

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082312.D
 Acq On : 15 Oct 2015 16:36
 Operator : UM/IZ
 Sample : G4009-03
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KW-3

Quant Time: Oct 16 01:11:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	85969	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	341482	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	173448	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	298071	20.00	ng	0.01
75) Chrysene-d12	14.08	240	214049	20.00	ng	-0.01
86) Perylene-d12	15.65	264	210888	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	458489	107.64	ng	0.01
7) Phenol-d6	6.47	99	587485	105.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	376880	74.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	133766	82.24	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	763960	73.04	ng	0.00
78) Terphenyl-d14	12.96	244	566097	70.08	ng	-0.01

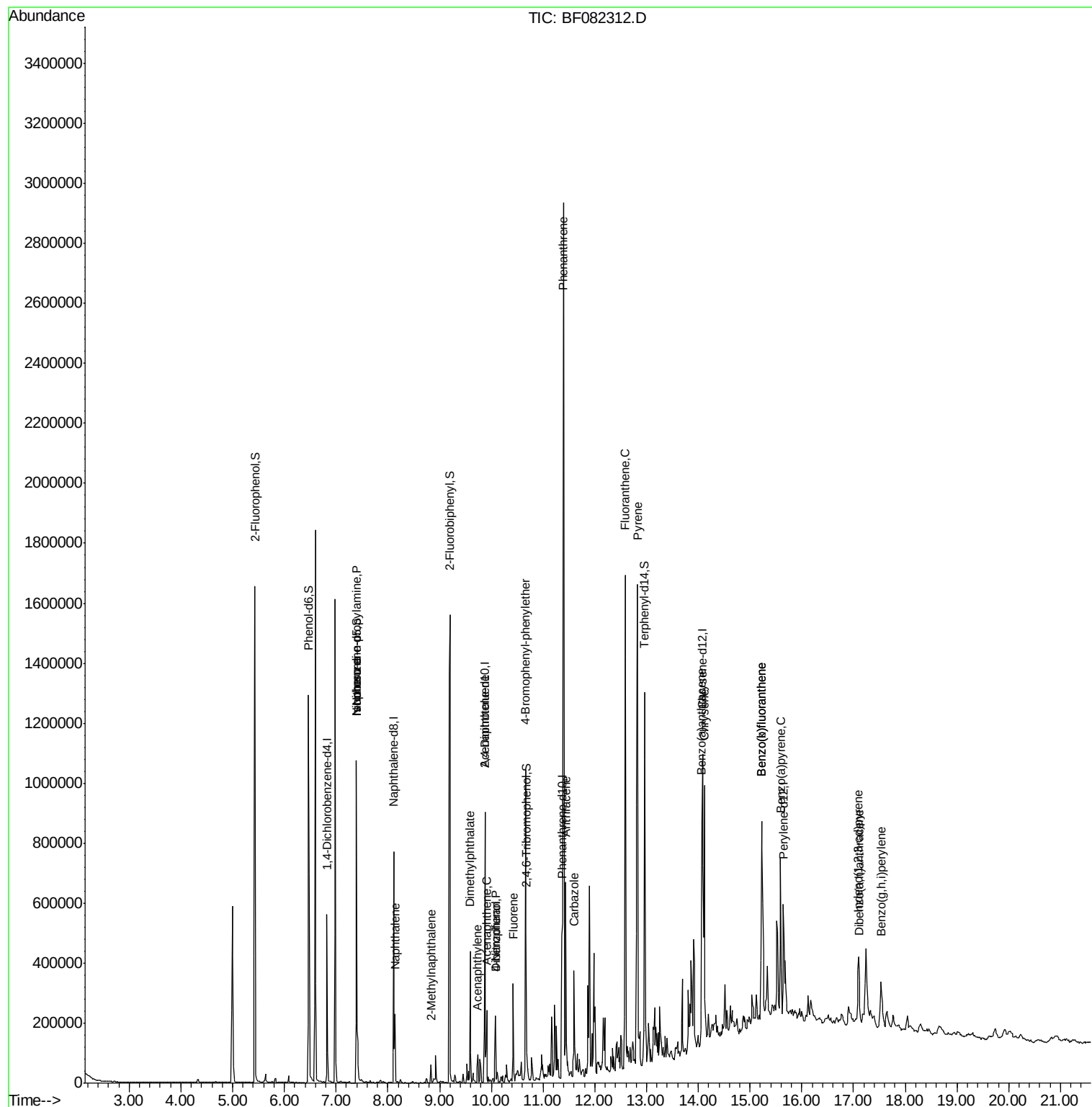
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	51901	13.33	ng	# 78
25) Isophorone	7.39	82	323719	31.54	ng	# 66
31) Naphthalene	8.14	128	97138	6.56	ng	99
37) 2-Methylnaphthalene	8.83	142	26448	2.58	ng	98
48) Acenaphthylene	9.74	152	47313	2.92	ng	99
49) Dimethylphthalate	9.59	163	181357	14.85	ng	99
51) Acenaphthene	9.91	154	62233	6.39	ng	98
54) Dibenzofuran	10.08	168	90102	6.74	ng	96
55) 4-Nitrophenol	10.08	139	34441	23.36	ng	# 12
56) 2,4-Dinitrotoluene	9.87	165	24908	7.73	ng	# 23
57) Fluorene	10.42	166	98837	9.00	ng	100
66) 4-Bromophenyl-phenylether	10.66	248	8676	2.91	ng	# 1
70) Phenanthrene	11.40	178	1138274	77.91	ng	99
71) Anthracene	11.44	178	284594	18.90	ng	99
72) Carbazole	11.60	167	170316	12.40	ng	98
74) Fluoranthene	12.58	202	1004350	64.00	ng	96
77) Pyrene	12.82	202	791144	62.28	ng	99
80) Benzo(a)anthracene	14.07	228	422398	37.93	ng	99
82) Chrysene	14.12	228	366324	31.22	ng	97
85) Indeno(1,2,3-cd)pyrene	17.10	276	153467	16.45	ng	94
87) Benzo(b)fluoranthene	15.22	252	563615	43.93	ng	98
88) Benzo(k)fluoranthene	15.22	252	563615	52.26	ng	# 96
89) Benzo(a)pyrene	15.59	252	278169	25.23	ng	98
90) Dibenzo(a,h)anthracene	17.11	278	38575	4.27	ng	# 93
91) Benzo(g,h,i)perylene	17.53	276	125135	14.26	ng	98

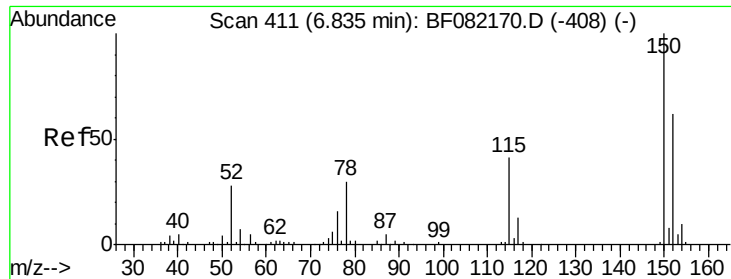
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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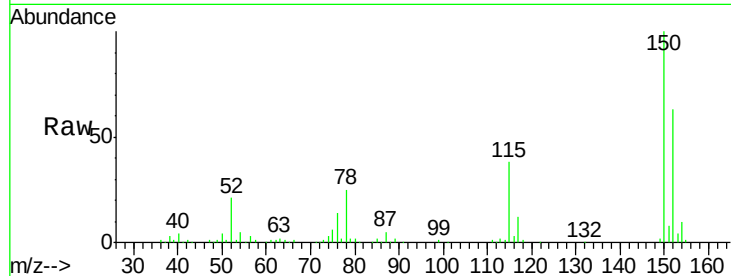


#1

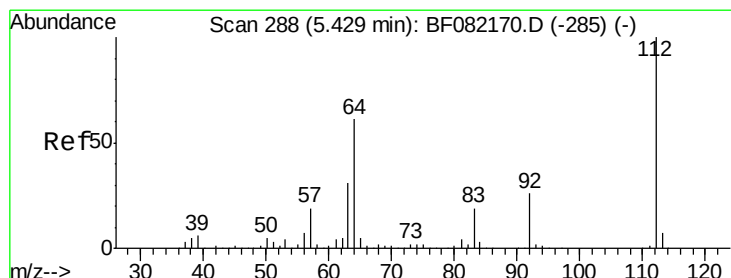
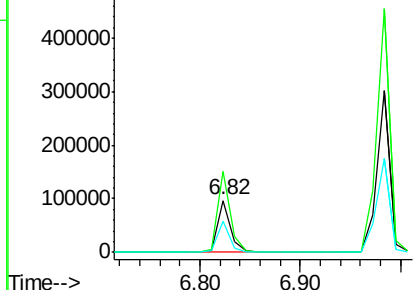
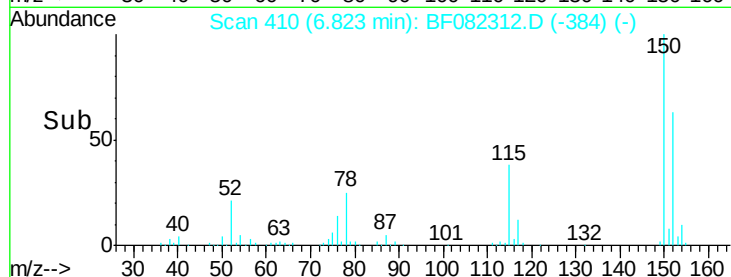
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Instrument :
BNA_F
ClientSampleId :
KW-3

Tot Ion:152 Resp: 85969
Ion Ratio Lower Upper
152 100
150 157.5 129.0 193.4
115 59.9 52.1 78.1



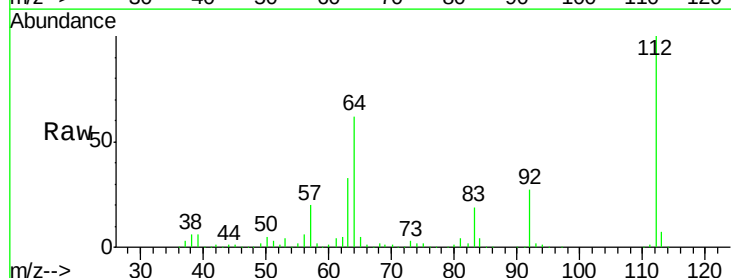
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



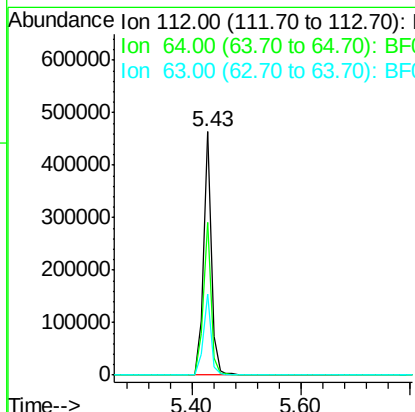
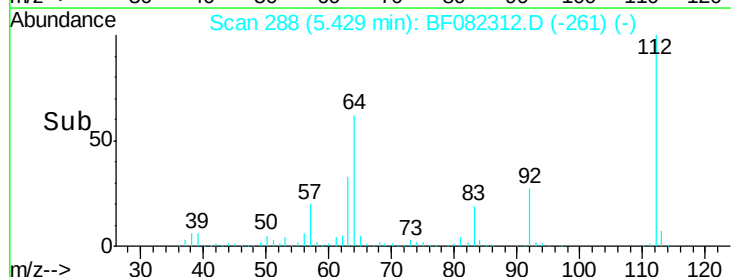
#5

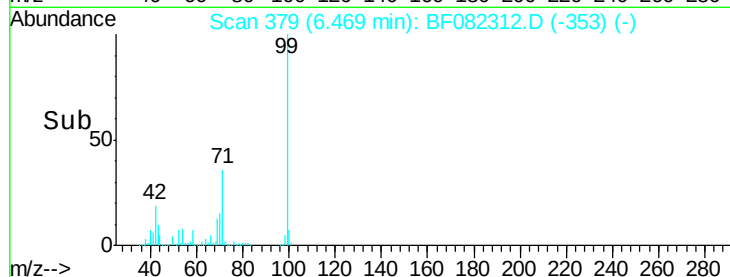
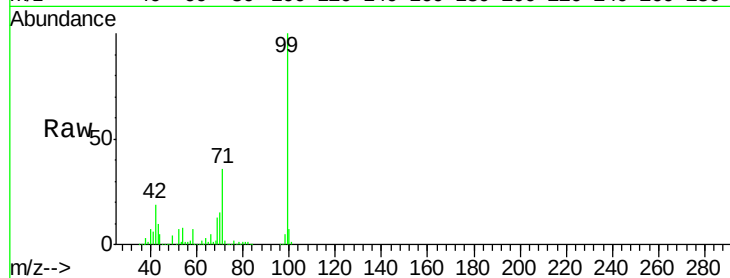
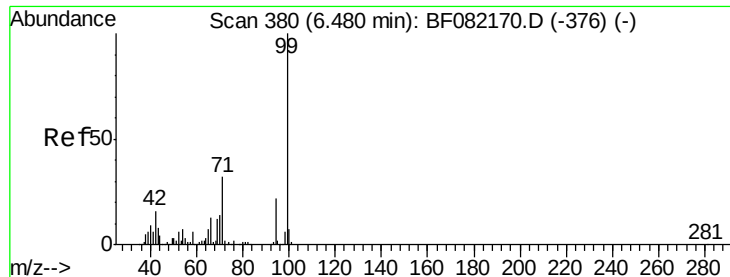
2-Fluorophenol
Concen: 107.64 ng
RT: 5.43 min Scan# 288
Delta R.T. 0.01 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Tgt Ion:112 Resp: 458489
Ion Ratio Lower Upper
112 100
64 62.5 48.6 73.0
63 33.3 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: 105.98 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

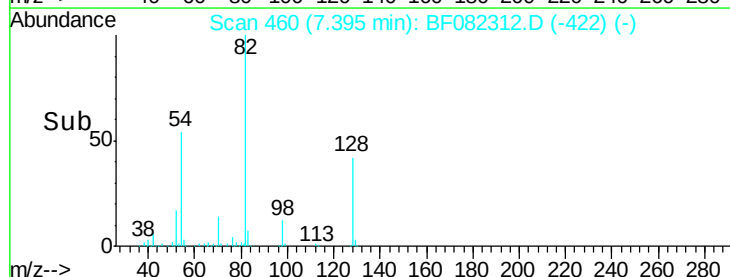
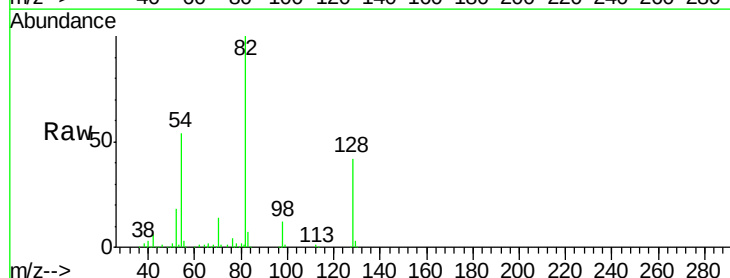
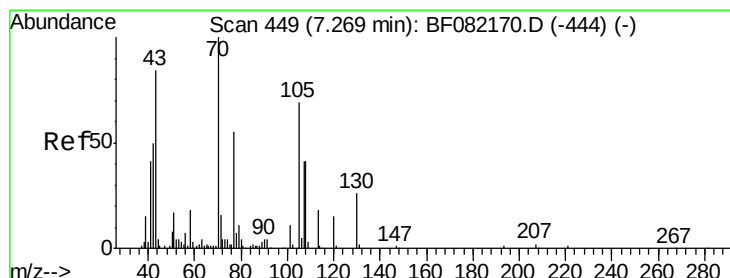
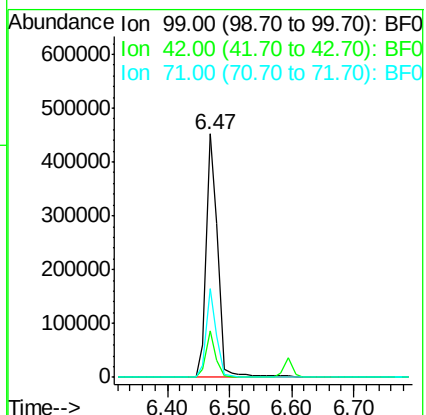
Tot Ion: 99 Resp: 587485

Ion Ratio Lower Upper

99 100

42 19.3 13.2 19.8

71 36.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.33 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Tgt Ion: 70 Resp: 51901

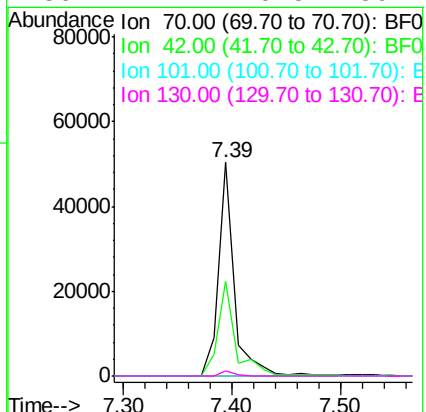
Ion Ratio Lower Upper

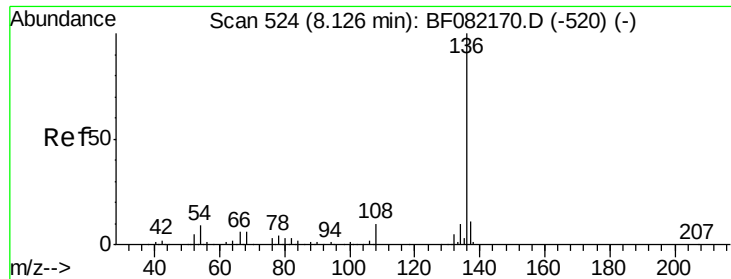
70 100

42 44.5 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

Tot Ion:136 Resp: 341482

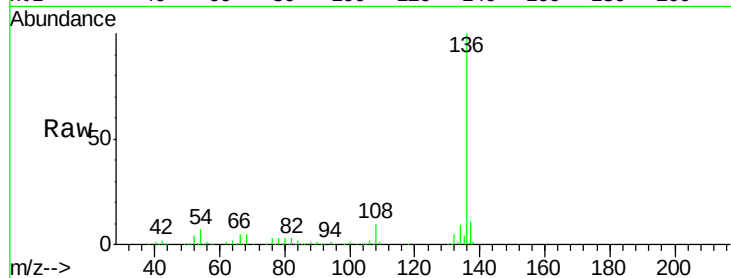
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.4 7.5 11.3#

68 4.8 4.6 7.0

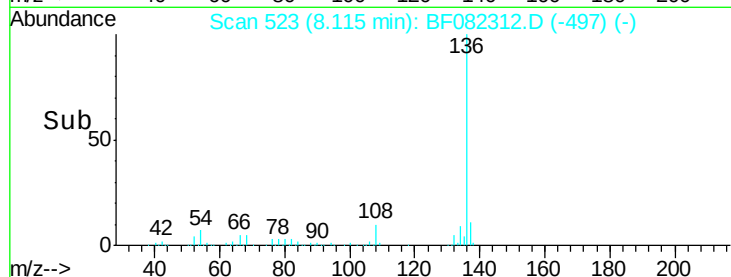


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

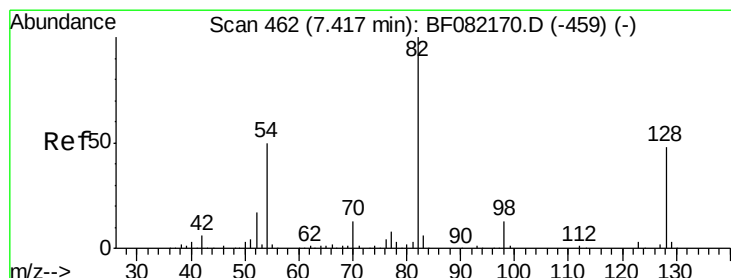
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.11



#23

Nitrobenzene-d5

Concen: 74.12 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

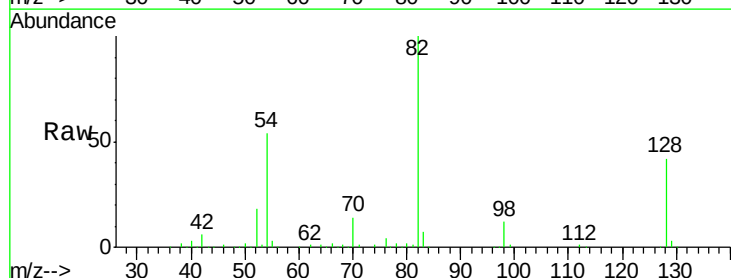
Tgt Ion: 82 Resp: 376880

Ion Ratio Lower Upper

82 100

128 41.7 38.7 58.1

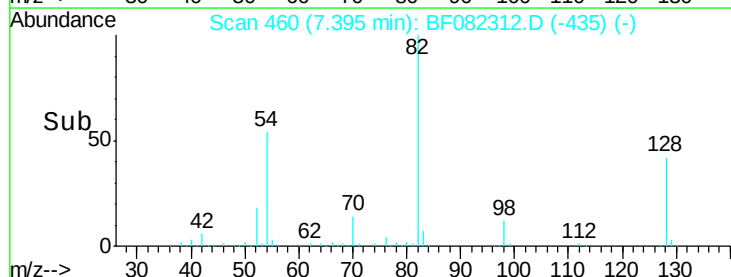
54 53.8 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

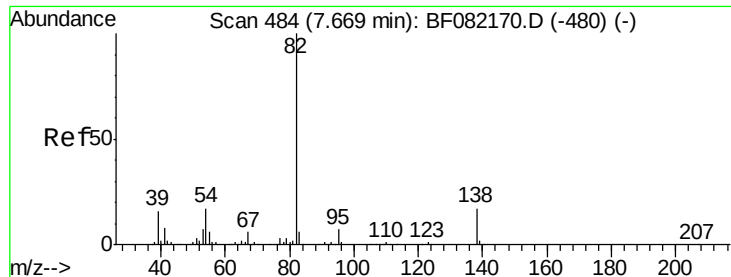
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.39



#25

Isophorone

Concen: 31.54 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampled :

KW-3

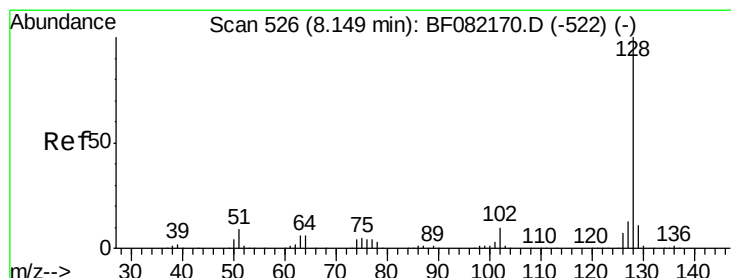
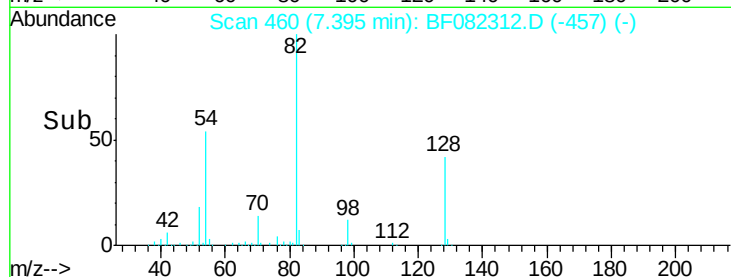
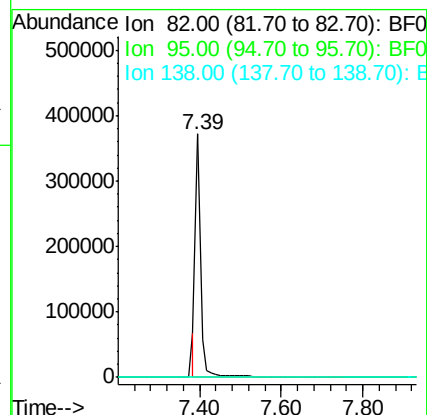
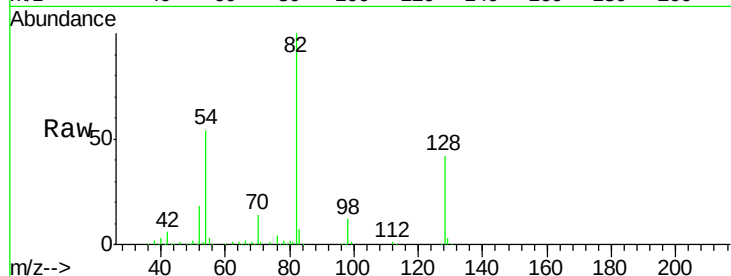
Tot Ion: 82 Resp: 323719

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#31

Naphthalene

Concen: 6.56 ng

RT: 8.14 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

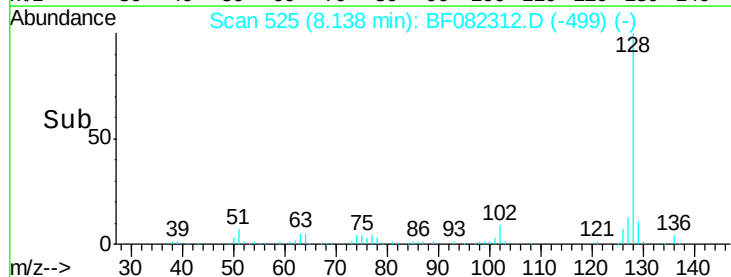
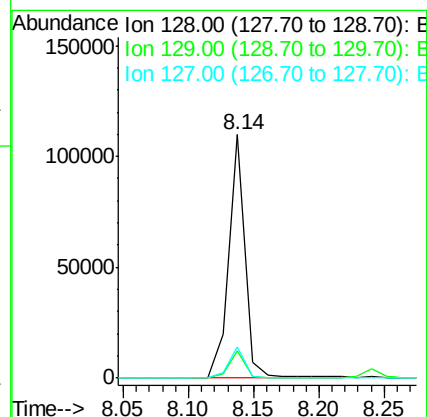
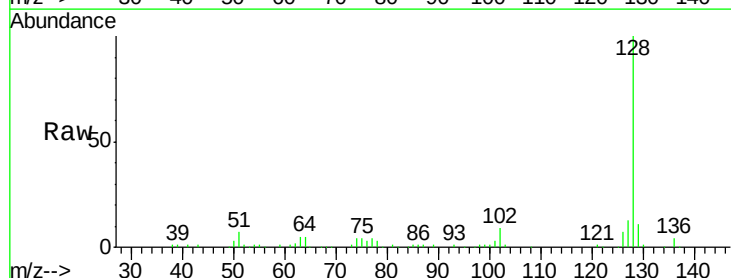
Tgt Ion: 128 Resp: 97138

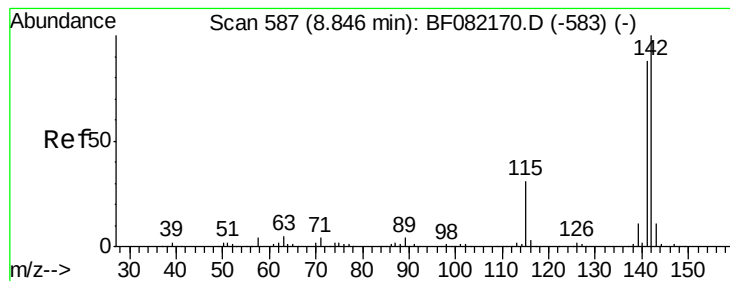
Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

127 13.0 10.7 16.1





#37

2-Methylnaphthalene

Concen: 2.58 ng

RT: 8.83 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

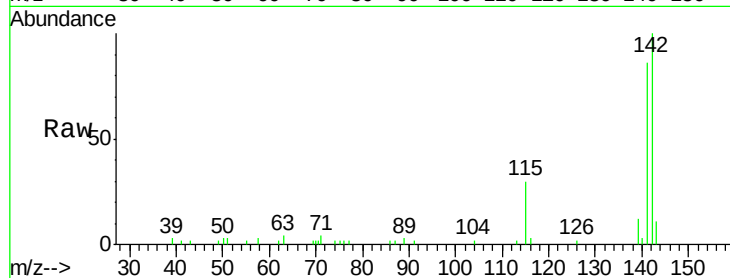
Tot Ion:142 Resp: 26448

Ion Ratio Lower Upper

142 100

141 86.4 70.4 105.6

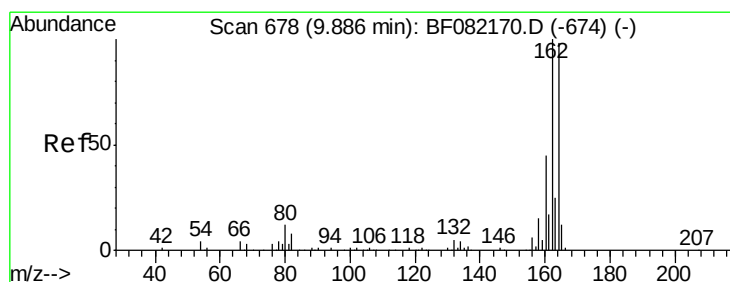
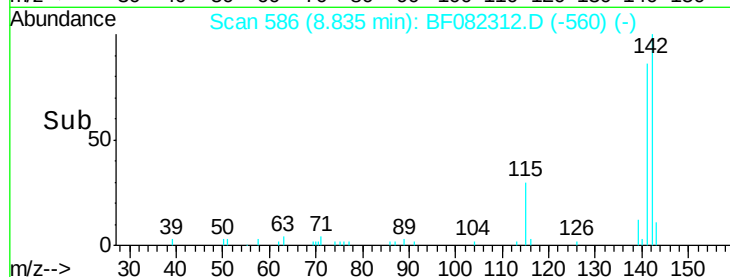
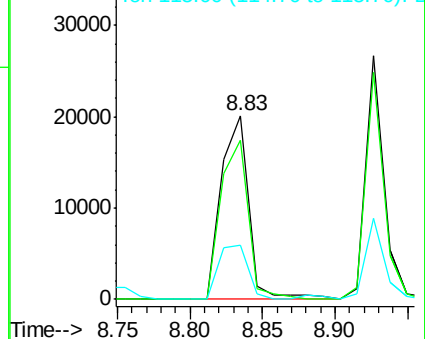
115 29.8 24.6 37.0



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: BF082312.D

Acq: 15 Oct 2015 16:36

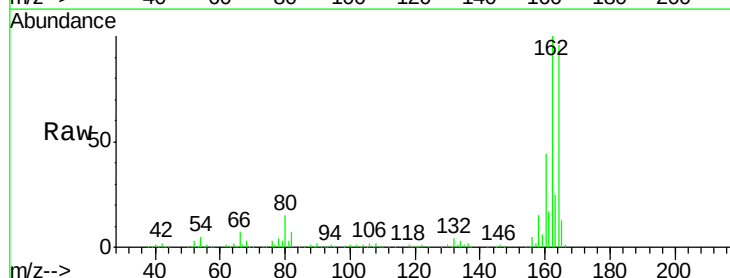
Tgt Ion:164 Resp: 173448

Ion Ratio Lower Upper

164 100

162 103.9 81.6 122.4

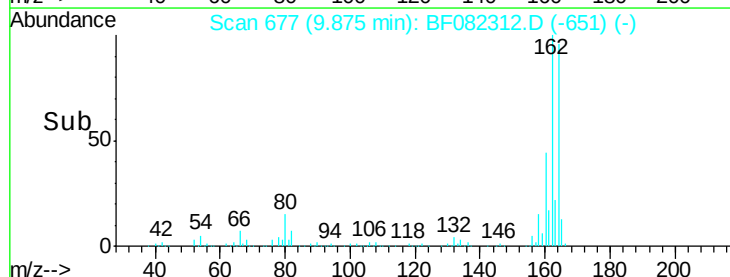
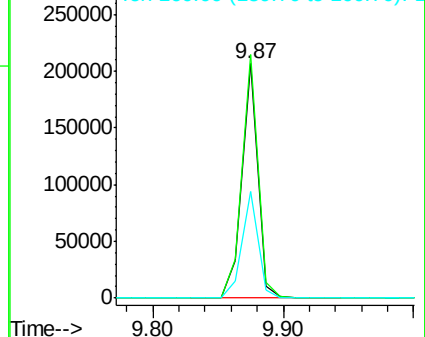
160 45.7 36.4 54.6

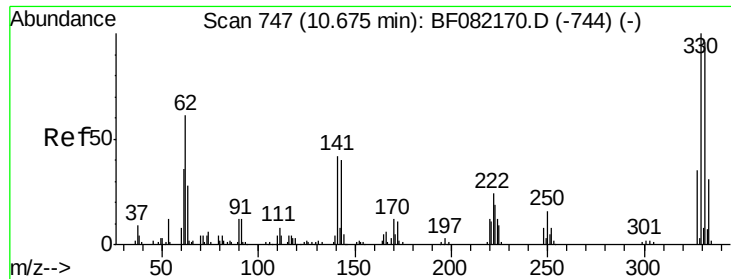


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

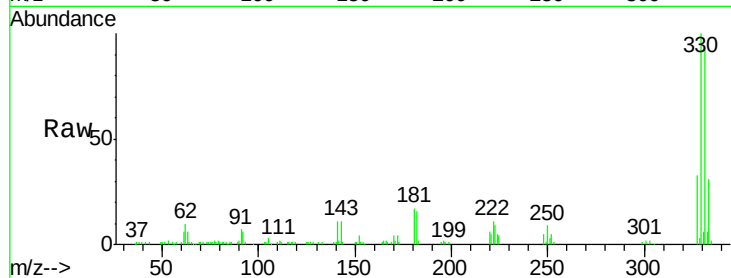




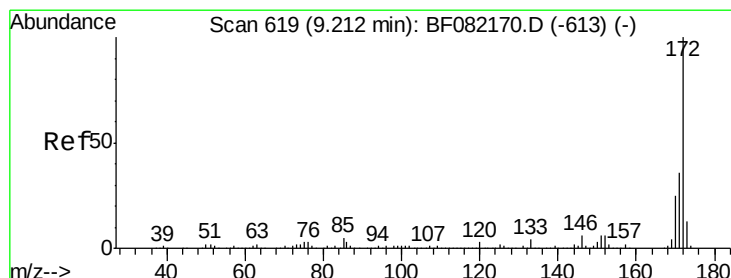
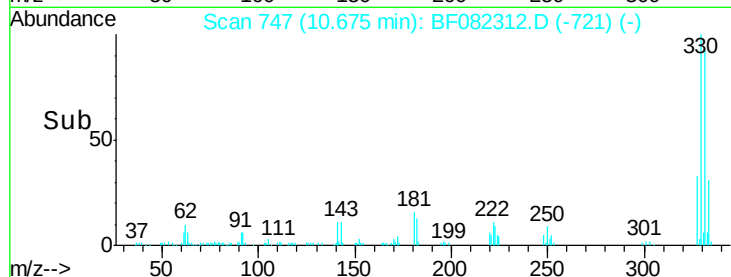
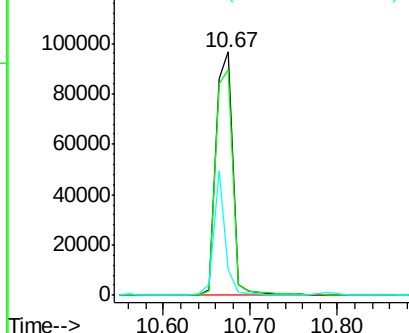
#41
 2,4,6-Tribromophenol
 Concen: 82.24 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082312.D
 Acq: 15 Oct 2015 16:36

Instrument :
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Tot Ion	330	Resp	133766
Ion Ratio	100	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	35.1	29.8	44.8

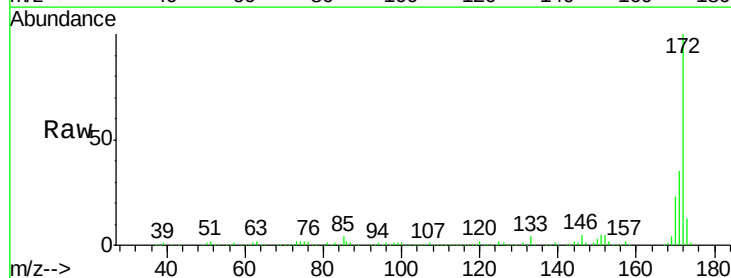


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

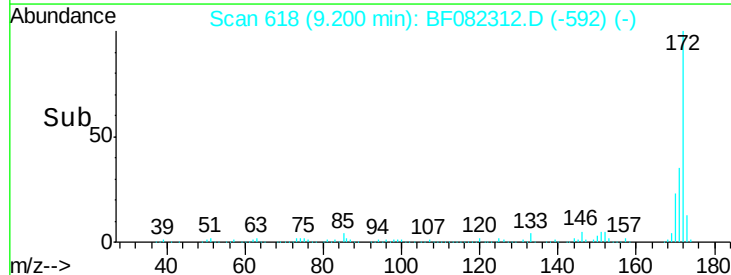
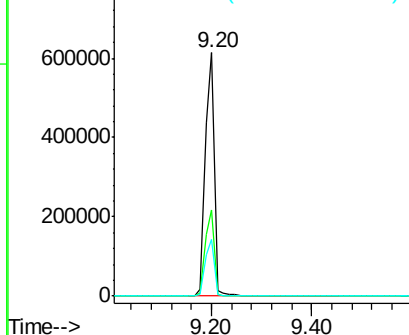


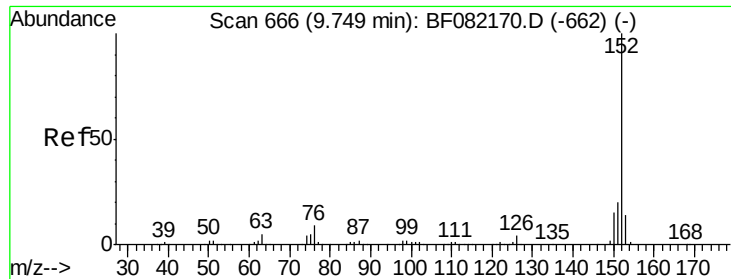
#44
 2-Fluorobiphenyl
 Concen: 73.04 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082312.D
 Acq: 15 Oct 2015 16:36

Tgt Ion	172	Resp	763960
Ion Ratio	100	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	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: 2.92 ng

RT: 9.74 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

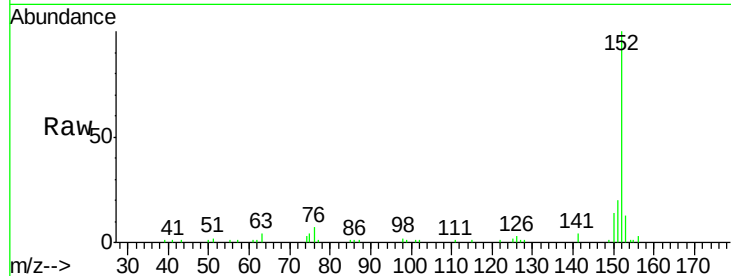
Tot Ion:152 Resp: 47313

Ion Ratio Lower Upper

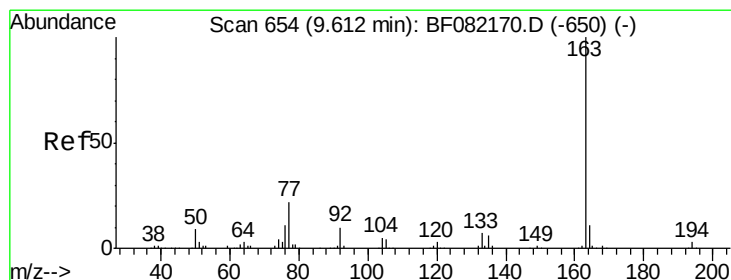
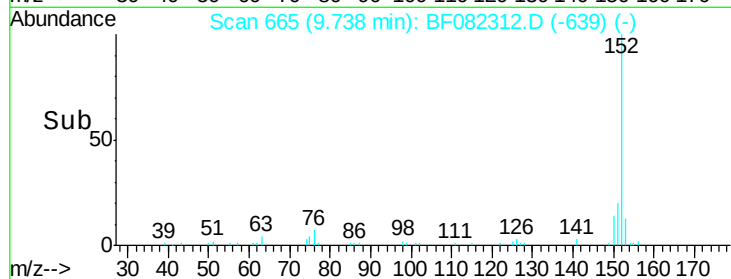
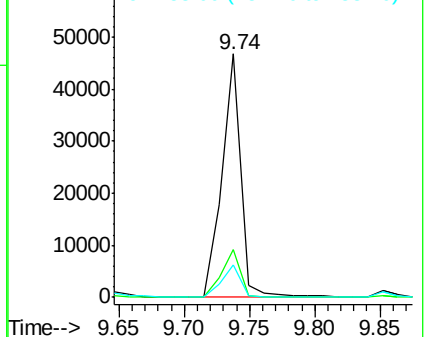
152 100

151 19.8 16.4 24.6

153 13.4 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: 14.85 ng

RT: 9.59 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

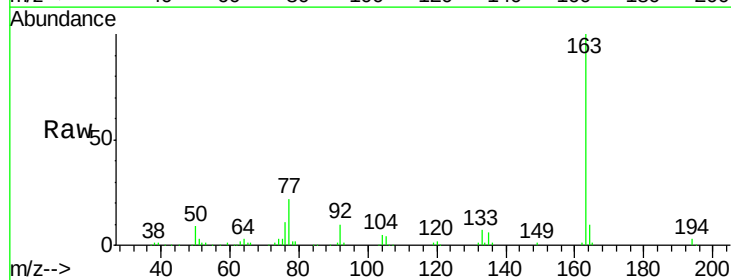
Tgt Ion:163 Resp: 181357

Ion Ratio Lower Upper

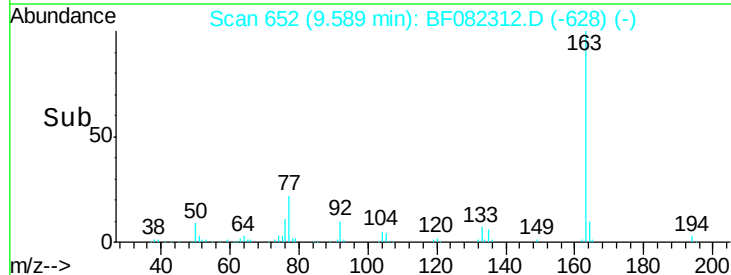
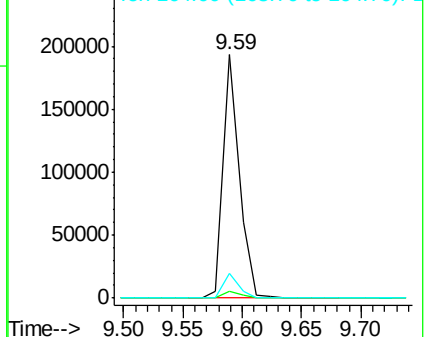
163 100

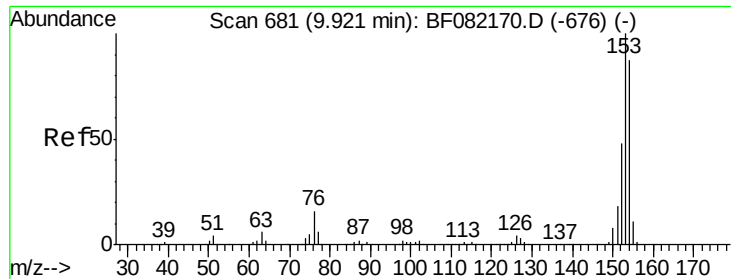
194 3.1 2.6 4.0

164 10.4 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: 6.39 ng

RT: 9.91 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

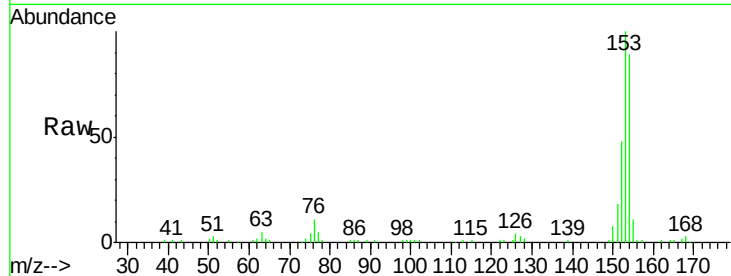
Tot Ion:154 Resp: 62233

Ion Ratio Lower Upper

154 100

153 112.2 91.4 137.2

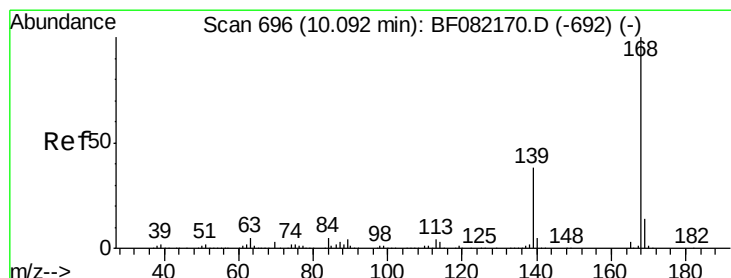
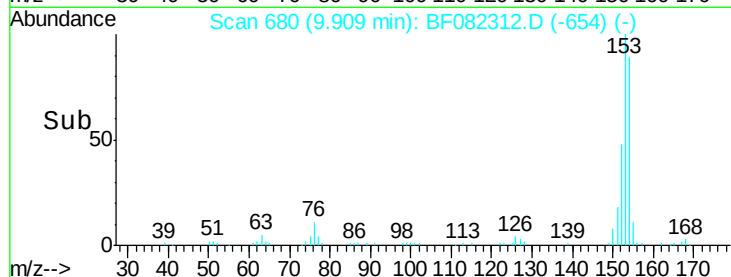
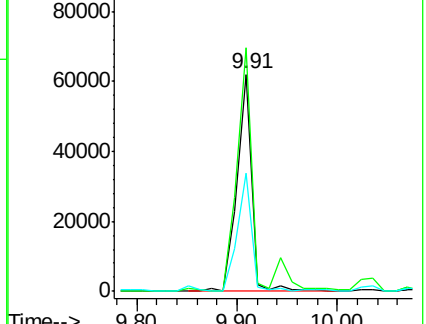
152 54.3 44.3 66.5



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



#54

Dibenzofuran

Concen: 6.74 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

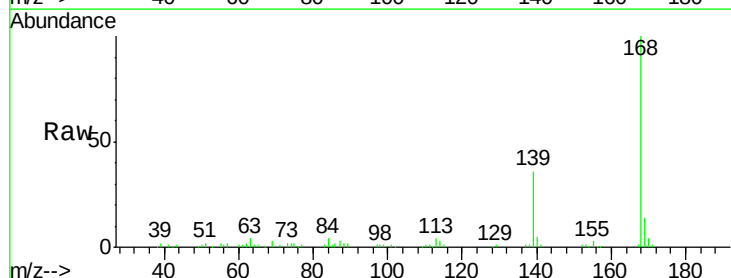
Tgt Ion:168 Resp: 90102

Ion Ratio Lower Upper

168 100

139 36.0 31.0 46.6

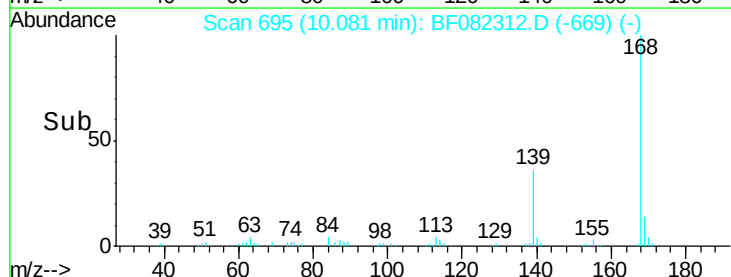
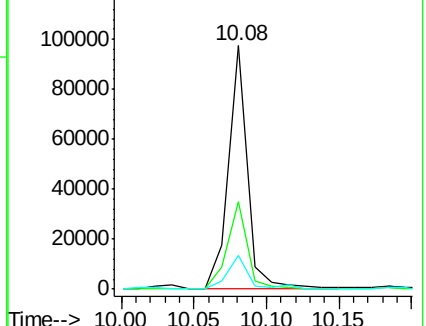
169 13.7 10.9 16.3

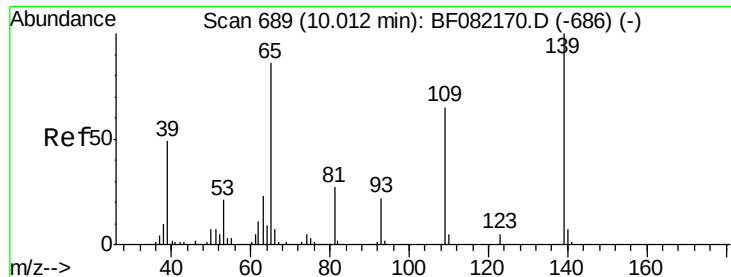


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 23.36 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.07 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

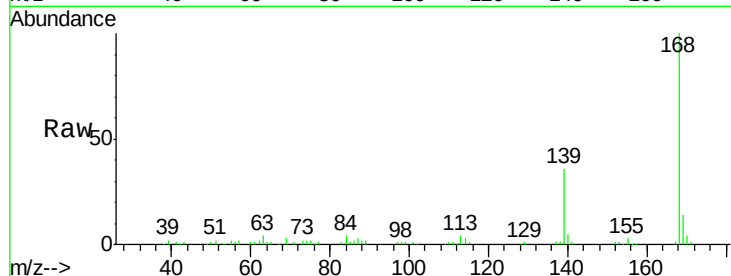
Tot Ion:139 Resp: 34441

Ion Ratio Lower Upper

139 100

109 1.0 44.8 84.8#

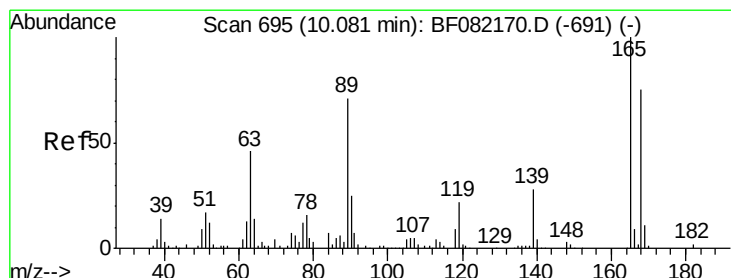
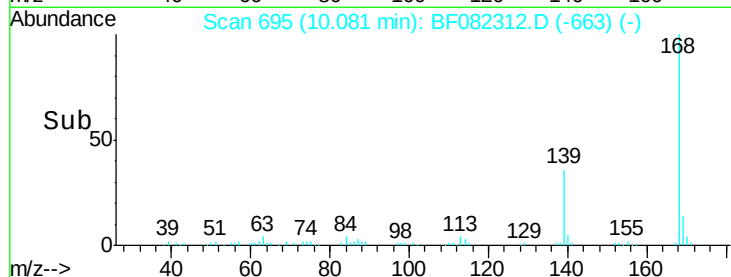
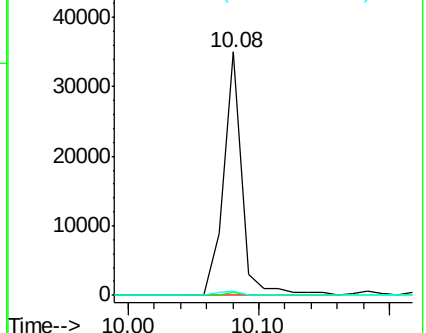
65 1.5 67.7 107.7#



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: 7.73 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Tgt Ion:165 Resp: 24908

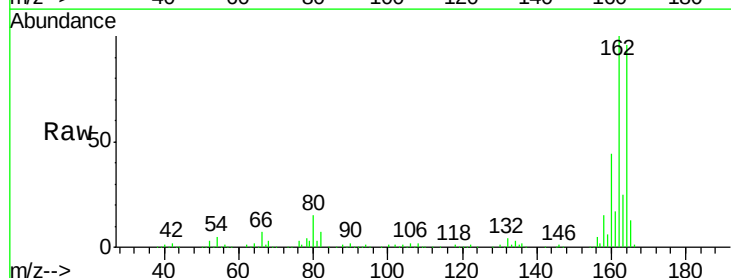
Ion Ratio Lower Upper

165 100

63 1.8 38.6 58.0#

89 1.7 57.0 85.6#

182 0.0 1.8 2.6#

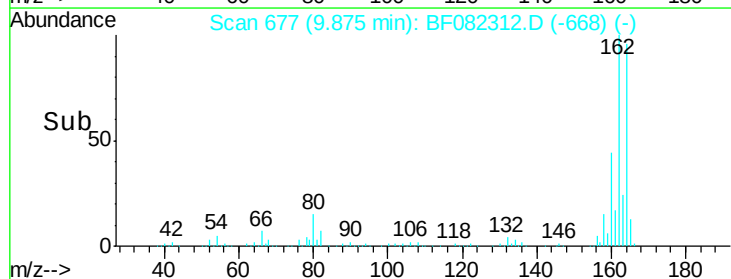
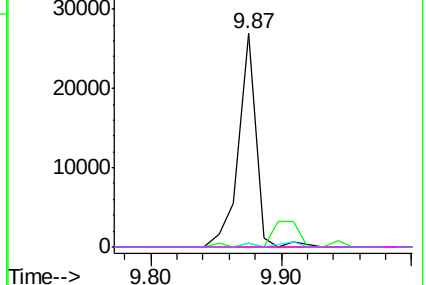


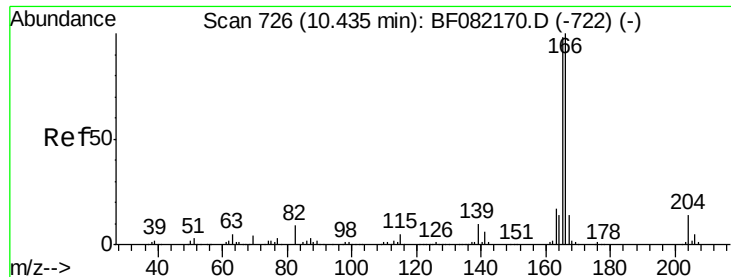
Abundance Ion 165.00 (164.70 to 165.70): E

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

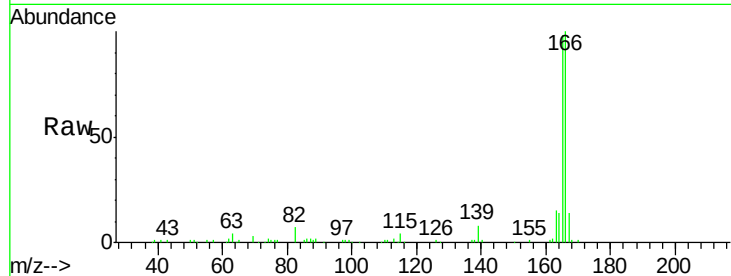




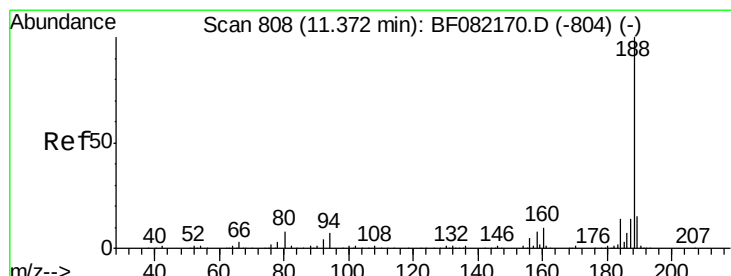
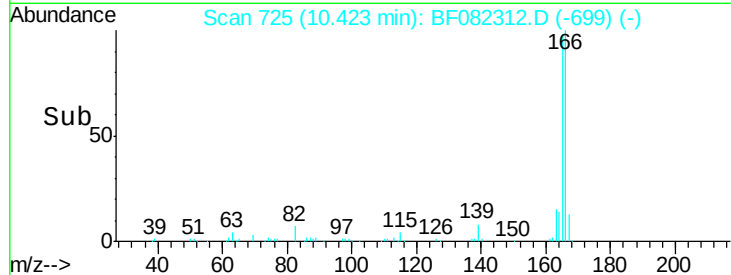
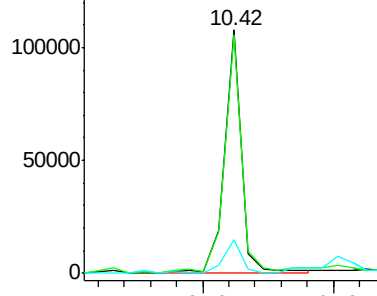
#57
Fluorene
Concen: 9.00 ng
RT: 10.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Instrument :
BNA_F
ClientSampleId :
KW-3

Tot Ion:166 Resp: 98837
Ion Ratio Lower Upper
166 100
165 98.2 78.3 117.5
167 13.8 10.8 16.2

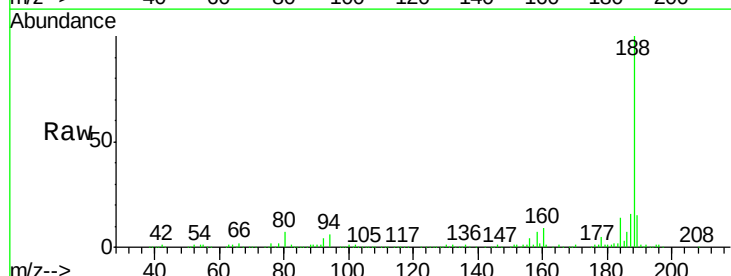


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

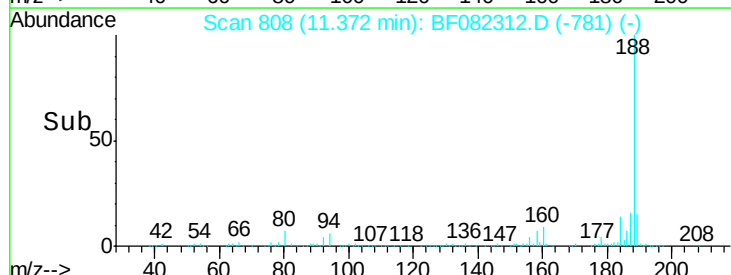
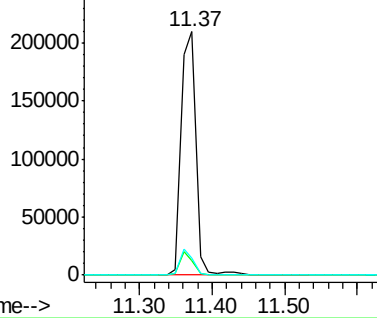


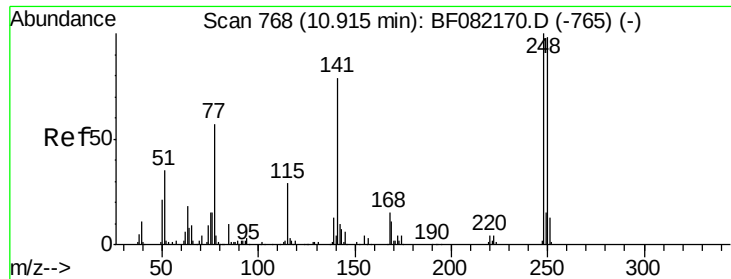
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 808
Delta R.T. 0.01 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Tgt Ion:188 Resp: 298071
Ion Ratio Lower Upper
188 100
94 5.8 5.8 8.6
80 6.8 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





#66

4-Bromophenyl-phenylether

Concen: 2.91 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

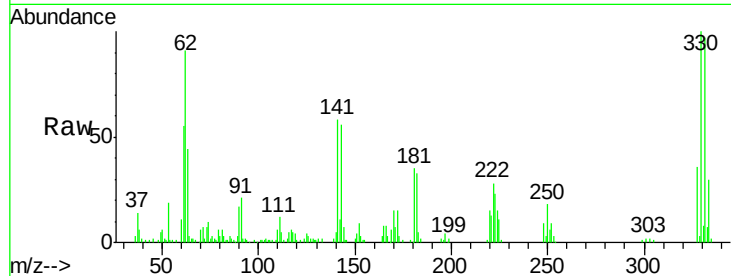
Tot Ion:248 Resp: 8676

Ion Ratio Lower Upper

248 100

250 188.2 78.6 117.8#

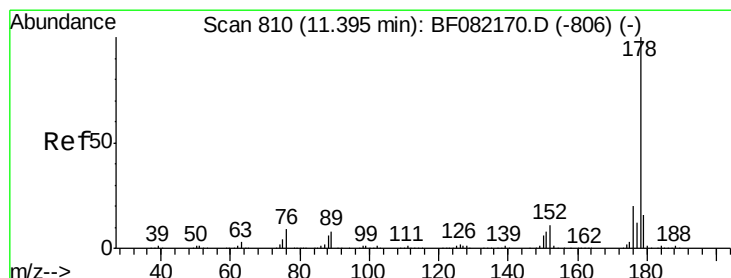
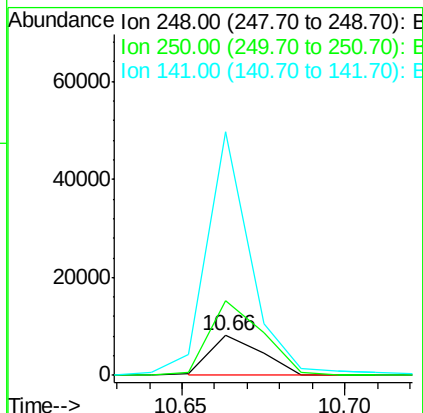
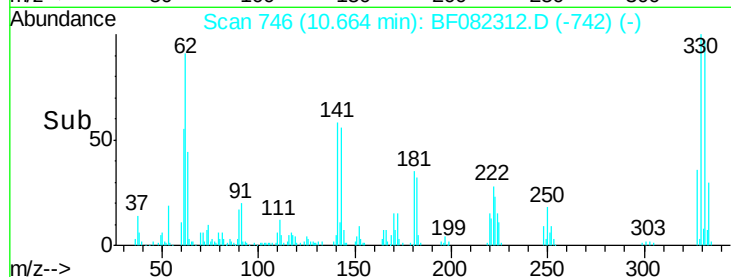
141 611.3 63.3 94.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 77.91 ng

RT: 11.40 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

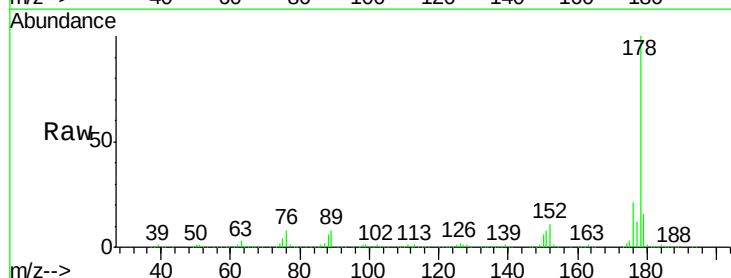
Tgt Ion:178 Resp: 1138274

Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

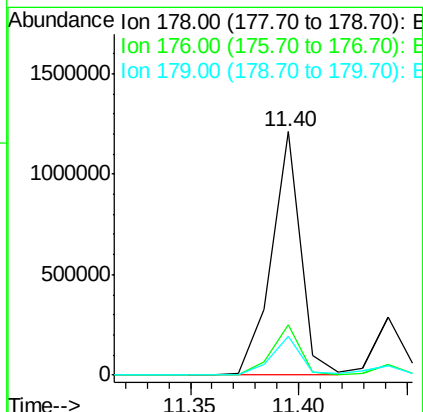
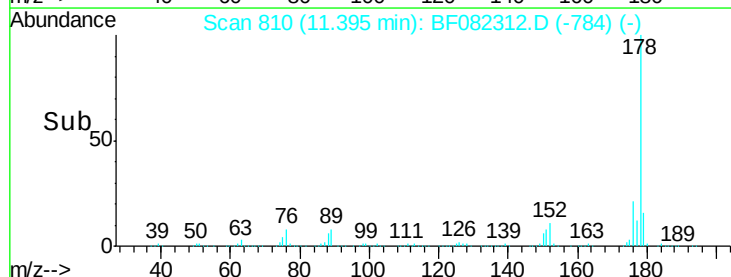
179 16.0 12.6 19.0

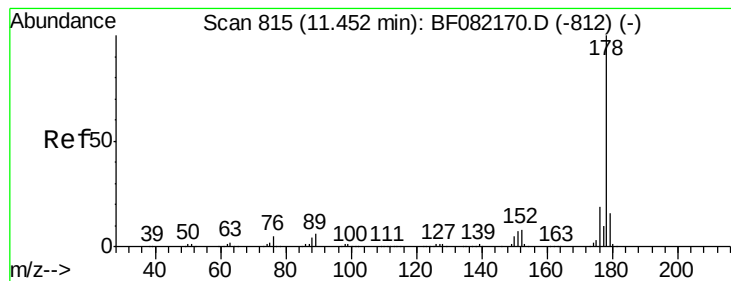


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 18.90 ng

RT: 11.44 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

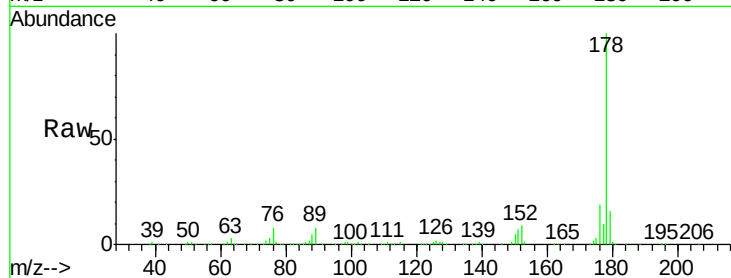
Tot Ion:178 Resp: 284594

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

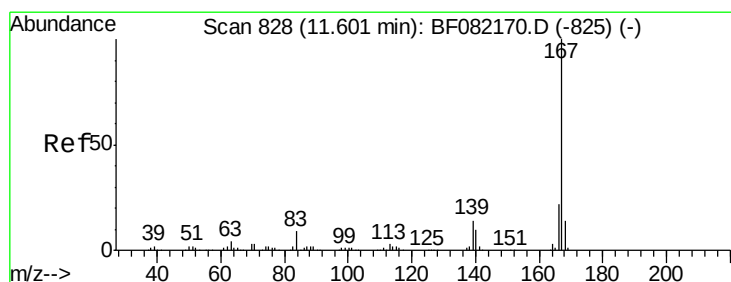
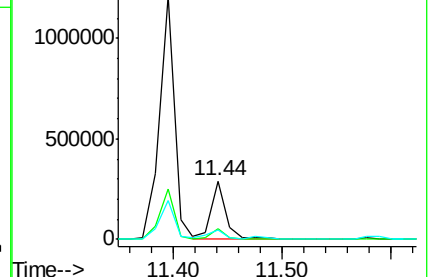
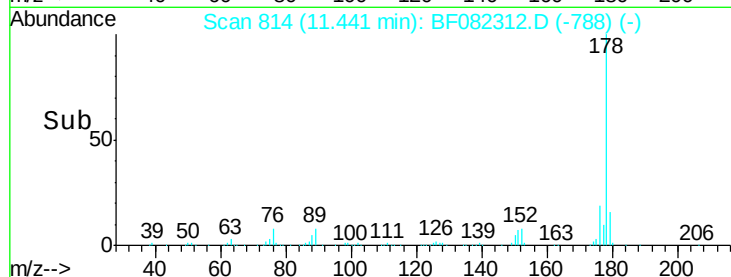
179 16.0 12.5 18.7



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: 12.40 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

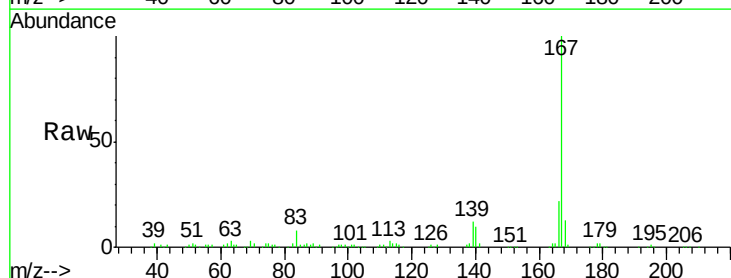
Tgt Ion:167 Resp: 170316

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

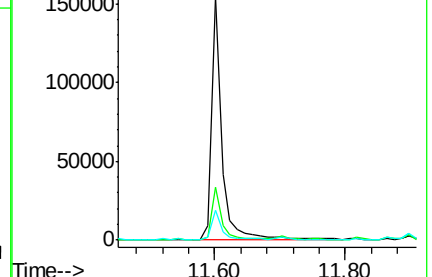
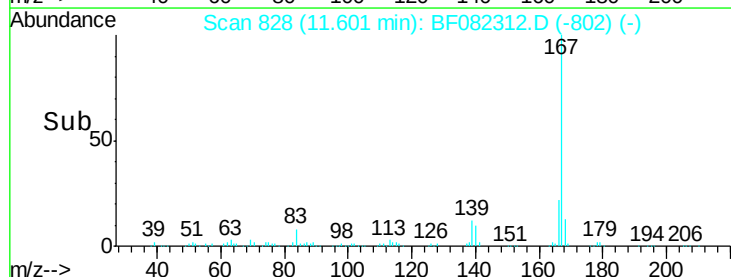
139 12.3 11.2 16.8

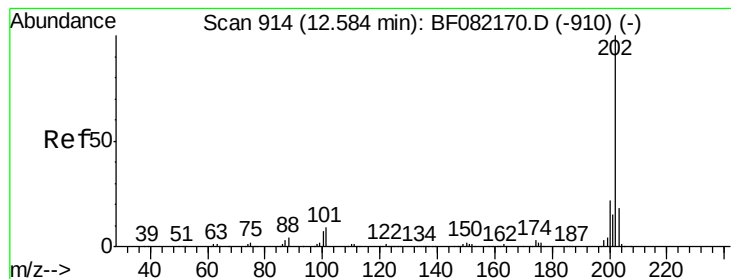


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 64.00 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

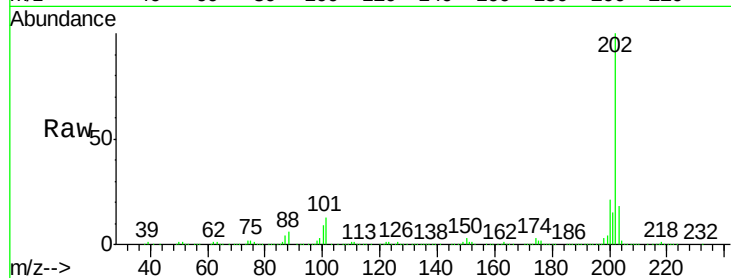
Tot Ion:202 Resp: 1004350

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	29.3
203	18.2	0.0	37.8

202 100

101 12.7 0.0 29.3

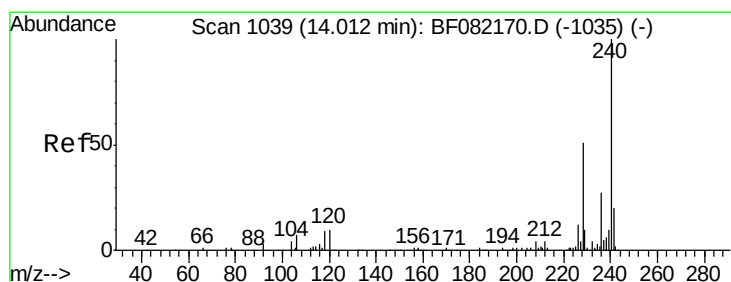
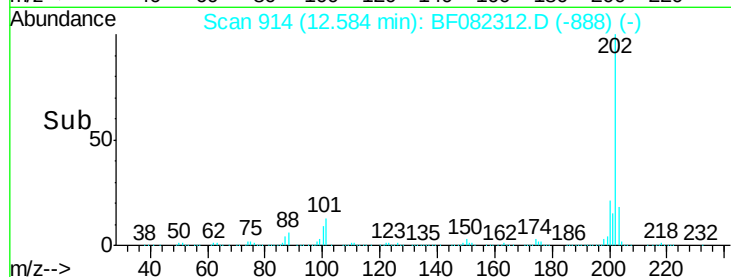
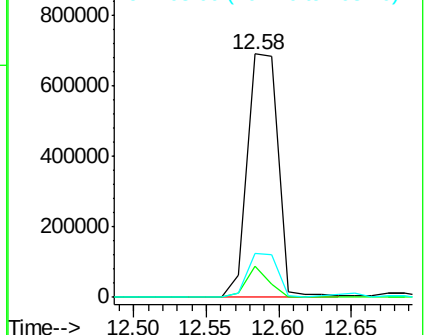
203 18.2 0.0 37.8



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: 14.08 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

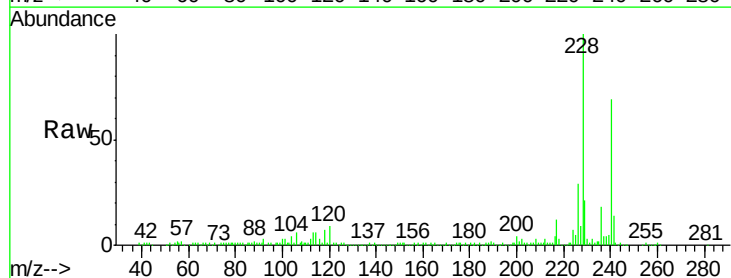
Tgt Ion:240 Resp: 214049

Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.1	12.1#
236	25.8	21.3	31.9

240 100

120 12.4 8.1 12.1#

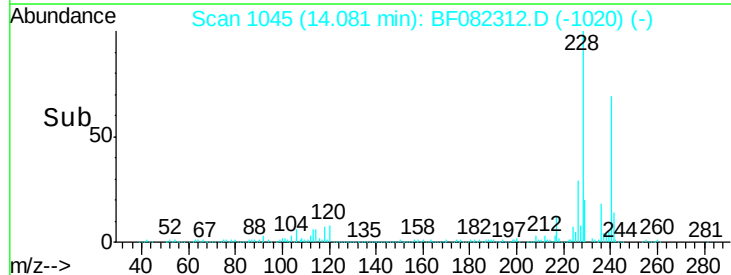
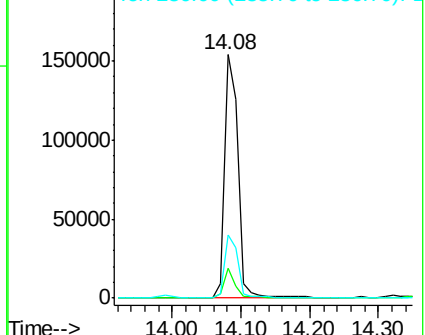
236 25.8 21.3 31.9

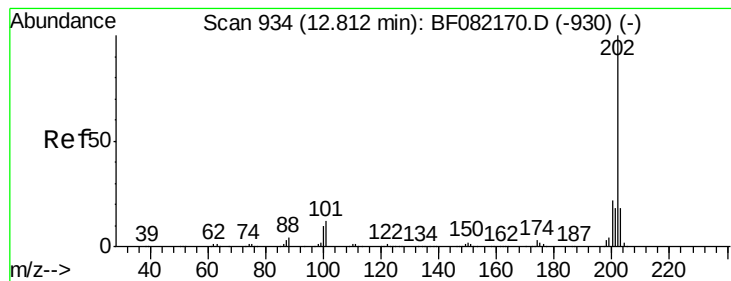


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 62.28 ng

RT: 12.82 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

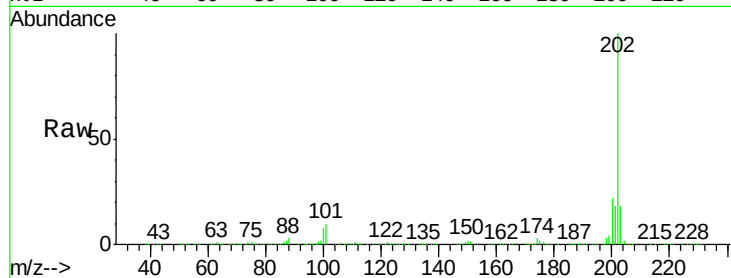
Tot Ion:202 Resp: 791144

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

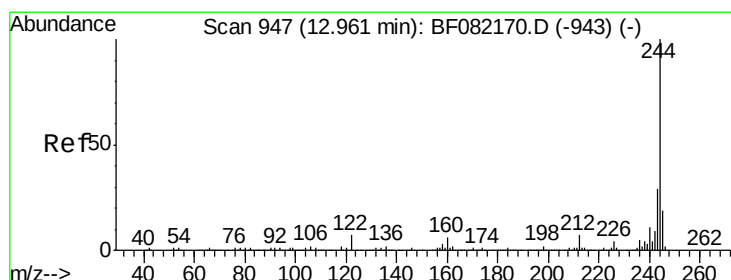
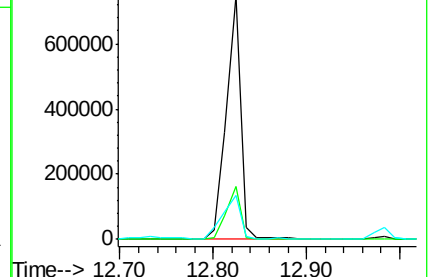
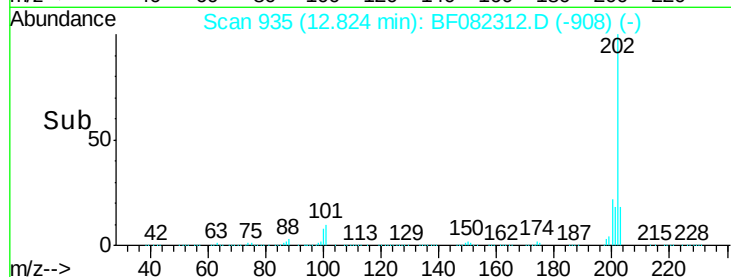
203 18.0 14.5 21.7



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: 70.08 ng

RT: 12.96 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

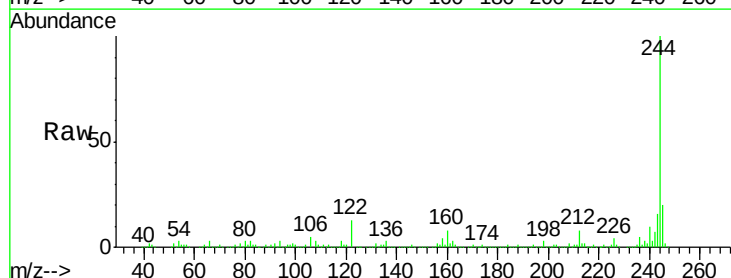
Tgt Ion:244 Resp: 566097

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

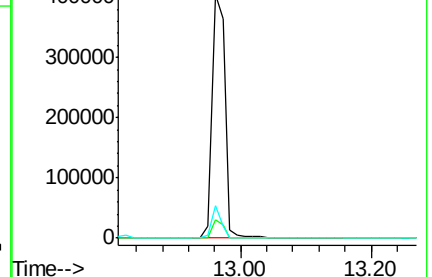
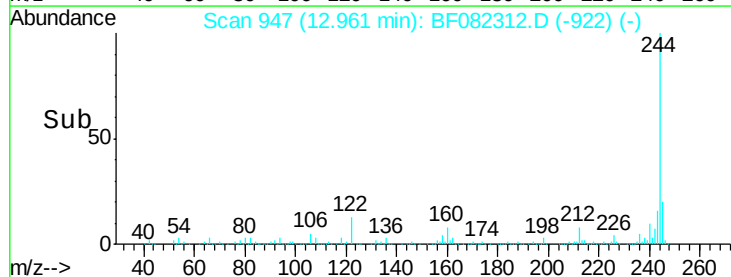
122 13.2 5.9 8.9#

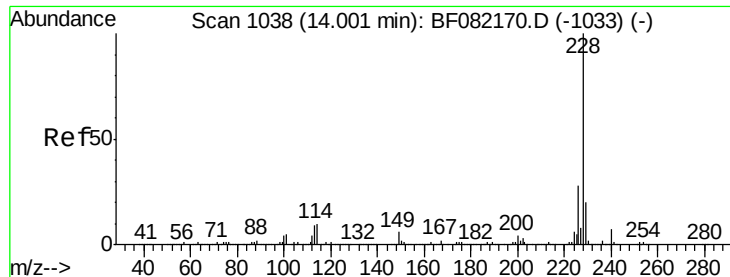


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 37.93 ng

RT: 14.07 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

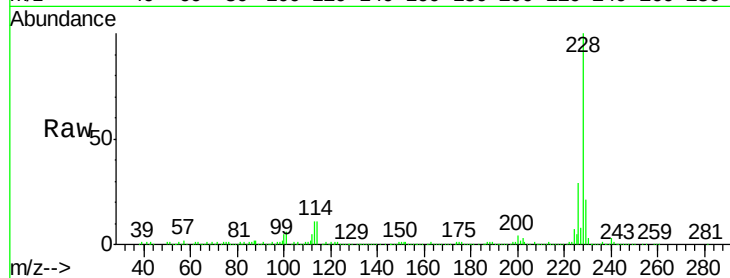
Tot Ion:228 Resp: 422398

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

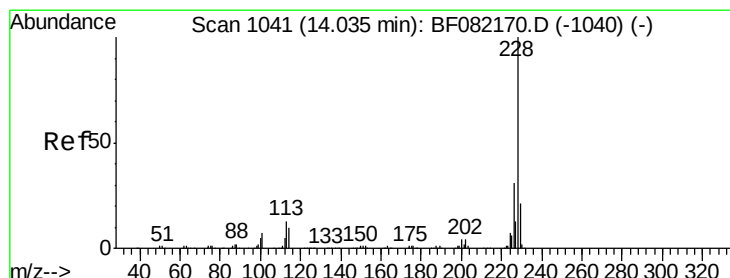
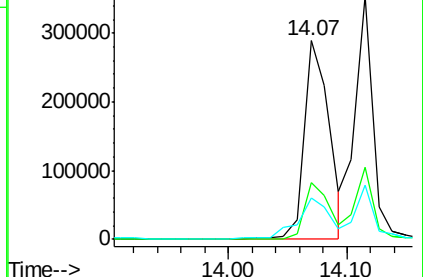
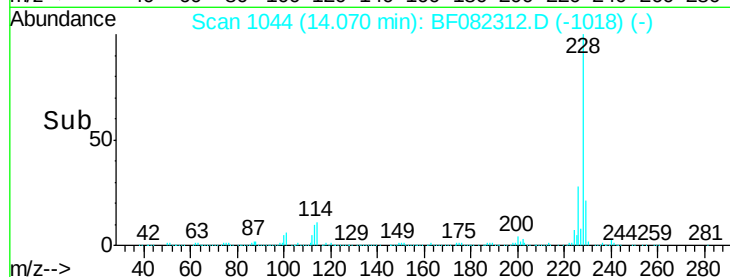
229 20.9 16.2 24.2



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: 31.22 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

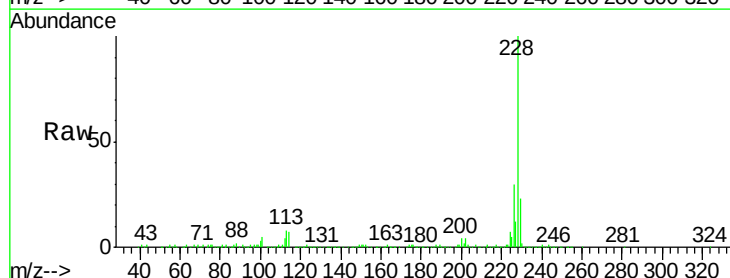
Tgt Ion:228 Resp: 366324

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

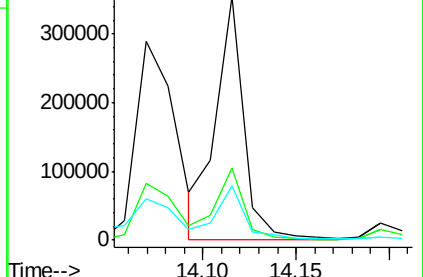
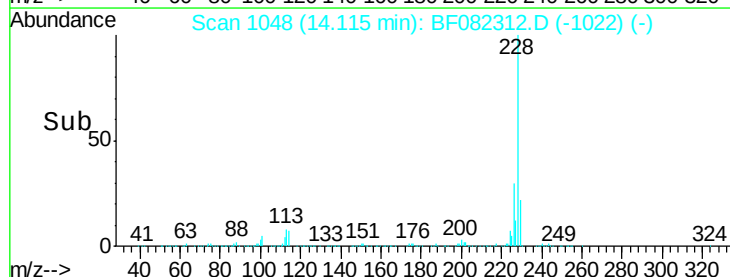
229 22.5 16.3 24.5

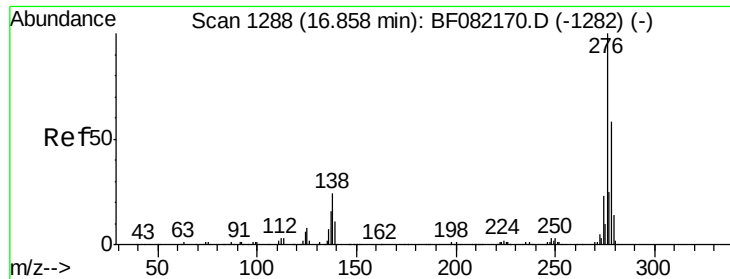


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

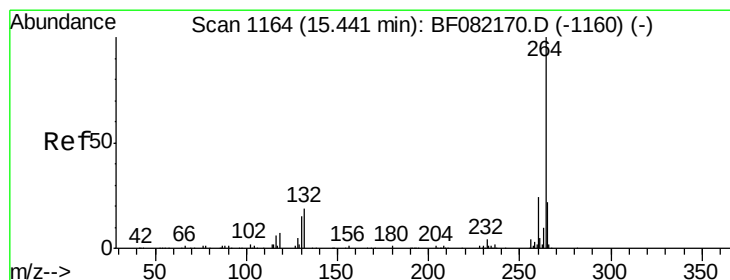
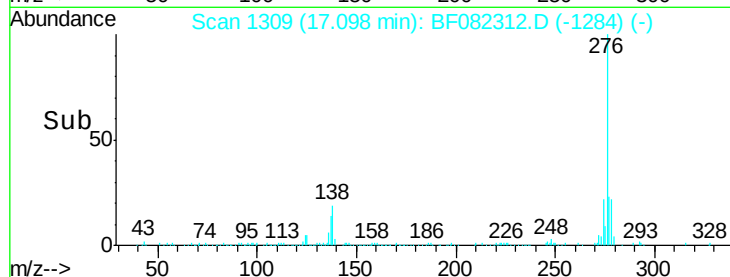
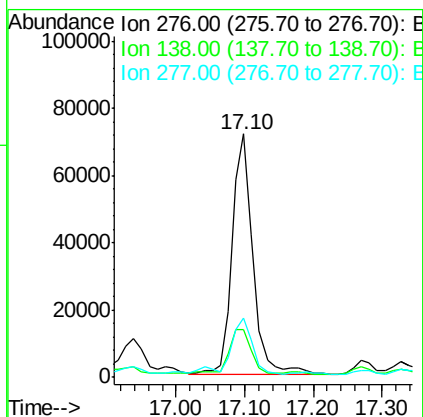
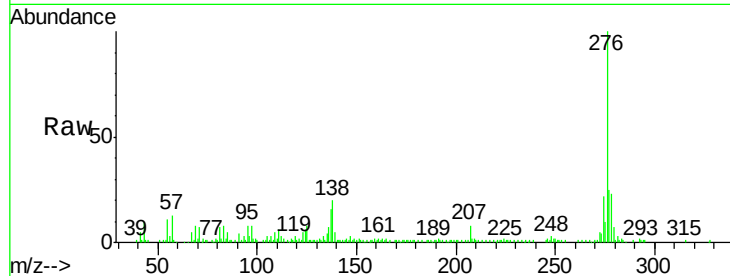




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.45 ng
 RT: 17.10 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF082312.D
 Acq: 15 Oct 2015 16:36

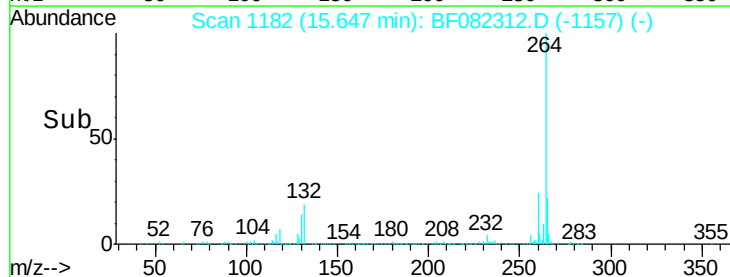
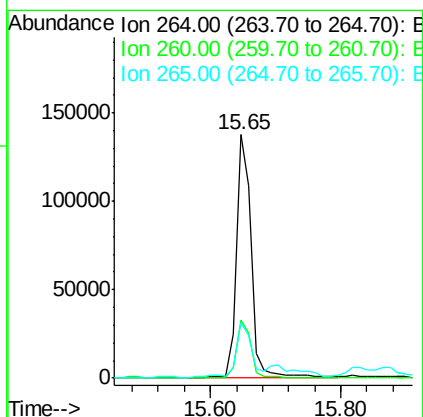
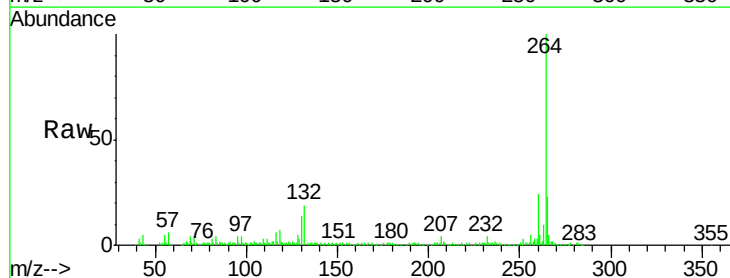
Instrument :
 BNA_F
 ClientSampleId :
 KW-3

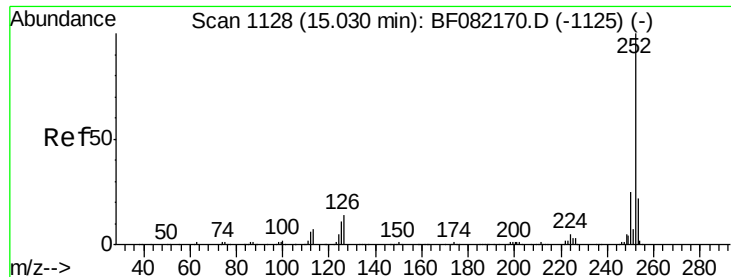
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.7	29.5
277	26.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.65 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF082312.D
 Acq: 15 Oct 2015 16:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 43.93 ng

RT: 15.22 min Scan# 1145

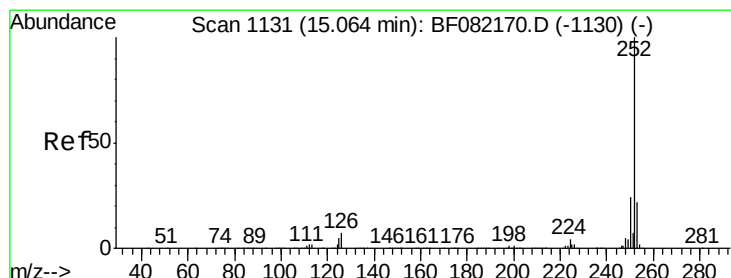
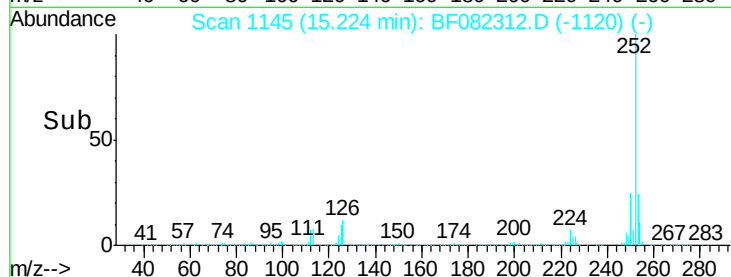
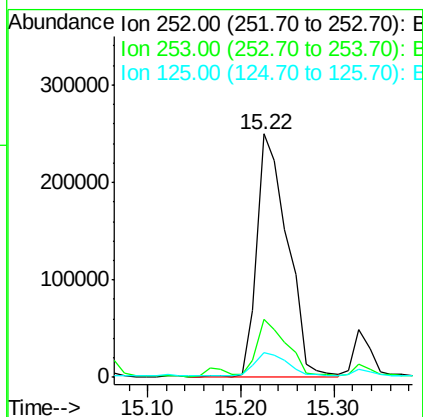
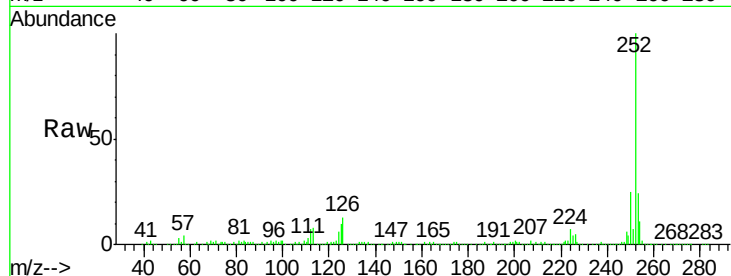
Delta R.T. -0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :
BNA_F
ClientSampleId :
KW-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	10.4	8.6	12.8



#88

Benzo(k)fluoranthene

Concen: 52.26 ng

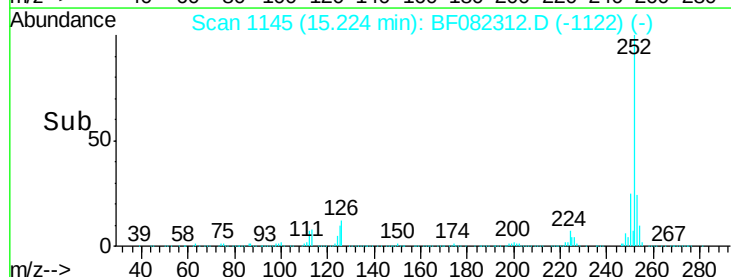
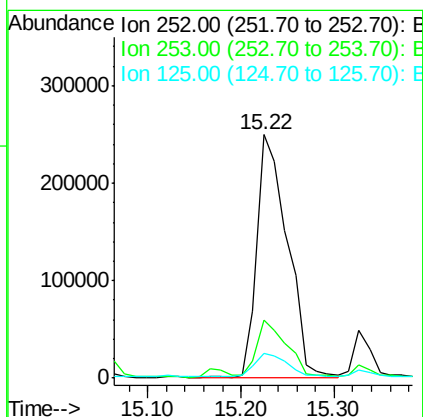
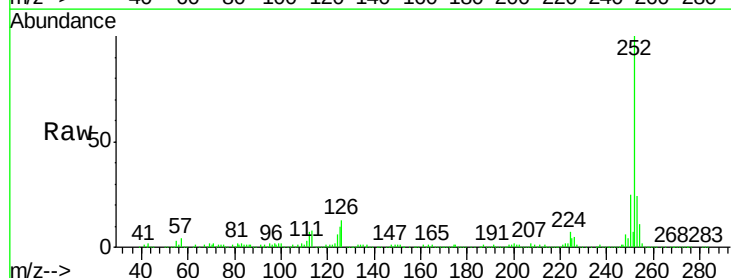
RT: 15.22 min Scan# 1145

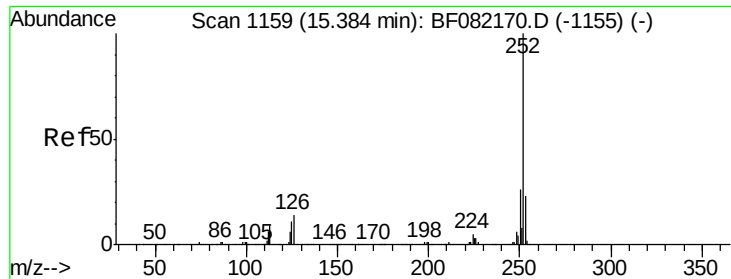
Delta R.T. -0.03 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	10.4	6.7	10.1#

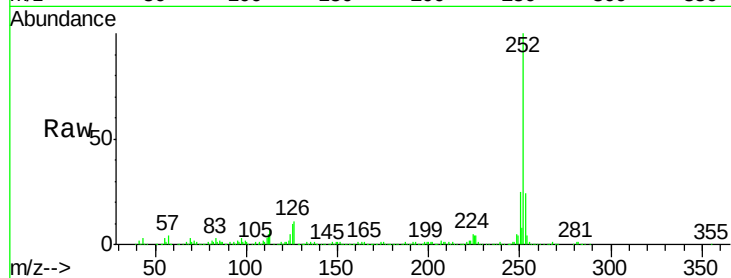




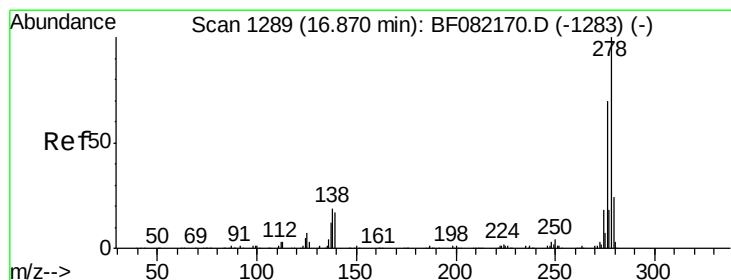
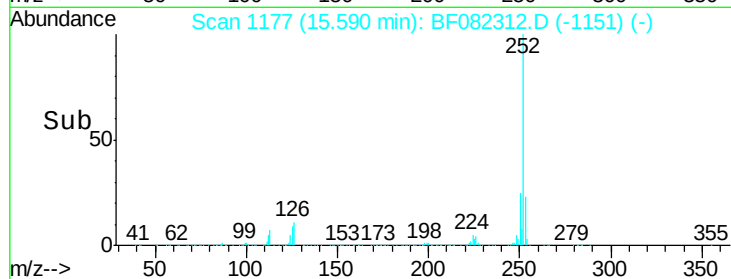
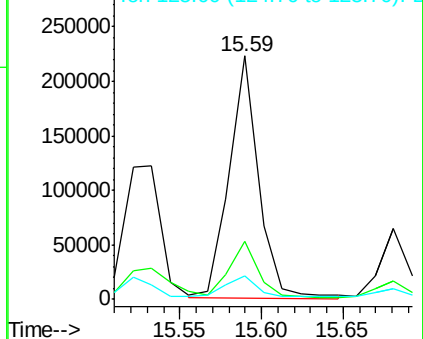
#89
Benzo(a)pyrene
Concen: 25.23 ng
RT: 15.59 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Instrument :
BNA_F
ClientSampleId :
KW-3

Tot Ion:252 Resp: 278169
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.7 8.9 13.3

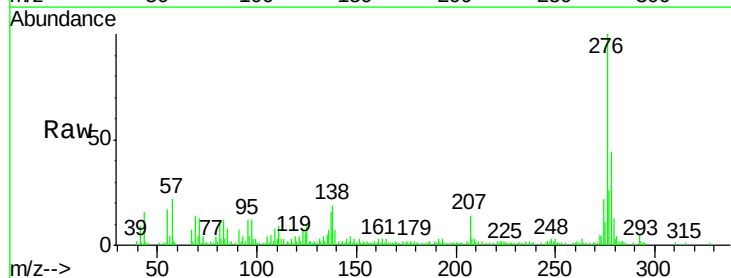


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

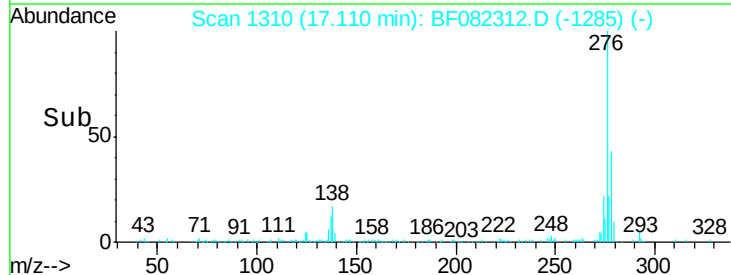
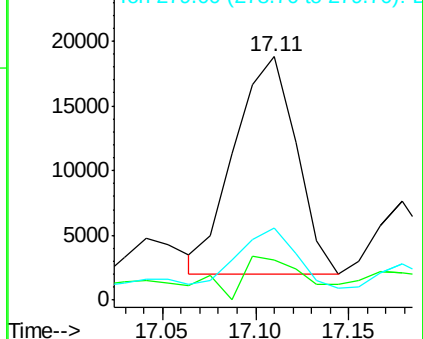


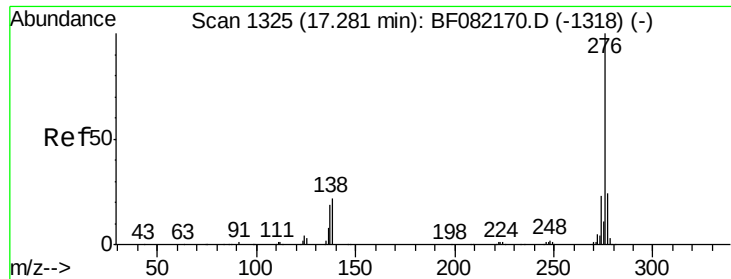
#90
Dibenzo(a,h)anthracene
Concen: 4.27 ng
RT: 17.11 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF082312.D
Acq: 15 Oct 2015 16:36

Tgt Ion:278 Resp: 38575
Ion Ratio Lower Upper
278 100
139 16.5 13.3 19.9
279 29.5 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(a,h,i)perylene

Concen: 14.26 ng

RT: 17.53 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF082312.D

Acq: 15 Oct 2015 16:36

Instrument :

BNA_F

ClientSampleId :

KW-3

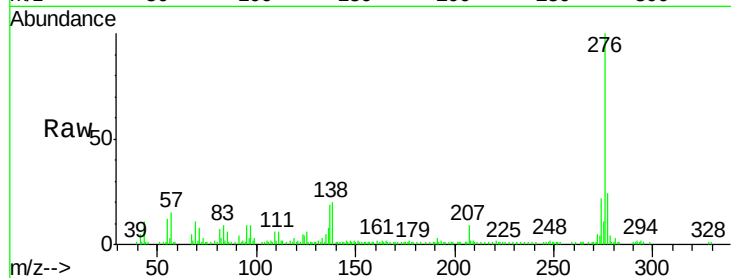
Tot Ion: 276 Resp: 125135

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 20.2 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

