

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082347.D
 Acq On : 17 Oct 2015 2:31
 Operator : UM/IZ
 Sample : G4009-03RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KW-3

Quant Time: Oct 17 04:33:42 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 04:30:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	192357	20.00	ng	0.17
21) Naphthalene-d8	8.24	136	240462	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	128852	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	261206	20.00	ng	0.01
75) Chrysene-d12	14.16	240	227630	20.00	ng	0.02
86) Perylene-d12	15.70	264	207340	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	360821	37.86	ng	0.02
7) Phenol-d6	6.61	99	524277	42.27	ng	0.01
23) Nitrobenzene-d5	7.53	82	311789	87.07	ng	0.01
41) 2,4,6-Tribromophenol	10.79	330	151304	125.21	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	591814	76.17	ng	0.01
78) Terphenyl-d14	13.06	244	560232	65.22	ng	0.01

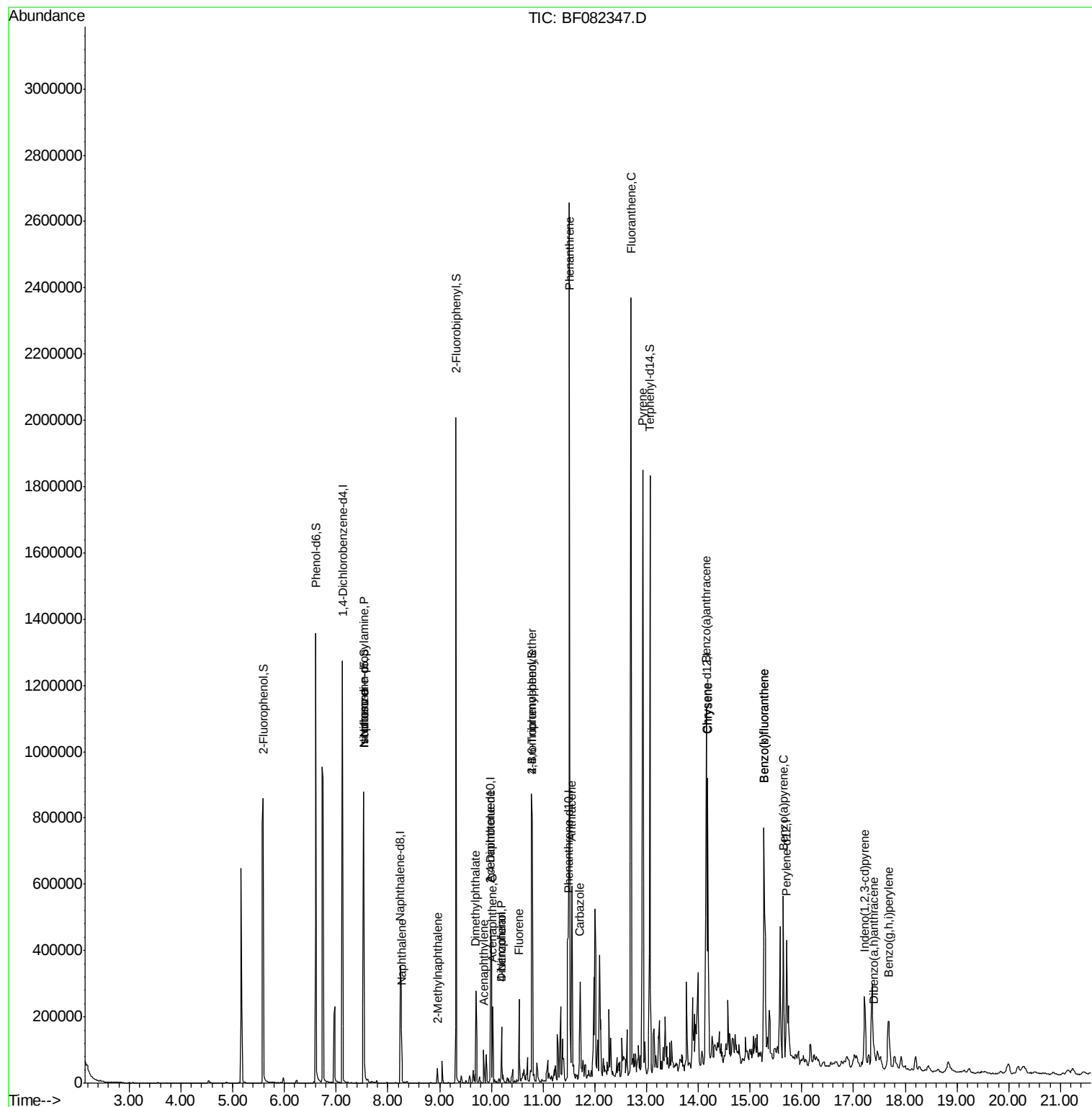
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	41418	4.76	ng	# 79
25) Isophorone	7.53	82	311784	43.14	ng	# 66
31) Naphthalene	8.26	128	70776	6.79	ng	98
37) 2-Methylnaphthalene	8.96	142	20523	2.84	ng	98
48) Acenaphthylene	9.85	152	45436	3.77	ng	98
49) Dimethylphthalate	9.70	163	139188	15.34	ng	100
51) Acenaphthene	10.02	154	51748	7.15	ng	98
54) Dibenzofuran	10.19	168	72789	7.33	ng	99
55) 4-Nitrophenol	10.19	139	26536	24.14	ng	# 12
56) 2,4-Dinitrotoluene	9.99	165	16952	7.08	ng	# 21
57) Fluorene	10.54	166	78622	9.64	ng	100
66) 4-Bromophenyl-phenylether	10.79	248	9975	3.82	ng	# 1
70) Phenanthrene	11.51	178	1039074	81.16	ng	99
71) Anthracene	11.55	178	253238	19.19	ng	99
72) Carbazole	11.71	167	152326	12.66	ng	98
74) Fluoranthene	12.70	202	959433	69.77	ng	98
77) Pyrene	12.93	202	769914	56.99	ng	99
80) Benzo(a)anthracene	14.15	228	478651	40.41	ng	98
82) Chrysene	14.18	228	318273	25.50	ng	98
85) Indeno(1,2,3-cd)pyrene	17.21	276	137478	13.86	ng	95
87) Benzo(b)fluoranthene	15.27	252	564488	44.75	ng	99
88) Benzo(k)fluoranthene	15.27	252	564488	53.24	ng	98
89) Benzo(a)pyrene	15.65	252	266016	24.54	ng	98
90) Dibenzo(a,h)anthracene	17.40	278	30142	3.39	ng	94
91) Benzo(g,h,i)perylene	17.67	276	119398	13.83	ng	98

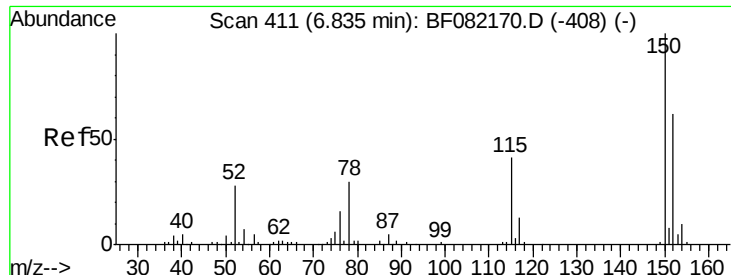
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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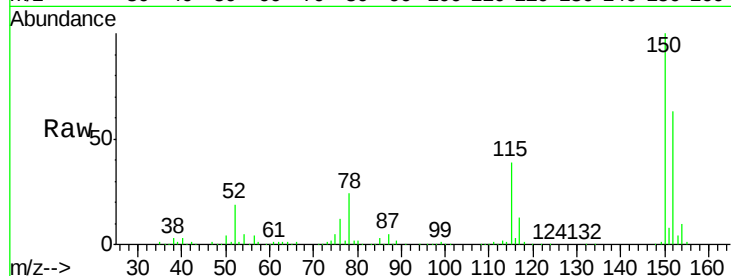


#1

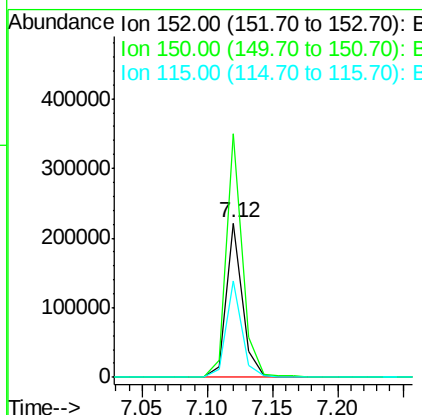
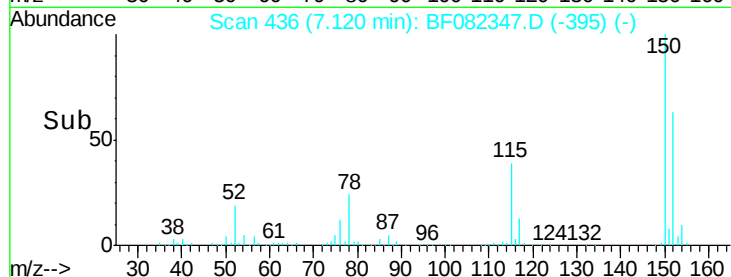
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.12 min Scan# 436
Delta R.T. 0.17 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

Instrument :
BNA_F
ClientSampleId :
KW-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	129.0	193.4
115	62.3	52.1	78.1



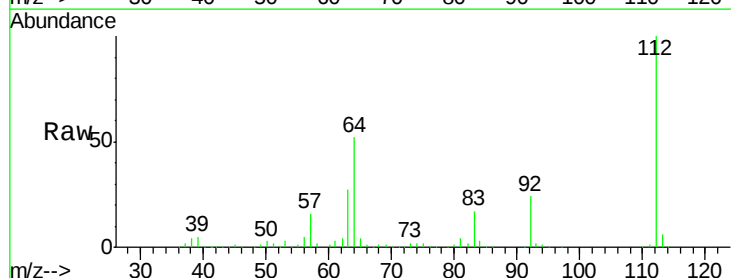
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



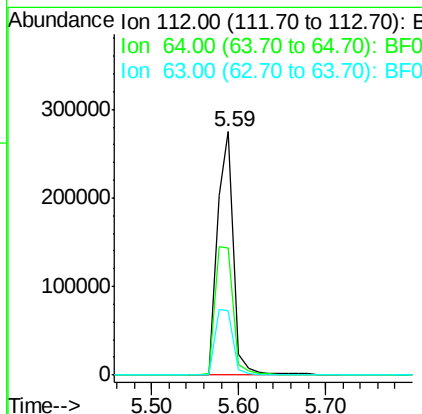
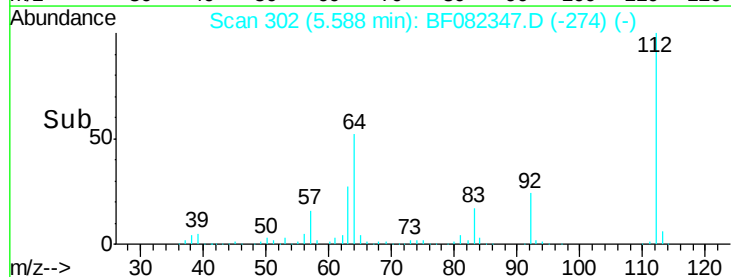
#5

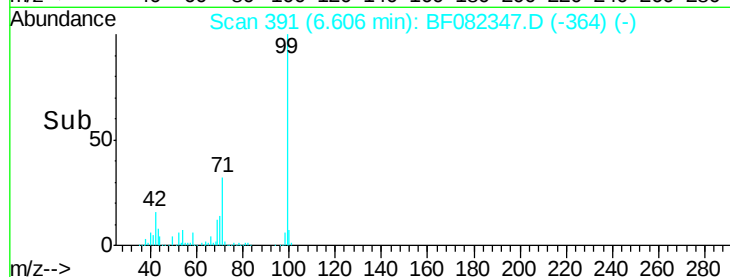
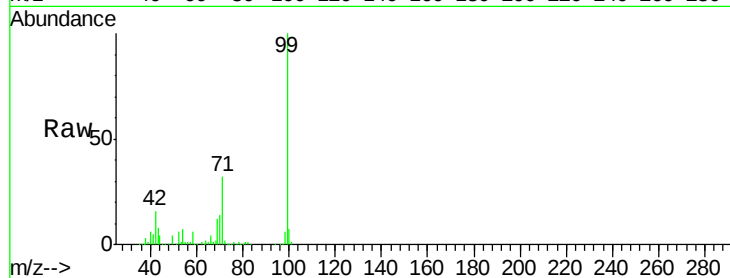
2-Fluorophenol
Concen: 37.86 ng
RT: 5.59 min Scan# 302
Delta R.T. 0.02 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	48.6	73.0
63	26.7	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: 42.27 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

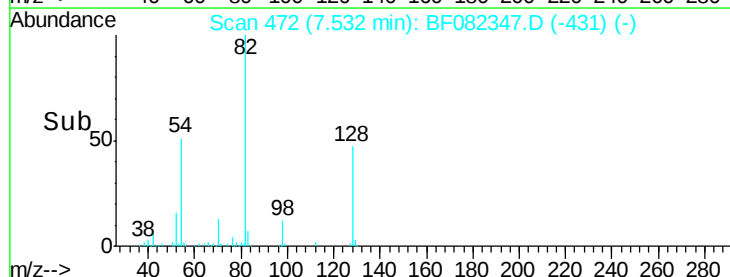
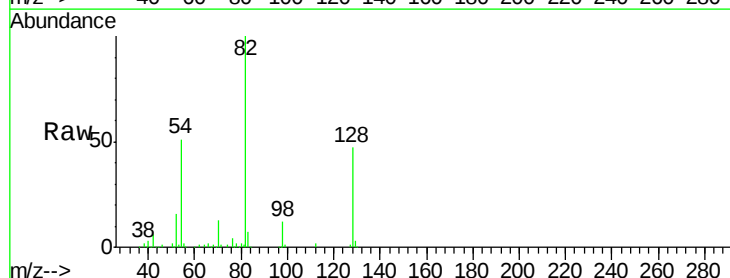
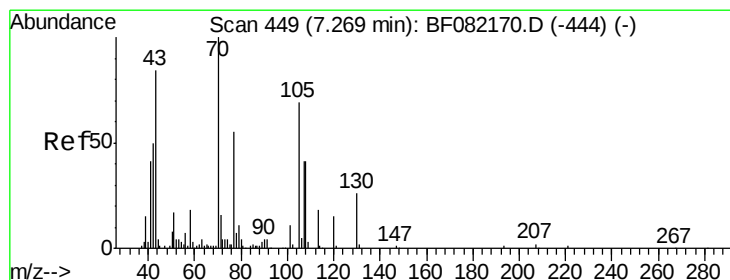
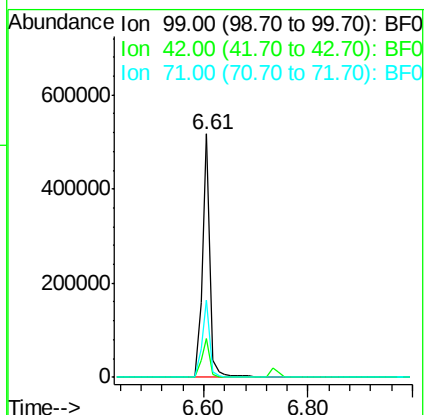
Tot Ion: 99 Resp: 524277

Ion Ratio Lower Upper

99 100

42 15.9 13.2 19.8

71 31.7 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.76 ng

RT: 7.53 min Scan# 472

Delta R.T. 0.17 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Tgt Ion: 70 Resp: 41418

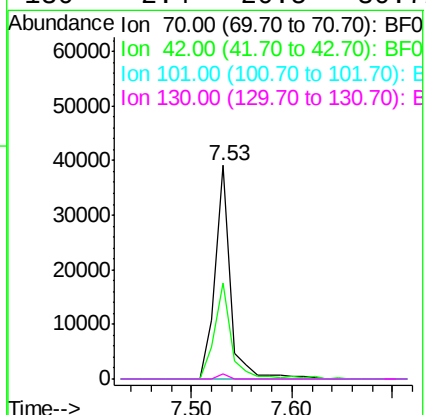
Ion Ratio Lower Upper

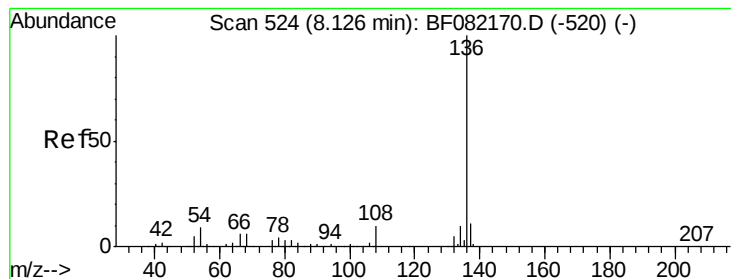
70 100

42 44.7 39.8 59.8

101 0.0 8.6 13.0#

130 2.4 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

Tot Ion:136 Resp: 240462

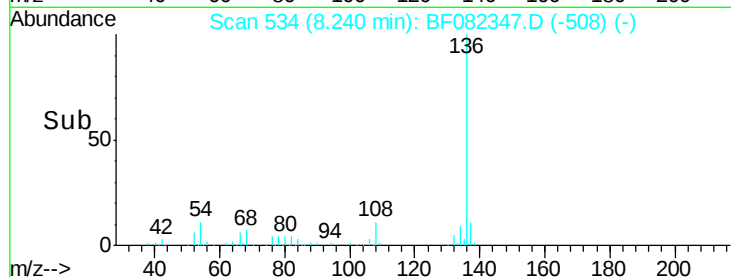
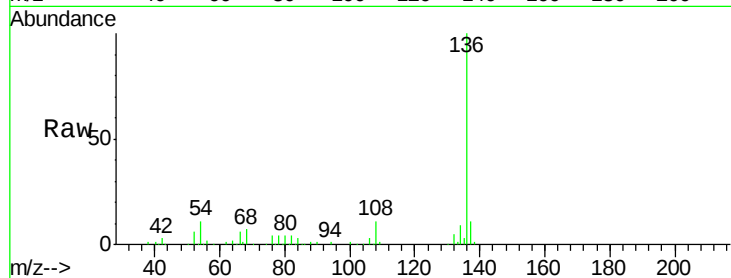
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 11.3 7.5 11.3#

68 7.2 4.6 7.0#

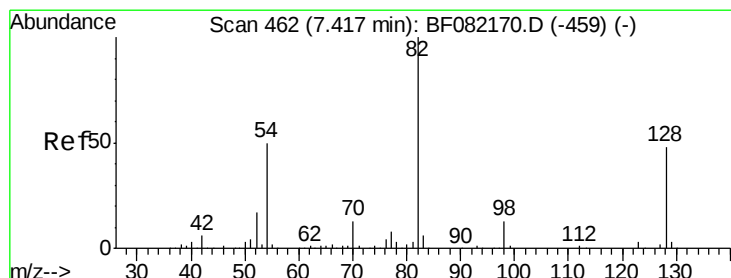
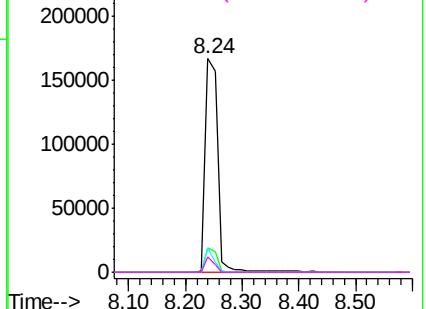


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.07 ng

RT: 7.53 min Scan# 472

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

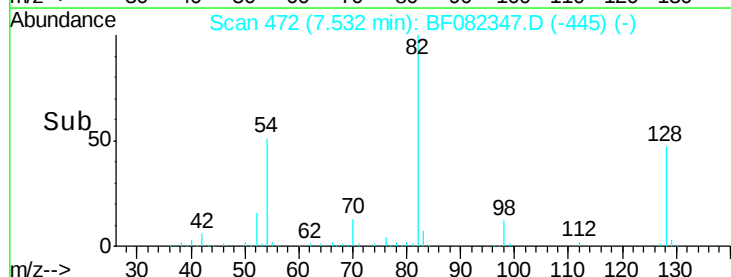
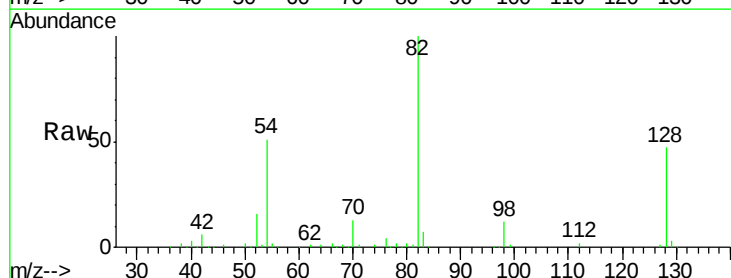
Tgt Ion: 82 Resp: 311789

Ion Ratio Lower Upper

82 100

128 46.8 38.7 58.1

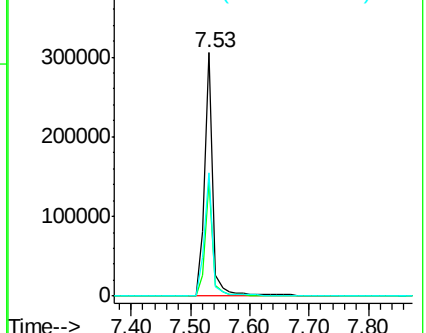
54 50.8 40.1 60.1



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





#25

Isophorone

Concen: 43.14 ng

RT: 7.53 min Scan# 472

Delta R.T. -0.24 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

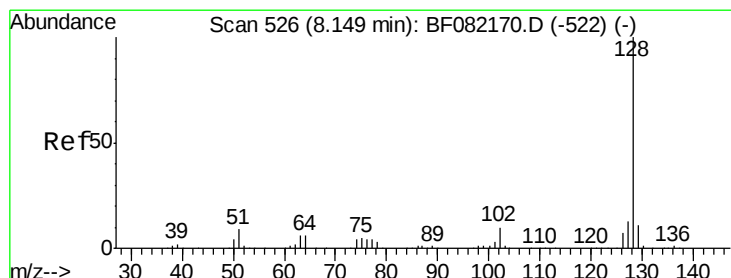
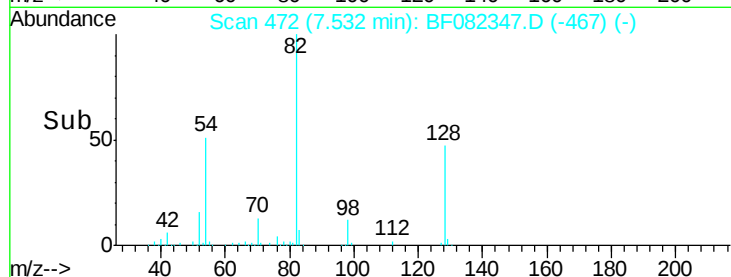
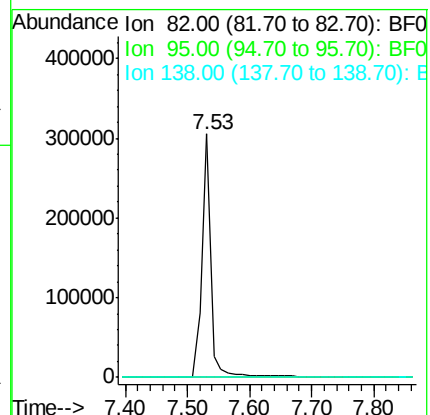
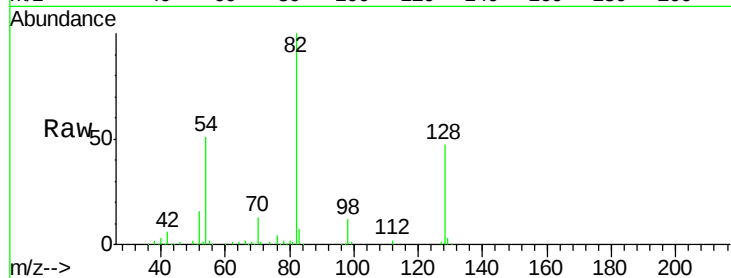
Tot Ion: 82 Resp: 311784

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#31

Naphthalene

Concen: 6.79 ng

RT: 8.26 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

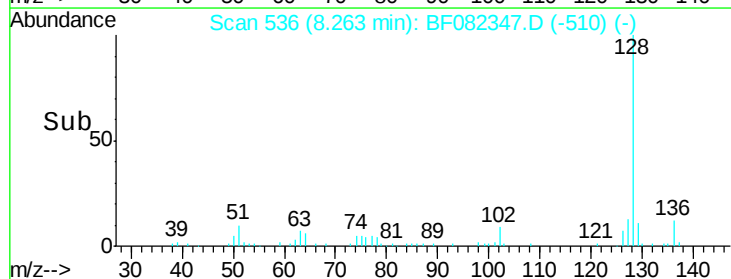
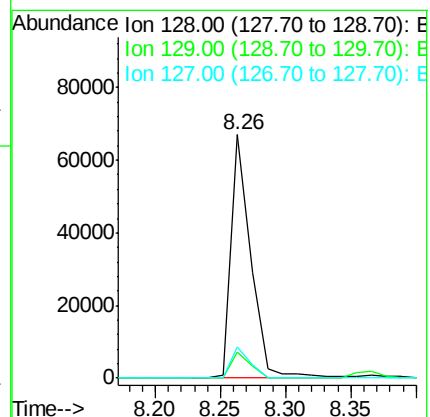
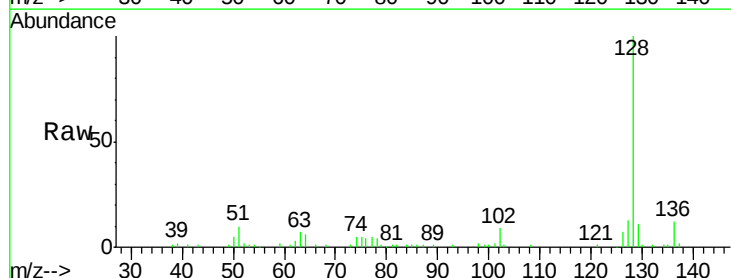
Tgt Ion: 128 Resp: 70776

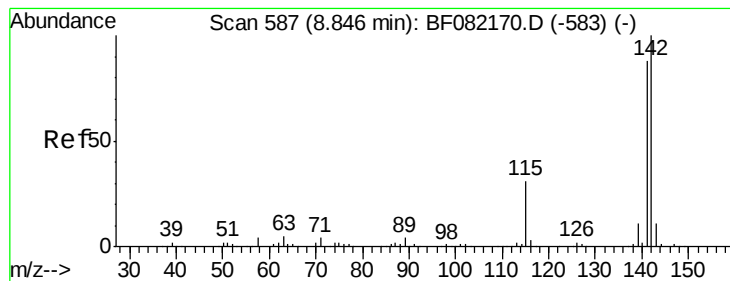
Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

127 12.8 10.7 16.1

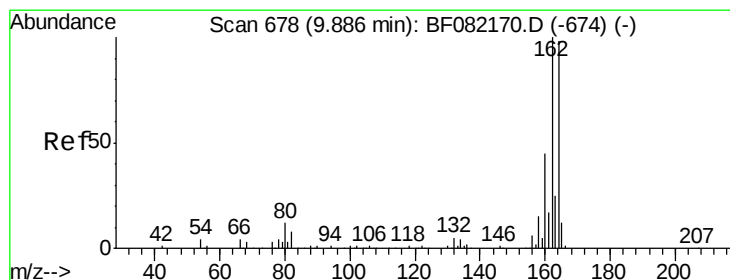
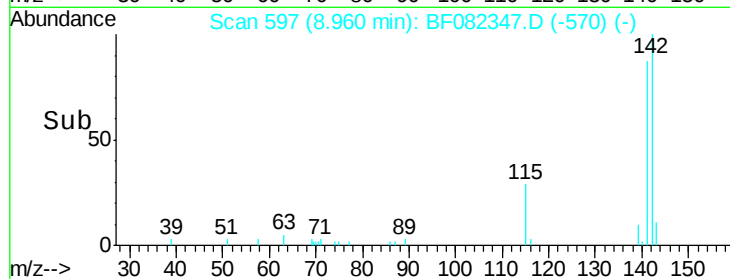
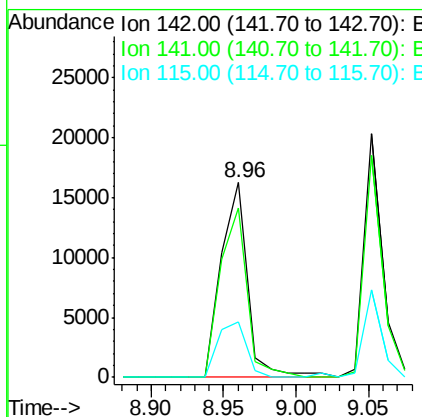
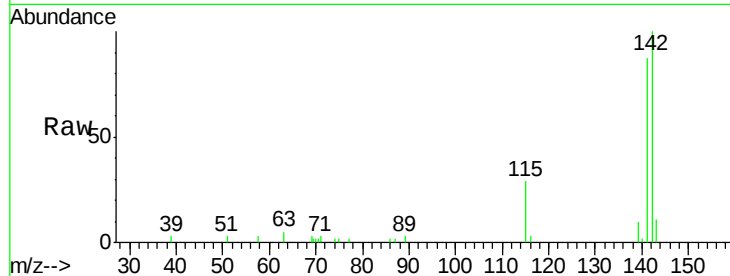




#37
 2-Methylnaphthalene
 Concen: 2.84 ng
 RT: 8.96 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

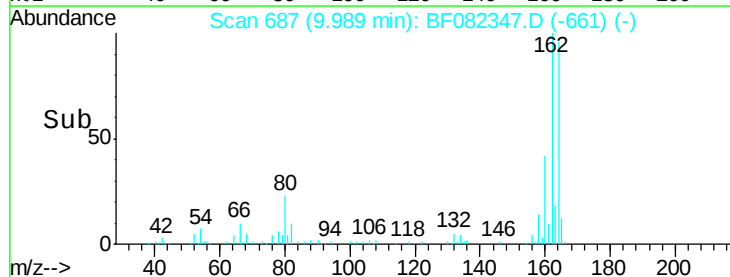
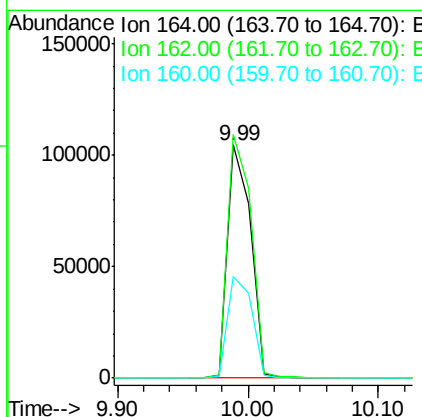
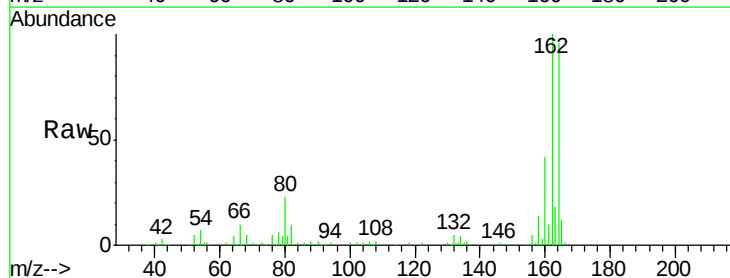
Instrument :
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 KW-3

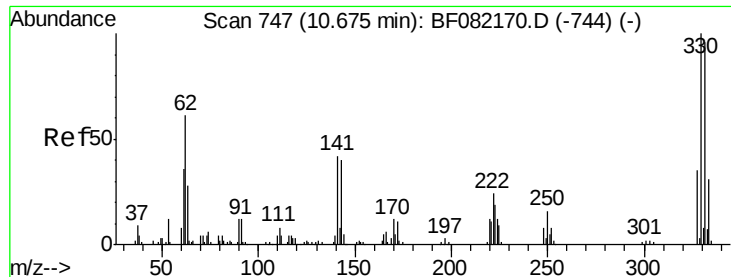
Tot Ion:142 Resp: 20523
 Ion Ratio Lower Upper
 142 100
 141 87.3 70.4 105.6
 115 28.6 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

Tgt Ion:164 Resp: 128852
 Ion Ratio Lower Upper
 164 100
 162 104.5 81.6 122.4
 160 43.6 36.4 54.6

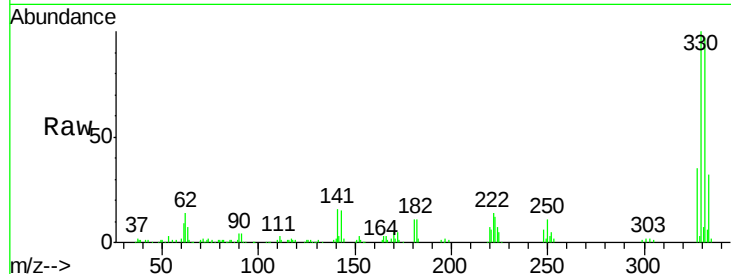




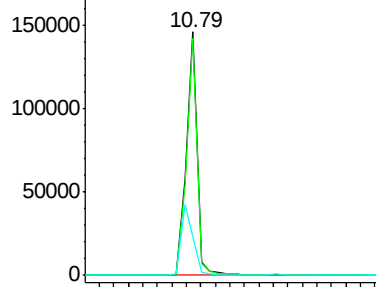
#41
 2,4,6-Tribromophenol
 Concen: 125.21 ng
 RT: 10.79 min Scan# 757
 Delta R.T. 0.01 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 KW-3

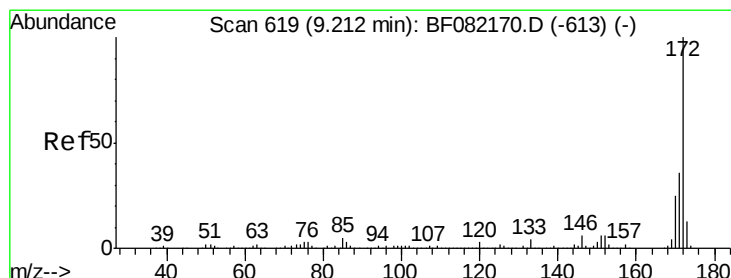
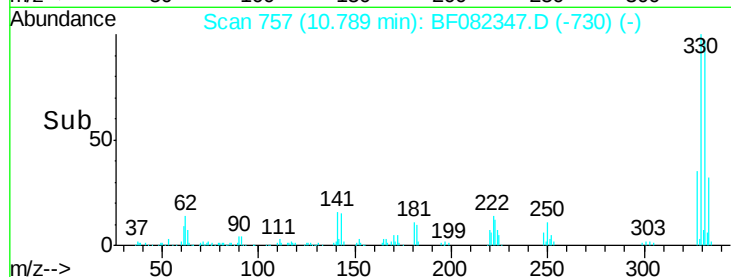
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.1	115.7
141	32.4	29.8	44.8



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

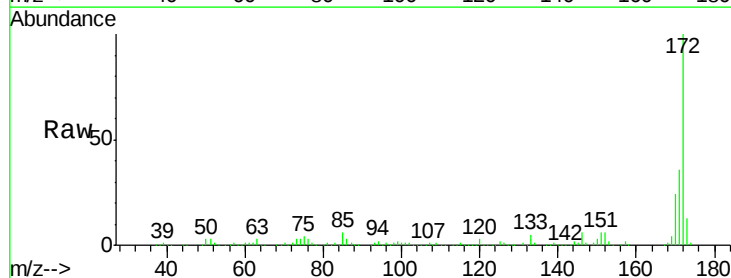


Time-->

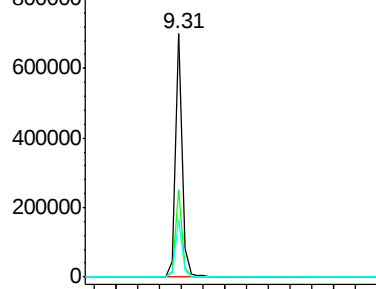


#44
 2-Fluorobiphenyl
 Concen: 76.17 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

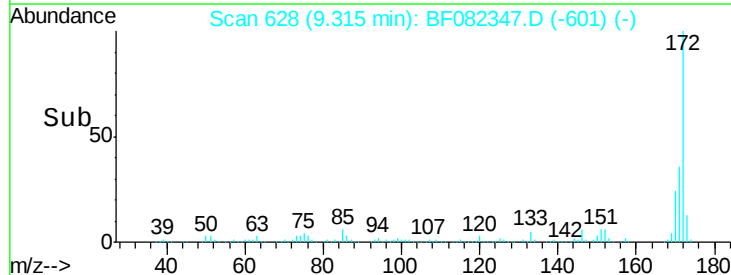
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	24.1	19.7	29.5

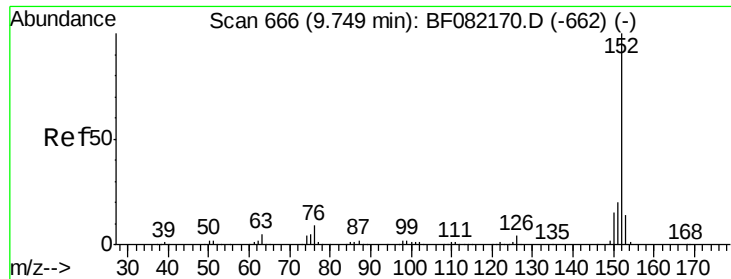


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





#48

Acenaphthylene

Concen: 3.77 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

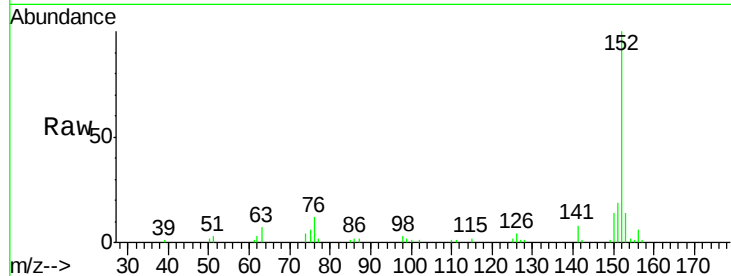
Tot Ion:152 Resp: 45436

Ion Ratio Lower Upper

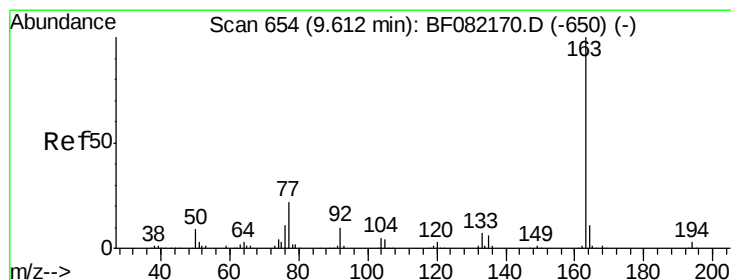
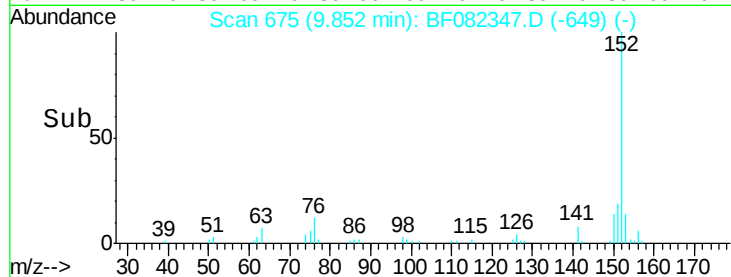
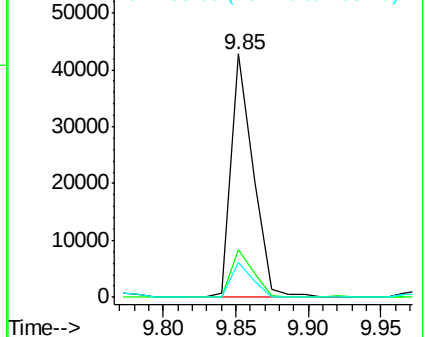
152 100

151 19.4 16.4 24.6

153 14.2 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: 15.34 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

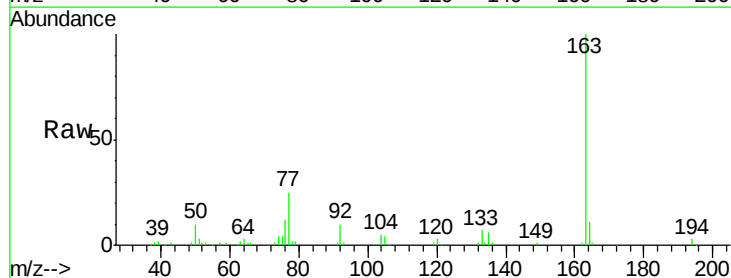
Tgt Ion:163 Resp: 139188

Ion Ratio Lower Upper

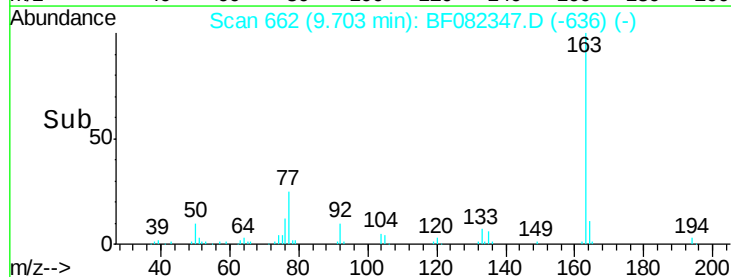
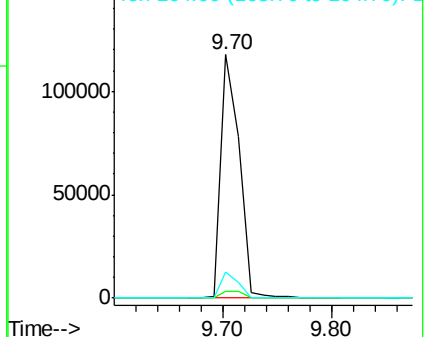
163 100

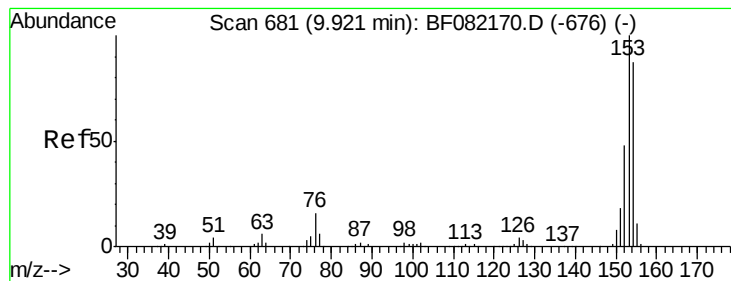
194 2.9 2.6 4.0

164 10.7 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: 7.15 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

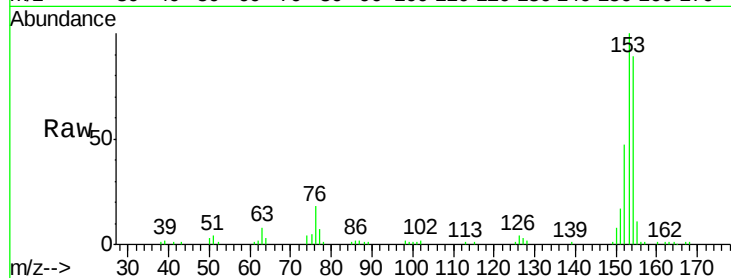
Tot Ion:154 Resp: 51748

Ion Ratio Lower Upper

154 100

153 112.8 91.4 137.2

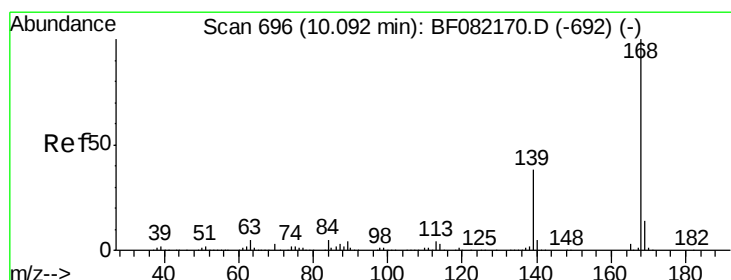
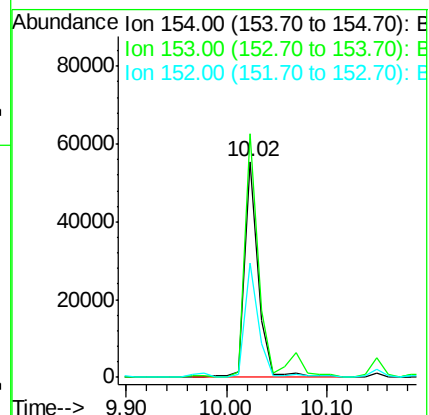
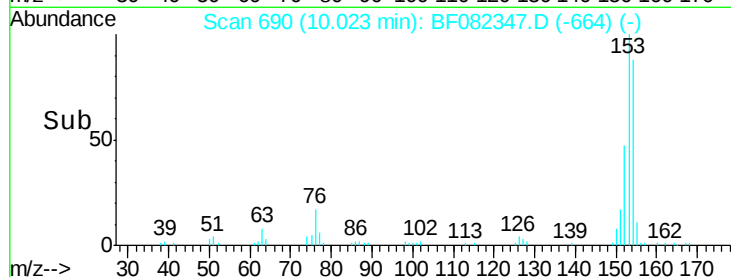
152 53.0 44.3 66.5



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: 7.33 ng

RT: 10.19 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

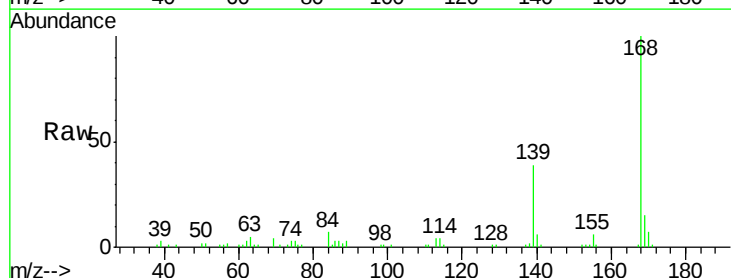
Tgt Ion:168 Resp: 72789

Ion Ratio Lower Upper

168 100

139 39.2 31.0 46.6

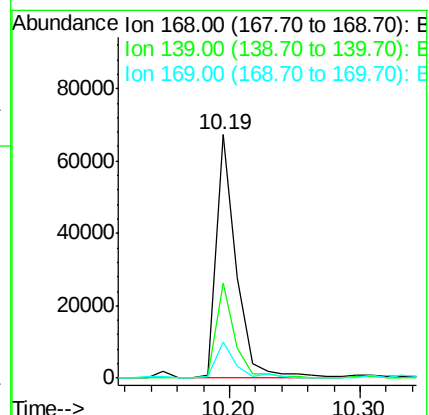
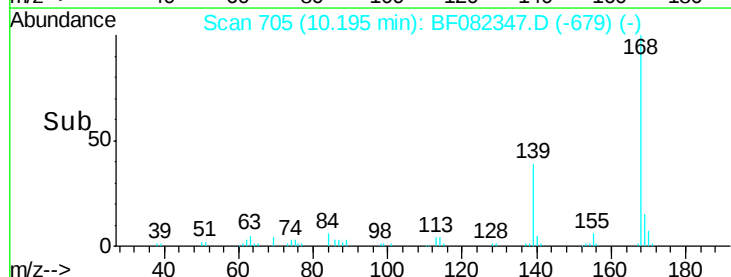
169 14.8 10.9 16.3

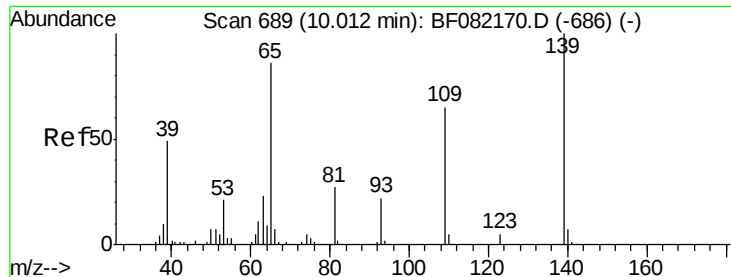


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 24.14 ng

RT: 10.19 min Scan# 705

Delta R.T. 0.08 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

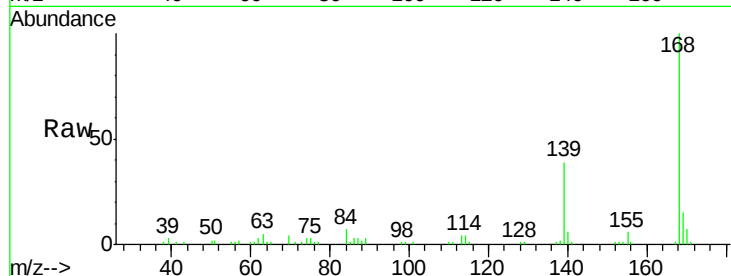
Tot Ion:139 Resp: 26536

Ion Ratio Lower Upper

139 100

109 0.0 44.8 84.8#

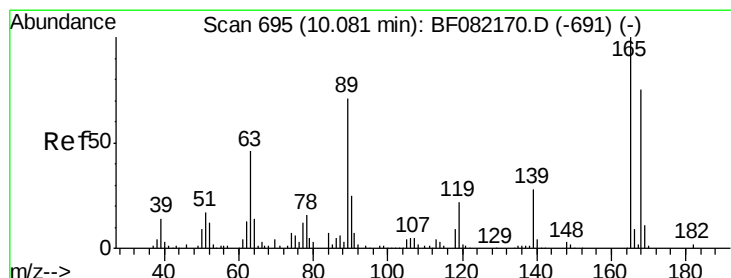
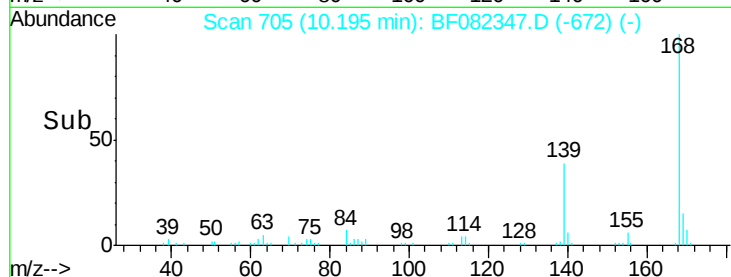
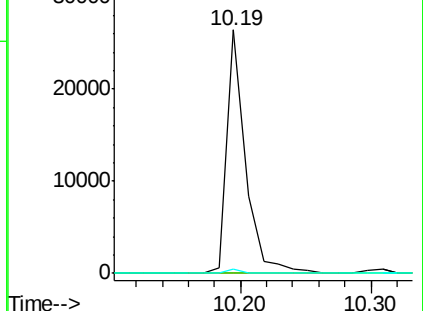
65 1.8 67.7 107.7#



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: 7.08 ng

RT: 9.99 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Tgt Ion:165 Resp: 16952

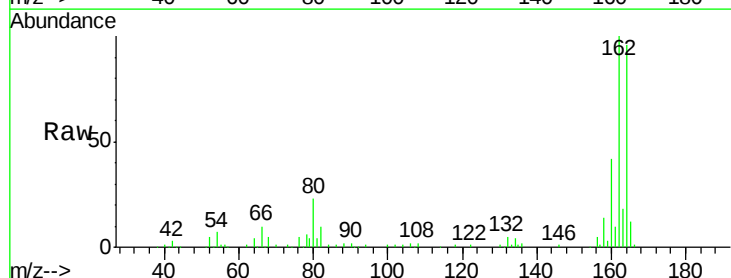
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

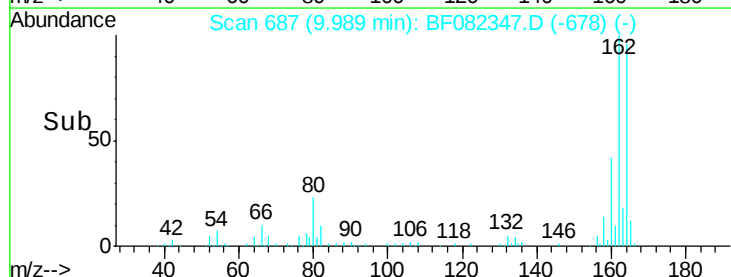
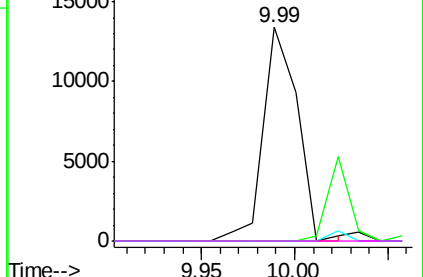


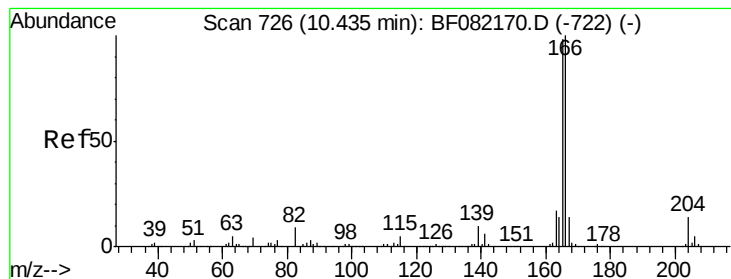
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 9.64 ng

RT: 10.54 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampled :

KW-3

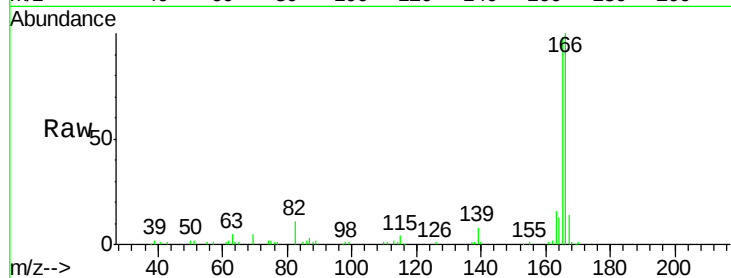
Tot Ion:166 Resp: 78622

Ion Ratio Lower Upper

166 100

165 98.1 78.3 117.5

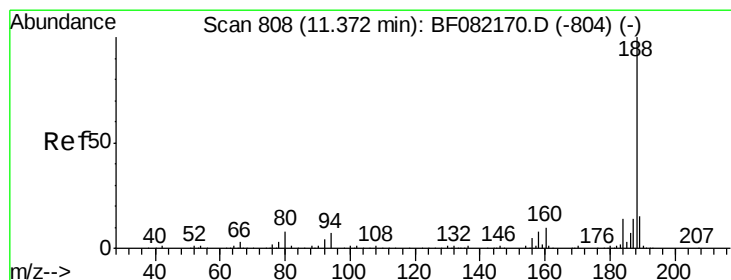
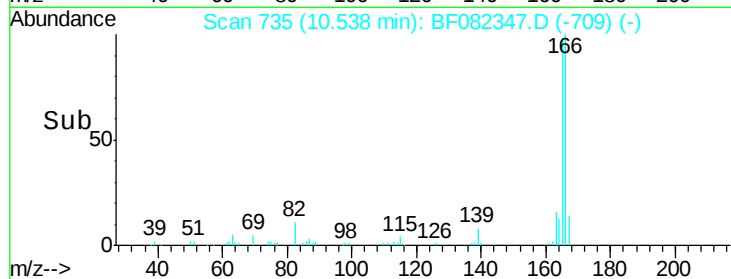
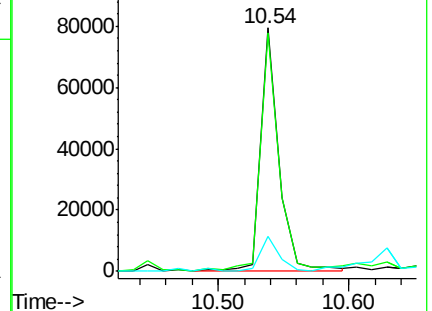
167 14.3 10.8 16.2



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: 11.49 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

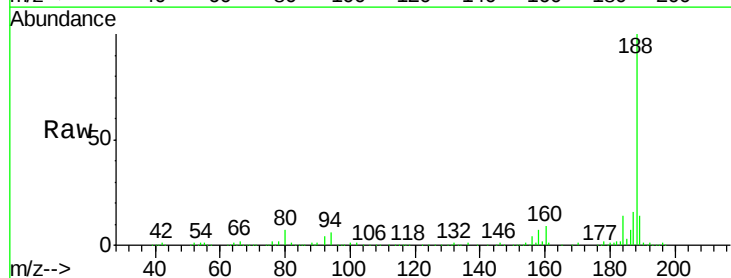
Tgt Ion:188 Resp: 261206

Ion Ratio Lower Upper

188 100

94 5.8 5.8 8.6

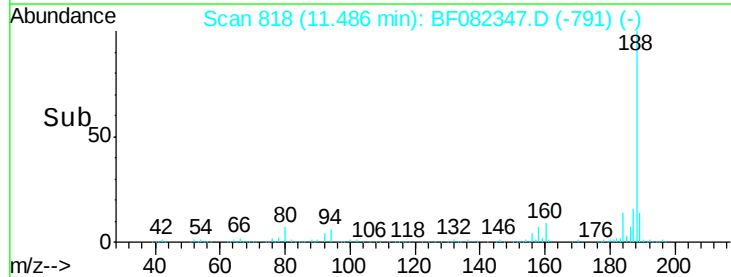
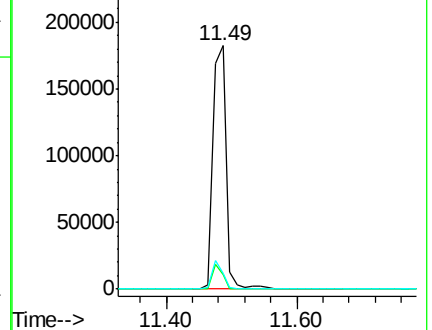
80 6.5 6.4 9.6

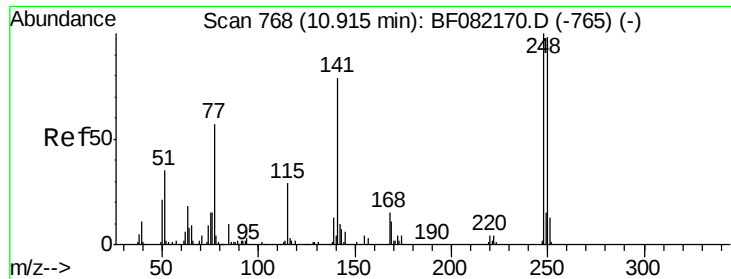


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

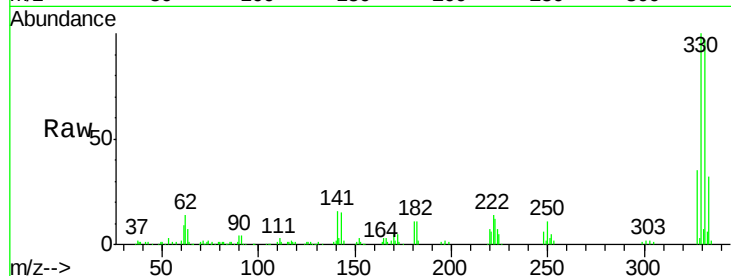




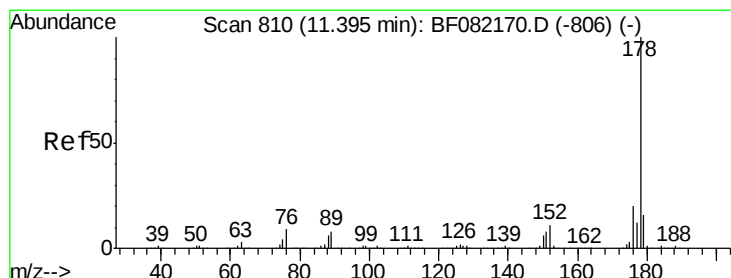
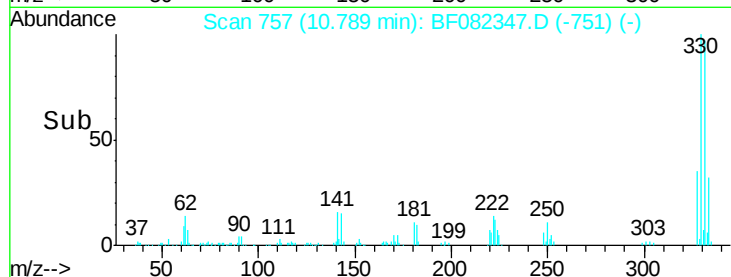
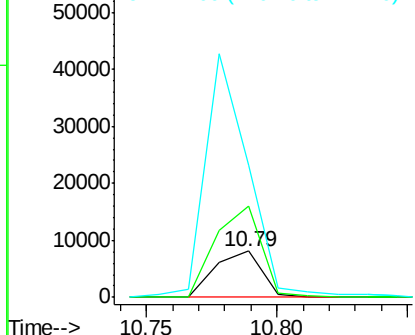
#66
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 10.79 min Scan# 757
Delta R.T. -0.23 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

Instrument :
BNA_F
ClientSampled :
KW-3

Tot Ion:248 Resp: 9975
Ion Ratio Lower Upper
248 100
250 197.4 78.6 117.8#
141 288.1 63.3 94.9#

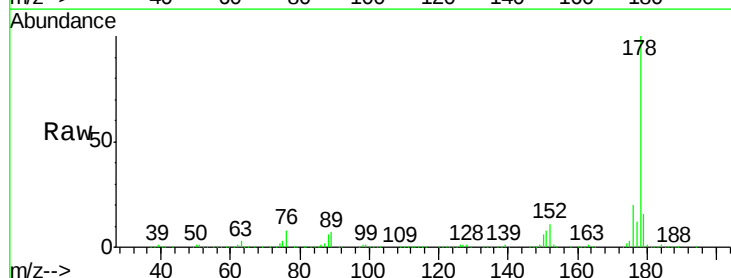


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

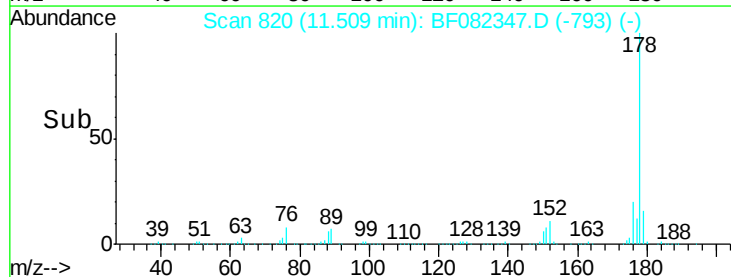
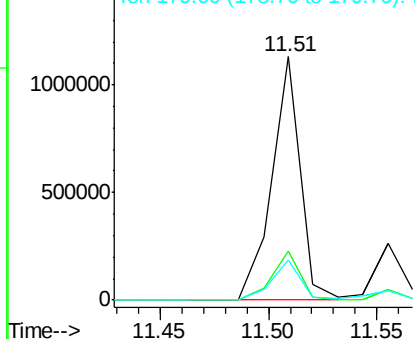


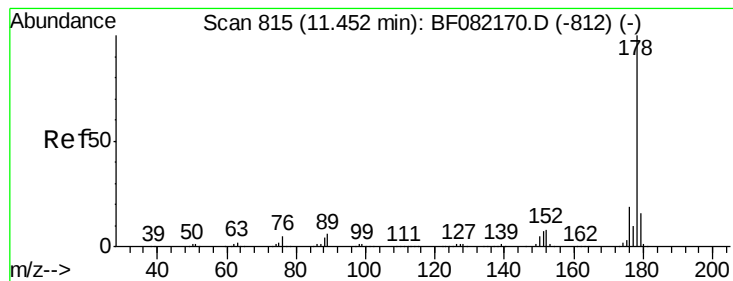
#70
Phenanthrene
Concen: 81.16 ng
RT: 11.51 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

Tgt Ion:178 Resp: 1039074
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.3 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: 19.19 ng

RT: 11.55 min Scan# 824

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

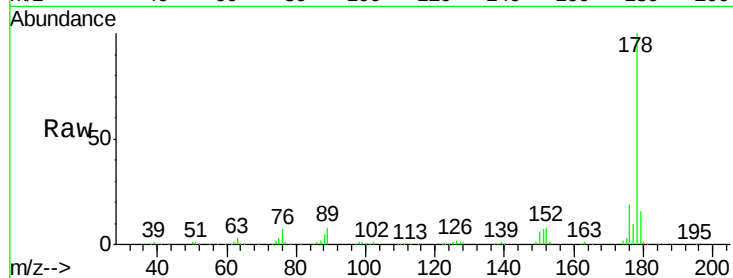
Tot Ion:178 Resp: 253238

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

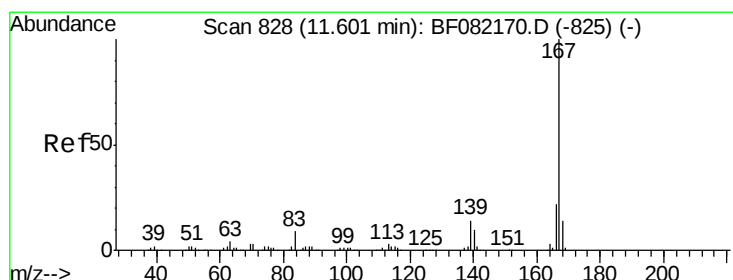
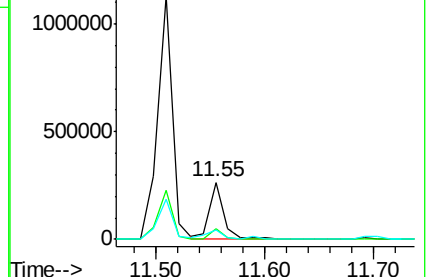
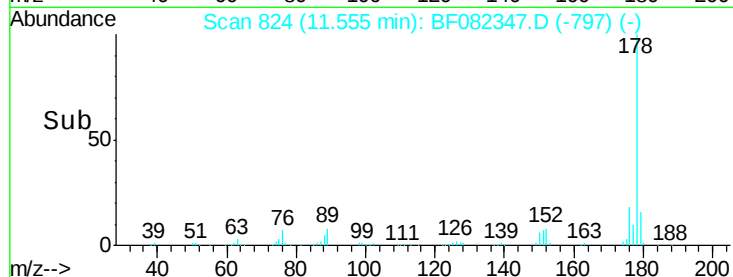
179 15.9 12.5 18.7



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: 12.66 ng

RT: 11.71 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

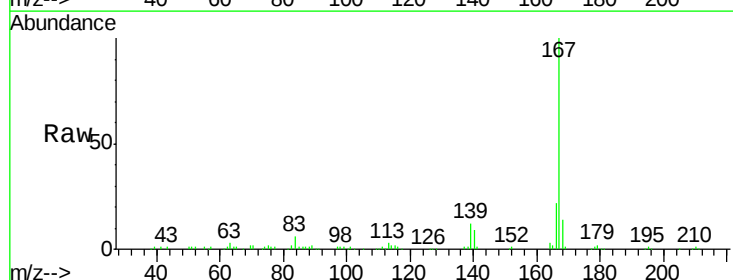
Tgt Ion:167 Resp: 152326

Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

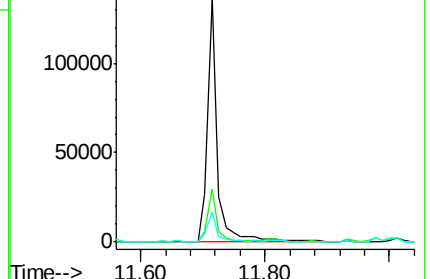
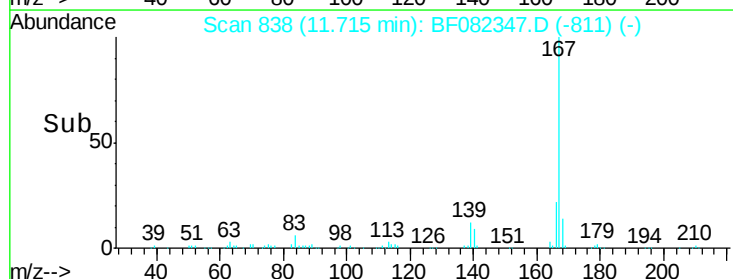
139 12.1 11.2 16.8

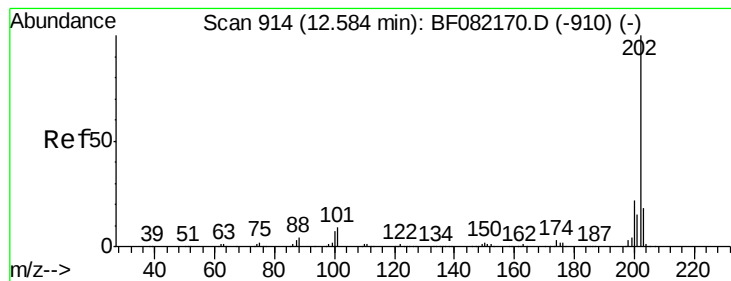


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

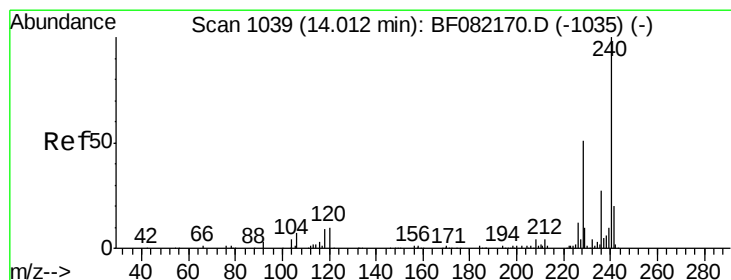
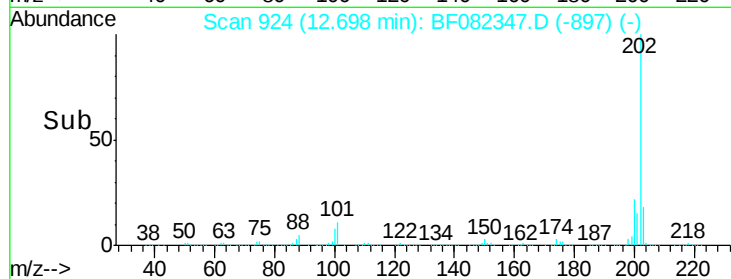
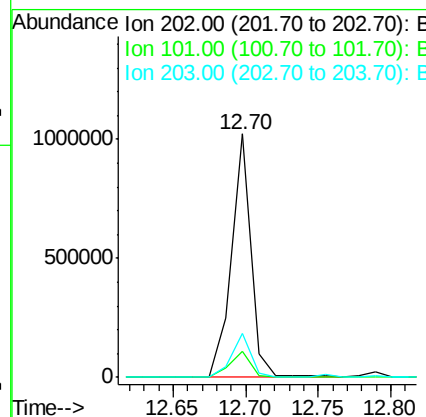
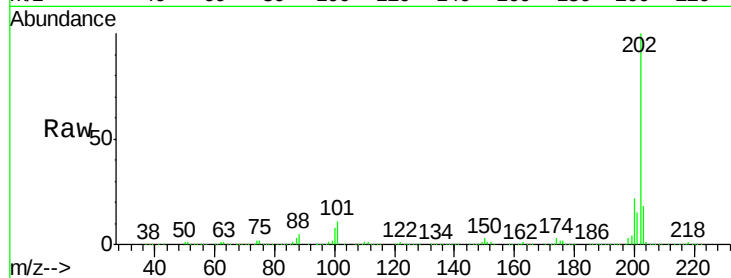




#74
 Fluoranthene
 Concen: 69.77 ng
 RT: 12.70 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

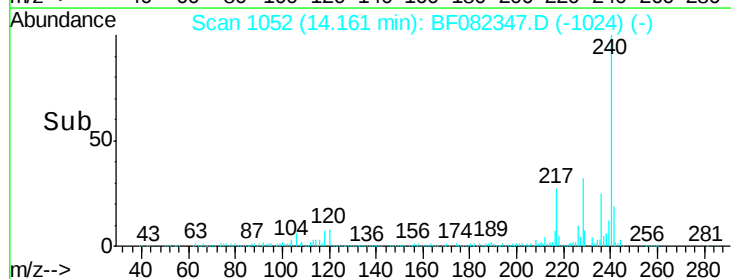
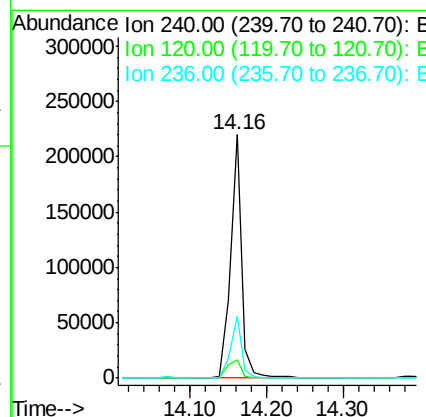
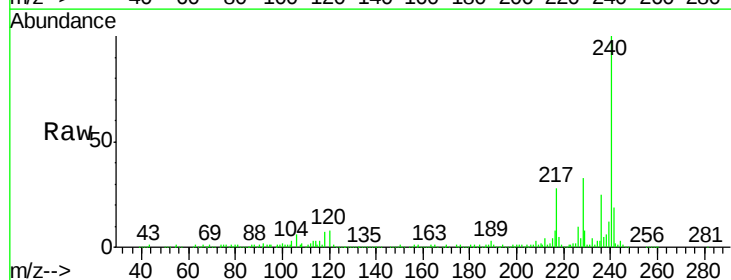
Instrument :
 BNA_F
 ClientSampled :
 KW-3

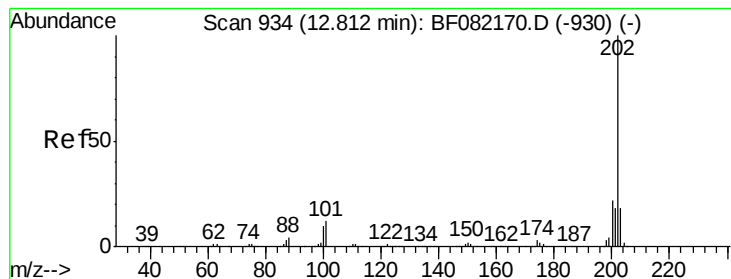
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	29.3
203	18.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.16 min Scan# 1052
 Delta R.T. 0.02 min
 Lab File: BF082347.D
 Acq: 17 Oct 2015 2:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.7	8.1	12.1#
236	25.3	21.3	31.9





#77

Pvrene

Concen: 56.99 ng

RT: 12.93 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

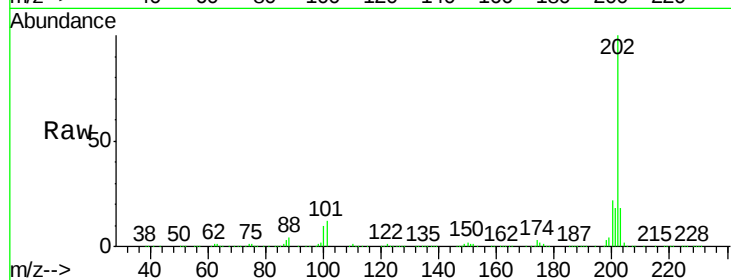
Tot Ion:202 Resp: 769914

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

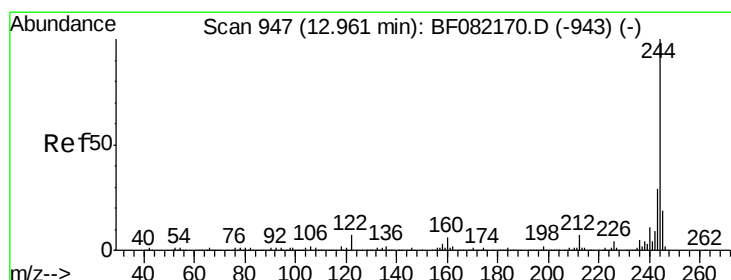
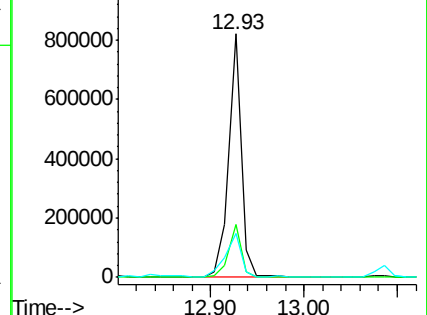
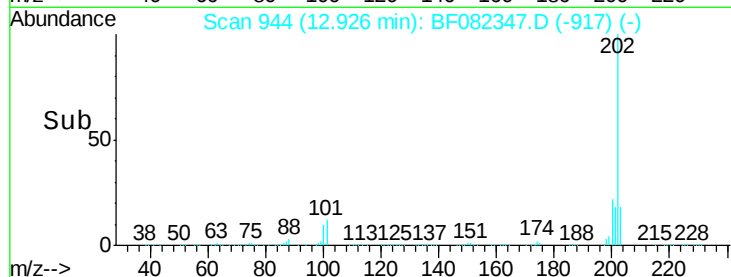
203 18.1 14.5 21.7



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: 65.22 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

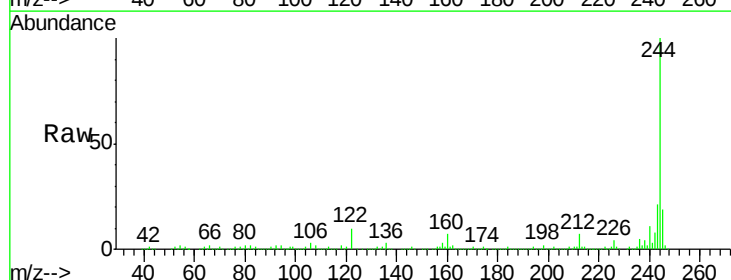
Tgt Ion:244 Resp: 560232

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

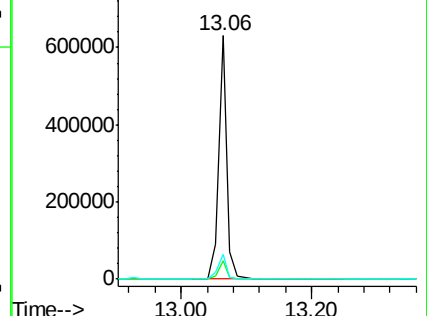
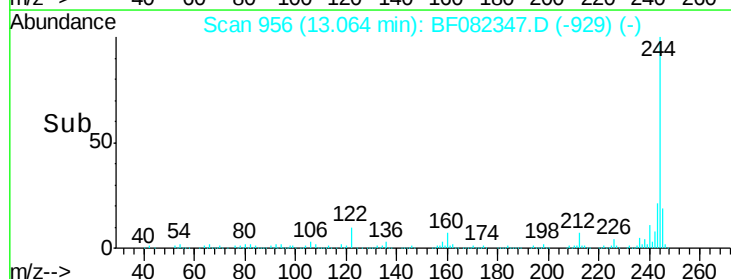
122 10.0 5.9 8.9#

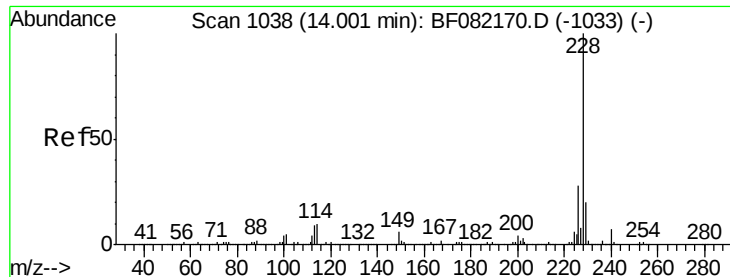


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 40.41 ng

RT: 14.15 min Scan# 1051

Delta R.T. 0.02 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

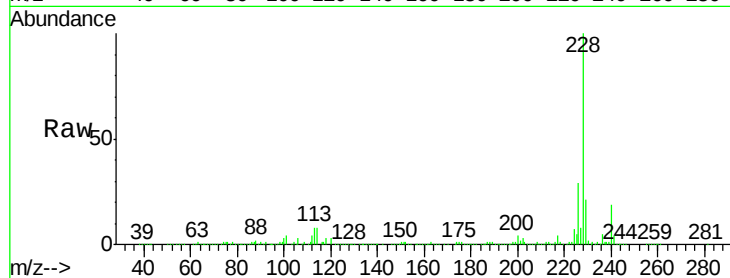
BNA_F

ClientSampleId :

KW-3

Tot Ion:228 Resp: 478651

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.3	33.5
229	20.5	16.2	24.2

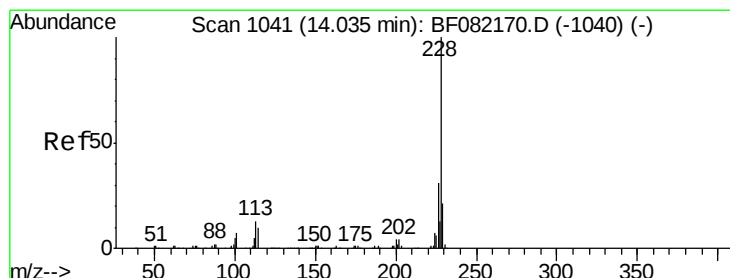
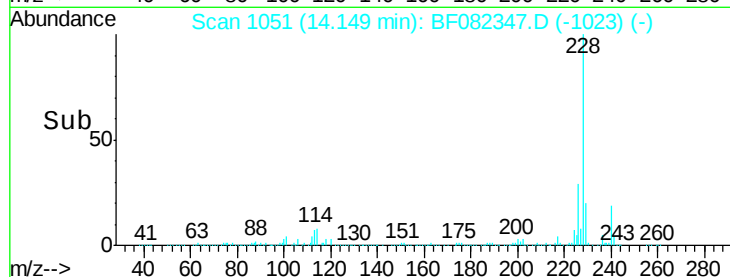
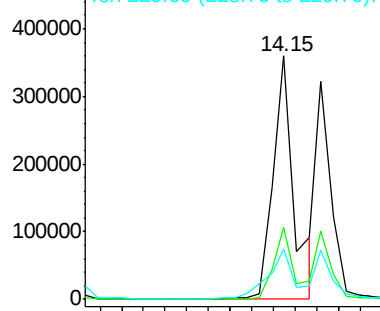


Abundance

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: 25.50 ng

RT: 14.18 min Scan# 1054

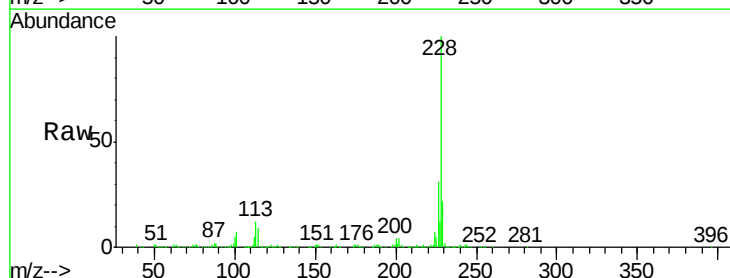
Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Tgt Ion:228 Resp: 318273

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	22.2	16.3	24.5

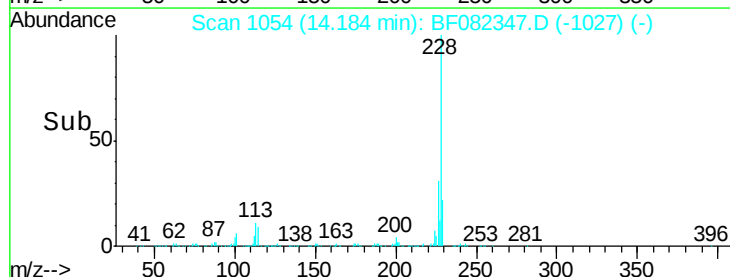
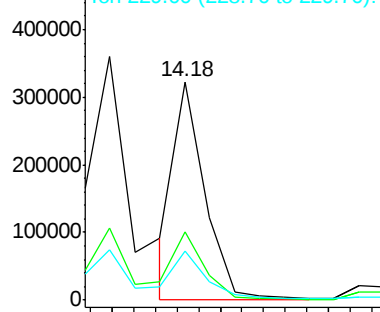


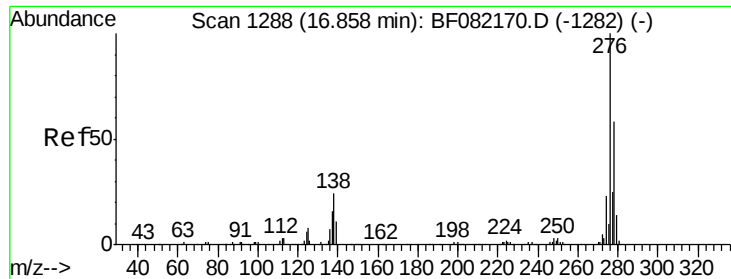
Abundance

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: 13.86 ng

RT: 17.21 min Scan# 1319

Delta R.T. 0.03 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

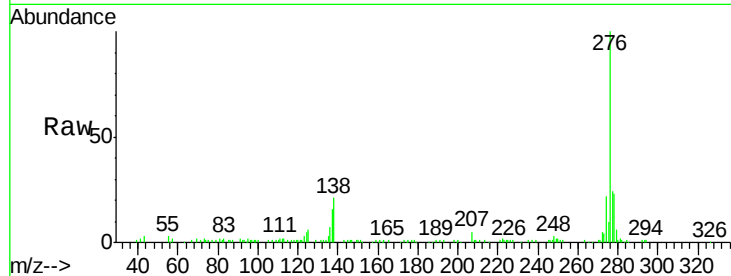
Tot Ion:276 Resp: 137478

Ion Ratio Lower Upper

276 100

138 21.2 19.7 29.5

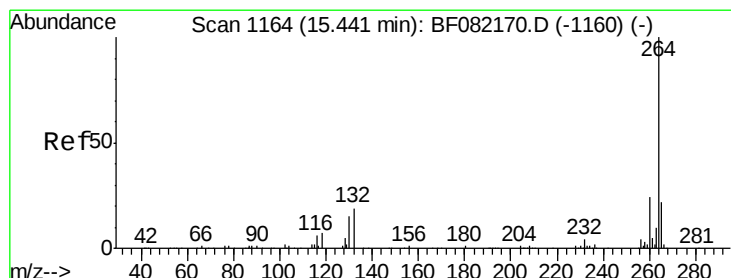
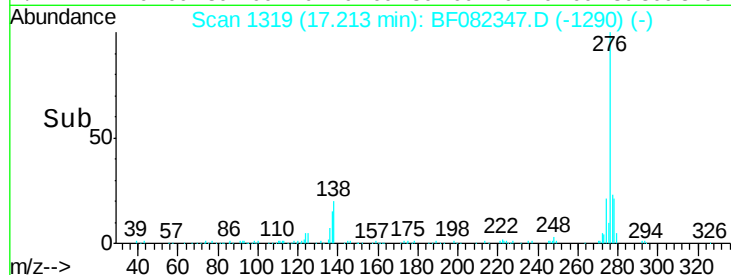
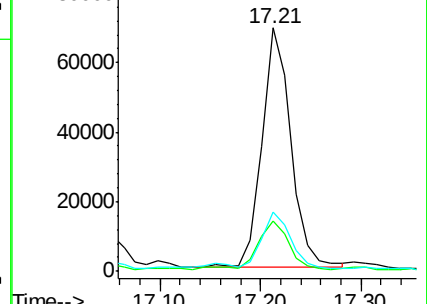
277 23.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.70 min Scan# 1187

Delta R.T. 0.03 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

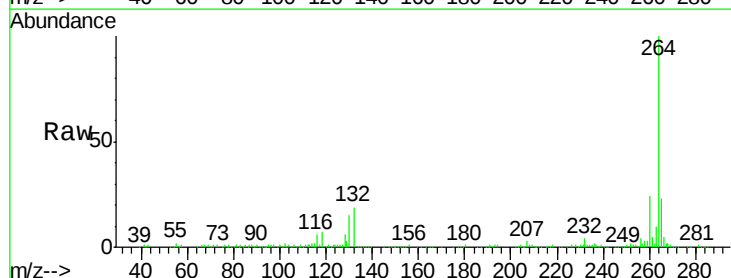
Tgt Ion:264 Resp: 207340

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

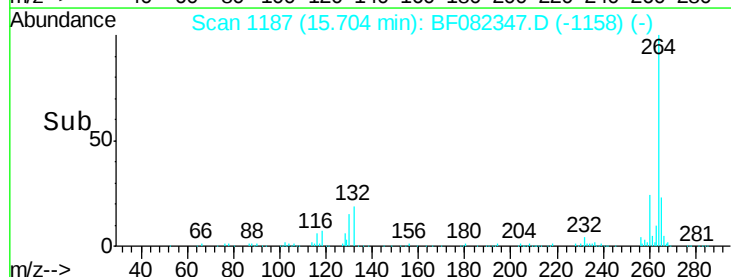
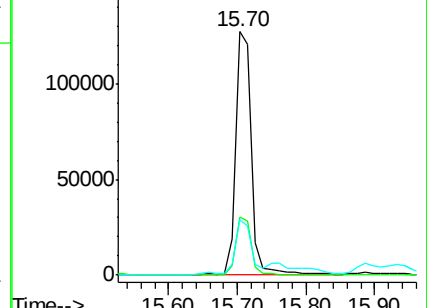
265 22.8 17.3 25.9

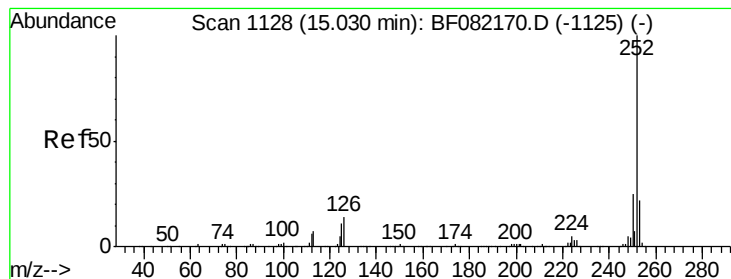


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 44.75 ng

RT: 15.27 min Scan# 1149

Delta R.T. 0.03 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

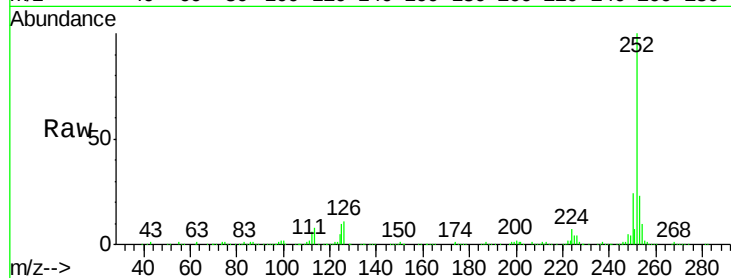
Tot Ion:252 Resp: 564488

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

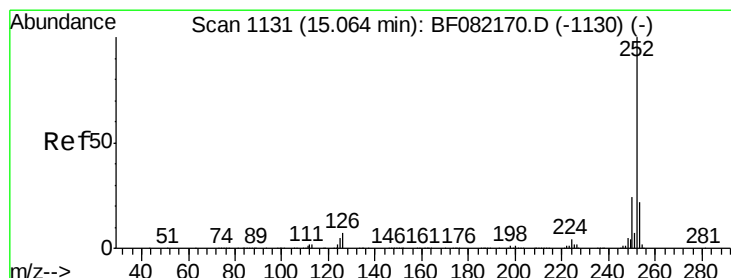
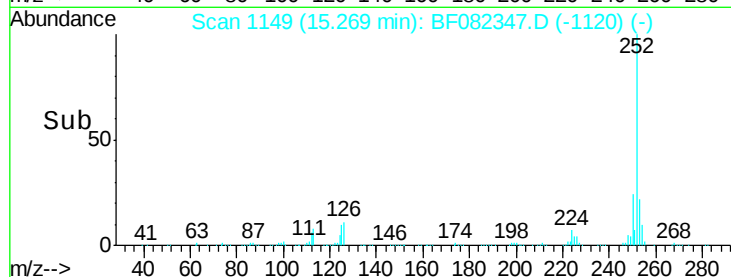
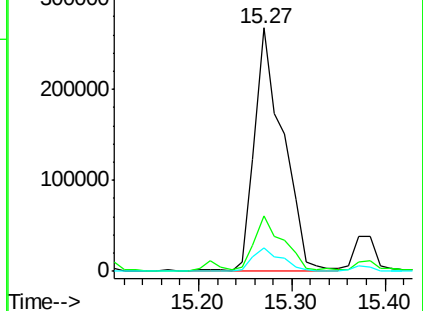
125 9.7 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 53.24 ng

RT: 15.27 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

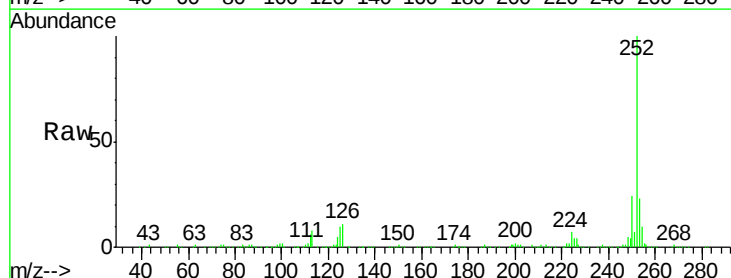
Tgt Ion:252 Resp: 564488

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

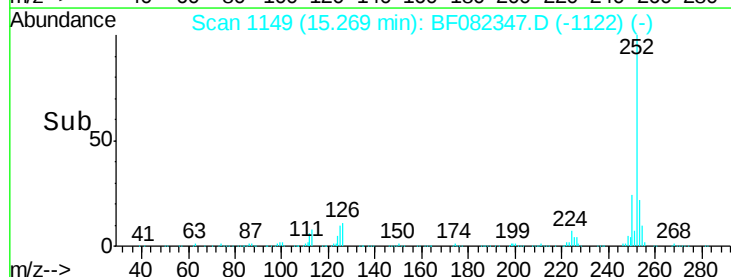
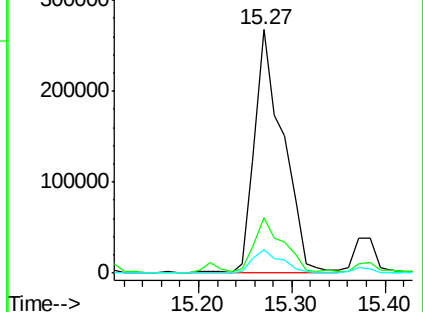
125 9.7 6.7 10.1

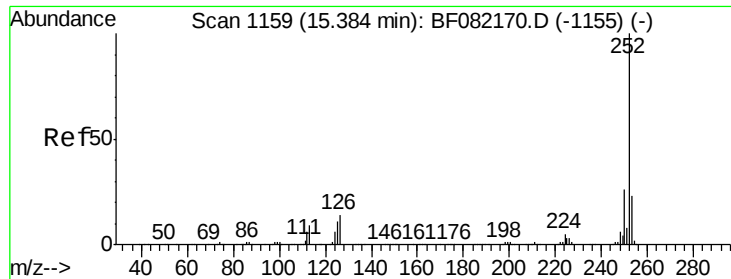


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

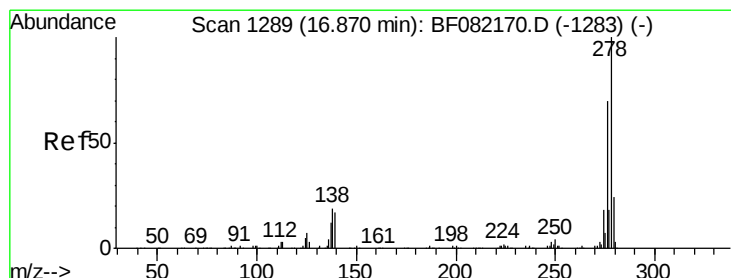
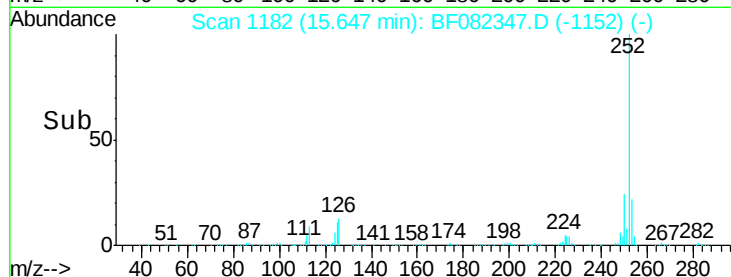
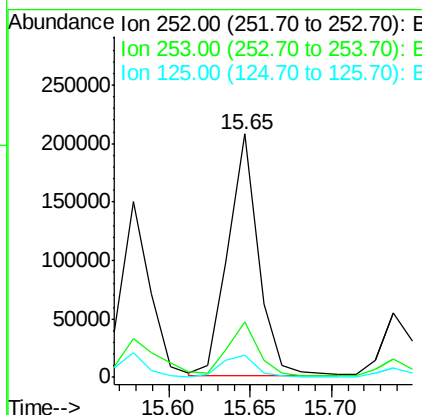
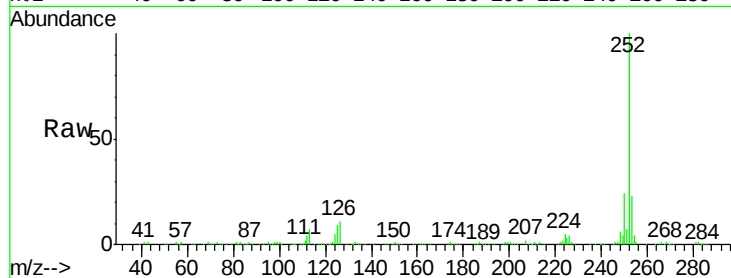




#89
Benzo(a)pyrene
Concen: 24.54 ng
RT: 15.65 min Scan# 1182
Delta R.T. 0.05 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

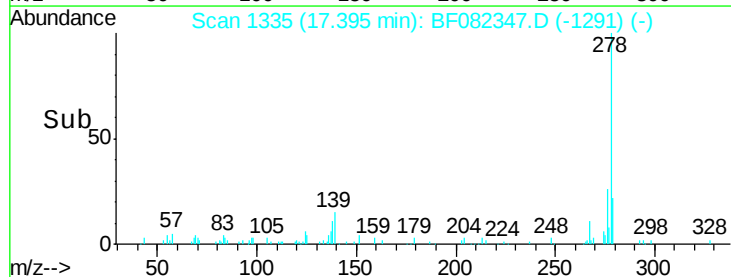
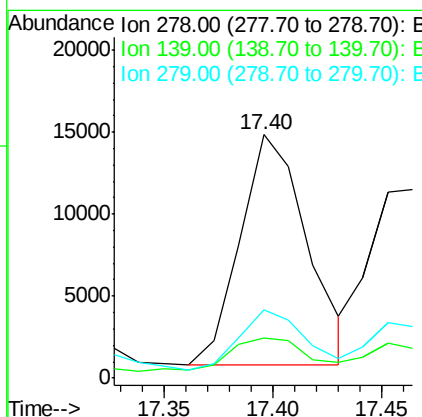
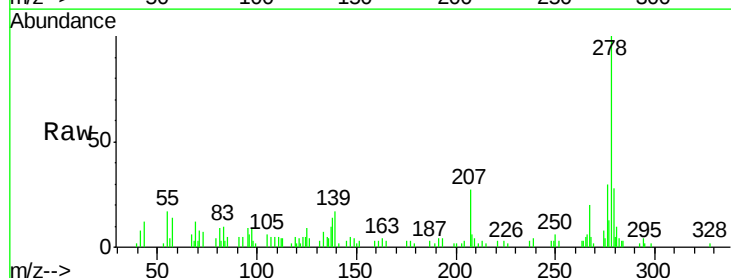
Instrument :
BNA_F
ClientSampleId :
KW-3

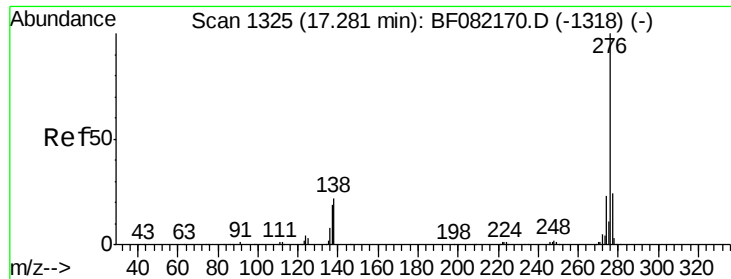
Tot Ion:252 Resp: 266016
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 9.1 8.9 13.3



#90
Dibenzo(a,h)anthracene
Concen: 3.39 ng
RT: 17.40 min Scan# 1335
Delta R.T. 0.21 min
Lab File: BF082347.D
Acq: 17 Oct 2015 2:31

Tgt Ion:278 Resp: 30142
Ion Ratio Lower Upper
278 100
139 16.6 13.3 19.9
279 28.3 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 13.83 ng

RT: 17.67 min Scan# 1359

Delta R.T. 0.05 min

Lab File: BF082347.D

Acq: 17 Oct 2015 2:31

Instrument :

BNA_F

ClientSampleId :

KW-3

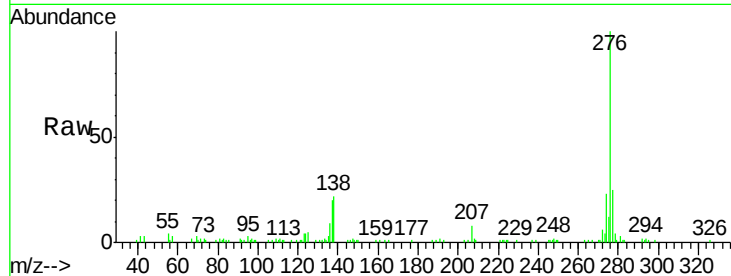
Tot Ion:276 Resp: 119398

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 22.0 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

