

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082392.D
 Acq On : 20 Oct 2015 9:48
 Operator : UM/IZ
 Sample : G4046-04DL 50X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112DL

Quant Time: Oct 20 11:30:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	88798	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	363670	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	183300	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	298546	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	230022	20.00	ng	0.01
86) Perylene-d12	15.53	264	225063	20.00	ng	0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	4908	1.12	ng	-0.02
7) Phenol-d6	6.45	99	7231	1.26	ng	-0.03
23) Nitrobenzene-d5	7.37	82	4686	0.87	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	2043	1.19	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	17145	1.55	ng	-0.04
78) Terphenyl-d14	12.93	244	15983	1.84	ng	-0.03

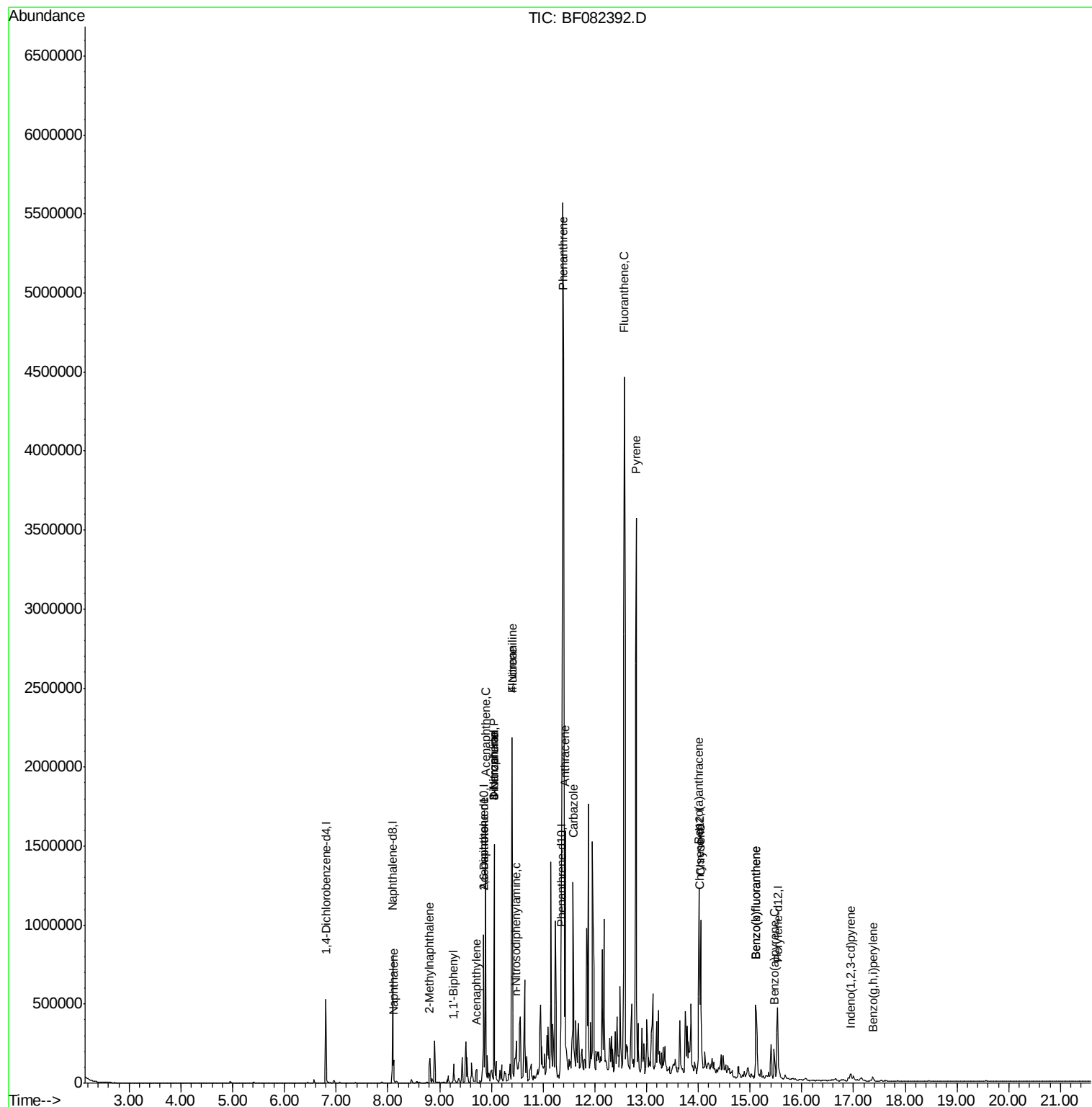
Target Compounds				Qvalue		
31) Naphthalene	8.11	128	62537	3.97	ng	98
37) 2-Methylnaphthalene	8.81	142	62614	5.73	ng	98
45) 1,1'-Biphenyl	9.27	154	42982	3.08	ng	98
48) Acenaphthylene	9.71	152	35643	2.08	ng	97
50) 2,6-Dinitrotoluene	9.85	165	29339	10.77	ng	# 33
51) Acenaphthene	9.89	154	380740	37.00	ng	99
52) 3-Nitroaniline	10.06	138	9442	3.07	ng	# 13
54) Dibenzofuran	10.06	168	600765	42.52	ng	99
55) 4-Nitrophenol	10.06	139	227522	98.02	ng	# 12
57) Fluorene	10.40	166	620450	53.47	ng	99
61) 4-Nitroaniline	10.40	138	7469	2.50	ng	# 21
65) n-Nitrosodiphenylamine	10.48	169	19810	2.22	ng	# 1
70) Phenanthrene	11.38	178	4582407	313.14	ng	95
71) Anthracene	11.43	178	570463	37.83	ng	99
72) Carbazole	11.58	167	551881	40.12	ng	99
74) Fluoranthene	12.57	202	3179562	202.30	ng	94
77) Pyrene	12.80	202	1856111	135.97	ng	98
80) Benzo(a)anthracene	14.01	228	446570	37.31	ng	99
82) Chrysene	14.05	228	368697	29.24	ng	98
85) Indeno(1,2,3-cd)pyrene	16.95	276	38287	3.82	ng	99
87) Benzo(b)fluoranthene	15.11	252	362480	26.47	ng	100
88) Benzo(k)fluoranthene	15.11	252	362480	31.50	ng	# 97
89) Benzo(a)pyrene	15.46	252	95559	8.12	ng	100
91) Benzo(g,h,i)perylene	17.37	276	24780	2.65	ng	98

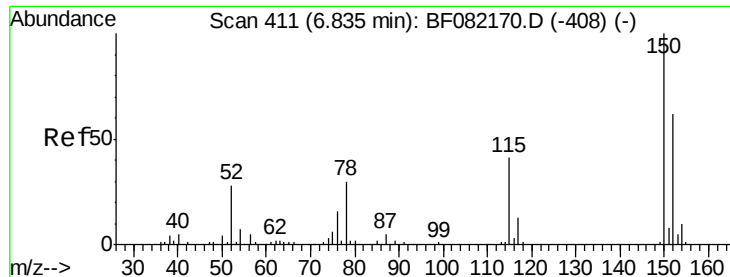
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

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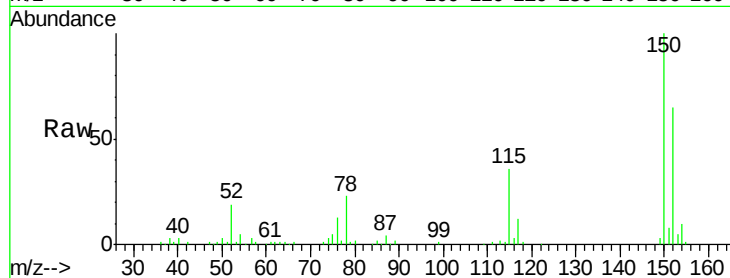
Tot Ion:152 Resp: 88798

Ion Ratio Lower Upper

152 100

150 154.4 129.0 193.4

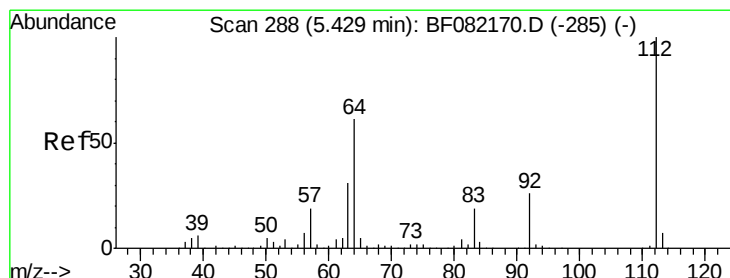
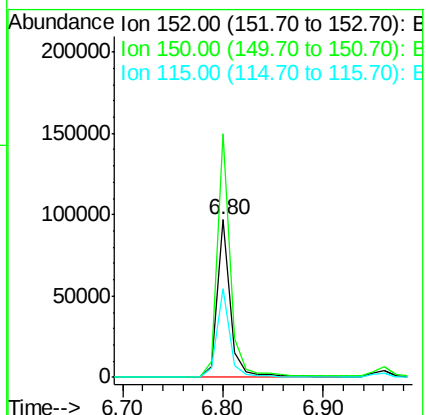
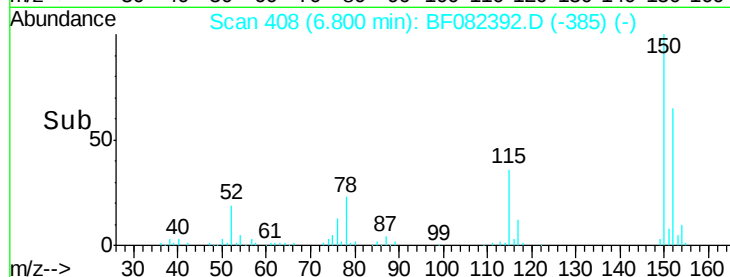
115 55.9 52.1 78.1



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: 1.12 ng

RT: 5.41 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

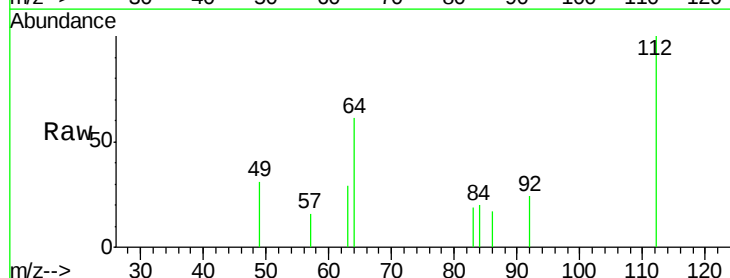
Tgt Ion:112 Resp: 4908

Ion Ratio Lower Upper

112 100

64 61.2 48.6 73.0

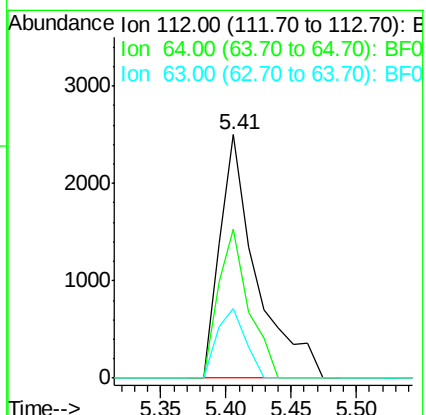
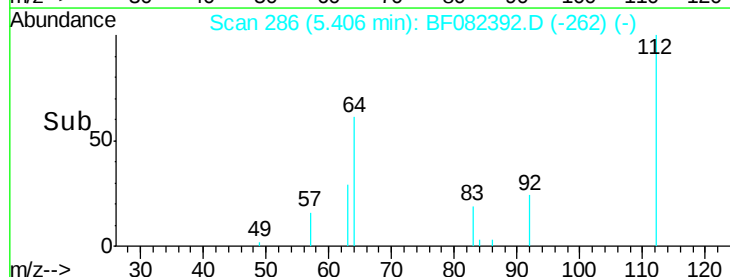
63 28.8 25.1 37.7

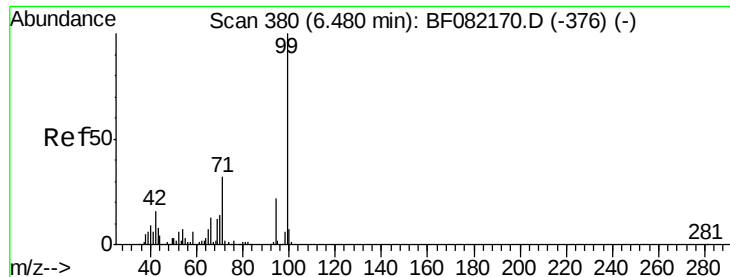


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.26 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082392.D

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Instrument :

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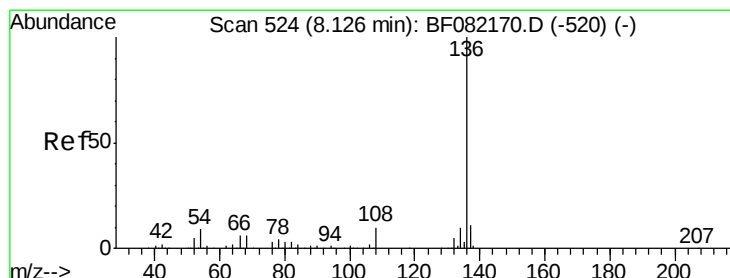
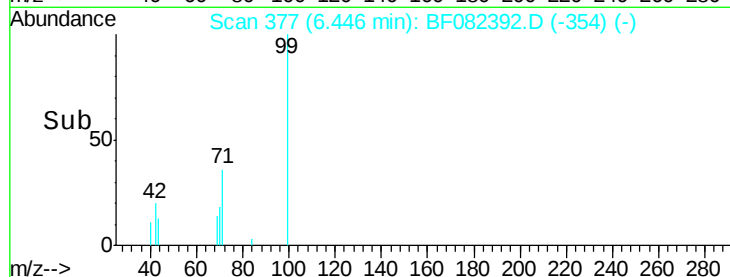
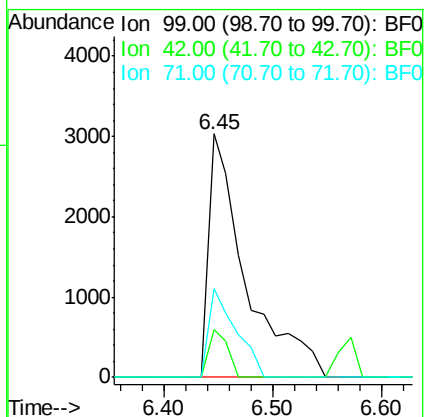
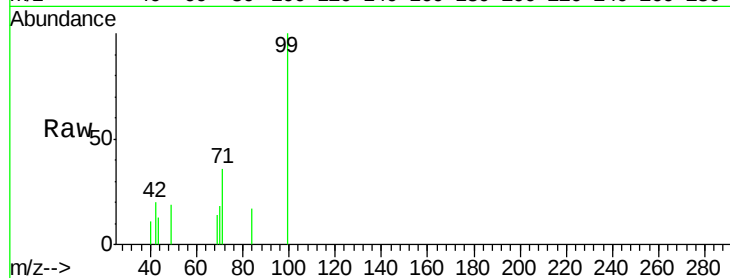
Tot Ion: 99 Resp: 7231

Ion Ratio Lower Upper

99 100

42 19.7 13.2 19.8

71 36.3 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Tgt Ion: 136 Resp: 363670

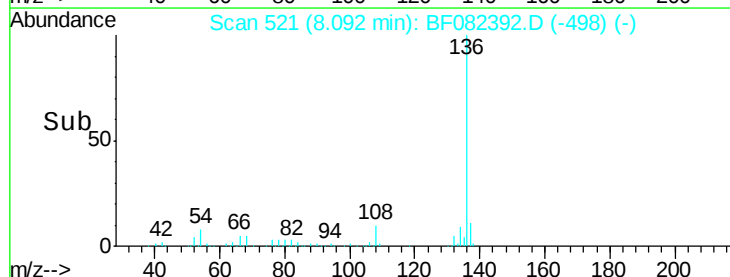
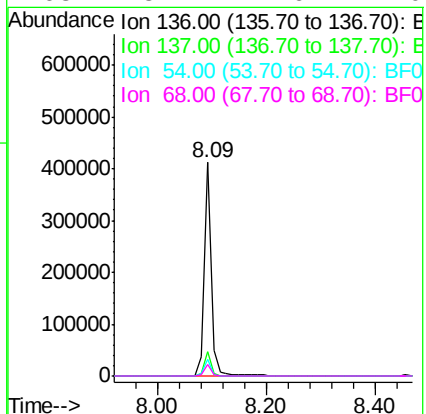
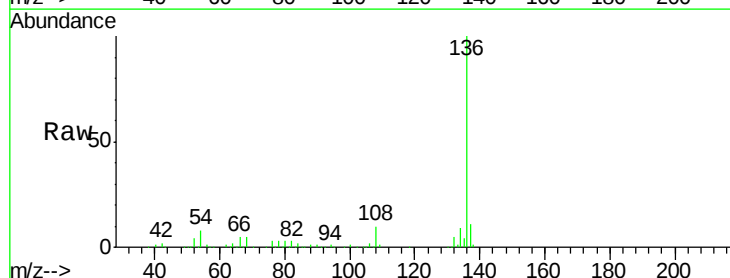
Ion Ratio Lower Upper

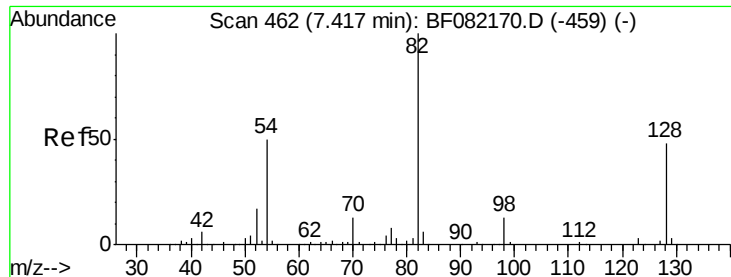
136 100

137 11.2 9.0 13.6

54 7.9 7.5 11.3

68 5.2 4.6 7.0

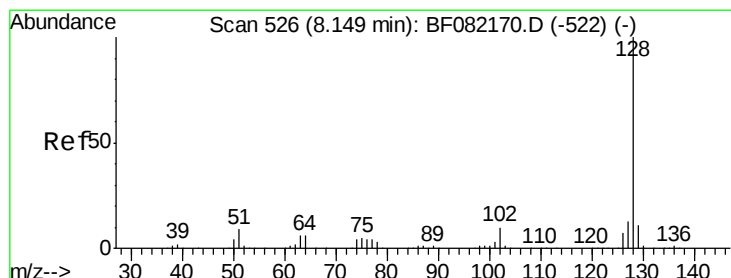
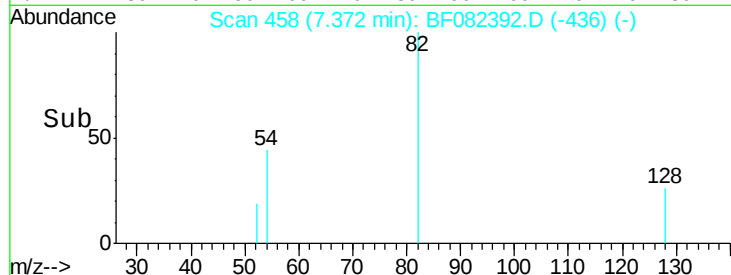
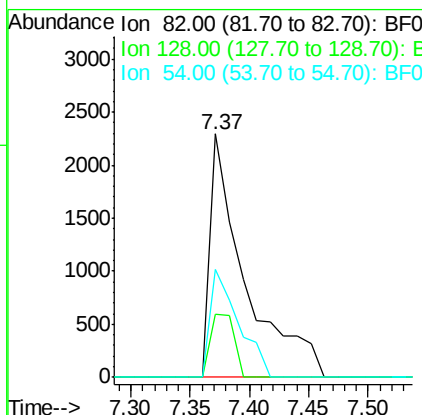
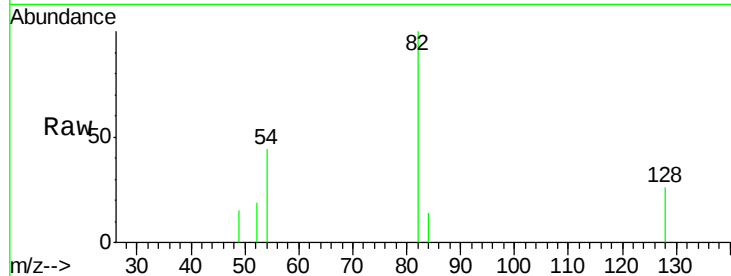




#23
Nitrobenzene-d5
Concen: 0.87 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

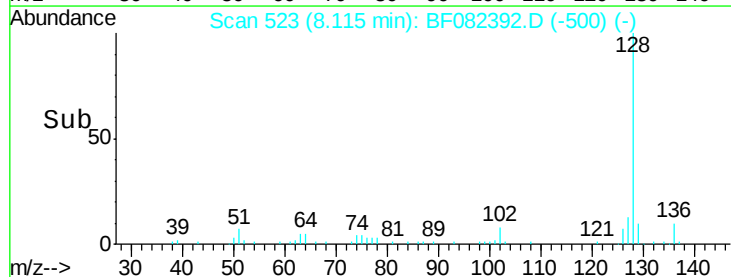
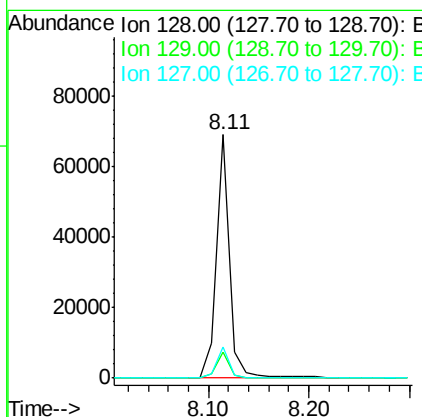
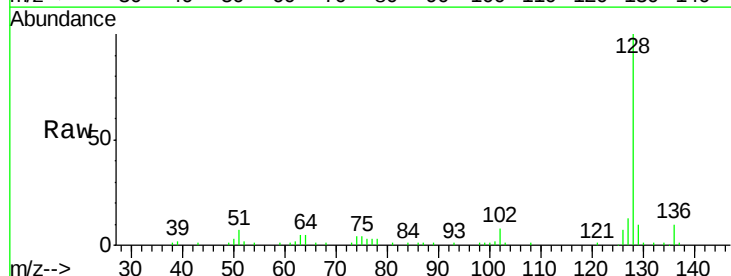
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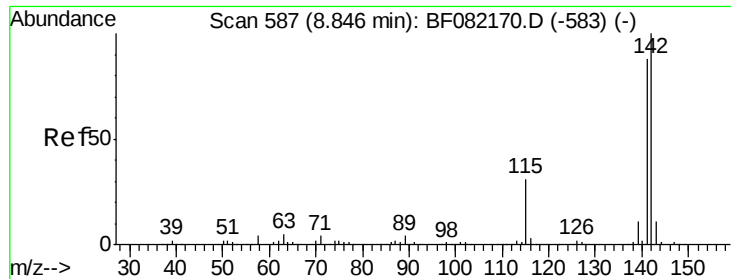
Tot Ion: 82 Resp: 4686
Ion Ratio Lower Upper
82 100
128 26.2 38.7 58.1#
54 44.1 40.1 60.1



#31
Naphthalene
Concen: 3.97 ng
RT: 8.11 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion: 128 Resp: 62537
Ion Ratio Lower Upper
128 100
129 10.5 9.1 13.7
127 13.0 10.7 16.1

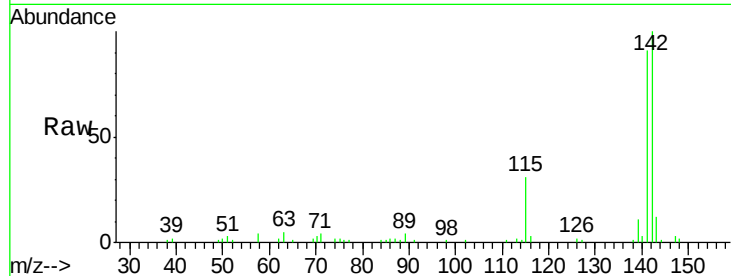




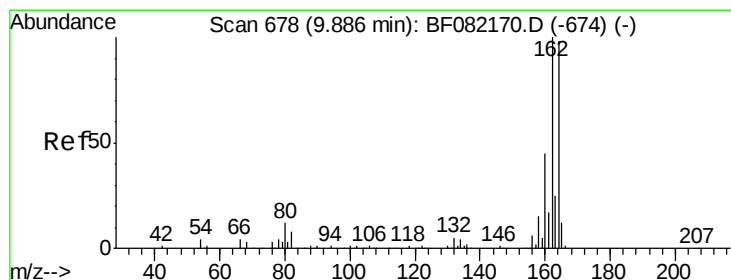
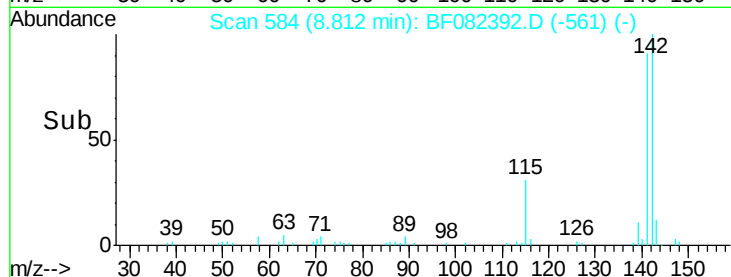
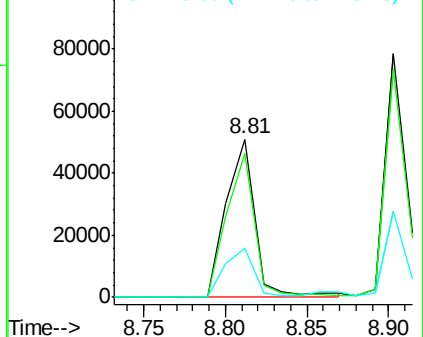
#37
2-Methylnaphthalene
Concen: 5.73 ng
RT: 8.81 min Scan# 584
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tot Ion:142 Resp: 62614
Ion Ratio Lower Upper
142 100
141 91.0 70.4 105.6
115 30.8 24.6 37.0

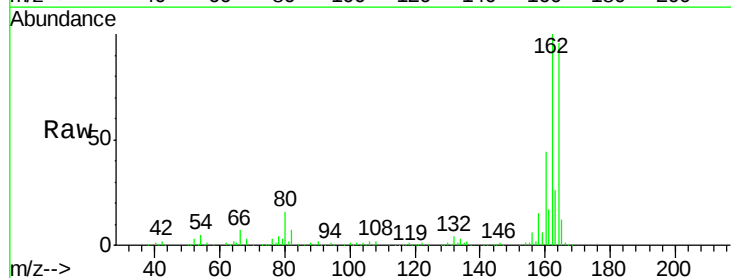


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

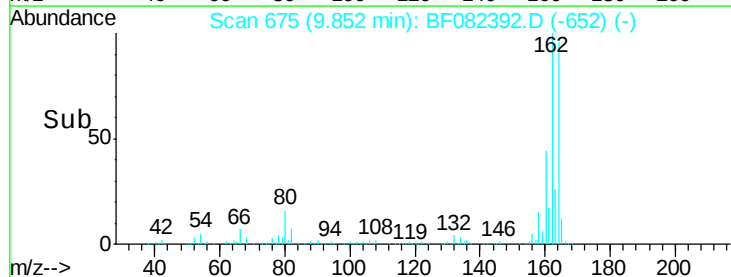
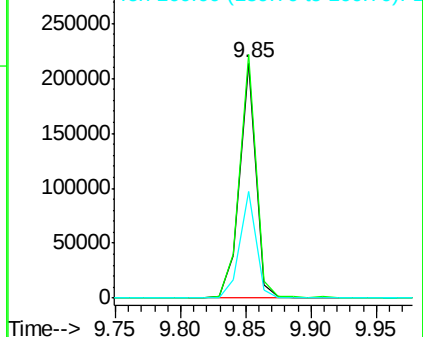


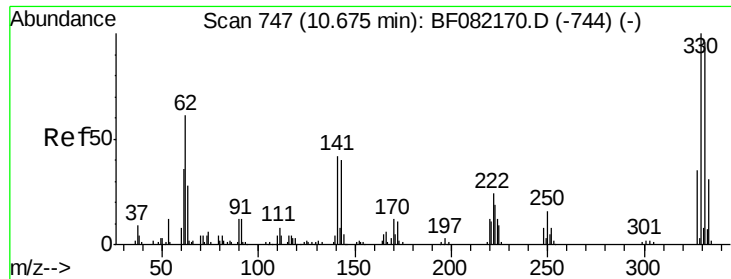
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:164 Resp: 183300
Ion Ratio Lower Upper
164 100
162 103.7 81.6 122.4
160 45.4 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

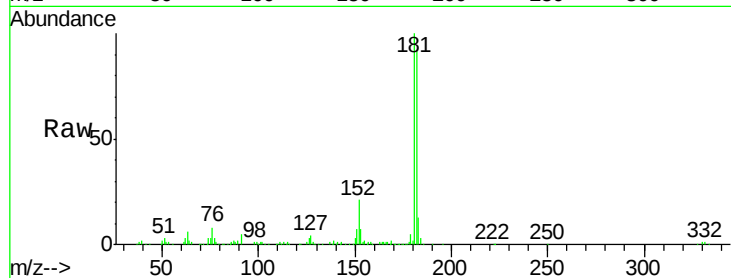




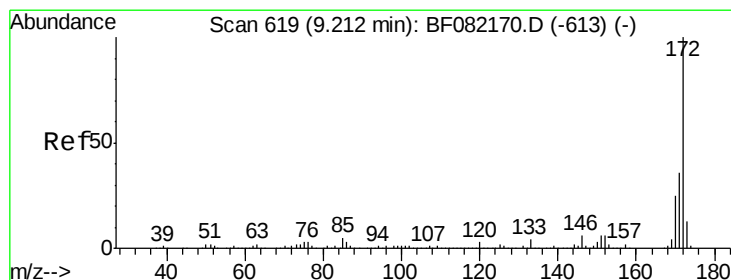
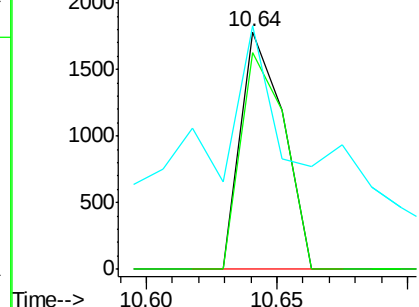
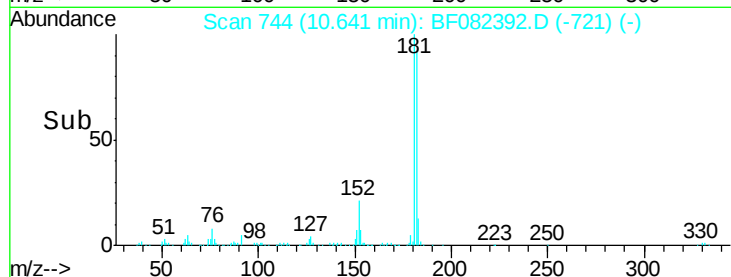
#41
 2,4,6-Tribromophenol
 Concen: 1.19 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

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Tot Ion:330 Resp: 2043
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.1 115.7
 141 179.8 29.8 44.8#

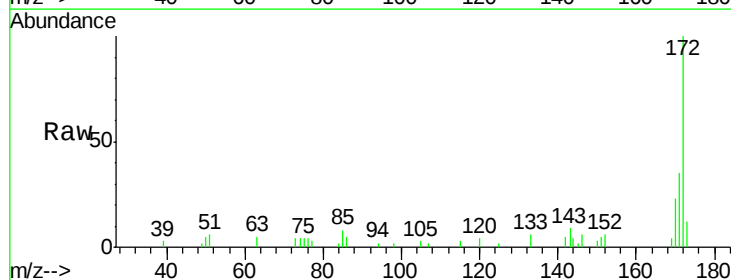


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

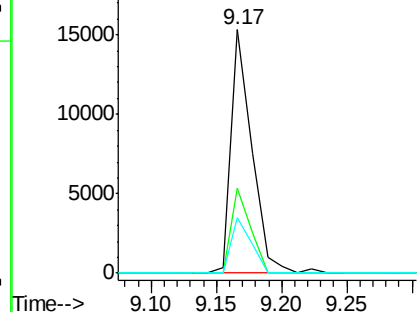
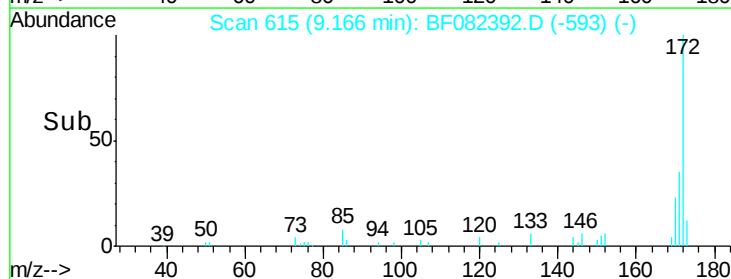


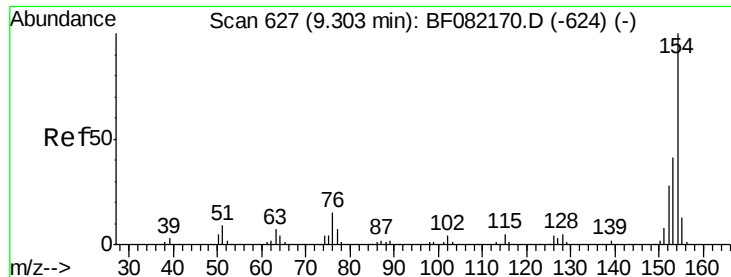
#44
 2-Fluorobiphenyl
 Concen: 1.55 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

Tgt Ion:172 Resp: 17145
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 22.6 19.7 29.5



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

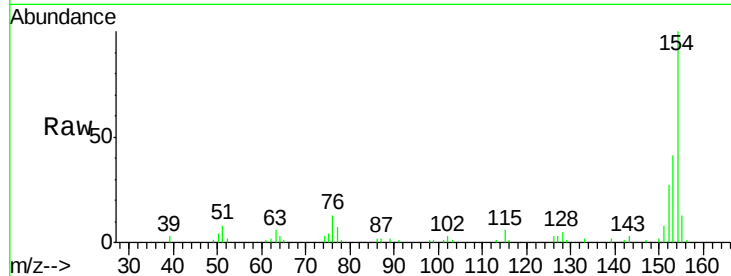




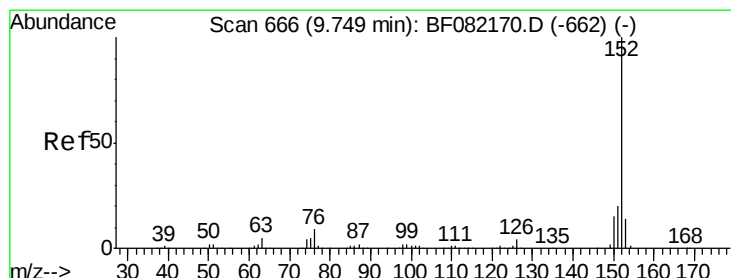
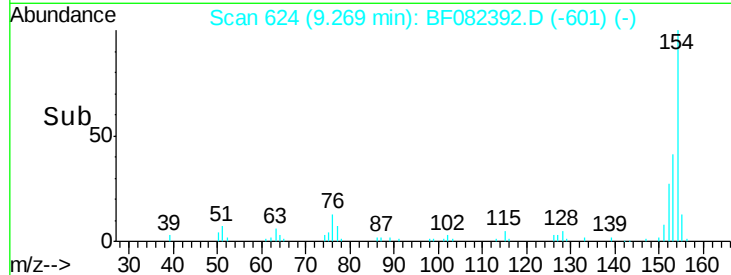
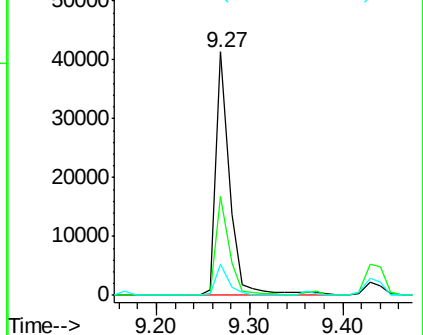
#45
 1,1'-Biphenyl
 Concen: 3.08 ng
 RT: 9.27 min Scan# 624
 Delta R.T. -0.03 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

Instrument :
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Tot Ion:154	Resp:	42982
Ion Ratio	Lower	Upper
154	100	
153	40.5	20.6 60.6
76	12.9	0.0 35.2

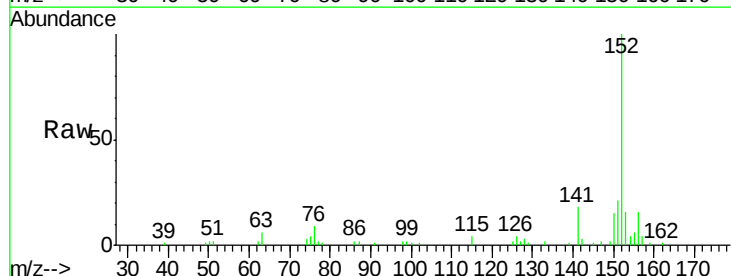


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

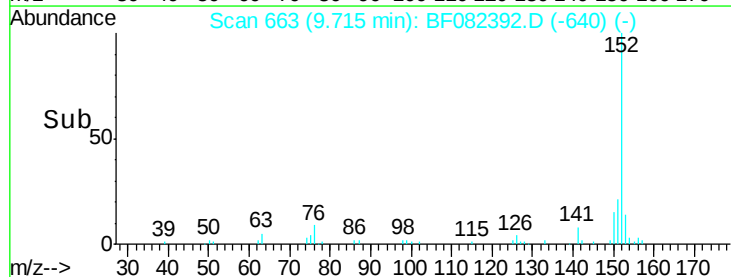
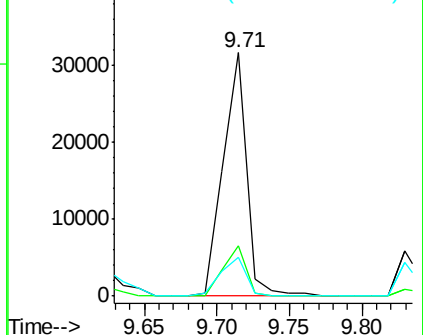


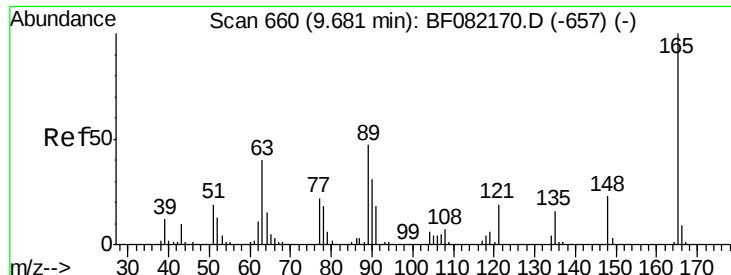
#48
 Acenaphthylene
 Concen: 2.08 ng
 RT: 9.71 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

Tgt Ion:152	Resp:	35643
Ion Ratio	Lower	Upper
152	100	
151	20.6	16.4 24.6
153	16.0	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

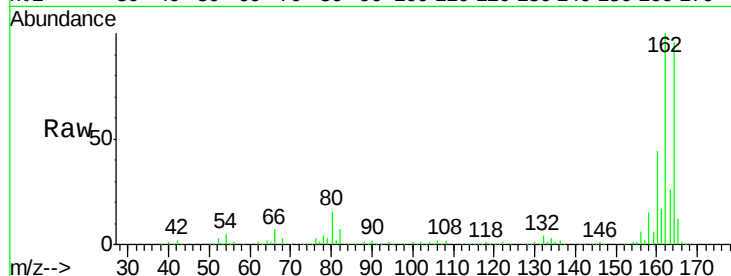




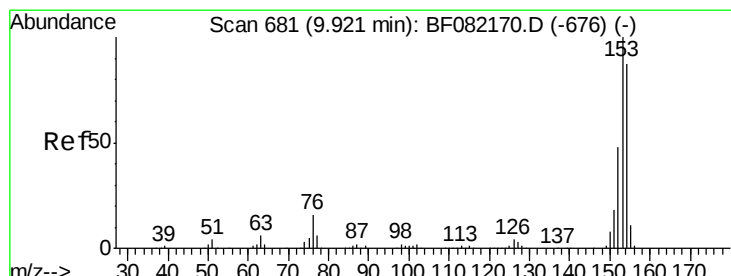
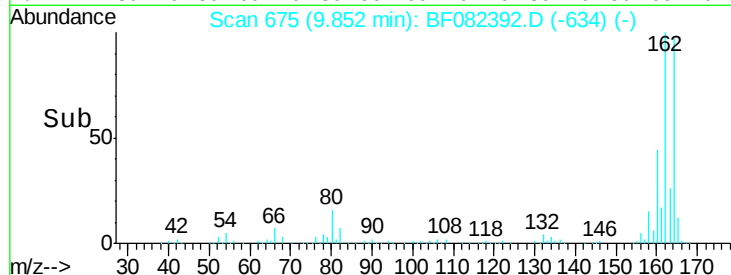
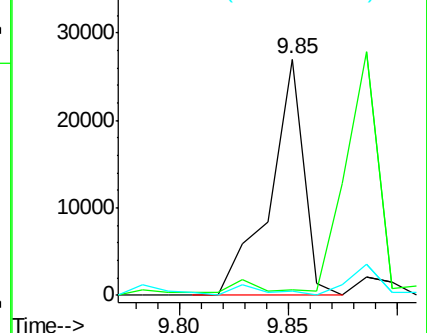
#50
 2,6-Dinitrotoluene
 Concen: 10.77 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.17 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112DL

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	36.7	55.1#
89	2.0	37.8	56.6#

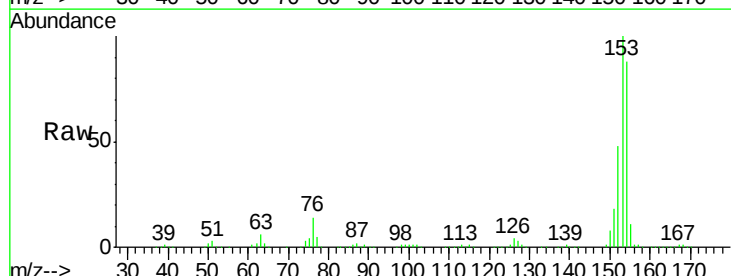


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

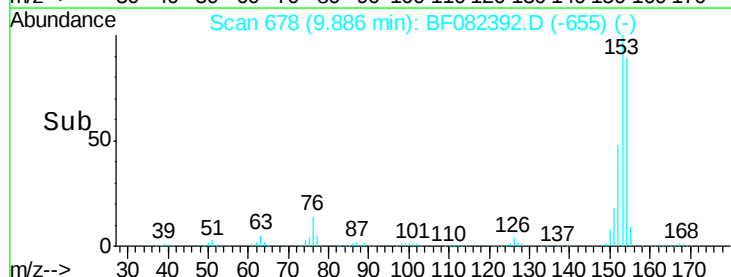
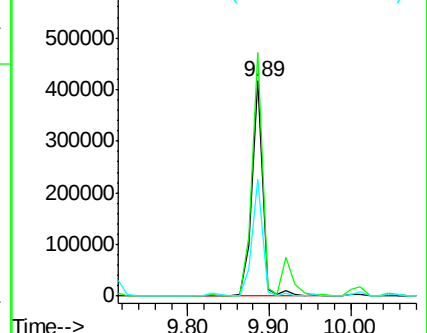


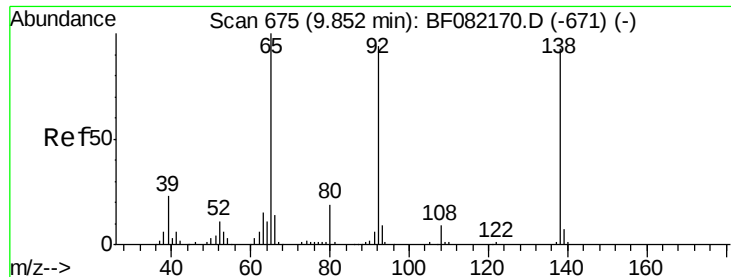
#51
 Acenaphthene
 Concen: 37.00 ng
 RT: 9.89 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: BF082392.D
 Acq: 20 Oct 2015 9:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.4	137.2
152	54.4	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





#52

3-Nitroaniline

Concen: 3.07 ng

RT: 10.06 min Scan# 693

Delta R.T. 0.21 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

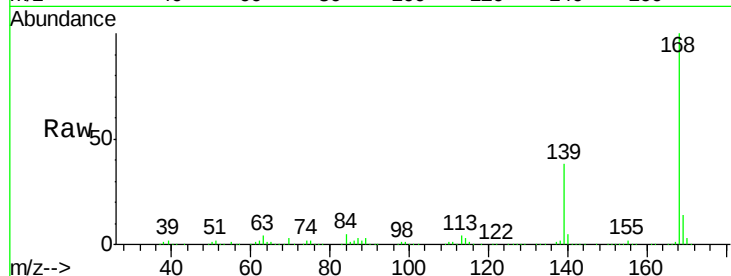
Tot Ion:138 Resp: 9442

Ion Ratio Lower Upper

138 100

108 0.0 7.4 11.0#

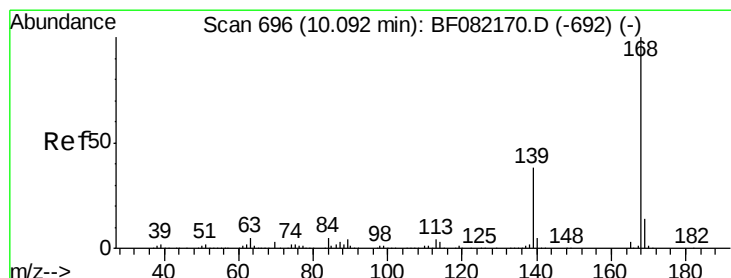
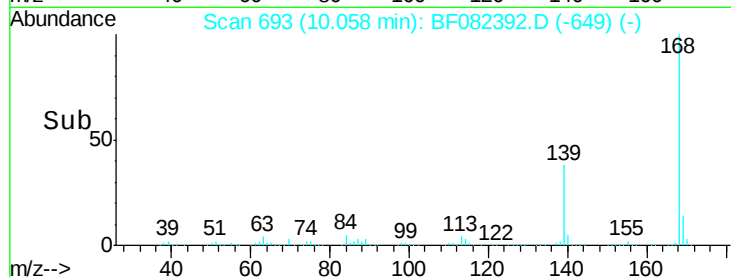
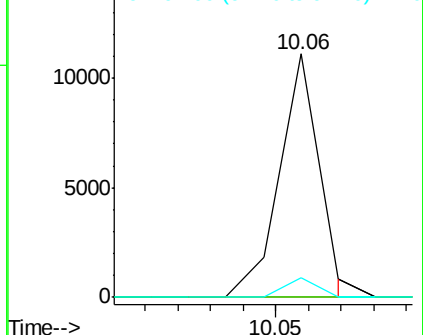
92 8.3 81.3 121.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 42.52 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

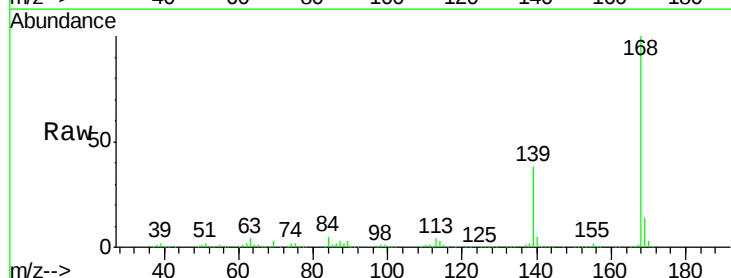
Tgt Ion:168 Resp: 600765

Ion Ratio Lower Upper

168 100

139 38.3 31.0 46.6

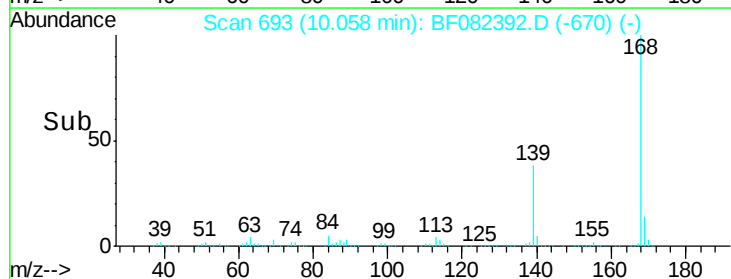
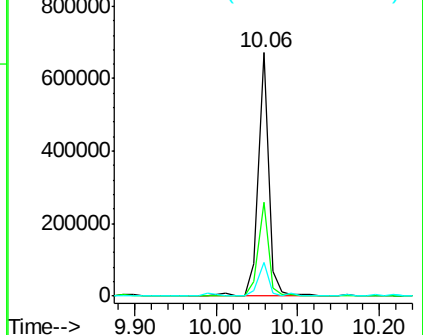
169 14.1 10.9 16.3

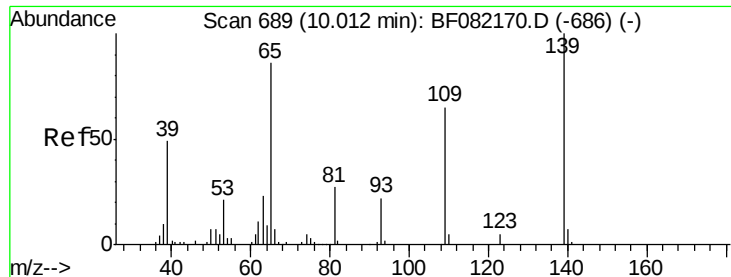


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 98.02 ng

RT: 10.06 min Scan# 693

Delta R.T. 0.05 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

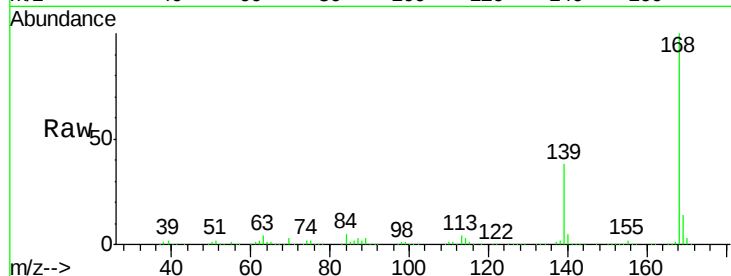
Tot Ion:139 Resp: 227522

Ion Ratio Lower Upper

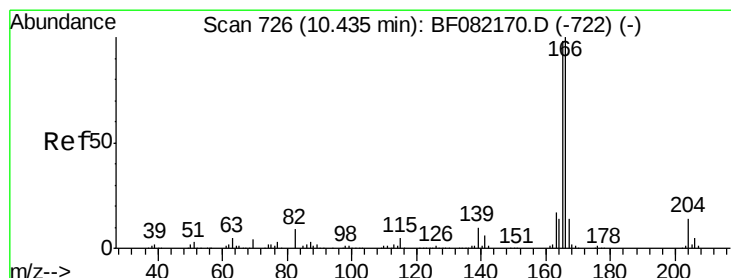
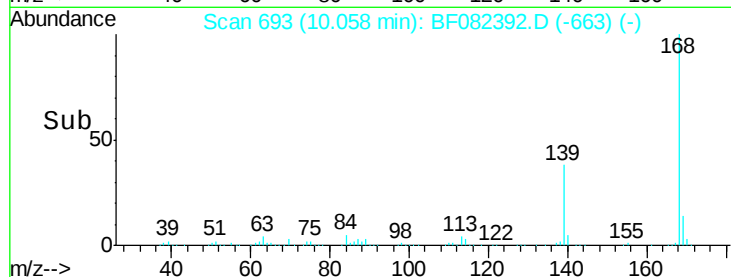
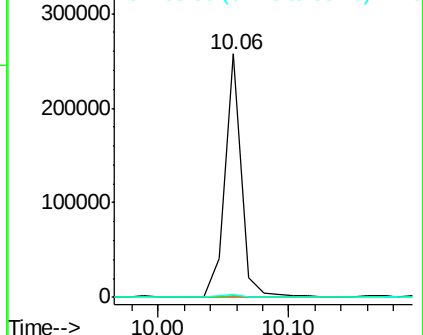
139 100

109 0.8 44.8 84.8#

65 1.3 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



#57

Fluorene

Concen: 53.47 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

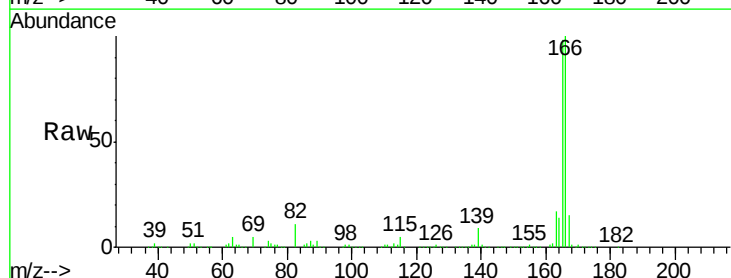
Tgt Ion:166 Resp: 620450

Ion Ratio Lower Upper

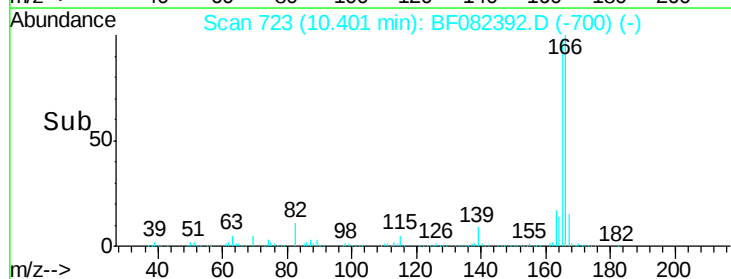
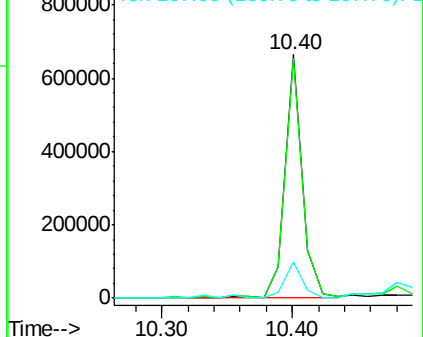
166 100

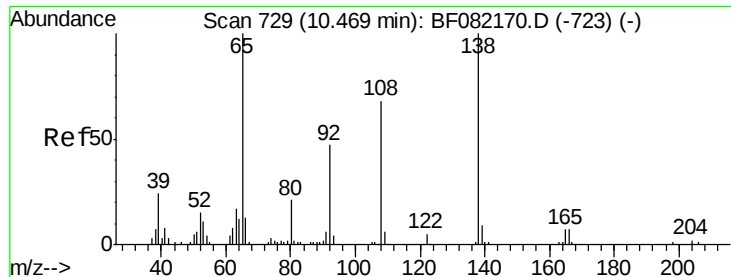
165 98.2 78.3 117.5

167 14.8 10.8 16.2



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

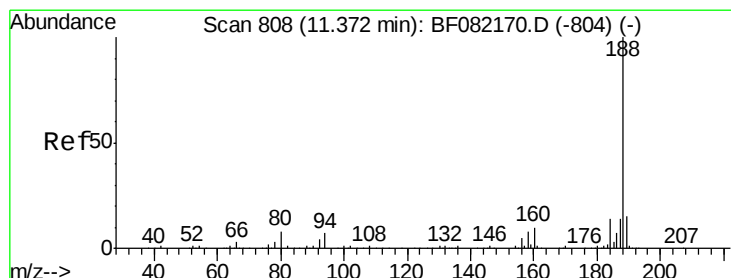
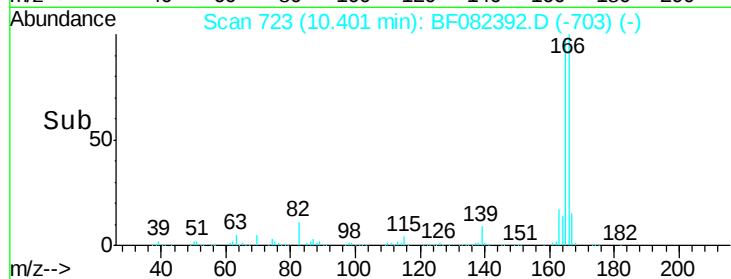
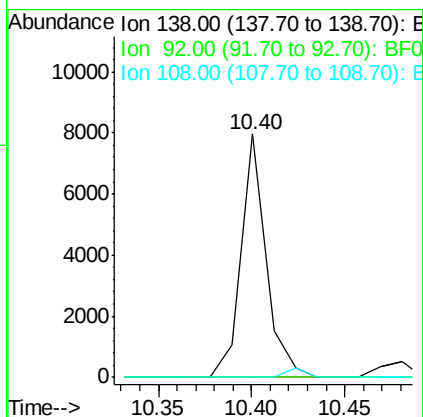
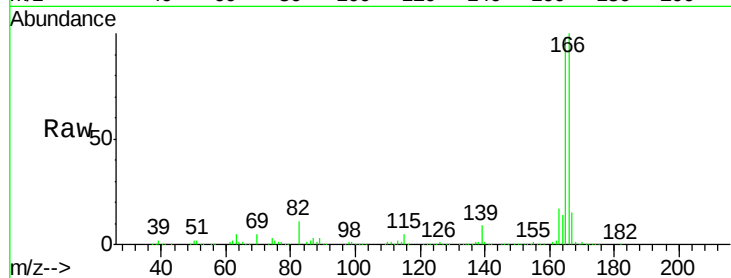




#61
4-Nitroaniline
Concen: 2.50 ng
RT: 10.40 min Scan# 723
Delta R.T. -0.07 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

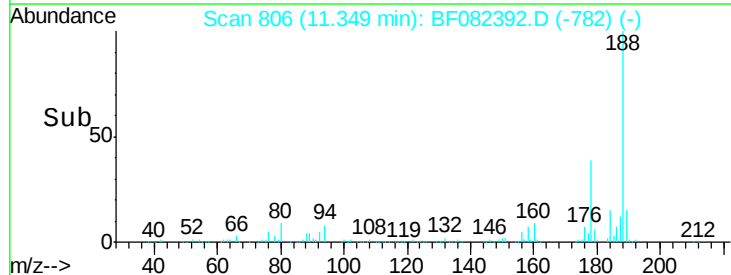
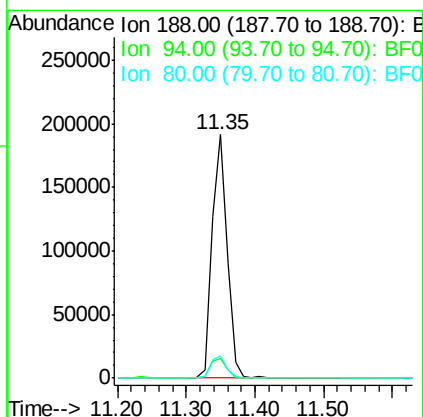
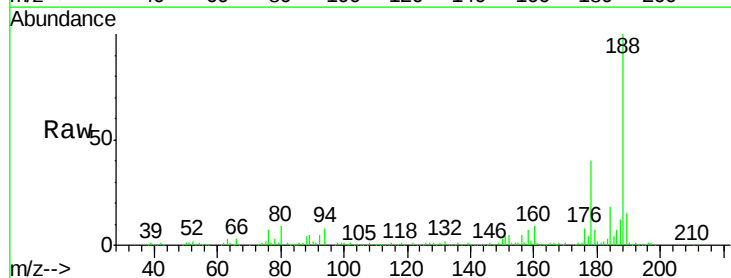
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

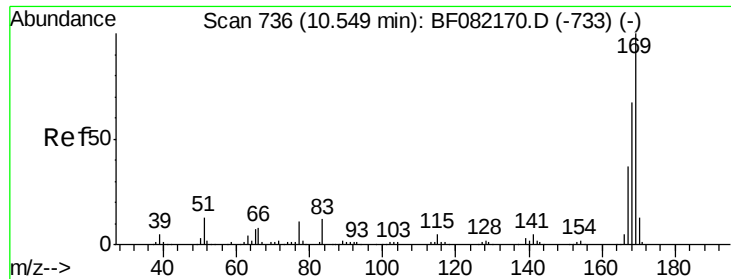
Tot Ion:138 Resp: 7469
Ion Ratio Lower Upper
138 100
92 0.0 26.8 66.8#
108 0.0 48.4 88.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:188 Resp: 298546
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 8.9 6.4 9.6





#65

n-Nitrosodiphenylamine

Concen: 2.22 ng

RT: 10.48 min Scan# 730

Delta R.T. -0.07 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

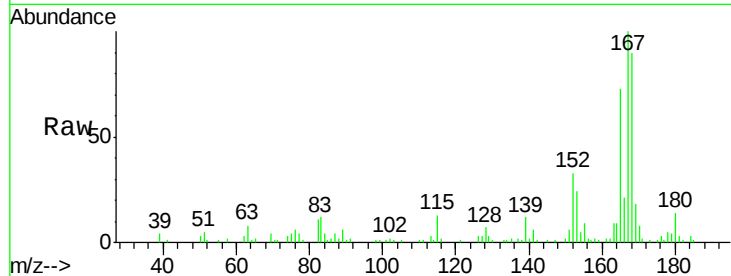
Tot Ion:169 Resp: 19810

Ion Ratio Lower Upper

169 100

168 511.7 54.0 81.0#

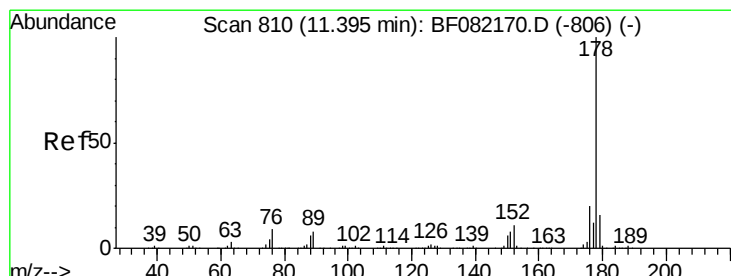
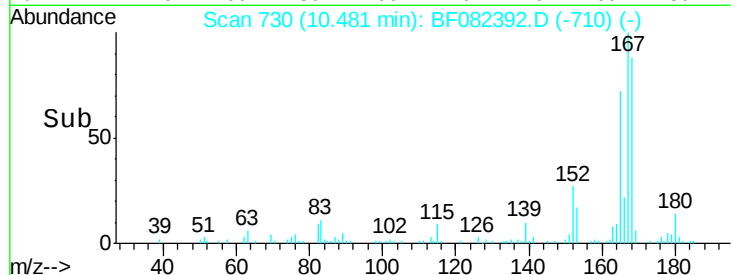
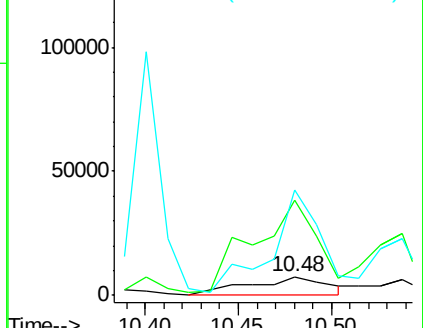
167 568.9 29.6 44.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 313.14 ng

RT: 11.38 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

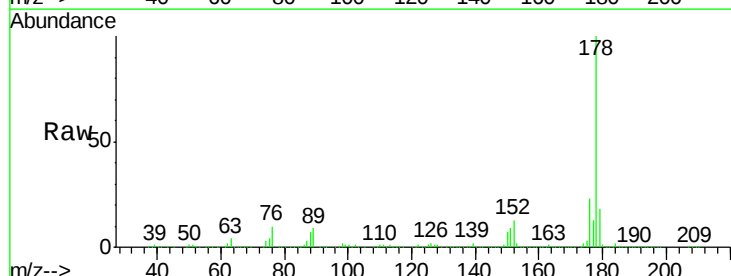
Tgt Ion:178 Resp: 4582407

Ion Ratio Lower Upper

178 100

176 22.5 16.0 24.0

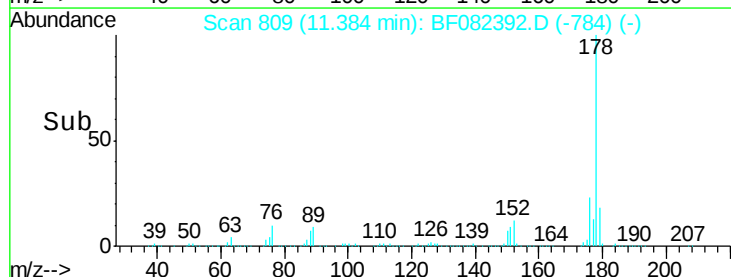
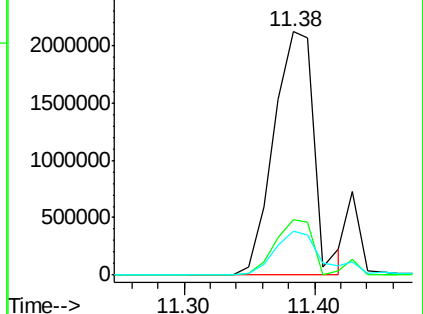
179 17.9 12.6 19.0

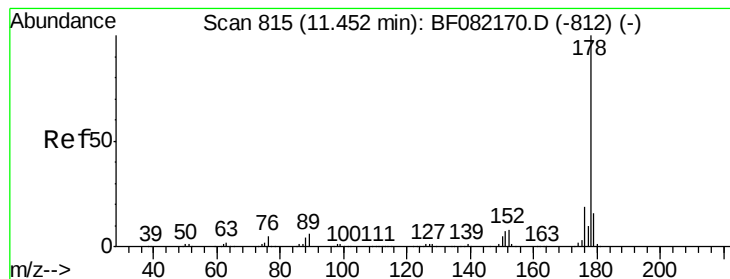


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 37.83 ng

RT: 11.43 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

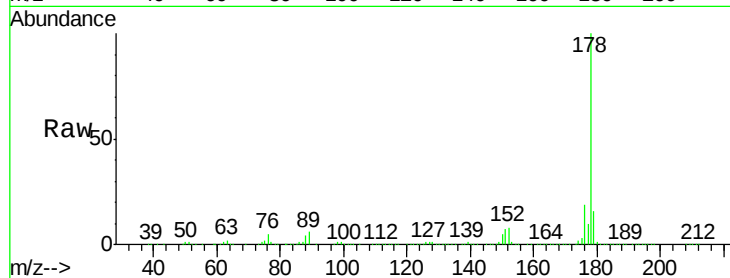
Tot Ion:178 Resp: 570463

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

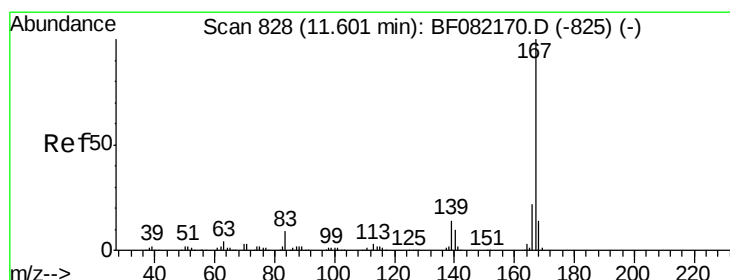
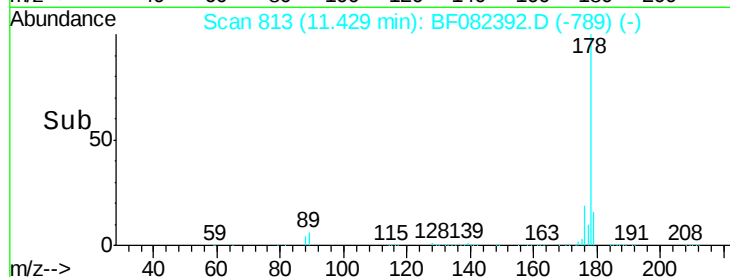
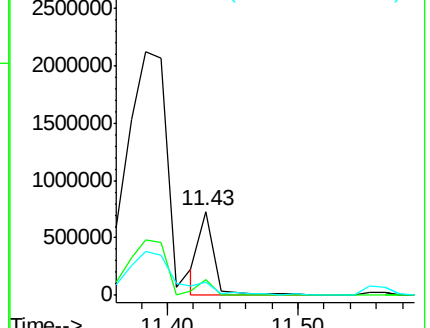
179 16.2 12.5 18.7



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: 40.12 ng

RT: 11.58 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

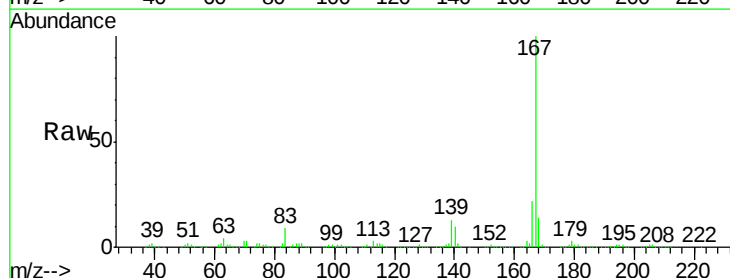
Tgt Ion:167 Resp: 551881

Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

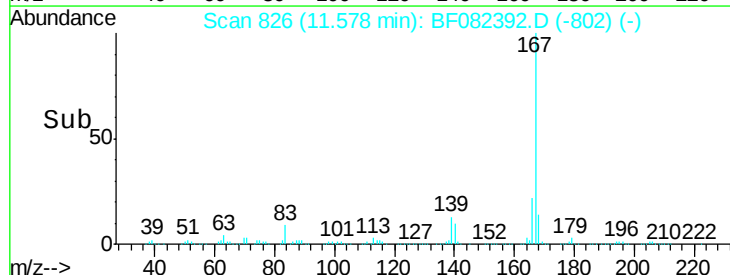
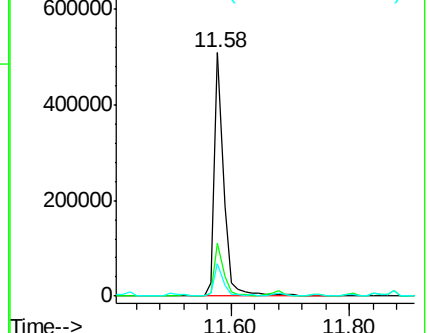
139 13.5 11.2 16.8

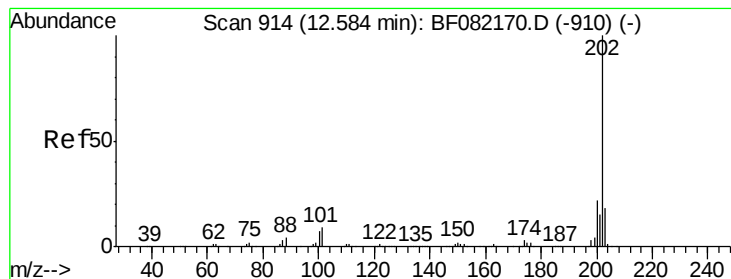


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 202.30 ng

RT: 12.57 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

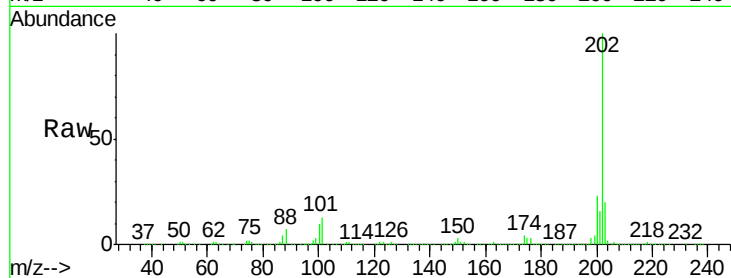
Tot Ion:202 Resp: 3179562

Ion Ratio Lower Upper

202 100

101 12.7 0.0 29.3

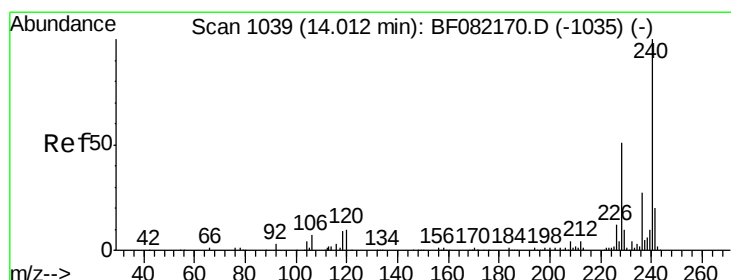
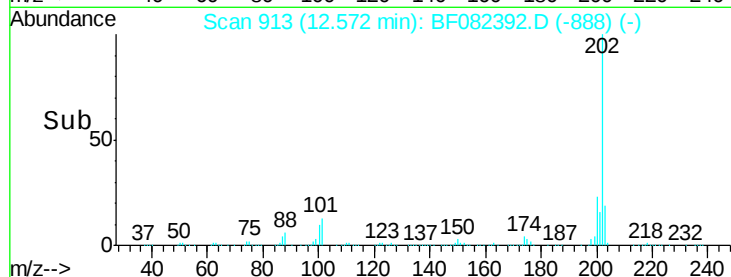
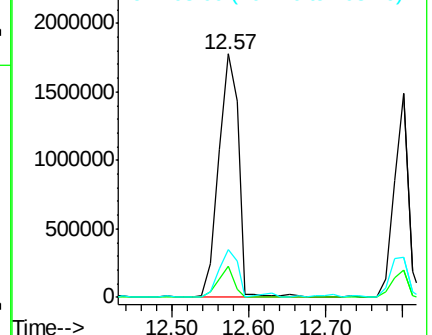
203 19.5 0.0 37.8



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: 14.02 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

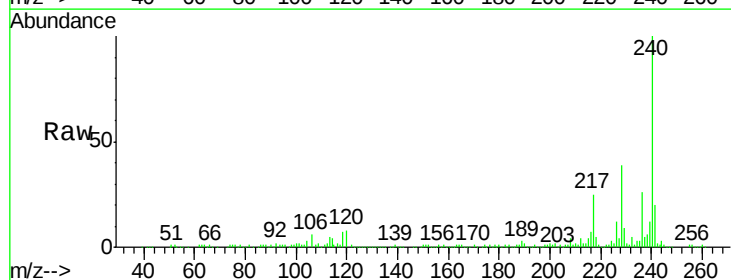
Tgt Ion:240 Resp: 230022

Ion Ratio Lower Upper

240 100

120 8.0 8.1 12.1#

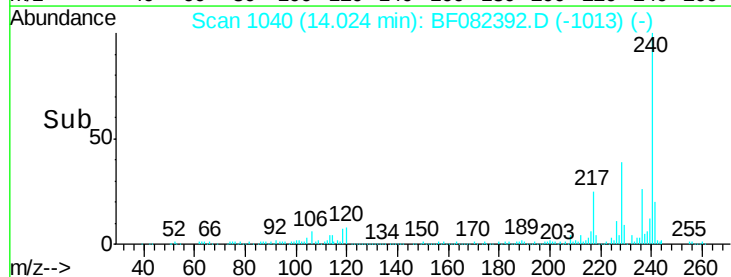
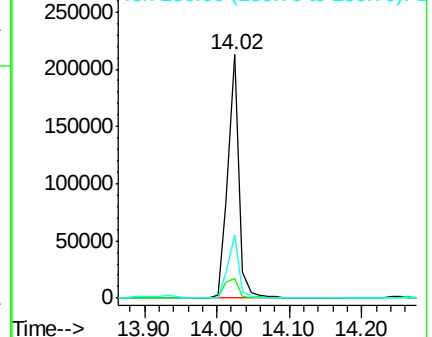
236 26.1 21.3 31.9

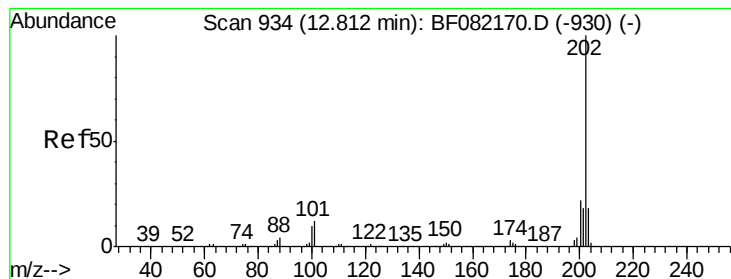


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 135.97 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

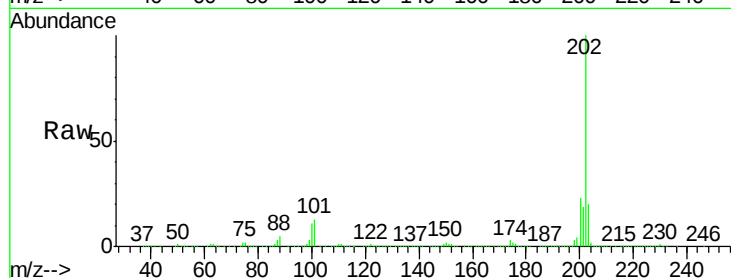
Tot Ion:202 Resp: 1856111

Ion Ratio Lower Upper

202 100

200 23.1 17.9 26.9

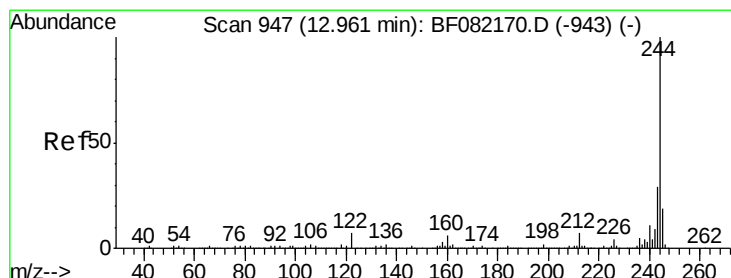
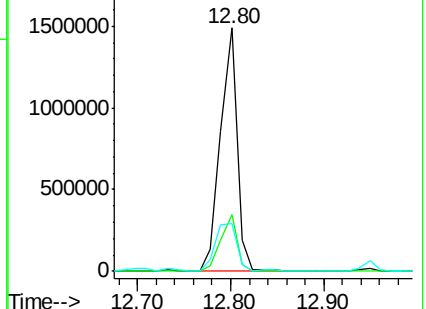
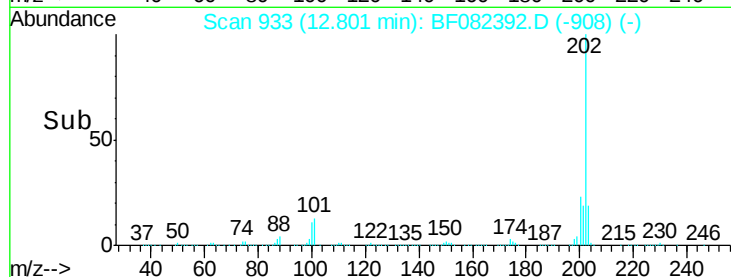
203 19.5 14.5 21.7



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: 1.84 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

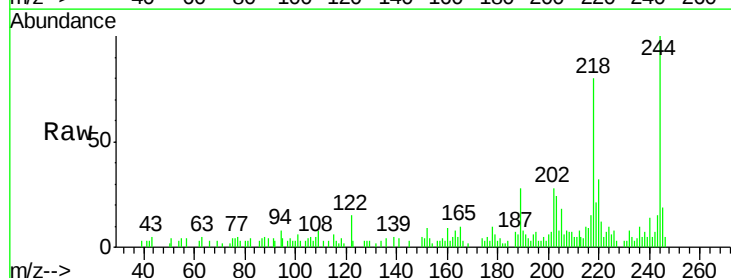
Tgt Ion:244 Resp: 15983

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.6

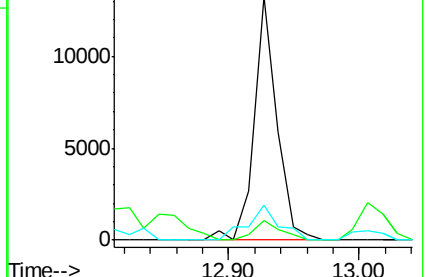
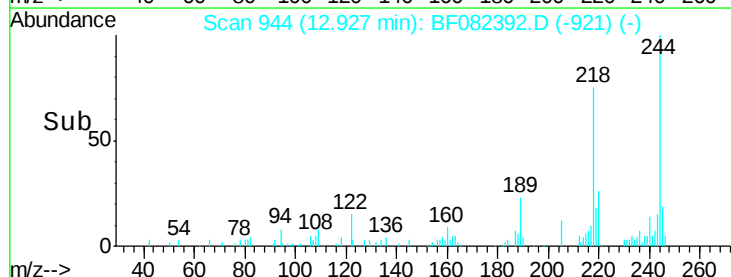
122 14.6 5.9 8.9#

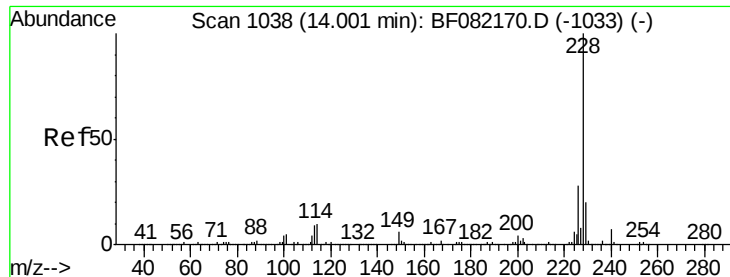


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 37.31 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

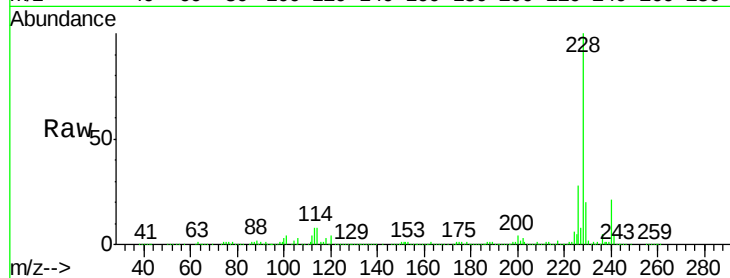
BNA_F

ClientSampleId :

MANAHAWKEN112DL

Tot Ion:228 Resp: 446570

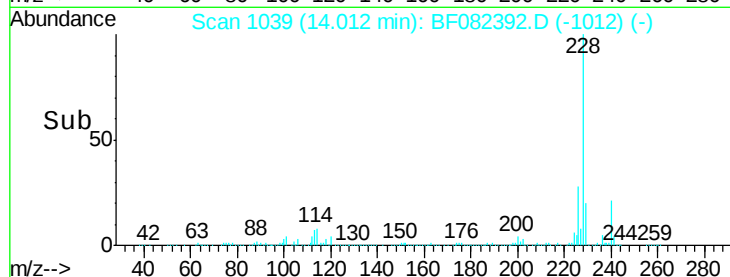
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	20.3	16.2	24.2



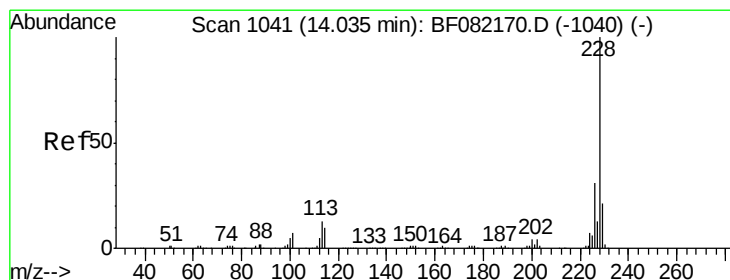
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 29.24 ng

RT: 14.05 min Scan# 1042

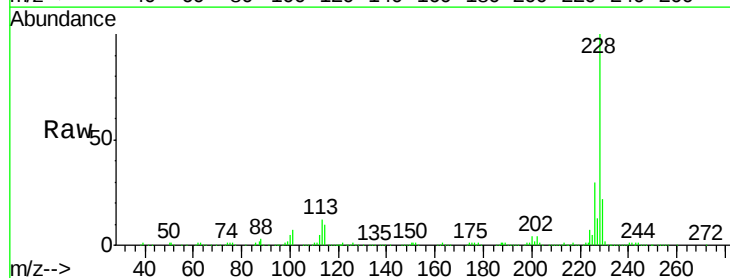
Delta R.T. 0.01 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Tgt Ion:228 Resp: 368697

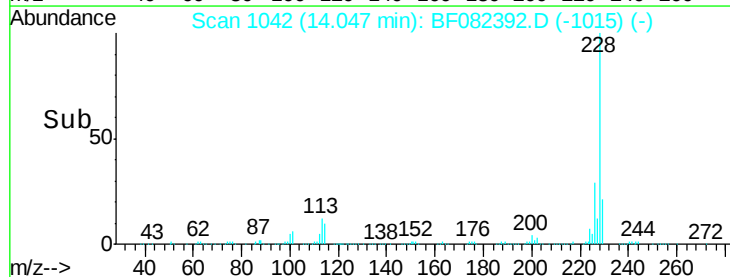
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	22.0	16.3	24.5



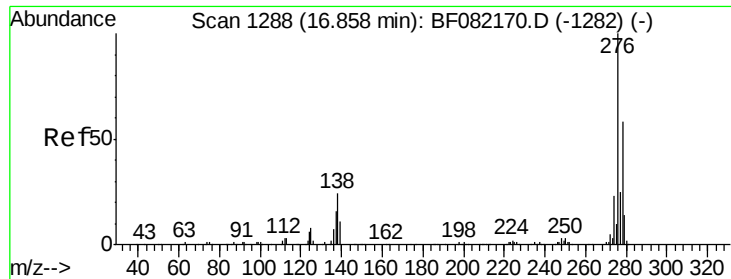
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.82 ng

RT: 16.95 min Scan# 1296

Delta R.T. 0.09 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

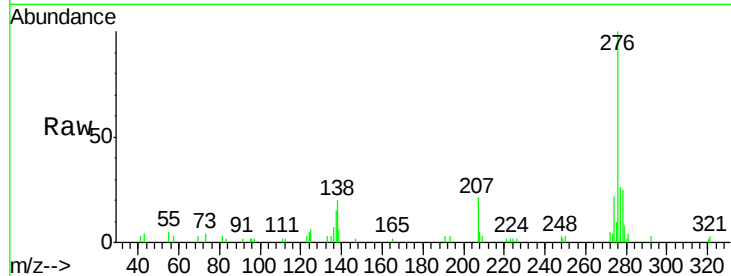
Tot Ion:276 Resp: 38287

Ion Ratio Lower Upper

276 100

138 24.9 19.7 29.5

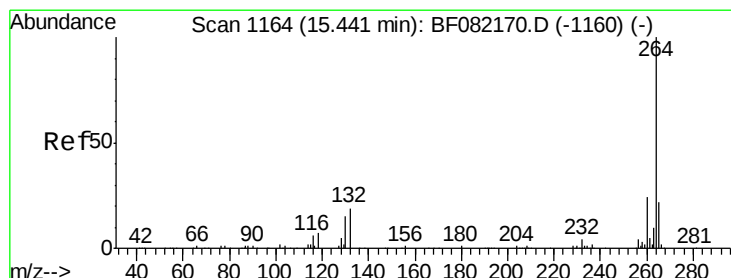
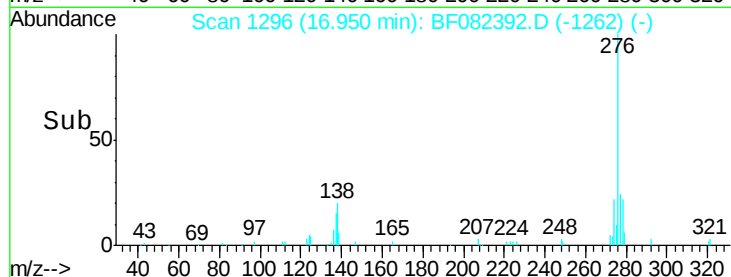
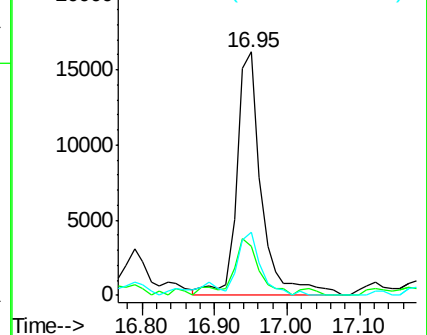
277 24.0 20.1 30.1



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: 15.53 min Scan# 1172

Delta R.T. 0.09 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

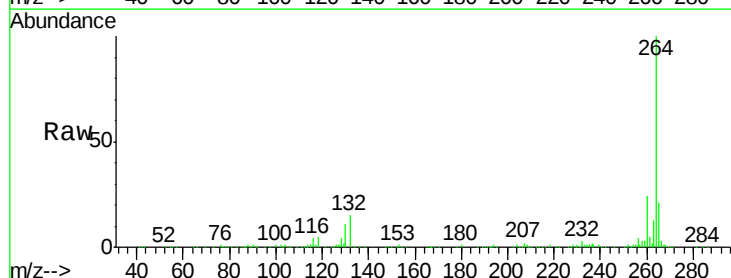
Tgt Ion:264 Resp: 225063

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

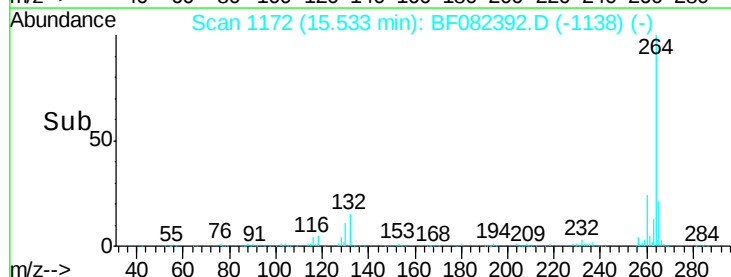
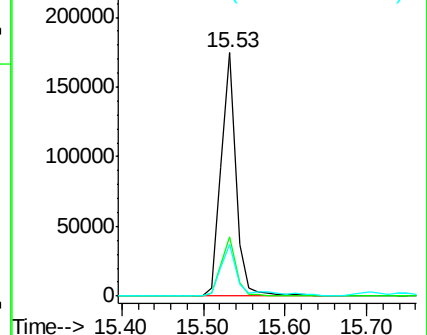
265 21.4 17.3 25.9

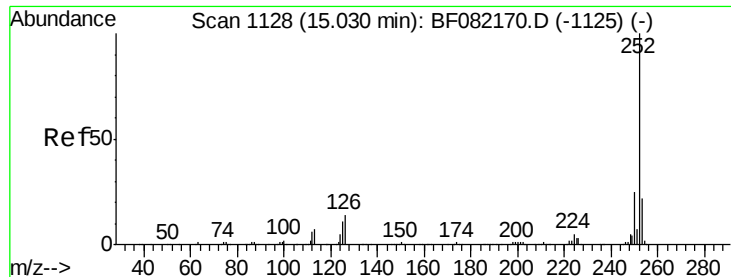


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 26.47 ng

RT: 15.11 min Scan# 1135

Delta R.T. 0.08 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112DL

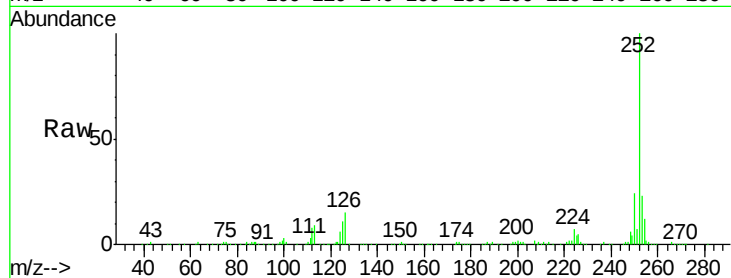
Tot Ion:252 Resp: 362480

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

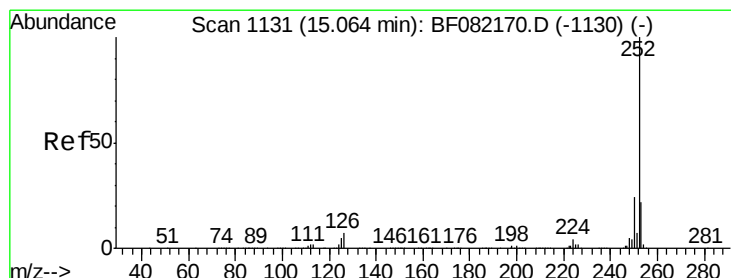
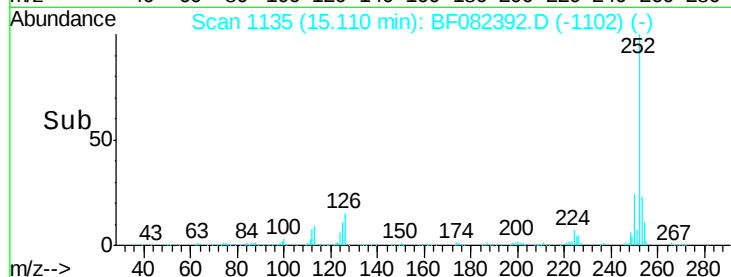
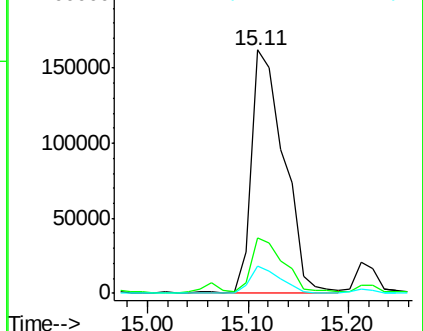
125 11.2 8.6 12.8



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: 31.50 ng

RT: 15.11 min Scan# 1135

Delta R.T. 0.05 min

Lab File: BF082392.D

Acq: 20 Oct 2015 9:48

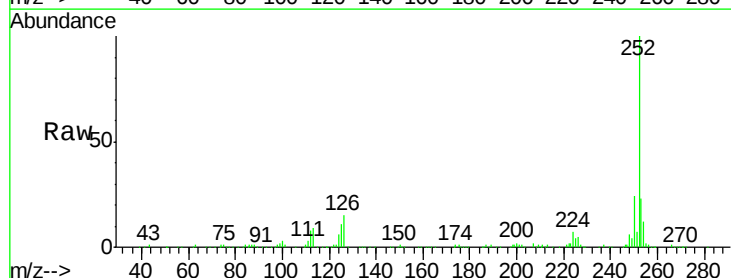
Tgt Ion:252 Resp: 362480

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

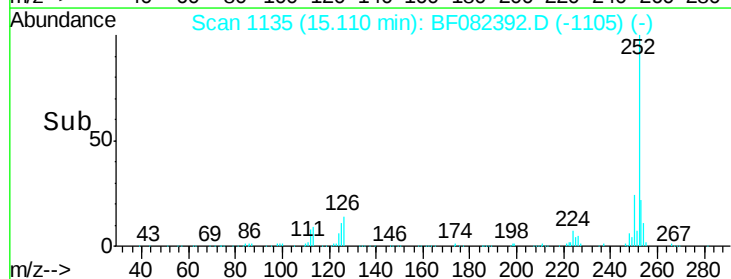
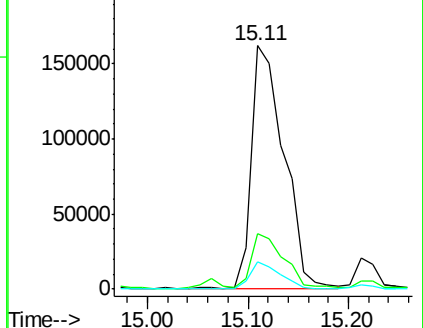
125 11.2 6.7 10.1#

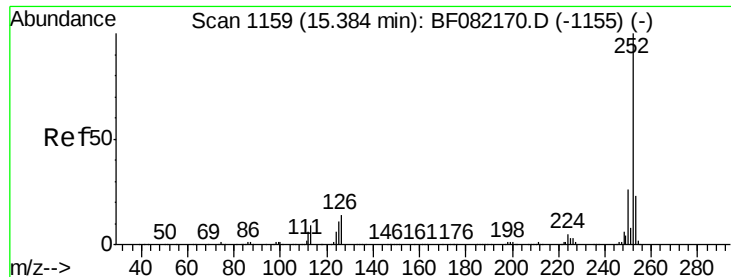


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

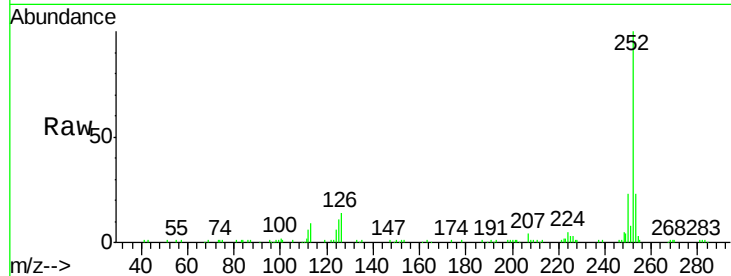




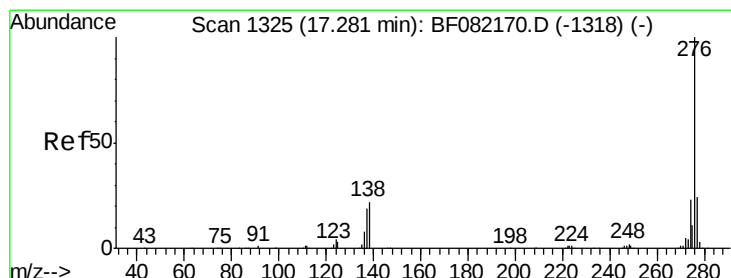
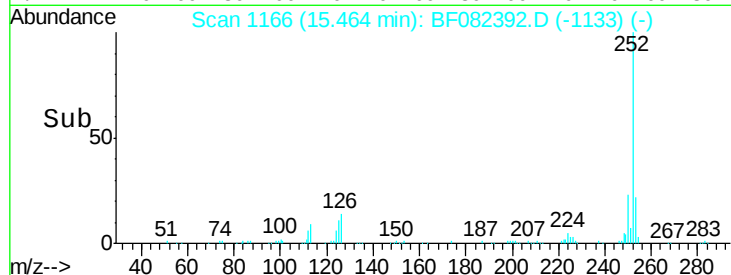
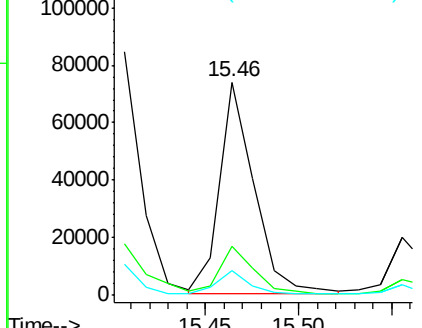
#89
Benzo(a)pyrene
Concen: 8.12 ng
RT: 15.46 min Scan# 1166
Delta R.T. 0.08 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tot Ion:252 Resp: 95559
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.4 8.9 13.3

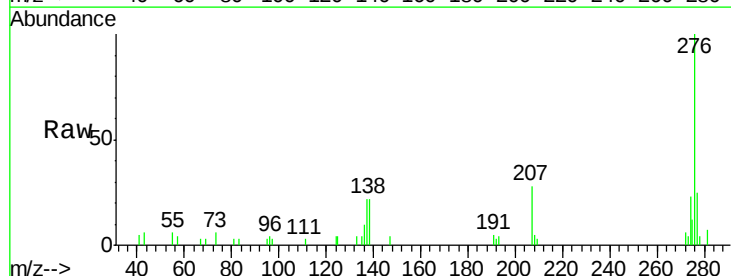


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.65 ng
RT: 17.37 min Scan# 1333
Delta R.T. 0.09 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:276 Resp: 24780
Ion Ratio Lower Upper
276 100
277 24.9 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

