

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082341.D
 Acq On : 16 Oct 2015 22:36
 Operator : UM/IZ
 Sample : G4015-13 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LW-1

Quant Time: Oct 17 01:18:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	50587	20.00	ng	0.10
21) Naphthalene-d8	8.22	136	221595	20.00	ng	0.09
38) Acenaphthene-d10	9.98	164	120371	20.00	ng	0.09
63) Phenanthrene-d10	11.46	188	263883	20.00	ng	0.09
75) Chrysene-d12	14.14	240	249776	20.00	ng	0.07
86) Perylene-d12	15.69	264	216610	20.00	ng	0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	20371	8.13	ng	0.13
7) Phenol-d6	6.58	99	27923	8.56	ng	0.10
23) Nitrobenzene-d5	7.51	82	17099	5.18	ng	0.09
41) 2,4,6-Tribromophenol	10.77	330	10411	9.22	ng	0.08
44) 2-Fluorobiphenyl	9.29	172	51796	7.14	ng	0.08
78) Terphenyl-d14	13.04	244	68663	7.28	ng	0.08

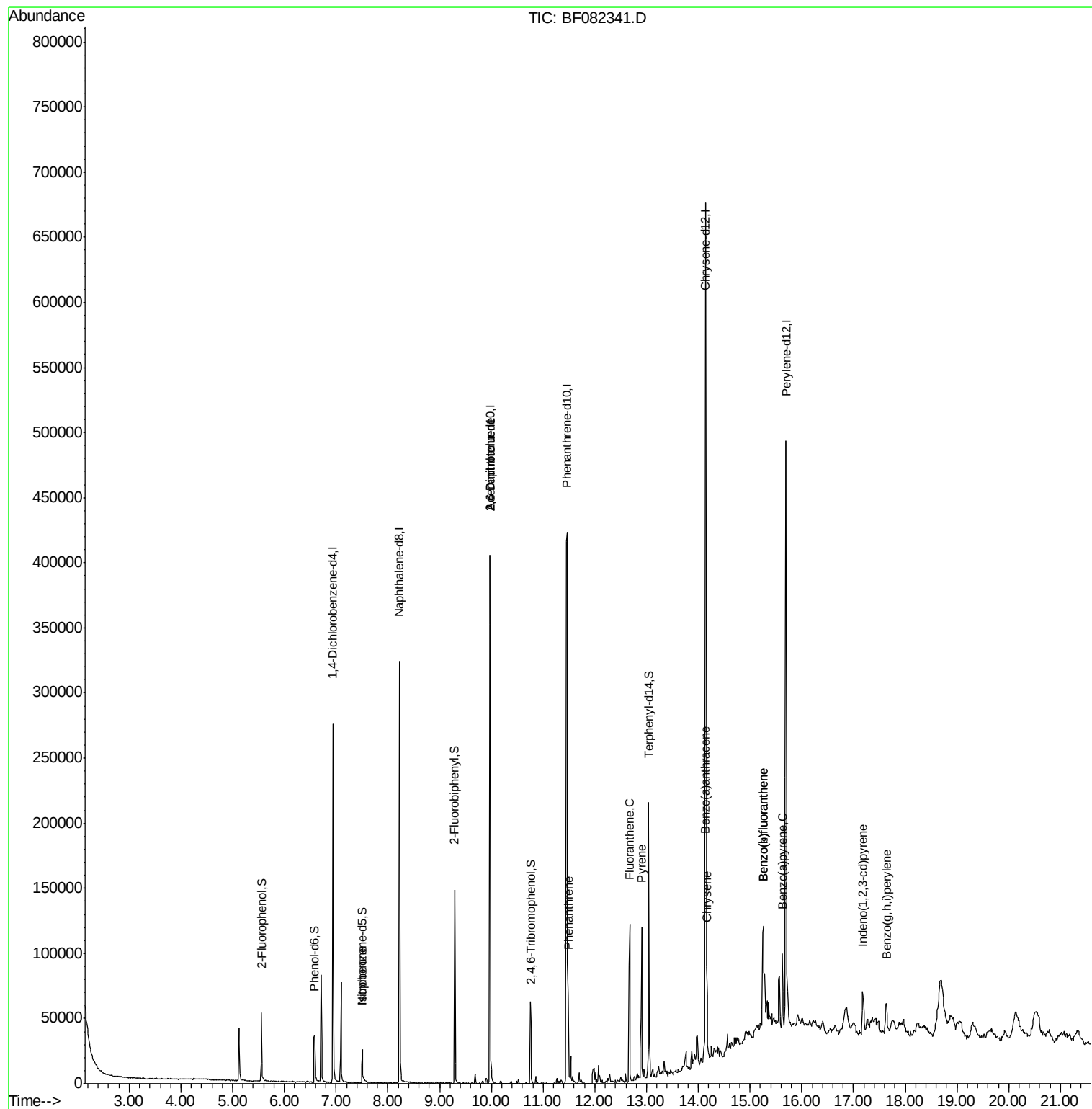
Target Compounds						Qvalue
25) Isophorone	7.51	82	17098	2.57	ng	# 66
50) 2,6-Dinitrotoluene	9.98	165	14670	8.20	ng	# 30
55) 4-Nitrophenol	10.18	139	600	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.98	165	14670	6.56	ng	# 21
70) Phenanthrene	11.49	178	43965	3.40	ng	97
74) Fluoranthene	12.67	202	72672	5.23	ng	95
77) Pyrene	12.90	202	56324	3.80	ng	97
80) Benzo(a)anthracene	14.13	228	38490	2.96	ng	98
82) Chrysene	14.16	228	28728	2.10	ng	95
85) Indeno(1,2,3-cd)pyrene	17.18	276	22911	2.11	ng	97
87) Benzo(b)fluoranthene	15.26	252	62112	4.71	ng	98
88) Benzo(k)fluoranthene	15.26	252	62112	5.61	ng	# 95
89) Benzo(a)pyrene	15.62	252	28864	2.55	ng	94
91) Benzo(a,h,i)perylene	17.64	276	20304	2.25	ng	97

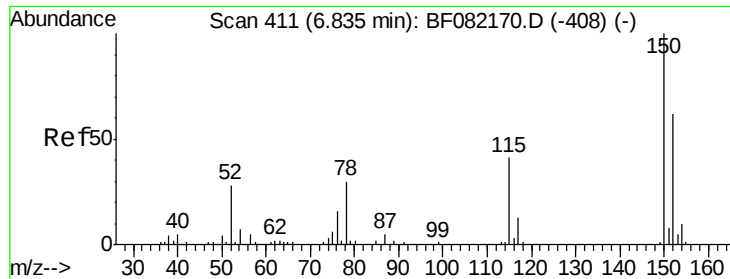
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. 0.10 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

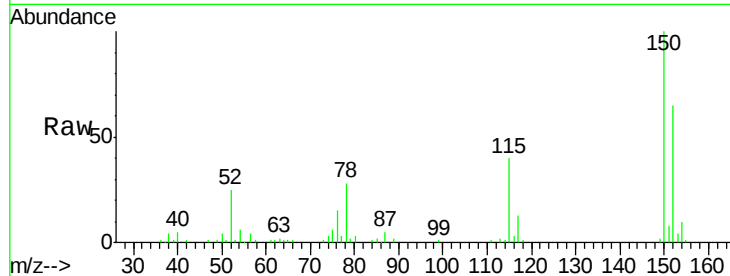
Tot Ion:152 Resp: 50587

Ion Ratio Lower Upper

152 100

150 154.7 129.0 193.4

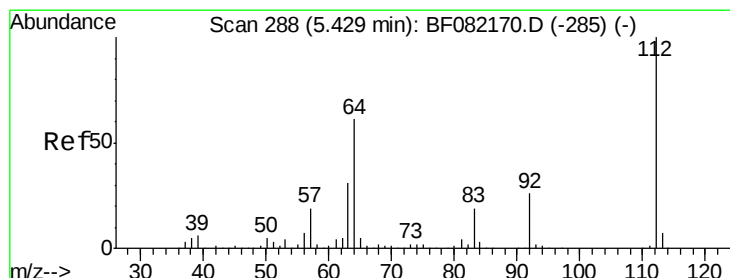
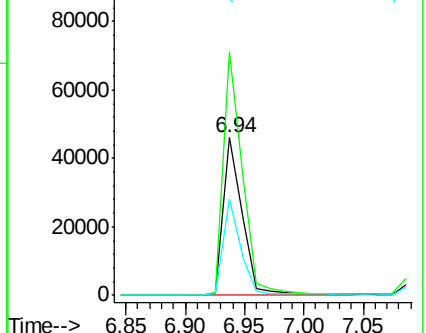
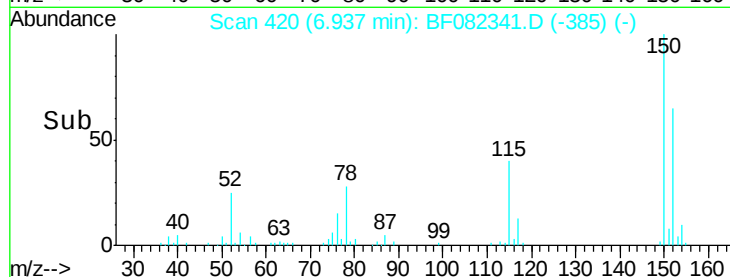
115 61.2 52.1 78.1



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: 8.13 ng

RT: 5.55 min Scan# 299

Delta R.T. 0.13 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

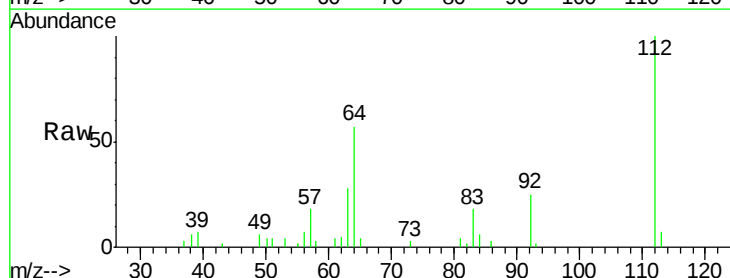
Tgt Ion:112 Resp: 20371

Ion Ratio Lower Upper

112 100

64 56.5 48.6 73.0

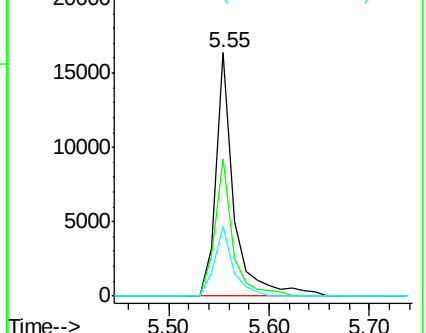
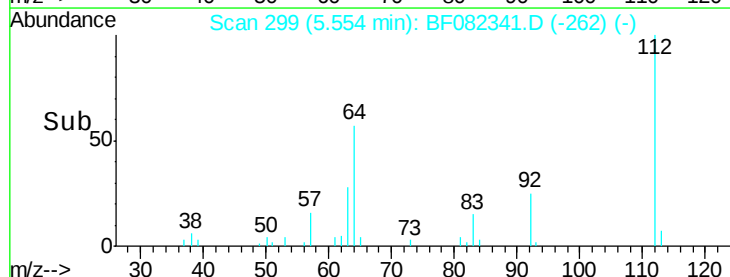
63 28.5 25.1 37.7



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: 8.56 ng

RT: 6.58 min Scan# 389

Delta R.T. 0.10 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

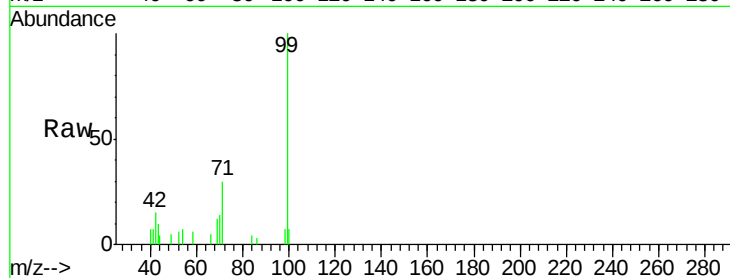
Tot Ion: 99 Resp: 27923

Ion Ratio Lower Upper

99 100

42 15.4 13.2 19.8

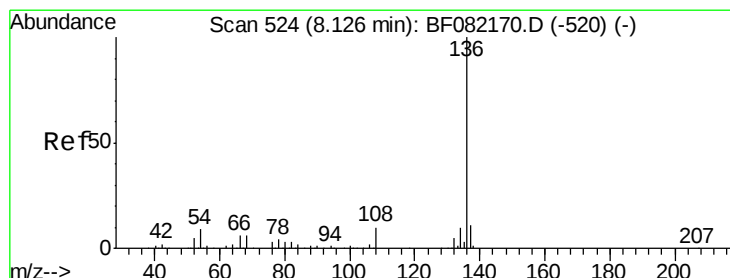
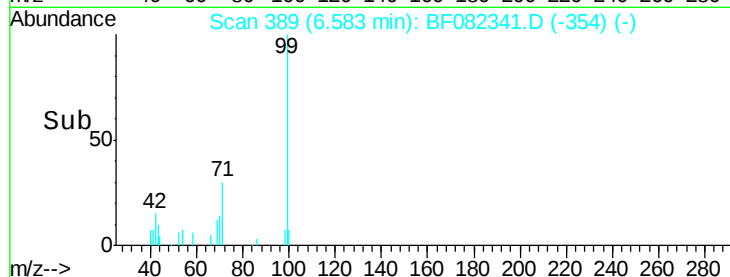
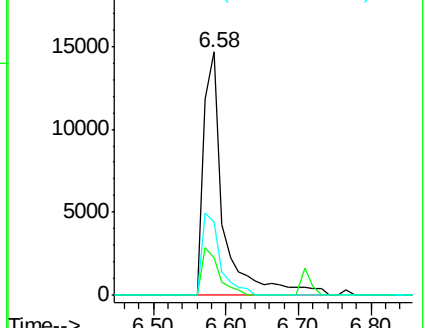
71 30.1 25.6 38.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 532

Delta R.T. 0.09 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Tgt Ion: 136 Resp: 221595

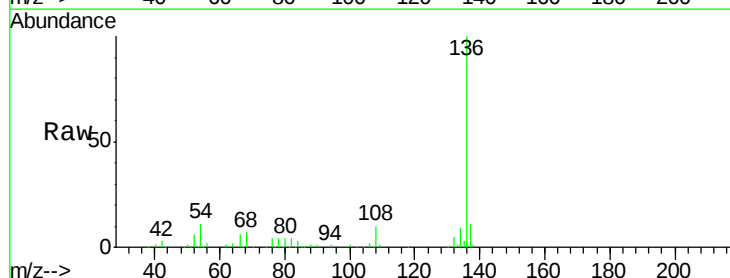
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 10.9 7.5 11.3

68 6.7 4.6 7.0

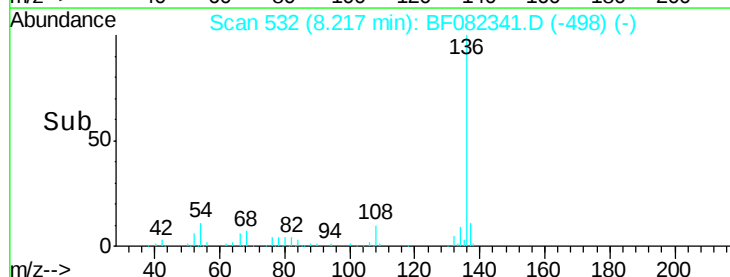
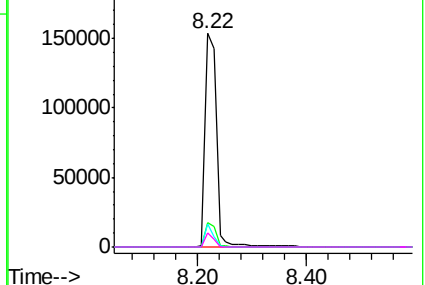


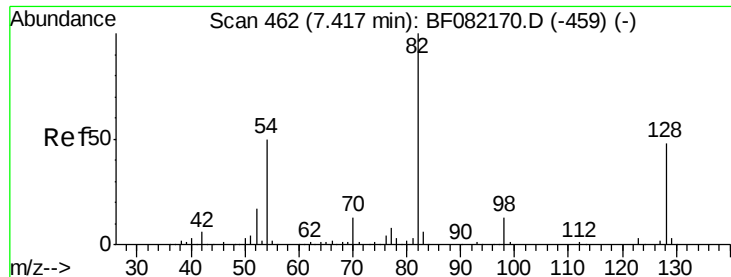
Abundance Ion 136.00 (135.70 to 136.70): E

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

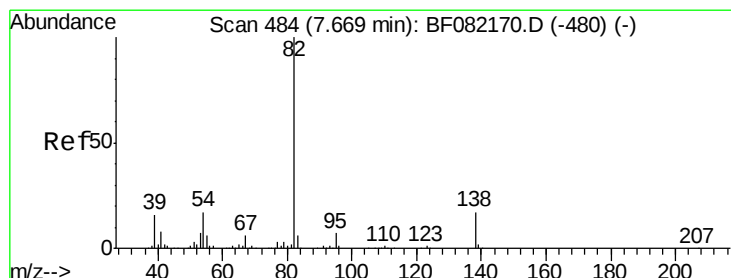
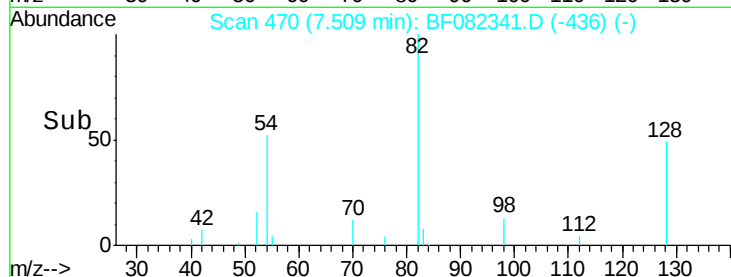
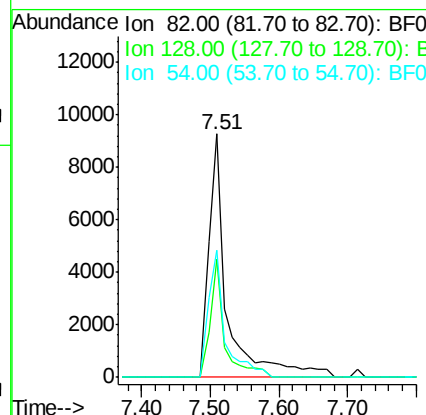
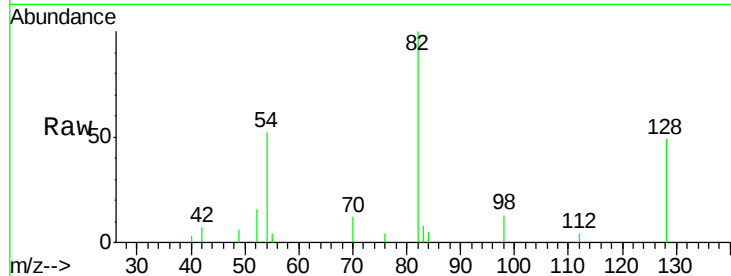




#23
 Nitrobenzene-d5
 Concen: 5.18 ng
 RT: 7.51 min Scan# 470
 Delta R.T. 0.09 min
 Lab File: BF082341.D
 Acq: 16 Oct 2015 22:36

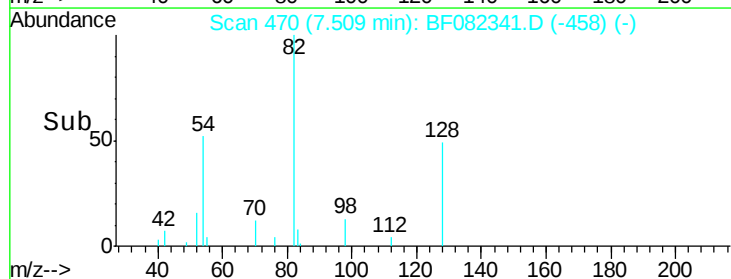
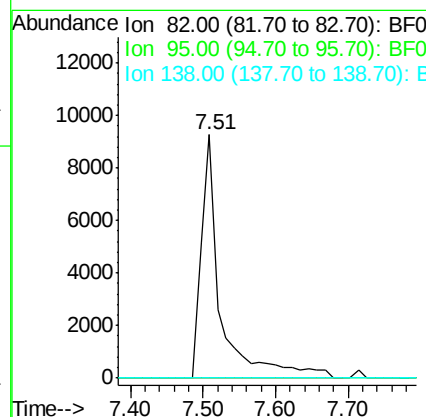
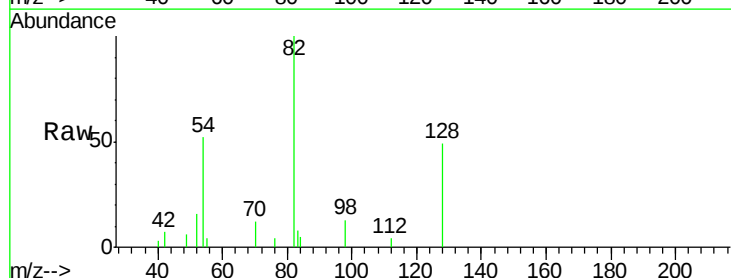
Instrument :
 BNA_F
 ClientSampleId :
 LW-1

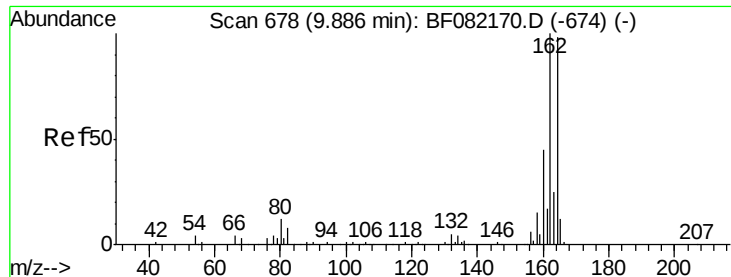
Tot Ion: 82 Resp: 17099
 Ion Ratio Lower Upper
 82 100
 128 48.6 38.7 58.1
 54 52.3 40.1 60.1



#25
 Isophorone
 Concen: 2.57 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.16 min
 Lab File: BF082341.D
 Acq: 16 Oct 2015 22:36

Tgt Ion: 82 Resp: 17098
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 686

Delta R.T. 0.09 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

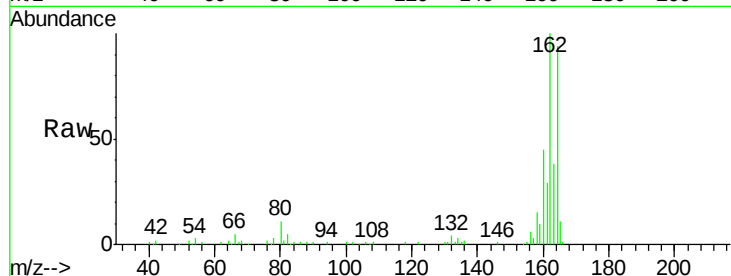
Tot Ion:164 Resp: 120371

Ion Ratio Lower Upper

164 100

162 106.8 81.6 122.4

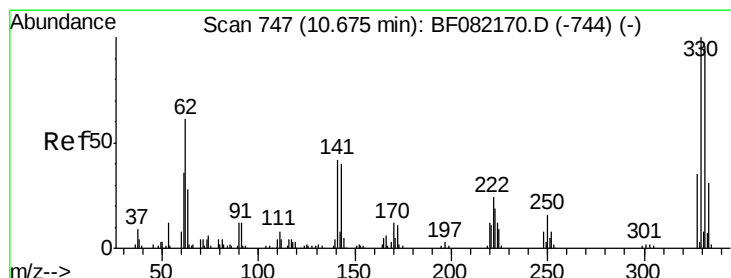
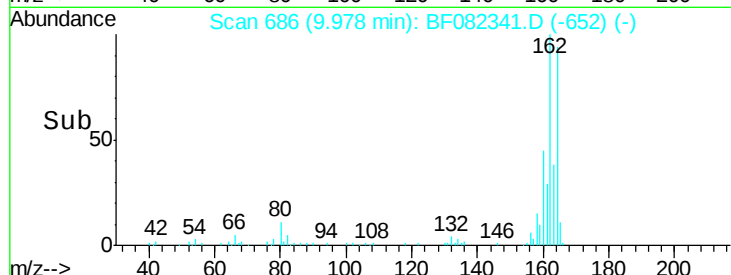
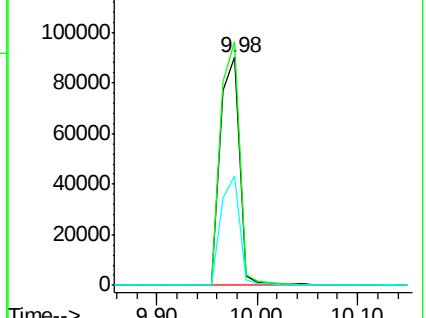
160 47.9 36.4 54.6



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: 9.22 ng

RT: 10.77 min Scan# 755

Delta R.T. 0.08 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

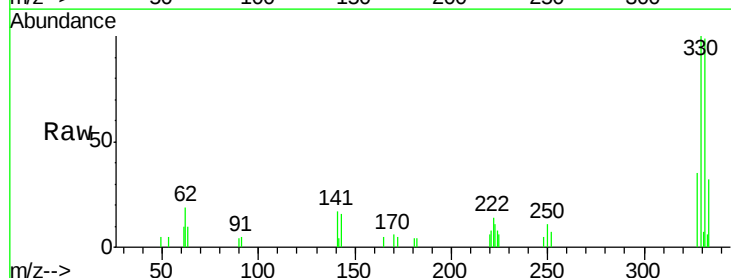
Tgt Ion:330 Resp: 10411

Ion Ratio Lower Upper

330 100

332 93.1 77.1 115.7

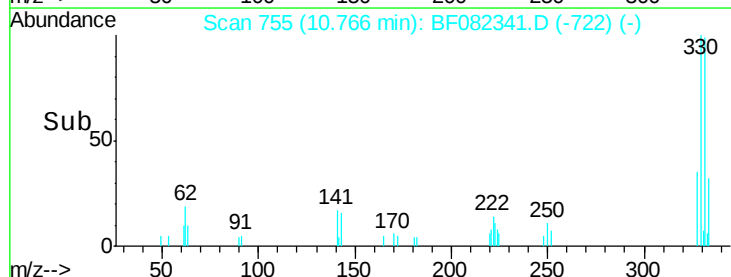
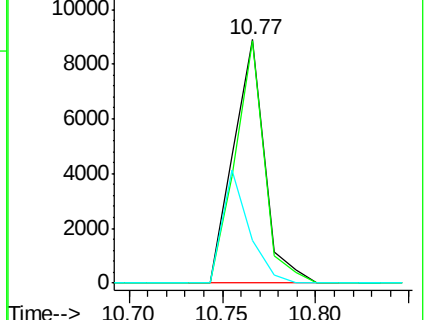
141 39.4 29.8 44.8

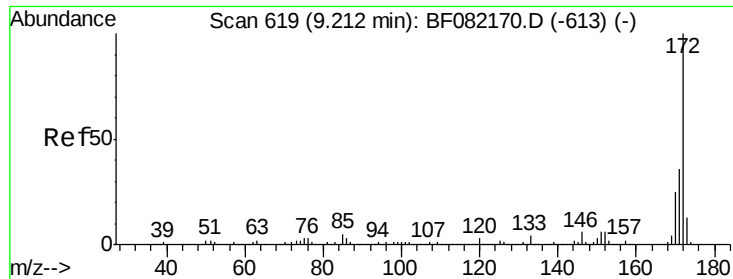


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

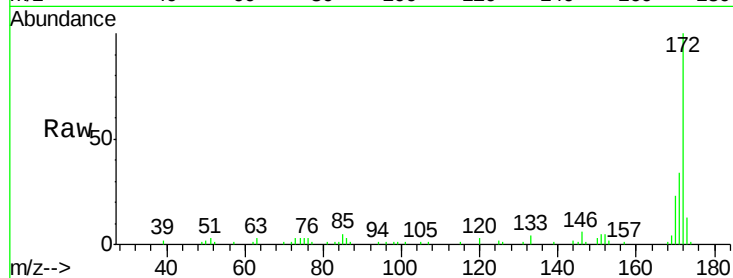




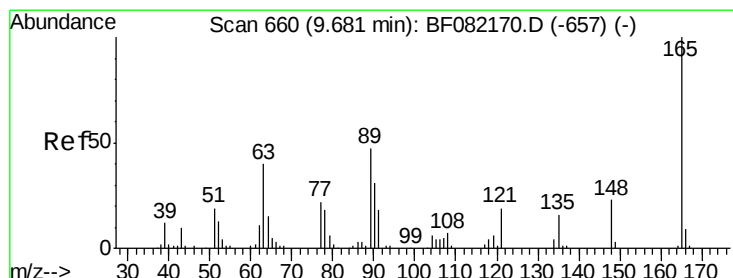
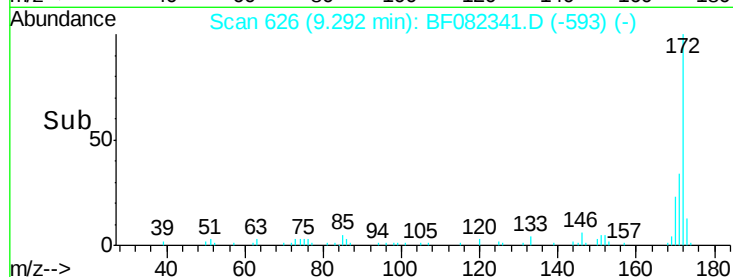
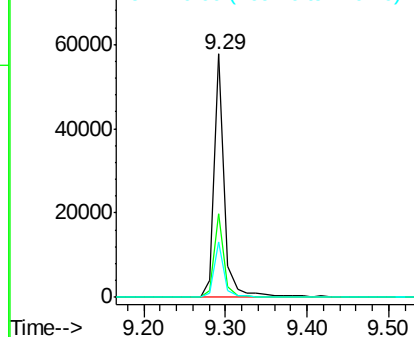
#44
 2-Fluorobiphenyl
 Concen: 7.14 ng
 RT: 9.29 min Scan# 626
 Delta R.T. 0.08 min
 Lab File: BF082341.D
 Acq: 16 Oct 2015 22:36

Instrument :
 BNA_F
 ClientSampleId :
 LW-1

Tot Ion:172 Resp: 51796
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 42.8
 170 22.6 19.7 29.5

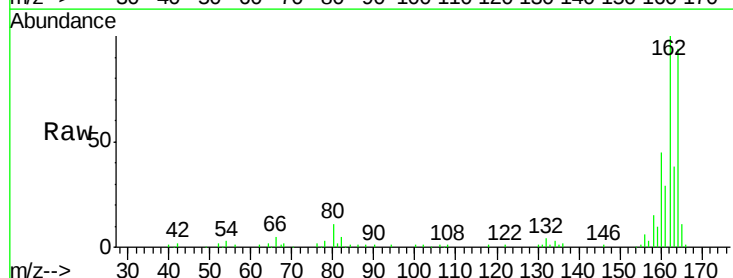


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

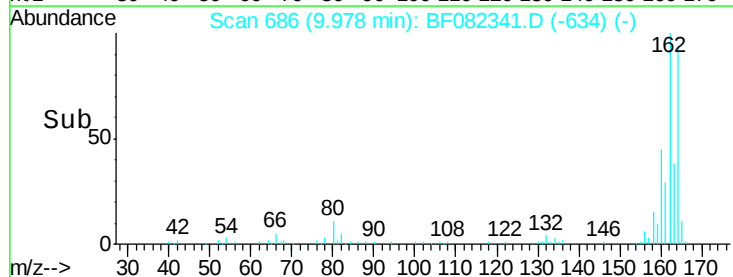
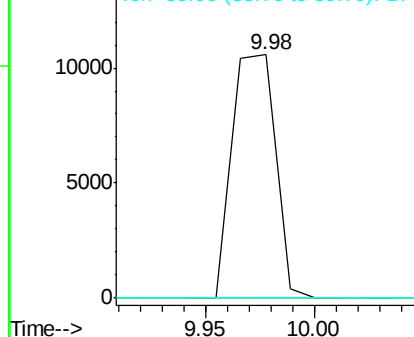


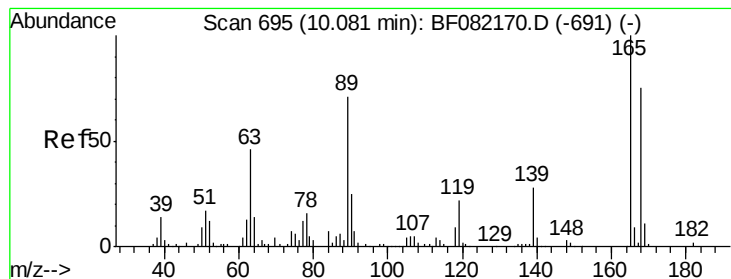
#50
 2,6-Dinitrotoluene
 Concen: 8.20 ng
 RT: 9.98 min Scan# 686
 Delta R.T. 0.30 min
 Lab File: BF082341.D
 Acq: 16 Oct 2015 22:36

Tgt Ion:165 Resp: 14670
 Ion Ratio Lower Upper
 165 100
 63 0.0 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





#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.10 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

Tot Ion:165 Resp: 14670

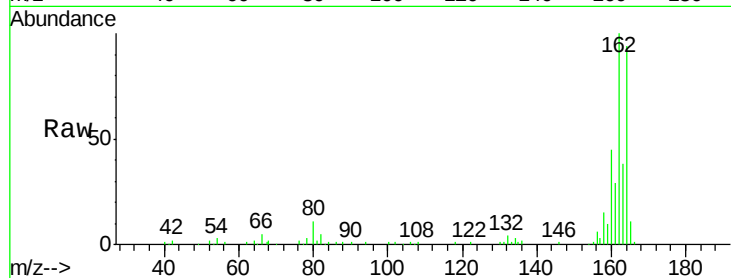
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

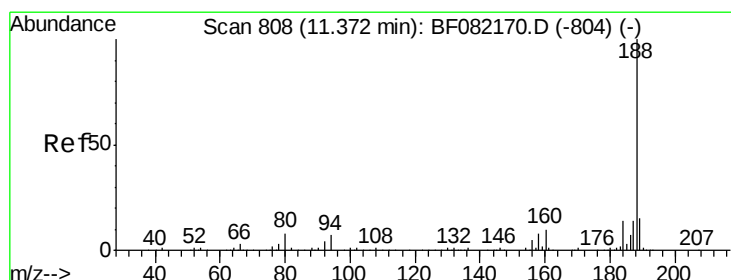
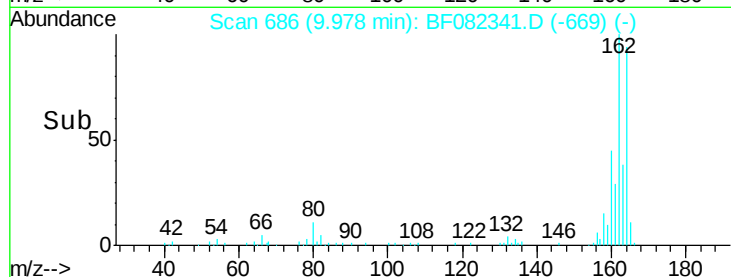
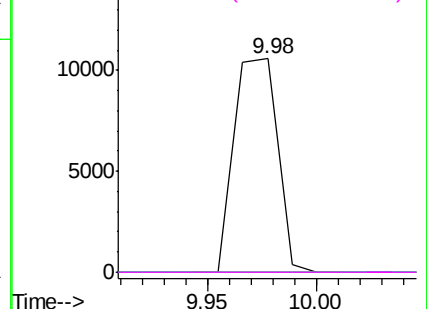


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 816

Delta R.T. 0.09 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

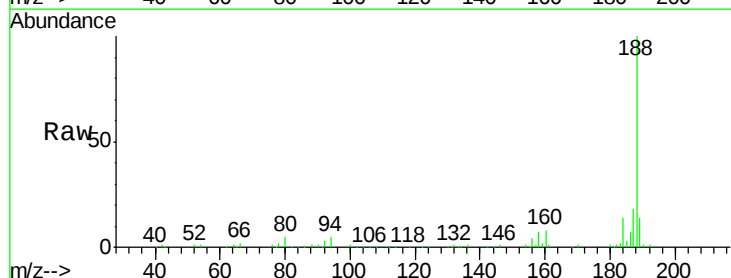
Tgt Ion:188 Resp: 263883

Ion Ratio Lower Upper

188 100

94 5.3 5.8 8.6#

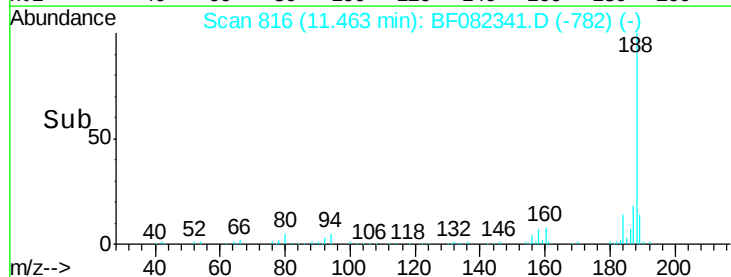
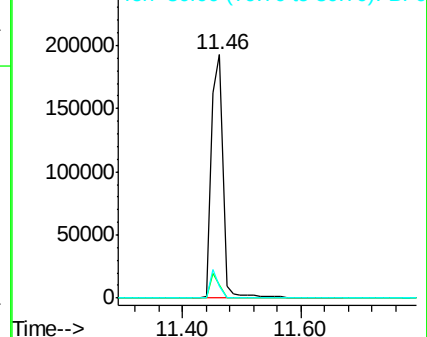
80 5.1 6.4 9.6#

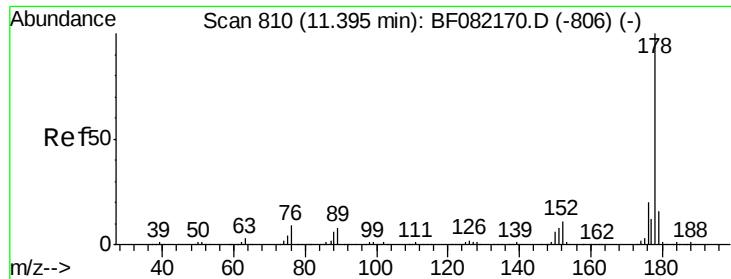


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.40 ng

RT: 11.49 min Scan# 818

Delta R.T. 0.09 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

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ClientSampleId :

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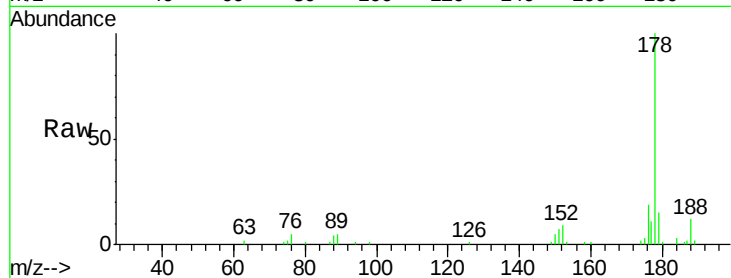
Tot Ion:178 Resp: 43965

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

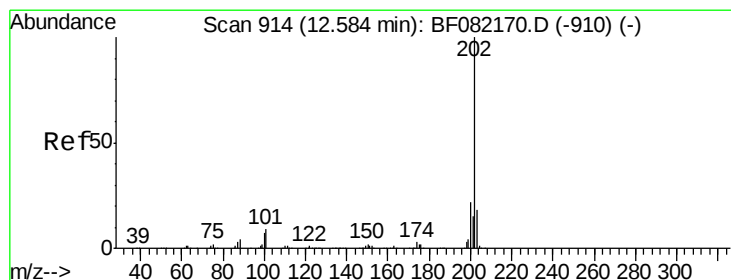
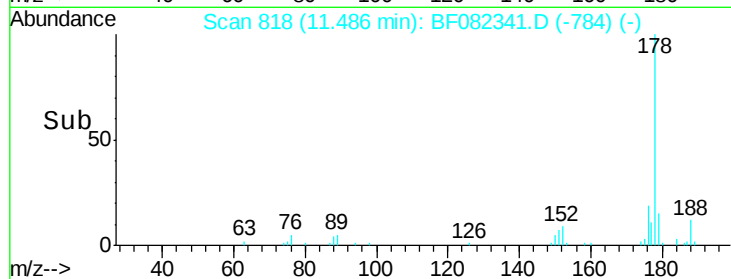
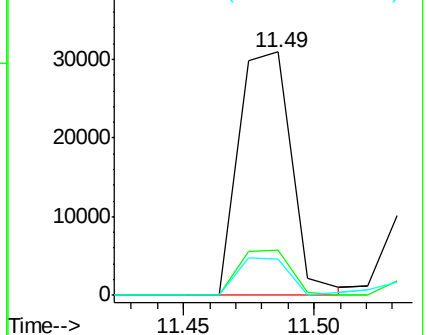
179 14.8 12.6 19.0



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



#74

Fluoranthene

Concen: 5.23 ng

RT: 12.67 min Scan# 922

Delta R.T. 0.08 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

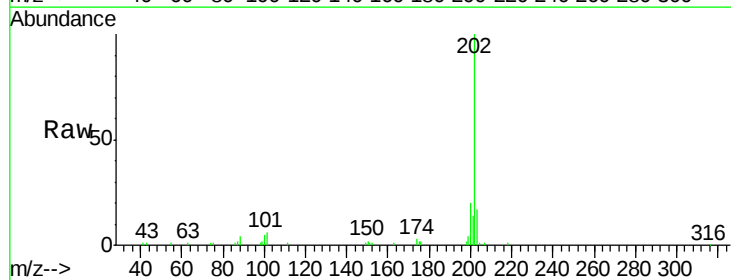
Tgt Ion:202 Resp: 72672

Ion Ratio Lower Upper

202 100

101 6.3 0.0 29.3

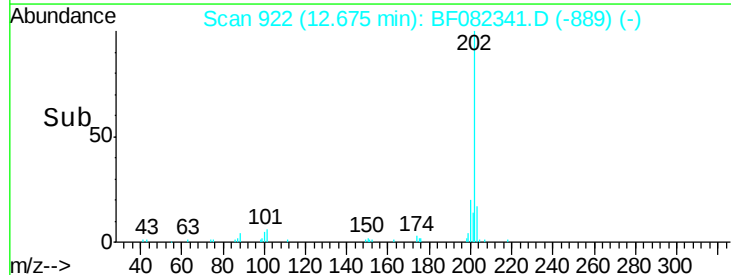
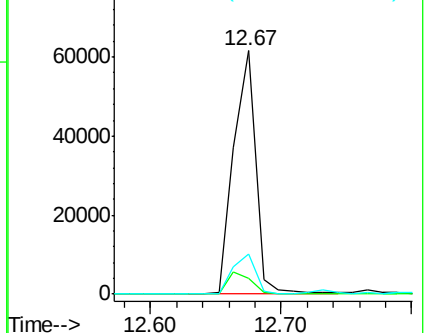
203 16.6 0.0 37.8

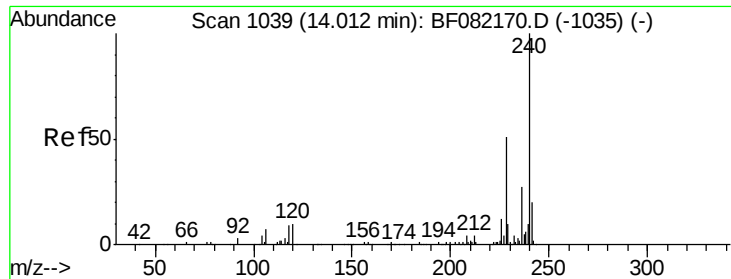


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 1050

Delta R.T. 0.07 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

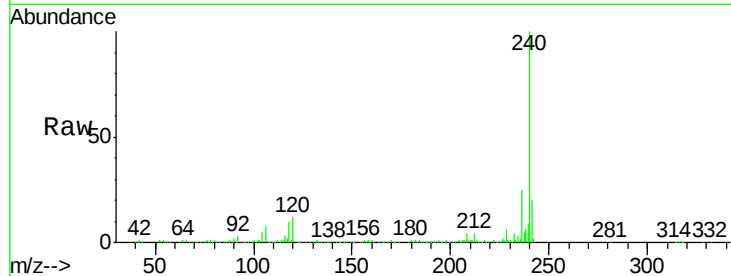
Tot Ion:240 Resp: 249776

Ion Ratio Lower Upper

240 100

120 11.7 8.1 12.1

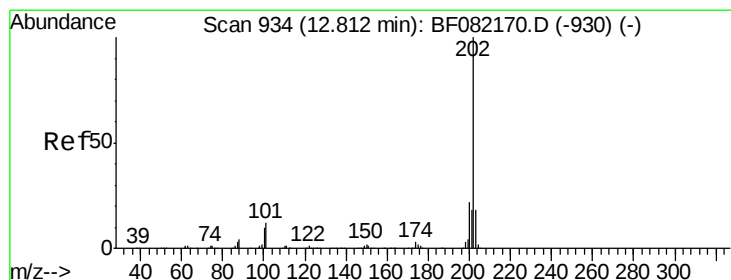
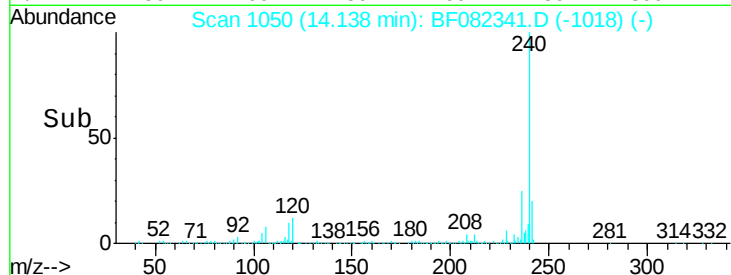
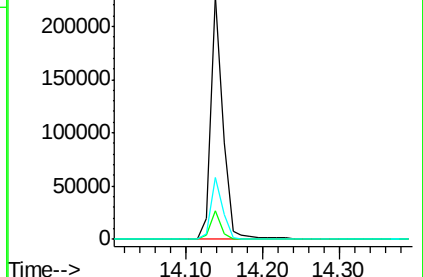
236 25.4 21.3 31.9



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: 3.80 ng

RT: 12.90 min Scan# 942

Delta R.T. 0.08 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

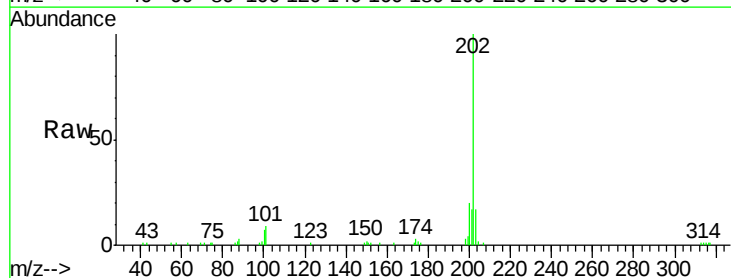
Tgt Ion:202 Resp: 56324

Ion Ratio Lower Upper

202 100

200 20.4 17.9 26.9

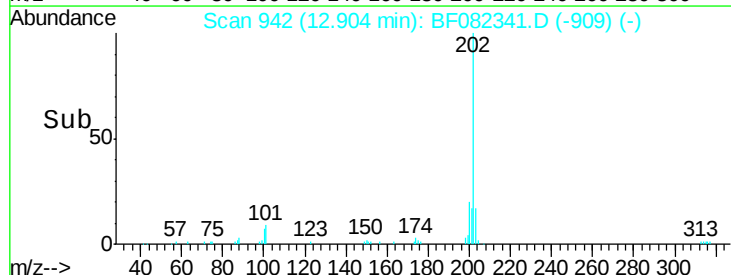
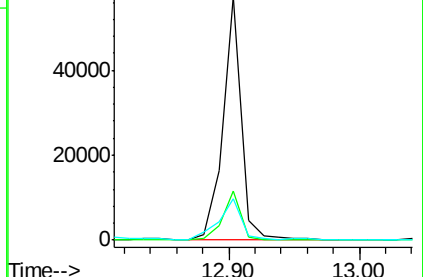
203 16.9 14.5 21.7

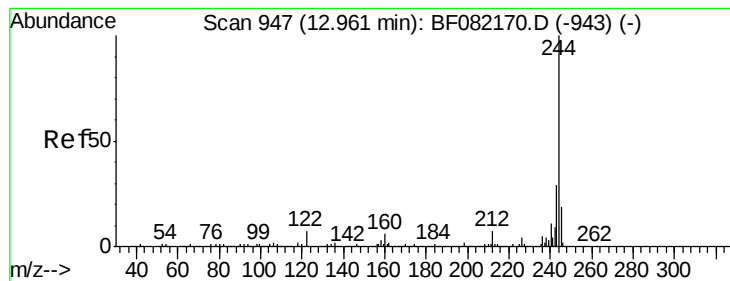


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.28 ng

RT: 13.04 min Scan# 954

Delta R.T. 0.08 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampled :

LW-1

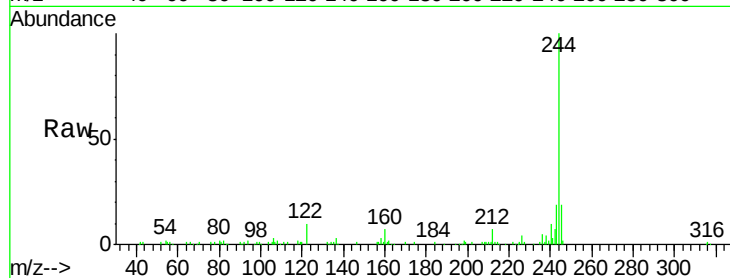
Tot Ion:244 Resp: 68663

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

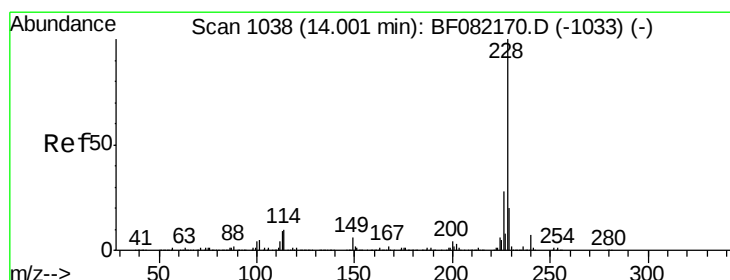
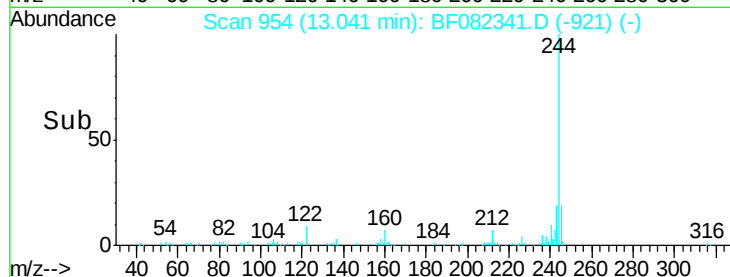
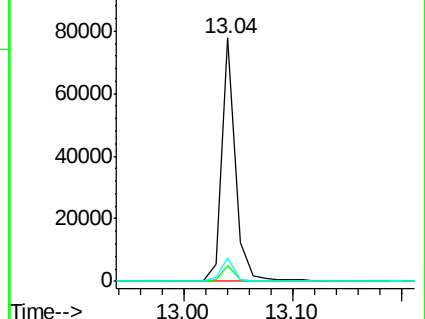
122 9.6 5.9 8.9#



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: 2.96 ng

RT: 14.13 min Scan# 1049

Delta R.T. 0.07 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

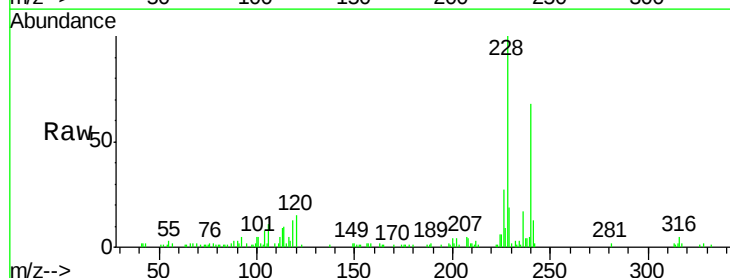
Tgt Ion:228 Resp: 38490

Ion Ratio Lower Upper

228 100

226 27.1 22.3 33.5

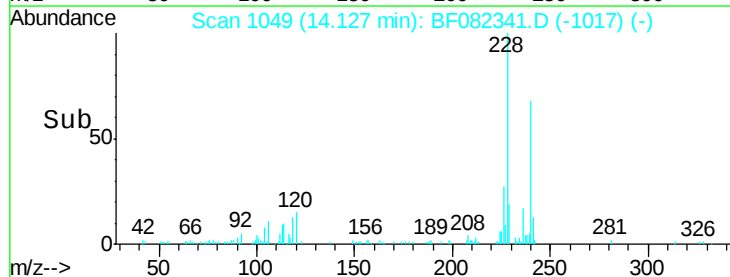
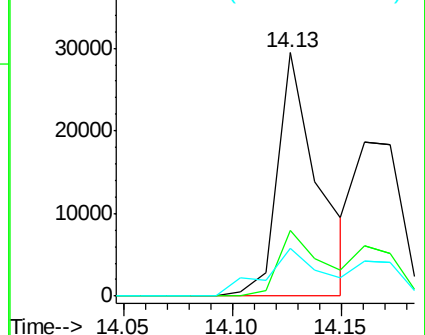
229 19.4 16.2 24.2

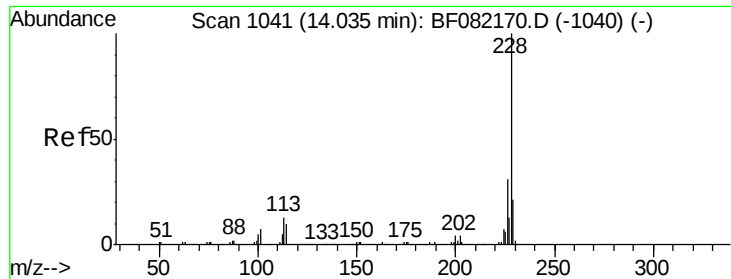


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.10 ng

RT: 14.16 min Scan# 1052

Delta R.T. 0.07 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

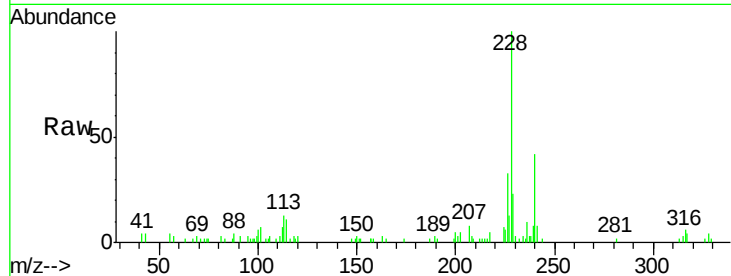
BNA_F

ClientSampleId :

LW-1

Tot Ion:228 Resp: 28728

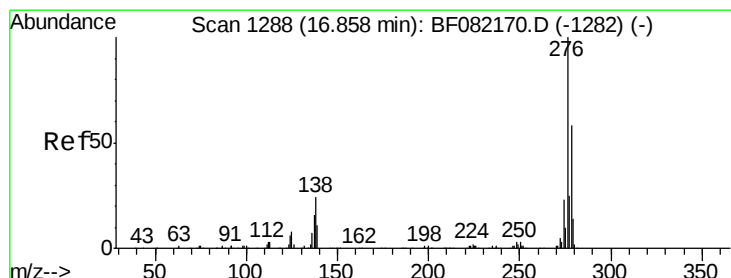
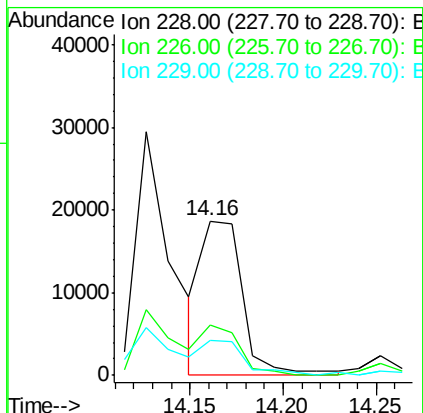
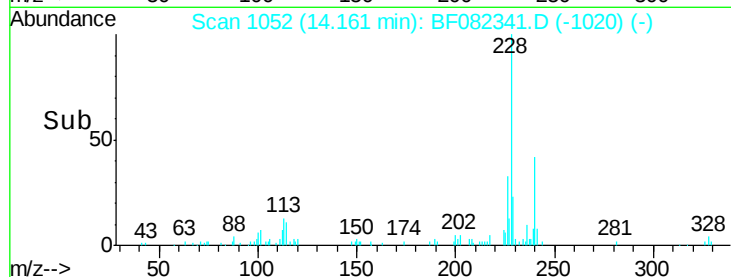
Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.4	36.6
229	22.8	16.3	24.5



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: 2.11 ng

RT: 17.18 min Scan# 1316

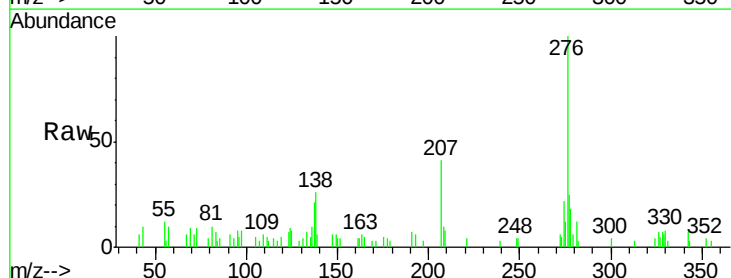
Delta R.T. 0.15 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Tgt Ion:276 Resp: 22911

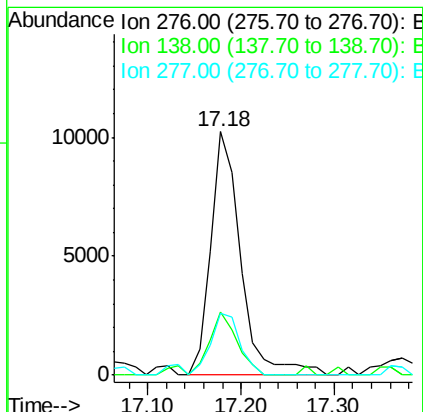
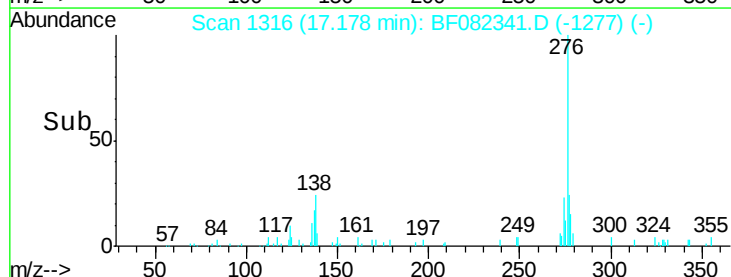
Ion	Ratio	Lower	Upper
276	100		
138	25.5	19.7	29.5
277	27.4	20.1	30.1

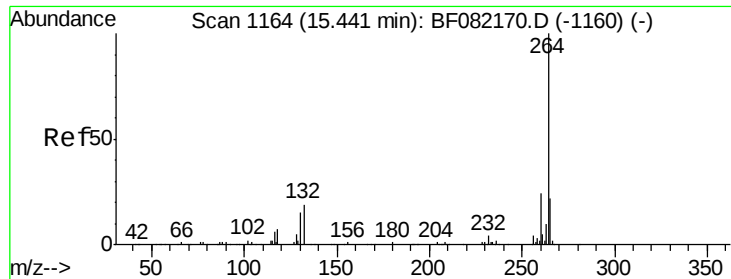


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

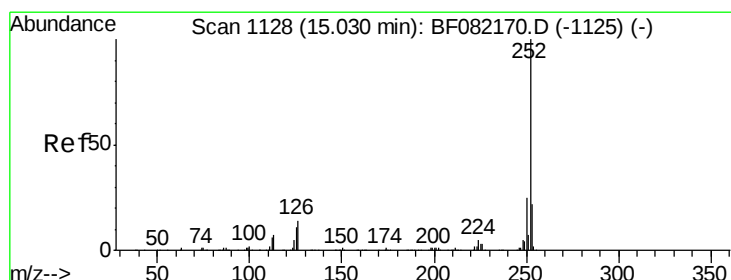
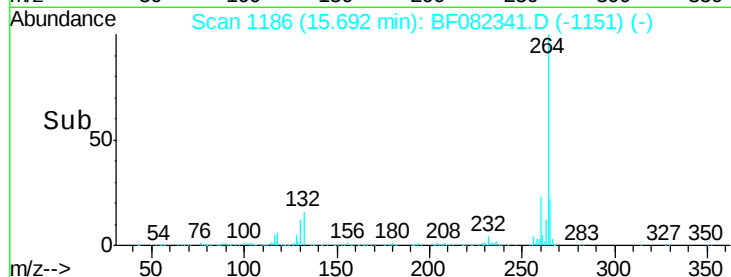
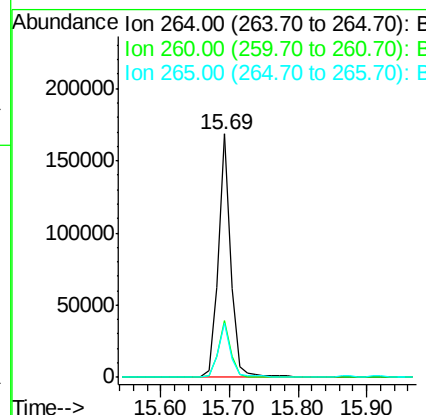
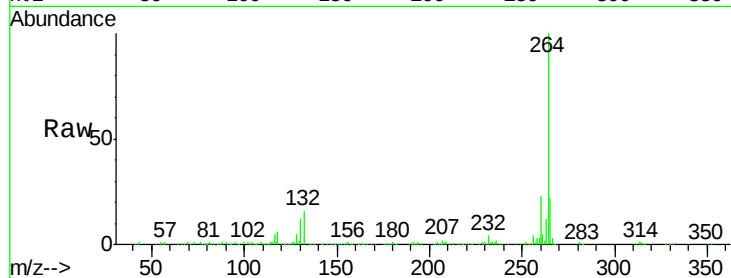




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1186
Delta R.T. 0.10 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

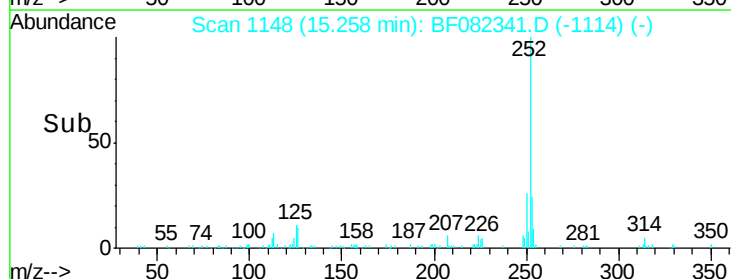
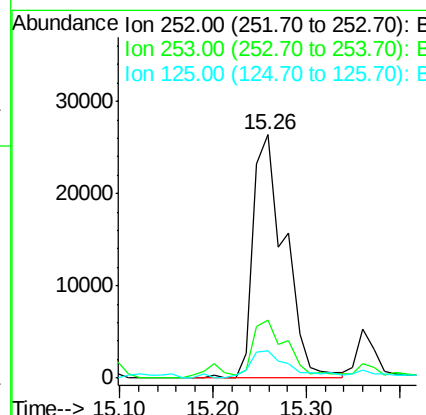
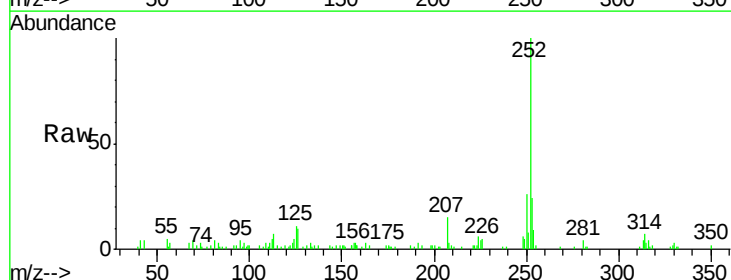
Instrument :
BNA_F
ClientSampleId :
LW-1

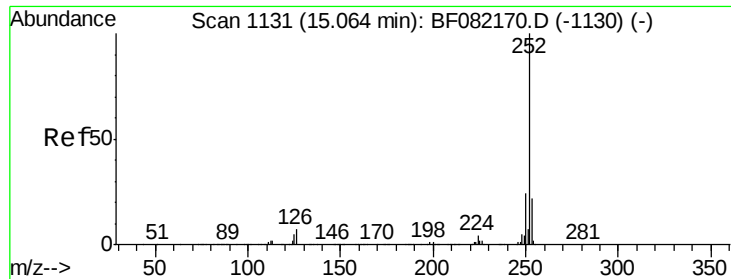
Tot Ion:264 Resp: 216610
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 22.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.71 ng
RT: 15.26 min Scan# 1148
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:252 Resp: 62112
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 11.2 8.6 12.8

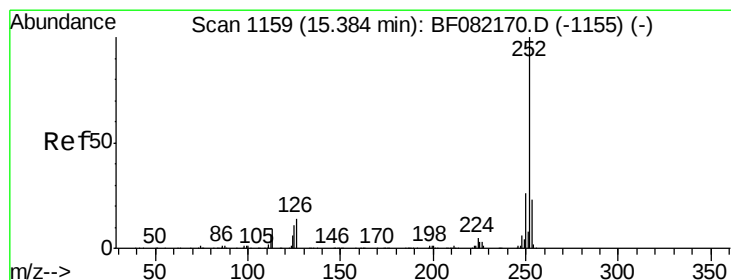
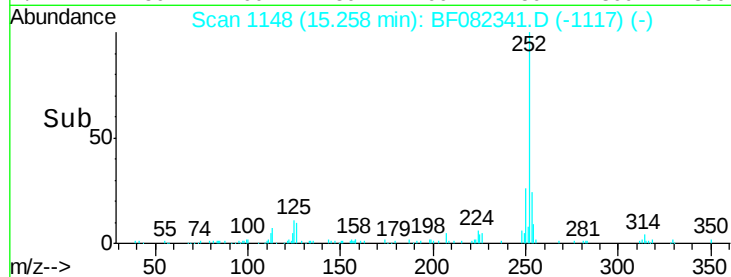
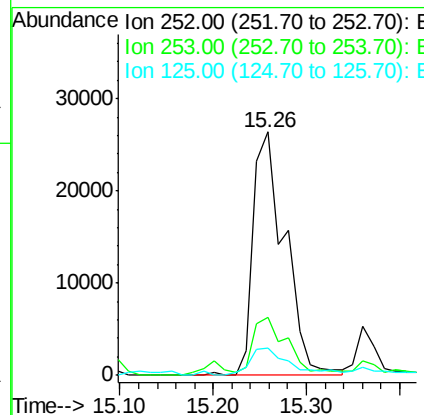
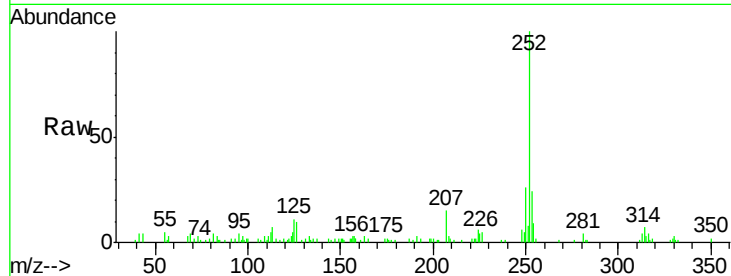




#88
Benzo(k)fluoranthene
Concen: 5.61 ng
RT: 15.26 min Scan# 1148
Delta R.T. 0.06 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

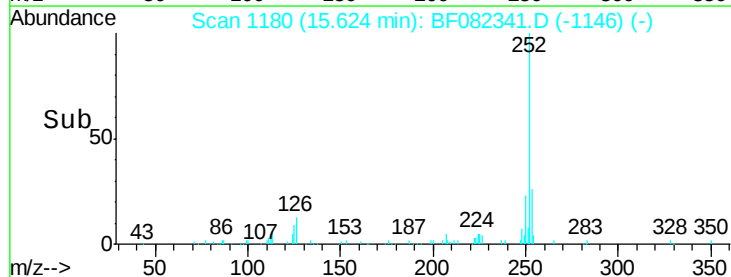
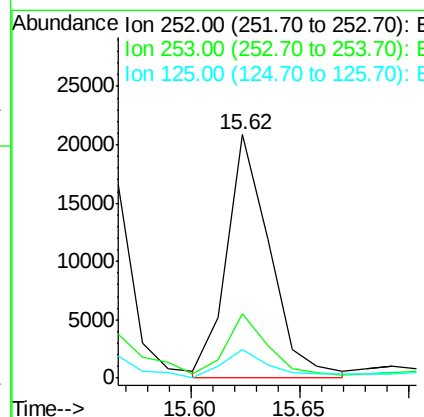
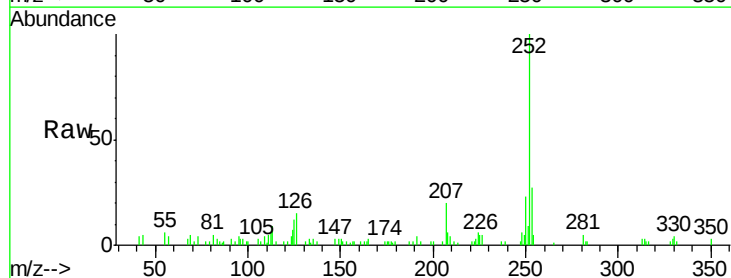
Instrument :
BNA_F
ClientSampleId :
LW-1

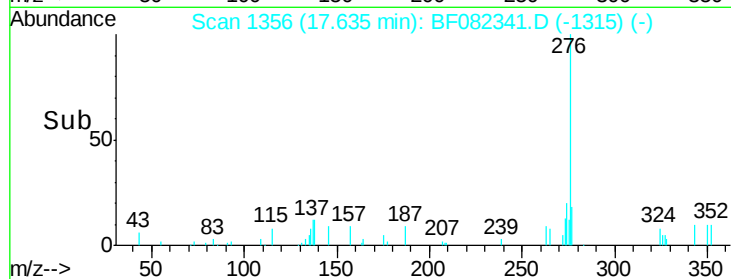
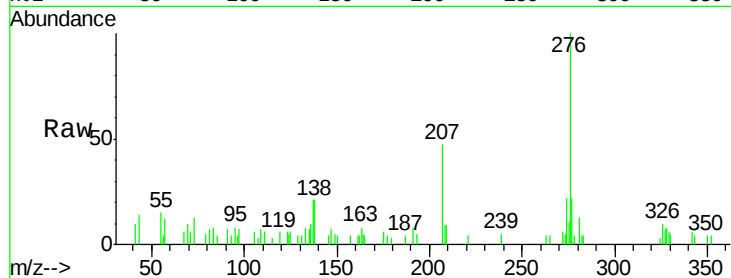
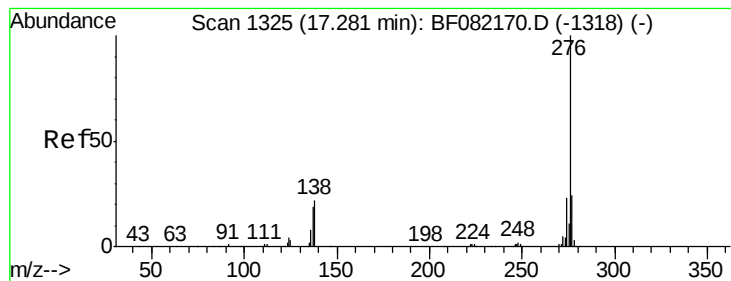
Tot Ion:252 Resp: 62112
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 11.2 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 2.55 ng
RT: 15.62 min Scan# 1180
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:252 Resp: 28864
Ion Ratio Lower Upper
252 100
253 26.6 18.2 27.2
125 12.0 8.9 13.3





#91

Benzo(a,h,i)perylene

Concen: 2.25 ng

RT: 17.64 min Scan# 1356

Delta R.T. 0.17 min

Lab File: BF082341.D

Acq: 16 Oct 2015 22:36

Instrument :

BNA_F

ClientSampleId :

LW-1

Tot Ion: 276 Resp: 20304

Ion Ratio Lower Upper

276 100

277 21.6 18.8 28.2

138 21.3 17.4 26.2

