

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
 Data File : BF082383.D
 Acq On : 20 Oct 2015 5:31
 Operator : UM/IZ
 Sample : G4051-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-DUP-20151015DL

Quant Time: Oct 20 07:46:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98771	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	382606	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	182460	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	309430	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	237011	20.00	ng	-0.02
86) Perylene-d12	15.46	264	224532	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	135728	27.73	ng	-0.03
7) Phenol-d6	6.45	99	174660	27.42	ng	-0.03
23) Nitrobenzene-d5	7.37	82	104794	18.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	34291	20.04	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	214700	19.51	ng	-0.04
78) Terphenyl-d14	12.93	244	160724	17.97	ng	-0.03

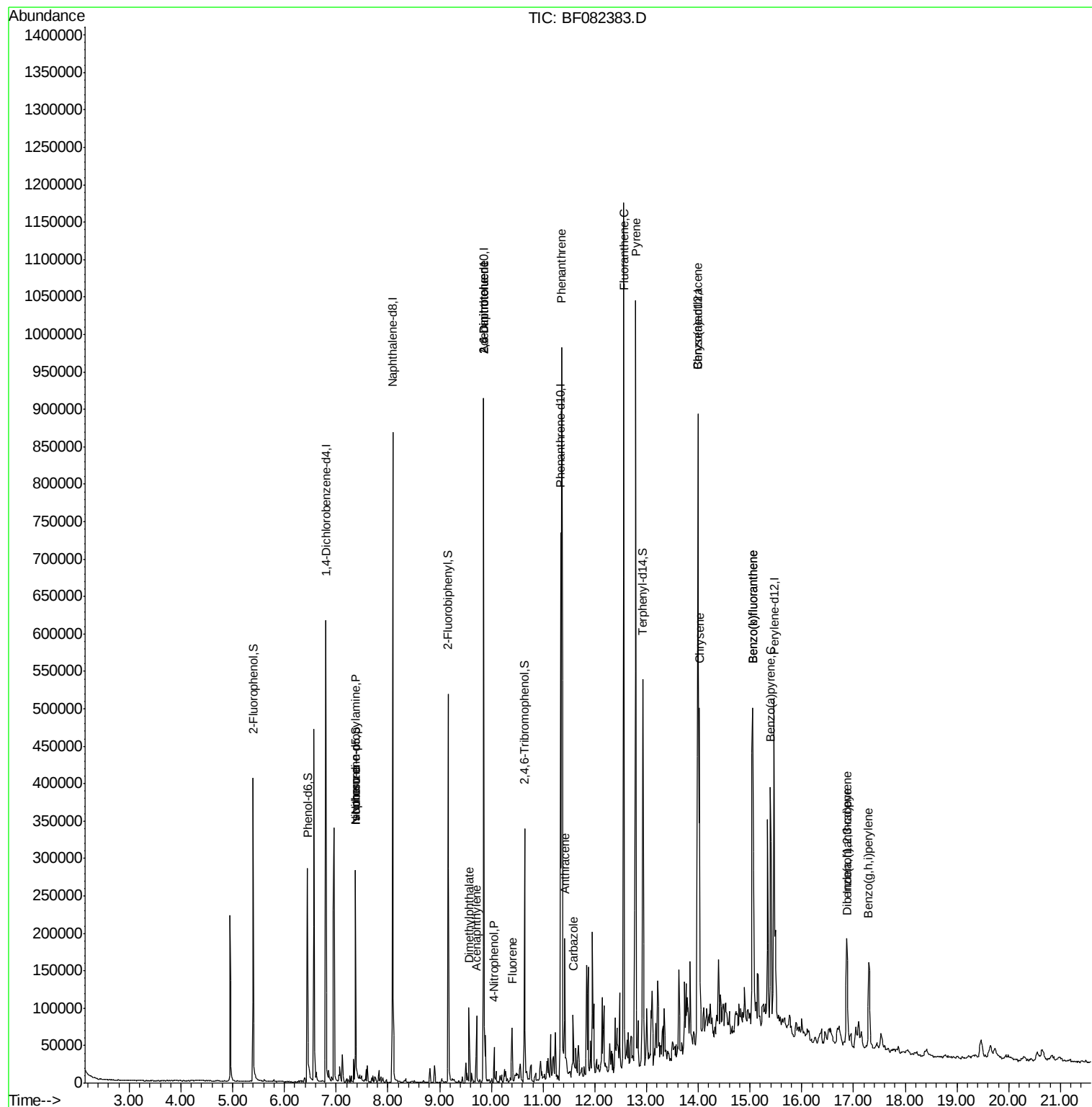
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	12889	2.88	ng	# 78
25) Isophorone	7.37	82	89508	7.78	ng	# 66
48) Acenaphthylene	9.71	152	46095	2.70	ng	99
49) Dimethylphthalate	9.57	163	48733	3.79	ng	99
50) 2,6-Dinitrotoluene	9.85	165	23921	8.82	ng	# 31
55) 4-Nitrophenol	10.06	139	7798	4.64	ng	# 11
56) 2,4-Dinitrotoluene	9.85	165	23918	7.06	ng	# 22
57) Fluorene	10.40	166	25332	2.19	ng	99
70) Phenanthrene	11.36	178	468035	30.86	ng	100
71) Anthracene	11.42	178	101638	6.50	ng	98
72) Carbazole	11.58	167	49355	3.46	ng	99
74) Fluoranthene	12.56	202	593961	36.46	ng	98
77) Pyrene	12.79	202	497944	35.40	ng	99
80) Benzo(a)anthracene	13.99	228	231963	18.81	ng	96
82) Chrysene	14.02	228	203610	15.67	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	101106	9.79	ng	95
87) Benzo(b)fluoranthene	15.05	252	345041	25.26	ng	99
88) Benzo(k)fluoranthene	15.05	252	345041	30.05	ng	# 96
89) Benzo(a)pyrene	15.40	252	176835	15.06	ng	99
90) Dibenzo(a,h)anthracene	16.88	278	25817	2.68	ng	# 90
91) Benzo(g,h,i)perylene	17.29	276	95642	10.23	ng	95

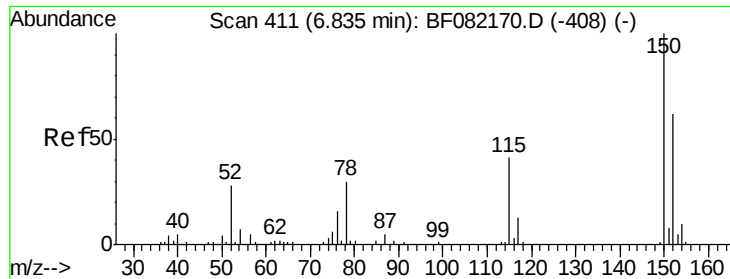
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

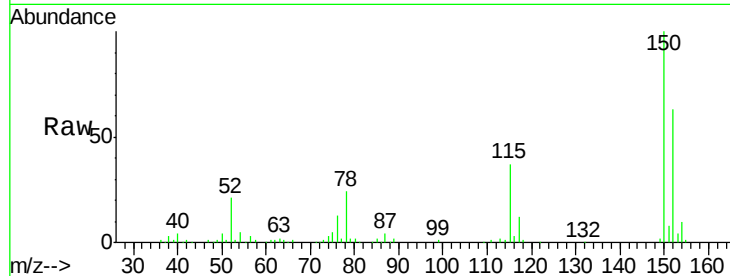
Tgt Ion:152 Resp: 98771

Ion Ratio Lower Upper

152 100

150 158.8 129.0 193.4

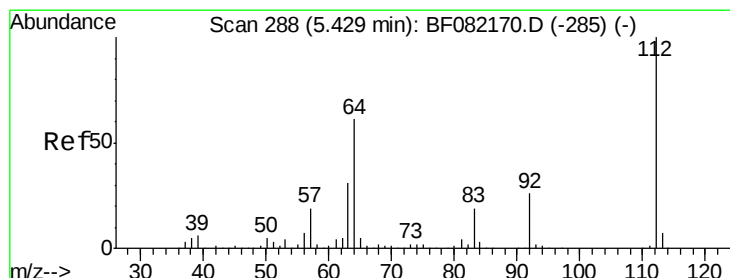
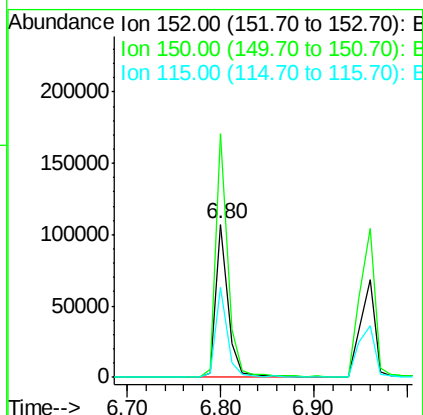
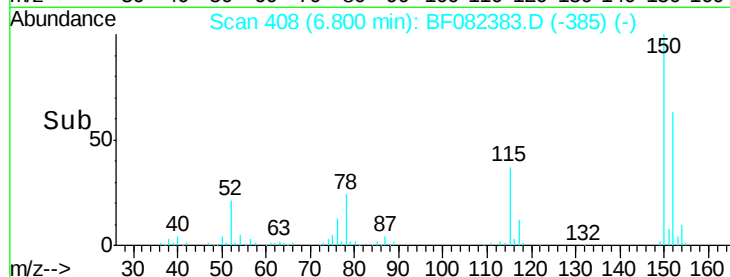
115 58.4 52.1 78.1



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: 27.73 ng

RT: 5.39 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

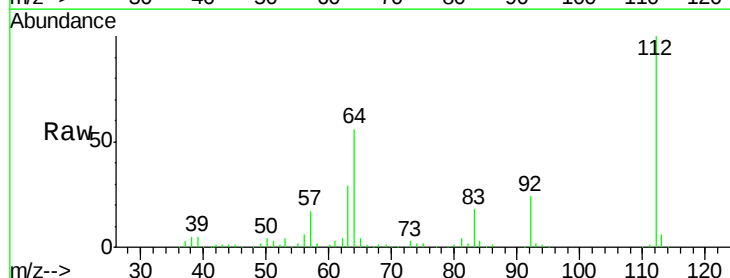
Tgt Ion:112 Resp: 135728

Ion Ratio Lower Upper

112 100

64 56.5 48.6 73.0

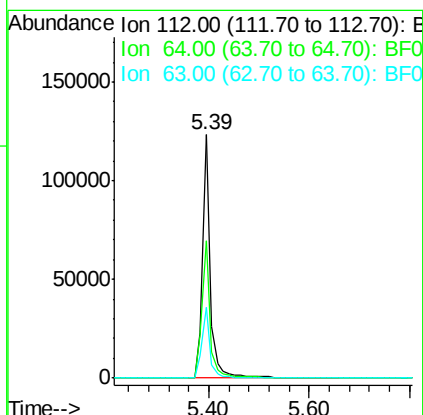
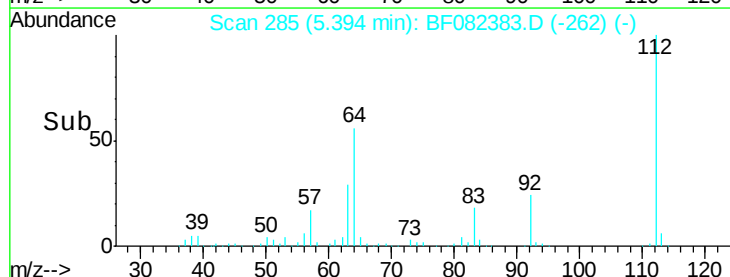
63 29.3 25.1 37.7



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: 27.42 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

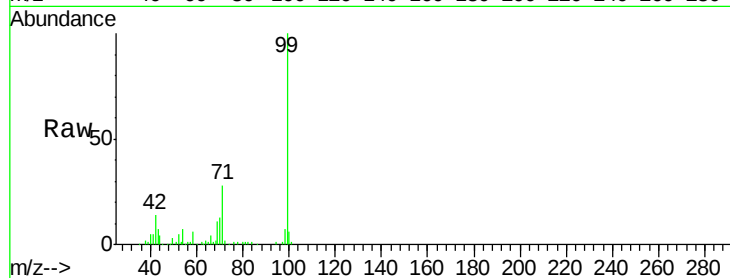
Tgt Ion: 99 Resp: 174660

Ion Ratio Lower Upper

99 100

42 13.8 13.2 19.8

71 28.3 25.6 38.4



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

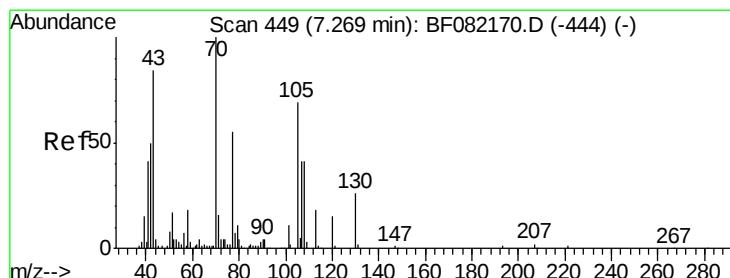
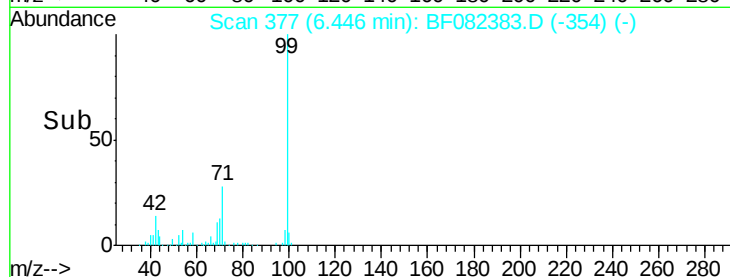
6.45

100000

50000

0

Time--> 6.30 6.40 6.50 6.60 6.70



#19

n-Nitroso-di-n-propylamine

Concen: 2.88 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.10 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Tgt Ion: 70 Resp: 12889

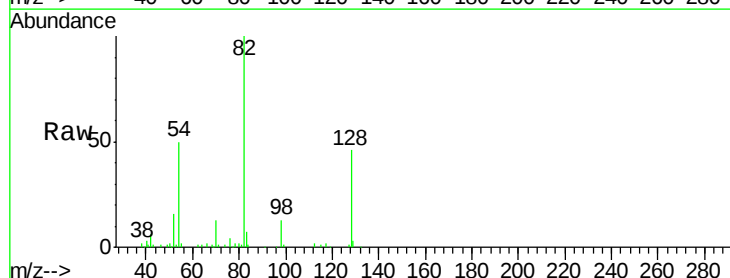
Ion Ratio Lower Upper

70 100

42 46.3 39.8 59.8

101 0.0 8.6 13.0#

130 0.0 20.5 30.7#



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

7.37

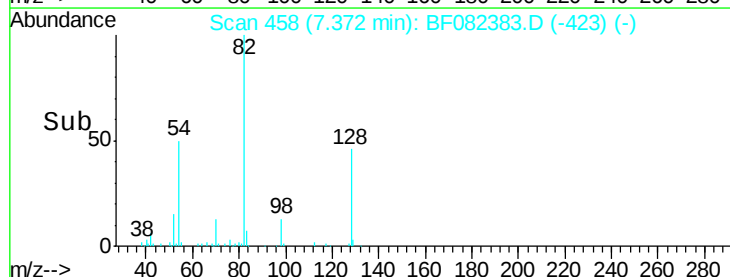
15000

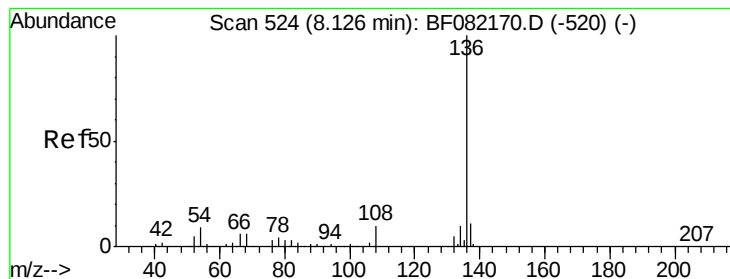
10000

5000

0

Time--> 7.30 7.40 7.50

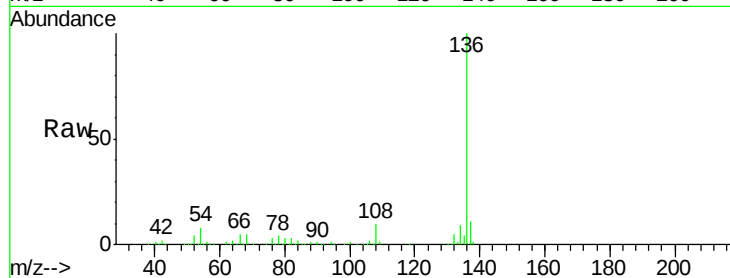




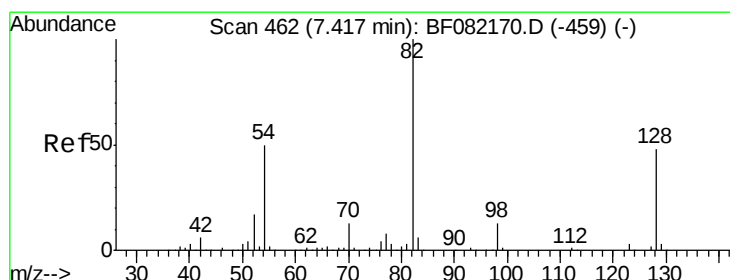
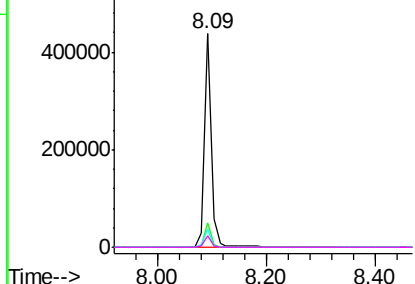
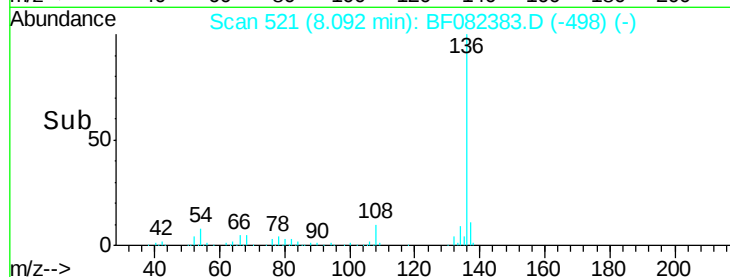
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082383.D
Acq: 20 Oct 2015 5:31

Instrument :
BNA_F
ClientSampleId :
TK1-DUP-20151015DL

Tgt Ion:	136	Resp:	382606
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	8.2	7.5	11.3
68	5.3	4.6	7.0

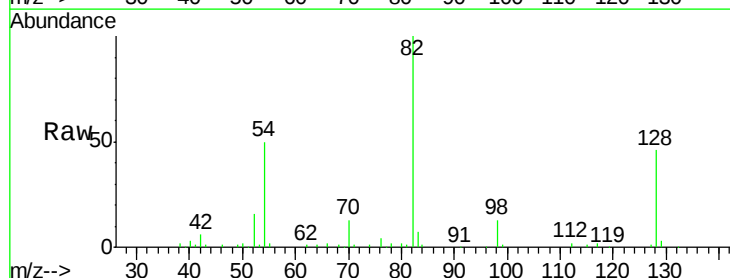


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

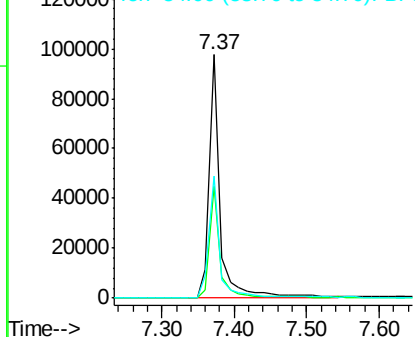
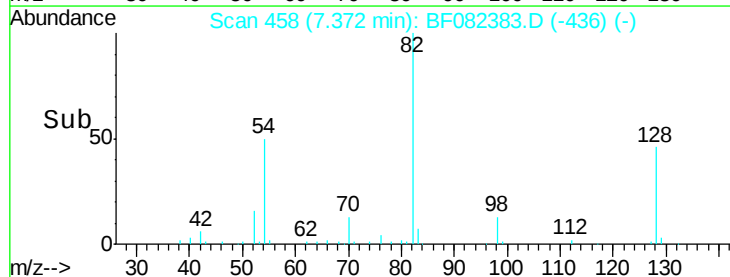


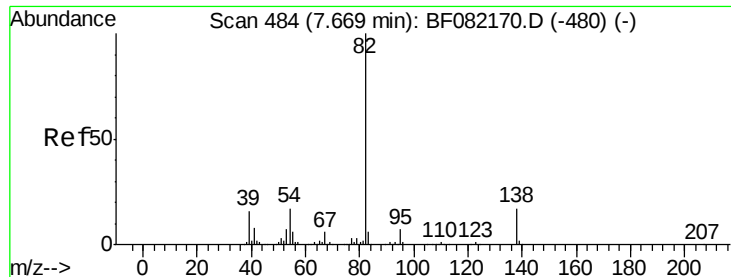
#23
Nitrobenzene-d5
Concen: 18.39 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082383.D
Acq: 20 Oct 2015 5:31

Tgt Ion:	82	Resp:	104794
Ion Ratio	Lower	Upper	
82	100		
128	45.9	38.7	58.1
54	49.9	40.1	60.1



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





#25

Isophorone

Concen: 7.78 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

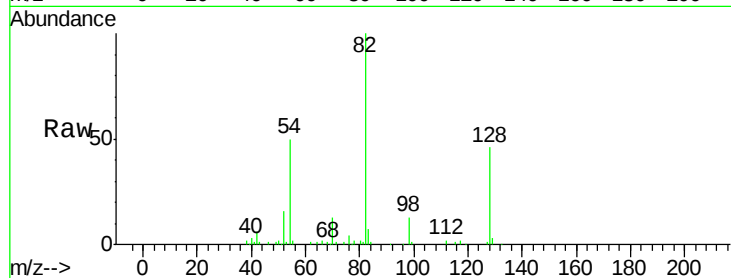
Tgt Ion: 82 Resp: 89508

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

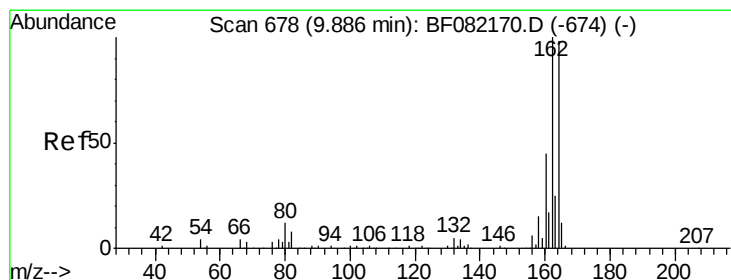
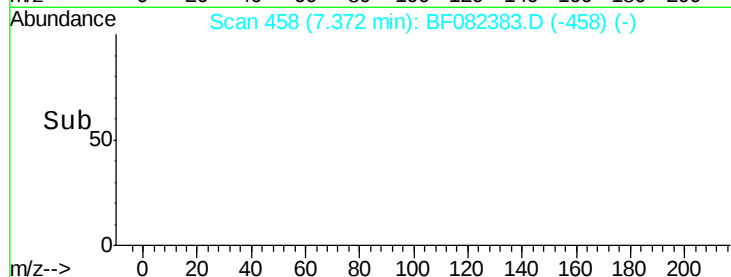
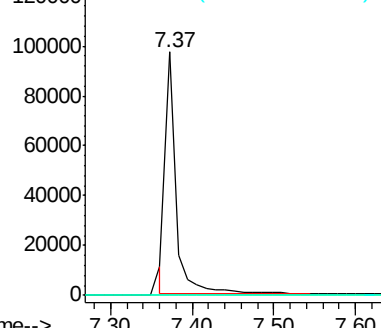
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

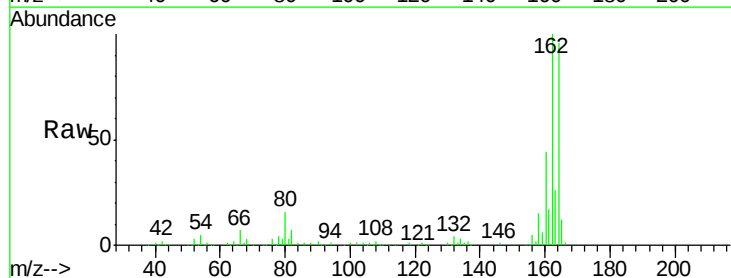
Tgt Ion: 164 Resp: 182460

Ion Ratio Lower Upper

164 100

162 104.4 81.6 122.4

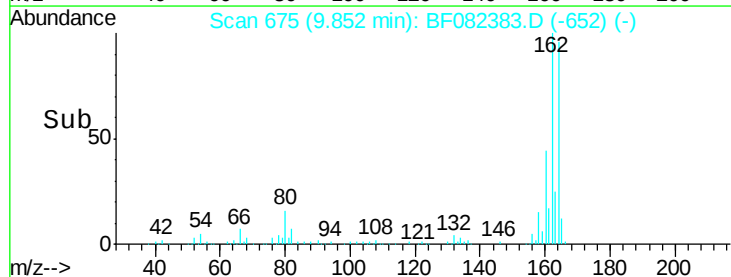
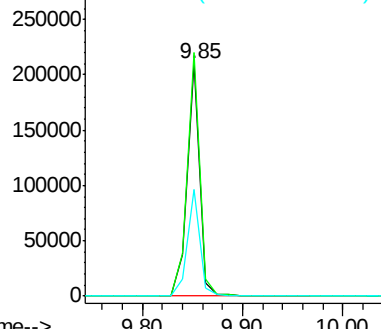
160 45.6 36.4 54.6



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

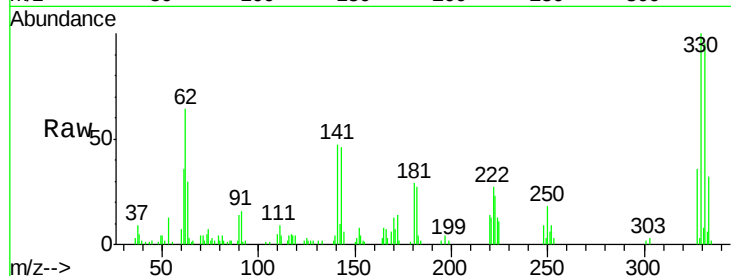




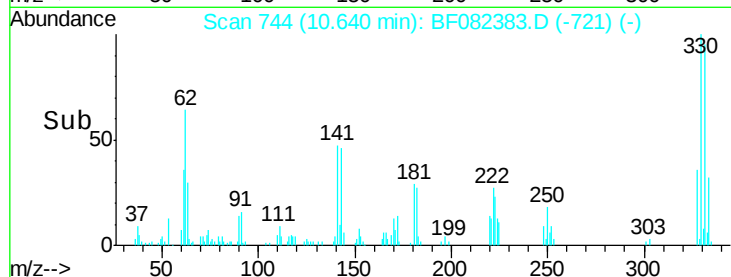
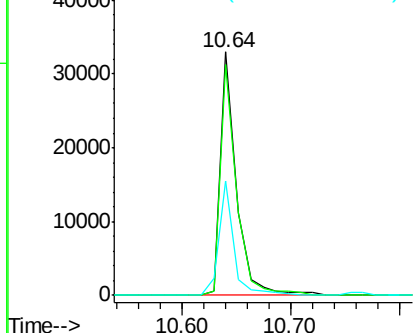
#41
 2,4,6-Tribromophenol
 Concen: 20.04 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082383.D
 Acq: 20 Oct 2015 5:31

Instrument :
 BNA_F
 ClientSampleId :
 TK1-DUP-20151015DL

Tgt Ion:330 Resp: 34291
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.1 115.7
 141 43.7 29.8 44.8

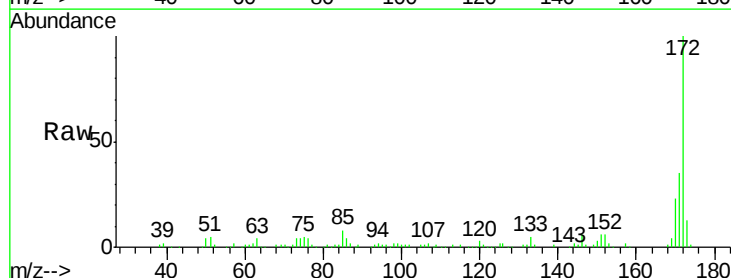


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

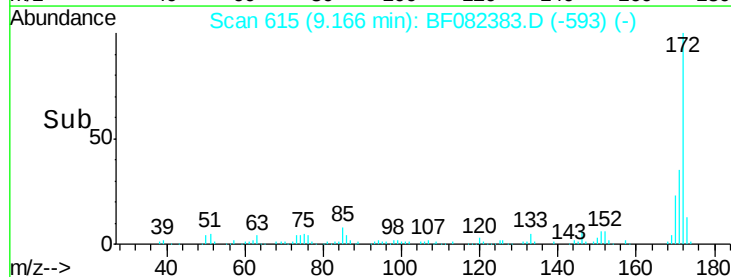
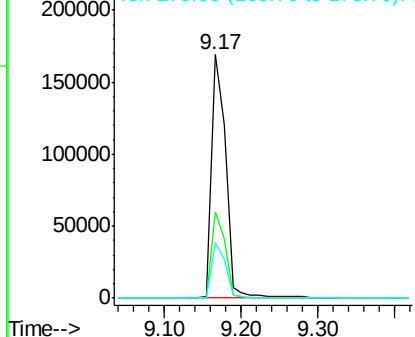


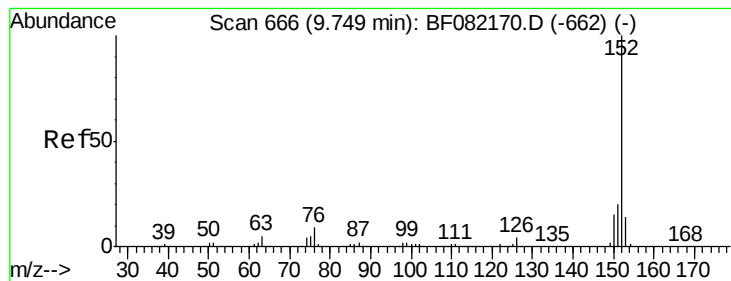
#44
 2-Fluorobiphenyl
 Concen: 19.51 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082383.D
 Acq: 20 Oct 2015 5:31

Tgt Ion:172 Resp: 214700
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 23.0 19.7 29.5



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





#48

Acenaphthylene

Concen: 2.70 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

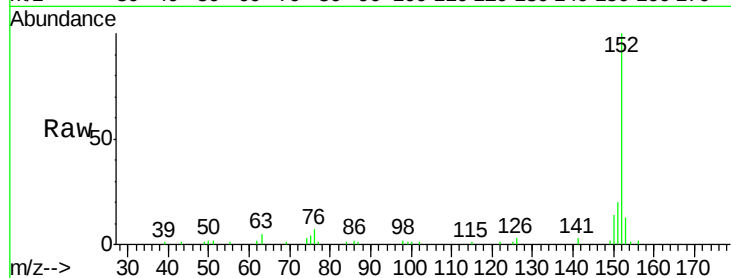
Tgt Ion:152 Resp: 46095

Ion Ratio Lower Upper

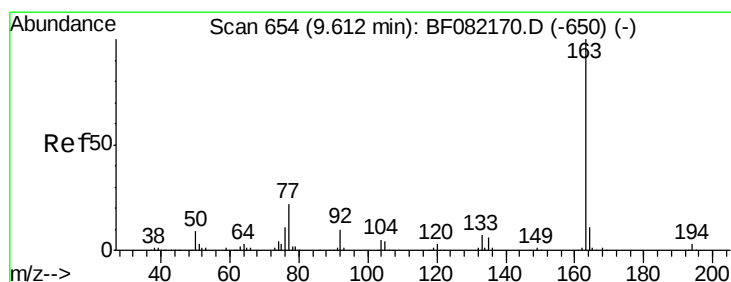
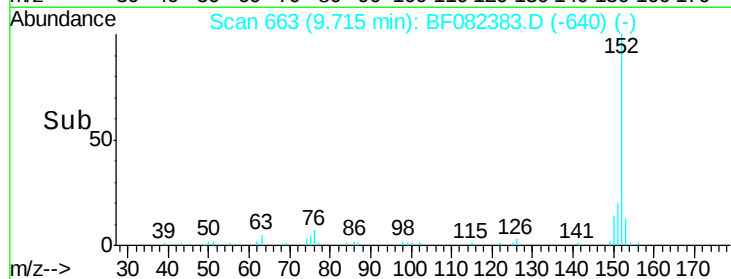
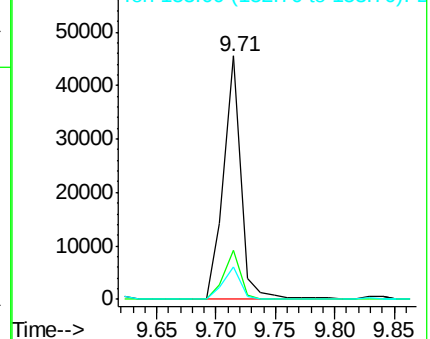
152 100

151 19.9 16.4 24.6

153 13.1 10.8 16.2



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



#49

Dimethylphthalate

Concen: 3.79 ng

RT: 9.57 min Scan# 650

Delta R.T. -0.05 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

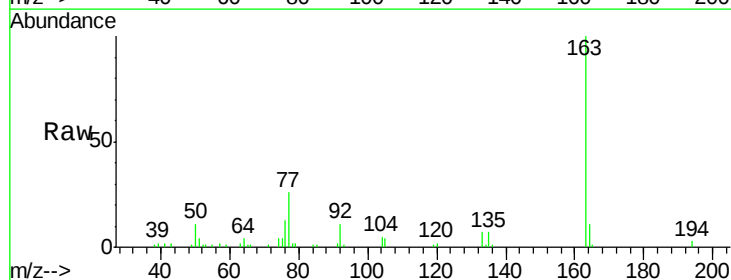
Tgt Ion:163 Resp: 48733

Ion Ratio Lower Upper

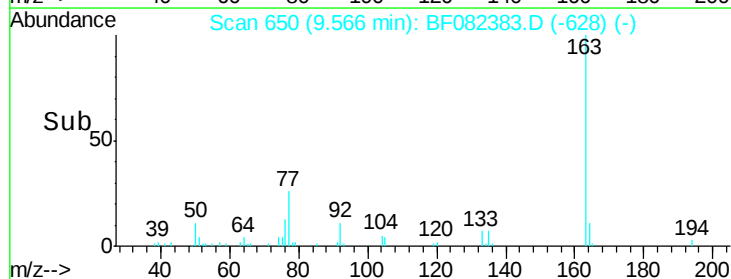
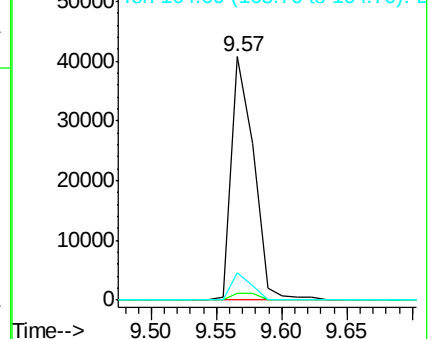
163 100

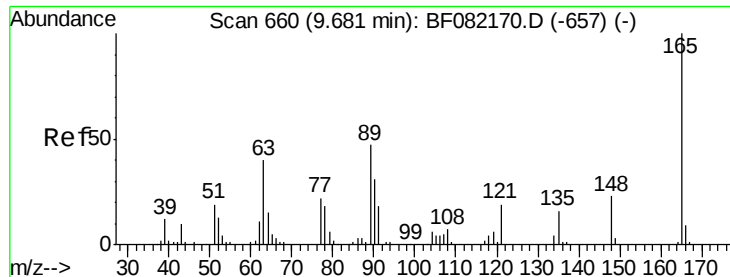
194 3.1 2.6 4.0

164 11.0 8.5 12.7



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

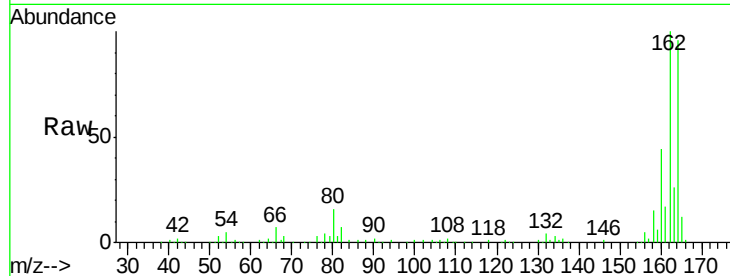




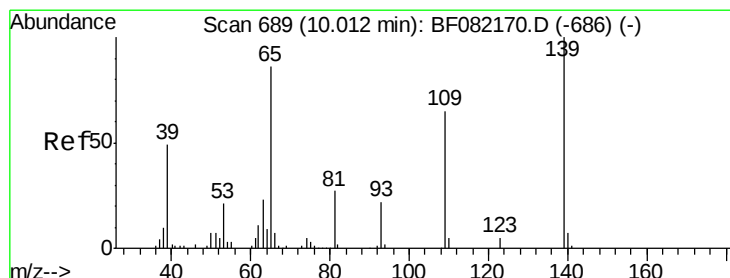
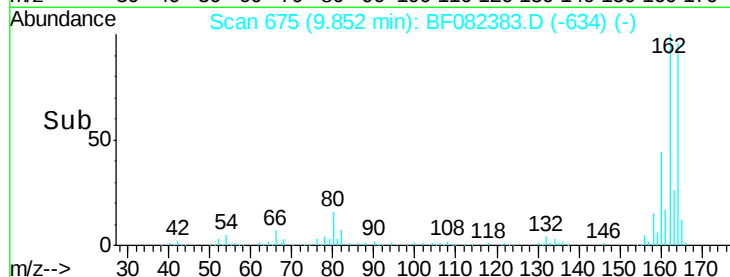
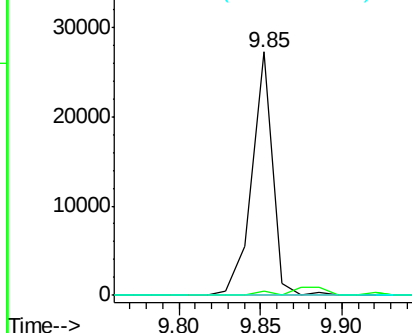
#50
 2,6-Dinitrotoluene
 Concen: 8.82 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.17 min
 Lab File: BF082383.D
 Acq: 20 Oct 2015 5:31

Instrument :
 BNA_F
 ClientSampleId :
 TK1-DUP-20151015DL

Tgt Ion:165 Resp: 23921
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.7 55.1#
 89 0.0 37.8 56.6#

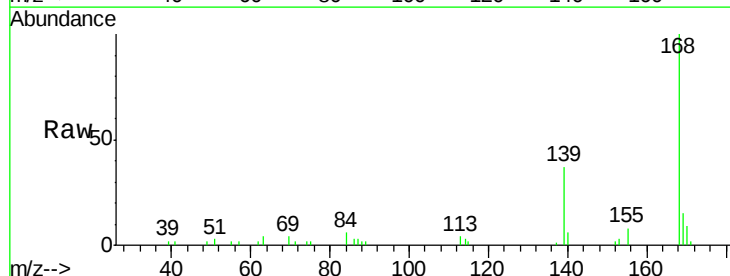


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

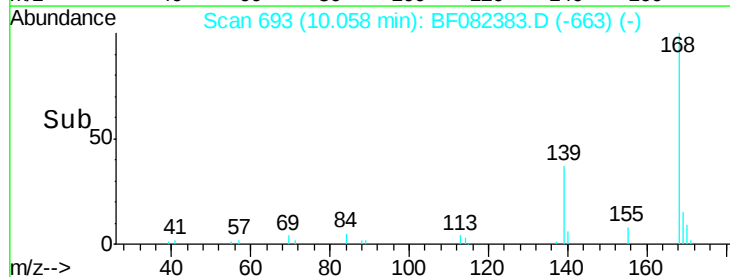
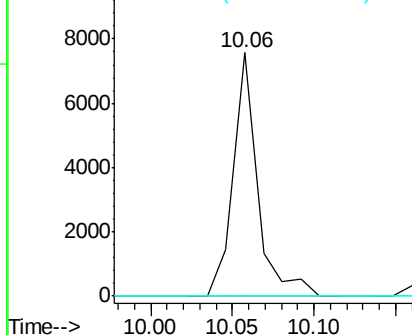


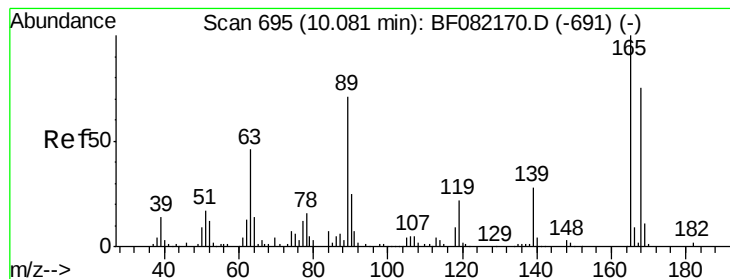
#55
 4-Nitrophenol
 Concen: 4.64 ng
 RT: 10.06 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: BF082383.D
 Acq: 20 Oct 2015 5:31

Tgt Ion:139 Resp: 7798
 Ion Ratio Lower Upper
 139 100
 109 0.0 44.8 84.8#
 65 0.0 67.7 107.7#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.06 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.23 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

Tgt Ion:165 Resp: 23918

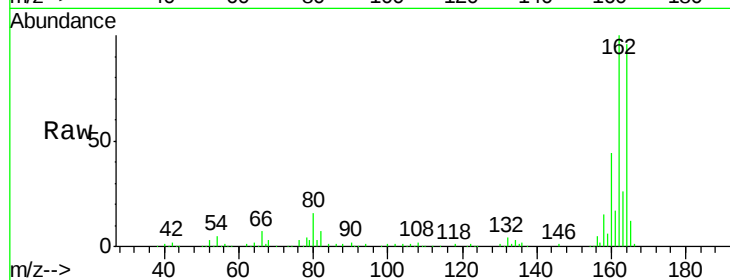
Ion Ratio Lower Upper

165 100

63 1.5 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#



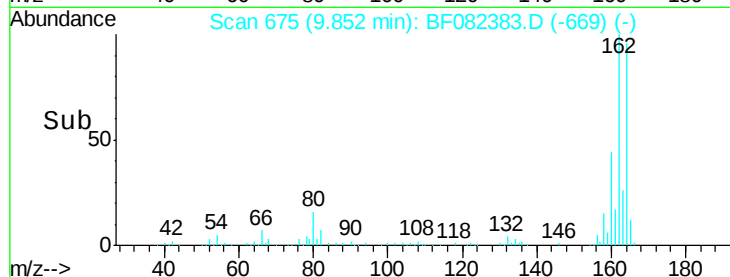
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

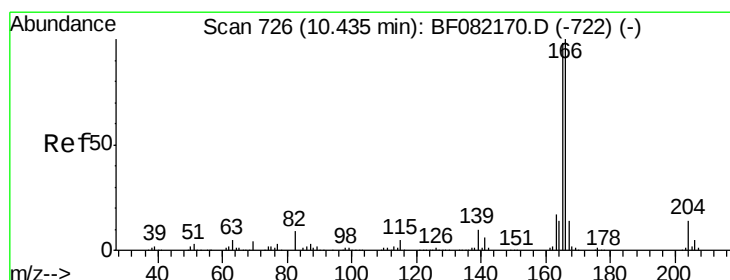
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#57

Fluorene

Concen: 2.19 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

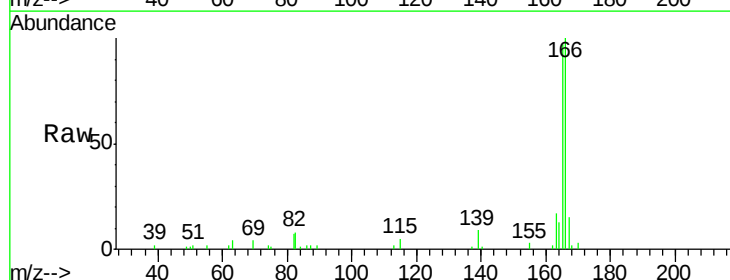
Tgt Ion:166 Resp: 25332

Ion Ratio Lower Upper

166 100

165 96.9 78.3 117.5

167 14.8 10.8 16.2

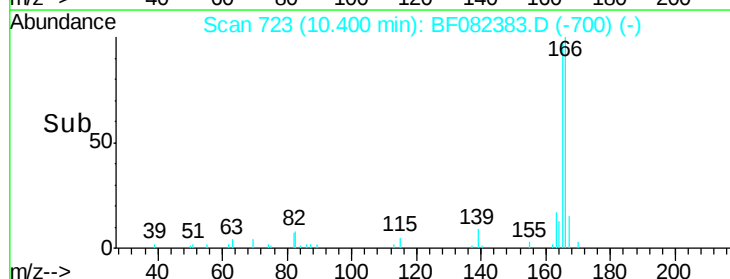


Abundance Ion 166.00 (165.70 to 166.70): E

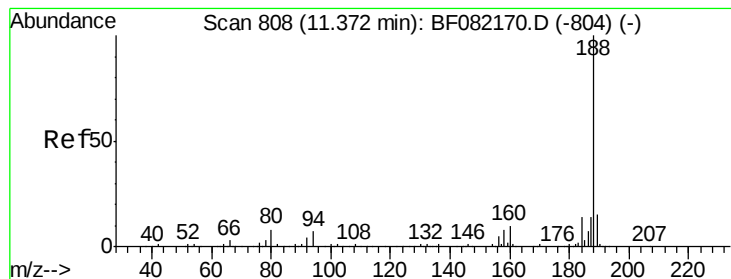
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

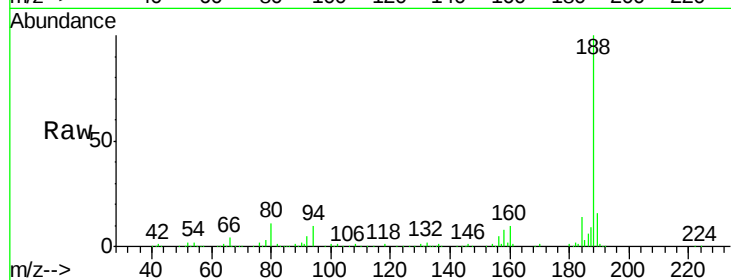
Tgt Ion:188 Resp: 309430

Ion Ratio Lower Upper

188 100

94 9.5 5.8 8.6#

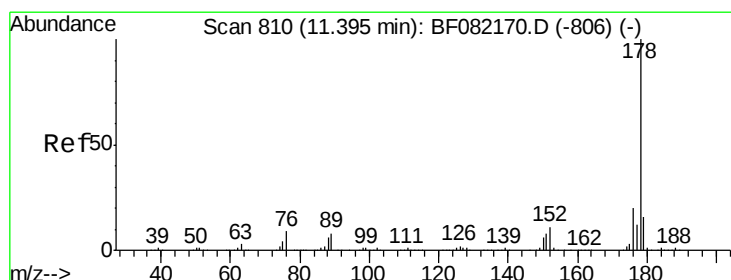
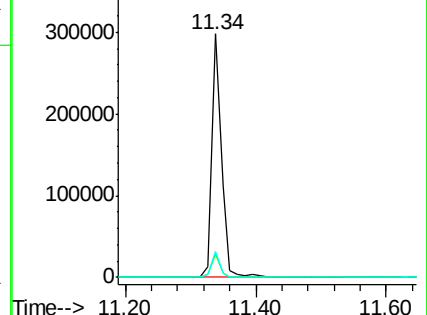
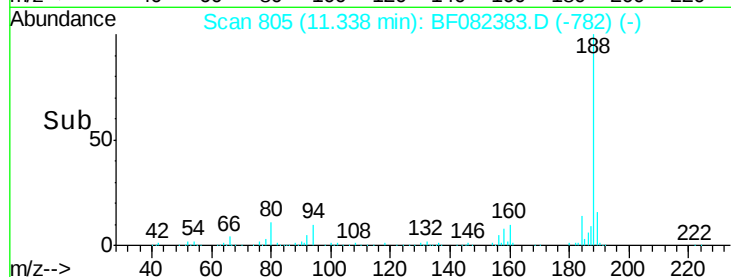
80 10.6 6.4 9.6#



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: 30.86 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

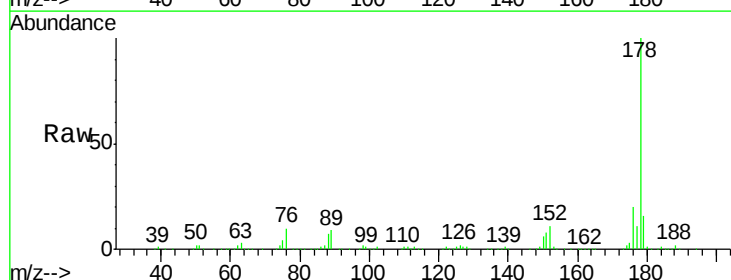
Tgt Ion:178 Resp: 468035

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

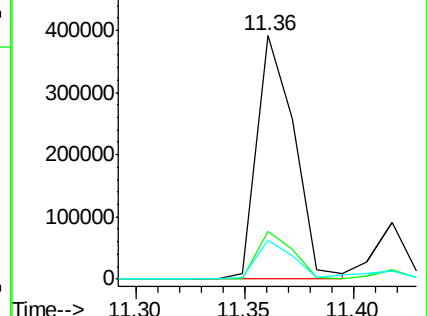
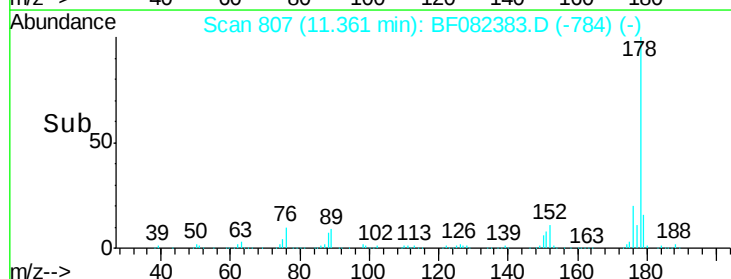
179 15.9 12.6 19.0

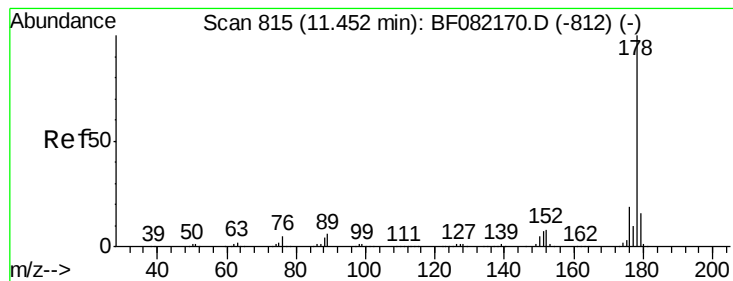


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.50 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

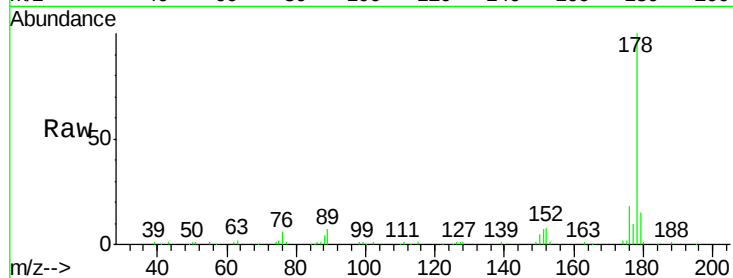
Tgt Ion:178 Resp: 101638

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.0

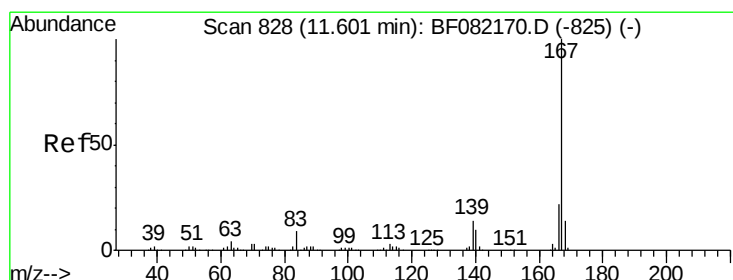
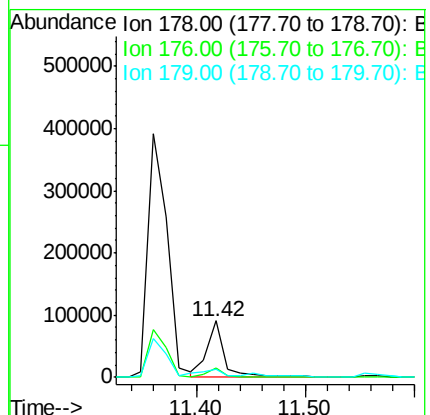
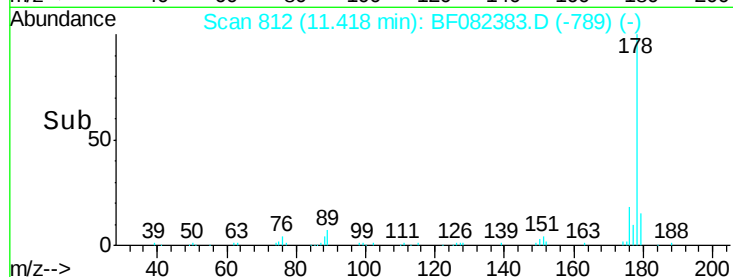
179 15.4 12.5 18.7



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



#72

Carbazole

Concen: 3.46 ng

RT: 11.58 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

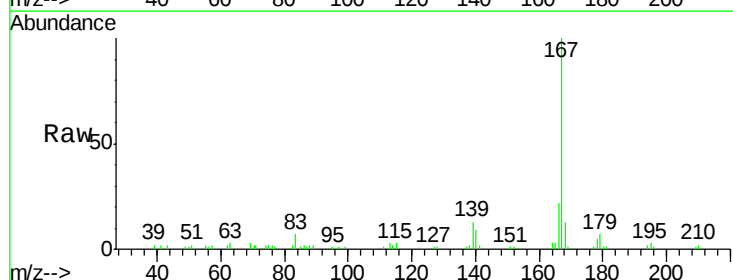
Tgt Ion:167 Resp: 49355

Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

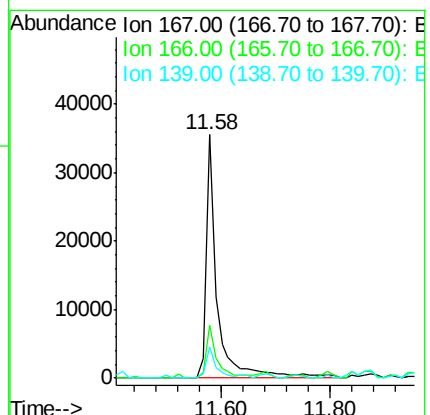
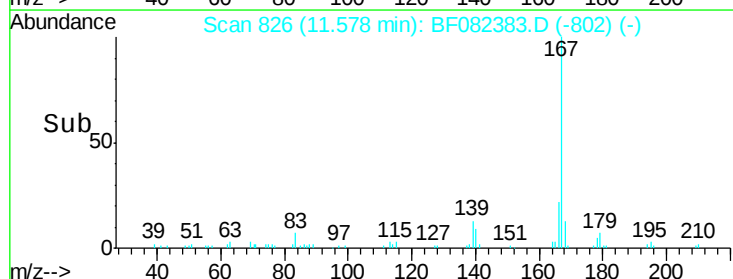
139 12.8 11.2 16.8

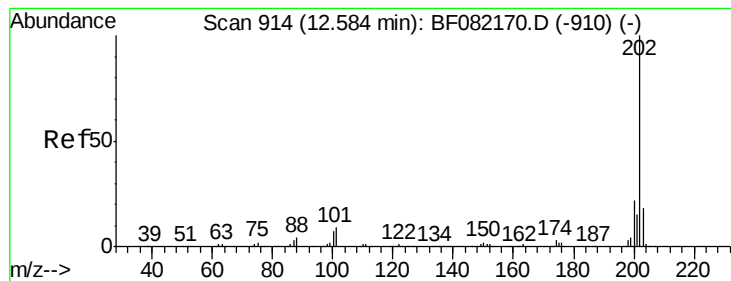


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 36.46 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

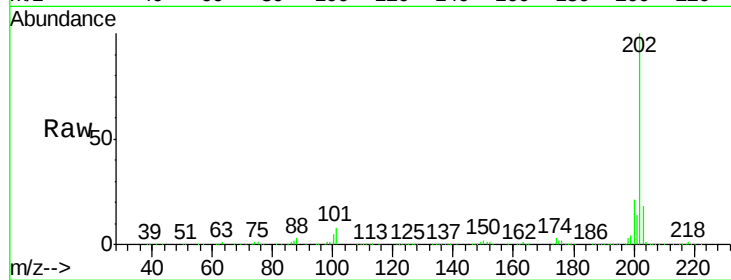
Tgt Ion: 202 Resp: 593961

Ion Ratio Lower Upper

202 100

101 7.6 0.0 29.3

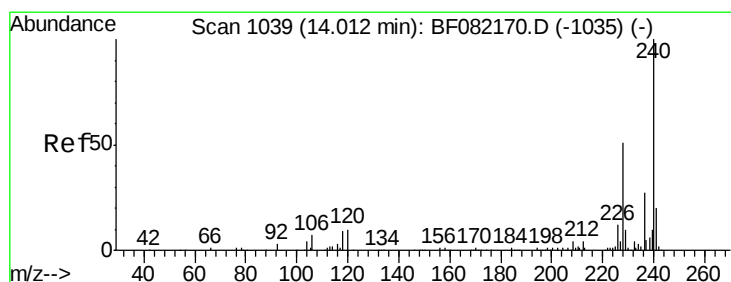
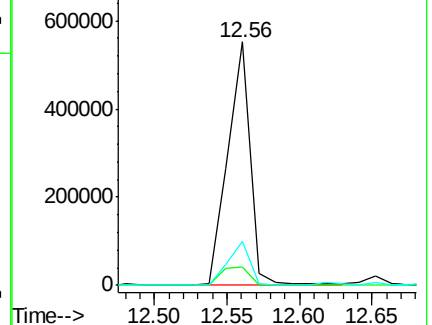
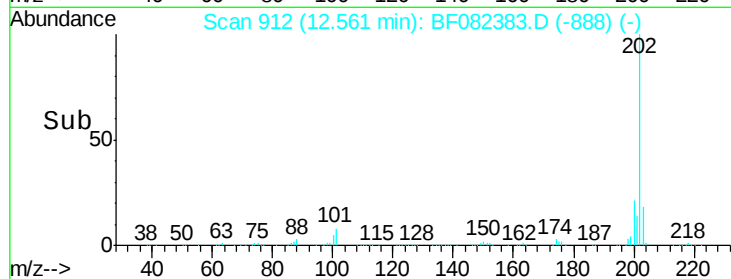
203 17.9 0.0 37.8



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: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

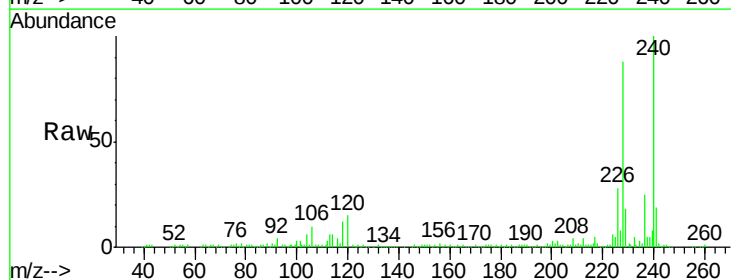
Tgt Ion: 240 Resp: 237011

Ion Ratio Lower Upper

240 100

120 14.6 8.1 12.1#

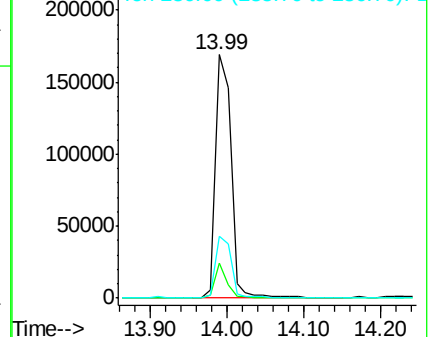
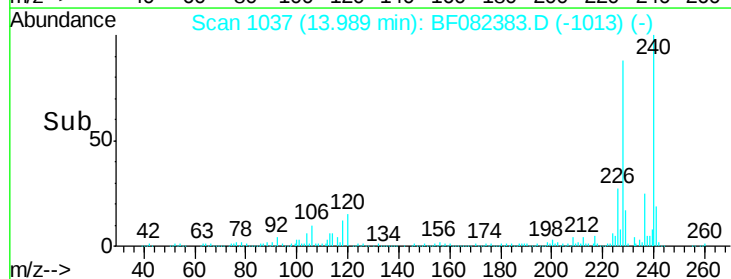
236 25.3 21.3 31.9

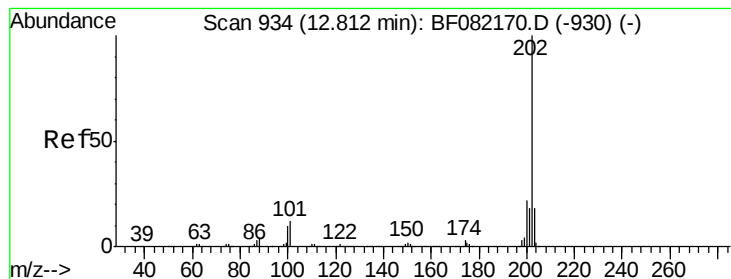


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 35.40 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

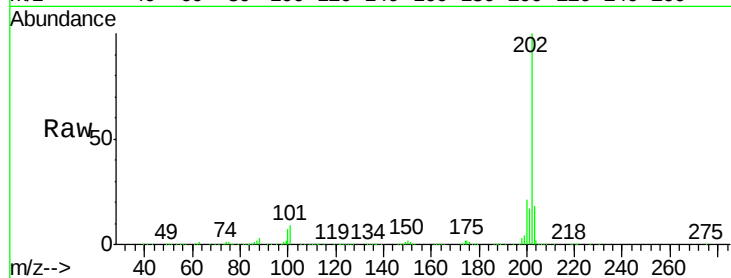
Tgt Ion:202 Resp: 497944

Ion Ratio Lower Upper

202 100

200 21.4 17.9 26.9

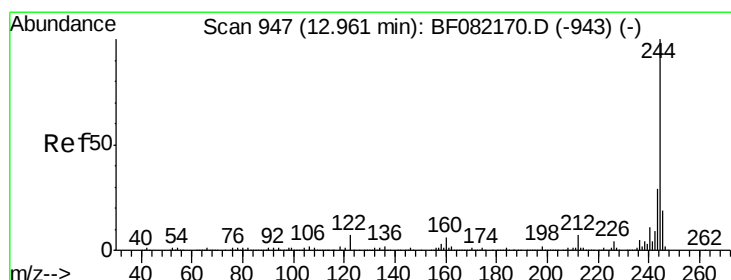
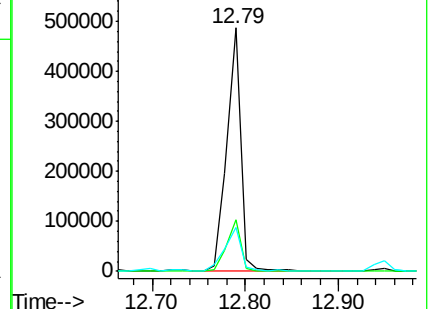
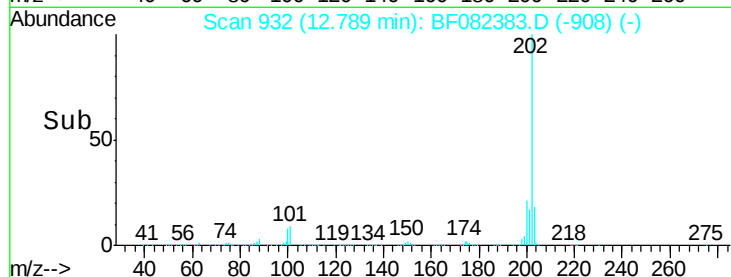
203 17.8 14.5 21.7



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: 17.97 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

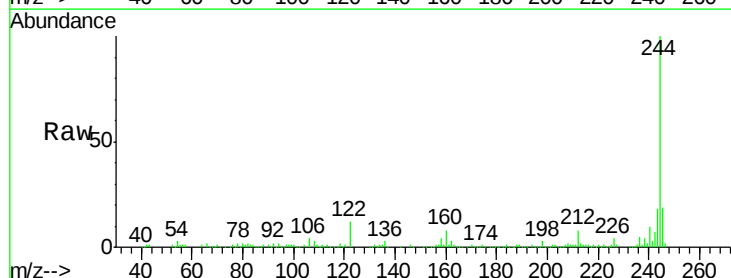
Tgt Ion:244 Resp: 160724

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

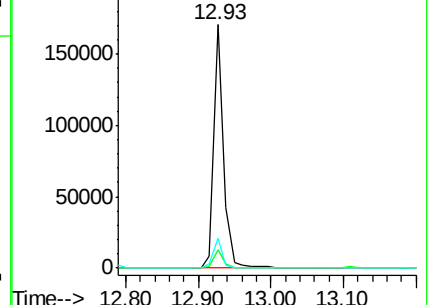
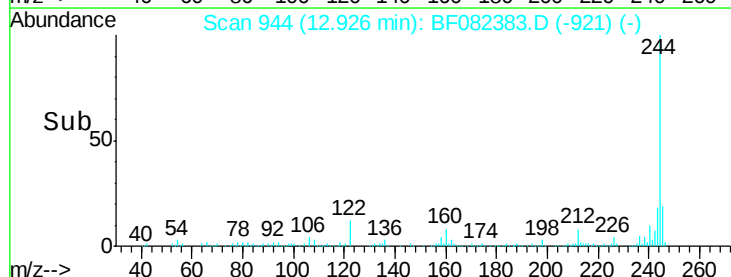
122 12.3 5.9 8.9#

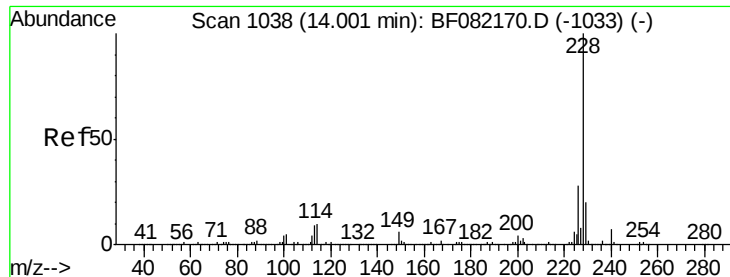


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.81 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

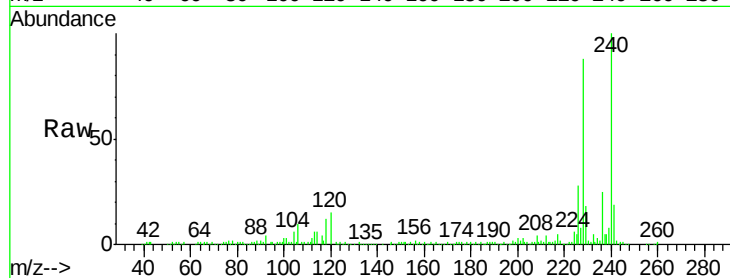
Tgt Ion:228 Resp: 231963

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

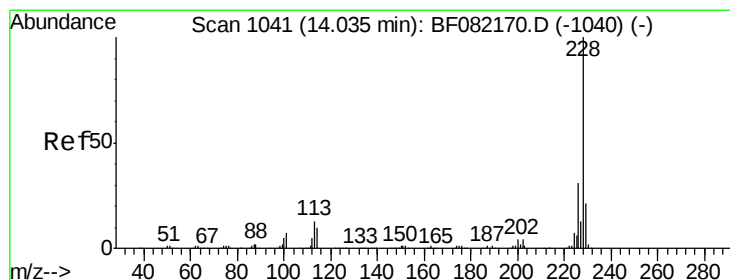
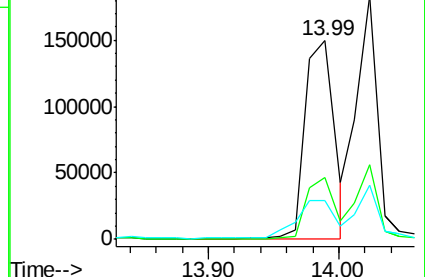
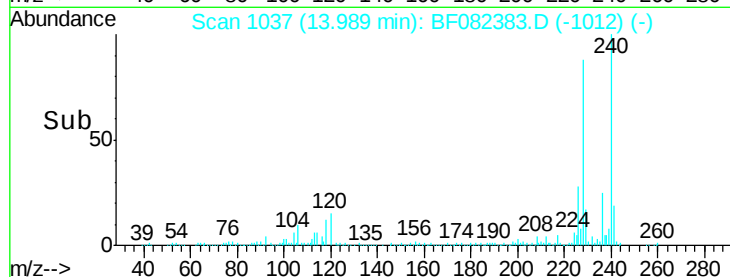
229 19.9 16.2 24.2



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: 15.67 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

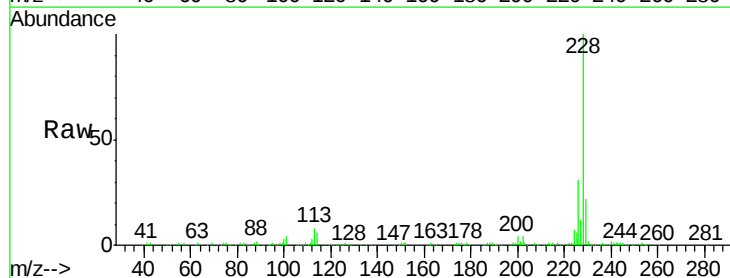
Tgt Ion:228 Resp: 203610

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

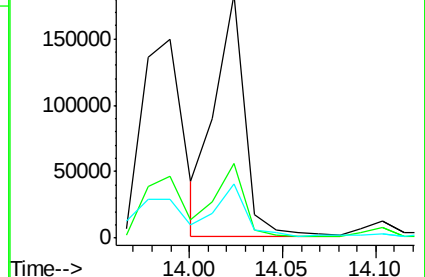
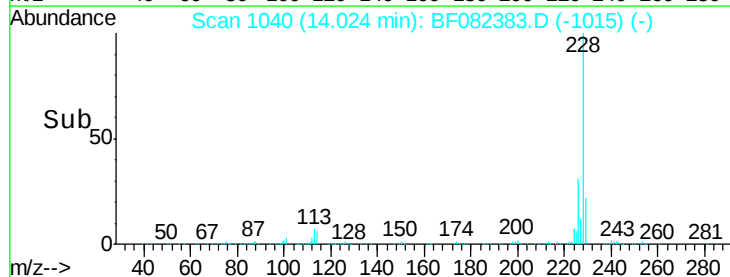
229 22.4 16.3 24.5

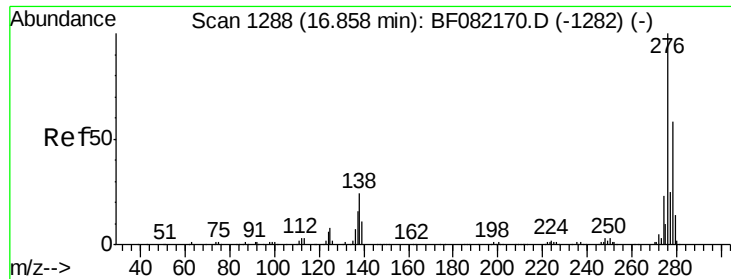


Abundance Ion 228.00 (227.70 to 228.70): E

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: 9.79 ng

RT: 16.87 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

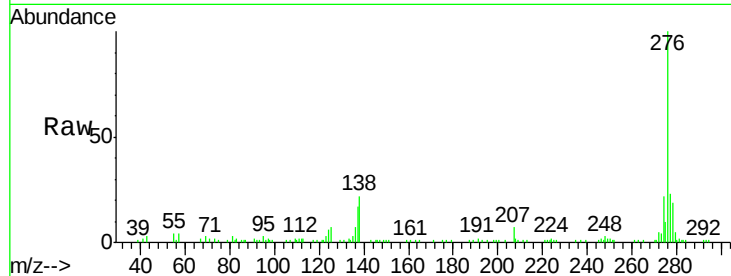
Tgt Ion: 276 Resp: 101106

Ion Ratio Lower Upper

276 100

138 20.7 19.7 29.5

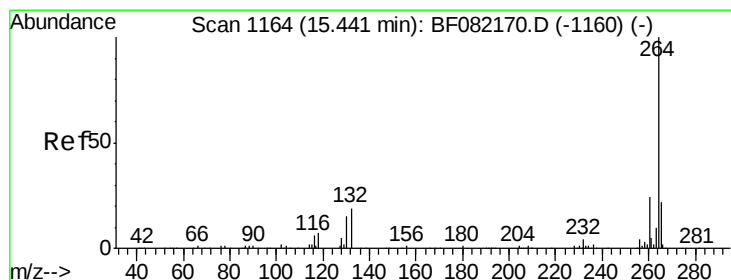
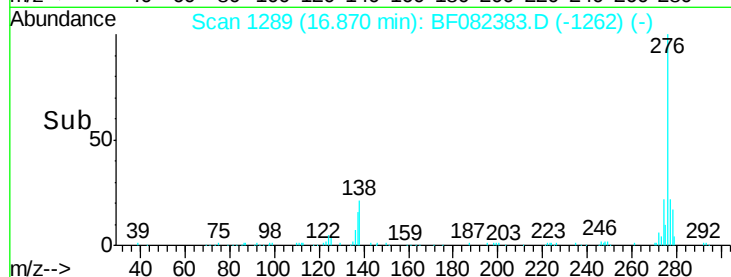
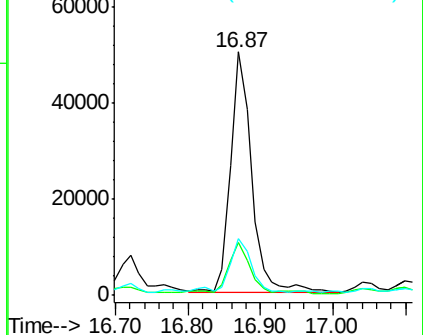
277 23.5 20.1 30.1



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: 15.46 min Scan# 1166

Delta R.T. 0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

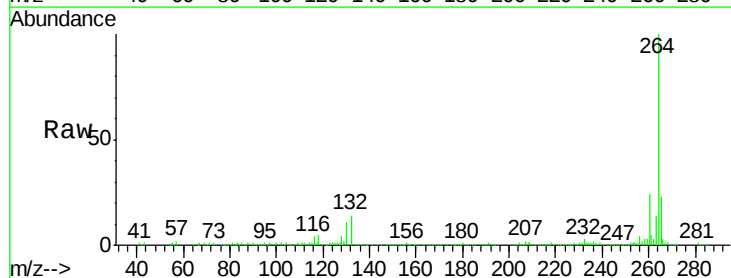
Tgt Ion: 264 Resp: 224532

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

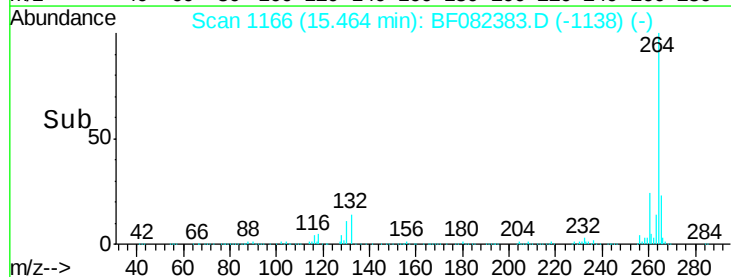
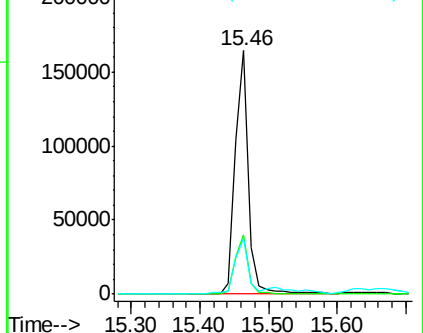
265 22.8 17.3 25.9

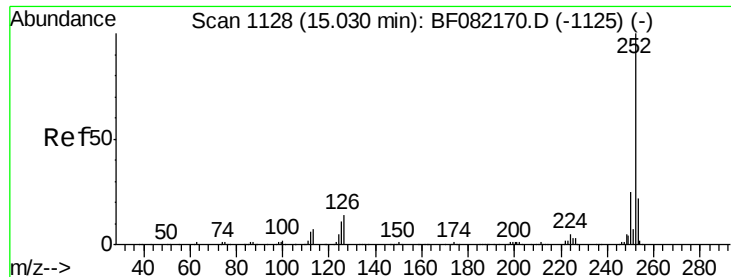


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.26 ng

RT: 15.05 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

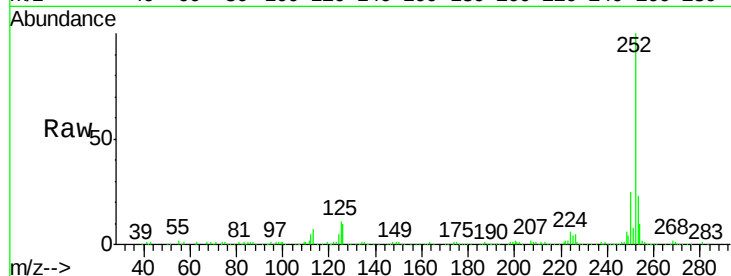
Instrument :

BNA_F

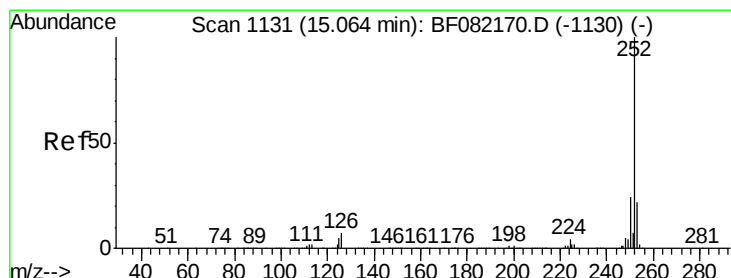
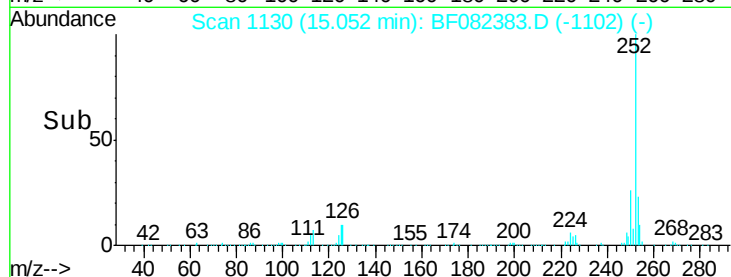
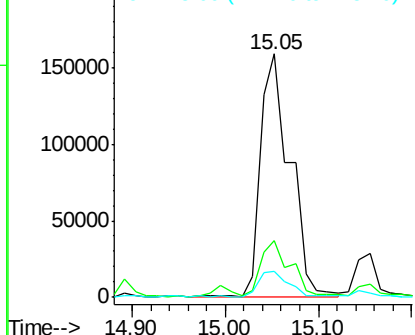
ClientSampleId :

TK1-DUP-20151015DL

Tgt Ion:	252	Resp:	345041
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	10.7	8.6	12.8



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



#88

Benzo(k)fluoranthene

Concen: 30.05 ng

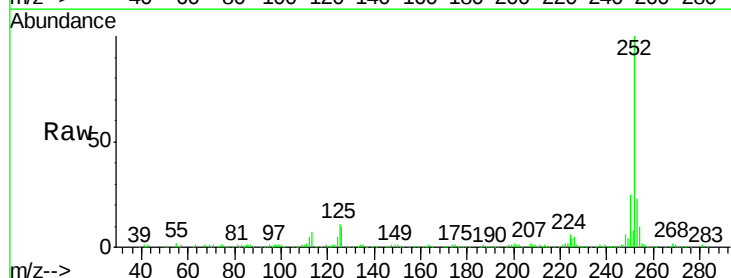
RT: 15.05 min Scan# 1130

Delta R.T. -0.01 min

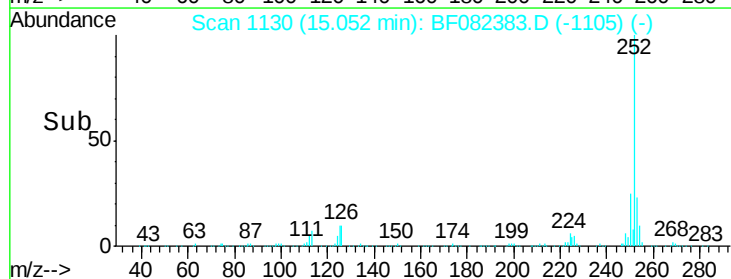
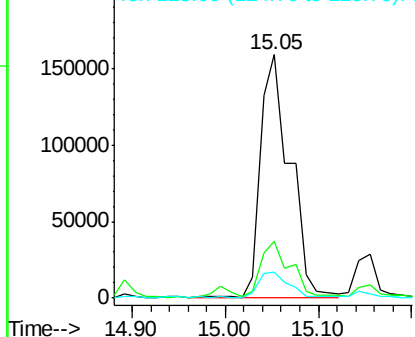
Lab File: BF082383.D

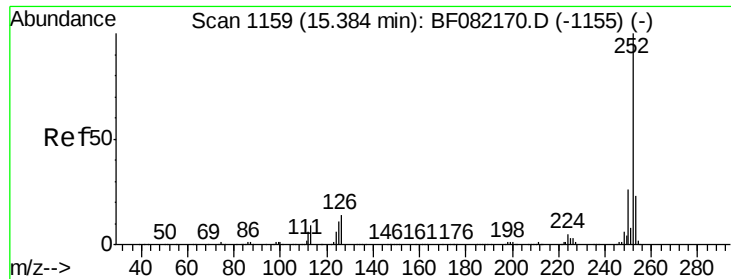
Acq: 20 Oct 2015 5:31

Tgt Ion:	252	Resp:	345041
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	10.7	6.7	10.1#



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





#89

Benzo(a)pyrene

Concen: 15.06 ng

RT: 15.40 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

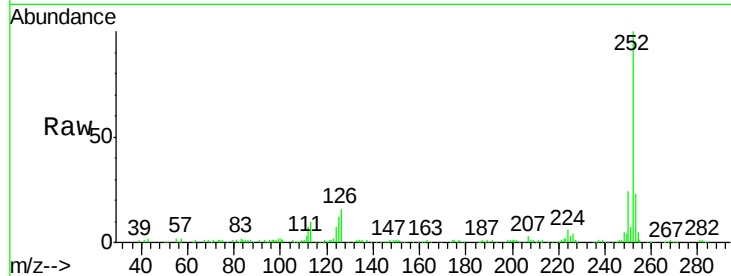
Tgt Ion:252 Resp: 176835

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

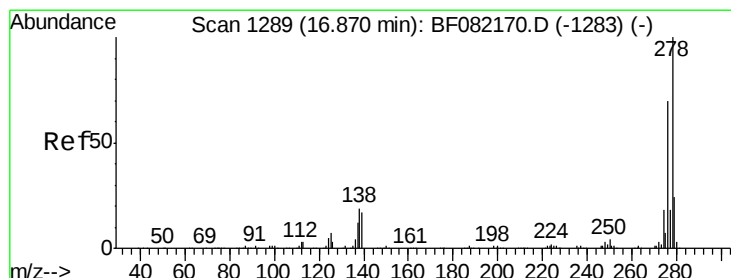
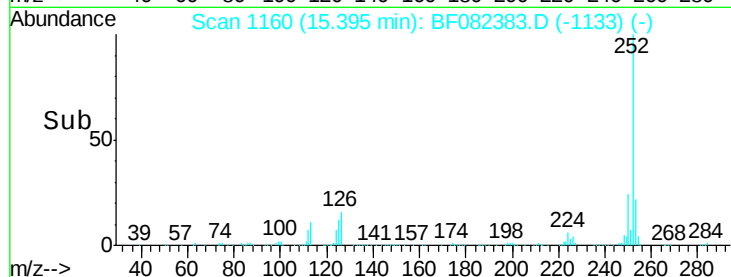
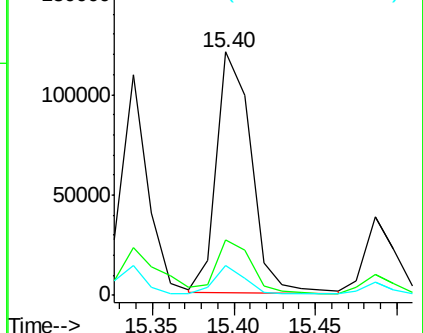
125 12.0 8.9 13.3



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



#90

Dibenzo(a,h)anthracene

Concen: 2.68 ng

RT: 16.88 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

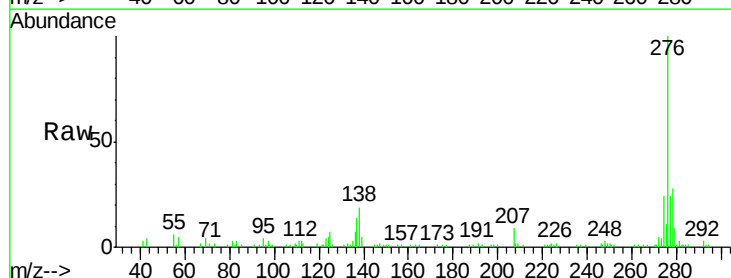
Tgt Ion:278 Resp: 25817

Ion Ratio Lower Upper

278 100

139 19.3 13.3 19.9

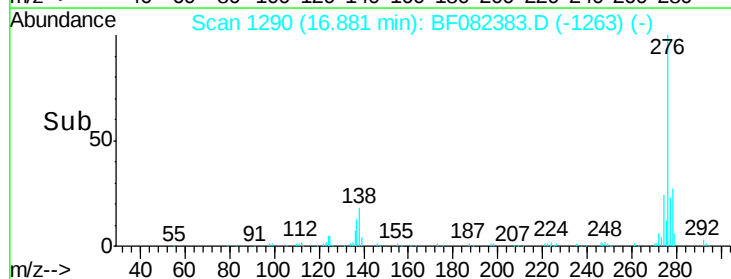
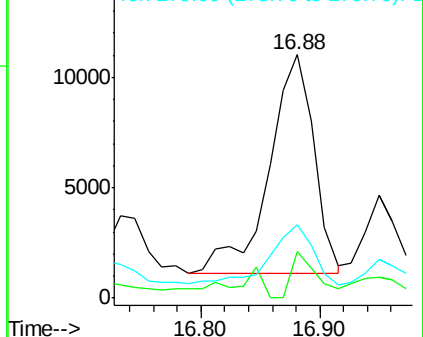
279 30.1 18.9 28.3#

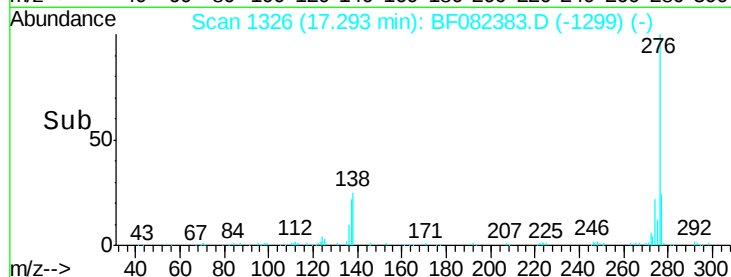
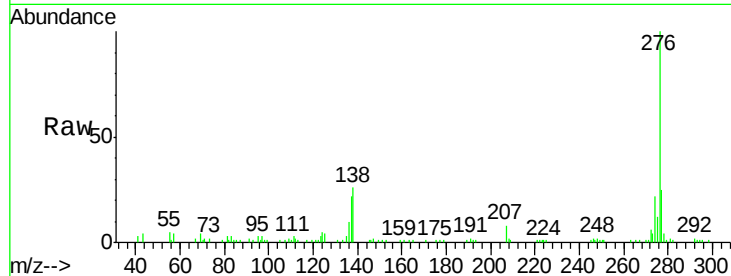
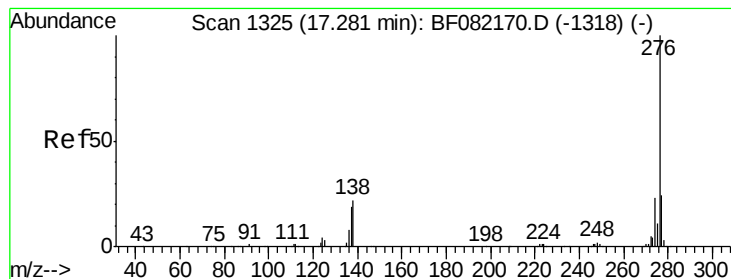


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 10.23 ng

RT: 17.29 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF082383.D

Acq: 20 Oct 2015 5:31

Instrument :

BNA_F

ClientSampleId :

TK1-DUP-20151015DL

Tgt Ion:276 Resp: 95642

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 25.7 17.4 26.2

