

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100915\
 Data File : BF082158.D
 Acq On : 9 Oct 2015 21:45
 Operator : UM/IZ
 Sample : G3921-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

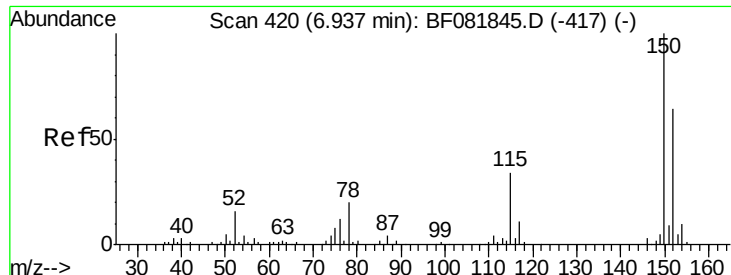
Quant Time: Oct 09 22:54:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107444	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	408438	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	175733	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	279411	20.00	ng	0.00
75) Chrysene-d12	14.02	240	245060	20.00	ng	-0.01
86) Perylene-d12	15.46	264	174320	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	546659	92.36	ng	0.01
7) Phenol-d6	6.49	99	759726	102.01	ng	0.00
23) Nitrobenzene-d5	7.42	82	414286	67.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	147187	82.70	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	653541	58.57	ng	-0.01
78) Terphenyl-d14	12.97	244	473350	56.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	54826	12.11	ng	# 59
49) Dimethylphthalate	9.61	163	162927	13.43	ng	# 97
56) 2,4-Dinitrotoluene	9.90	165	22559	6.72	ng	# 34
57) Fluorene	10.45	166	8848	Below Cal		# 79
66) 4-Bromophenyl-phenylether	10.69	248	9857	3.50	ng	# 1
70) Phenanthrene	11.41	178	94622	5.58	ng	98
71) Anthracene	11.45	178	33428	2.35	ng	98
73) Di-n-butylphthalate	11.94	149	12351	Below Cal		# 96
74) Fluoranthene	12.60	202	177912	11.89	ng	88
77) Pyrene	12.82	202	158800	10.85	ng	98
80) Benzo(a)anthracene	14.01	228	96262	7.29	ng	94
82) Chrysene	14.01	228	96262	6.53	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	201406	29.15	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.88	276	30191	2.92	ng	# 78
87) Benzo(b)fluoranthene	15.05	252	110194	11.07	ng	# 88
88) Benzo(k)fluoranthene	15.05	252	110194	12.08	ng	# 89
89) Benzo(a)pyrene	15.34	252	37929	4.39	ng	94
91) Benzo(g,h,i)perylene	17.30	276	32294	4.35	ng	# 74

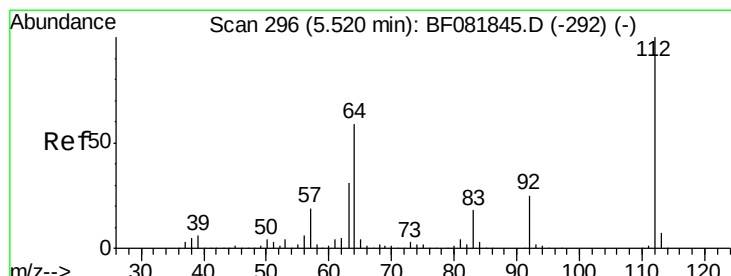
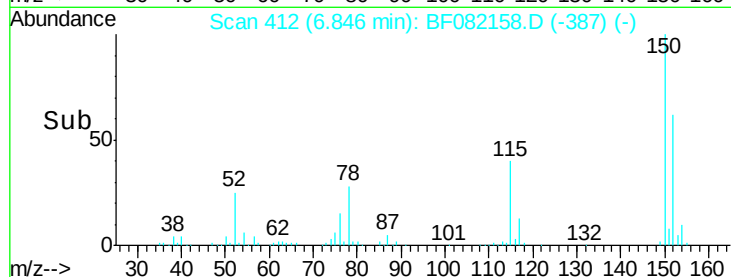
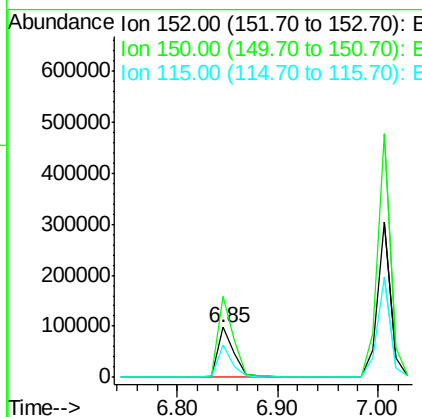
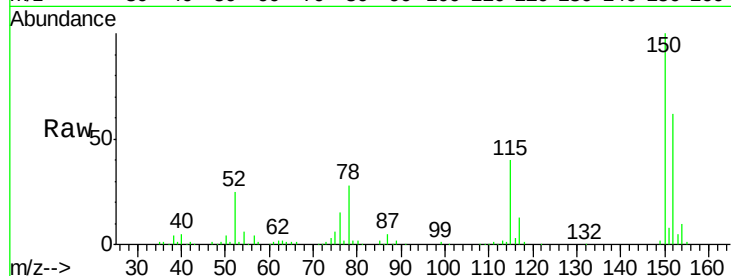
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

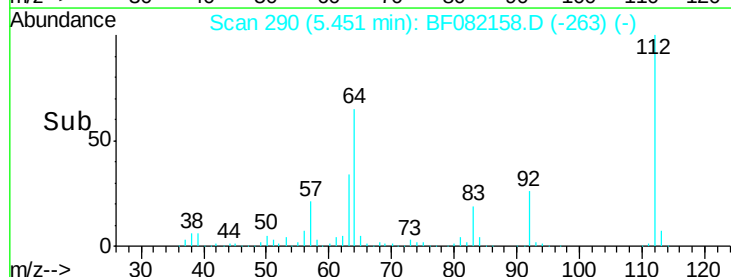
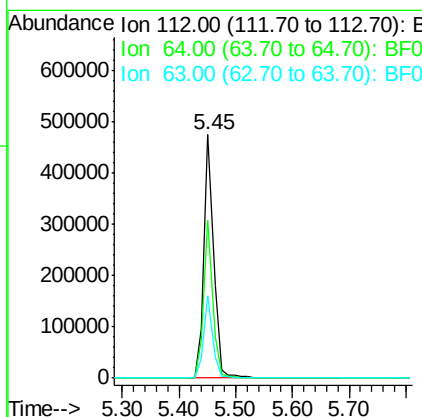
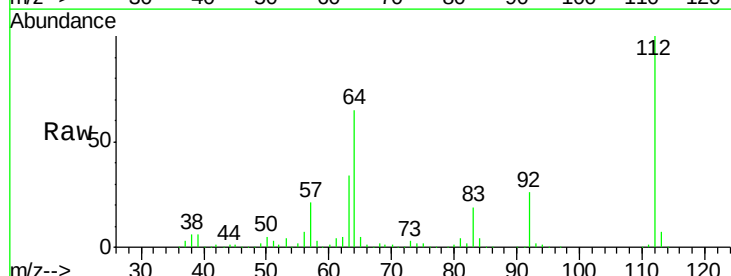
Instrument :
 BNA_F
 ClientSampleId :

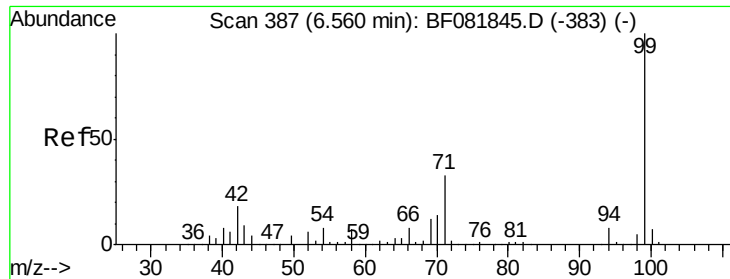
Tot Ion:152 Resp: 107444
 Ion Ratio Lower Upper
 152 100
 150 162.0 124.7 187.1
 115 64.2 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 92.36 ng
 RT: 5.45 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:112 Resp: 546659
 Ion Ratio Lower Upper
 112 100
 64 65.0 39.7 59.5#
 63 33.9 17.4 26.0#





#7

Phenol-d6

Concen: 102.01 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

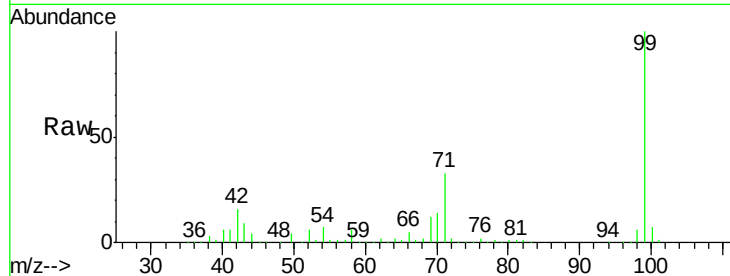
Tot Ion: 99 Resp: 759726

Ion Ratio Lower Upper

99 100

42 16.1 13.7 20.5

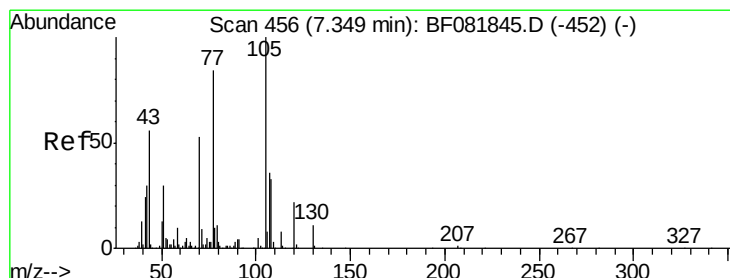
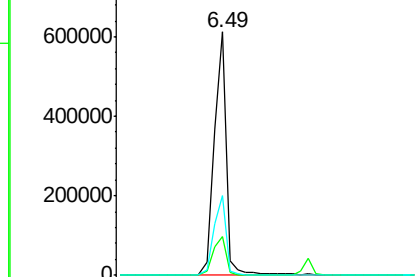
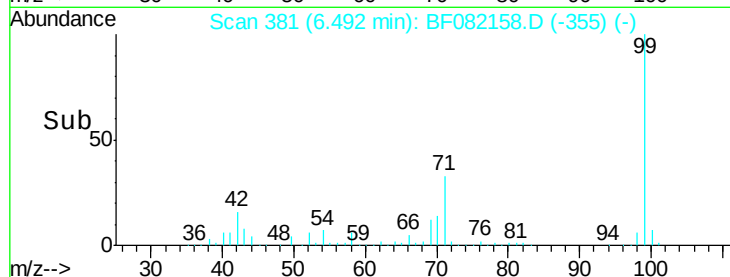
71 32.5 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.11 ng

RT: 7.42 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Tgt Ion: 70 Resp: 54826

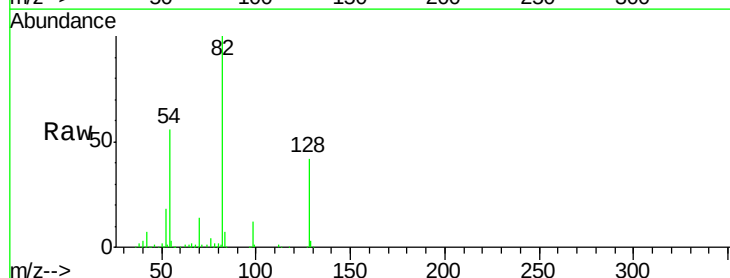
Ion Ratio Lower Upper

70 100

42 47.5 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

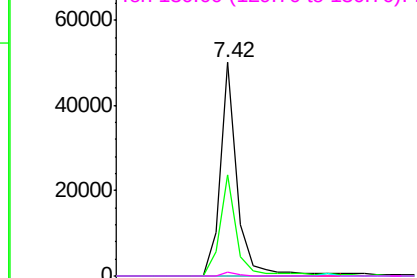
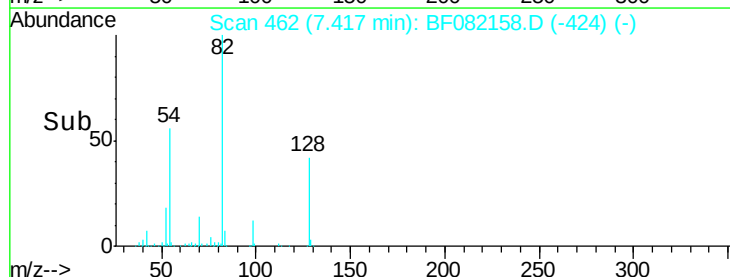


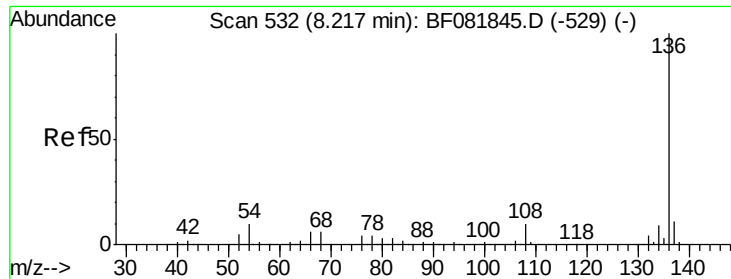
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

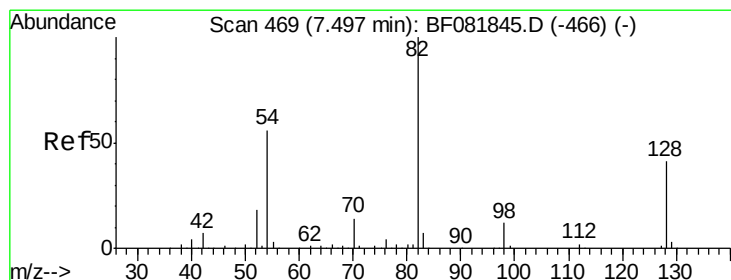
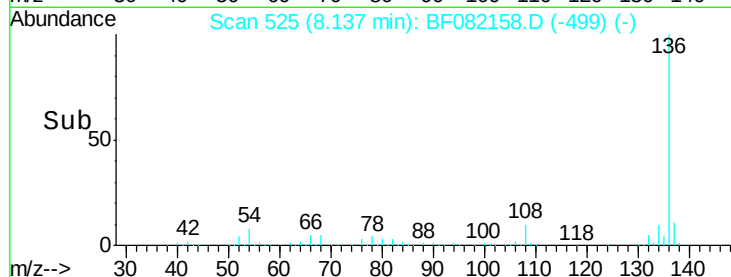
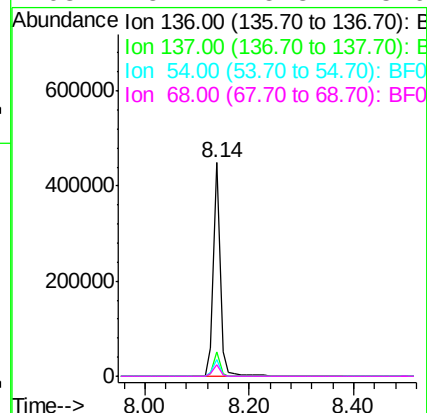
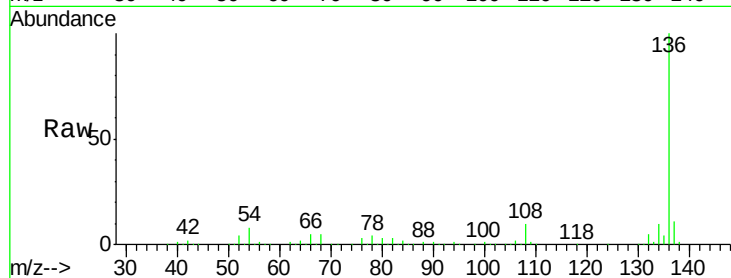




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

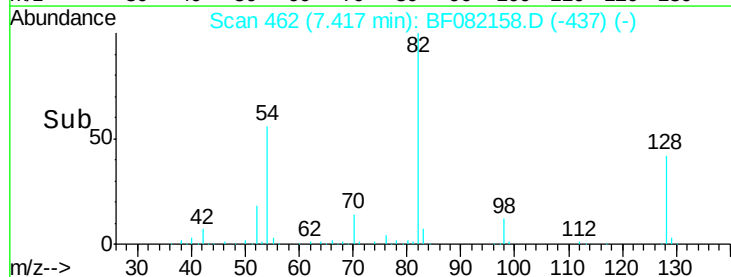
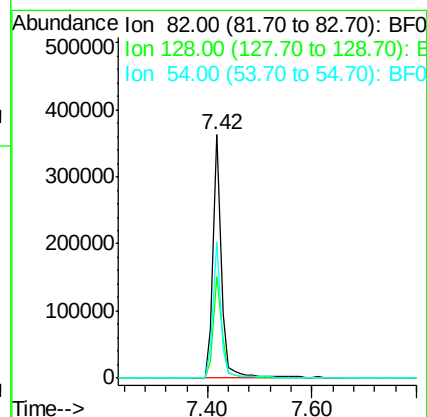
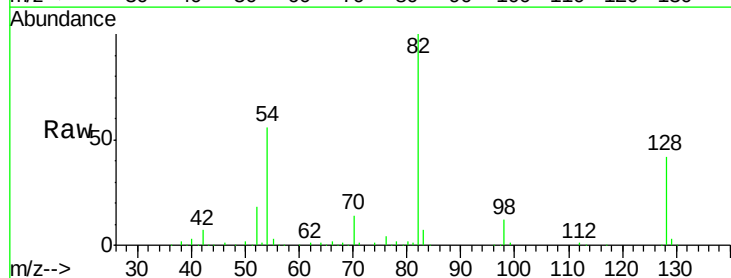
Instrument :
BNA_F
ClientSampleId :

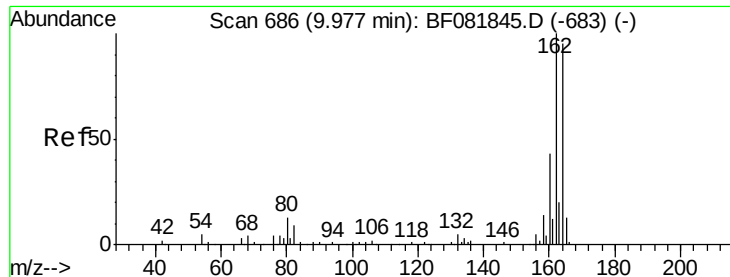
Tot Ion:	136	Resp:	408438
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.0	8.2	12.2#
68	5.1	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 67.61 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion:	82	Resp:	414286
Ion	Ratio	Lower	Upper
82	100		
128	41.7	51.0	76.6#
54	55.8	47.5	71.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

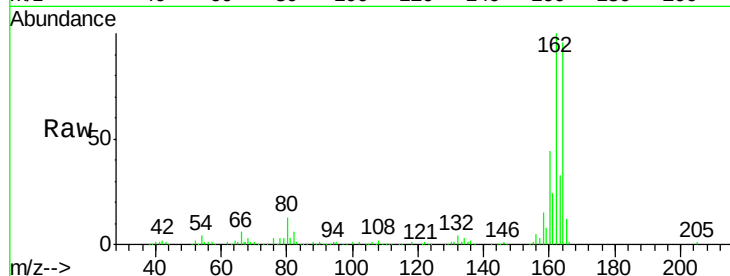
Tot Ion:164 Resp: 175733

Ion Ratio Lower Upper

164 100

162 104.0 75.2 112.8

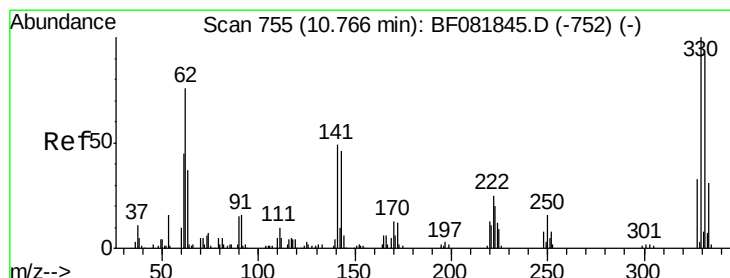
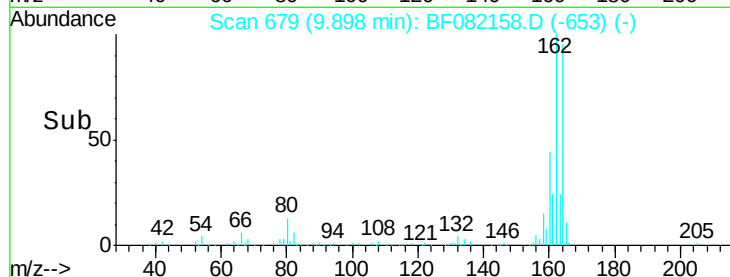
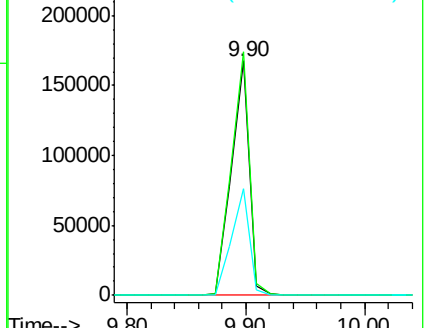
160 45.5 31.5 47.3



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: 82.70 ng

RT: 10.69 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

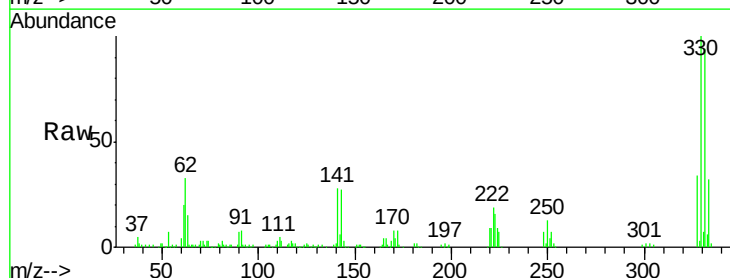
Tgt Ion:330 Resp: 147187

Ion Ratio Lower Upper

330 100

332 95.0 76.6 114.8

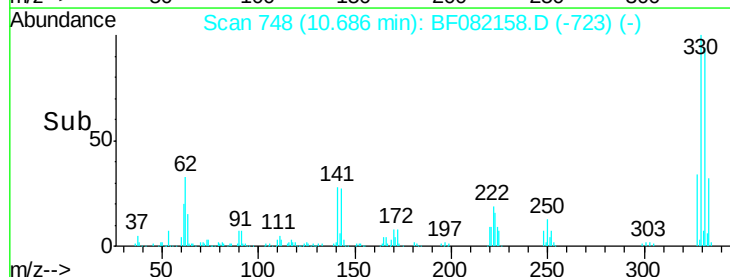
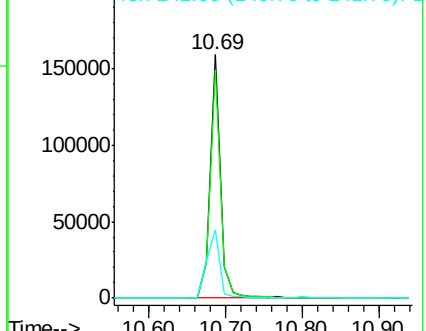
141 35.7 29.7 44.5

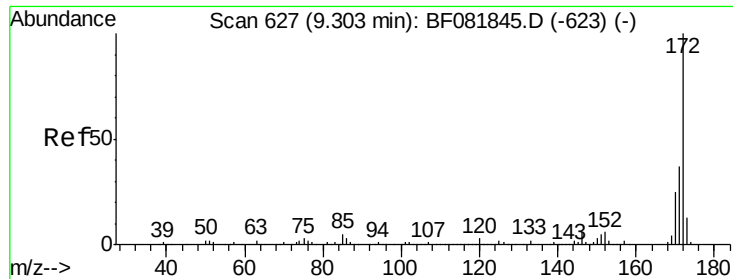


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

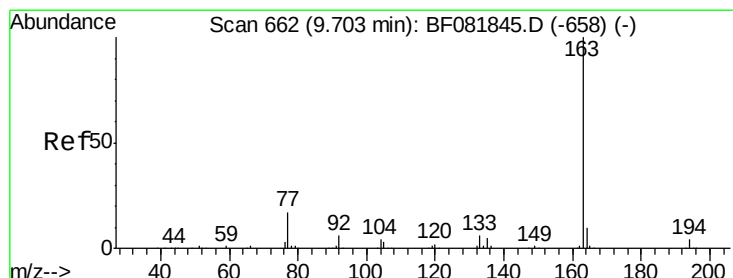
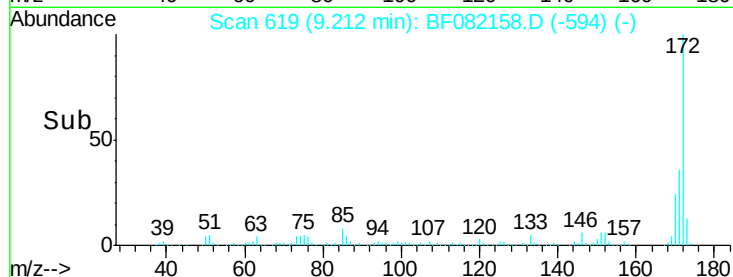
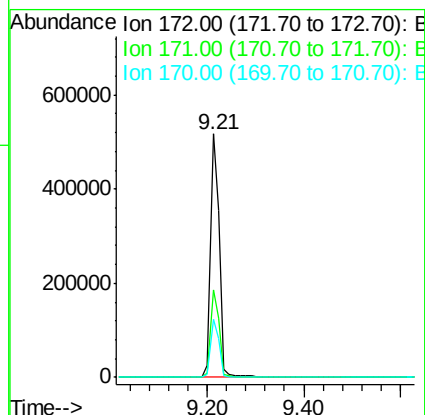
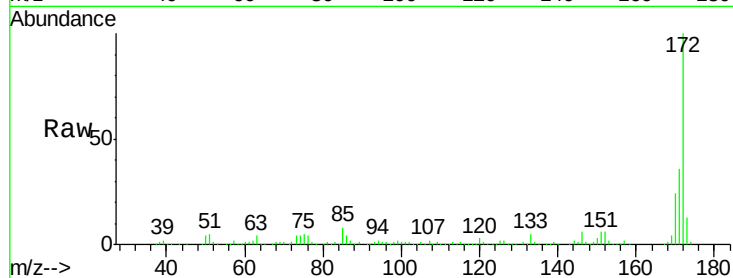




#44
 2-Fluorobiphenyl
 Concen: 58.57 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

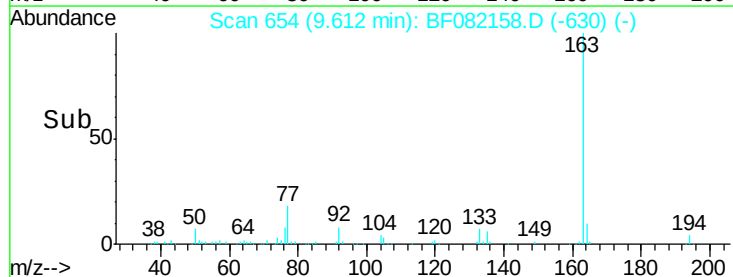
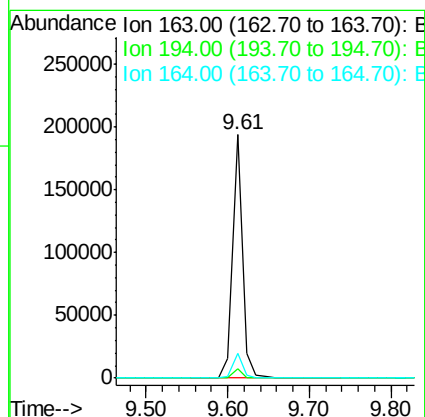
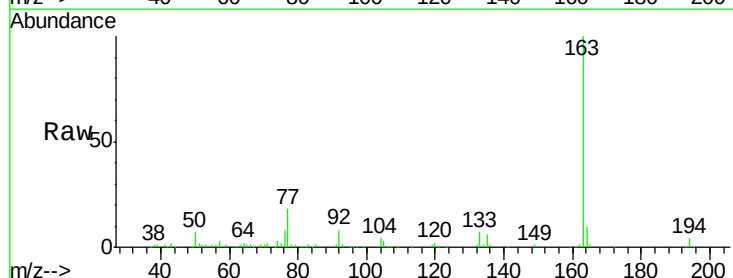
Instrument :
 BNA_F
 ClientSampleId :

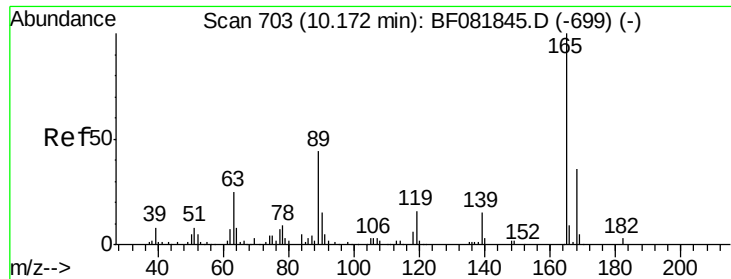
Tot Ion:172 Resp: 653541
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.1 39.1
 170 23.9 17.4 26.2



#49
 Dimethylphthalate
 Concen: 13.43 ng
 RT: 9.61 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:163 Resp: 162927
 Ion Ratio Lower Upper
 163 100
 194 3.6 4.4 6.6#
 164 10.0 8.3 12.5

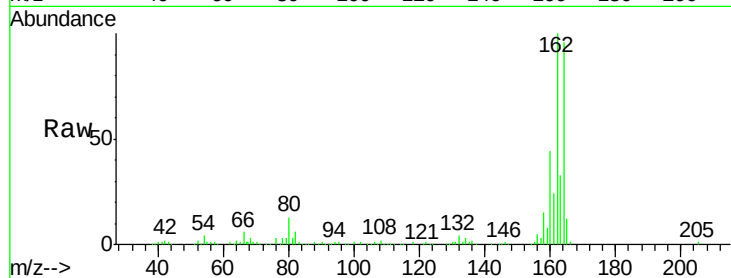




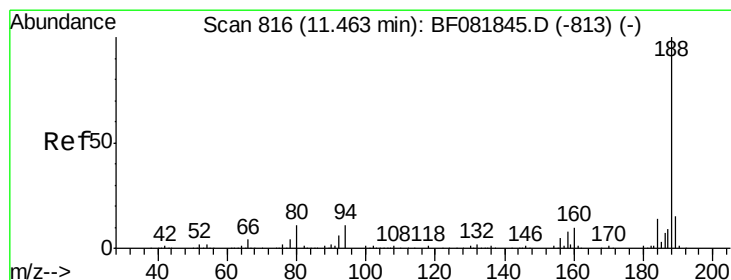
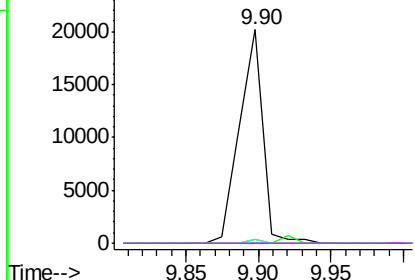
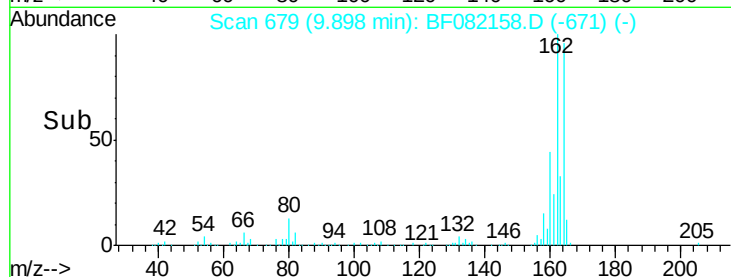
#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.21 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22559
 Ion Ratio Lower Upper
 165 100
 63 1.6 29.8 44.6#
 89 1.6 44.5 66.7#
 182 0.0 3.0 4.4#

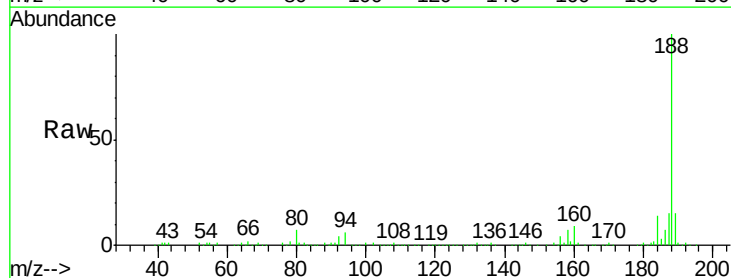


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

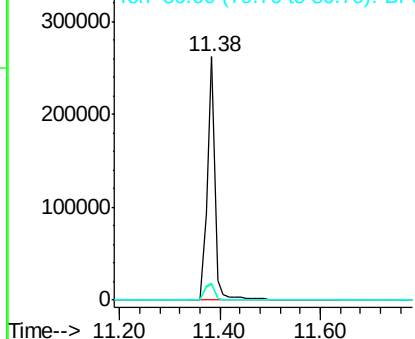
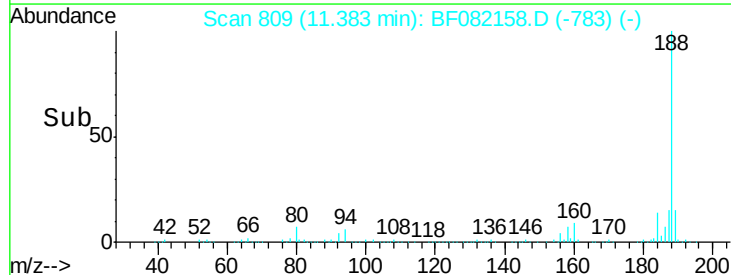


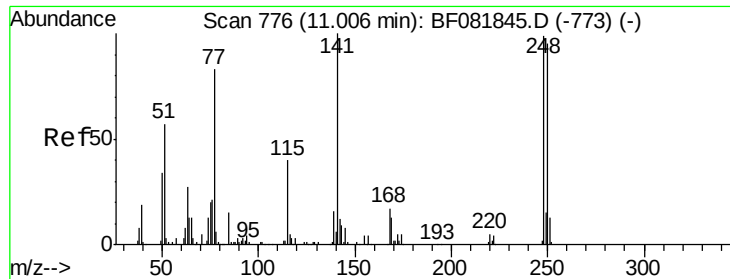
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:188 Resp: 279411
 Ion Ratio Lower Upper
 188 100
 94 6.4 11.1 16.7#
 80 6.8 11.0 16.4#



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: 3.50 ng

RT: 10.69 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampled :

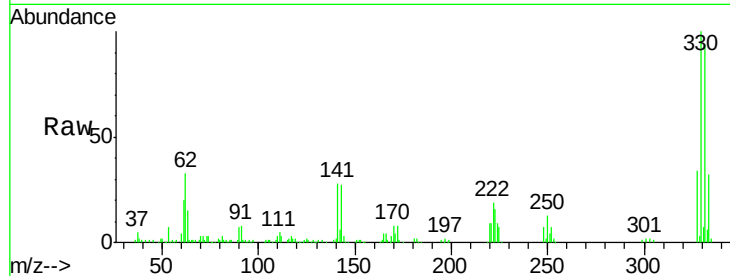
Tot Ion:248 Resp: 9857

Ion Ratio Lower Upper

248 100

250 197.8 78.5 117.7#

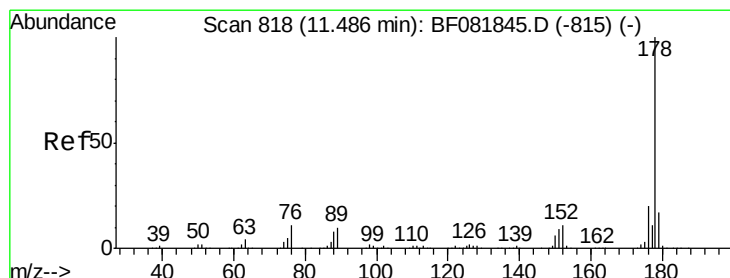
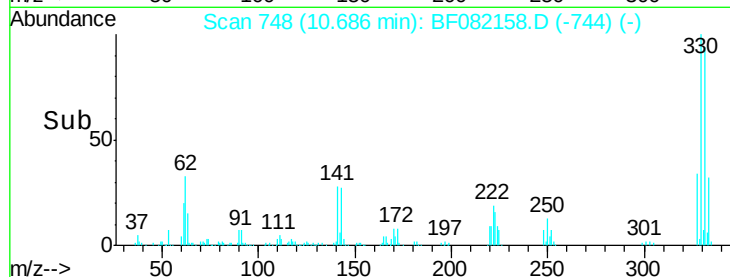
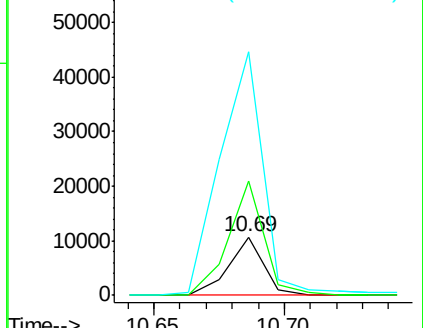
141 419.7 59.0 88.6#



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: 5.58 ng

RT: 11.41 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

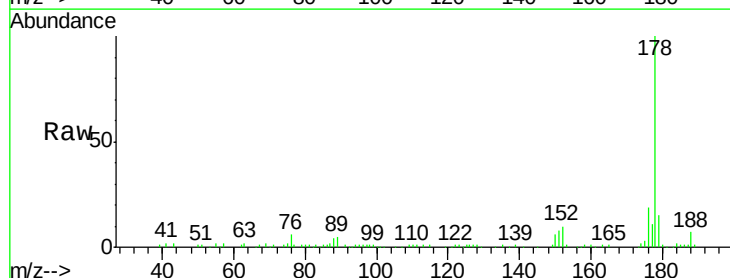
Tgt Ion:178 Resp: 94622

Ion Ratio Lower Upper

178 100

176 18.7 13.8 20.8

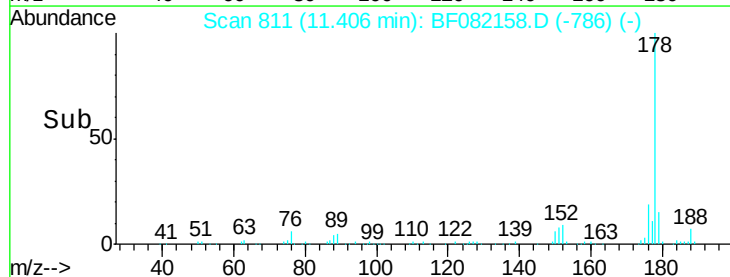
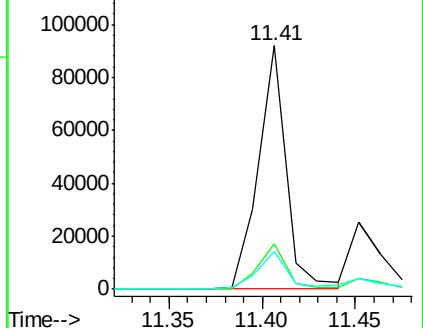
179 15.2 12.2 18.2

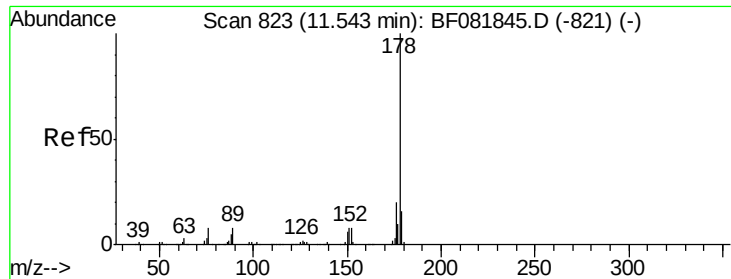


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

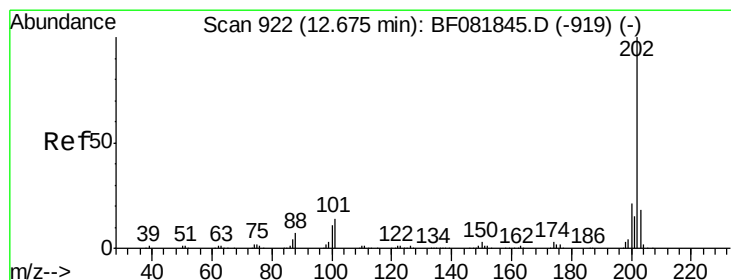
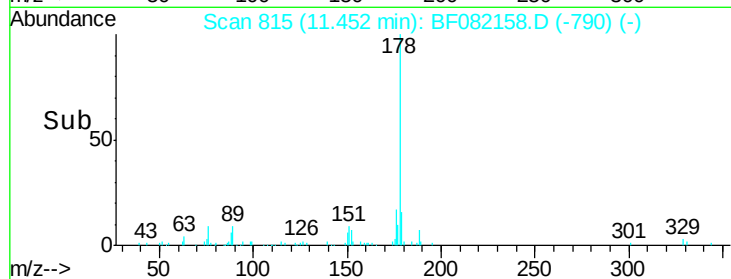
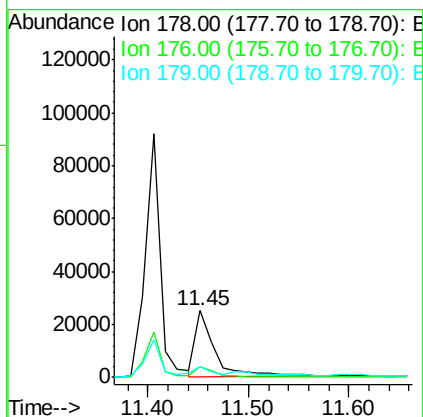
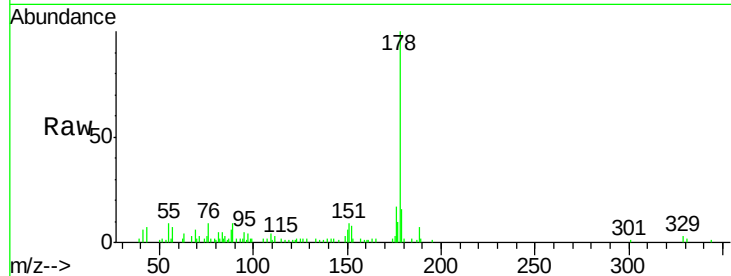




#71
 Anthracene
 Concen: 2.35 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

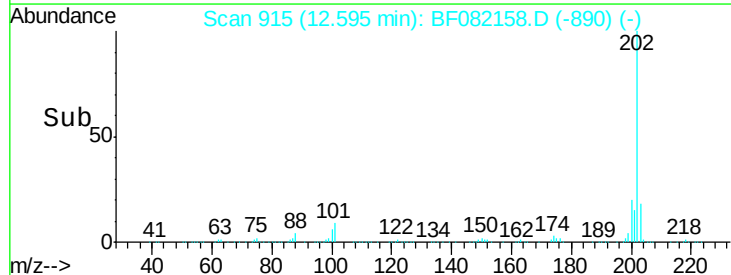
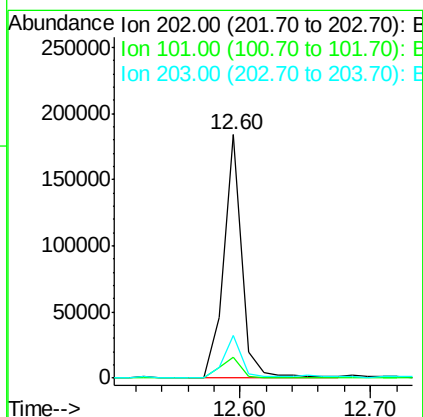
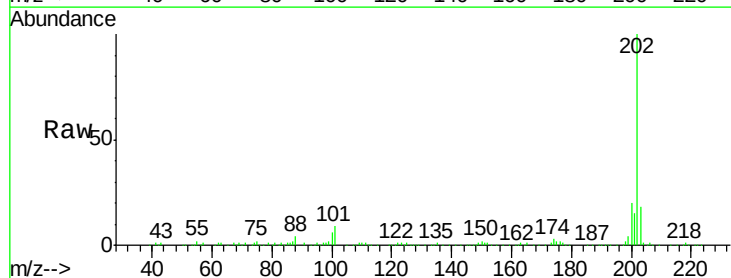
Instrument :
 BNA_F
 ClientSampleId :

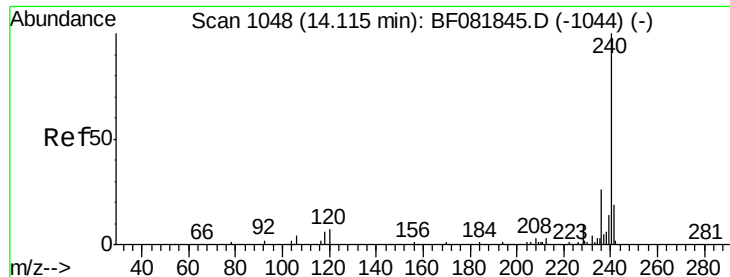
Tot Ion:178 Resp: 33428
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.1 21.1
 179 16.4 12.2 18.2



#74
 Fluoranthene
 Concen: 11.89 ng
 RT: 12.60 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:202 Resp: 177912
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 38.3
 203 17.7 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

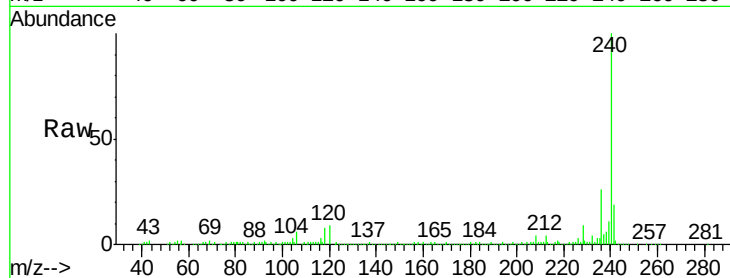
Tot Ion:240 Resp: 245060

Ion Ratio Lower Upper

240 100

120 8.7 16.2 24.2#

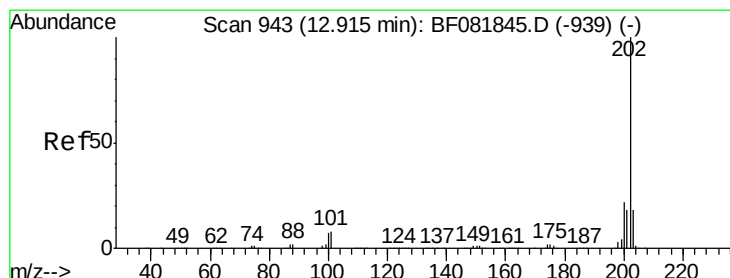
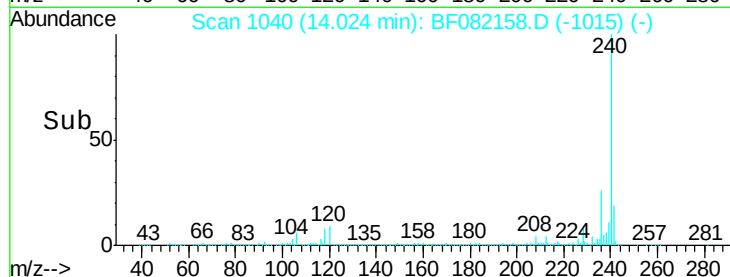
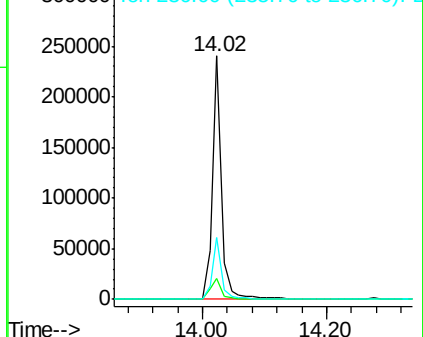
236 25.6 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.85 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

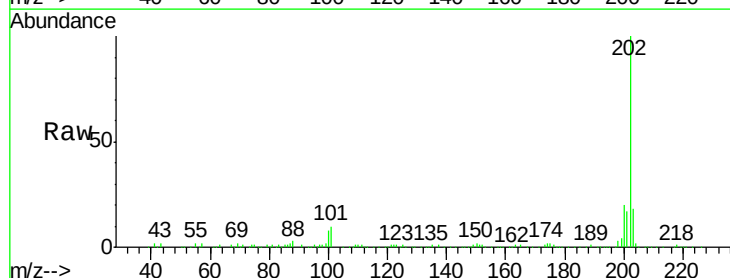
Tgt Ion:202 Resp: 158800

Ion Ratio Lower Upper

202 100

200 20.3 15.0 22.4

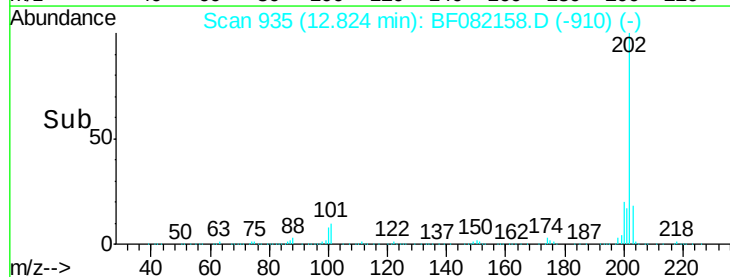
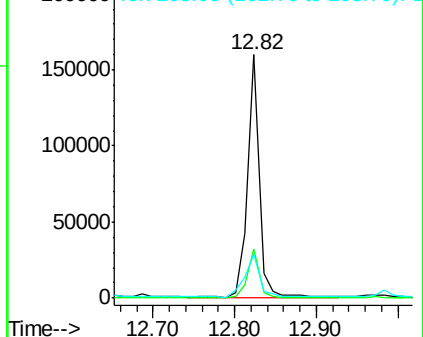
203 18.0 14.1 21.1

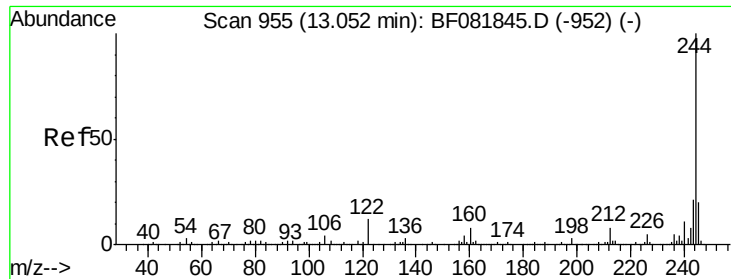


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

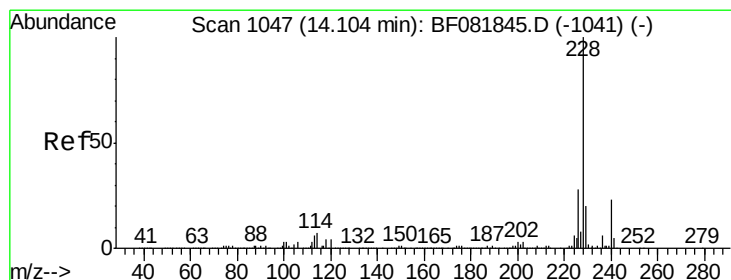
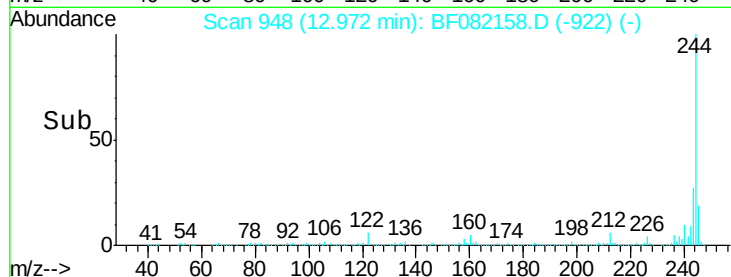
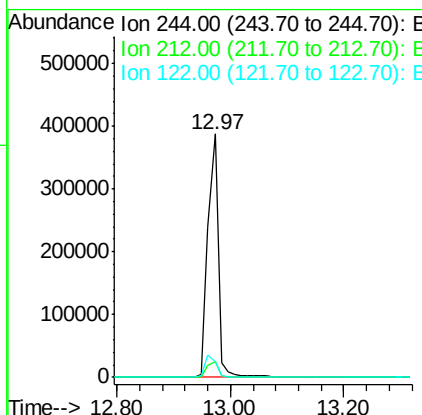
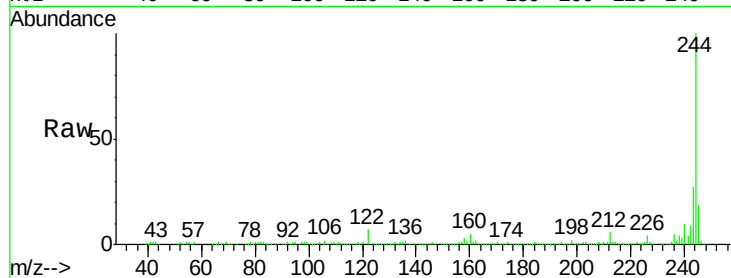




#78
 Terphenyl-d14
 Concen: 56.92 ng
 RT: 12.97 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

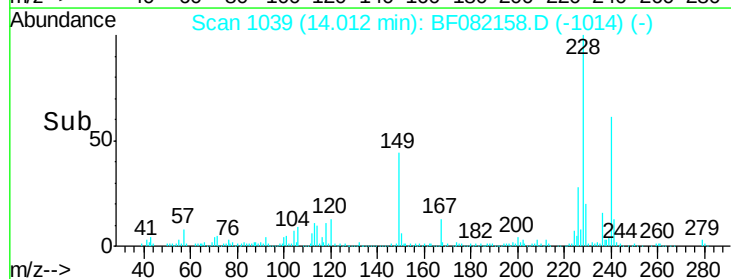
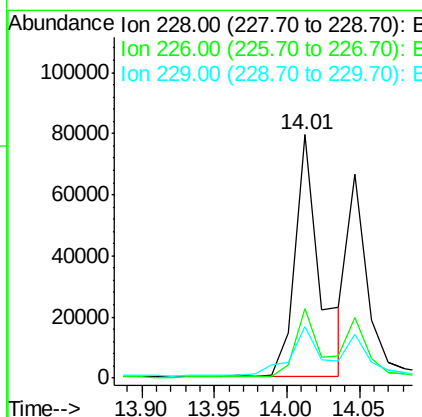
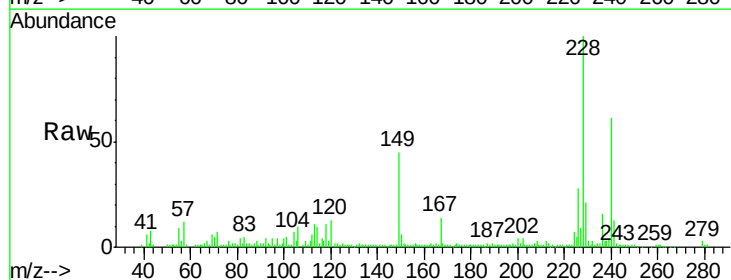
Instrument :
 BNA_F
 ClientSampled :

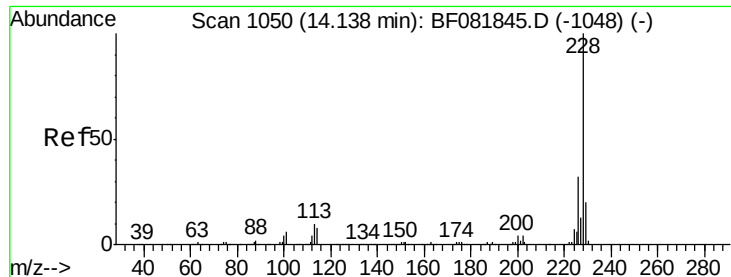
Tot Ion:244 Resp: 473350
 Ion Ratio Lower Upper
 244 100
 212 6.5 4.3 6.5
 122 6.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.29 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:228 Resp: 96262
 Ion Ratio Lower Upper
 228 100
 226 28.4 20.0 30.0
 229 21.3 15.4 23.2





#82

Chrysene

Concen: 6.53 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

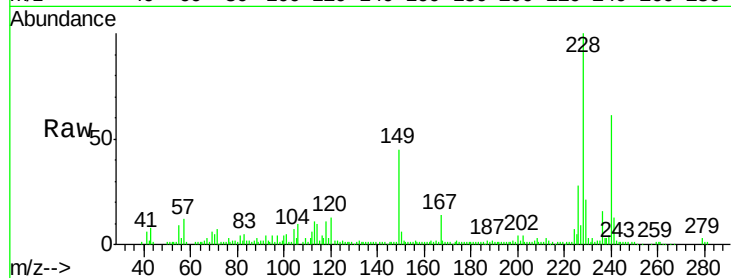
Tot Ion:228 Resp: 96262

Ion Ratio Lower Upper

228 100

226 28.4 21.0 31.4

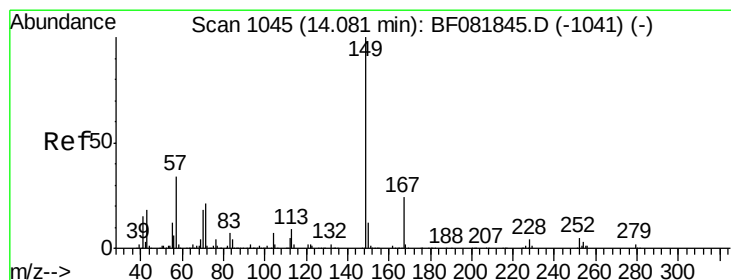
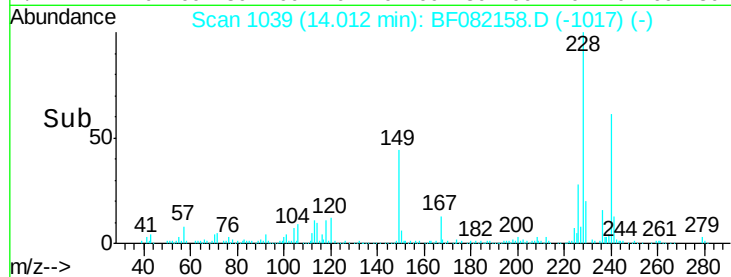
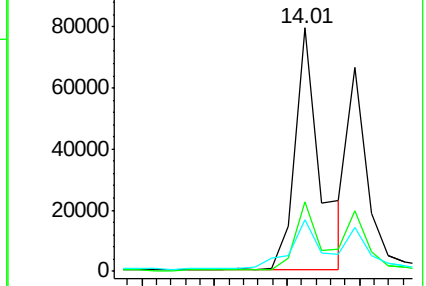
229 21.3 15.6 23.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 29.15 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

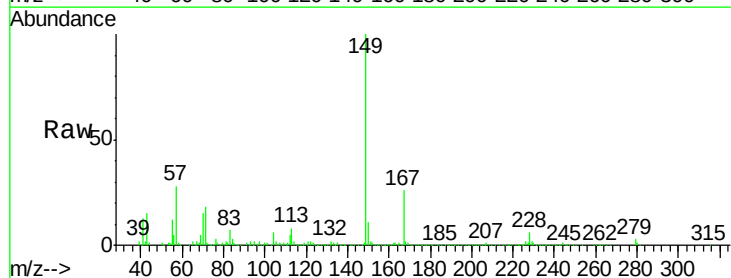
Tgt Ion:149 Resp: 201406

Ion Ratio Lower Upper

149 100

167 25.9 24.2 36.2

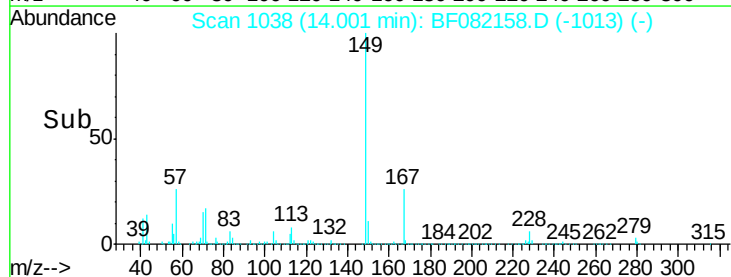
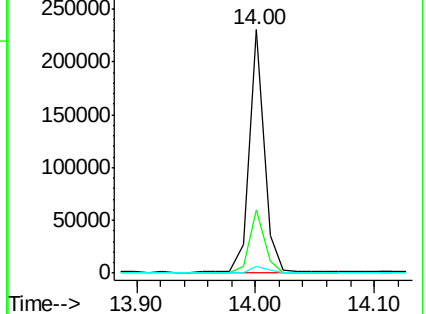
279 2.8 3.8 5.6#

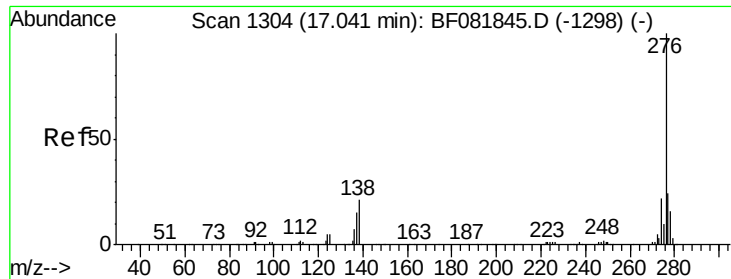


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

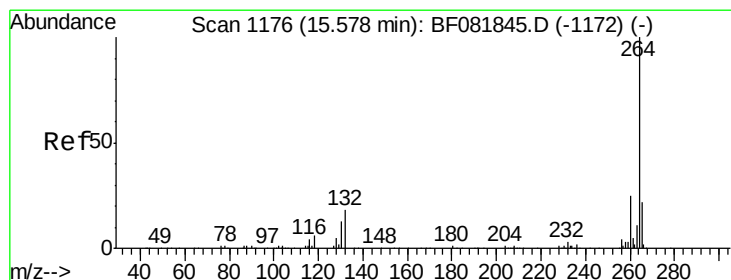
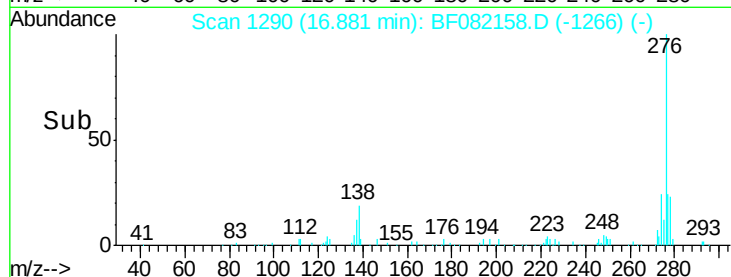
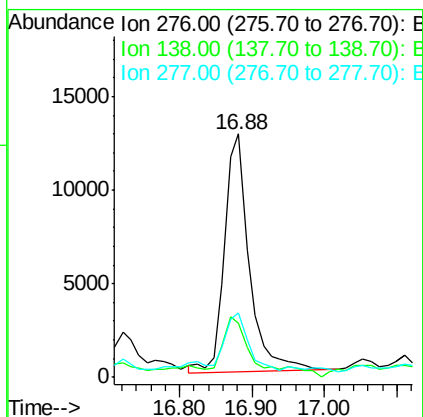
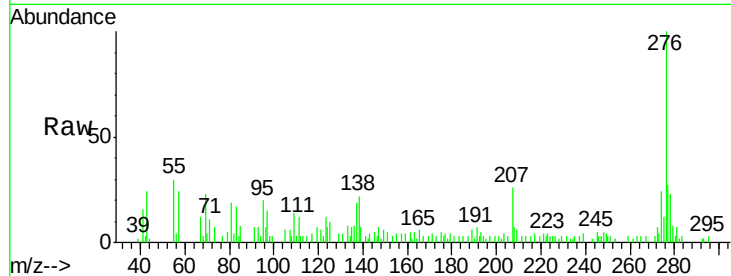




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.92 ng
 RT: 16.88 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

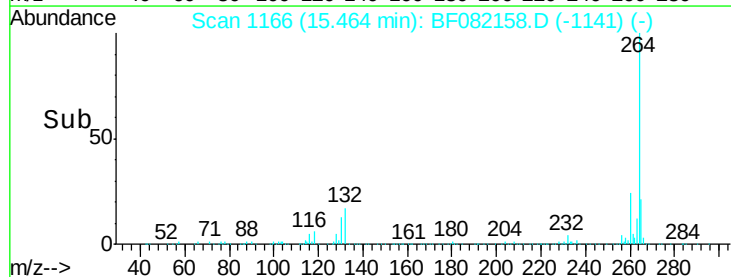
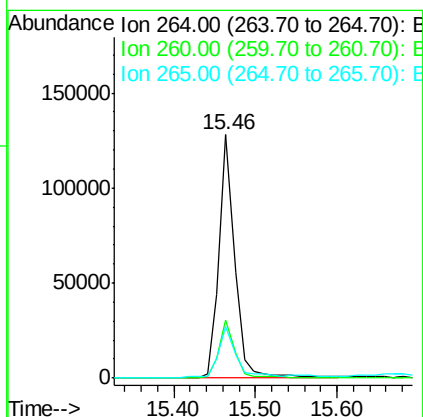
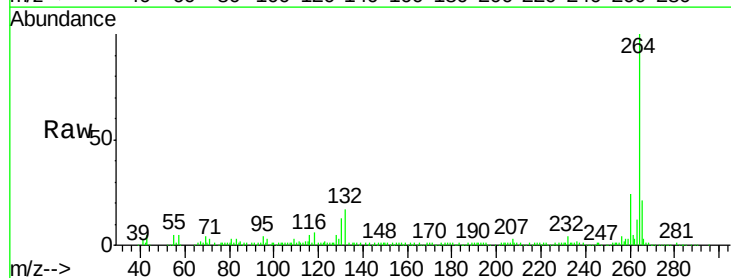
Instrument :
 BNA_F
 ClientSampleId :

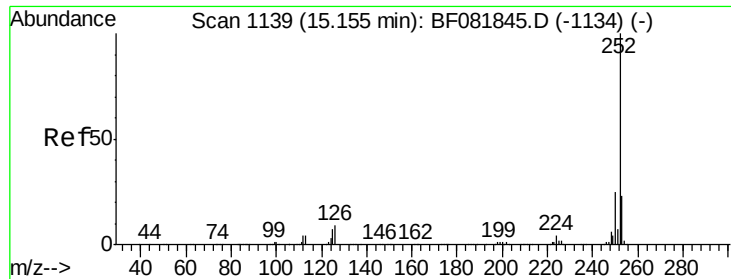
Tot Ion:276 Resp: 30191
 Ion Ratio Lower Upper
 276 100
 138 19.8 25.7 38.5#
 277 30.1 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion:264 Resp: 174320
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 21.4 17.2 25.8

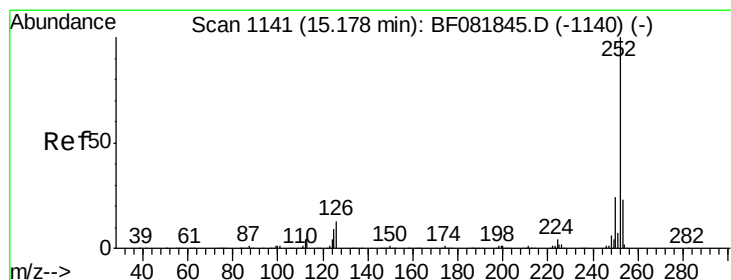
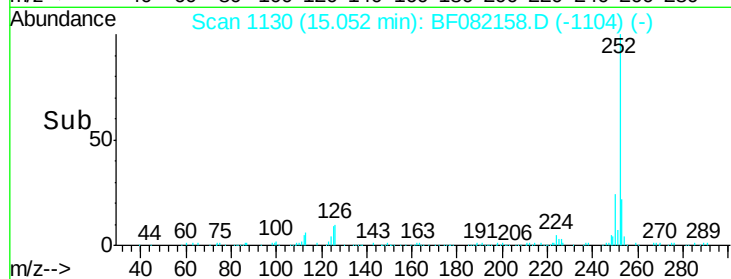
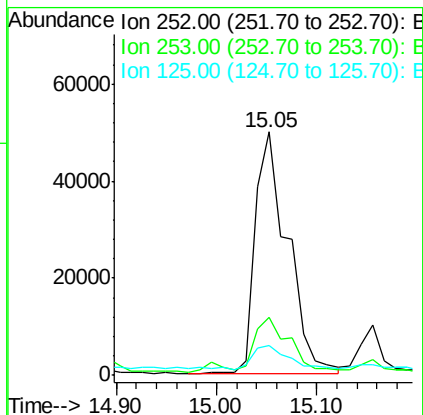
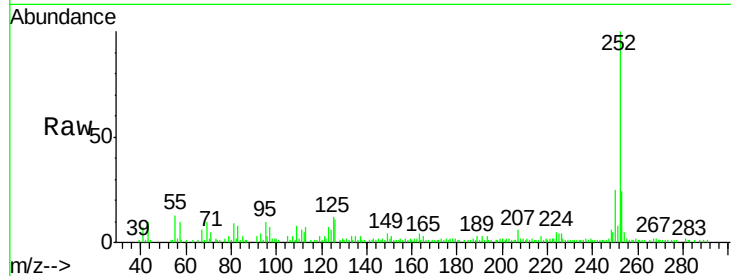




#87
Benzo(b)fluoranthene
Concen: 11.07 ng
RT: 15.05 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

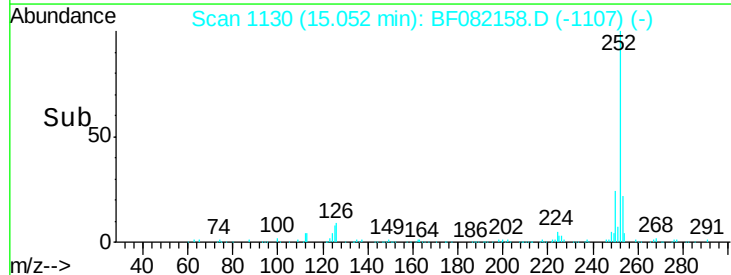
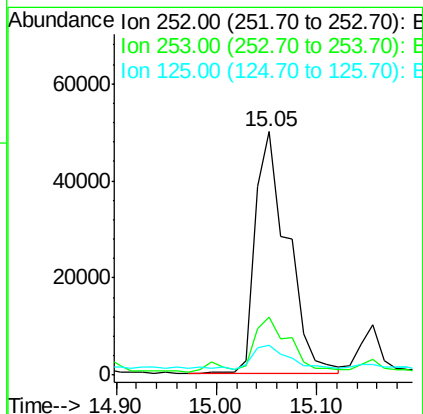
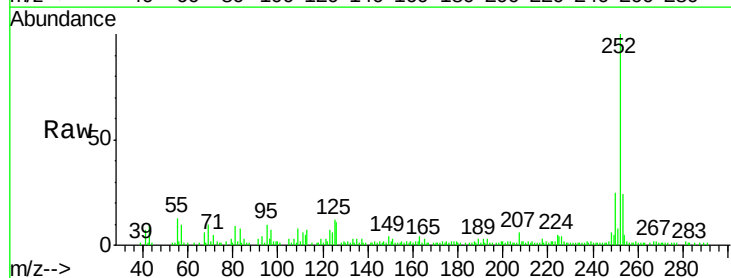
Instrument :
BNA_F
ClientSampleId :

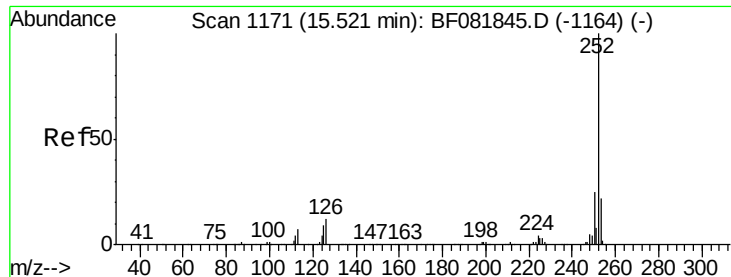
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.0	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 12.08 ng
RT: 15.05 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	12.0	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 4.39 ng

RT: 15.34 min Scan# 1155

Delta R.T. -0.08 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

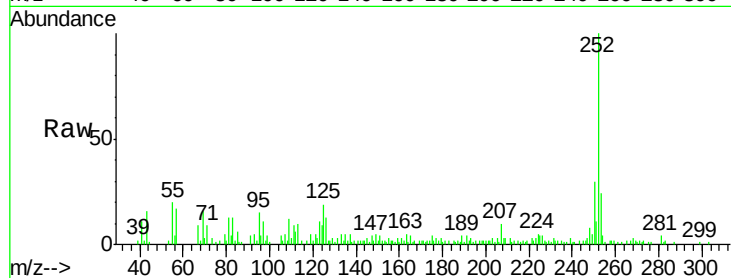
Tot Ion:252 Resp: 37929

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

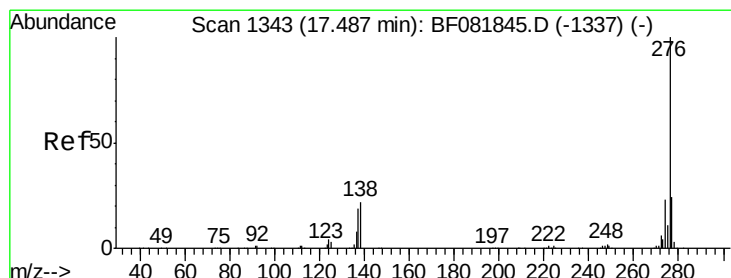
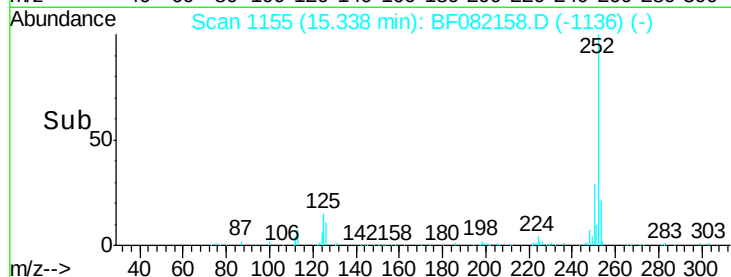
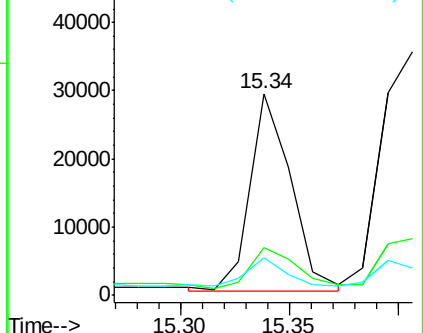
125 18.7 18.0 27.0



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: 4.35 ng

RT: 17.30 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

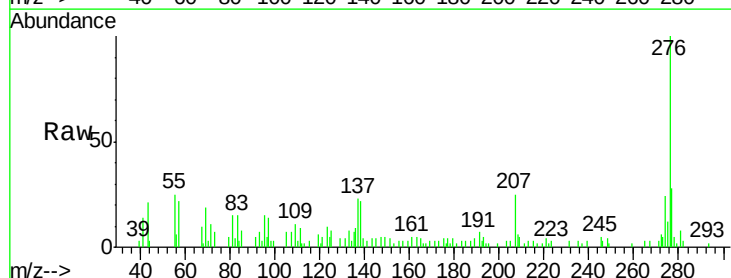
Tgt Ion:276 Resp: 32294

Ion Ratio Lower Upper

276 100

277 28.1 17.8 26.6#

138 22.2 34.6 51.8#



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

