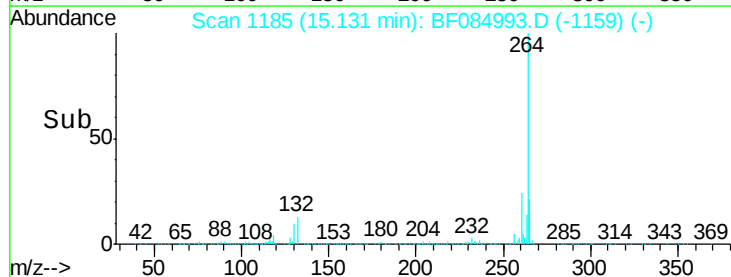
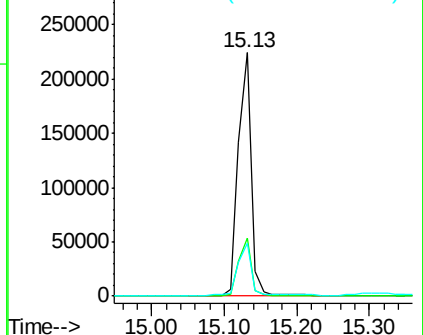
265 21.7 17.8 26.6

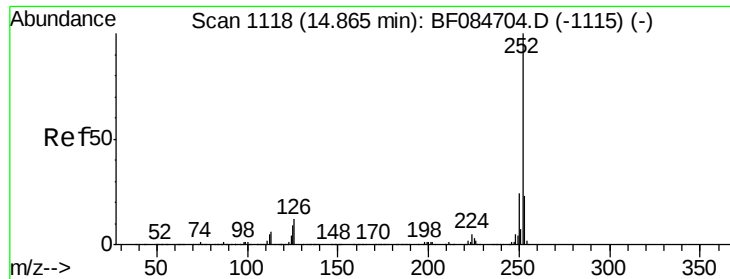


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

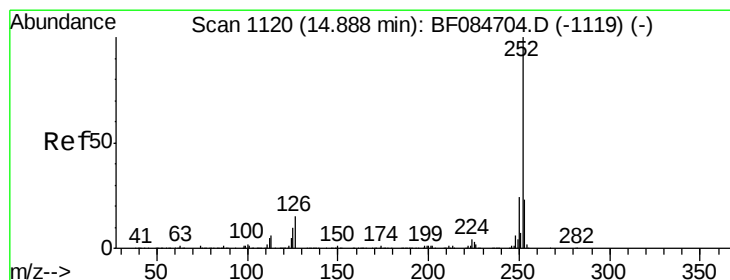
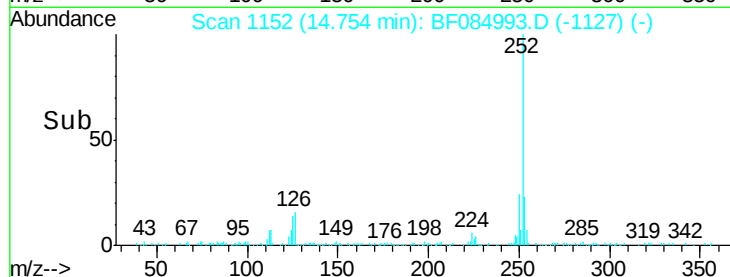
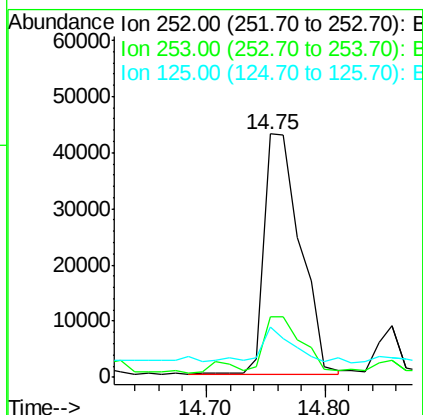
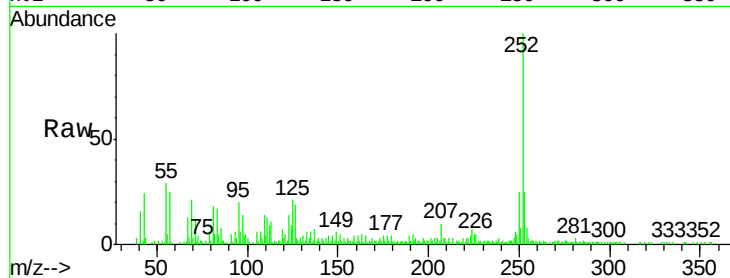




#87
Benzo(b)fluoranthene
Concen: 4.76 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

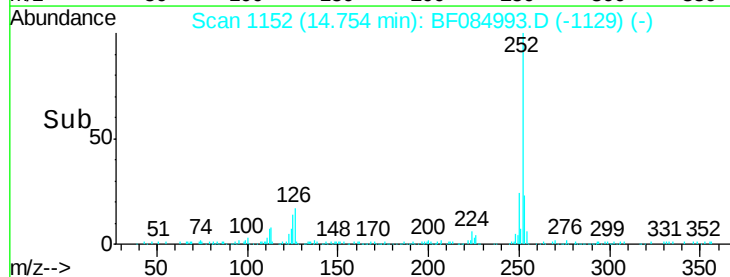
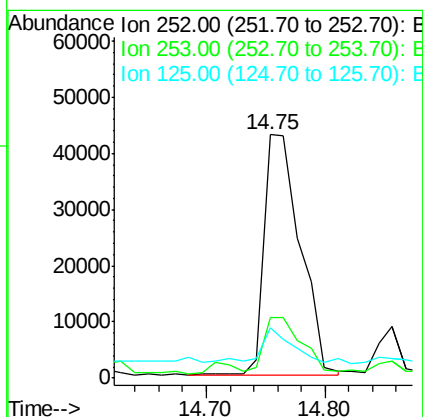
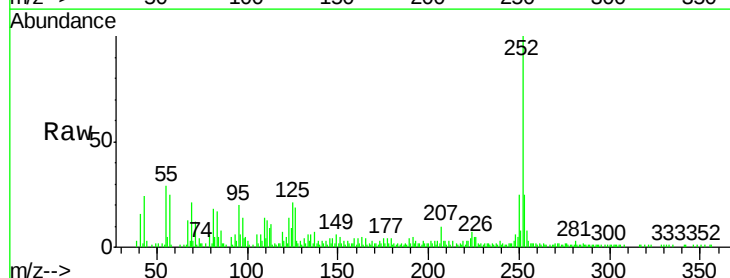
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

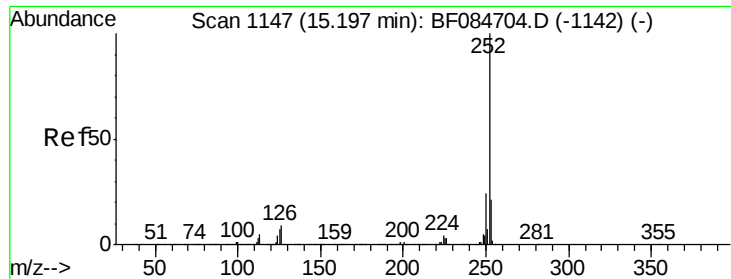
Tgt Ion:252 Resp: 89948
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 20.5 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 5.76 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:252 Resp: 89929
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 20.5 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 3.01 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF084993.D

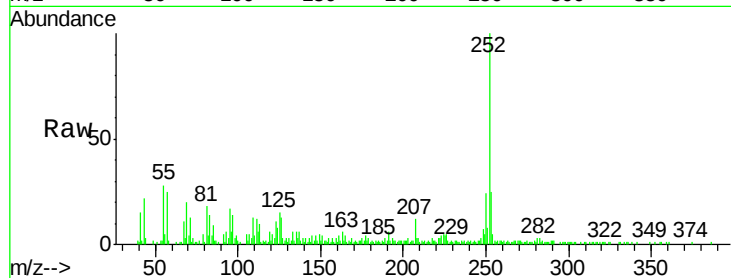
Acq: 10 Feb 2016 15:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-7E-(0-2)C



Tgt Ion:	252	Resp:	48420
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.3	25.9
125	15.4	7.0	10.4

