

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
 Data File : BF081745.D
 Acq On : 22 Sep 2015 18:12
 Operator : UM/IZ
 Sample : G3753-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Sep 22 18:45:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

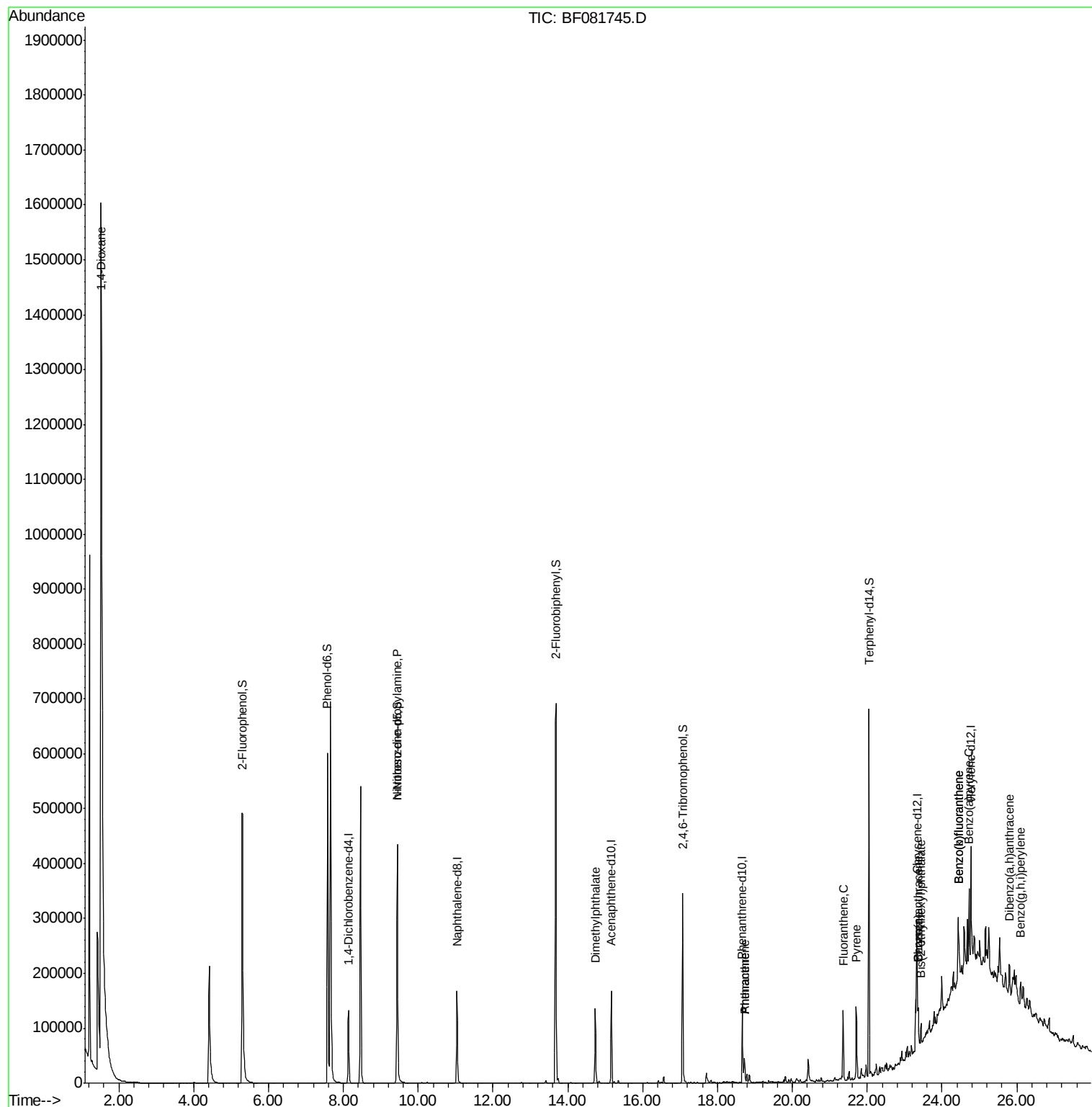
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	36078	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	138035	20.00	ng	-0.01
38) Acenaphthene-d10	15.16	164	59368	20.00	ng	-0.01
63) Phenanthrene-d10	18.67	188	99177	20.00	ng	-0.01
75) Chrysene-d12	23.33	240	71240	20.00	ng	0.00
86) Perylene-d12	24.77	264	72934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	268149	115.32	ng	0.02
7) Phenol-d6	7.58	99	371680	120.75	ng	0.00
23) Nitrobenzene-d5	9.44	82	247930	86.66	ng	-0.01
41) 2,4,6-Tribromophenol	17.07	330	61188	115.75	ng	-0.01
44) 2-Fluorobiphenyl	13.68	172	429860	92.79	ng	-0.01
78) Terphenyl-d14	22.05	244	258994	84.63	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.52	88	104390	99.96	ng	# 11
19) n-Nitroso-di-n-propylamine	9.44	70	32883	15.70	ng	# 64
49) Dimethylphthalate	14.73	163	93113	20.19	ng	# 97
70) Phenanthrene	18.72	178	37618	6.82	ng	96
71) Anthracene	18.72	178	37618	6.64	ng	96
74) Fluoranthene	21.36	202	89039	14.92	ng	87
77) Pyrene	21.71	202	83127	15.75	ng	99
80) Benzo(a)anthracene	23.36	228	40201	8.86	ng	93
82) Chrysene	23.36	228	40201	9.89	ng	95
83) Bis(2-ethylhexyl)phthalate	23.44	149	7181	2.37	ng	# 95
87) Benzo(b)fluoranthene	24.44	252	75734	14.54	ng	# 86
88) Benzo(k)fluoranthene	24.44	252	75426	17.46	ng	# 87
89) Benzo(a)pyrene	24.72	252	41006	9.29	ng	# 87
90) Dibenzo(a,h)anthracene	25.81	278	7796	2.29	ng	# 84
91) Benzo(g,h,i)perylene	26.11	276	24248	7.45	ng	# 72

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

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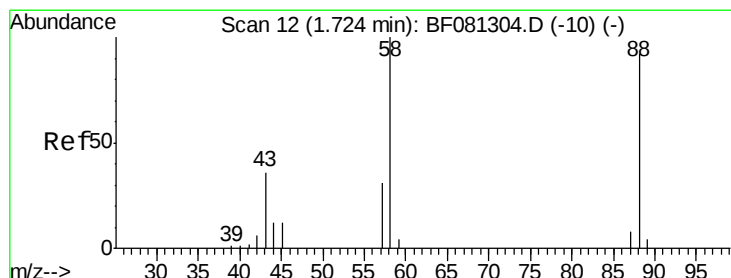
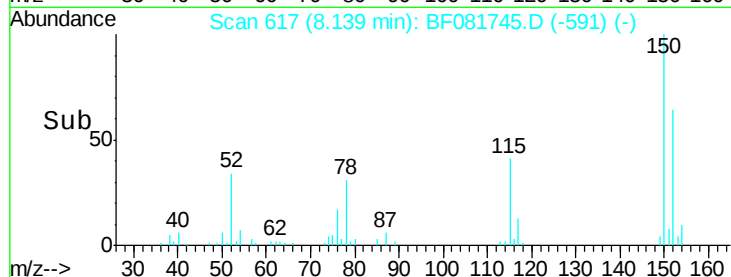
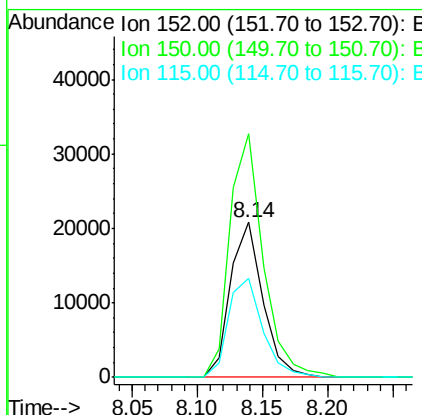
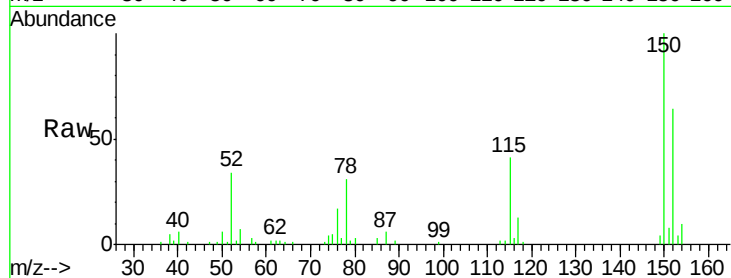


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF081745.D
Acq: 22 Sep 2015 18:12

Instrument :
BNA_F
ClientSampleId :
SP-2

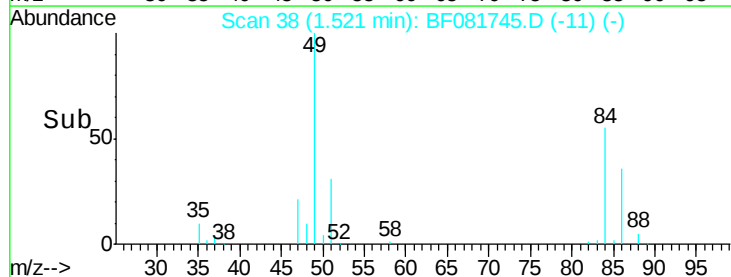
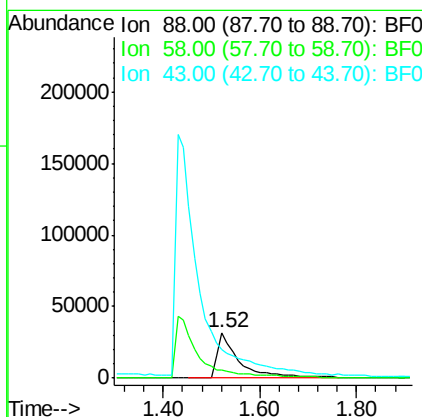
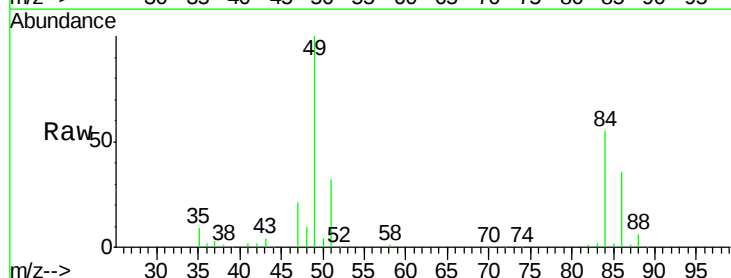
Tgt Ion:152 Resp: 36078
Ion Ratio Lower Upper
152 100
150 157.0 124.7 187.1
115 64.0 39.0 58.4#

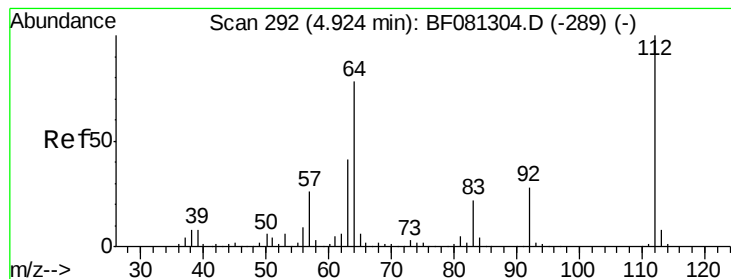


#2

1,4-Dioxane
Concen: 99.96 ng
RT: 1.52 min Scan# 38
Delta R.T. 0.01 min
Lab File: BF081745.D
Acq: 22 Sep 2015 18:12

Tgt Ion: 88 Resp: 104390
Ion Ratio Lower Upper
88 100
58 0.0 77.7 116.5#
43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 115.32 ng

RT: 5.30 min Scan# 369

Delta R.T. 0.02 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

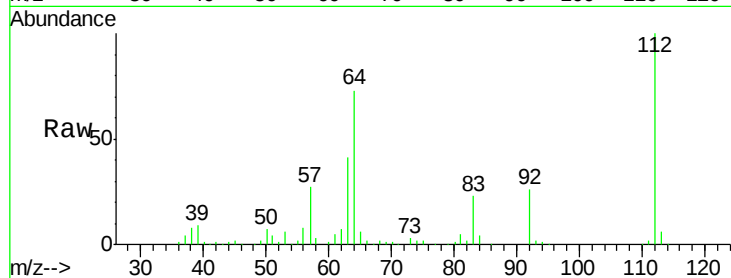
Tgt Ion: 112 Resp: 268149

Ion Ratio Lower Upper

112 100

64 73.5 39.7 59.5#

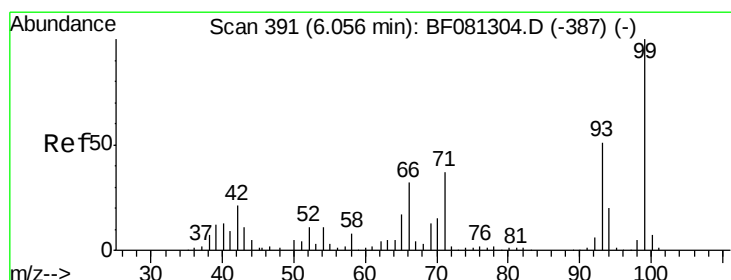
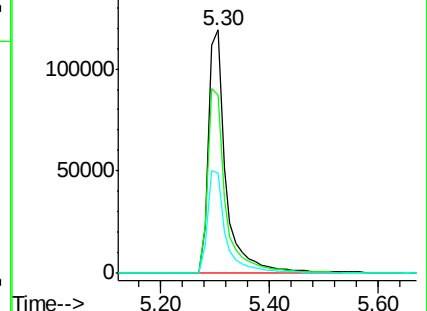
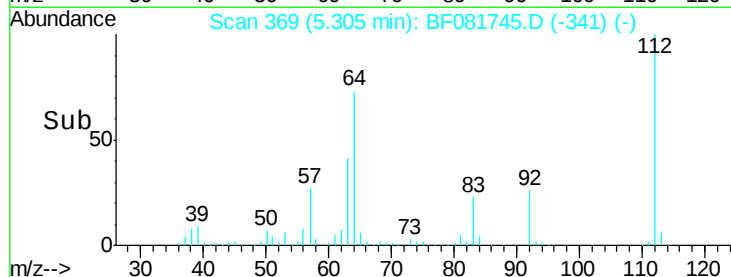
63 41.4 17.4 26.0#



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: 120.75 ng

RT: 7.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

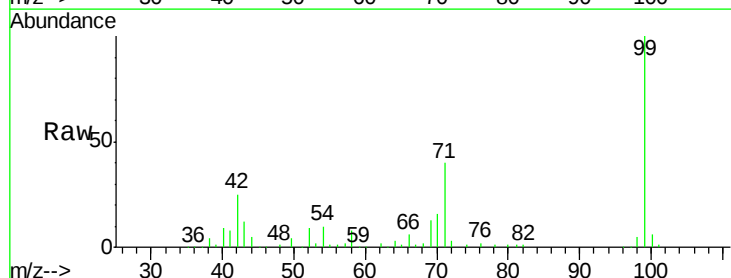
Tgt Ion: 99 Resp: 371680

Ion Ratio Lower Upper

99 100

42 25.0 13.7 20.5#

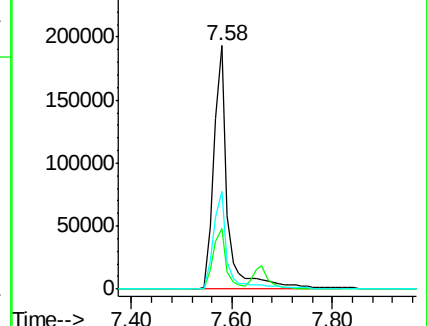
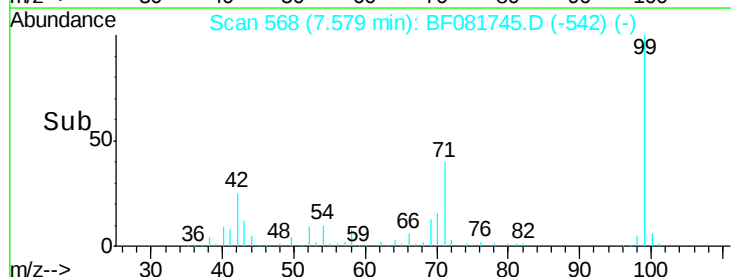
71 39.9 14.2 21.2#

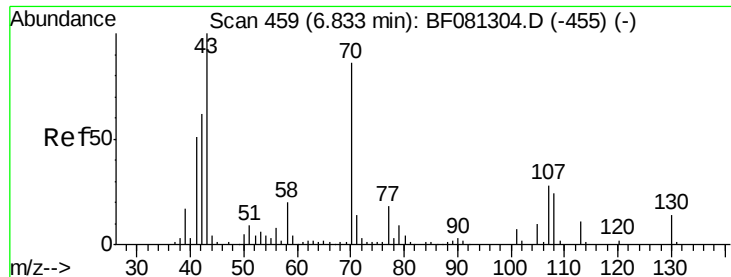


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

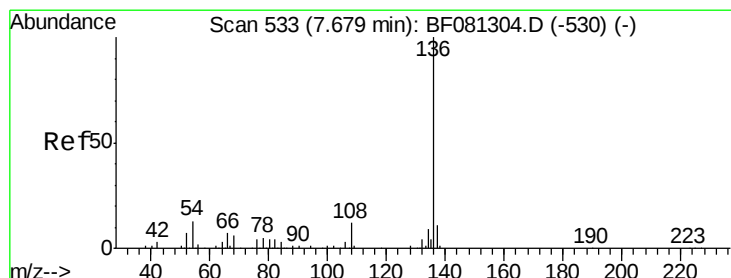
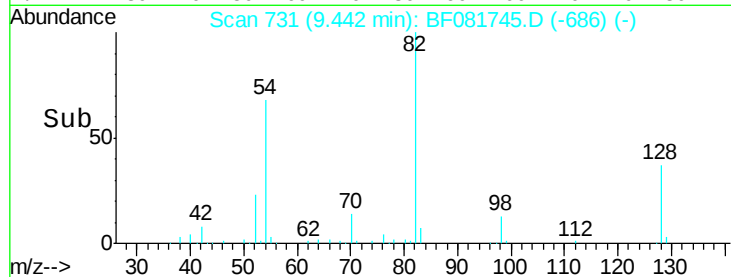
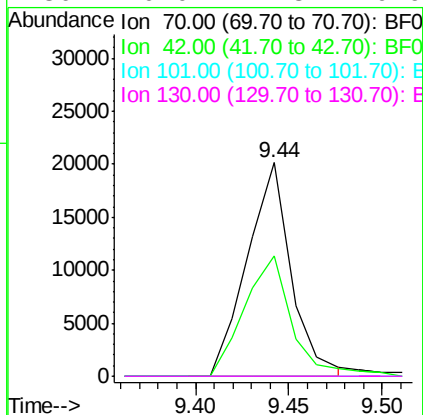
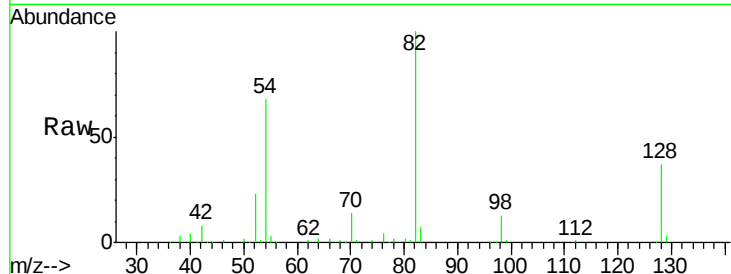




#19
n-Nitroso-di-n-propylamine
Concen: 15.70 ng
RT: 9.44 min Scan# 731
Delta R.T. 0.22 min
Lab File: BF081745.D
Acq: 22 Sep 2015 18:12

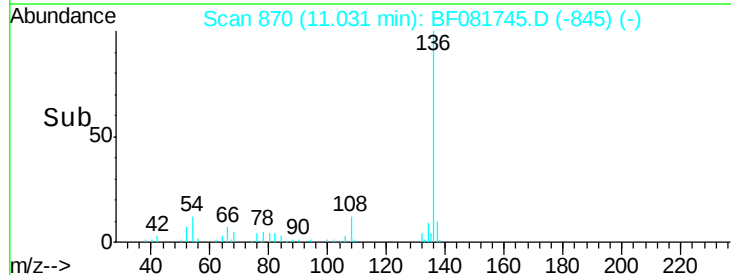
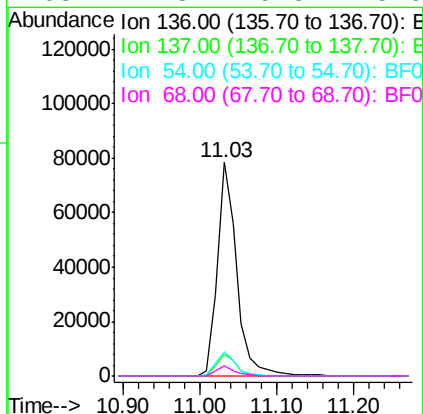
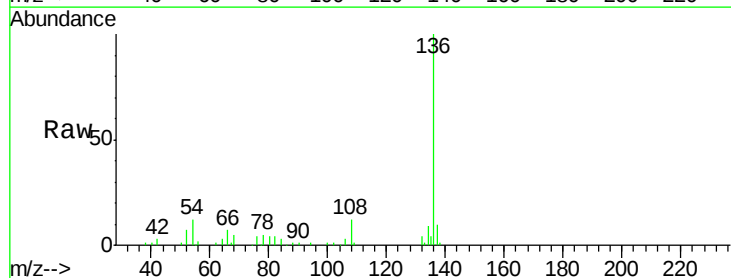
Instrument :
BNA_F
ClientSampleId :
SP-2

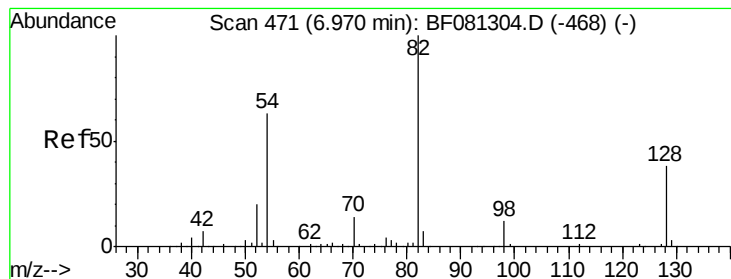
Tgt Ion: 70 Resp: 32883
Ion Ratio Lower Upper
70 100
42 56.1 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF081745.D
Acq: 22 Sep 2015 18:12

Tgt Ion: 136 Resp: 138035
Ion Ratio Lower Upper
136 100
137 10.2 9.0 13.6
54 11.6 8.2 12.2
68 4.8 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 86.66 ng

RT: 9.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

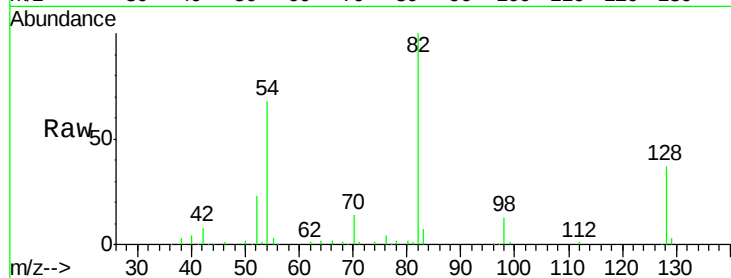
Tgt Ion: 82 Resp: 247930

Ion Ratio Lower Upper

82 100

128 37.0 51.0 76.6#

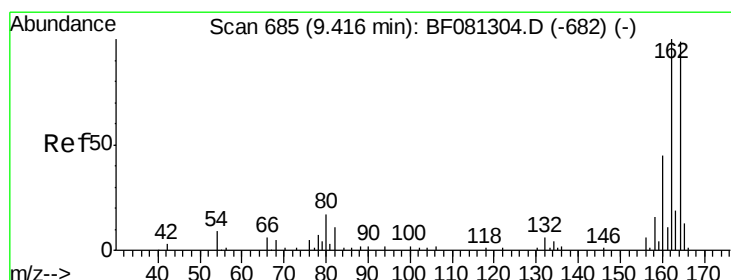
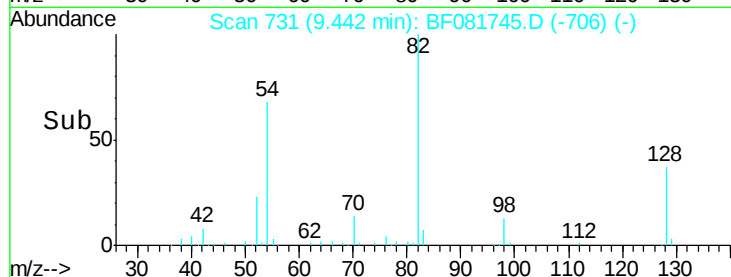
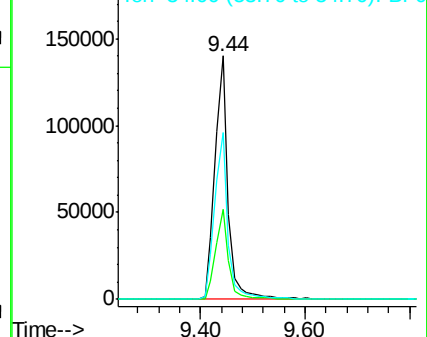
54 68.4 47.5 71.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

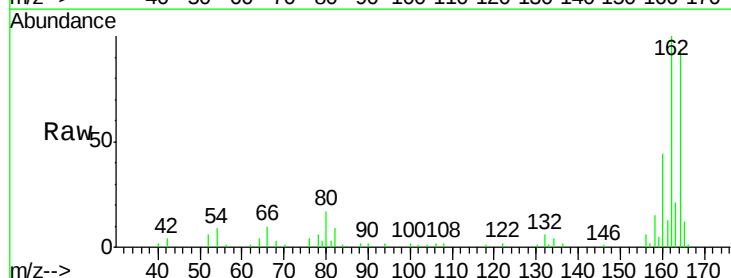
Tgt Ion: 164 Resp: 59368

Ion Ratio Lower Upper

164 100

162 106.4 75.2 112.8

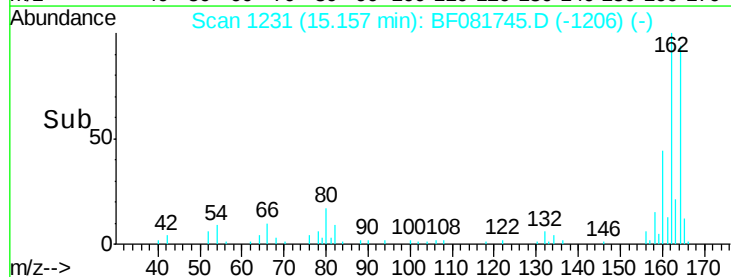
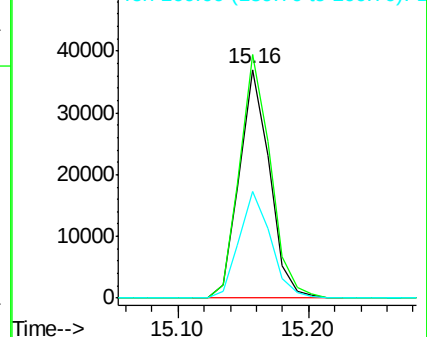
160 46.8 31.5 47.3



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

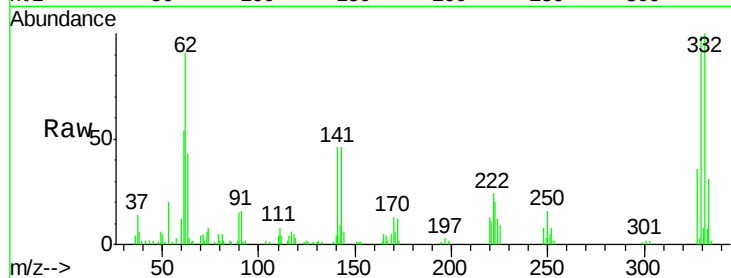




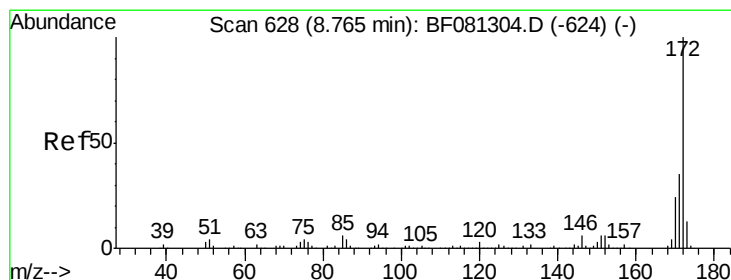
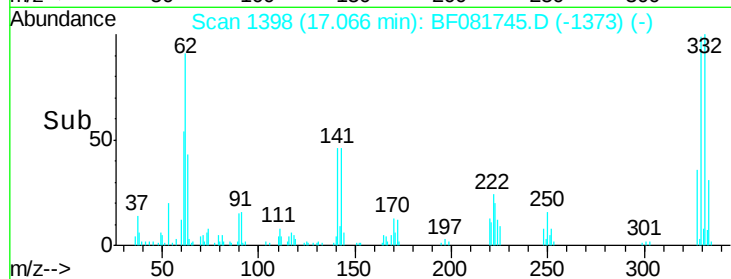
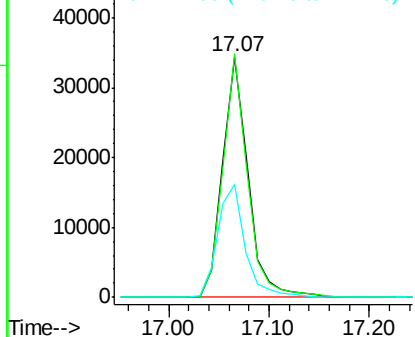
#41
 2,4,6-Tribromophenol
 Concen: 115.75 ng
 RT: 17.07 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:330 Resp: 61188
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 114.8
 141 50.1 29.7 44.5#

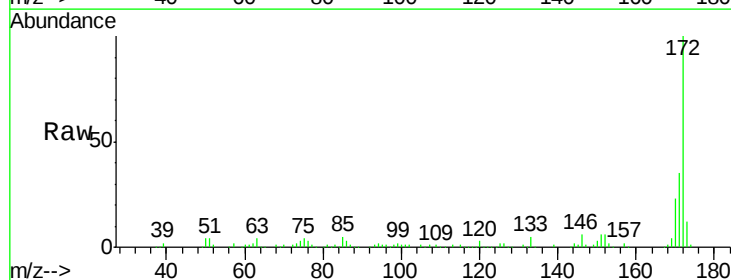


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

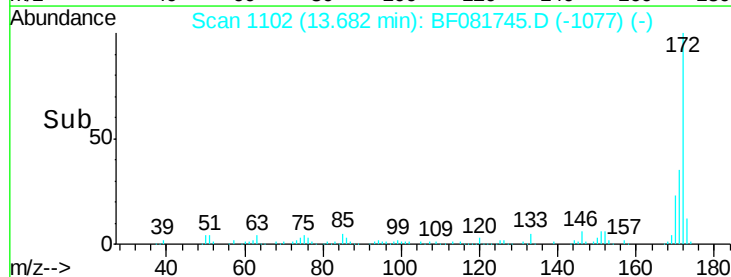
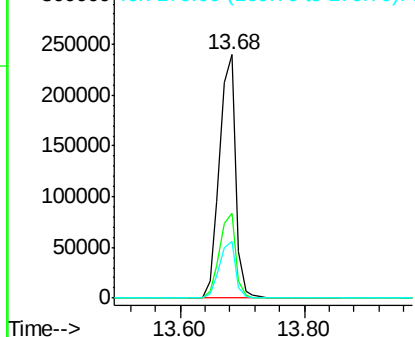


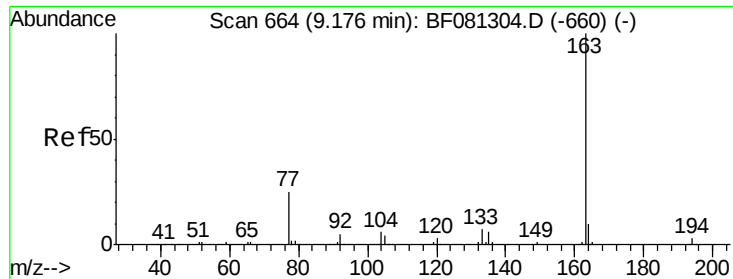
#44
 2-Fluorobiphenyl
 Concen: 92.79 ng
 RT: 13.68 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Tgt Ion:172 Resp: 429860
 Ion Ratio Lower Upper
 172 100
 171 34.9 26.1 39.1
 170 23.3 17.4 26.2



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





#49

Dimethylphthalate

Concen: 20.19 ng

RT: 14.73 min Scan# 1194

Delta R.T. -0.05 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

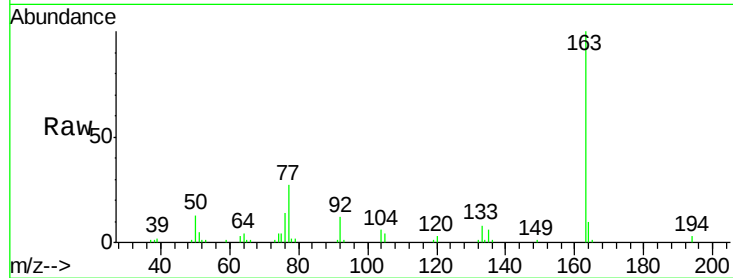
Tgt Ion:163 Resp: 93113

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

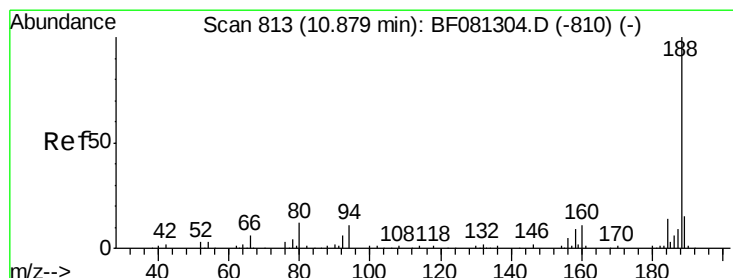
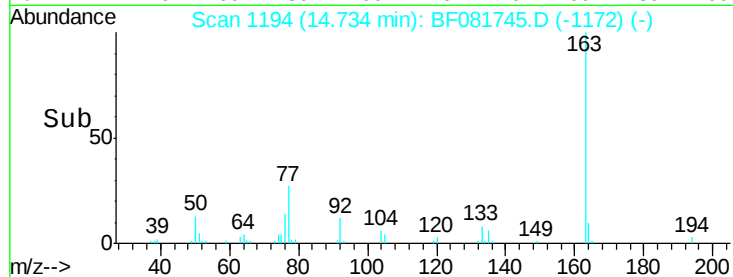
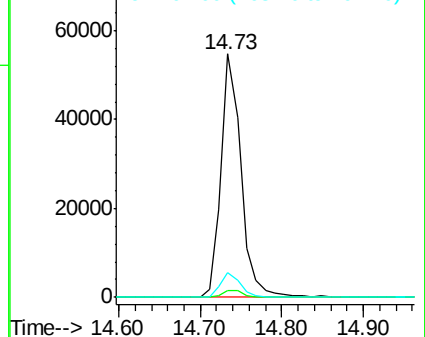
164 10.2 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.67 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

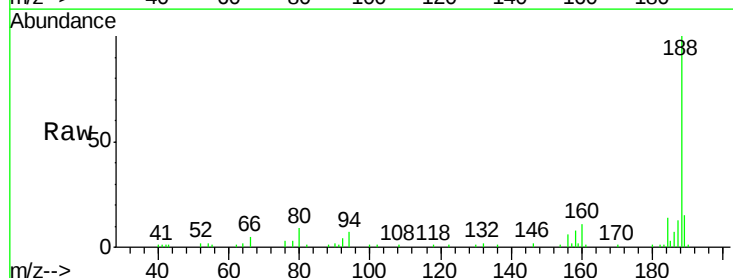
Tgt Ion:188 Resp: 99177

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

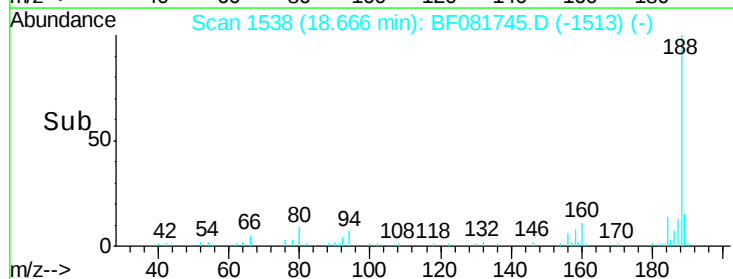
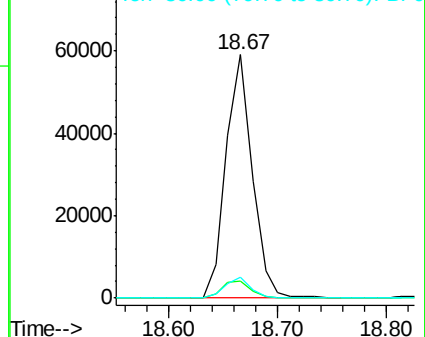
80 8.7 11.0 16.4#

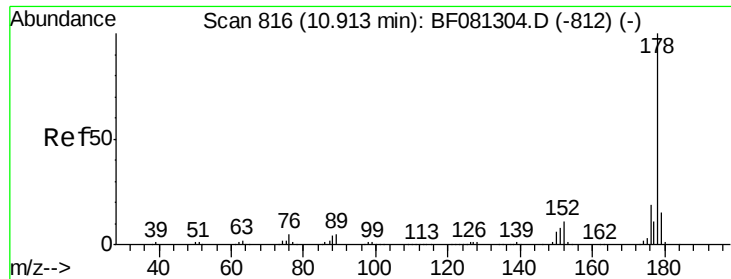


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.82 ng

RT: 18.72 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF081745.D

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SP-2

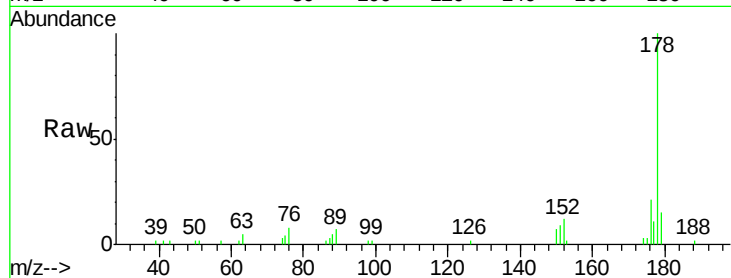
Tgt Ion:178 Resp: 37618

Ion Ratio Lower Upper

178 100

176 20.5 13.8 20.8

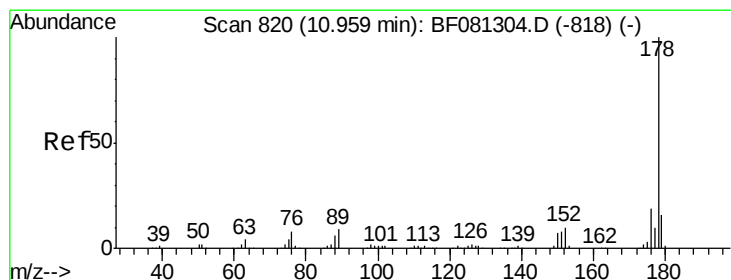
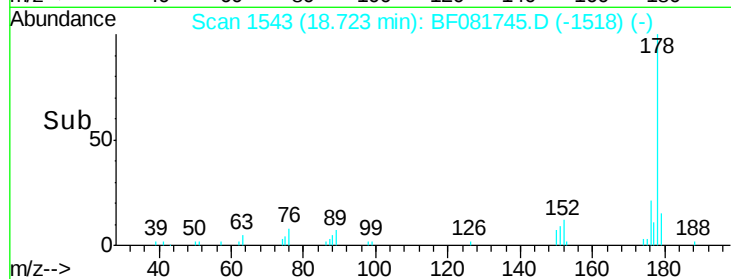
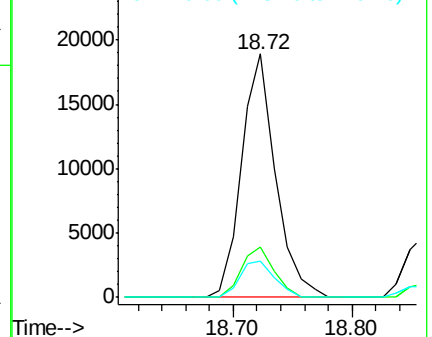
179 15.0 12.2 18.2



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: 6.64 ng

RT: 18.72 min Scan# 1543

Delta R.T. -0.14 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

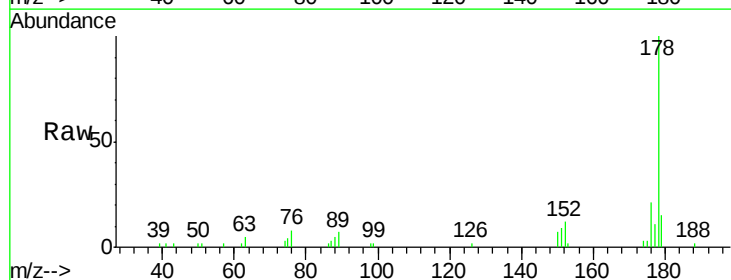
Tgt Ion:178 Resp: 37618

Ion Ratio Lower Upper

178 100

176 20.5 14.1 21.1

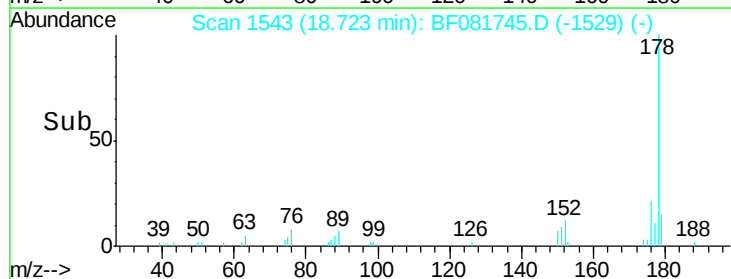
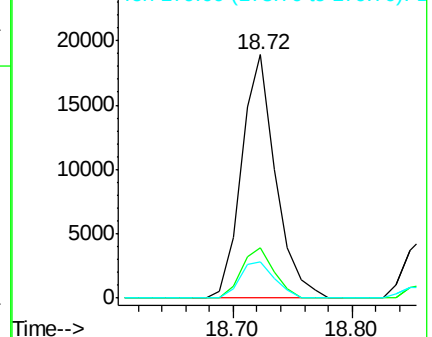
179 15.0 12.2 18.2

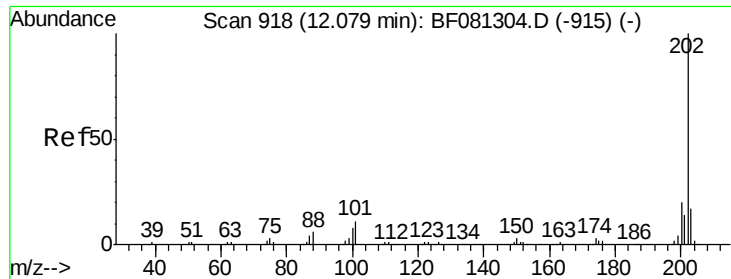


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

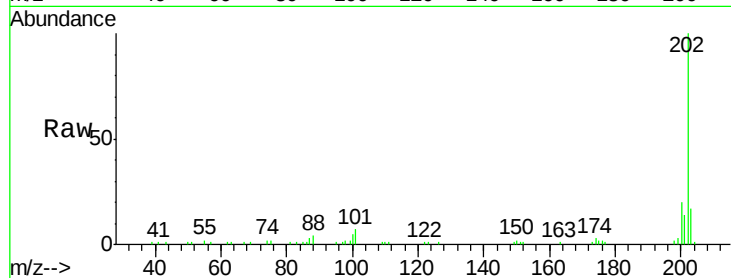




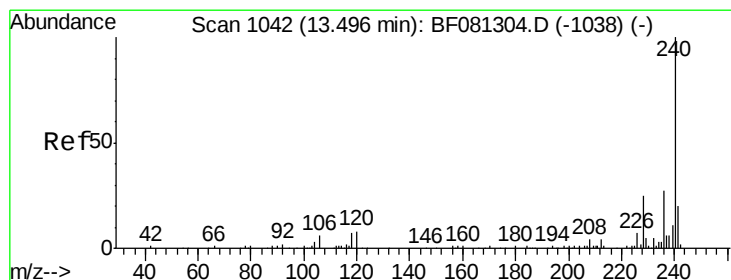
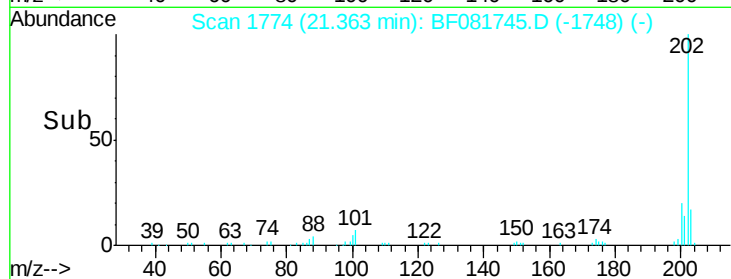
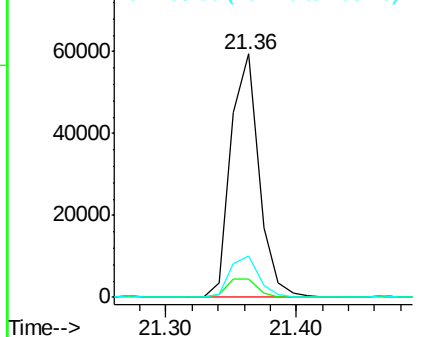
#74
 Fluoranthene
 Concen: 14.92 ng
 RT: 21.36 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	38.3
203	17.2	0.0	37.3

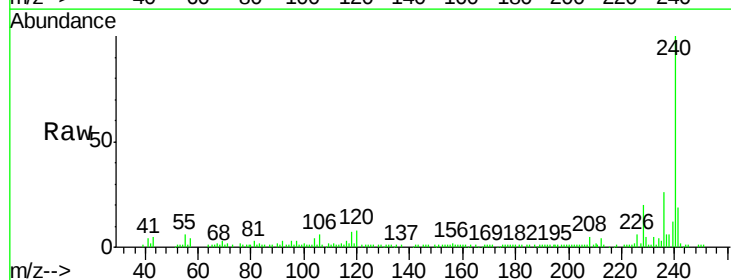


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

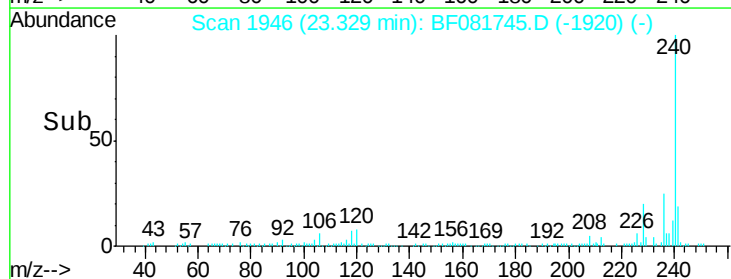
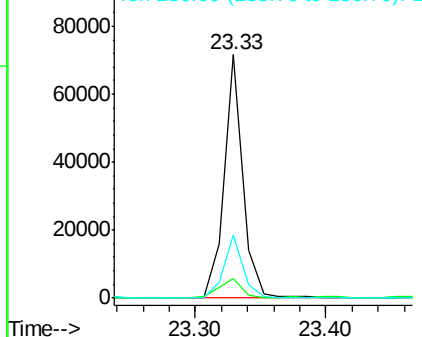


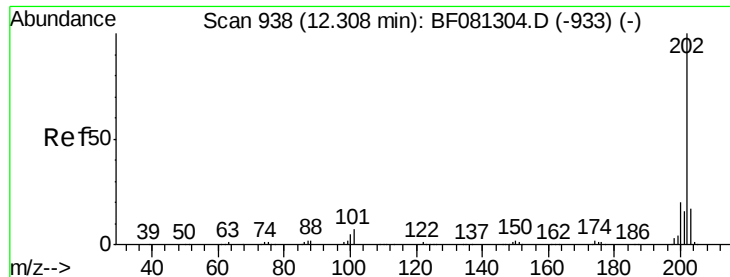
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.33 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	16.2	24.2#
236	26.0	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

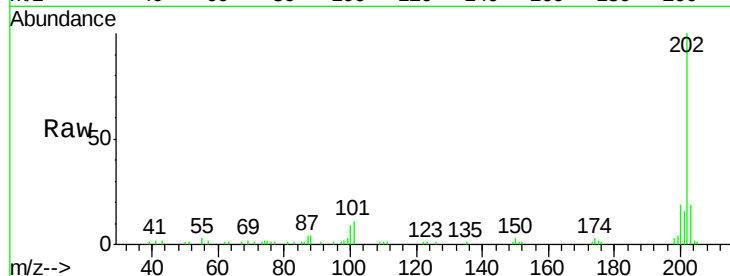




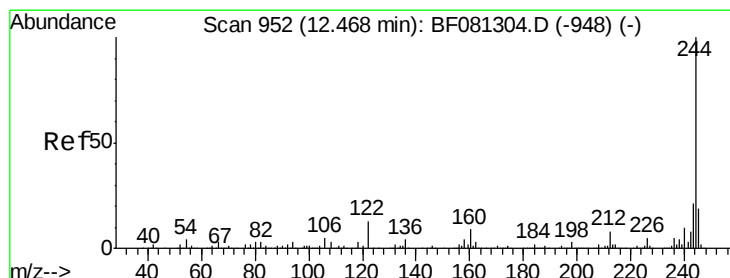
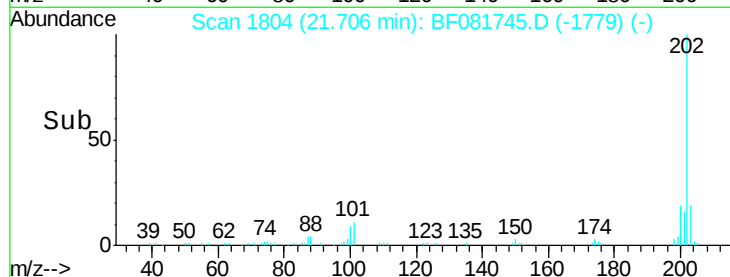
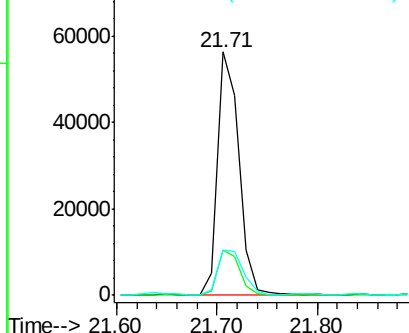
#77
 Pyrene
 Concen: 15.75 ng
 RT: 21.71 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion: 202 Resp: 83127
 Ion Ratio Lower Upper
 202 100
 200 18.8 15.0 22.4
 203 18.8 14.1 21.1

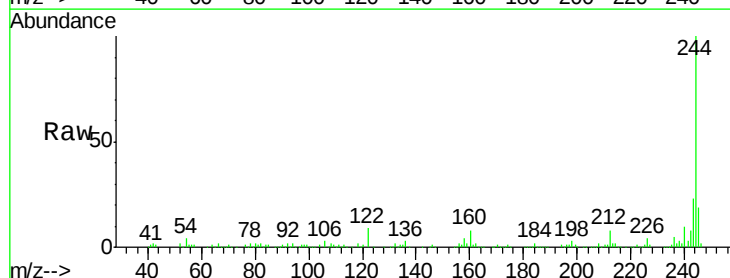


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

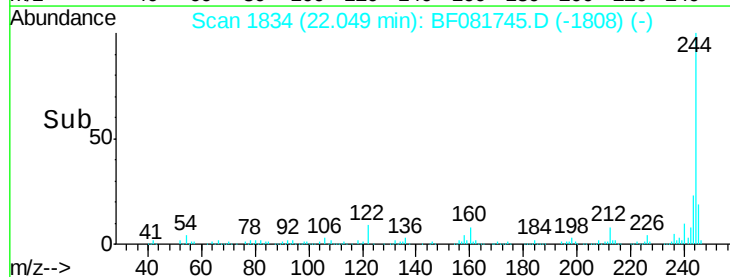
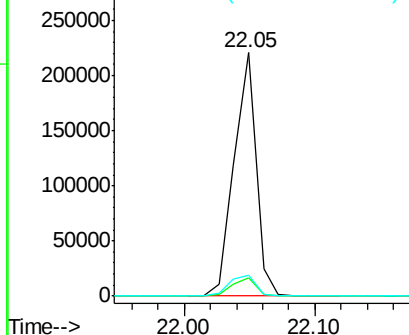


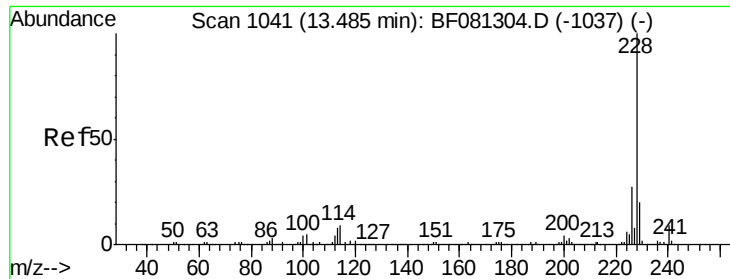
#78
 Terphenyl-d14
 Concen: 84.63 ng
 RT: 22.05 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Tgt Ion: 244 Resp: 258994
 Ion Ratio Lower Upper
 244 100
 212 7.5 4.3 6.5#
 122 8.8 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.86 ng

RT: 23.36 min Scan# 1949

Delta R.T. 0.05 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

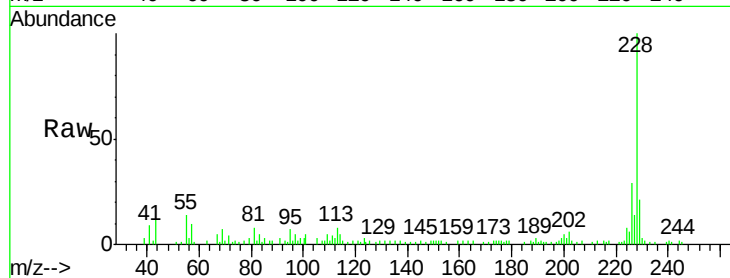
Tgt Ion:228 Resp: 40201

Ion Ratio Lower Upper

228 100

226 29.3 20.0 30.0

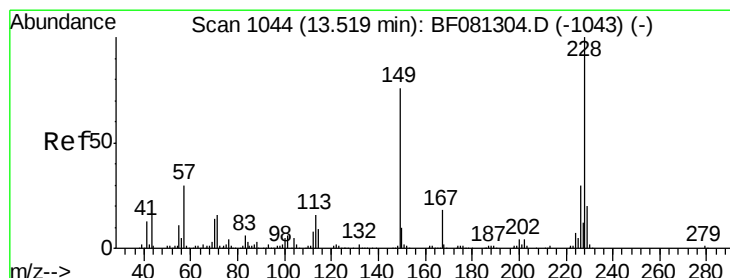
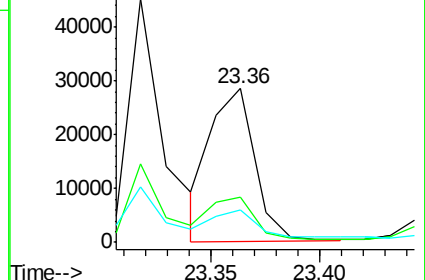
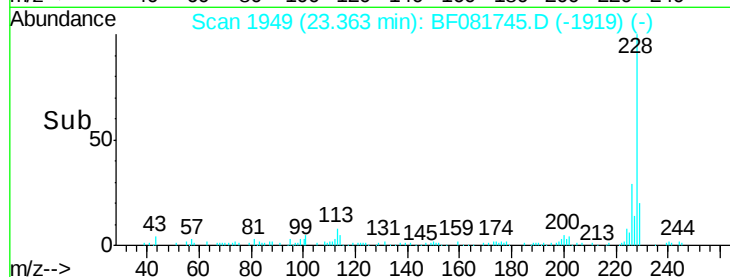
229 21.1 15.4 23.2



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: 9.89 ng

RT: 23.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

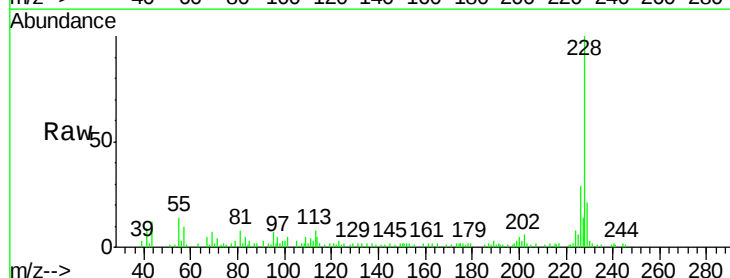
Tgt Ion:228 Resp: 40201

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

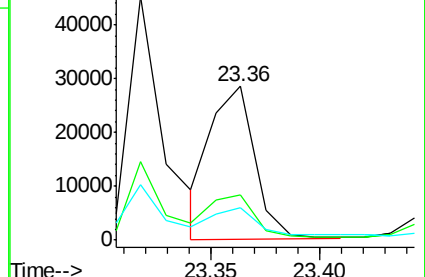
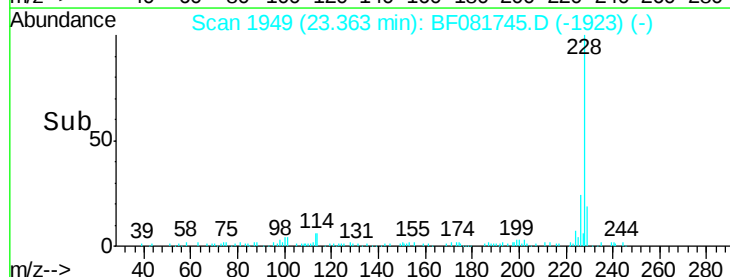
229 21.1 15.6 23.4

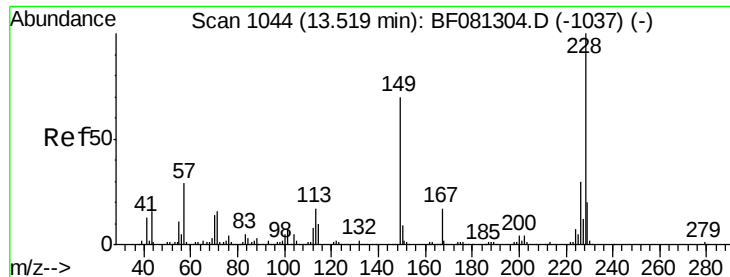


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

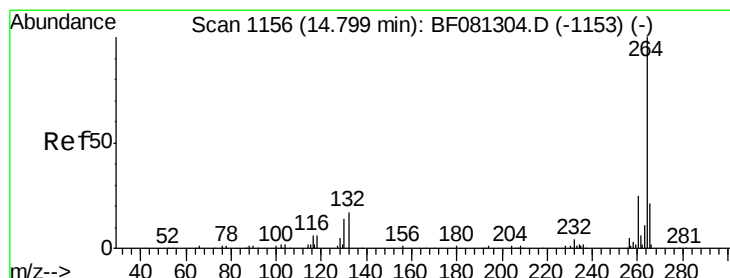
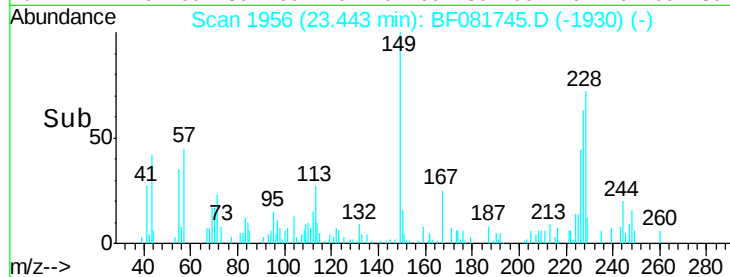
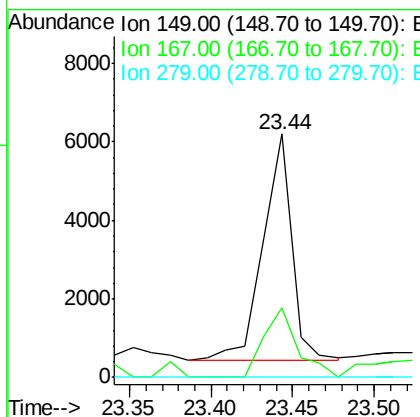
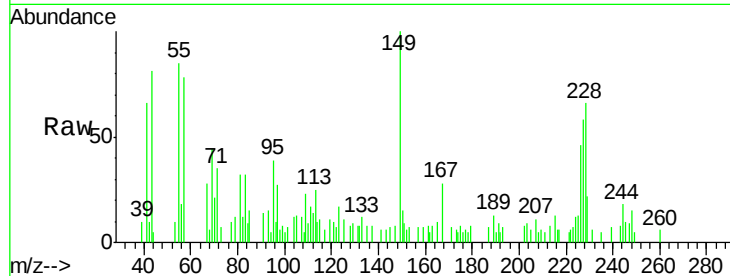




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.37 ng
 RT: 23.44 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

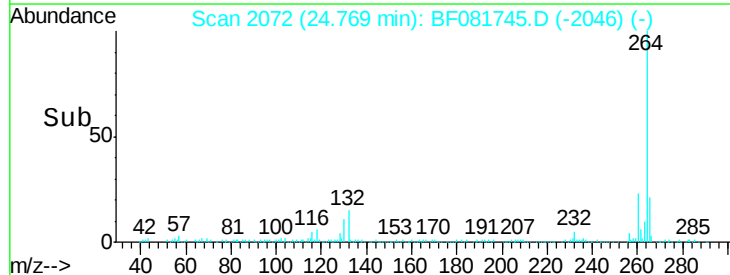
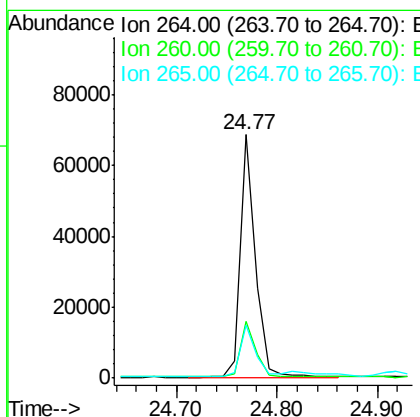
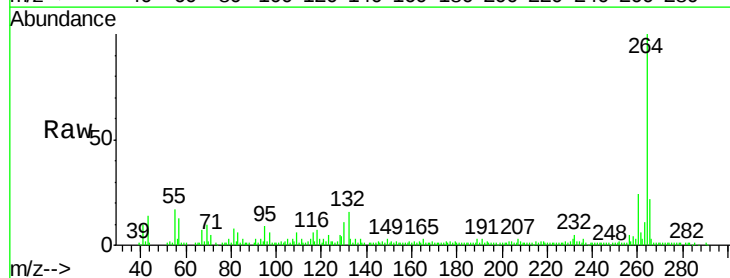
Instrument :
 BNA_F
 ClientSampled :
 SP-2

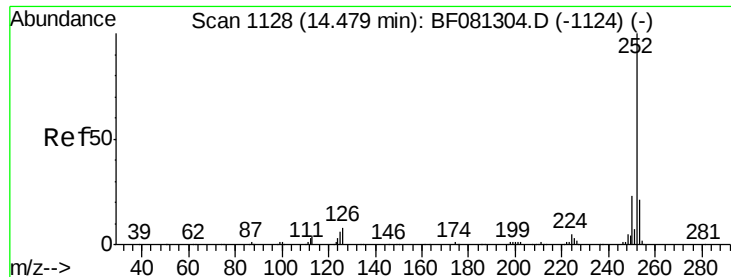
Tgt Ion:149 Resp: 7181
 Ion Ratio Lower Upper
 149 100
 167 28.4 24.2 36.2
 279 0.0 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.77 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: BF081745.D
 Acq: 22 Sep 2015 18:12

Tgt Ion:264 Resp: 72934
 Ion Ratio Lower Upper
 264 100
 260 23.5 16.7 25.1
 265 21.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 14.54 ng

RT: 24.44 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

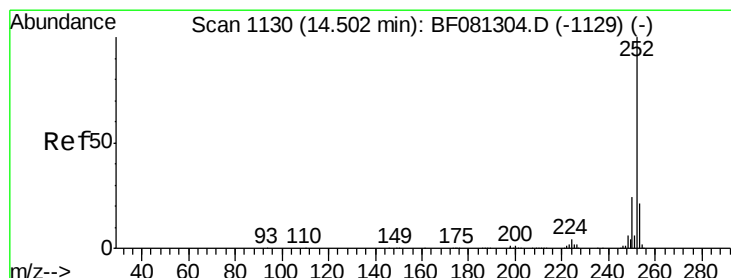
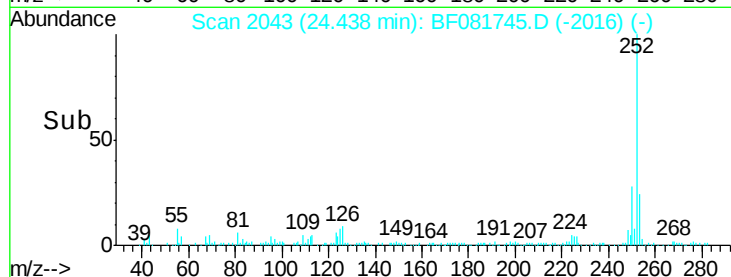
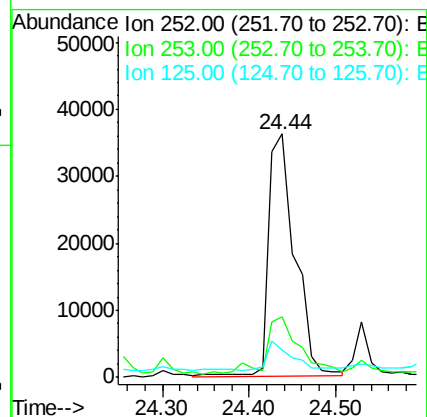
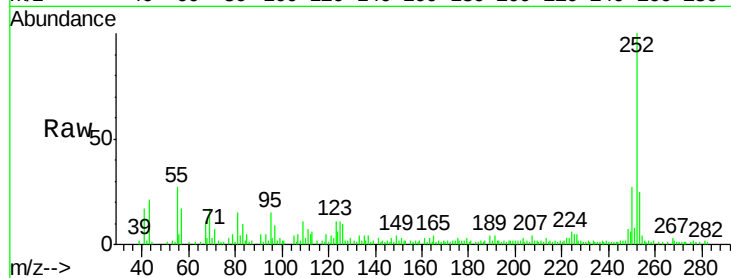
Tgt Ion:252 Resp: 75734

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 11.4 17.1 25.7#



#88

Benzo(k)fluoranthene

Concen: 17.46 ng

RT: 24.44 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

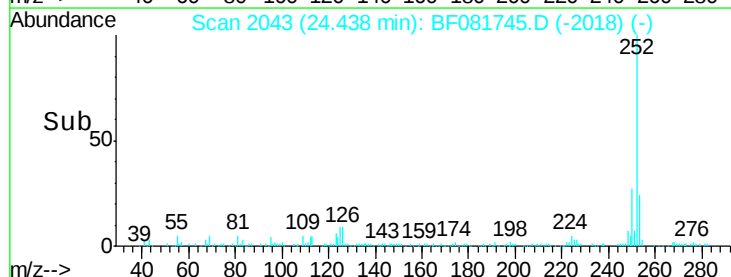
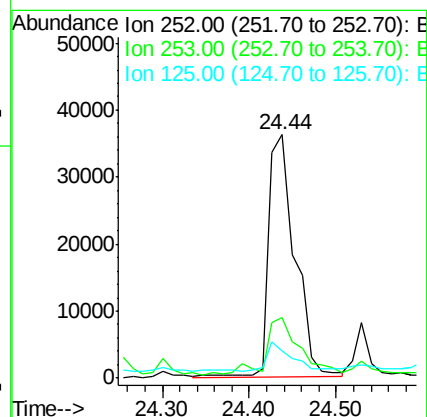
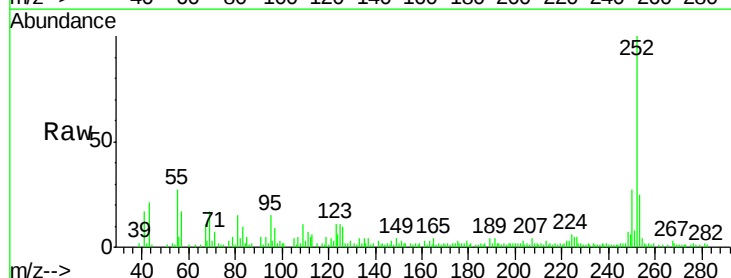
Tgt Ion:252 Resp: 75426

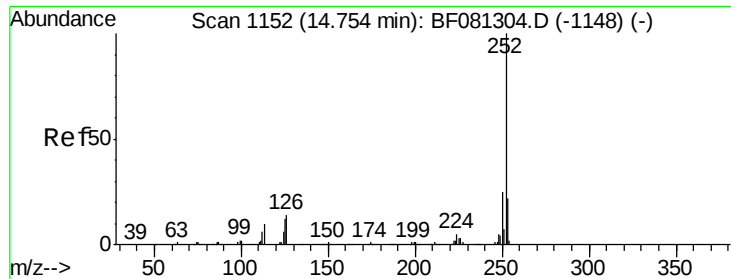
Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.4

125 11.4 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 9.29 ng

RT: 24.72 min Scan# 2068

Delta R.T. 0.00 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampled :

SP-2

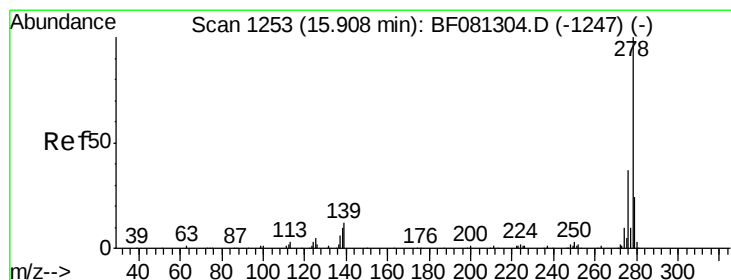
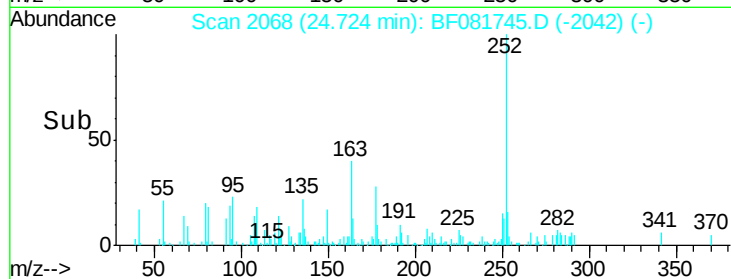
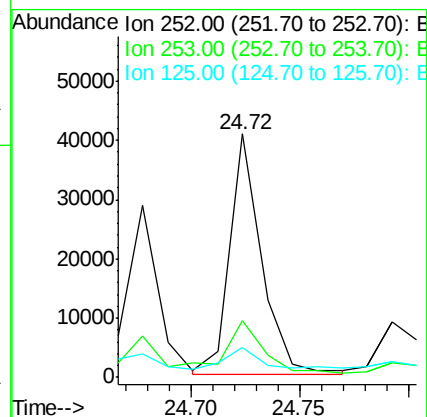
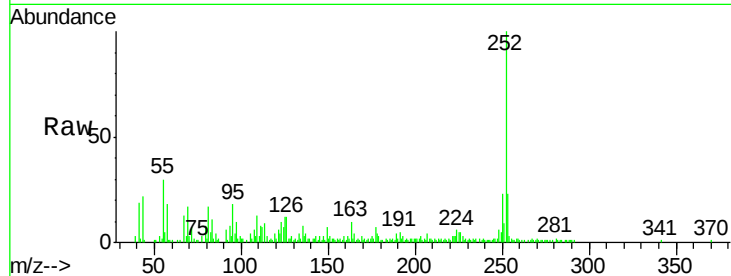
Tgt Ion:252 Resp: 41006

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 12.2 18.0 27.0#



#90

Dibenzo(a,h)anthracene

Concen: 2.29 ng

RT: 25.81 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

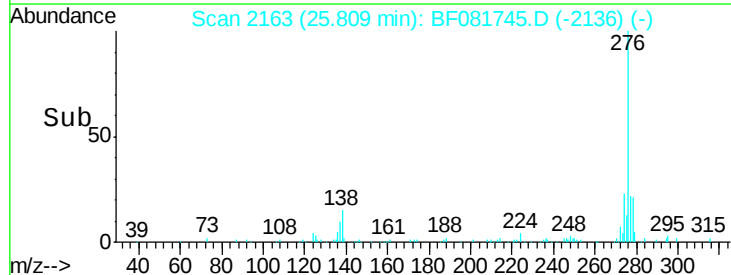
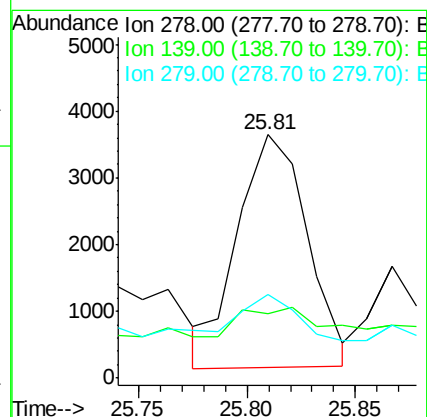
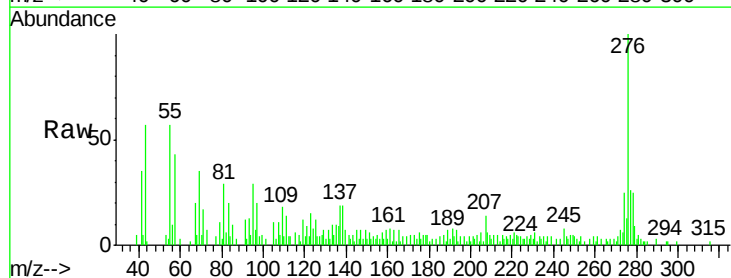
Tgt Ion:278 Resp: 7796

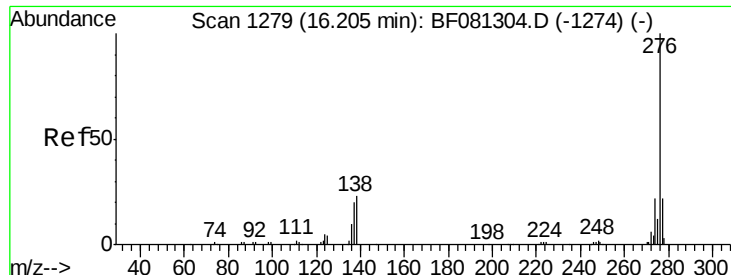
Ion Ratio Lower Upper

278 100

139 26.4 26.3 39.5

279 34.2 18.2 27.4#





#91

Benzo(g,h,i)perylene

Concen: 7.45 ng

RT: 26.11 min Scan# 2189

Delta R.T. 0.02 min

Lab File: BF081745.D

Acq: 22 Sep 2015 18:12

Instrument :

BNA_F

ClientSampleId :

SP-2

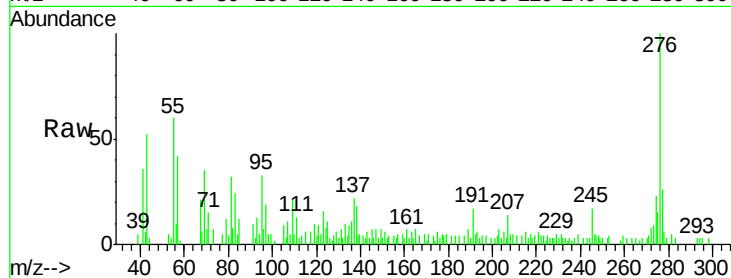
Tgt Ion: 276 Resp: 24248

Ion Ratio Lower Upper

276 100

277 25.8 17.8 26.6

138 18.1 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

