

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
 Data File : BF083291.D
 Acq On : 25 Nov 2015 23:47
 Operator : UM/IZ
 Sample : G4567-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB3

Quant Time: Nov 26 01:19:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	149443	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	556170	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	260836	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	417874	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	404014	20.00	ng	-0.08
86) Perylene-d12	15.07	264	367342	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	948572	95.96	ng	-0.09
7) Phenol-d6	6.26	99	1346271	105.26	ng	-0.08
23) Nitrobenzene-d5	7.15	82	837864	68.84	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	202630	75.93	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	1317040	70.41	ng	-0.07
78) Terphenyl-d14	12.69	244	956382	55.74	ng	-0.08

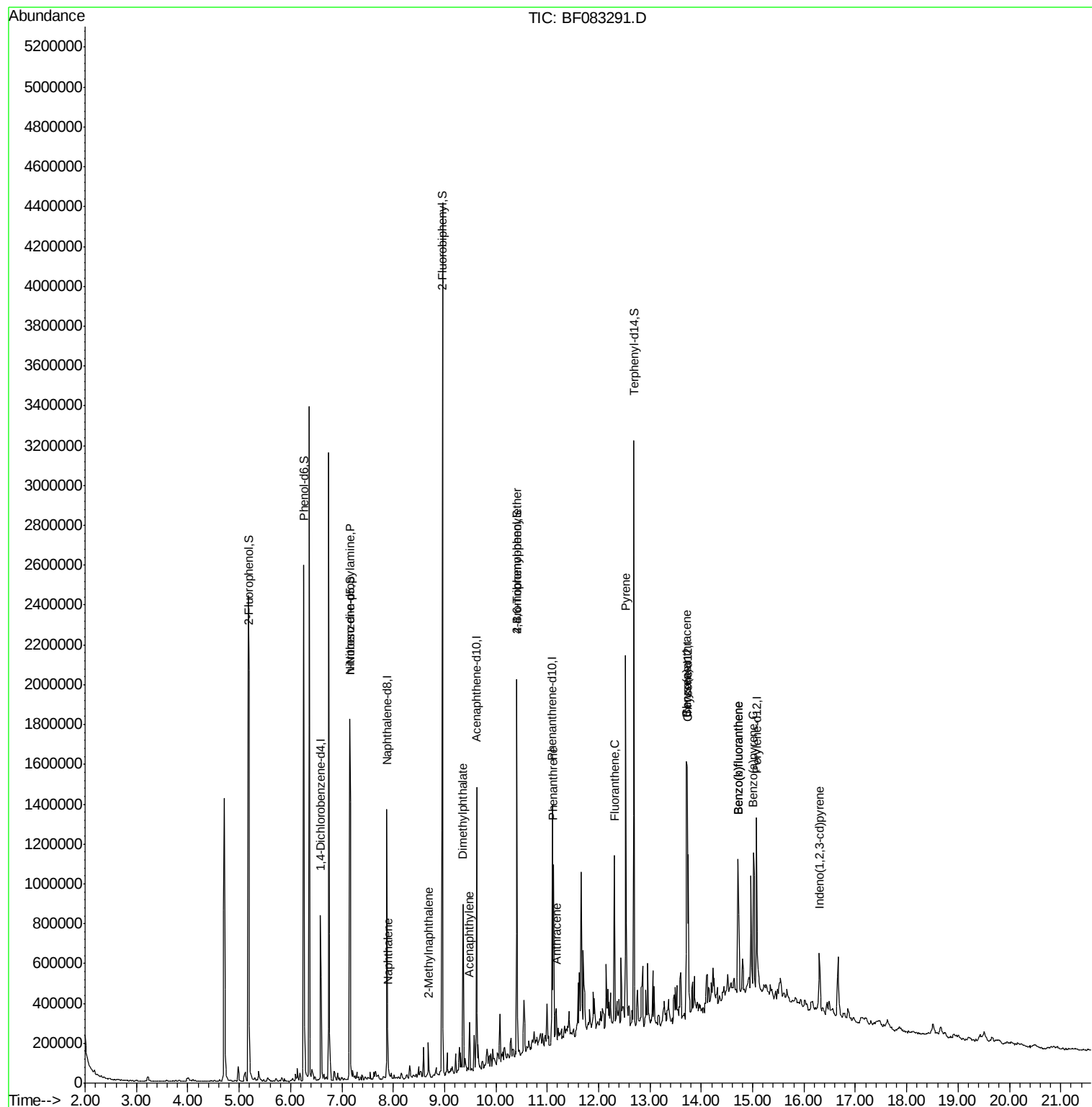
Target Compounds				Qvalue		
9) Benzaldehyde	6.14	77	6457	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	112672	12.66	ng	81
31) Naphthalene	7.90	128	101445	3.38	ng	97
37) 2-Methylnaphthalene	8.68	142	44581	2.29	ng	96
48) Acenaphthylene	9.48	152	94075	3.48	ng	99
49) Dimethylphthalate	9.36	163	303292	15.10	ng	98
66) 4-Bromophenyl-phenylether	10.41	248	14822	3.20	ng	# 1
70) Phenanthrene	11.12	178	324703	13.49	ng	98
71) Anthracene	11.18	178	90543	3.69	ng	97
74) Fluoranthene	12.31	202	514999	20.90	ng	95
77) Pyrene	12.53	202	749185	27.14	ng	99
80) Benzo(a)anthracene	13.71	228	350816	14.04	ng	# 86
82) Chrysene	13.71	228	350816	15.14	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.30	276	186887	8.87	ng	99
87) Benzo(b)fluoranthene	14.72	252	513601	20.46	ng	# 96
88) Benzo(k)fluoranthene	14.72	252	513601	27.46	ng	# 97
89) Benzo(a)pyrene	15.02	252	354806	17.12	ng	# 94

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083291.D
Acq On : 25 Nov 2015 23:47
Operator : UM/IZ
Sample : G4567-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB3

Quant Time: Nov 26 01:19:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 402

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

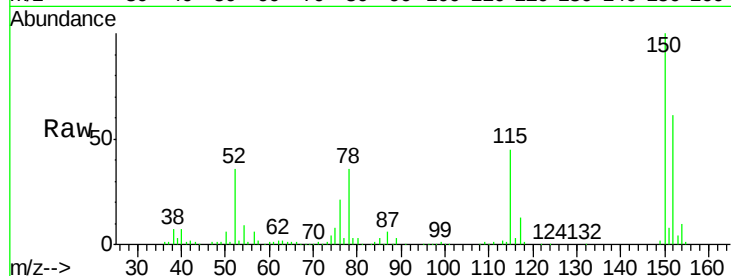
Tgt Ion:152 Resp: 149443

Ion Ratio Lower Upper

152 100

150 162.7 125.8 188.8

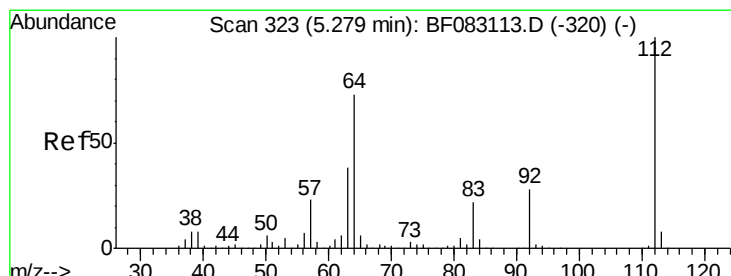
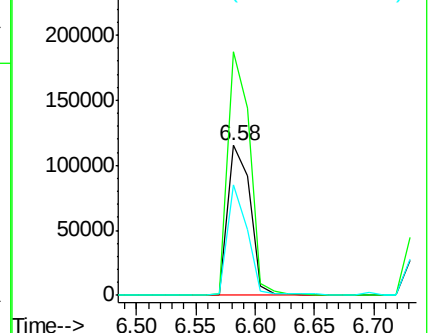
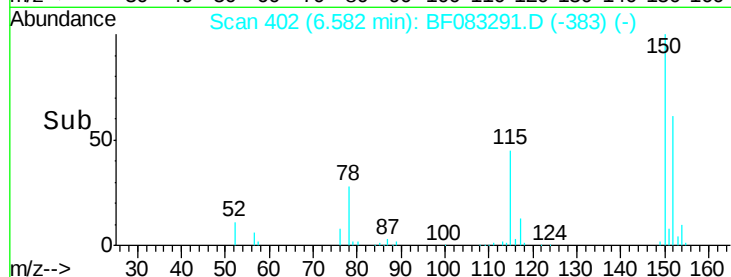
115 73.9 46.9 70.3#



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: 95.96 ng

RT: 5.19 min Scan# 280

Delta R.T. -0.09 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

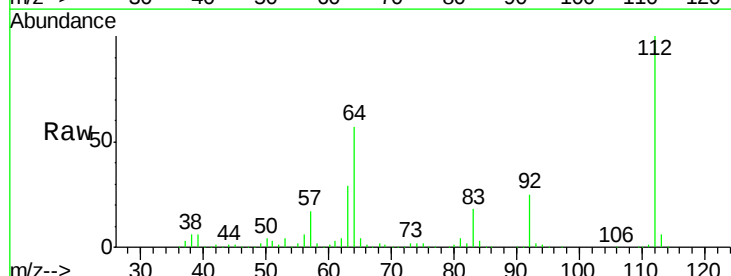
Tgt Ion:112 Resp: 948572

Ion Ratio Lower Upper

112 100

64 57.4 58.4 87.6#

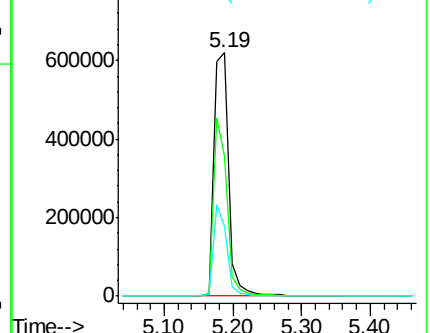
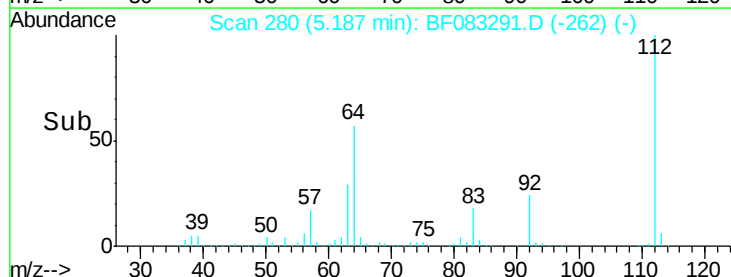
63 28.8 30.0 45.0#



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: 105.26 ng

RT: 6.26 min Scan# 374

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

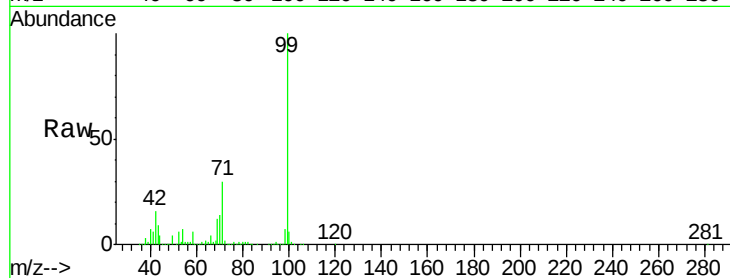
Tgt Ion: 99 Resp: 1346271

Ion Ratio Lower Upper

99 100

42 16.5 17.7 26.5#

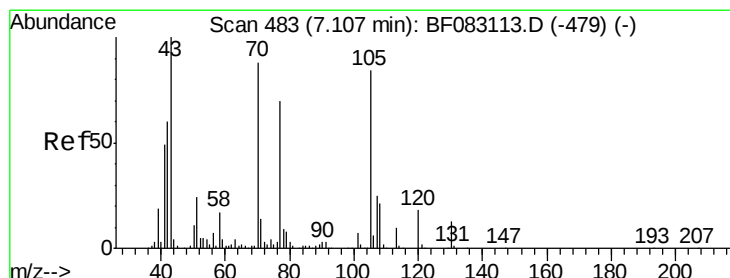
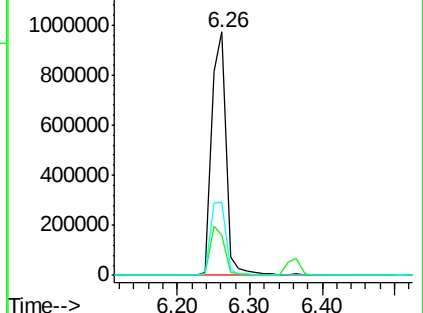
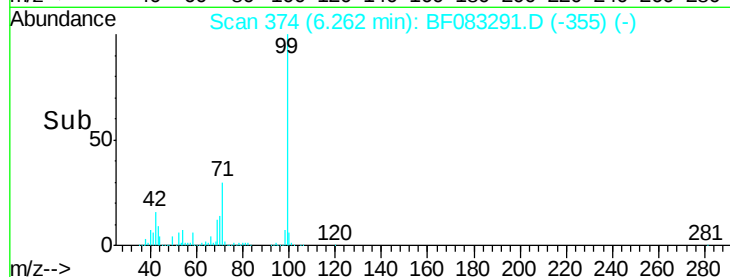
71 29.9 30.2 45.4#



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.66 ng

RT: 7.15 min Scan# 452

Delta R.T. 0.05 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Tgt Ion: 70 Resp: 112672

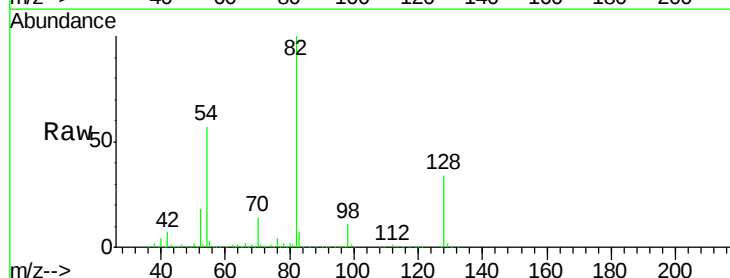
Ion Ratio Lower Upper

70 100

42 54.7 54.5 81.7

101 0.0 6.6 9.8#

130 2.0 11.5 17.3#

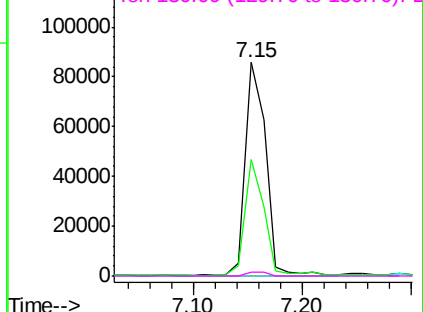
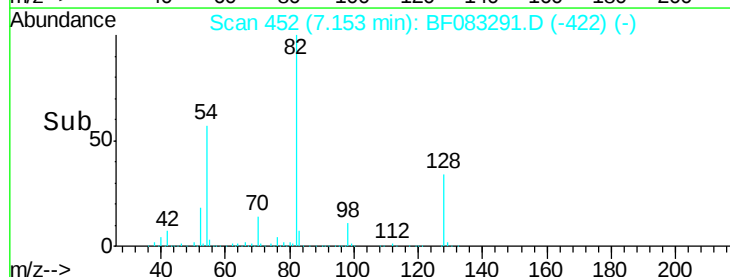


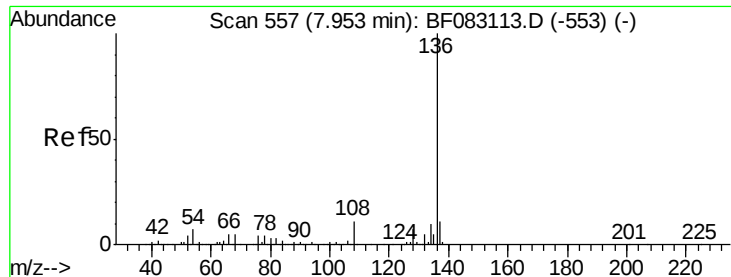
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

Tgt Ion:136 Resp: 556170

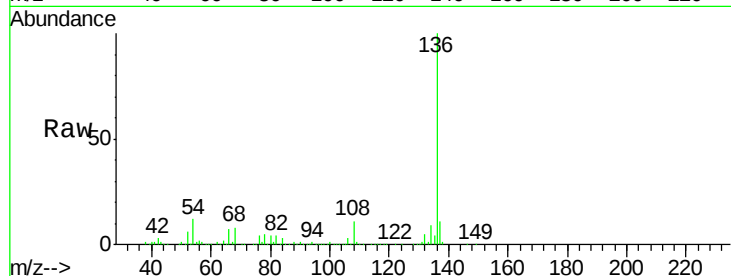
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 12.1 5.8 8.6#

68 8.5 3.8 5.8#

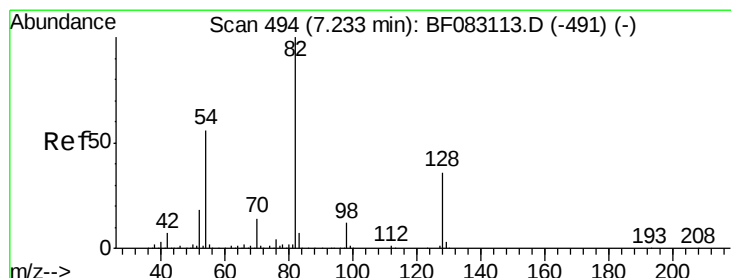
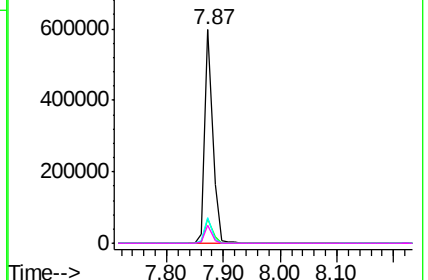
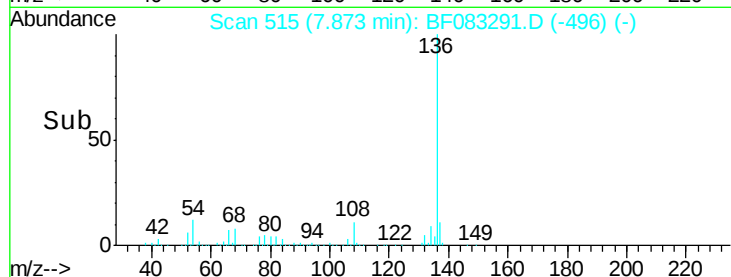


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.84 ng

RT: 7.15 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

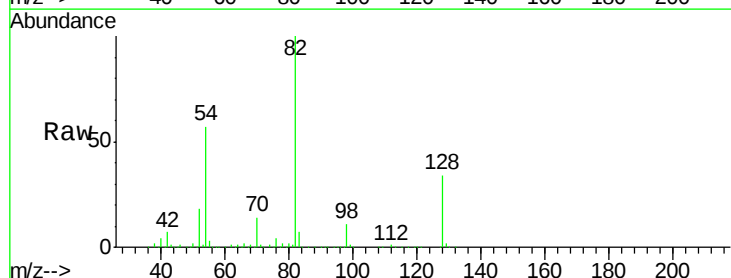
Tgt Ion: 82 Resp: 837864

Ion Ratio Lower Upper

82 100

128 34.0 28.5 42.7

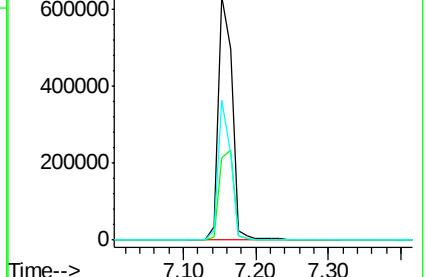
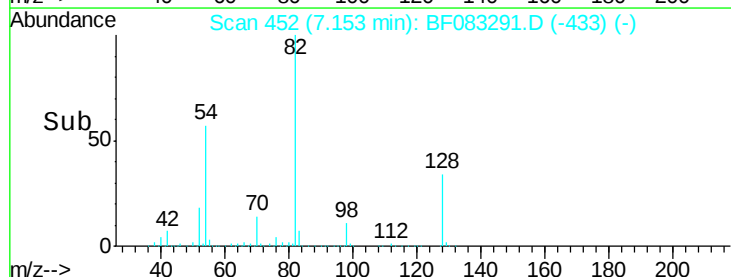
54 57.3 44.6 67.0

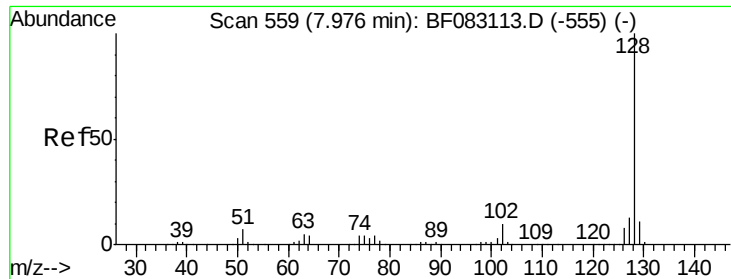


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

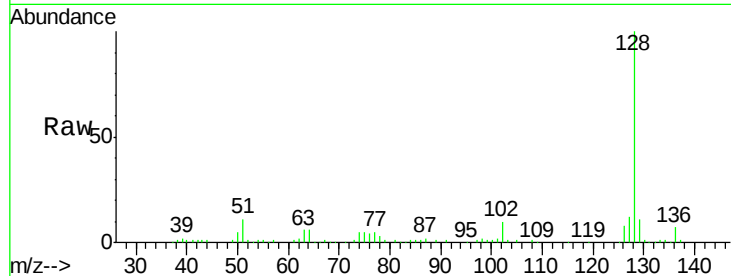




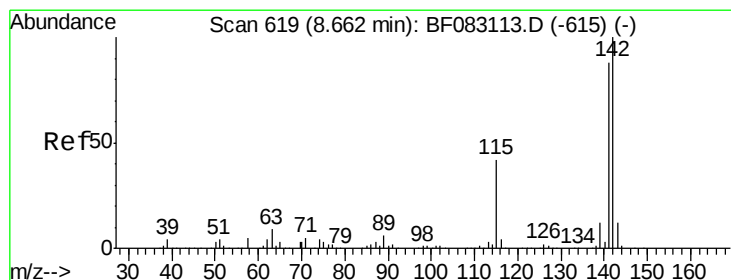
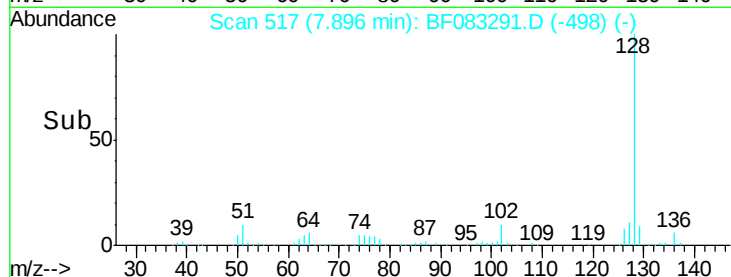
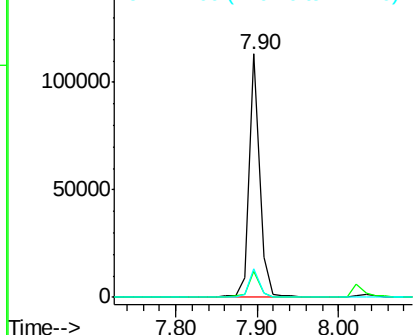
#31
Naphthalene
Concen: 3.38 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.08 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB3

Tgt Ion:128 Resp: 101445
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 11.7 10.6 15.8

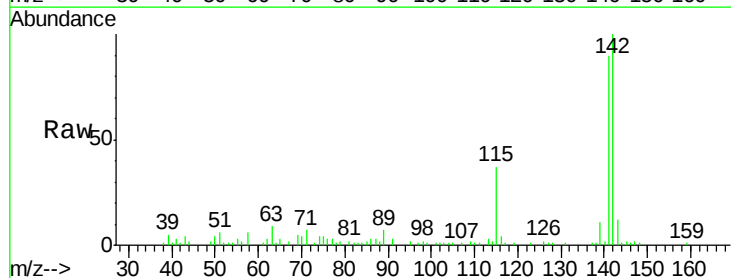


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

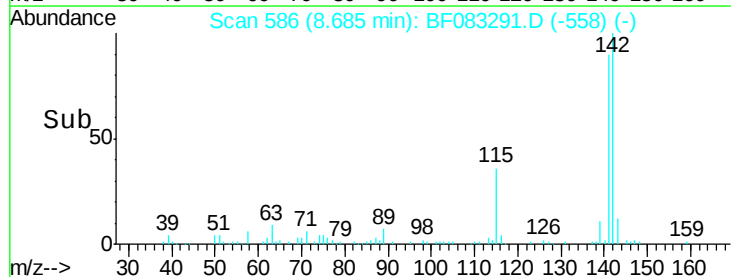
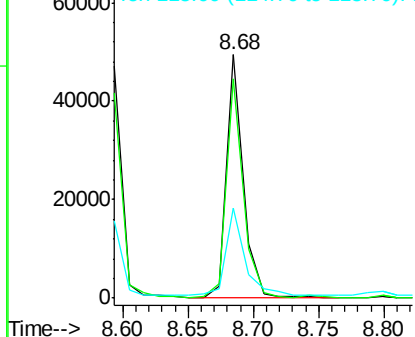


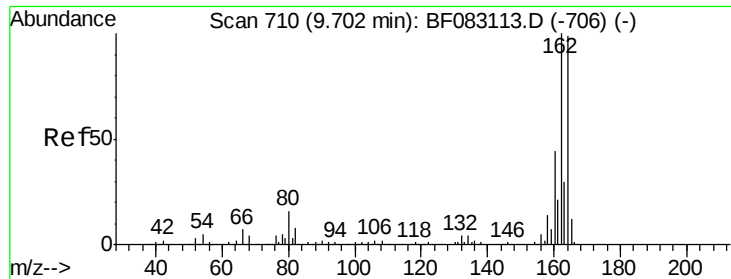
#37
2-Methylnaphthalene
Concen: 2.29 ng
RT: 8.68 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Tgt Ion:142 Resp: 44581
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 36.9 33.4 50.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 668

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

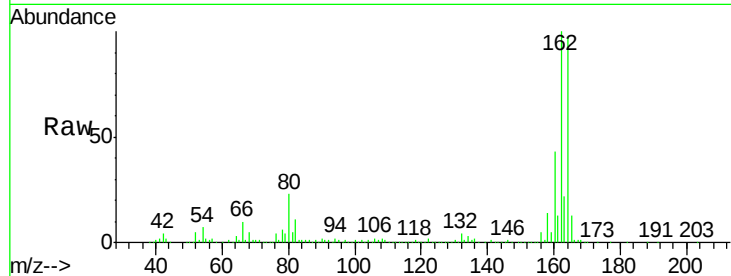
Tgt Ion:164 Resp: 260836

Ion Ratio Lower Upper

164 100

162 103.2 81.2 121.8

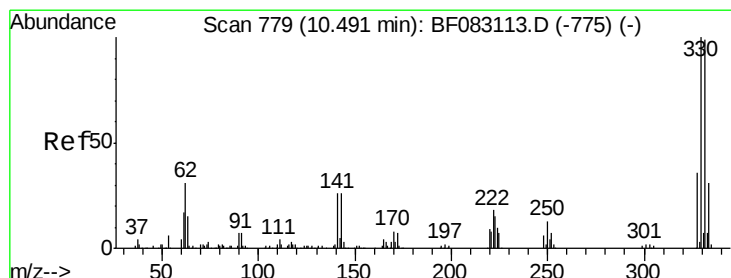
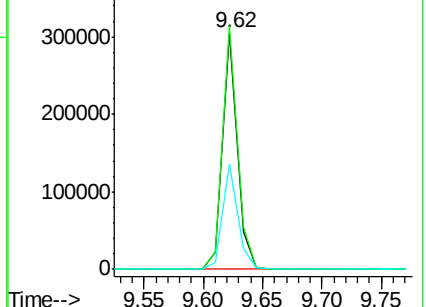
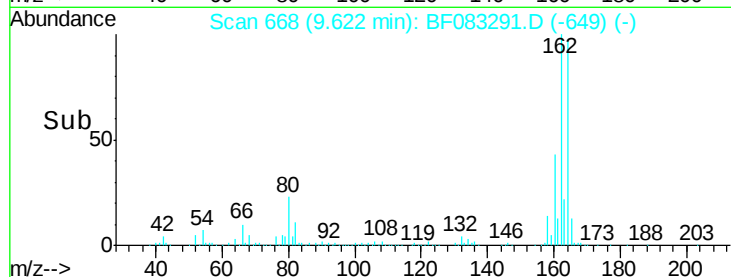
160 44.4 35.6 53.4



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: 75.93 ng

RT: 10.41 min Scan# 737

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

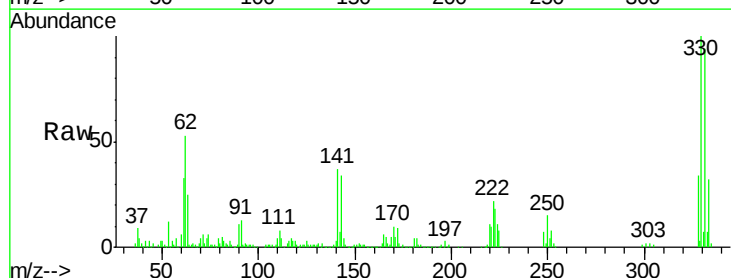
Tgt Ion:330 Resp: 202630

Ion Ratio Lower Upper

330 100

332 95.4 77.7 116.5

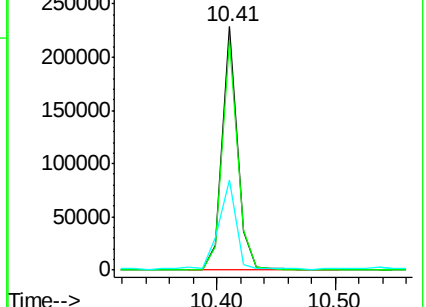
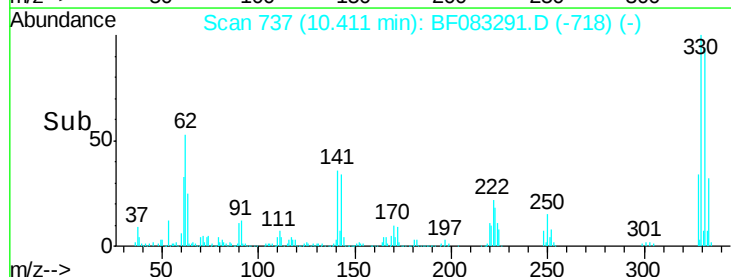
141 42.2 29.7 44.5

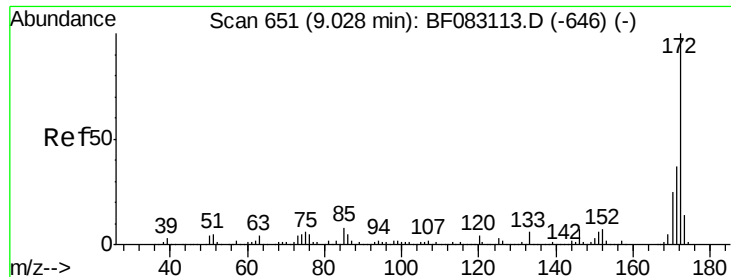


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

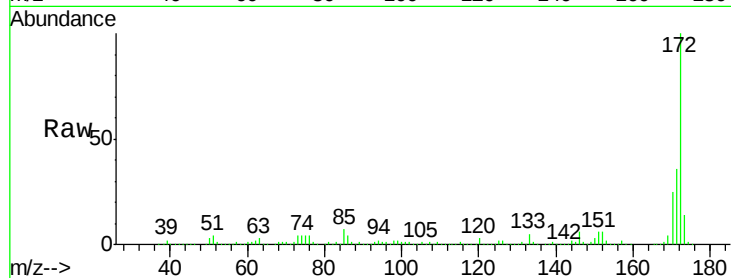




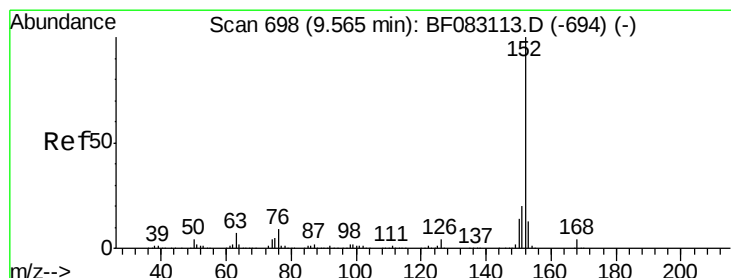
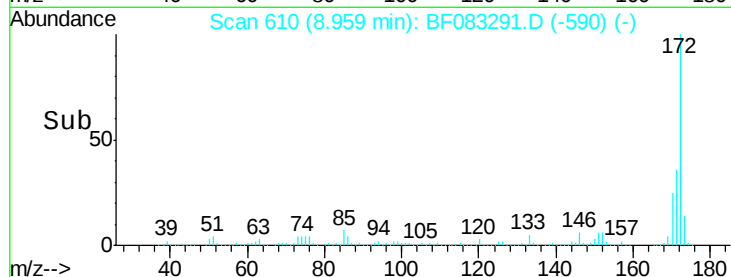
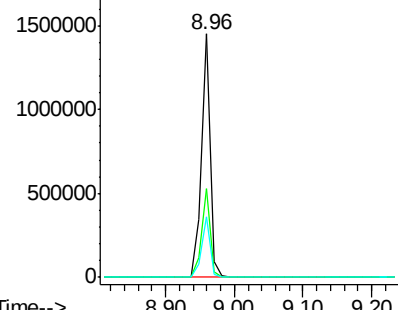
#44
 2-Fluorobiphenyl
 Concen: 70.41 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083291.D
 Acq: 25 Nov 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB3

Tgt Ion:172 Resp: 1317040
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.5 44.3
 170 24.7 19.9 29.9

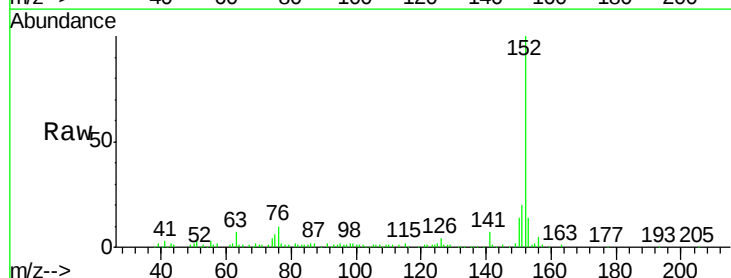


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

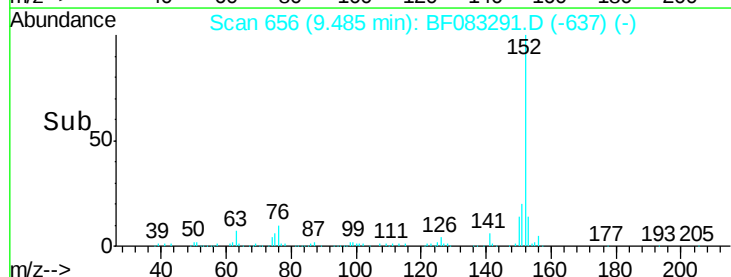
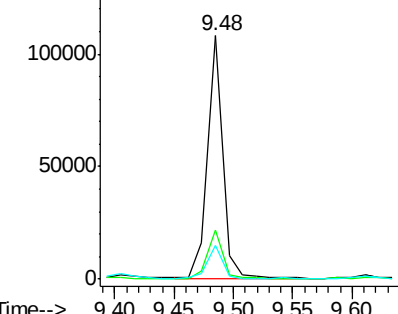


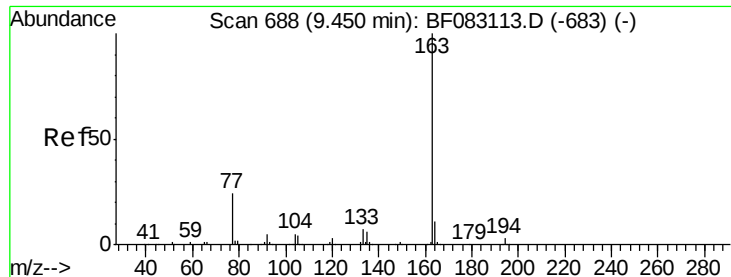
#48
 Acenaphthylene
 Concen: 3.48 ng
 RT: 9.48 min Scan# 656
 Delta R.T. -0.08 min
 Lab File: BF083291.D
 Acq: 25 Nov 2015 23:47

Tgt Ion:152 Resp: 94075
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.3 24.5
 153 13.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 150000 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

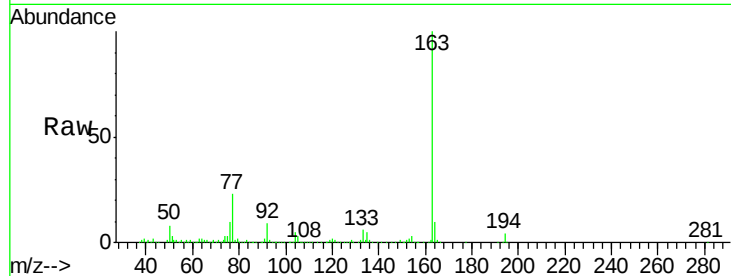




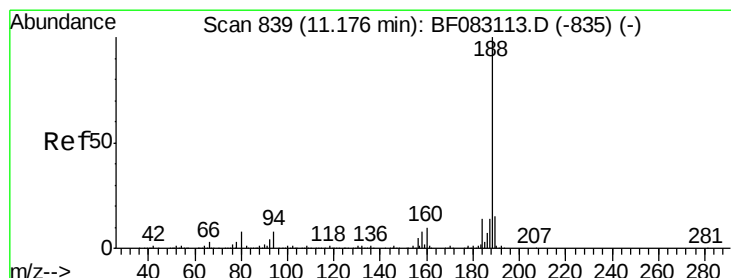
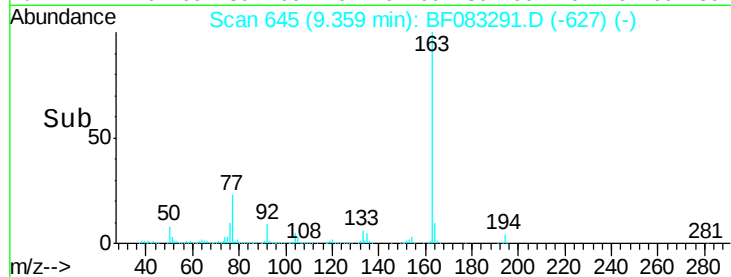
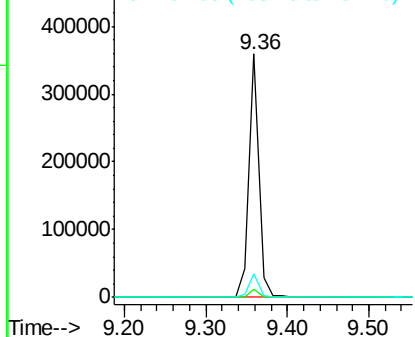
#49
Dimethylphthalate
Concen: 15.10 ng
RT: 9.36 min Scan# 645
Delta R.T. -0.09 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB3

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.8	8.6	12.8

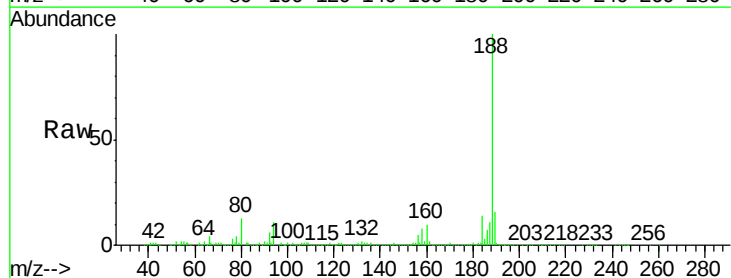


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

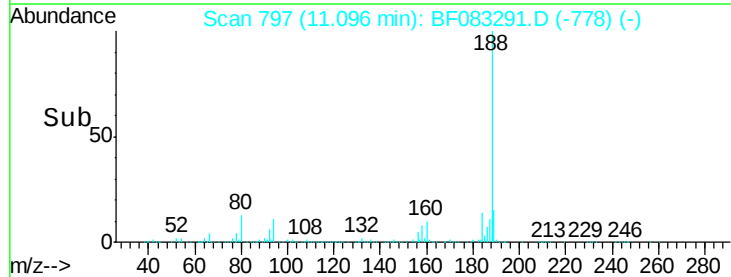
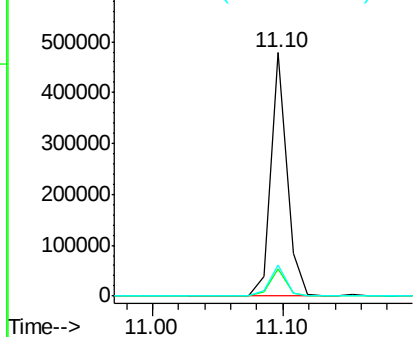


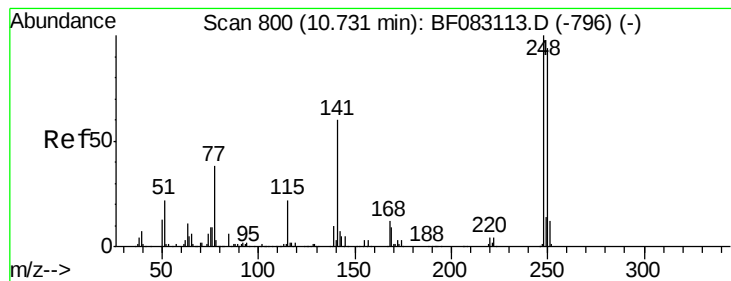
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 797
Delta R.T. -0.08 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	6.0	9.0#
80	12.9	6.7	10.1#



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: 3.20 ng

RT: 10.41 min Scan# 737

Delta R.T. -0.32 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

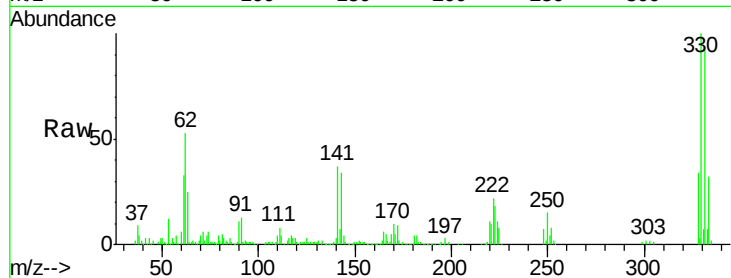
Tgt Ion:248 Resp: 14822

Ion Ratio Lower Upper

248 100

250 196.9 75.4 113.2#

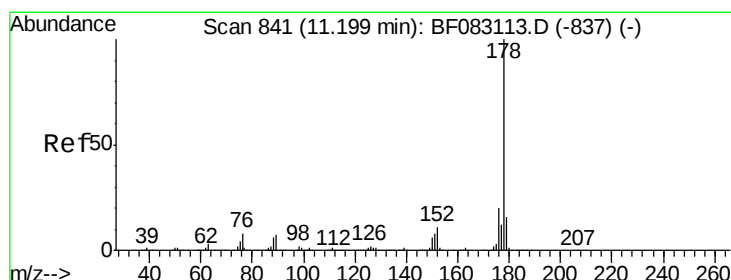
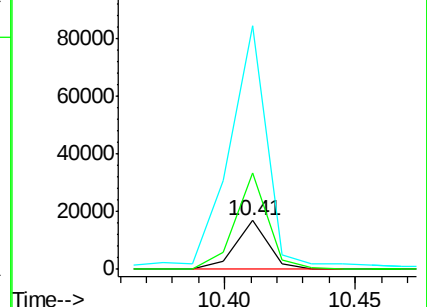
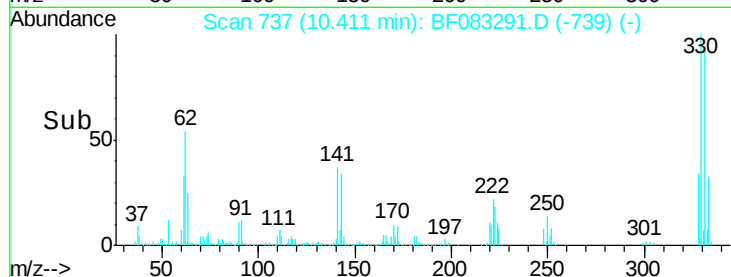
141 498.3 48.1 72.1#



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: 13.49 ng

RT: 11.12 min Scan# 799

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

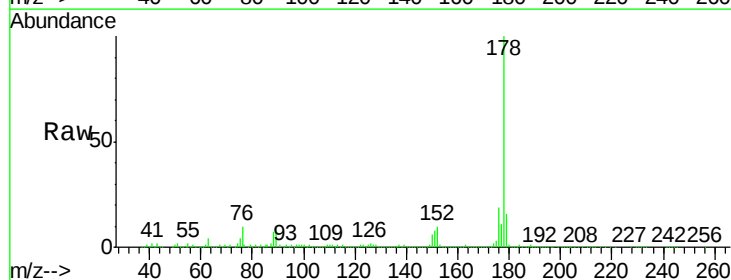
Tgt Ion:178 Resp: 324703

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.2

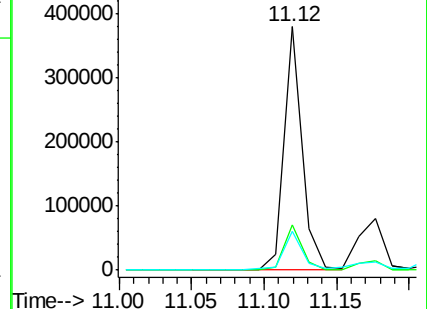
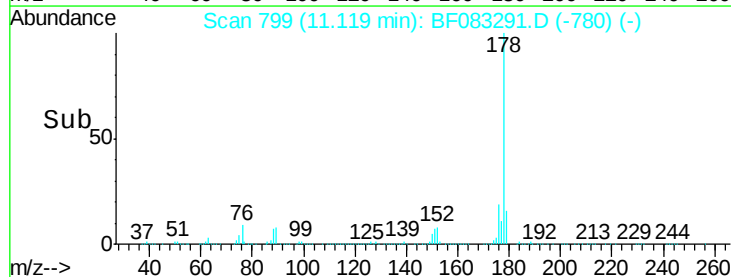
179 16.1 12.8 19.2

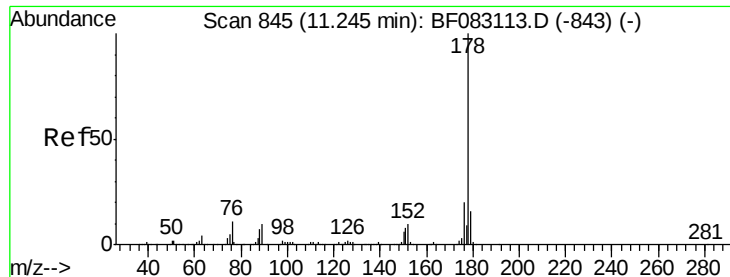


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

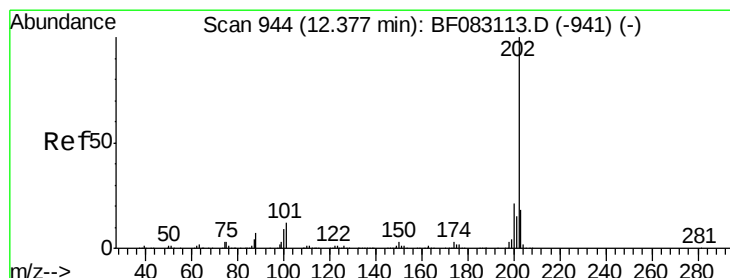
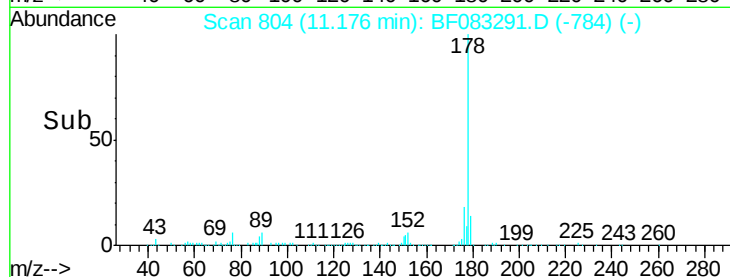
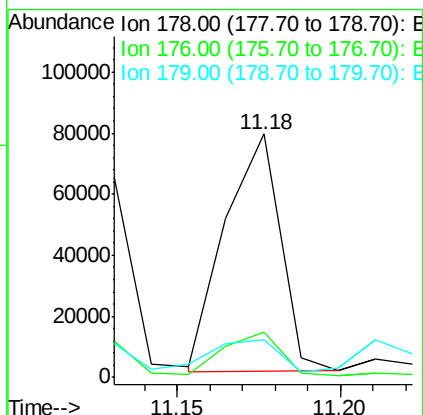
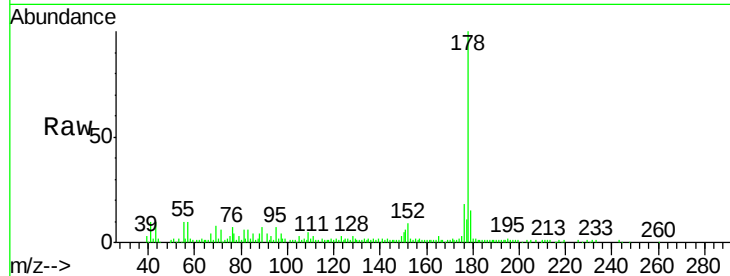




#71
 Anthracene
 Concen: 3.69 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.07 min
 Lab File: BF083291.D
 Acq: 25 Nov 2015 23:47

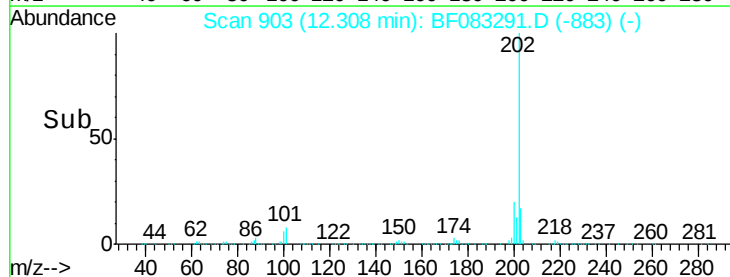
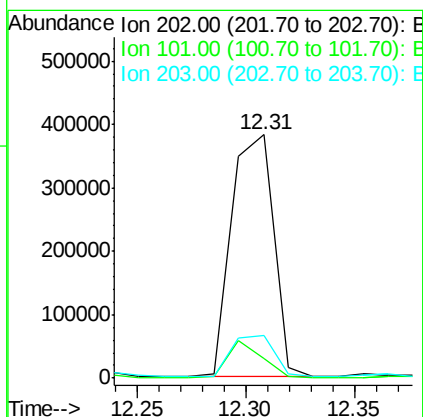
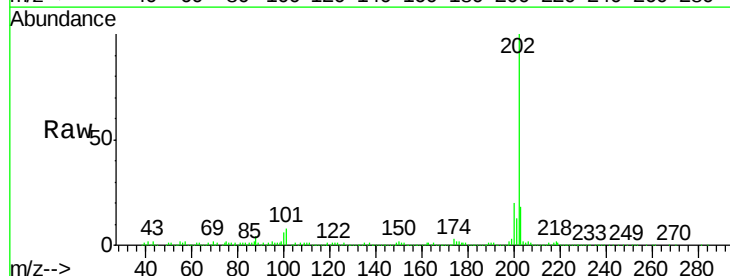
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB3

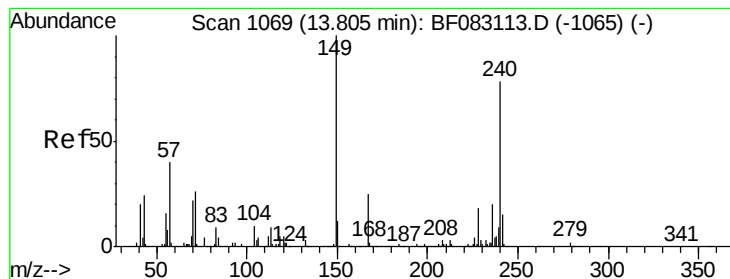
Tgt Ion:178 Resp: 90543
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 15.4 13.2 19.8



#74
 Fluoranthene
 Concen: 20.90 ng
 RT: 12.31 min Scan# 903
 Delta R.T. -0.07 min
 Lab File: BF083291.D
 Acq: 25 Nov 2015 23:47

Tgt Ion:202 Resp: 514999
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 32.3
 203 17.6 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

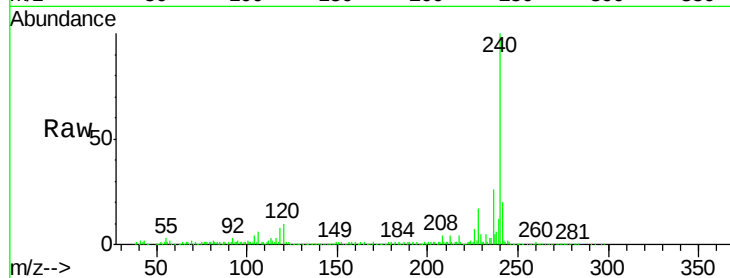
Tgt Ion:240 Resp: 404014

Ion Ratio Lower Upper

240 100

120 9.6 5.4 8.2#

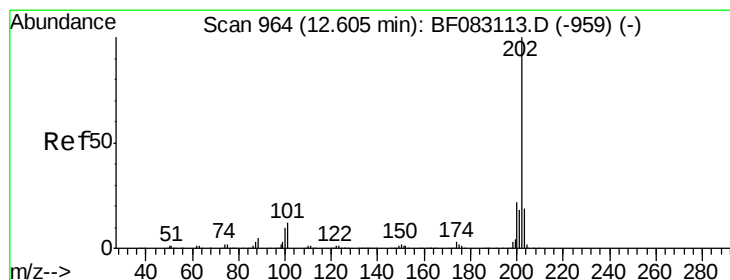
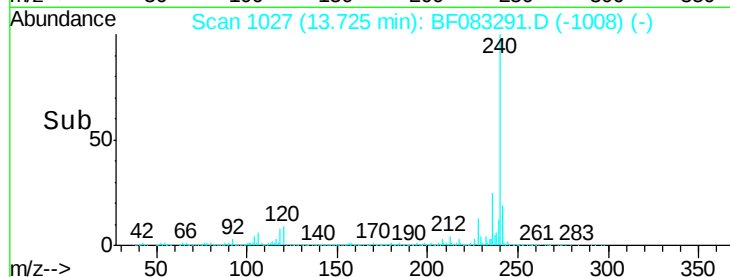
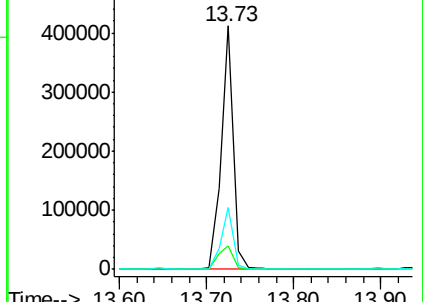
236 25.6 20.6 31.0



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



#77

Pyrene

Concen: 27.14 ng

RT: 12.53 min Scan# 922

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

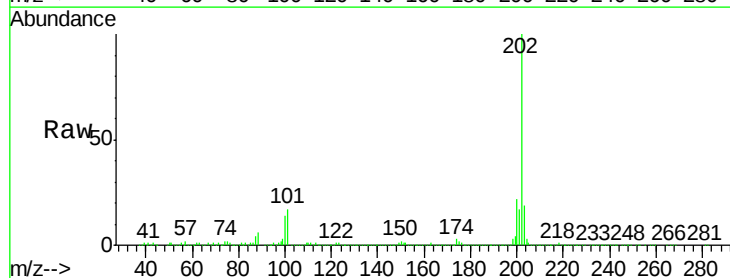
Tgt Ion:202 Resp: 749185

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

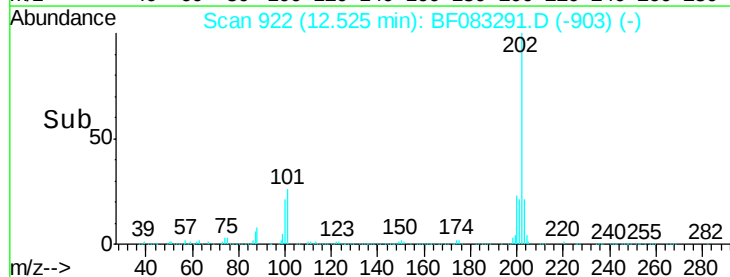
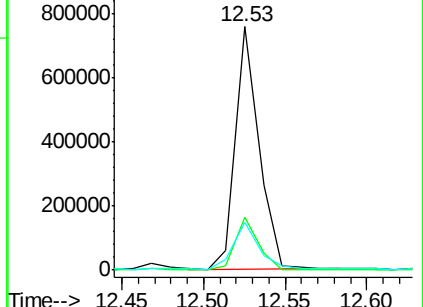
203 19.4 15.0 22.4

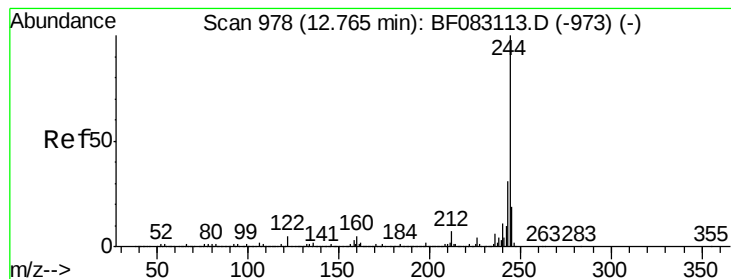


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.74 ng

RT: 12.69 min Scan# 936

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

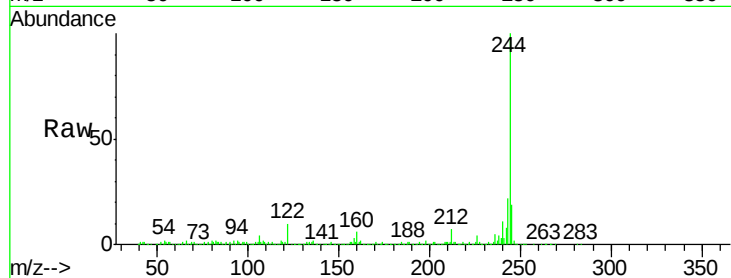
Tgt Ion:244 Resp: 956382

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

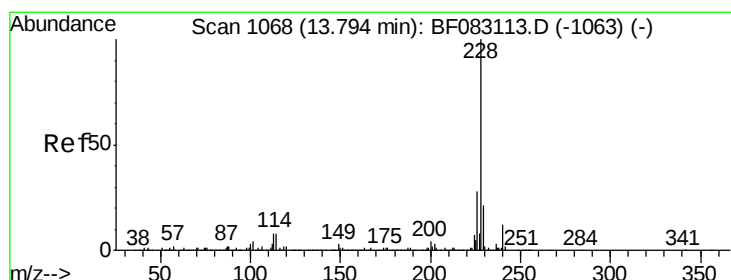
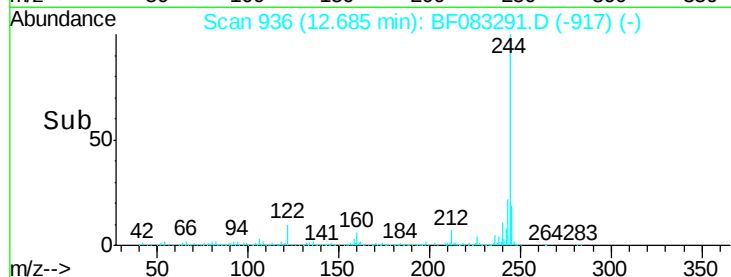
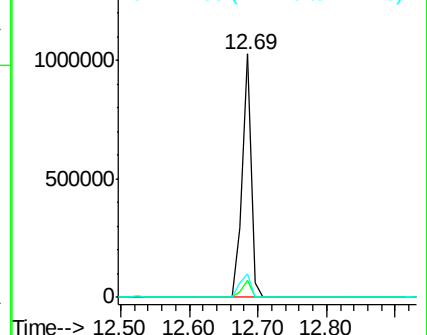
122 9.7 4.3 6.5#



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: 14.04 ng

RT: 13.71 min Scan# 1026

Delta R.T. -0.08 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

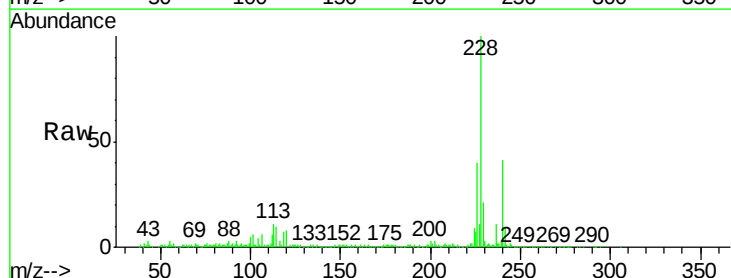
Tgt Ion:228 Resp: 350816

Ion Ratio Lower Upper

228 100

226 40.5 22.6 33.8#

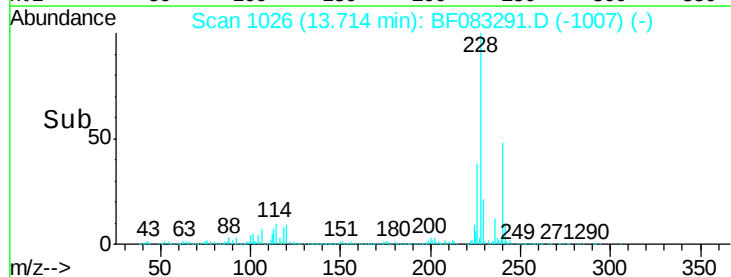
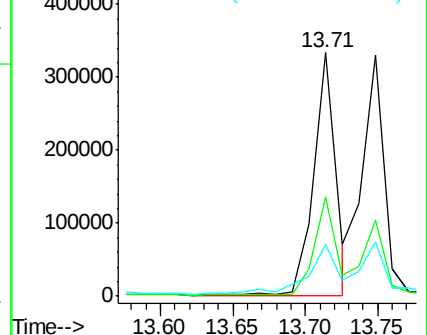
229 21.3 16.6 24.8

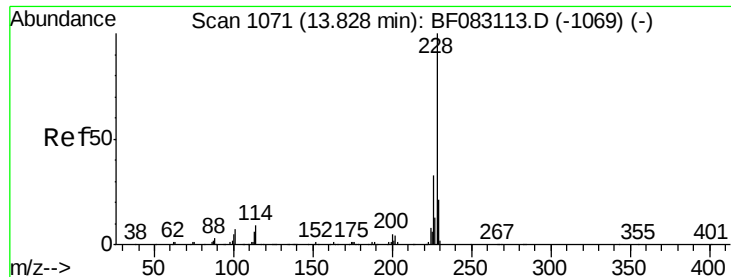


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.14 ng

RT: 13.71 min Scan# 1026

Delta R.T. -0.11 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

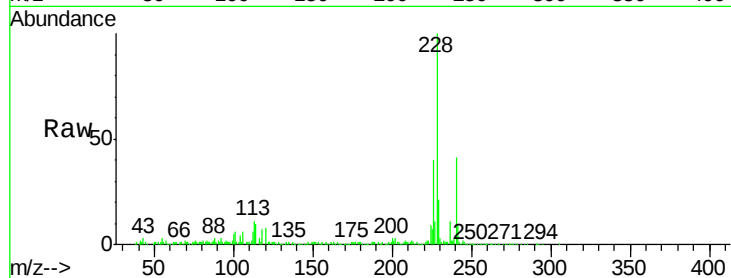
Tgt Ion:228 Resp: 350816

Ion Ratio Lower Upper

228 100

226 40.5 25.5 38.3#

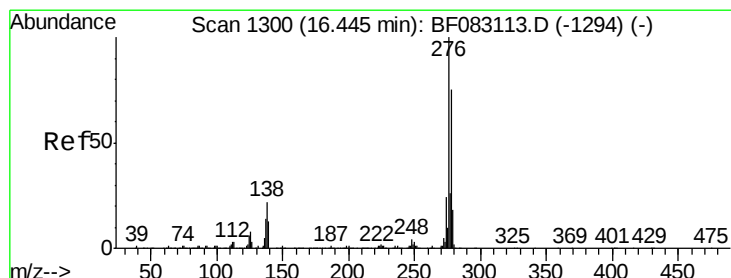
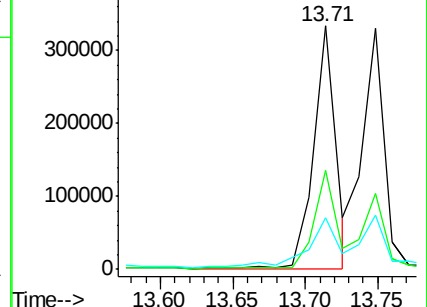
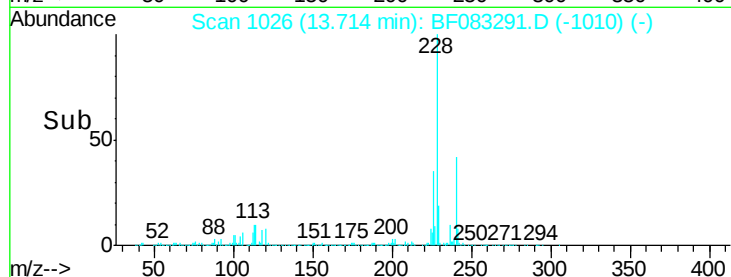
229 21.3 16.6 25.0



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: 8.87 ng

RT: 16.30 min Scan# 1252

Delta R.T. -0.15 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

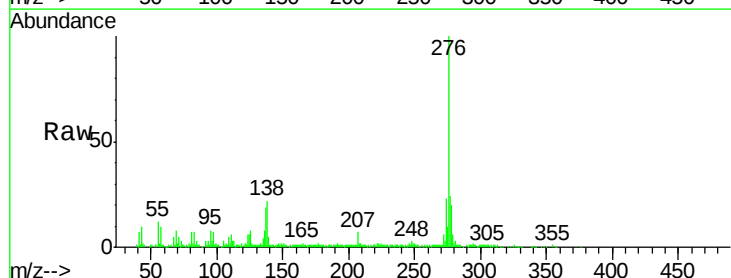
Tgt Ion:276 Resp: 186887

Ion Ratio Lower Upper

276 100

138 22.4 18.0 27.0

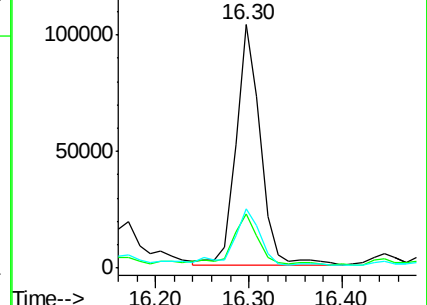
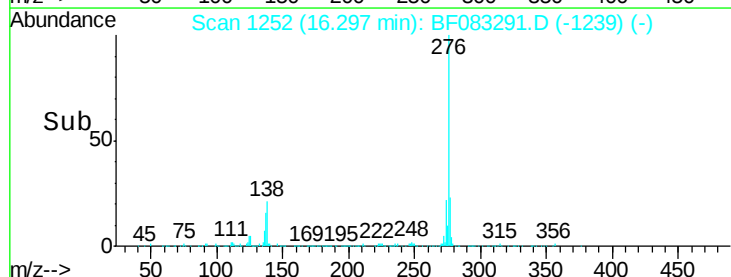
277 26.4 20.2 30.4

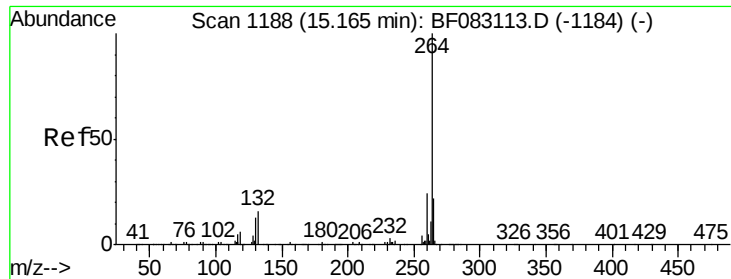


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



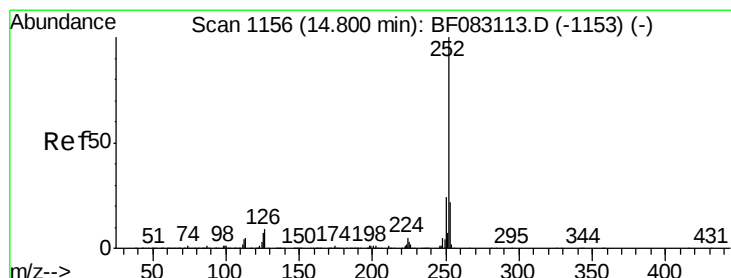
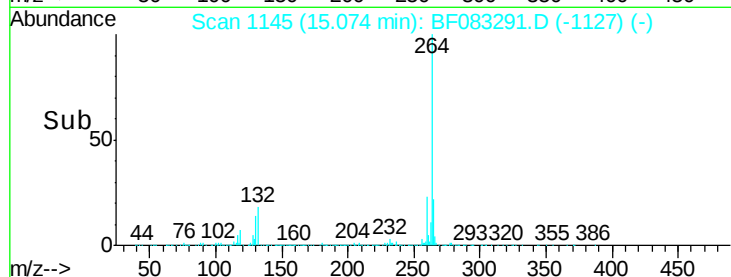
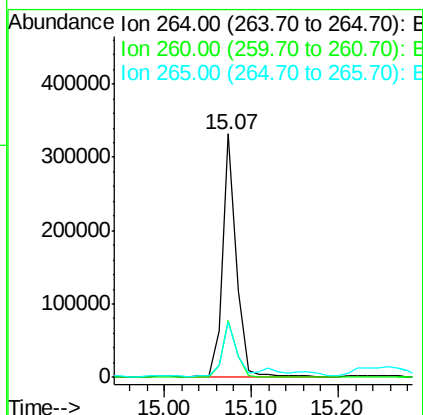
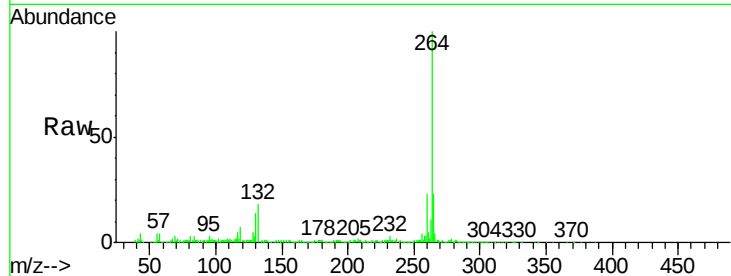


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1145
Delta R.T. -0.09 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB3

Tgt Ion: 264 Resp: 367342

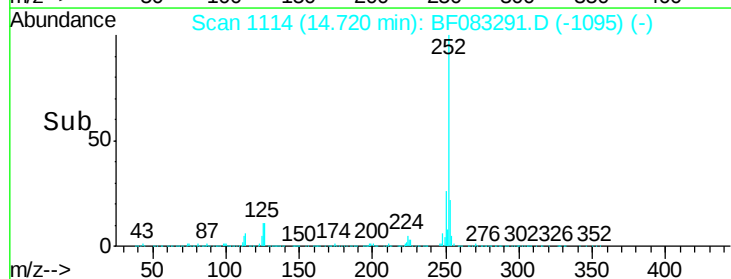
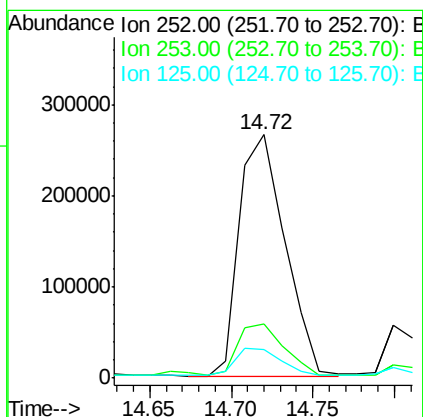
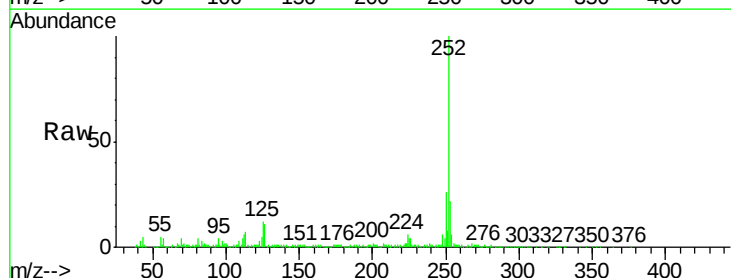
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.6	18.2	27.4

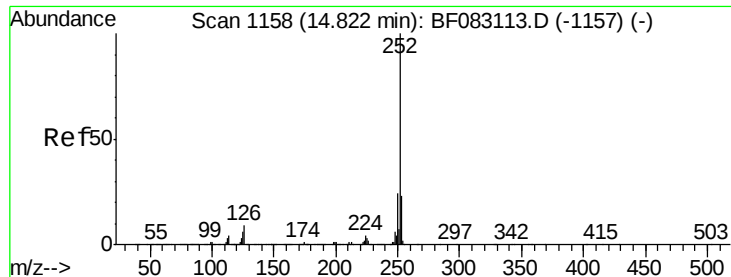


#87
Benzo(b)fluoranthene
Concen: 20.46 ng
RT: 14.72 min Scan# 1114
Delta R.T. -0.08 min
Lab File: BF083291.D
Acq: 25 Nov 2015 23:47

Tgt Ion: 252 Resp: 513601

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.7	5.6	8.4#





#88

Benzo(k)fluoranthene

Concen: 27.46 ng

RT: 14.72 min Scan# 1114

Delta R.T. -0.10 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

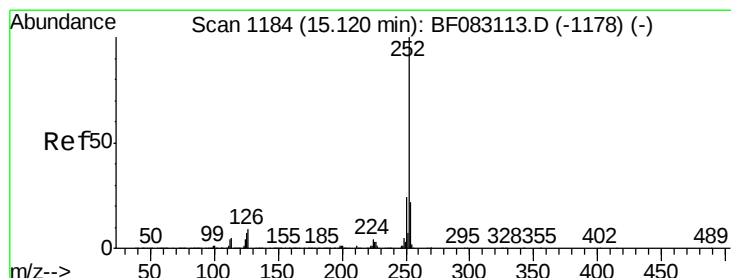
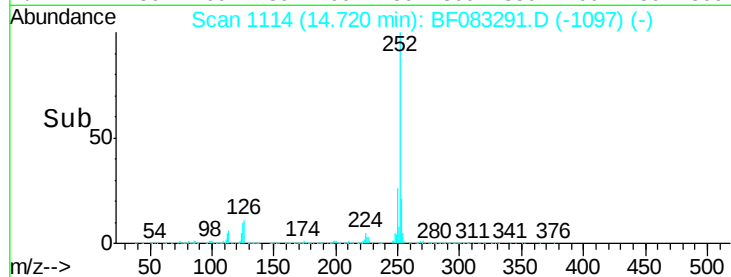
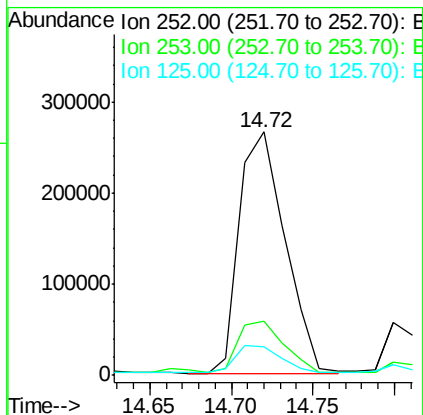
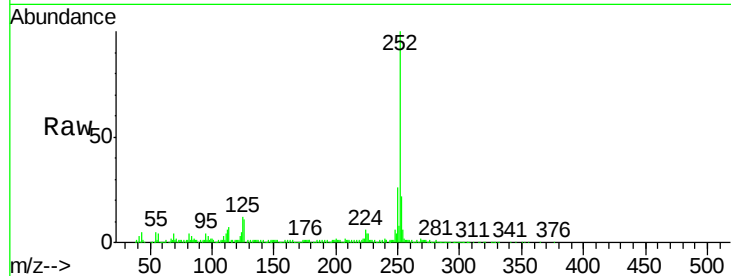
Instrument :

BNA_F

ClientSampleId :

STOCKPILE-GRAB3

Tgt Ion:	252	Resp:	513601
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	11.7	6.8	10.2#



#89

Benzo(a)pyrene

Concen: 17.12 ng

RT: 15.02 min Scan# 1140

Delta R.T. -0.10 min

Lab File: BF083291.D

Acq: 25 Nov 2015 23:47

Tgt Ion:	252	Resp:	354806
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	15.2	5.4	8.0#

