

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084476.D
 Acq On : 14 Jan 2016 8:16
 Operator : SJ/UM
 Sample : H1058-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONTAMINATED-DRUM(1-2)COMP

Quant Time: Jan 14 16:32:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

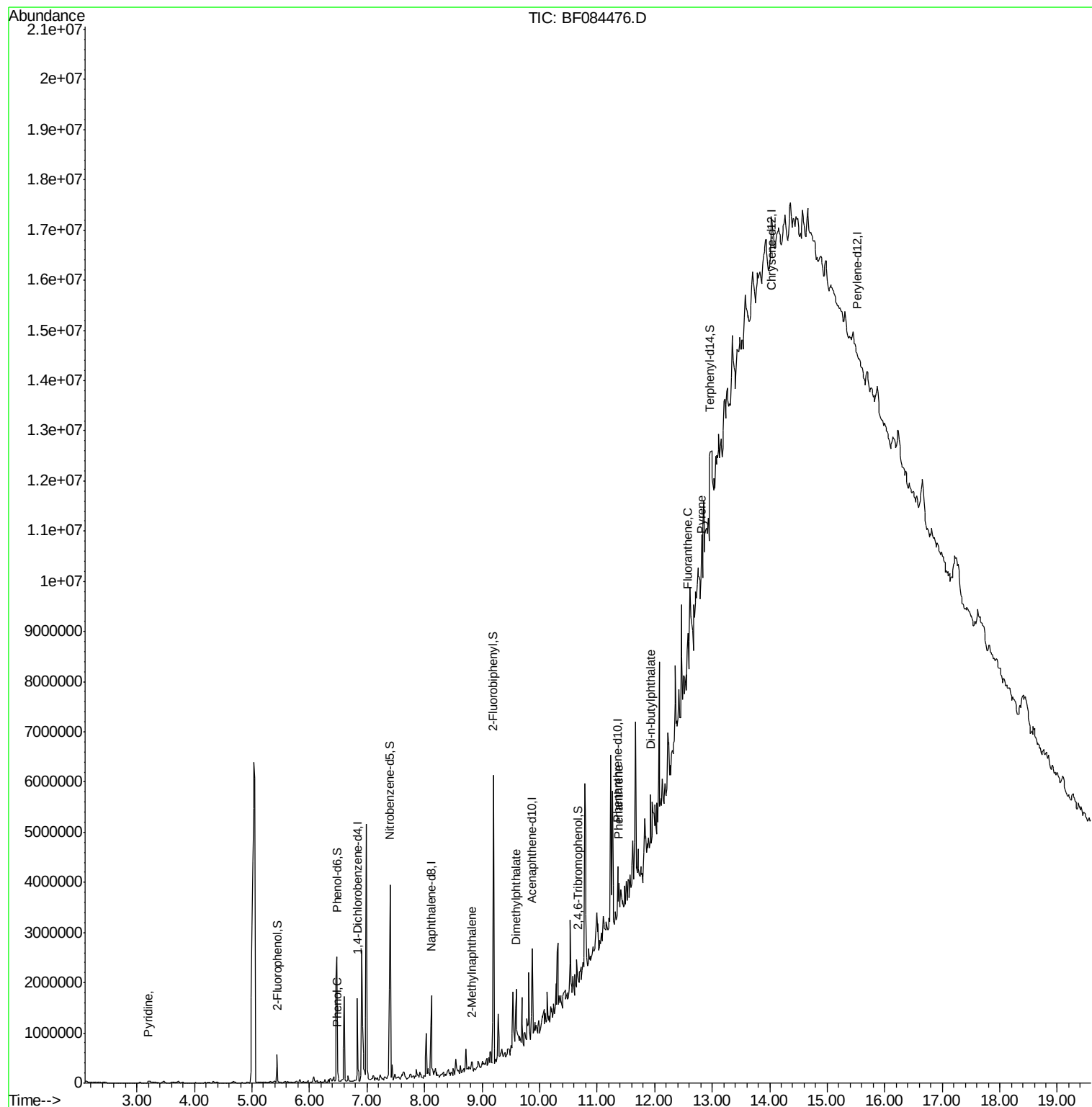
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	217393	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	783029	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	289832	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	448166	20.00	ng	0.00
75) Chrysene-d12	14.03	240	185163	20.00	ng	0.03
86) Perylene-d12	15.52	264	172807	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	188517	14.03	ng	0.00
7) Phenol-d6	6.48	99	1153952	68.36	ng	0.00
23) Nitrobenzene-d5	7.40	82	1337556	95.07	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	18794	6.42	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1521172	92.92	ng	0.00
78) Terphenyl-d14	12.96	244	837791	101.00	ng	0.01
Target Compounds						
3) Pyridine	3.20	79	51813	2.92	ng	Qvalue # 84
10) Phenol	6.49	94	58209	3.03	ng	80
37) 2-Methylnaphthalene	8.83	142	54984	2.16	ng	95
49) Dimethylphthalate	9.60	163	349220	16.85	ng	# 91
70) Phenanthrene	11.38	178	121137	5.17	ng	# 84
73) Di-n-butylphthalate	11.93	149	415809	13.17	ng	# 96
74) Fluoranthene	12.58	202	100745	4.11	ng	81
77) Pyrene	12.81	202	120149	8.27	ng	# 85

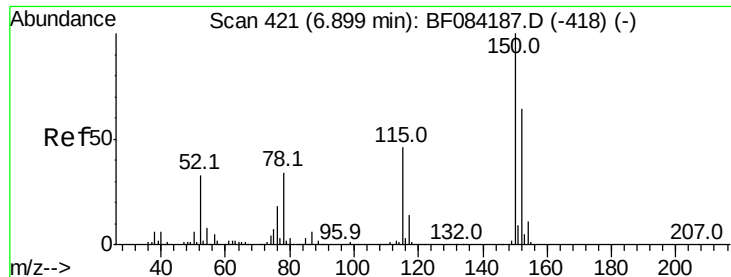
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 16:32:58 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

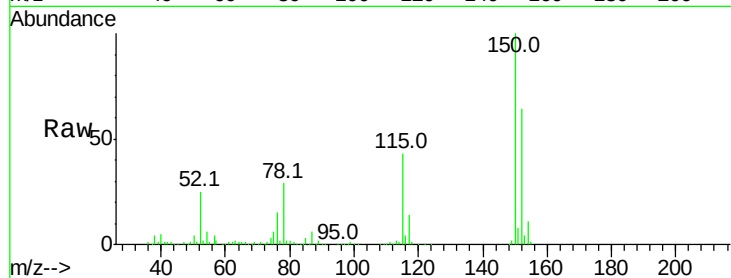
Tot Ion:152 Resp: 217393

Ion Ratio Lower Upper

152 100

150 155.4 123.0 184.4

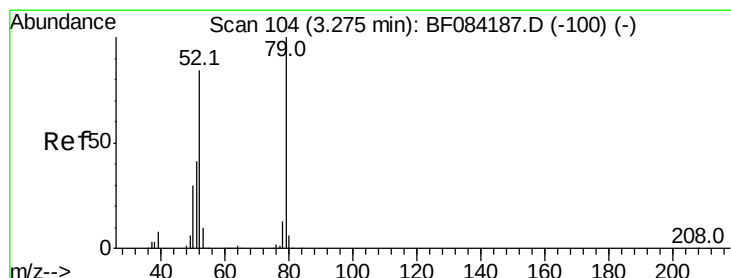
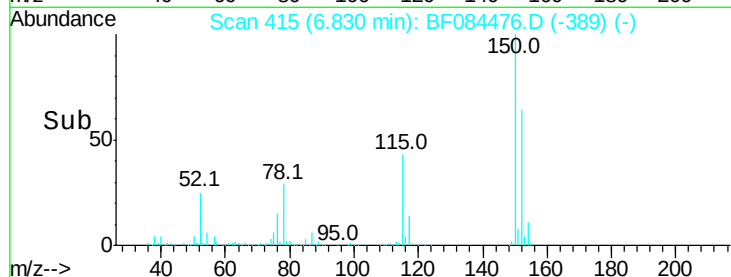
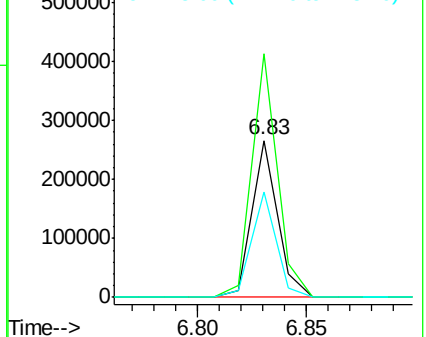
115 67.6 51.4 77.2



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



#3

Pyridine

Concen: 2.92 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.07 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

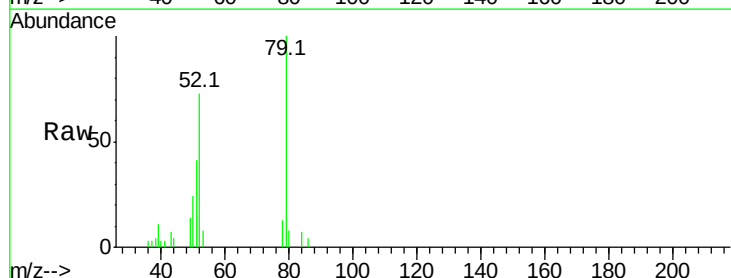
Tgt Ion: 79 Resp: 51813

Ion Ratio Lower Upper

79 100

52 72.8 49.0 73.4

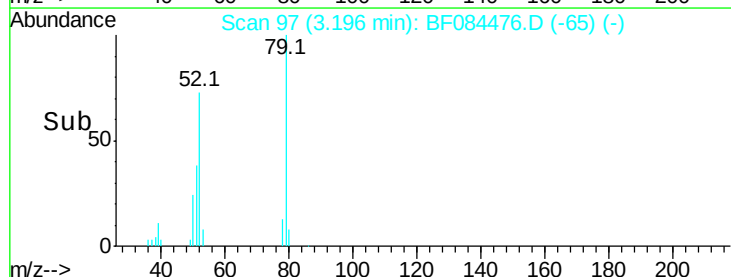
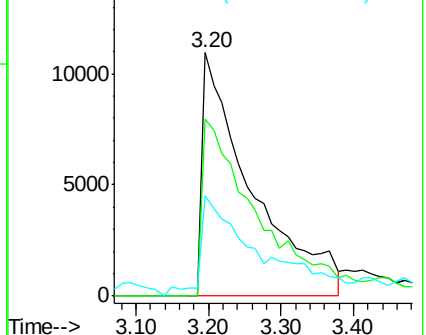
51 41.1 25.2 37.8#

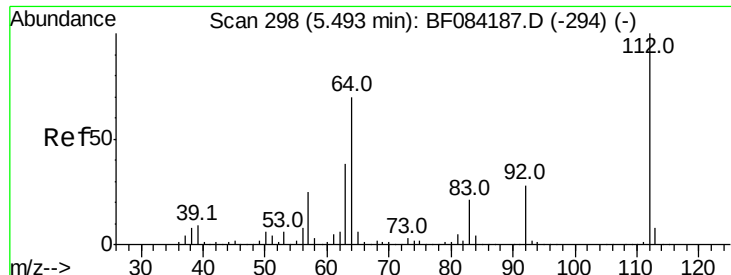


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 14.03 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

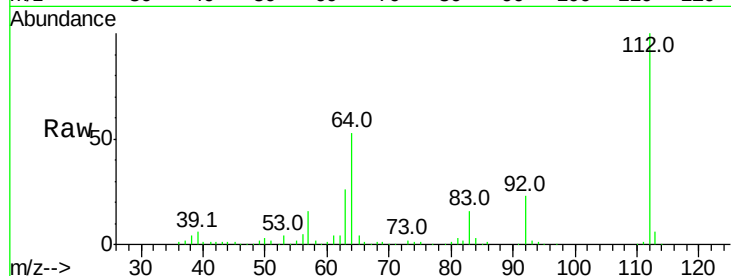
Tot Ion:112 Resp: 188517

Ion Ratio Lower Upper

112 100

64 52.9 36.6 55.0

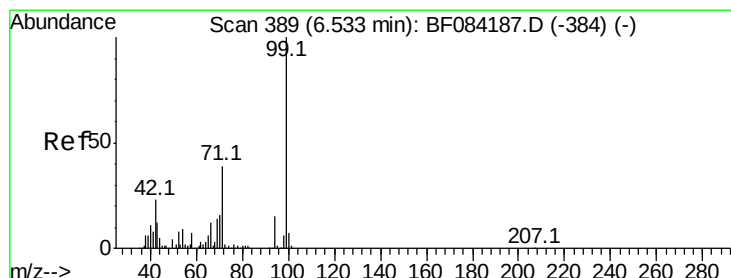
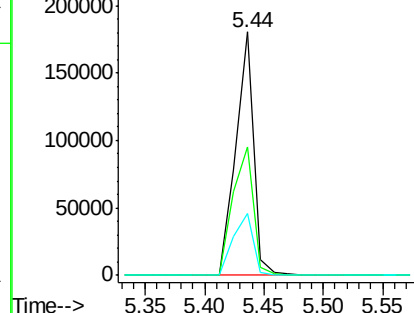
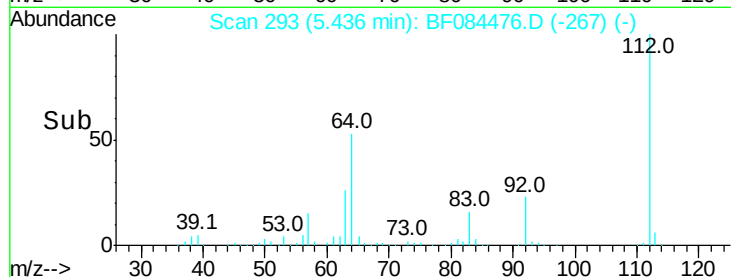
63 25.5 19.4 29.0



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: 68.36 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

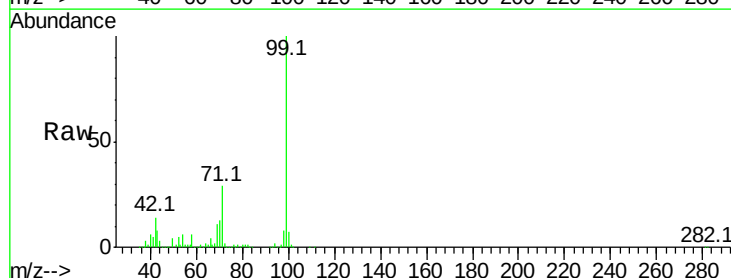
Tgt Ion: 99 Resp: 1153952

Ion Ratio Lower Upper

99 100

42 14.4 12.8 19.2

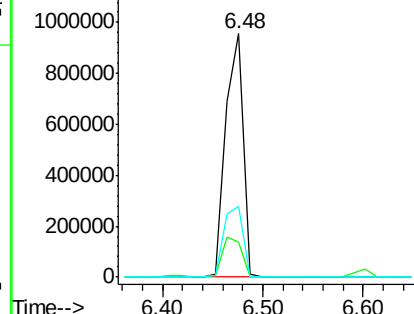
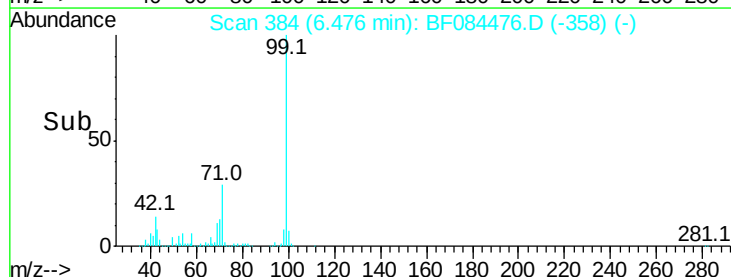
71 29.1 30.9 46.3#

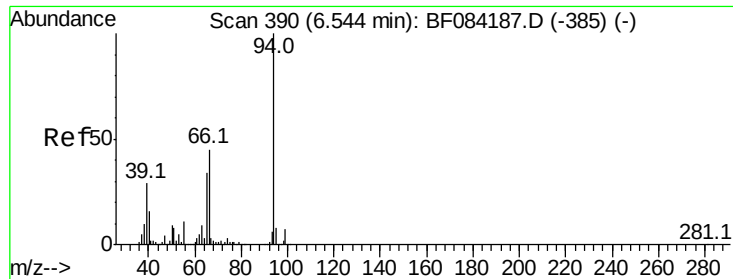


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 3.03 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

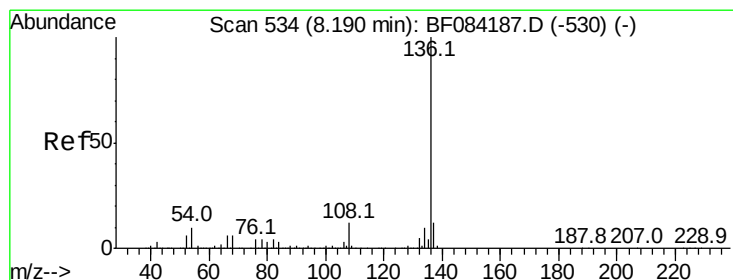
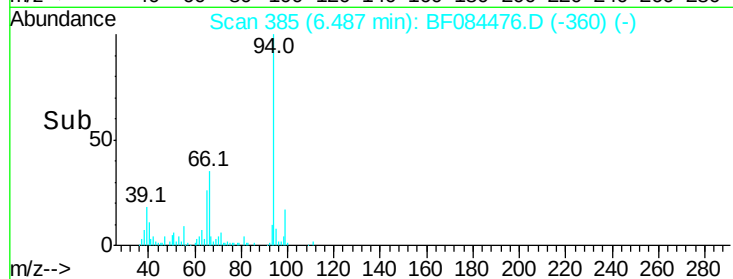
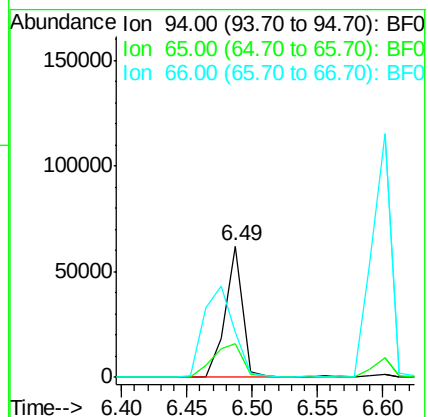
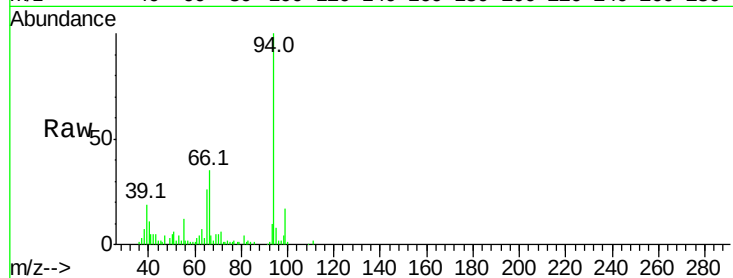
Tot Ion: 94 Resp: 58209

Ion Ratio Lower Upper

94 100

65 26.1 12.9 52.9

66 34.7 32.7 72.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Tgt Ion: 136 Resp: 783029

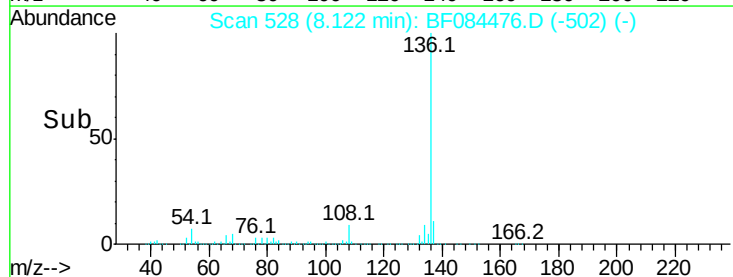
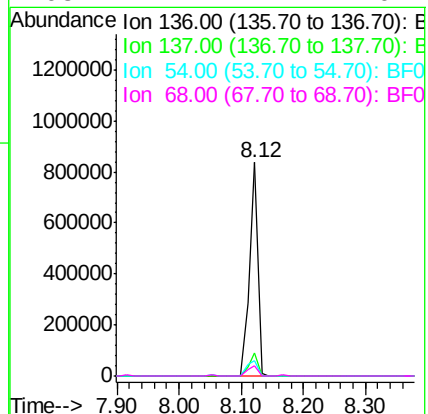
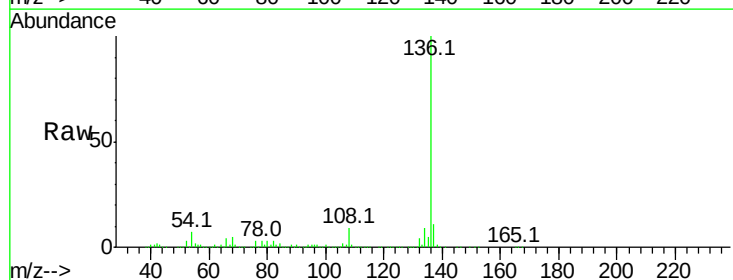
Ion Ratio Lower Upper

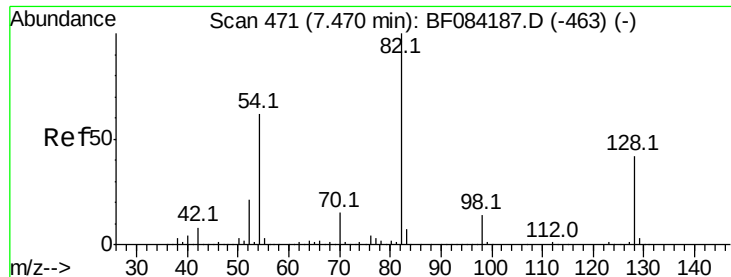
136 100

137 10.9 8.7 13.1

54 6.9 5.8 8.8

68 4.7 4.2 6.2

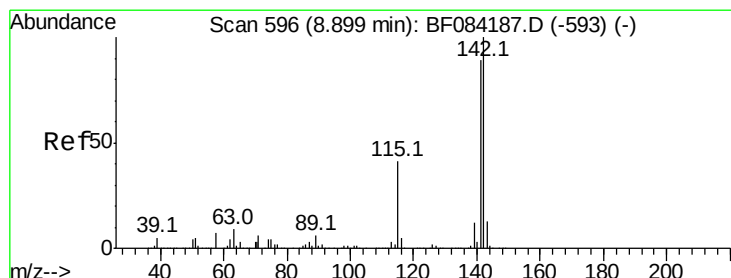
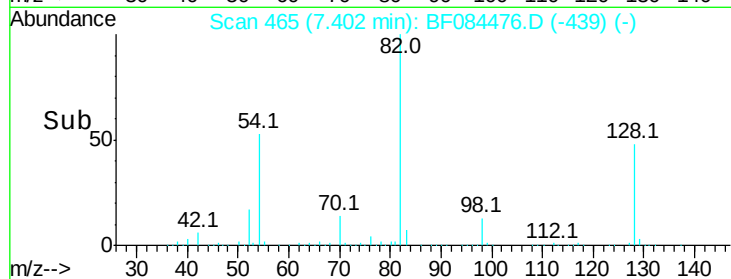
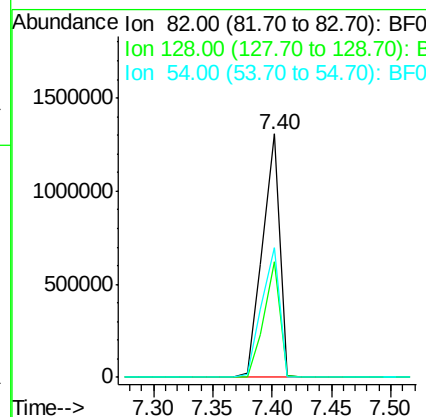
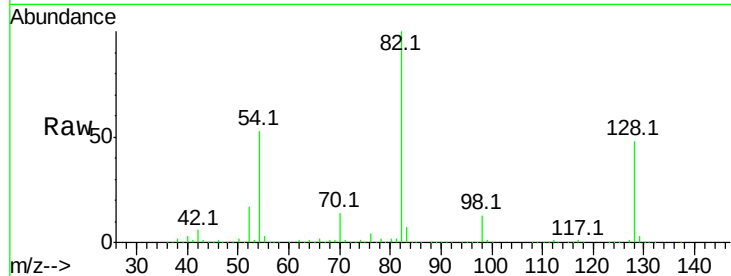




#23
 Nitrobenzene-d5
 Concen: 95.07 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF084476.D
 Acq: 14 Jan 2016 8:16

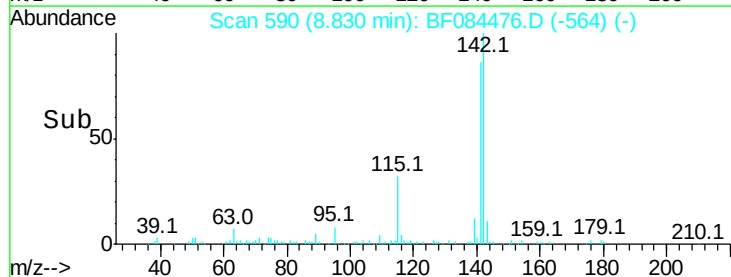
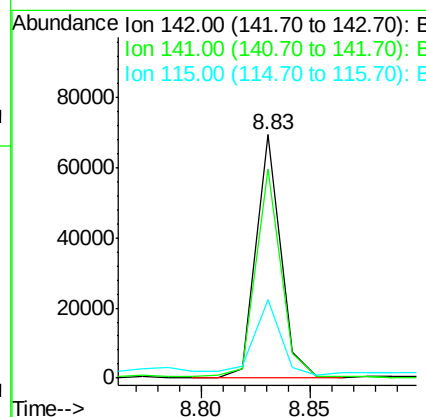
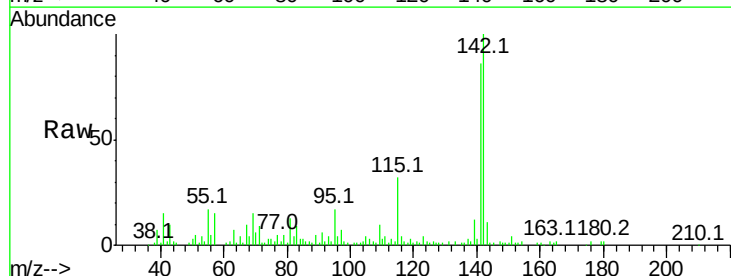
Instrument :
 BNA_F
 ClientSampleId :
 CONTAMINATED-DRUM(1-2)COMP

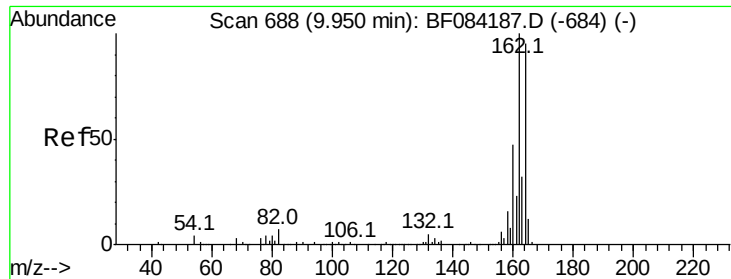
Tot Ion: 82 Resp: 1337556
 Ion Ratio Lower Upper
 82 100
 128 47.6 34.6 51.8
 54 53.2 38.4 57.6



#37
 2-Methylnaphthalene
 Concen: 2.16 ng
 RT: 8.83 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF084476.D
 Acq: 14 Jan 2016 8:16

Tgt Ion:142 Resp: 54984
 Ion Ratio Lower Upper
 142 100
 141 85.9 72.4 108.6
 115 32.4 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

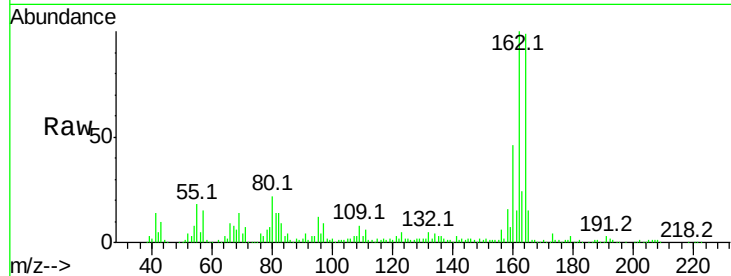
Tot Ion:164 Resp: 289832

Ion Ratio Lower Upper

164 100

162 100.7 85.1 127.7

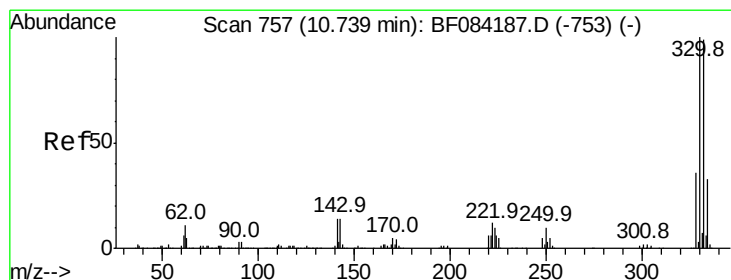
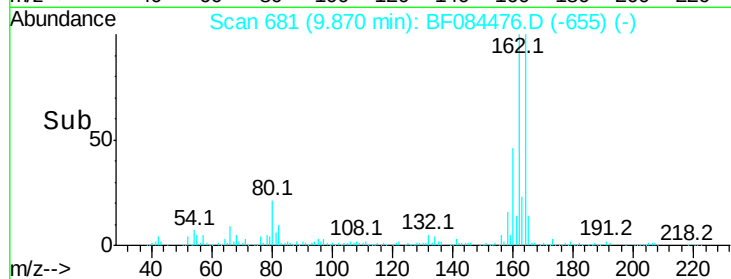
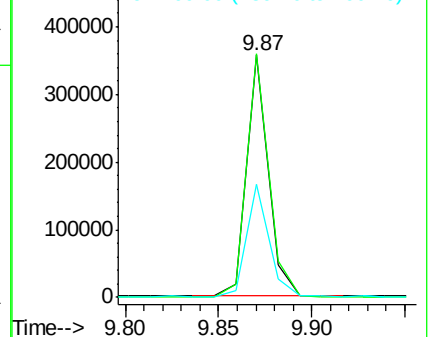
160 46.5 37.5 56.3



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: 6.42 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

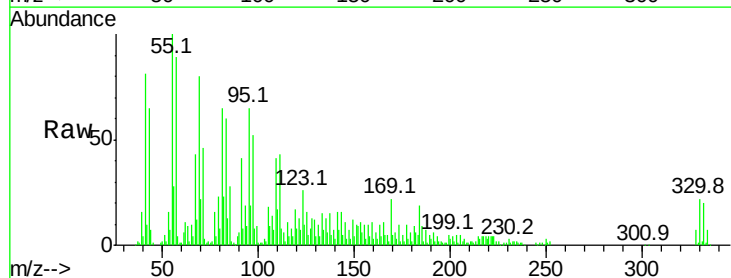
Tgt Ion:330 Resp: 18794

Ion Ratio Lower Upper

330 100

332 91.3 76.6 114.8

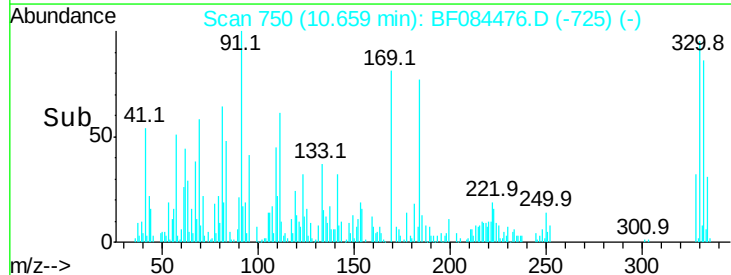
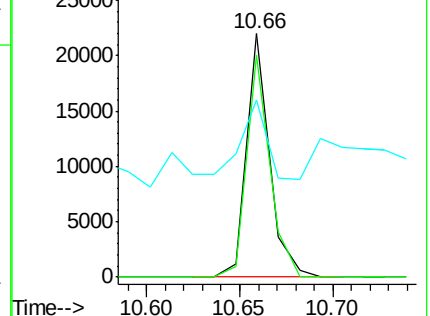
141 35.4 27.8 41.6

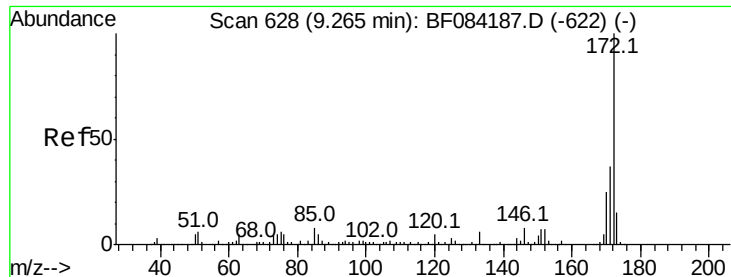


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 92.92 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

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ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

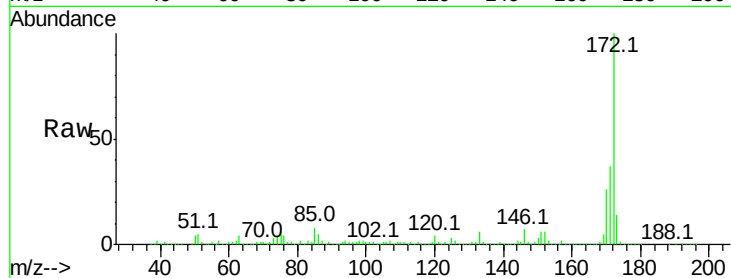
Tot Ion:172 Resp: 1521172

Ion Ratio Lower Upper

172 100

171 37.3 28.9 43.3

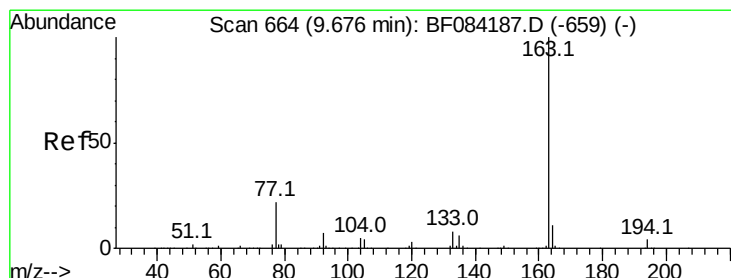
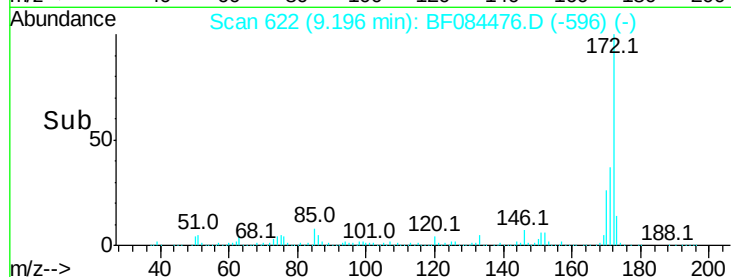
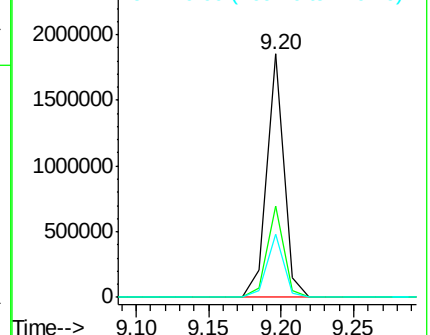
170 25.7 18.6 27.8



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: 16.85 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

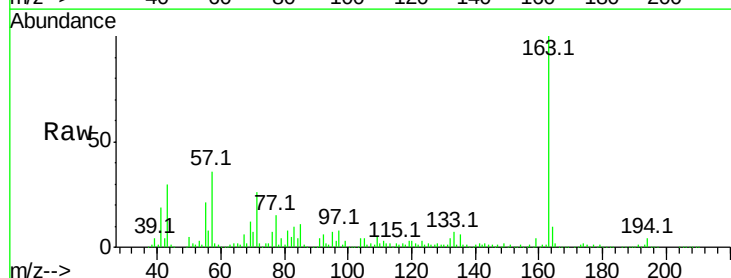
Tgt Ion:163 Resp: 349220

Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

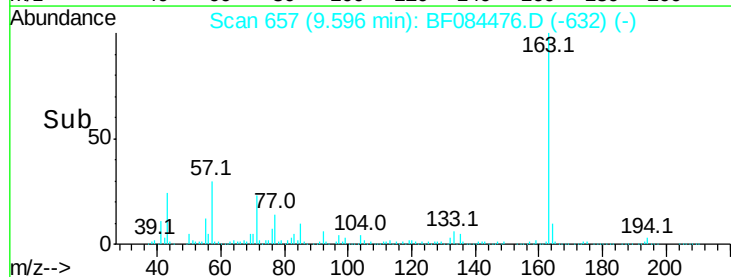
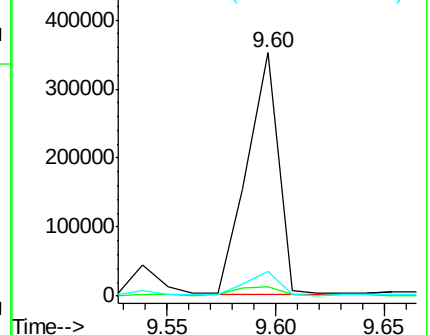
164 10.1 8.0 12.0

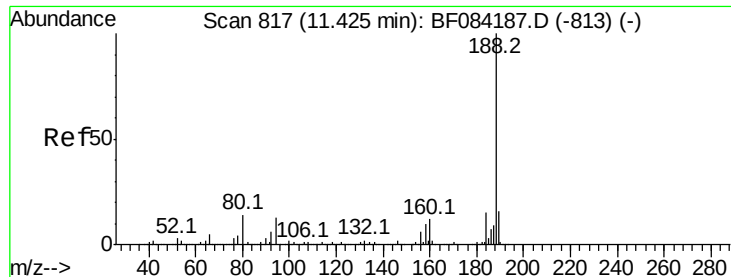


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

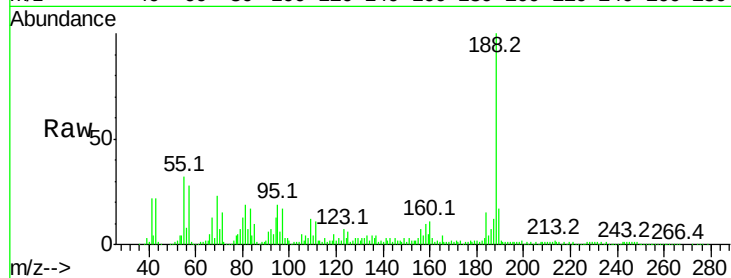
Tot Ion:188 Resp: 448166

Ion Ratio Lower Upper

188 100

94 13.0 9.0 13.4

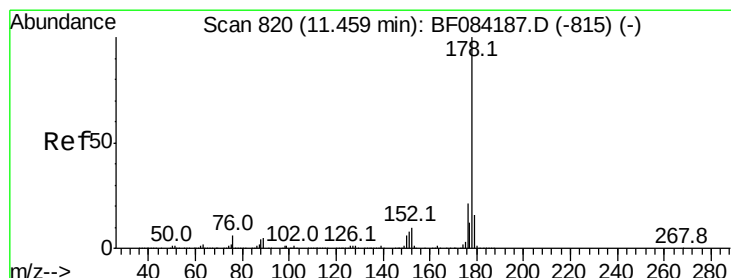
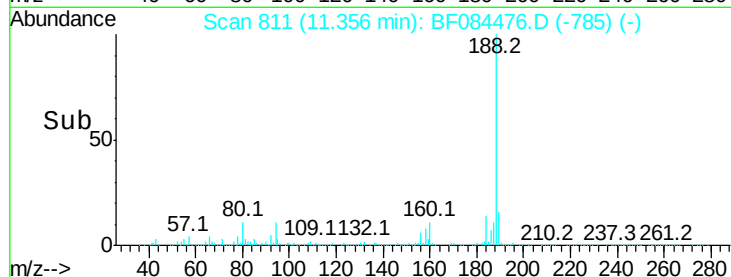
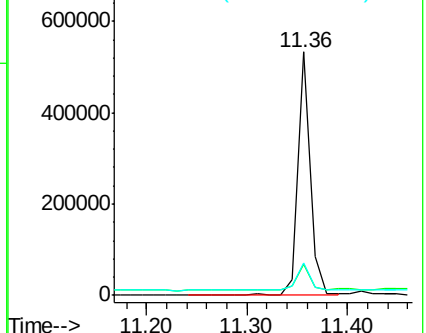
80 13.2 9.6 14.4



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



#70

Phenanthrene

Concen: 5.17 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

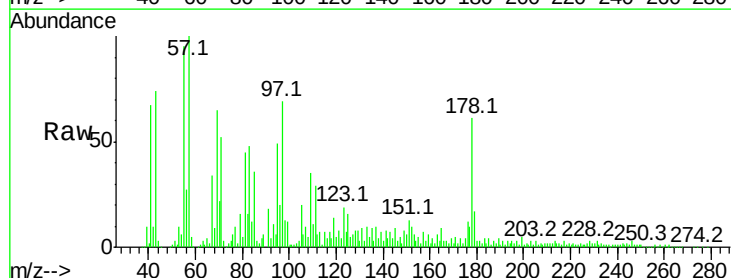
Tgt Ion:178 Resp: 121137

Ion Ratio Lower Upper

178 100

176 20.3 15.3 22.9

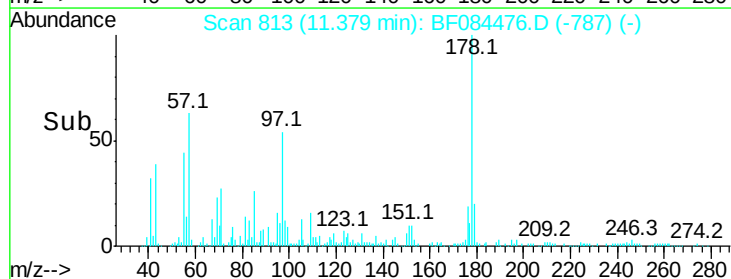
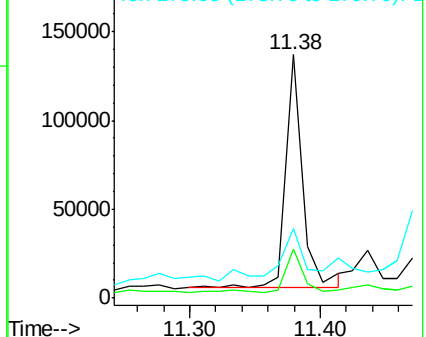
179 28.6 12.0 18.0#

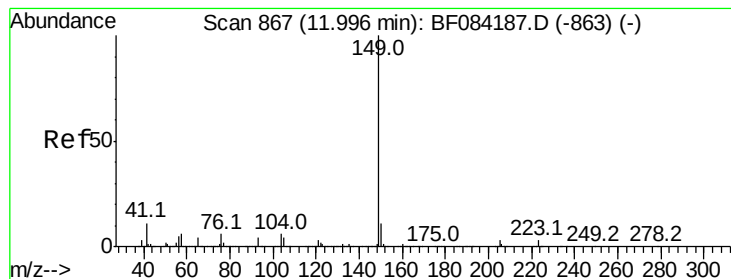


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 13.17 ng

RT: 11.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

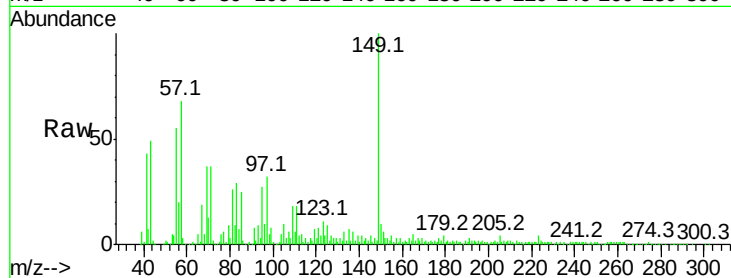
Tot Ion:149 Resp: 415809

Ion Ratio Lower Upper

149 100

150 10.2 7.1 10.7

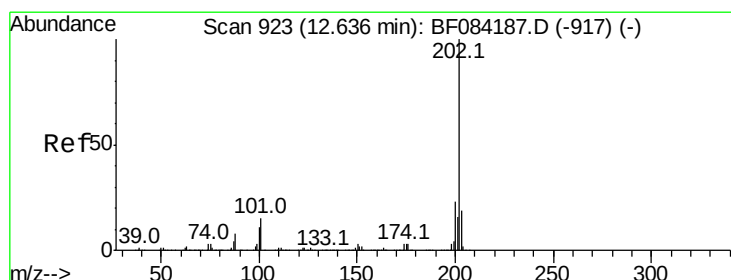
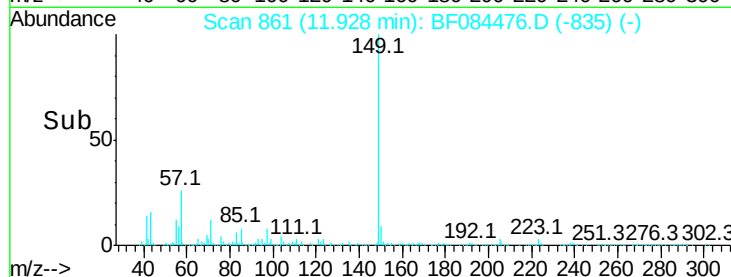
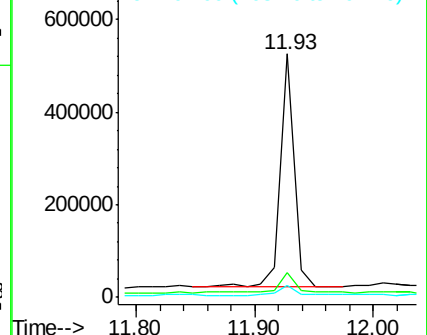
104 5.1 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 4.11 ng

RT: 12.58 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

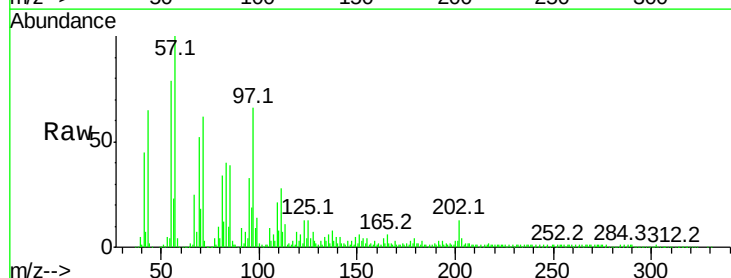
Tgt Ion:202 Resp: 100745

Ion Ratio Lower Upper

202 100

101 8.2 0.0 32.8

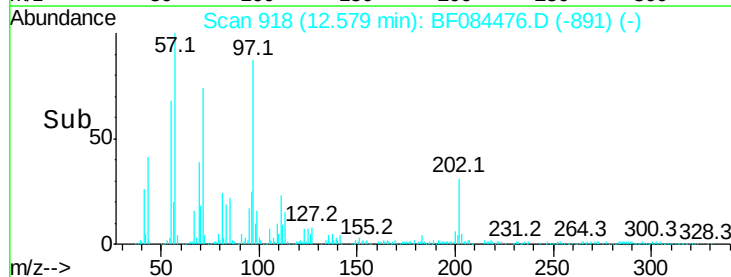
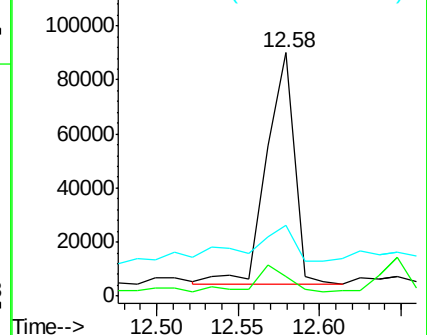
203 28.8 0.0 37.9

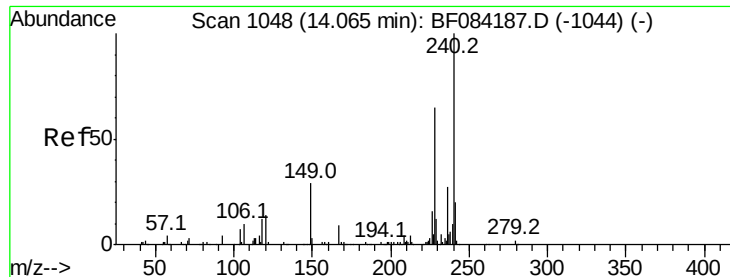


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 1045

Delta R.T. 0.03 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

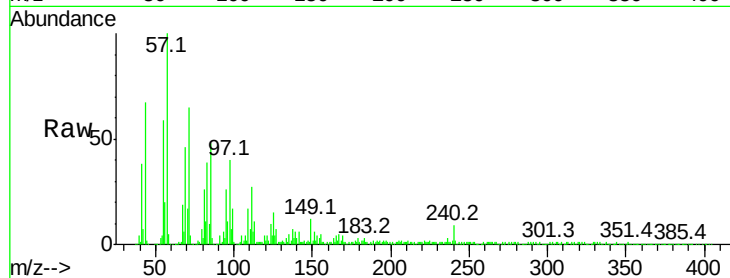
Tot Ion:240 Resp: 185163

Ion Ratio Lower Upper

240 100

120 26.7 9.5 14.3#

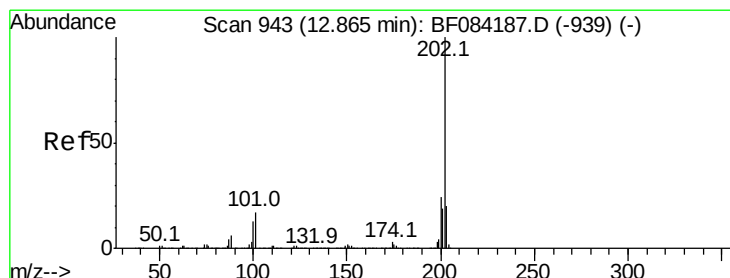
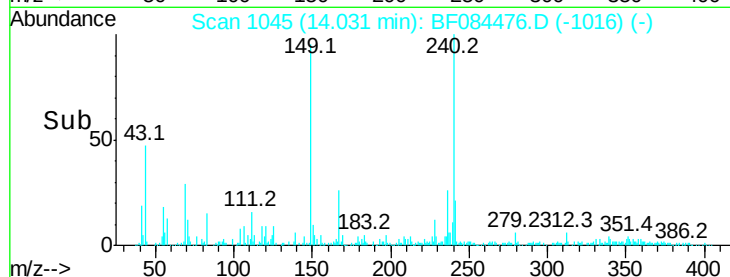
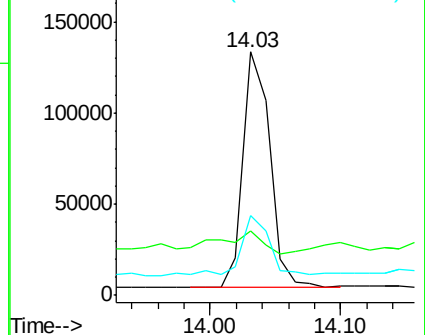
236 32.5 20.6 31.0#



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: 8.27 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

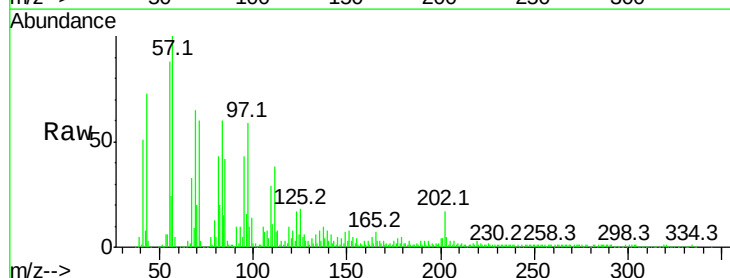
Tgt Ion:202 Resp: 120149

Ion Ratio Lower Upper

202 100

200 22.1 17.2 25.8

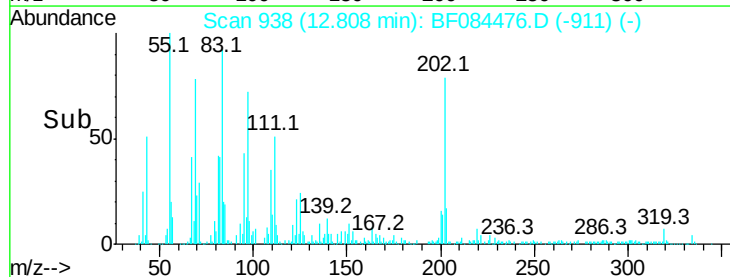
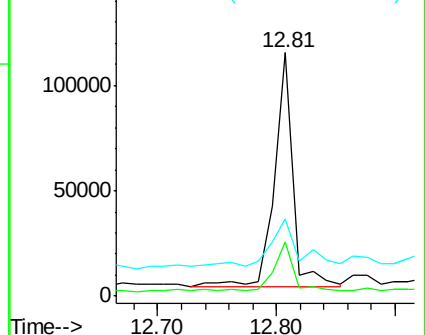
203 31.5 14.3 21.5#

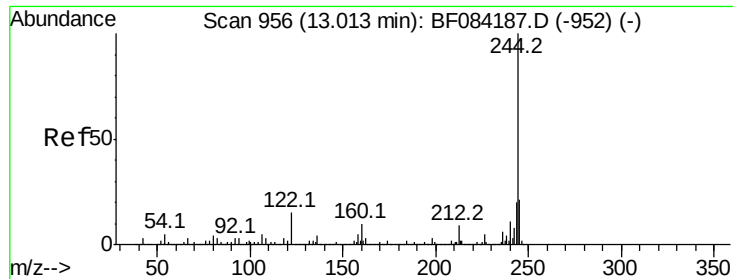


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.00 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

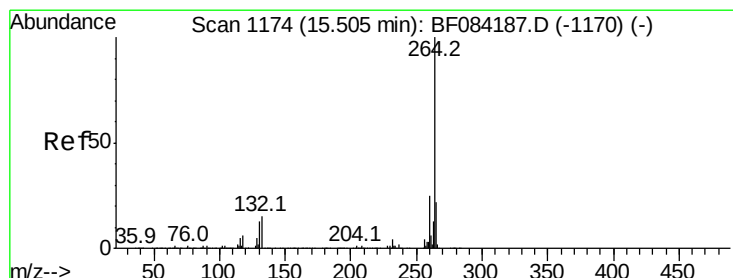
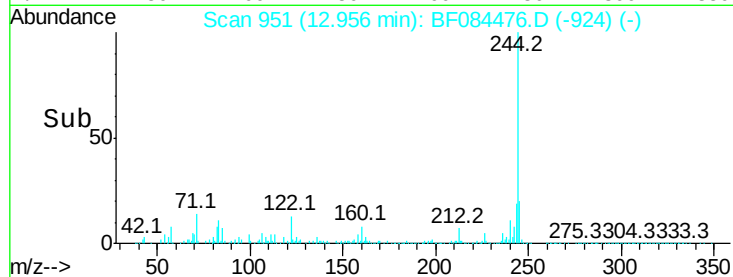
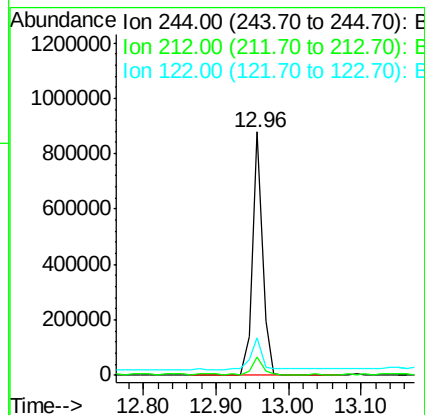
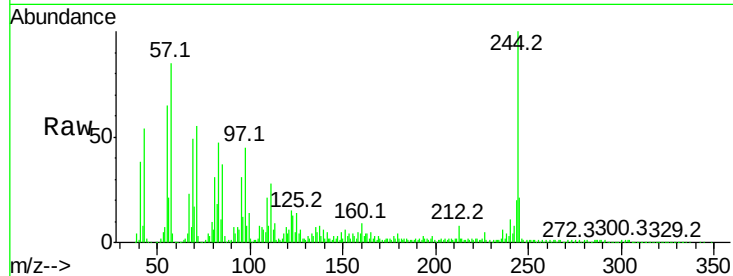
Tot Ion:244 Resp: 837791

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 15.4 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1175

Delta R.T. 0.10 min

Lab File: BF084476.D

Acq: 14 Jan 2016 8:16

Tgt Ion:264 Resp: 172807

Ion Ratio Lower Upper

264 100

260 27.2 19.4 29.2

265 29.4 17.8 26.6#

