

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
 Data File : BF082276.D
 Acq On : 14 Oct 2015 13:35
 Operator : UM/IZ
 Sample : G3997-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

Quant Time: Oct 15 01:44:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 01:42:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	50710	20.00	ng	0.15
21) Naphthalene-d8	8.11	136	294953	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	153477	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	301131	20.00	ng	0.00
75) Chrysene-d12	14.10	240	289266	20.00	ng	-0.02
86) Perylene-d12	15.69	264	227323	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	89946	35.80	ng	0.00
7) Phenol-d6	6.45	99	120697	36.91	ng	-0.02
23) Nitrobenzene-d5	7.39	82	74850	17.04	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	33665	23.39	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	172005	18.59	ng	-0.01
78) Terphenyl-d14	12.97	244	186841	17.12	ng	-0.01

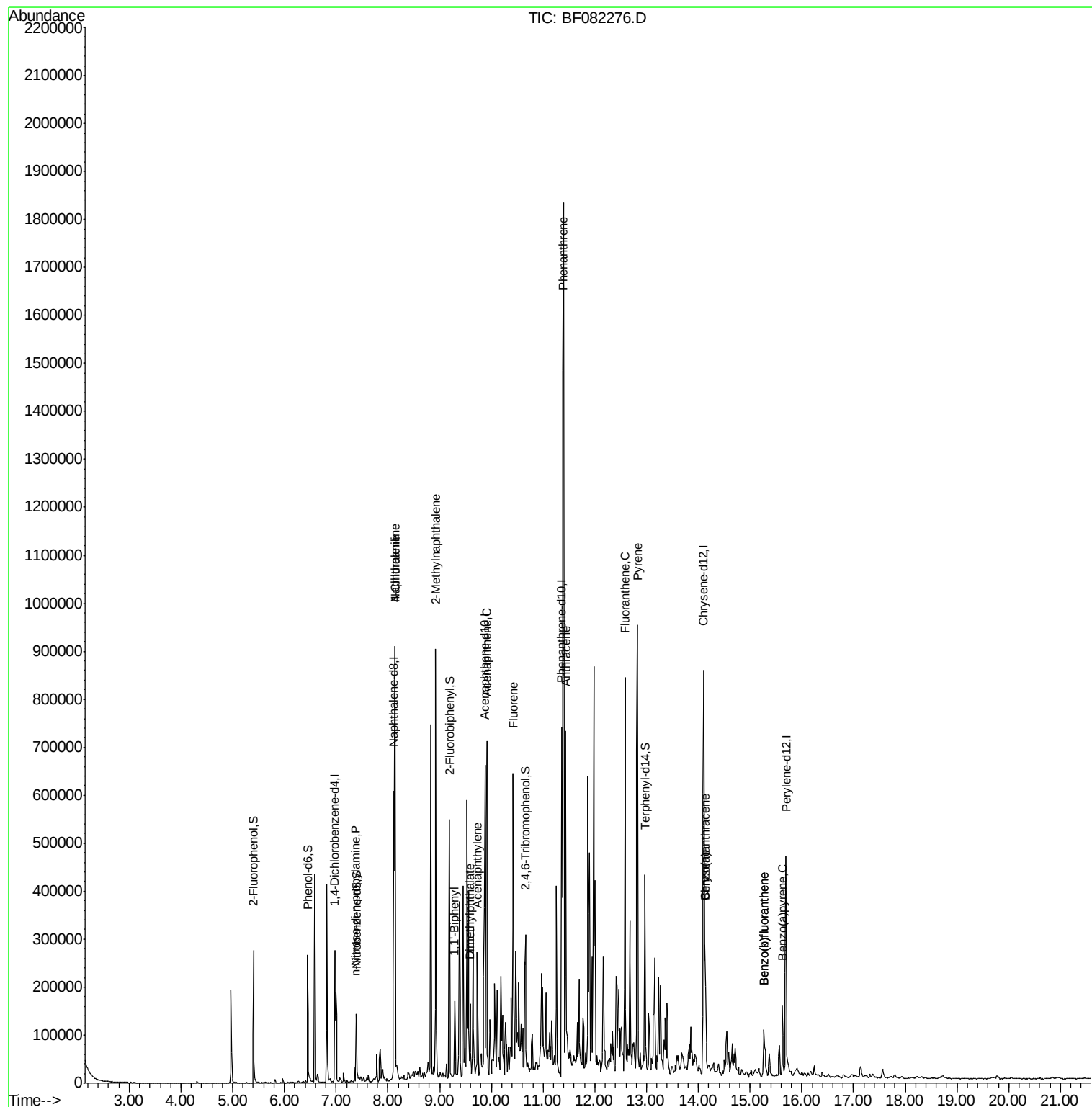
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	9051	3.94	ng	# 74
31) Naphthalene	8.14	128	469737	36.74	ng	99
33) 4-Chloroaniline	8.14	127	60440	11.38	ng	# 33
37) 2-Methylnaphthalene	8.93	142	229431	25.88	ng	94
45) 1,1'-Biphenyl	9.29	154	54445	4.65	ng	96
48) Acenaphthylene	9.73	152	69091	4.81	ng	# 91
49) Dimethylphthalate	9.59	163	42595	3.94	ng	98
51) Acenaphthene	9.91	154	201773	23.42	ng	100
57) Fluorene	10.42	166	250065	25.74	ng	96
70) Phenanthrene	11.39	178	1038336	70.35	ng	100
71) Anthracene	11.44	178	347235	22.83	ng	99
74) Fluoranthene	12.58	202	331407	20.90	ng	100
77) Pvrene	12.82	202	528505	30.79	ng	98
80) Benzo(a)anthracene	14.13	228	126970	8.44	ng	96
82) Chrysene	14.13	228	129970	8.20	ng	98
87) Benzo(b)fluoranthene	15.27	252	91611	6.62	ng	98
88) Benzo(k)fluoranthene	15.27	252	91611	7.88	ng	# 96
89) Benzo(a)pyrene	15.62	252	81794	6.88	ng	99

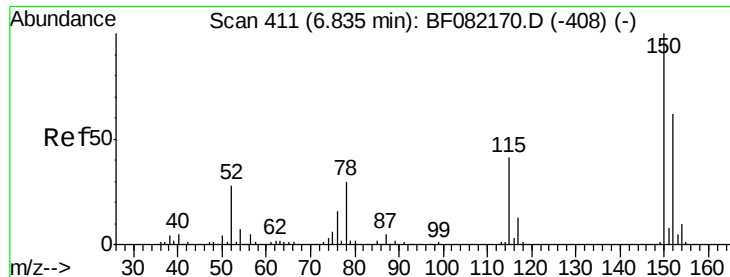
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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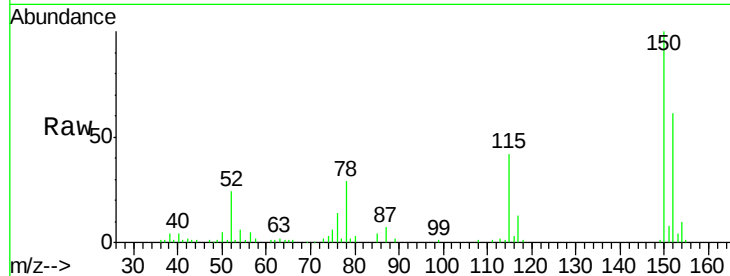


#1

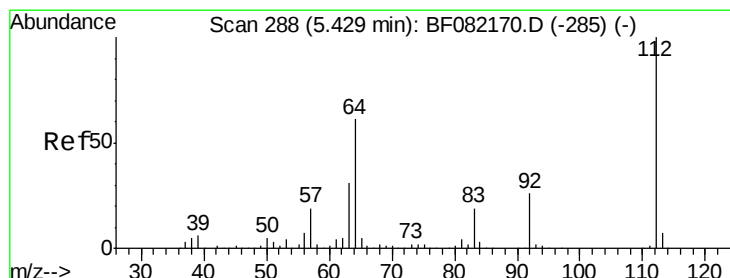
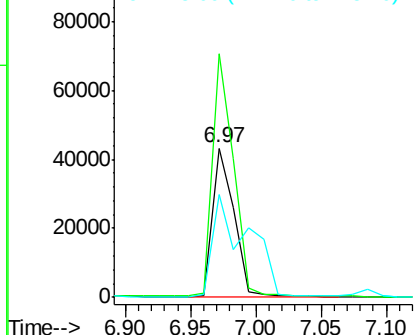
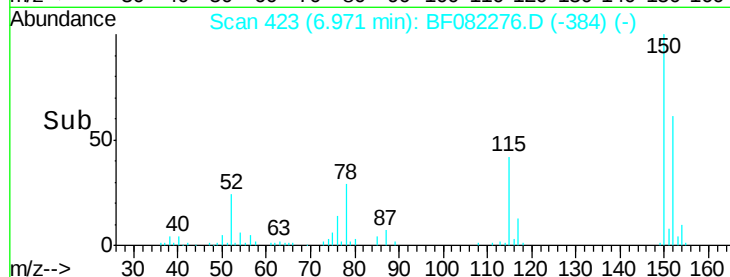
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 423
 Delta R.T. 0.15 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

Tot Ion:152 Resp: 50710
 Ion Ratio Lower Upper
 152 100
 150 163.4 129.0 193.4
 115 68.8 52.1 78.1



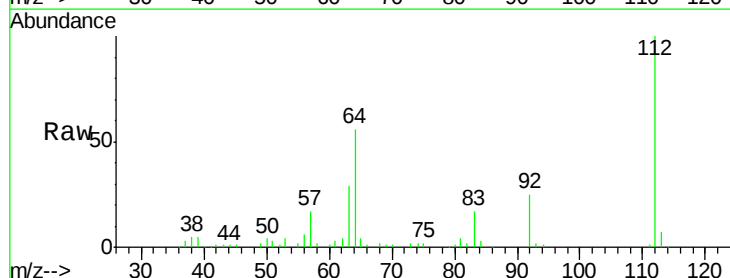
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



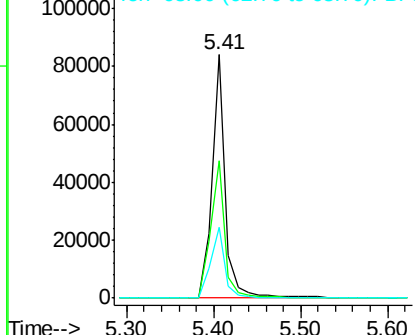
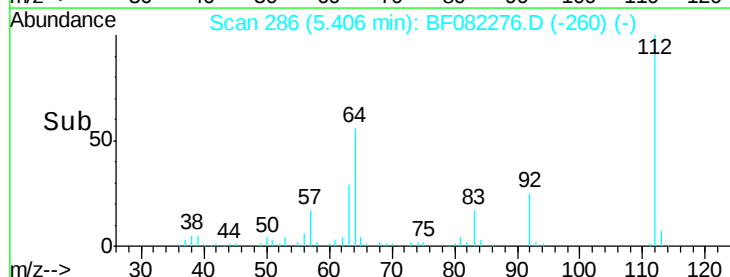
#5

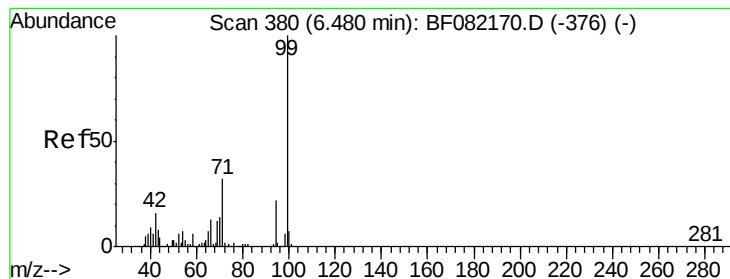
2-Fluorophenol
 Concen: 35.80 ng
 RT: 5.41 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Tgt Ion:112 Resp: 89946
 Ion Ratio Lower Upper
 112 100
 64 56.4 48.6 73.0
 63 29.2 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: 36.91 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

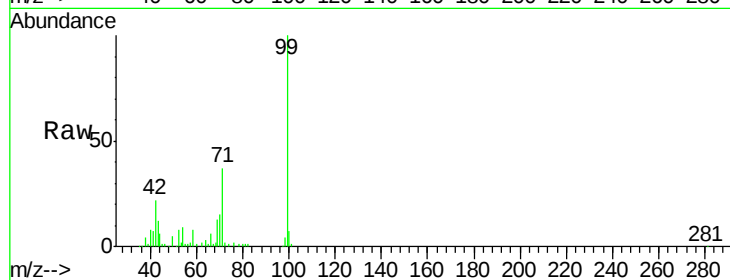
Tot Ion: 99 Resp: 120697

Ion Ratio Lower Upper

99 100

42 22.2 13.2 19.8#

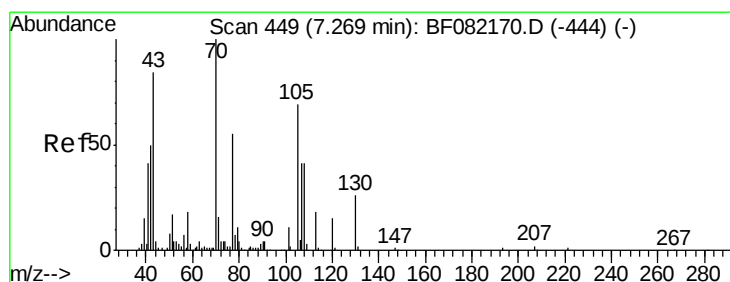
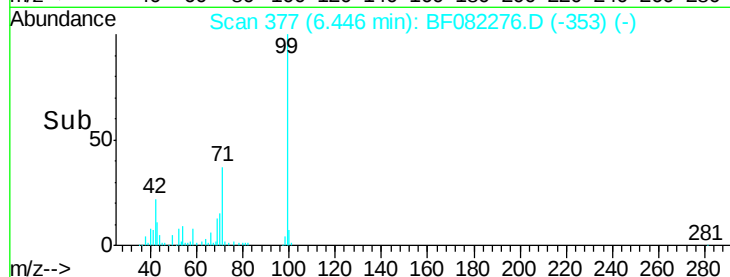
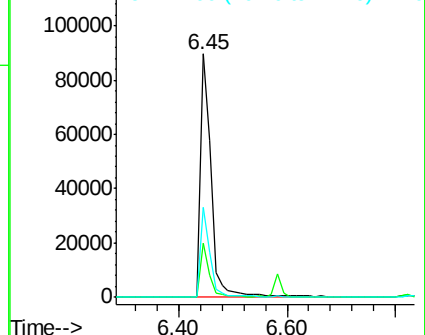
71 37.2 25.6 38.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.94 ng

RT: 7.38 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion: 70 Resp: 9051

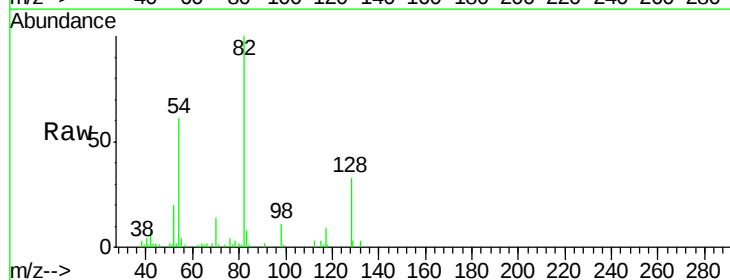
Ion Ratio Lower Upper

70 100

42 58.2 39.8 59.8

101 0.0 8.6 13.0#

130 0.0 20.5 30.7#

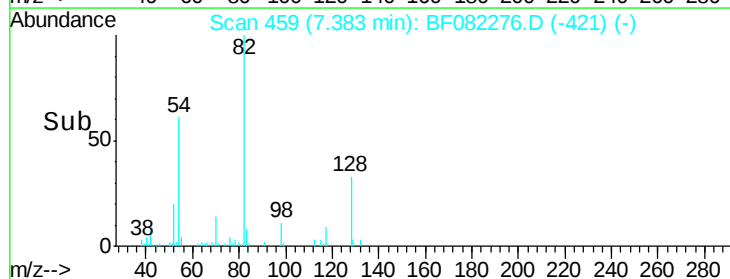
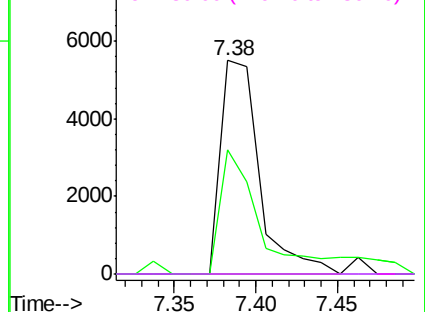


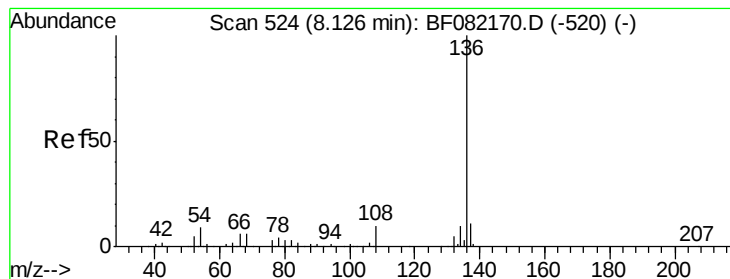
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

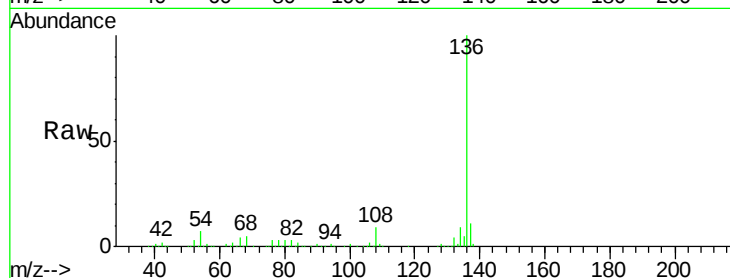
Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

Tot Ion:136	Resp:	294953
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	7.1	7.5 11.3#
68	4.6	4.6 7.0#

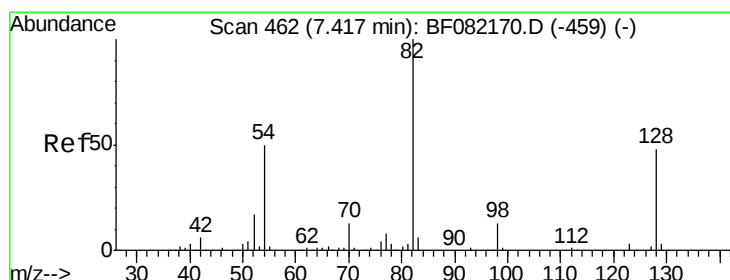
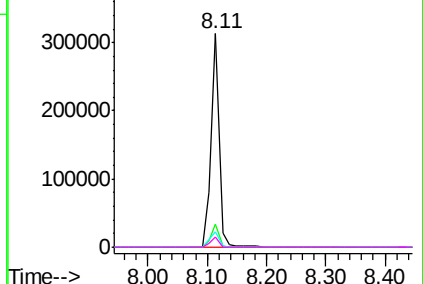
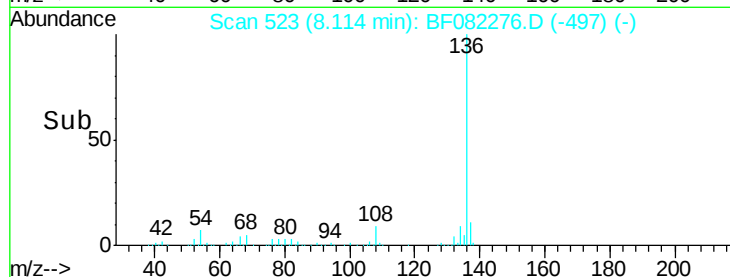


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.04 ng

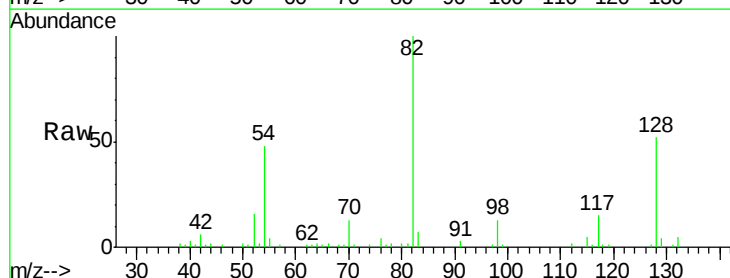
RT: 7.39 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

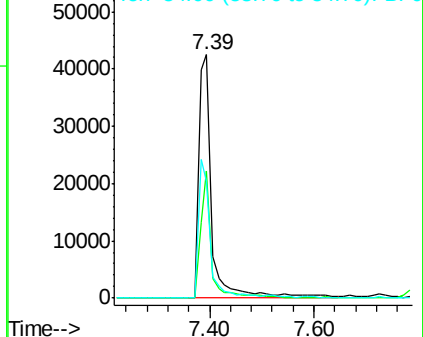
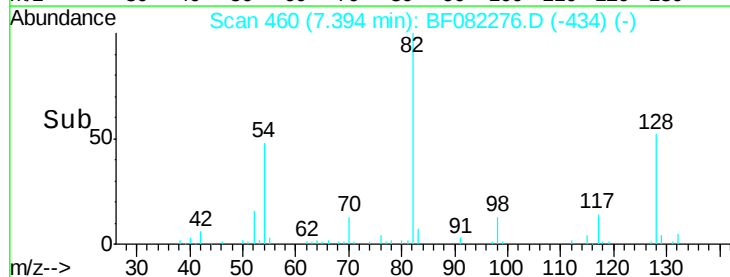
Tgt Ion: 82	Resp:	74850
Ion Ratio	Lower	Upper
82	100	
128	52.3	38.7 58.1
54	48.2	40.1 60.1

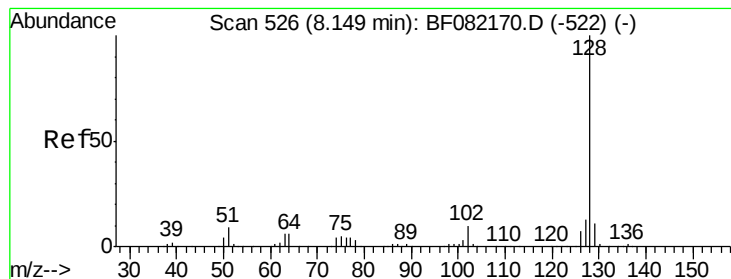


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 36.74 ng

RT: 8.14 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

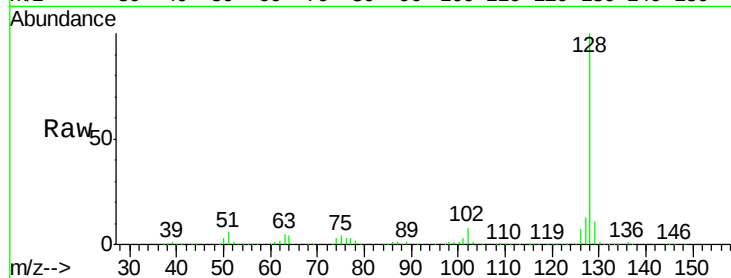
Tot Ion:128 Resp: 469737

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

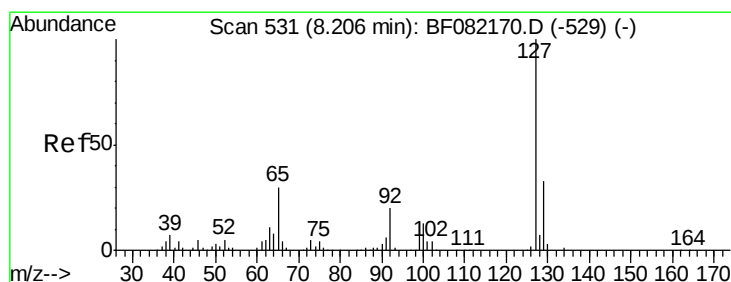
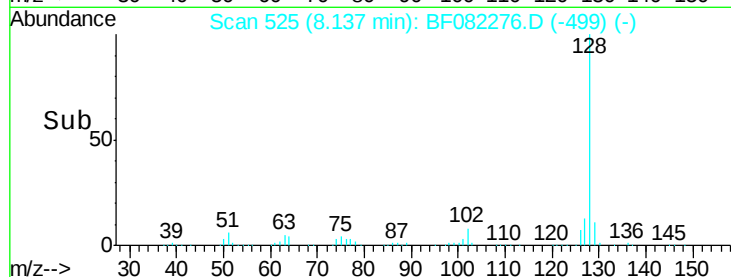
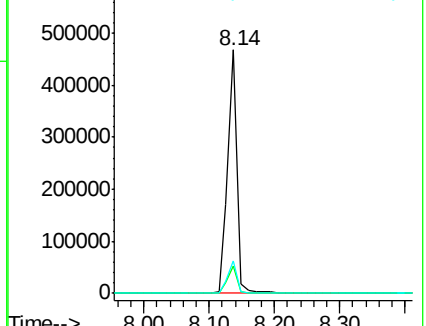
127 13.1 10.7 16.1



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



#33

4-Chloroaniline

Concen: 11.38 ng

RT: 8.14 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion:127 Resp: 60440

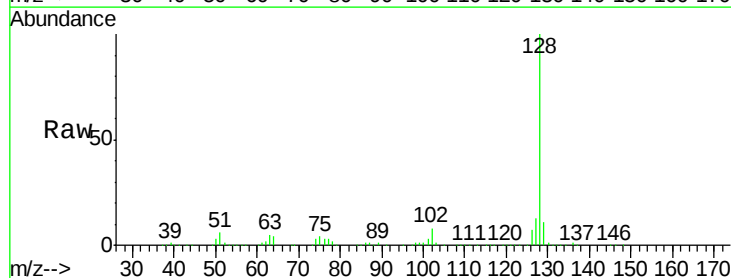
Ion Ratio Lower Upper

127 100

129 85.3 26.3 39.5#

65 0.0 24.4 36.6#

92 0.0 15.7 23.5#

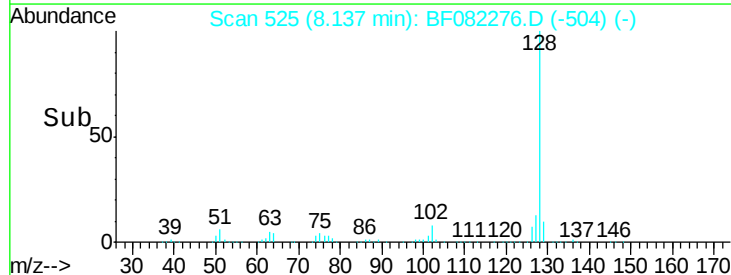
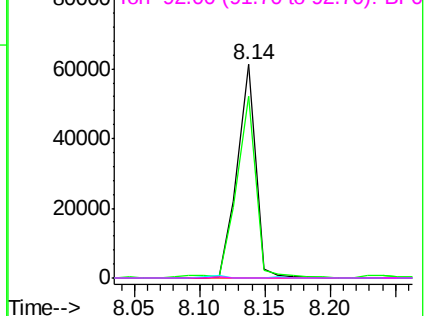


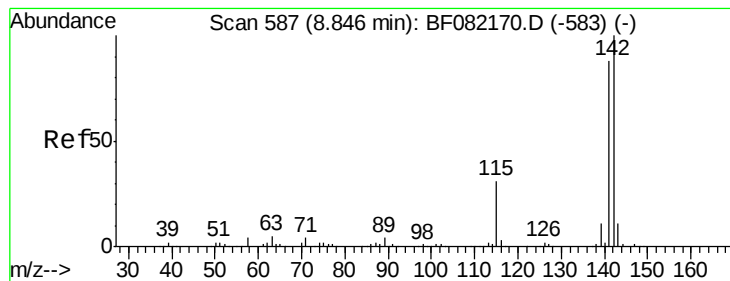
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

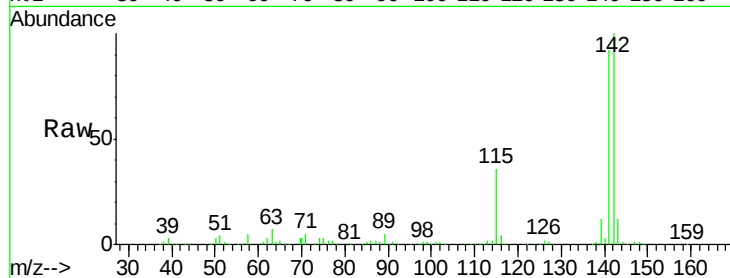




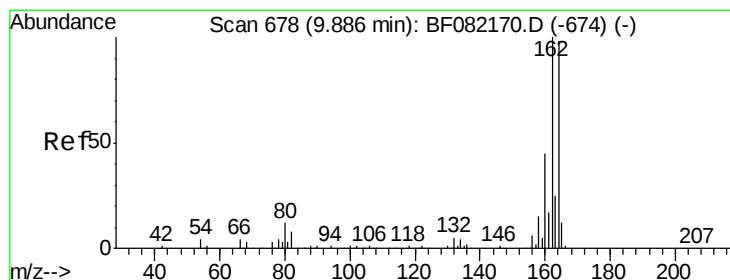
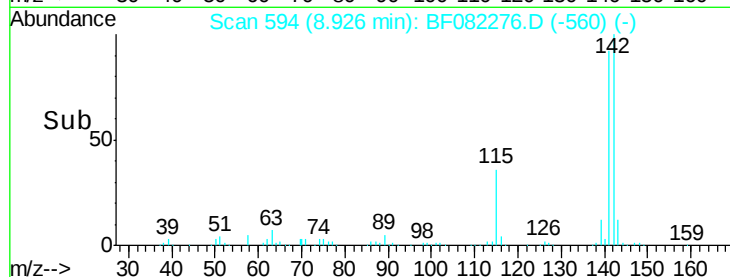
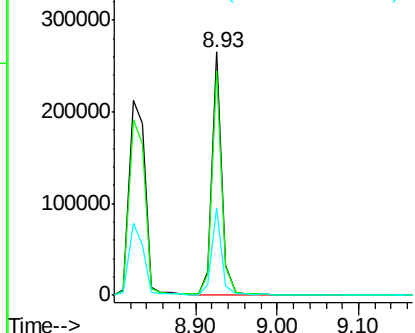
#37
2-Methylnaphthalene
Concen: 25.88 ng
RT: 8.93 min Scan# 594
Delta R.T. 0.09 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion:142 Resp: 229431
Ion Ratio Lower Upper
142 100
141 92.2 70.4 105.6
115 36.1 24.6 37.0

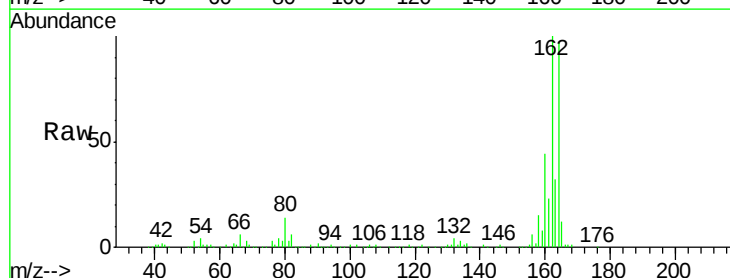


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

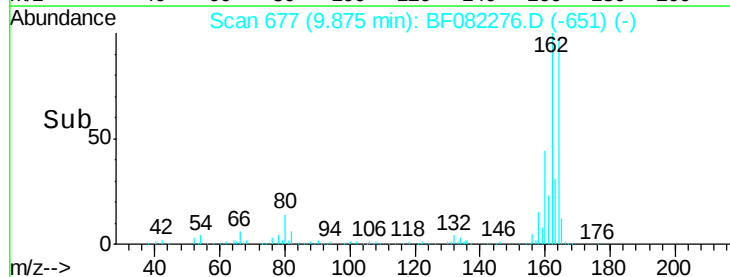
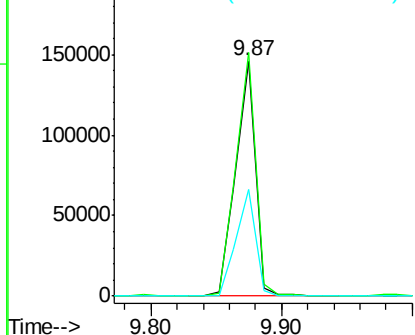


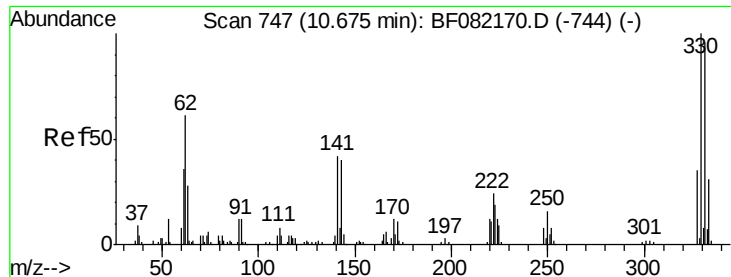
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion:164 Resp: 153477
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 45.3 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

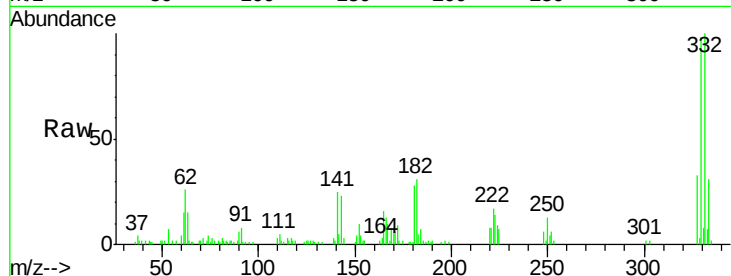




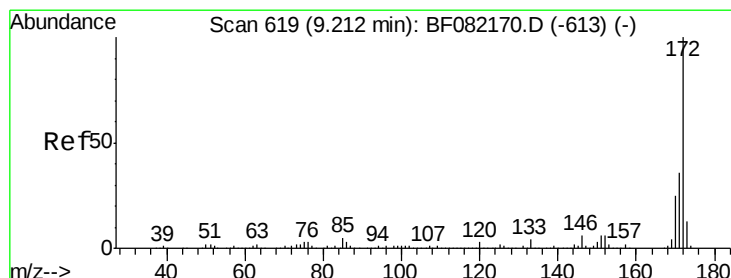
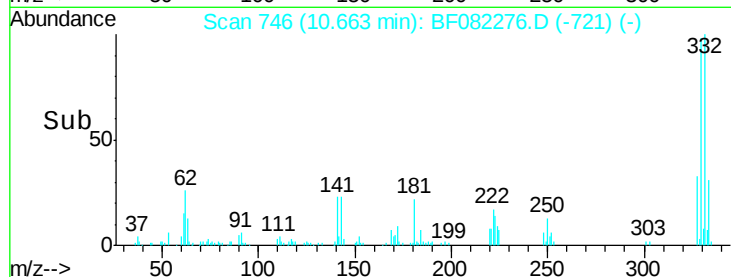
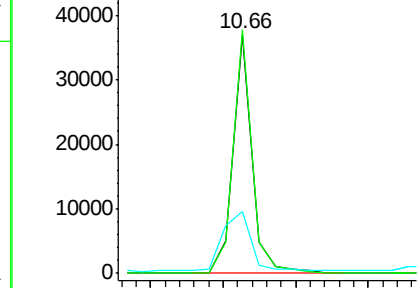
#41
 2,4,6-Tribromophenol
 Concen: 23.39 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.1	115.7
141	37.5	29.8	44.8

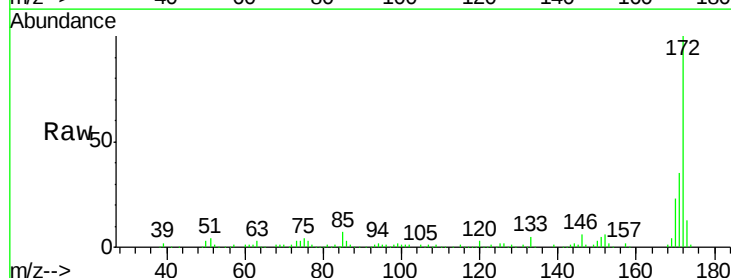


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

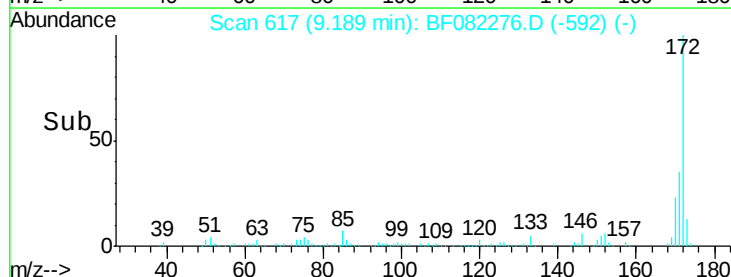
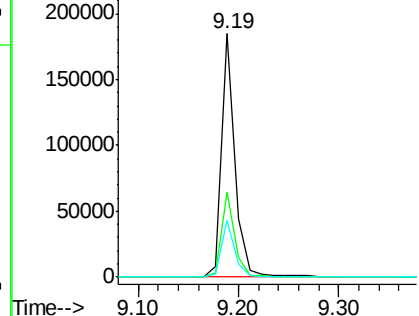


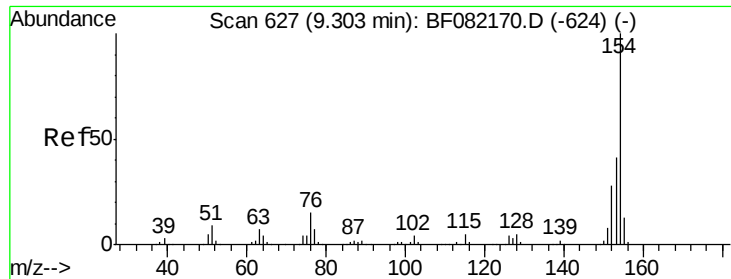
#44
 2-Fluorobiphenyl
 Concen: 18.59 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.2	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

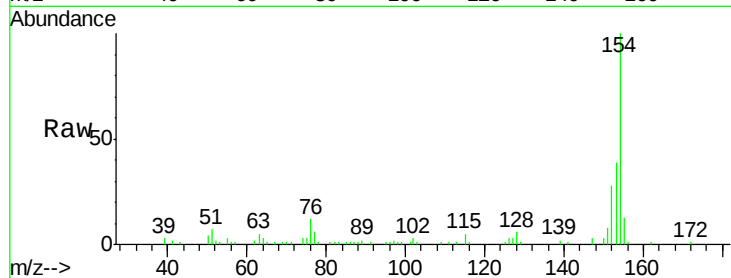




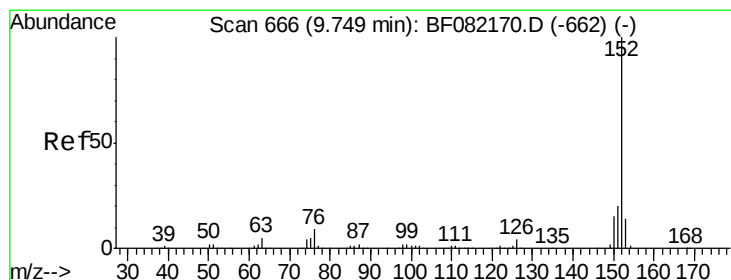
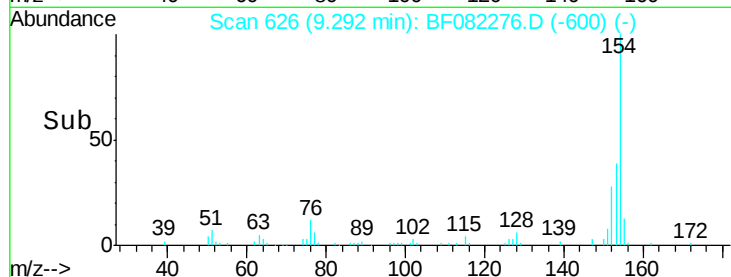
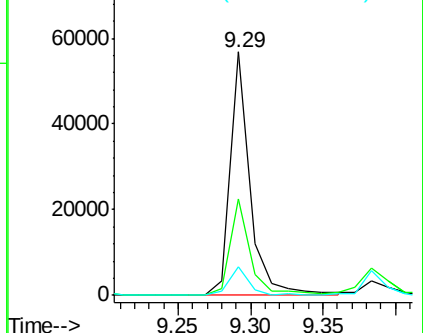
#45
1,1'-Biphenyl
Concen: 4.65 ng
RT: 9.29 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion:154 Resp: 54445
Ion Ratio Lower Upper
154 100
153 39.4 20.6 60.6
76 11.6 0.0 35.2

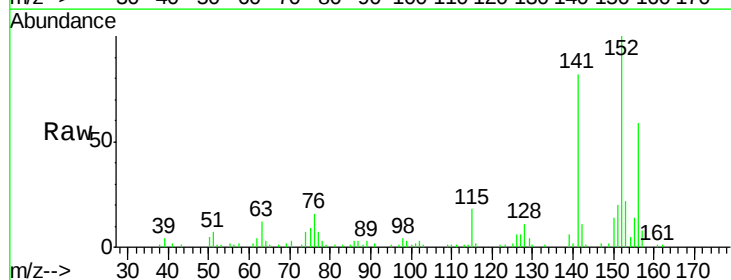


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

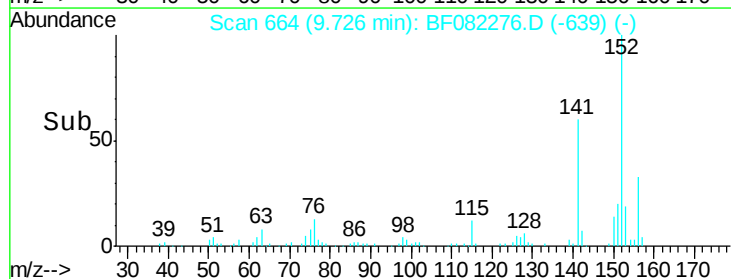
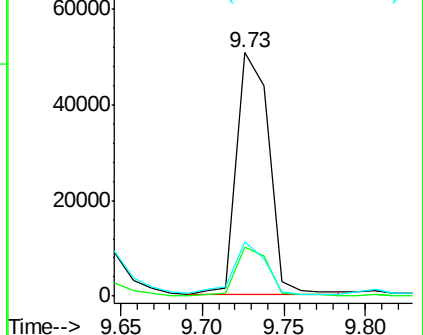


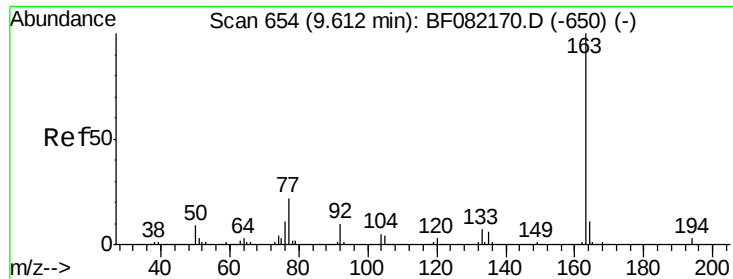
#48
Acenaphthylene
Concen: 4.81 ng
RT: 9.73 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion:152 Resp: 69091
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 22.1 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

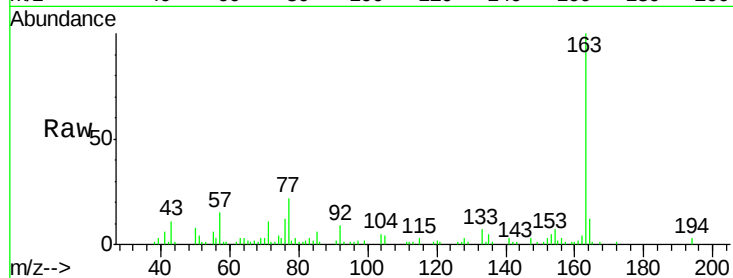




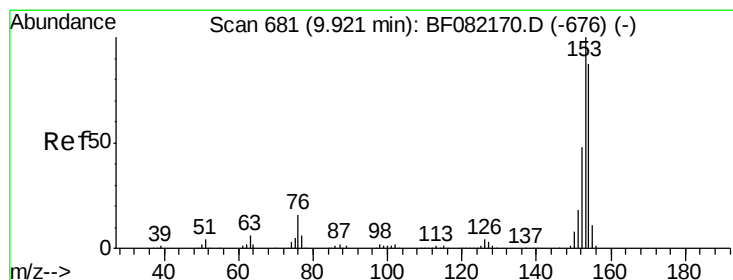
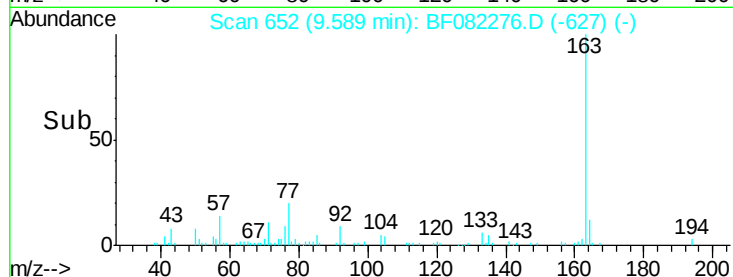
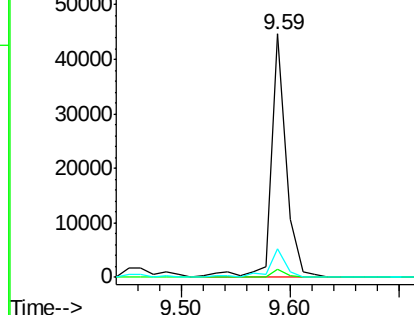
#49
Dimethylphthalate
Concen: 3.94 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion:163 Resp: 42595
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 11.6 8.5 12.7

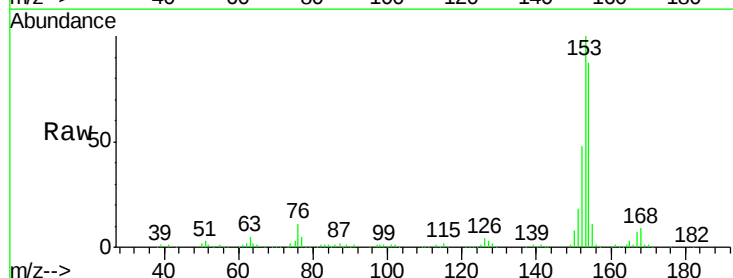


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

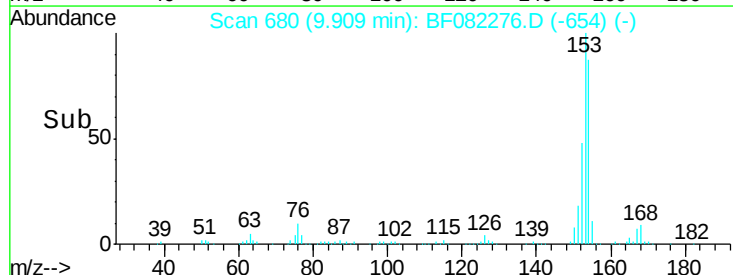
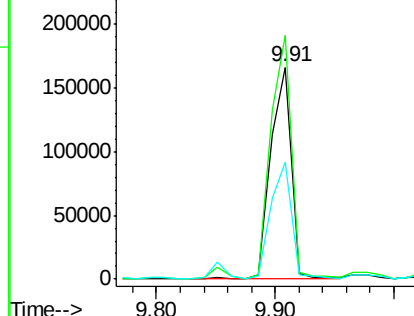


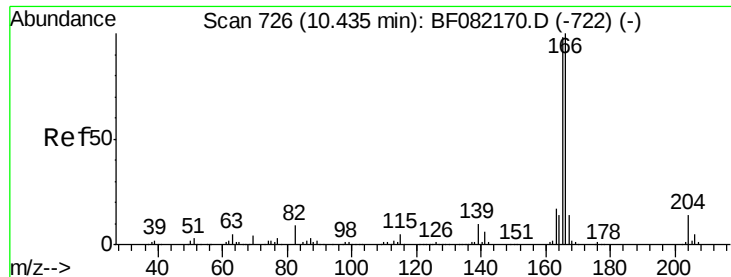
#51
Acenaphthene
Concen: 23.42 ng
RT: 9.91 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion:154 Resp: 201773
Ion Ratio Lower Upper
154 100
153 115.0 91.4 137.2
152 55.4 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

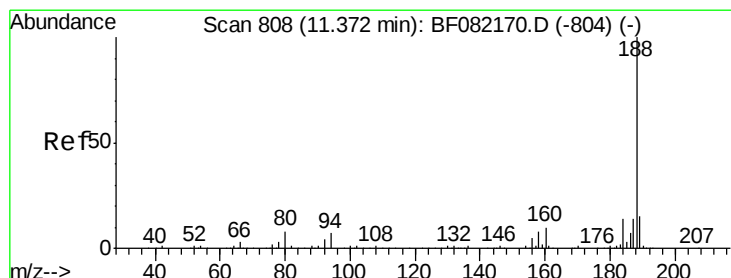
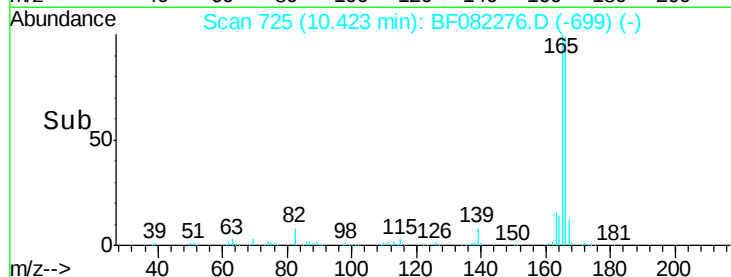
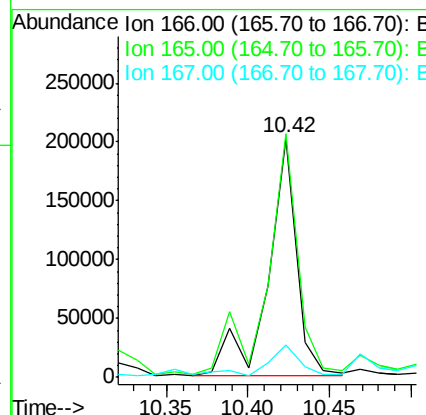
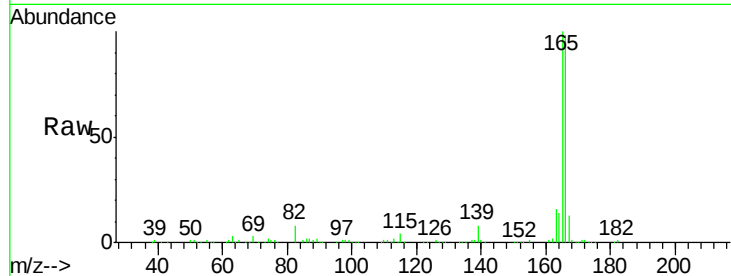




#57
Fluorene
 Concen: 25.74 ng
 RT: 10.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

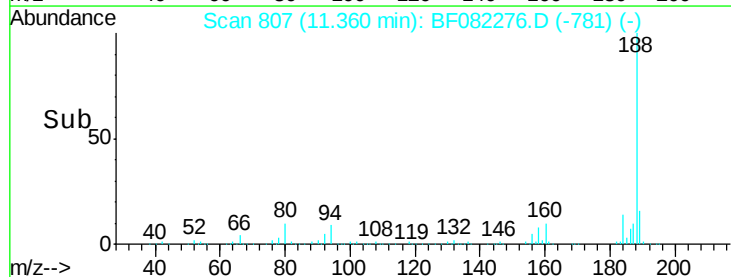
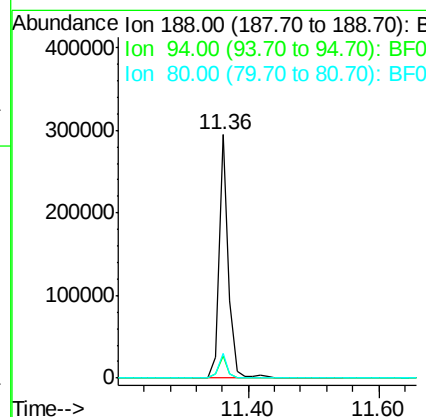
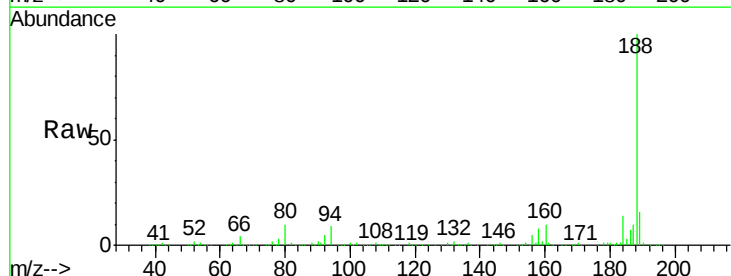
Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

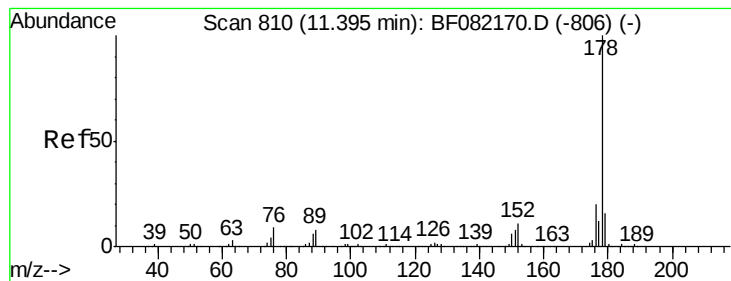
Tot Ion:166 Resp: 250065
 Ion Ratio Lower Upper
 166 100
 165 101.8 78.3 117.5
 167 13.6 10.8 16.2



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Tgt Ion:188 Resp: 301131
 Ion Ratio Lower Upper
 188 100
 94 9.0 5.8 8.6#
 80 10.3 6.4 9.6#





#70

Phenanthrene

Concen: 70.35 ng

RT: 11.39 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

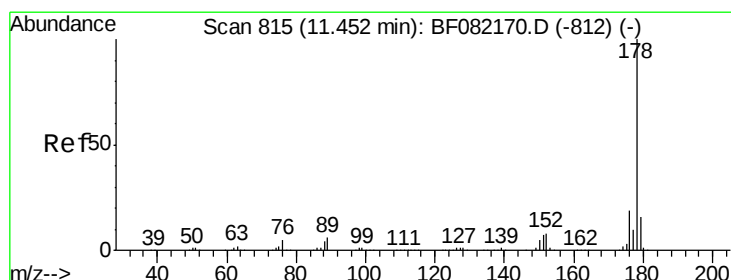
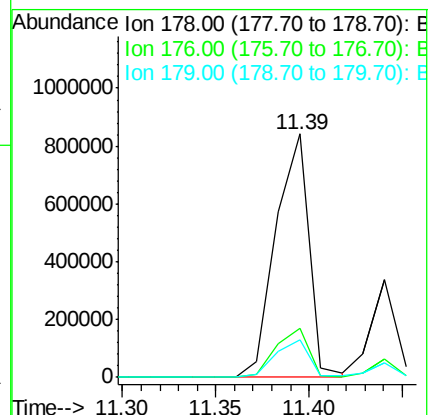
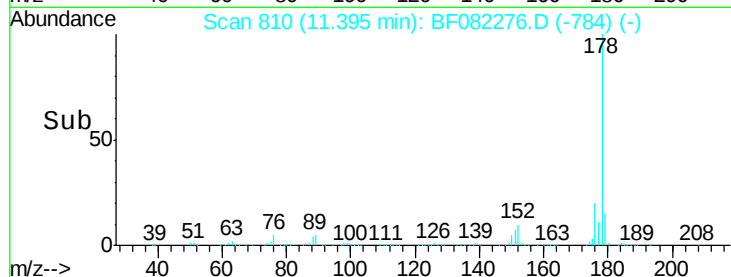
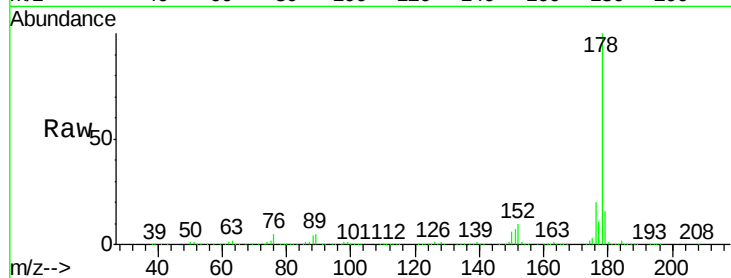
Tot Ion:178 Resp: 1038336

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

179 15.5 12.6 19.0



#71

Anthracene

Concen: 22.83 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

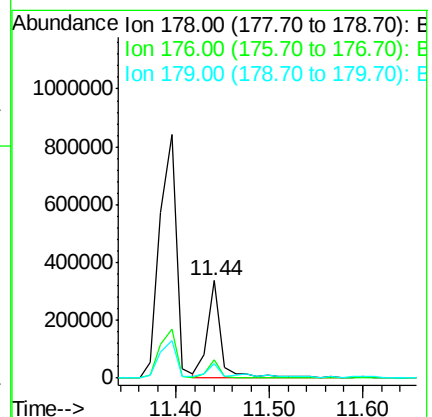
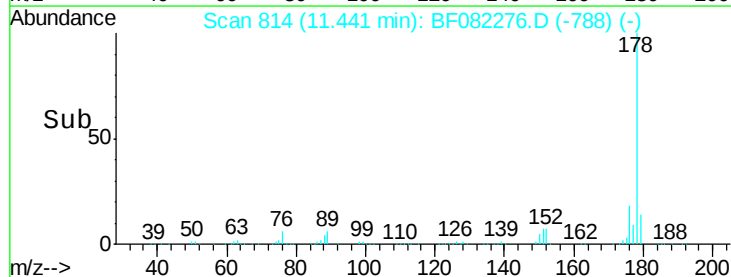
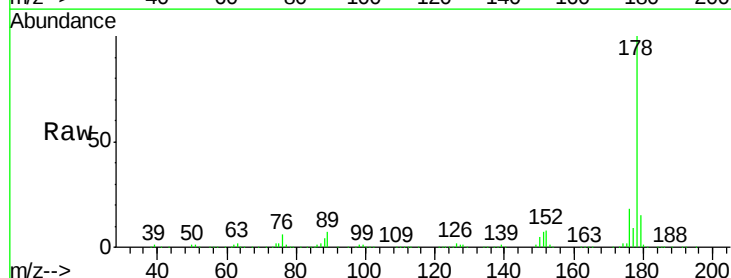
Tgt Ion:178 Resp: 347235

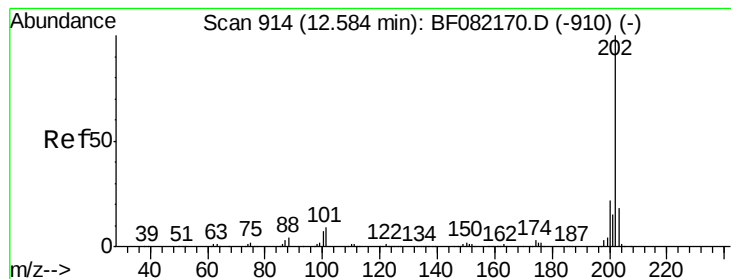
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 15.3 12.5 18.7





#74

Fluoranthene

Concen: 20.90 ng

RT: 12.58 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

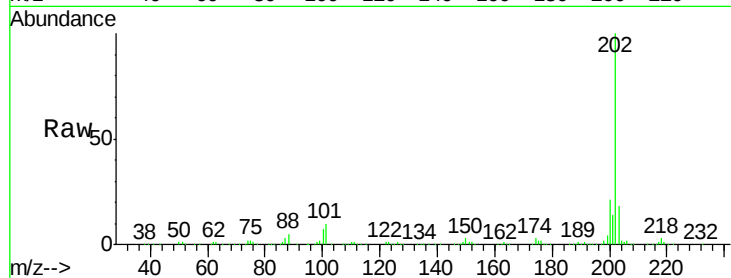
Tot Ion:202 Resp: 331407

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

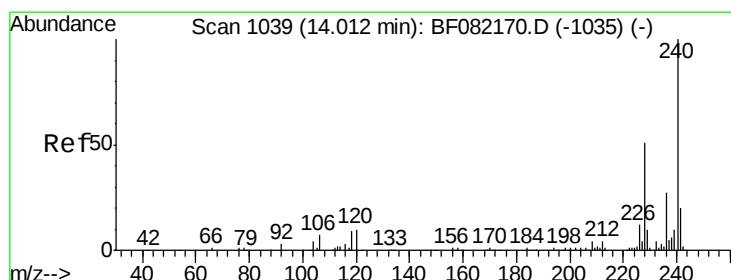
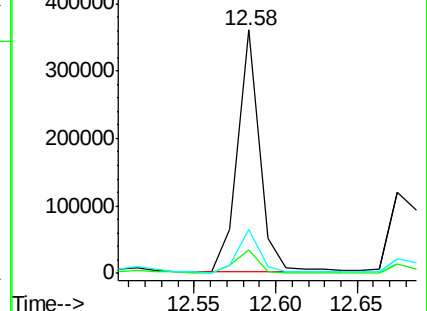
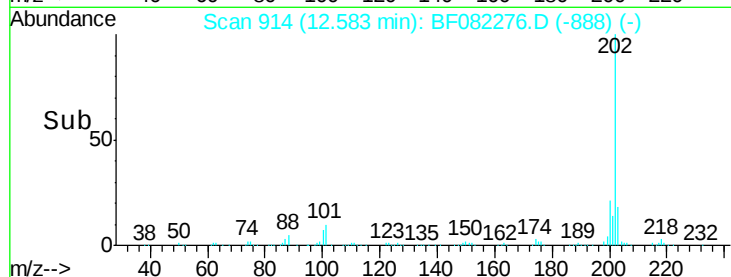
203 17.8 0.0 37.8



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: 14.10 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

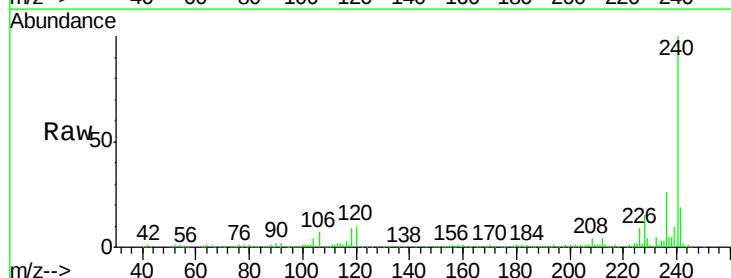
Tgt Ion:240 Resp: 289266

Ion Ratio Lower Upper

240 100

120 9.5 8.1 12.1

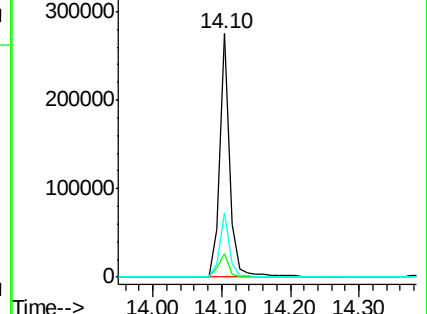
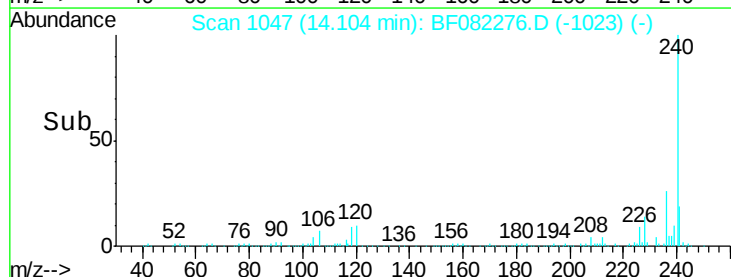
236 26.3 21.3 31.9

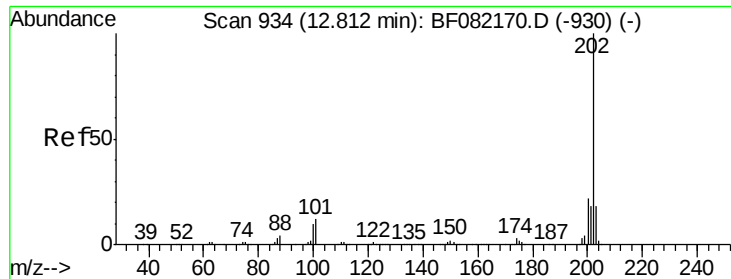


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 30.79 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

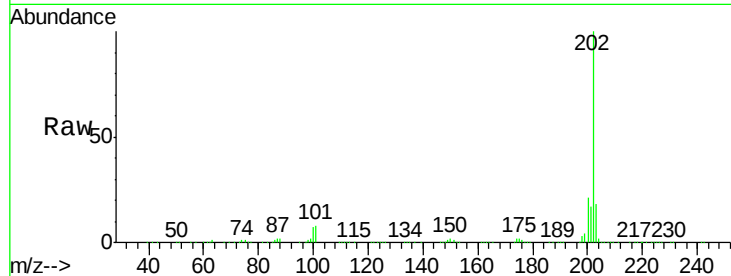
Tot Ion:202 Resp: 528505

Ion Ratio Lower Upper

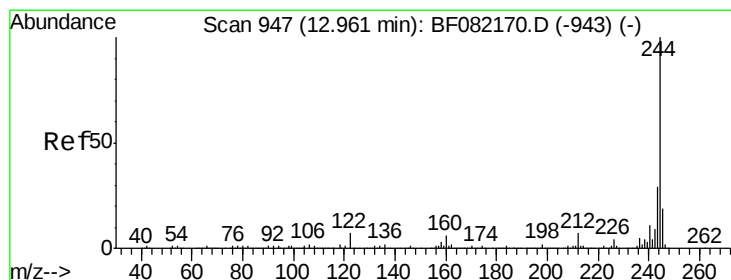
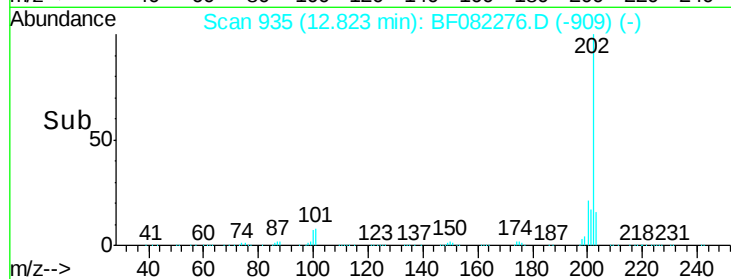
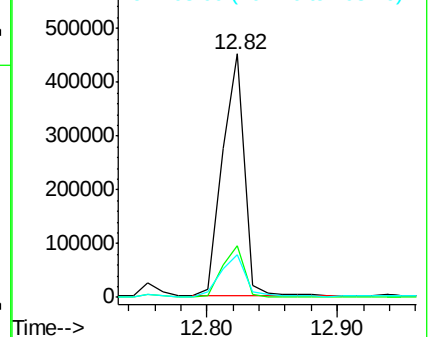
202 100

200 21.3 17.9 26.9

203 17.6 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: 17.12 ng

RT: 12.97 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

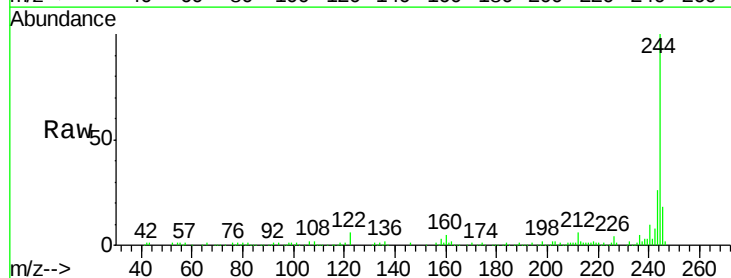
Tgt Ion:244 Resp: 186841

Ion Ratio Lower Upper

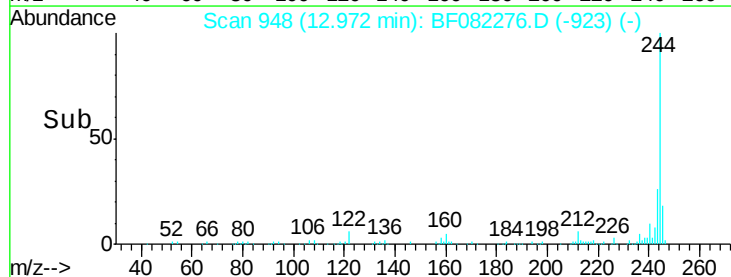
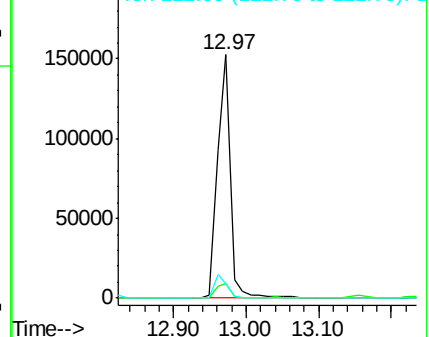
244 100

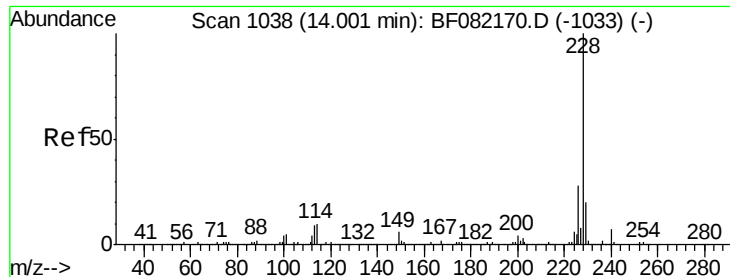
212 6.2 5.8 8.6

122 6.1 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: 8.44 ng

RT: 14.13 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

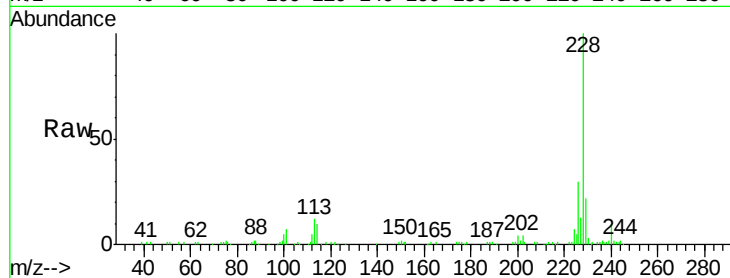
Tot Ion:228 Resp: 126970

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

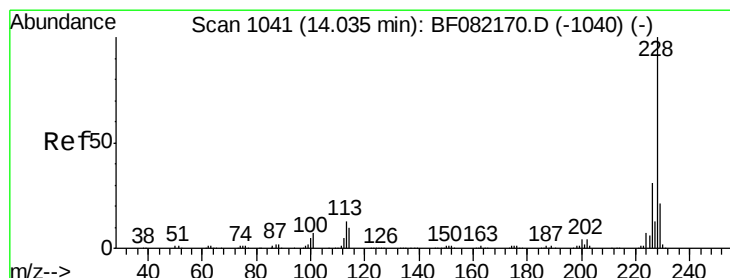
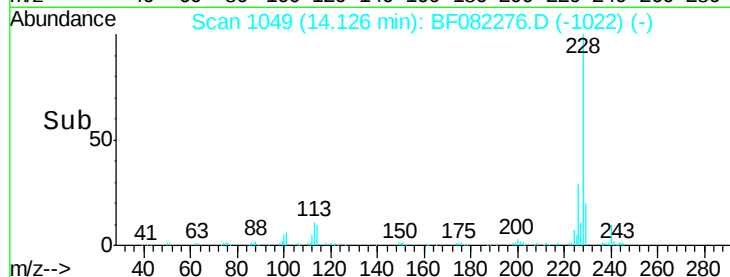
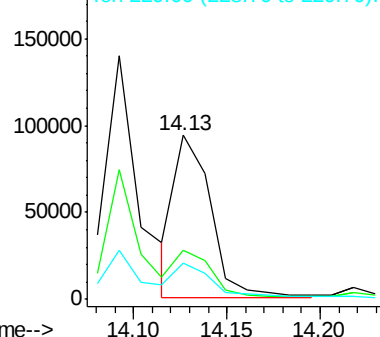
229 21.9 16.2 24.2



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: 8.20 ng

RT: 14.13 min Scan# 1049

Delta R.T. -0.03 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

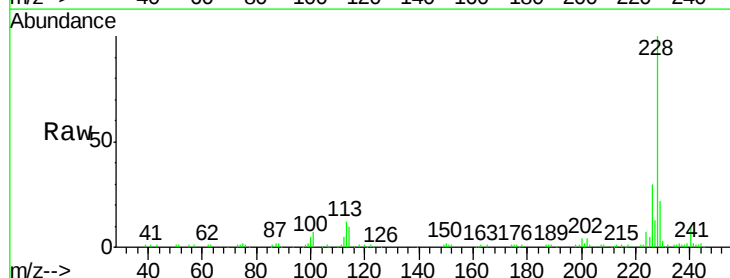
Tgt Ion:228 Resp: 129970

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

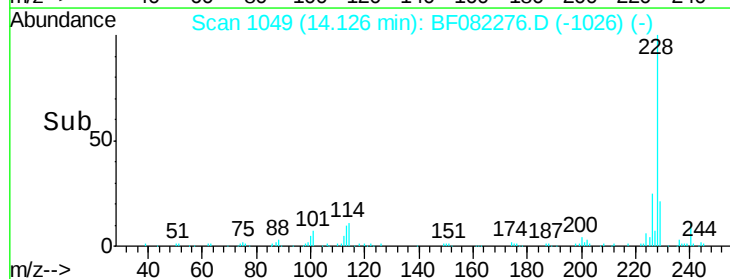
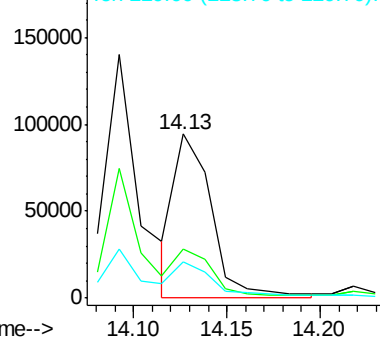
229 21.9 16.3 24.5

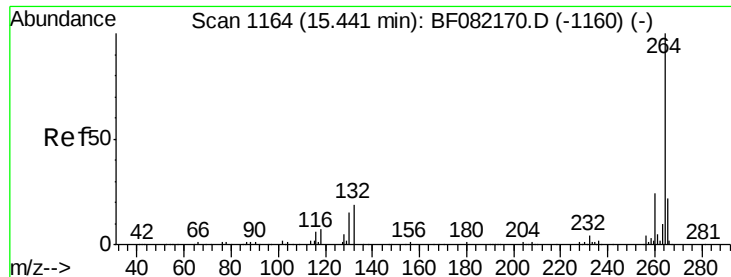


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

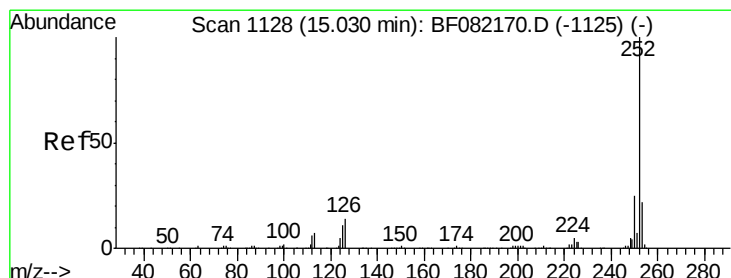
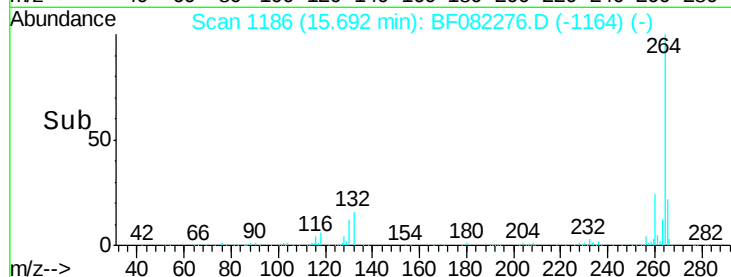
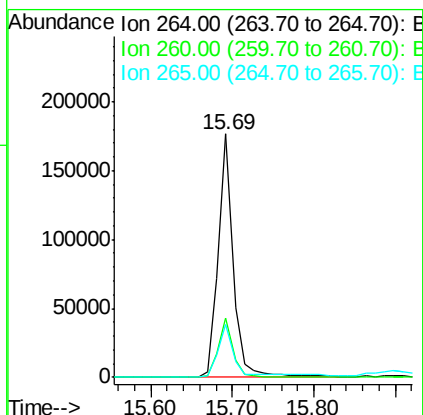
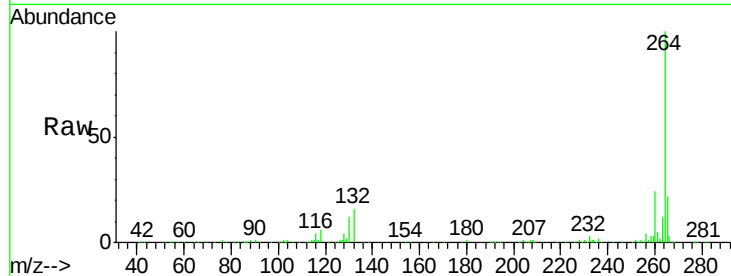




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1186
Delta R.T. -0.05 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

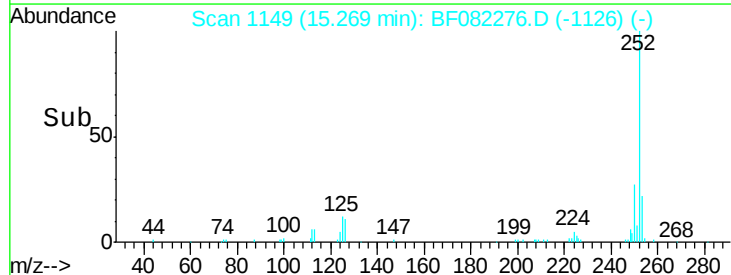
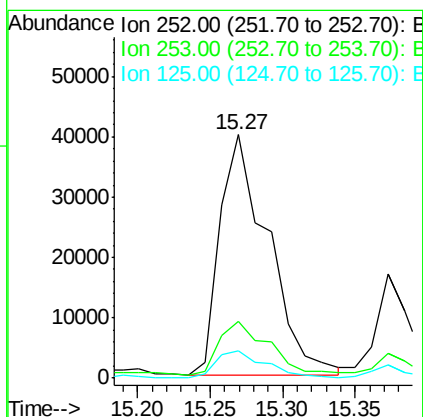
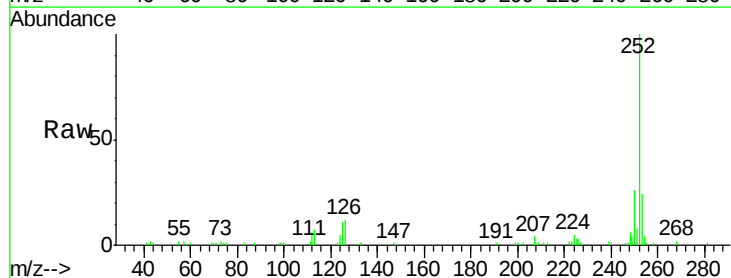
Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

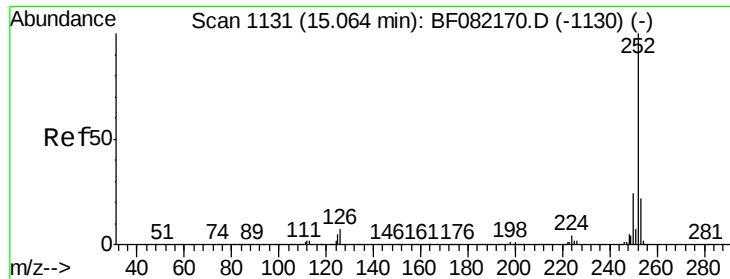
Tot Ion:264 Resp: 227323
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 21.8 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 6.62 ng
RT: 15.27 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion:252 Resp: 91611
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 11.4 8.6 12.8

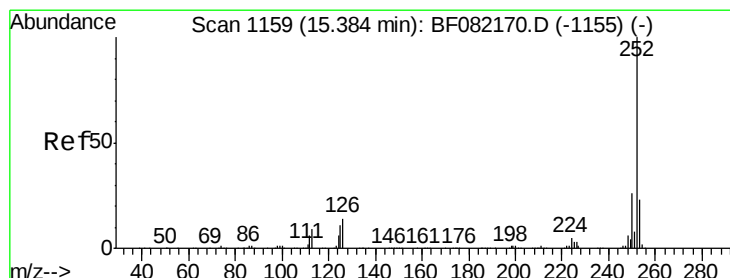
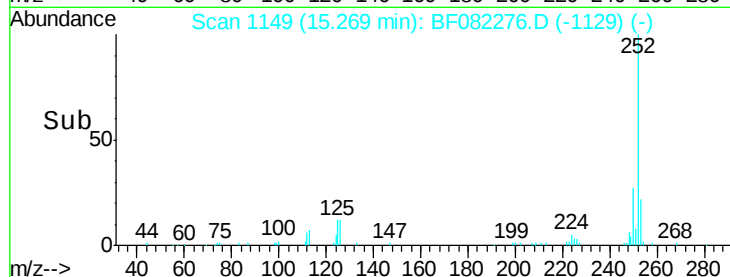
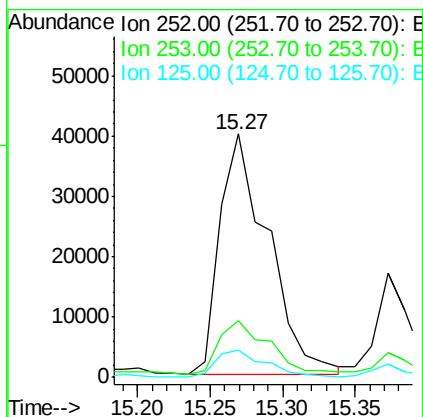
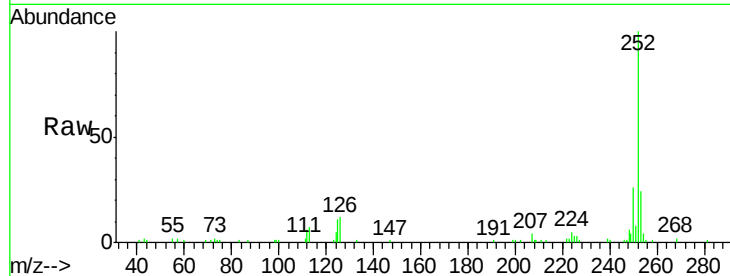




#88
Benzo(k)fluoranthene
Concen: 7.88 ng
RT: 15.27 min Scan# 1149
Delta R.T. -0.07 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion:252 Resp: 91611
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.4 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 6.88 ng
RT: 15.62 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion:252 Resp: 81794
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 10.8 8.9 13.3

