

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081633.D
 Acq On : 15 Sep 2015 17:15
 Operator : UM/IZ
 Sample : G3597-15RE 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Quant Time: Sep 15 18:13:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

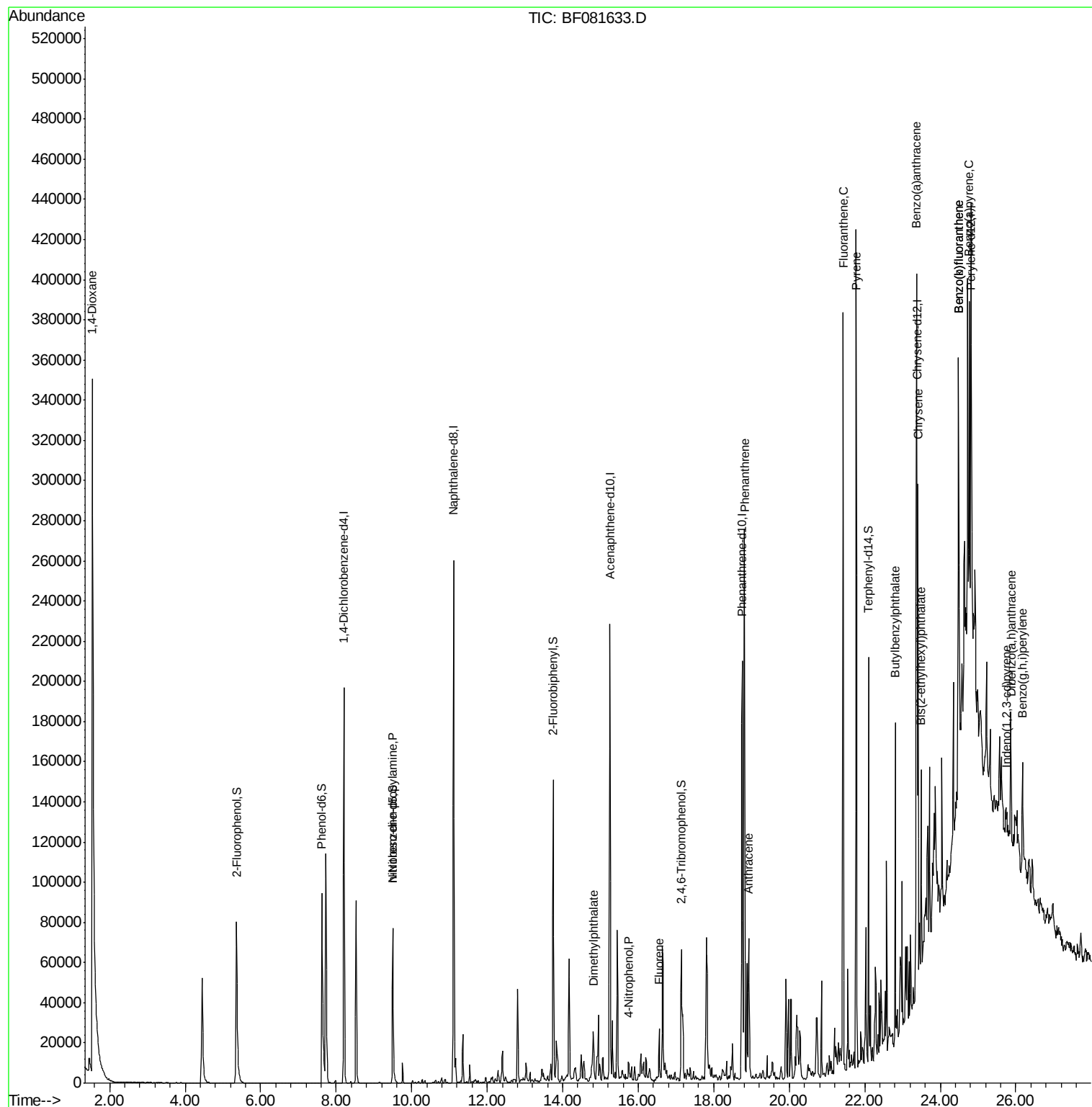
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	47176	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	187011	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	80891	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	150934	20.00	ng	0.00
75) Chrysene-d12	23.38	240	101779	20.00	ng	0.00
86) Perylene-d12	24.81	264	83213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	49295	16.21	ng	0.01
7) Phenol-d6	7.62	99	71987	17.89	ng	-0.02
23) Nitrobenzene-d5	9.50	82	45240	11.67	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	10334	14.35	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	79010	12.52	ng	-0.02
78) Terphenyl-d14	22.10	244	56961	13.03	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	21079	15.44	ng	# 11
19) n-Nitroso-di-n-propylamine	9.50	70	6040	2.20	ng	# 67
49) Dimethylphthalate	14.81	163	15963	2.54	ng	98
55) 4-Nitrophenol	15.74	139	3665	3.59	ng	# 25
57) Fluorene	16.55	166	14499	2.41	ng	98
70) Phenanthrene	18.81	178	202278	24.11	ng	96
71) Anthracene	18.93	178	39847	4.62	ng	99
74) Fluoranthene	21.43	202	232272	25.57	ng	87
77) Pyrene	21.77	202	229898	30.49	ng	97
79) Butylbenzylphthalate	22.80	149	8607	2.63	ng	# 73
80) Benzo(a)anthracene	23.37	228	85679	13.22	ng	97
82) Chrysene	23.41	228	95664	16.46	ng	94
83) Bis(2-ethylhexyl)phthalate	23.49	149	17831	4.12	ng	# 85
85) Indeno(1,2,3-cd)pyrene	25.76	276	10422	2.44	ng	97
87) Benzo(b)fluoranthene	24.48	252	130283	21.93	ng	# 87
88) Benzo(k)fluoranthene	24.48	252	130283	26.43	ng	# 87
89) Benzo(a)pyrene	24.77	252	67017	13.31	ng	# 87
90) Dibenzo(a,h)anthracene	25.88	278	10605	2.73	ng	# 81
91) Benzo(g,h,i)perylene	26.17	276	34898	9.40	ng	# 72

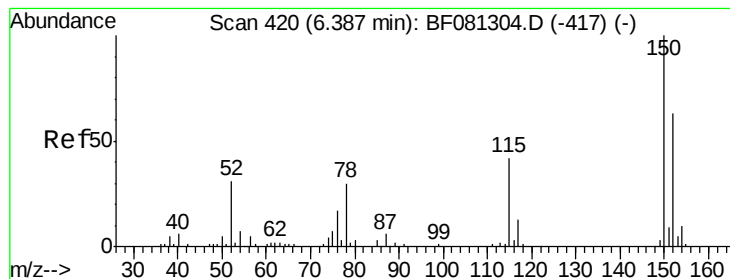
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

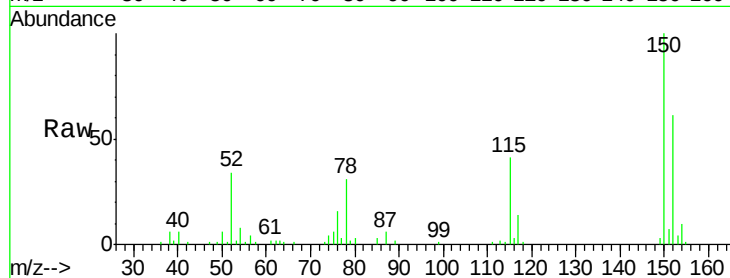
Tgt Ion:152 Resp: 47176

Ion Ratio Lower Upper

152 100

150 162.9 124.7 187.1

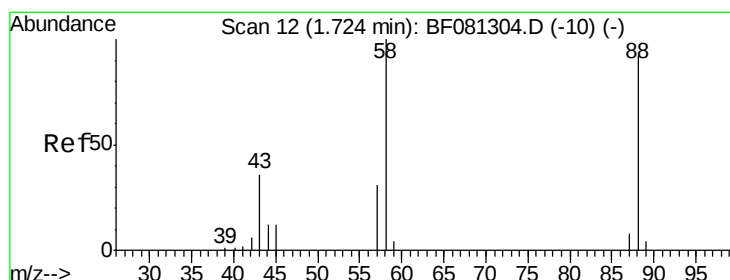
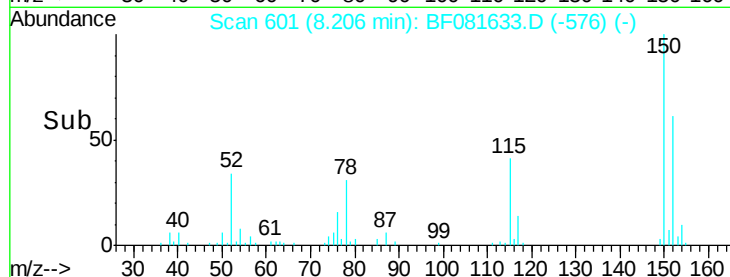
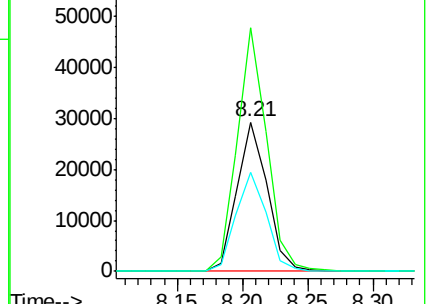
115 66.3 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 15.44 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

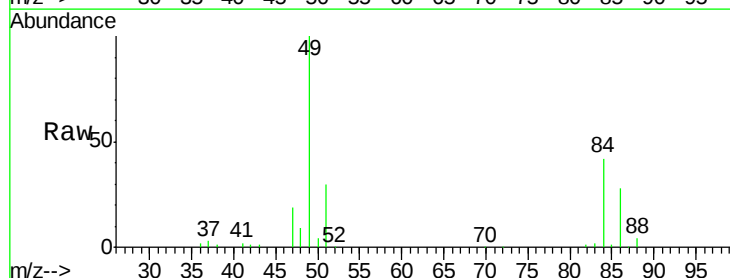
Tgt Ion: 88 Resp: 21079

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

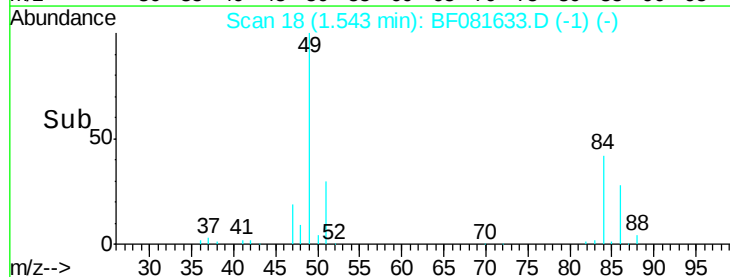
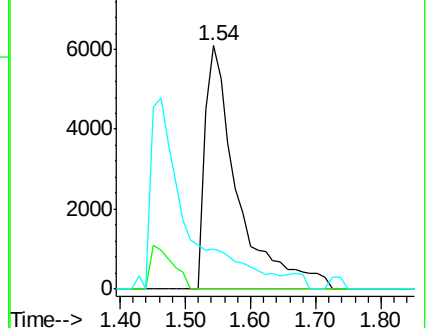
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

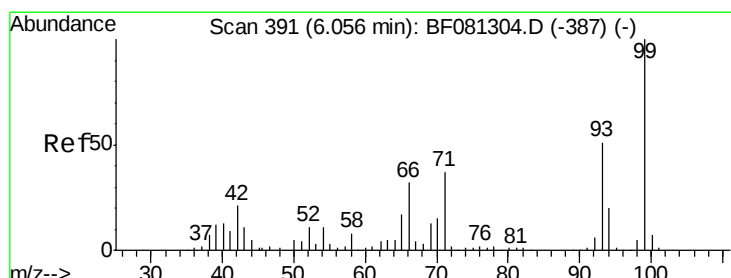
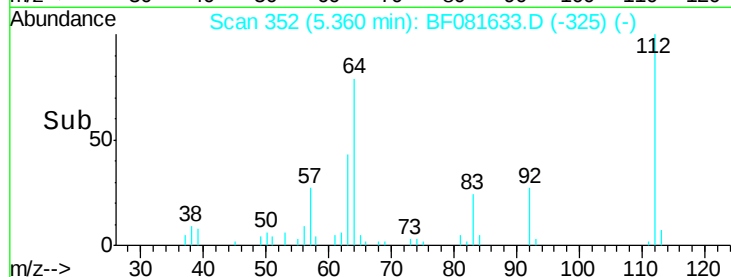
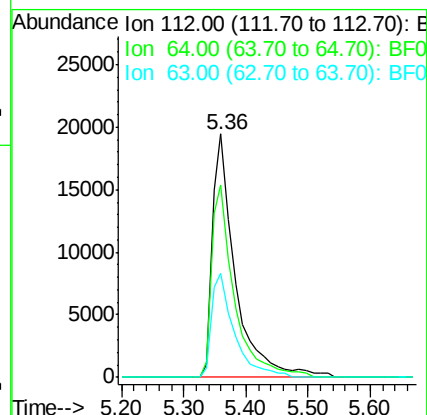
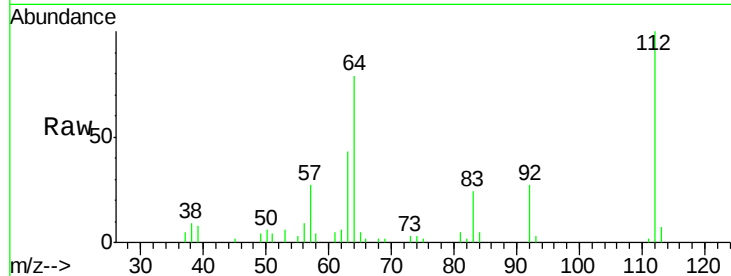




#5
 2-Fluorophenol
 Concen: 16.21 ng
 RT: 5.36 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

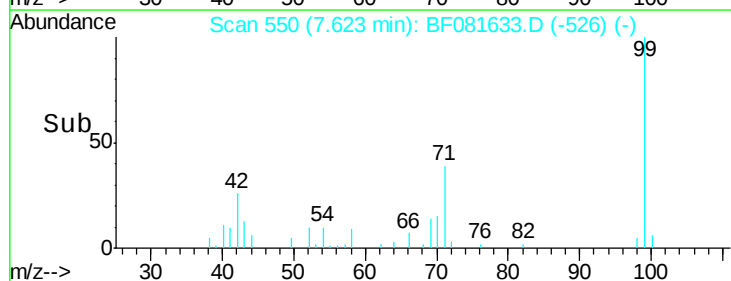
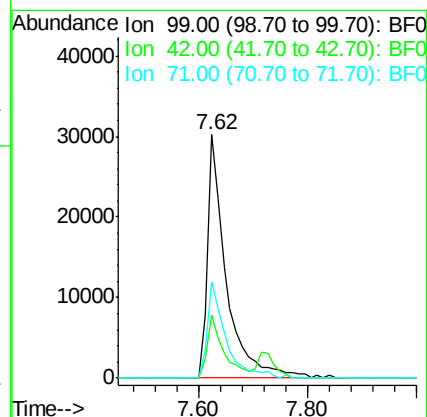
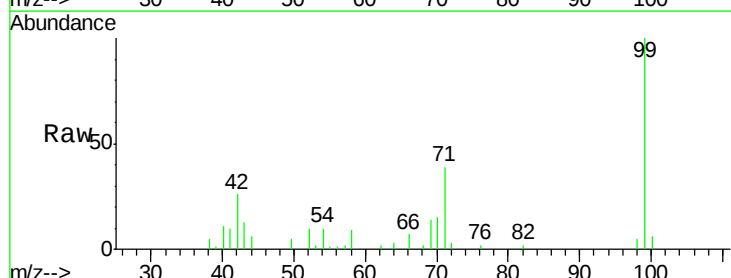
Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

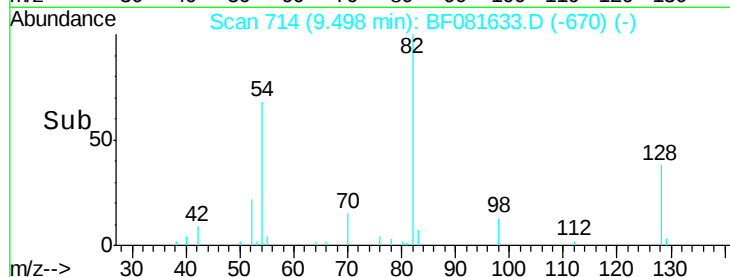
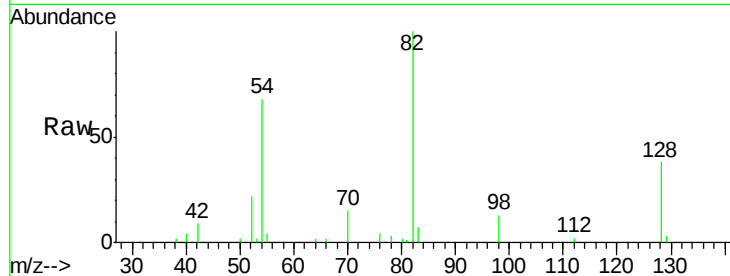
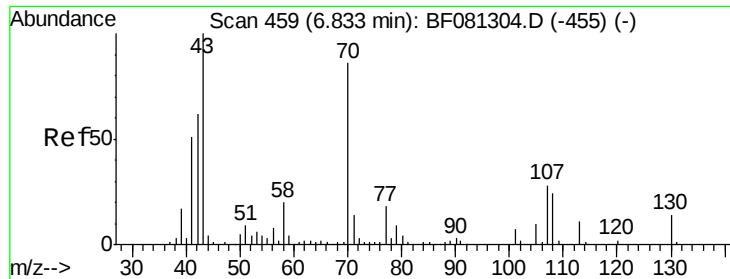
Tgt Ion: 112 Resp: 49295
 Ion Ratio Lower Upper
 112 100
 64 79.0 39.7 59.5#
 63 42.8 17.4 26.0#



#7
 Phenol-d6
 Concen: 17.89 ng
 RT: 7.62 min Scan# 550
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion: 99 Resp: 71987
 Ion Ratio Lower Upper
 99 100
 42 26.2 13.7 20.5#
 71 39.5 14.2 21.2#

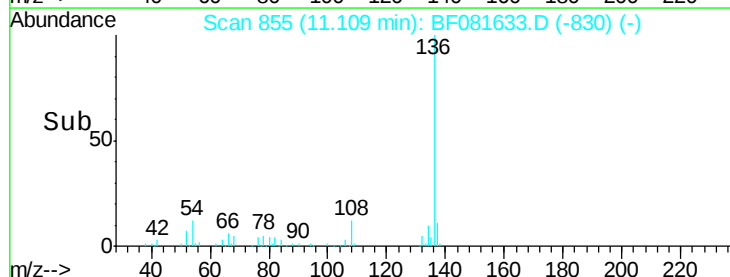
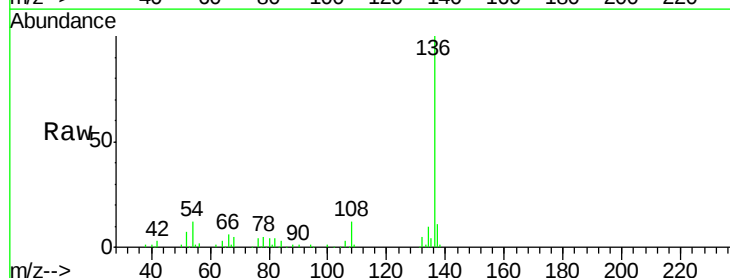
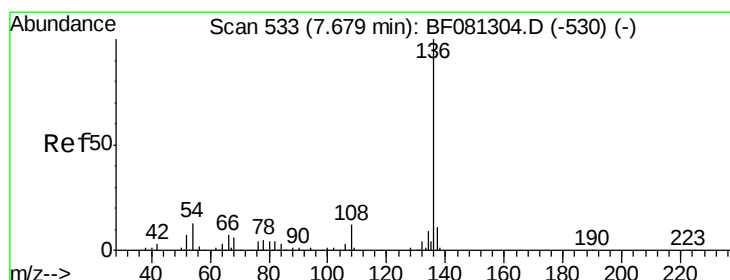
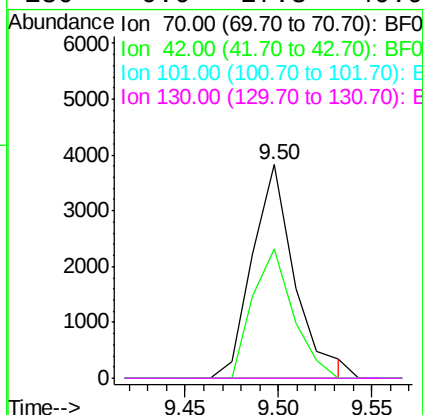




#19
n-Nitroso-di-n-propylamine
Concen: 2.20 ng
RT: 9.50 min Scan# 714
Delta R.T. 0.21 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

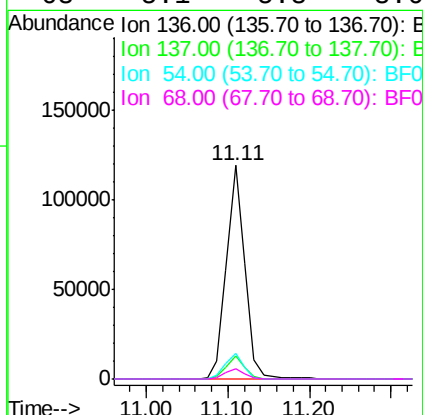
Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

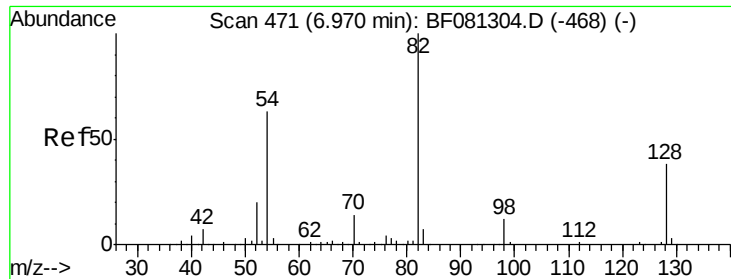
Tgt Ion:	70	Resp:	6040
Ion	Ratio	Lower	Upper
70	100		
42	60.3	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion:	136	Resp:	187011
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	12.0	8.2	12.2
68	5.1	5.8	8.6#

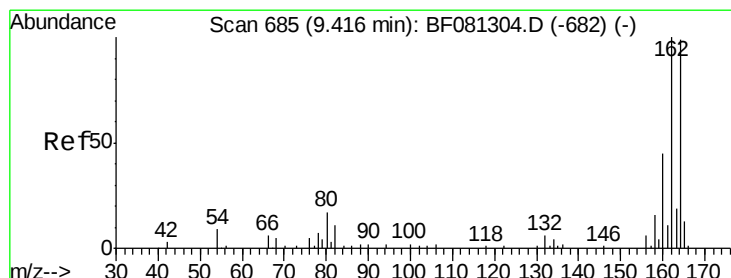
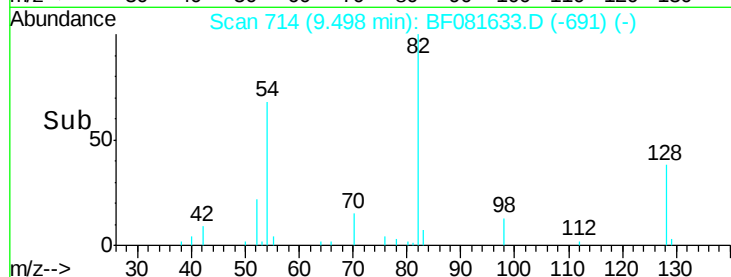
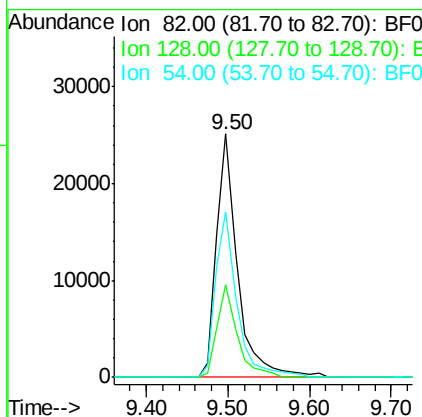
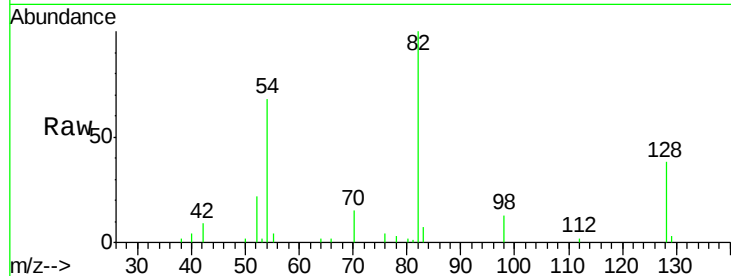




#23
 Nitrobenzene-d5
 Concen: 11.67 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

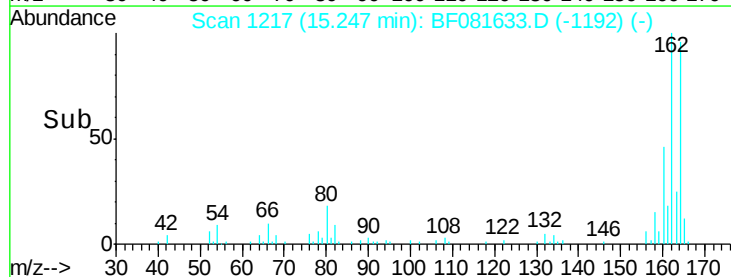
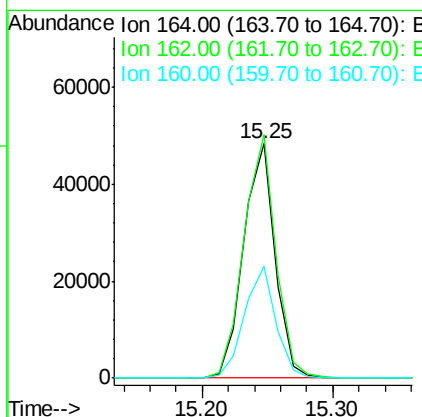
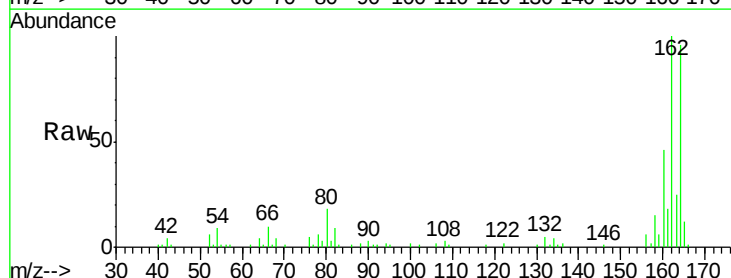
Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion: 82 Resp: 45240
 Ion Ratio Lower Upper
 82 100
 128 38.0 51.0 76.6#
 54 67.8 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion: 164 Resp: 80891
 Ion Ratio Lower Upper
 164 100
 162 103.8 75.2 112.8
 160 47.6 31.5 47.3#

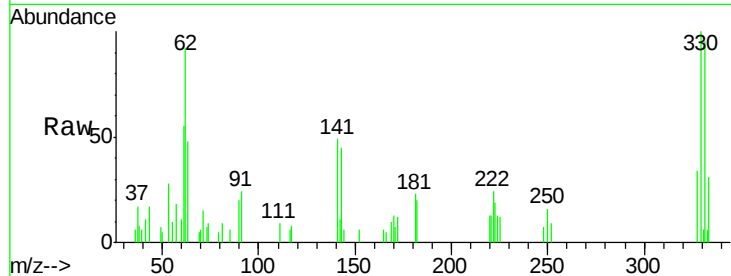




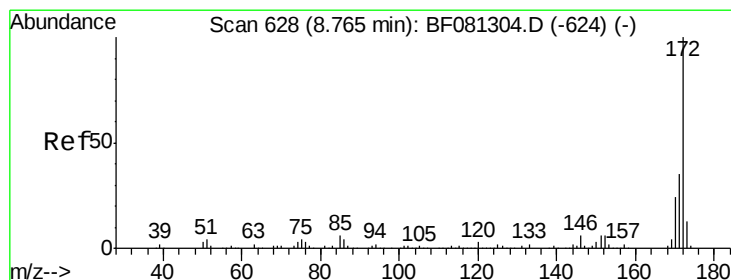
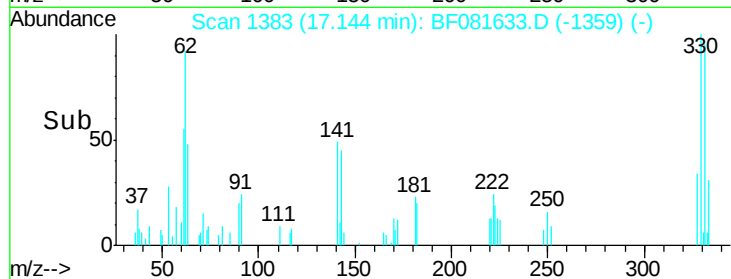
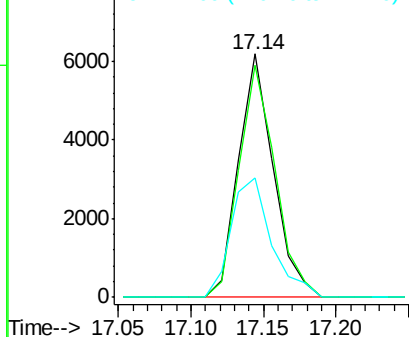
#41
 2,4,6-Tribromophenol
 Concen: 14.35 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion:330 Resp: 10334
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 114.8
 141 56.9 29.7 44.5#

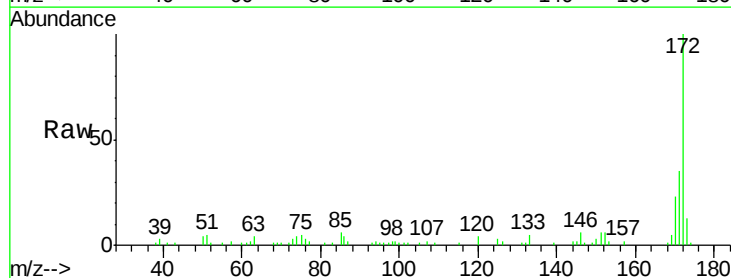


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

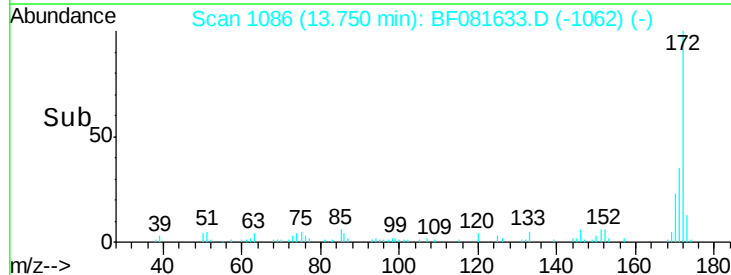
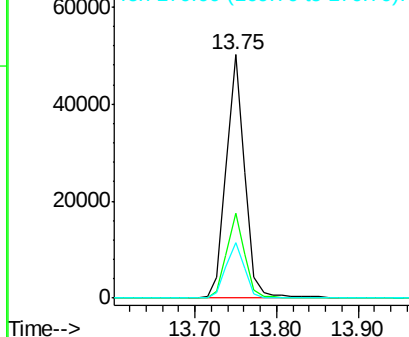


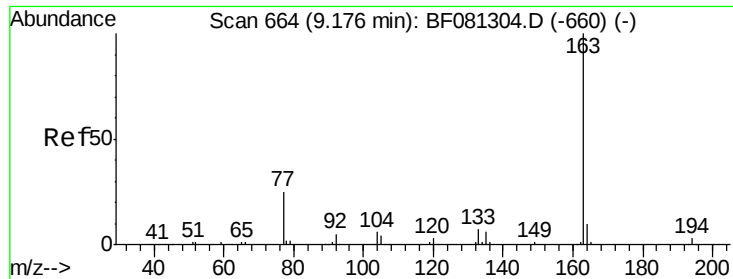
#44
 2-Fluorobiphenyl
 Concen: 12.52 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion:172 Resp: 79010
 Ion Ratio Lower Upper
 172 100
 171 35.1 26.1 39.1
 170 22.8 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: 2.54 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

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ClientSampleId :

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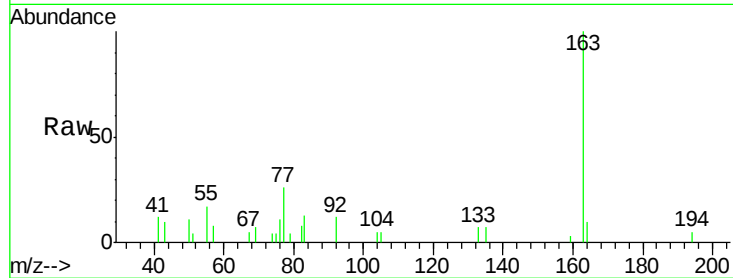
Tgt Ion:163 Resp: 15963

Ion Ratio Lower Upper

163 100

194 4.6 4.4 6.6

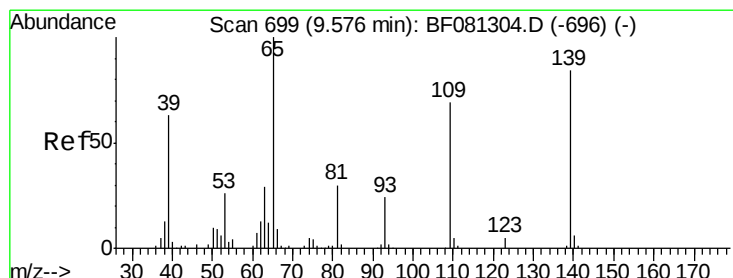
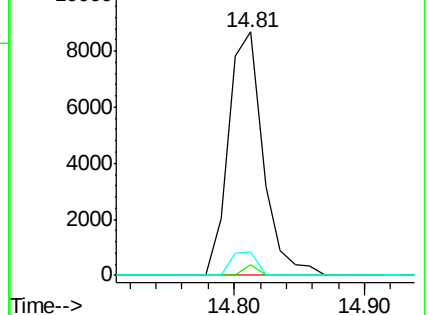
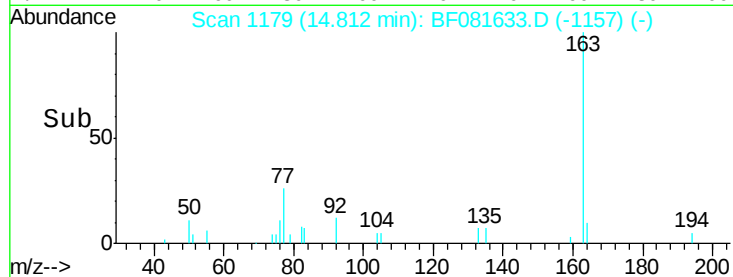
164 9.8 8.3 12.5



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



#55

4-Nitrophenol

Concen: 3.59 ng

RT: 15.74 min Scan# 1260

Delta R.T. -0.18 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

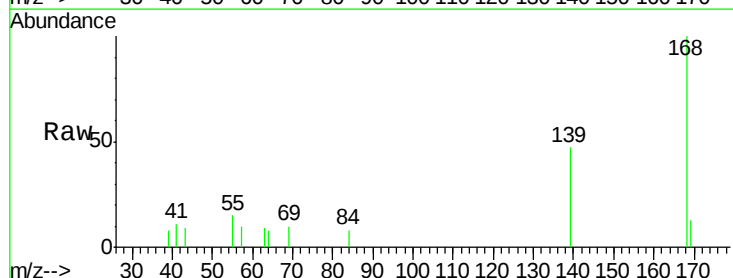
Tgt Ion:139 Resp: 3665

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

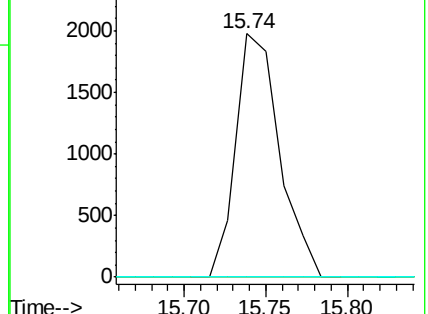
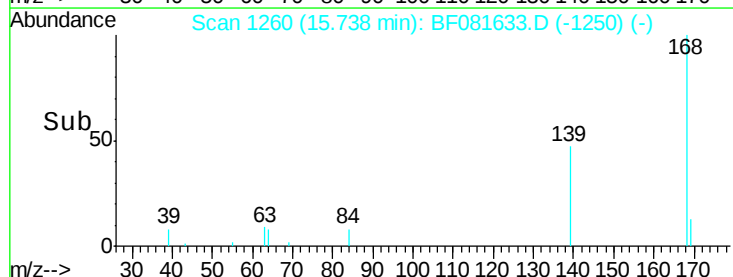
65 0.0 45.9 85.9#

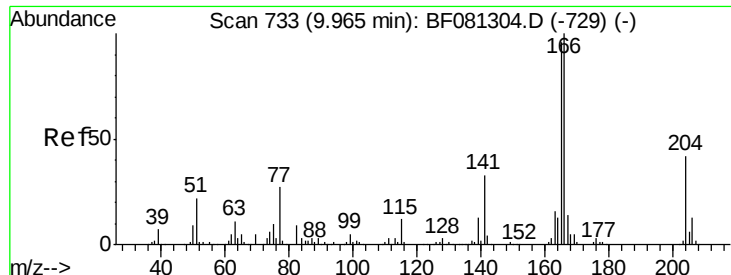


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.41 ng

RT: 16.55 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

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BNA_F

ClientSampleId :

GP-15(0-5)

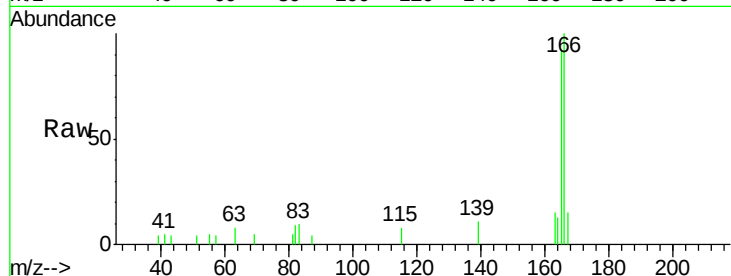
Tgt Ion:166 Resp: 14499

Ion Ratio Lower Upper

166 100

165 92.0 72.6 109.0

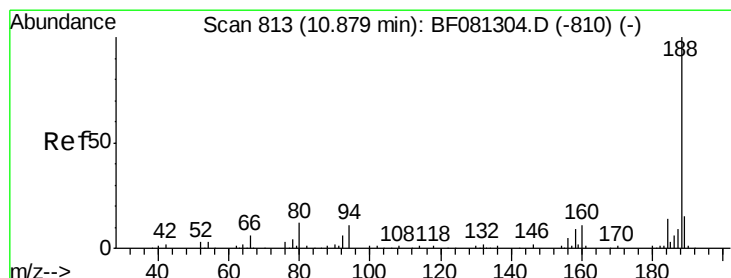
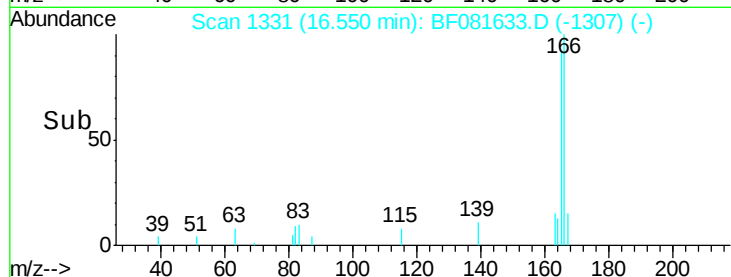
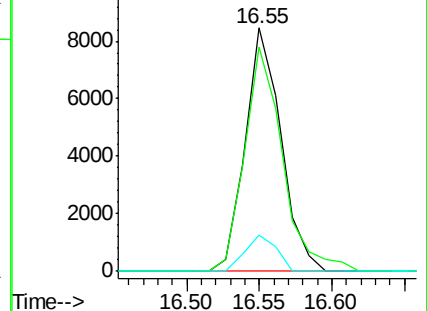
167 14.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.76 min Scan# 1524

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

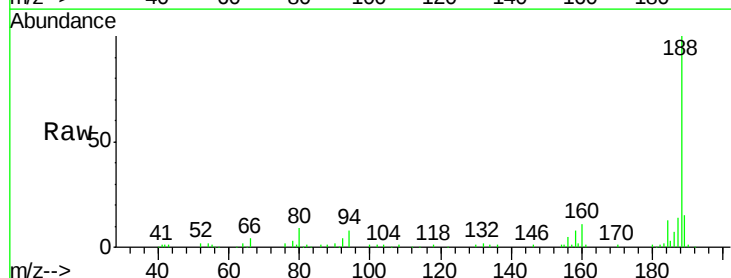
Tgt Ion:188 Resp: 150934

Ion Ratio Lower Upper

188 100

94 7.7 11.1 16.7#

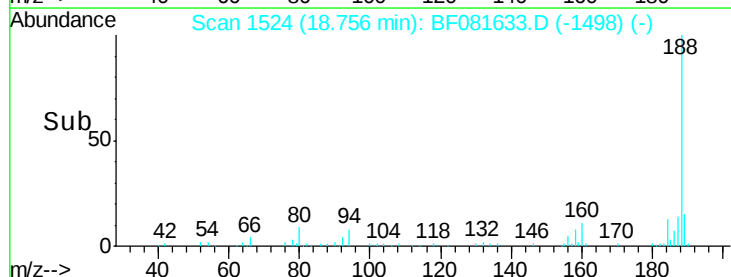
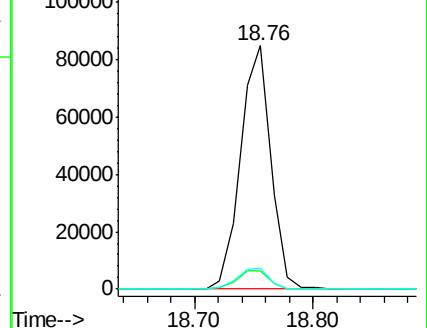
80 8.6 11.0 16.4#

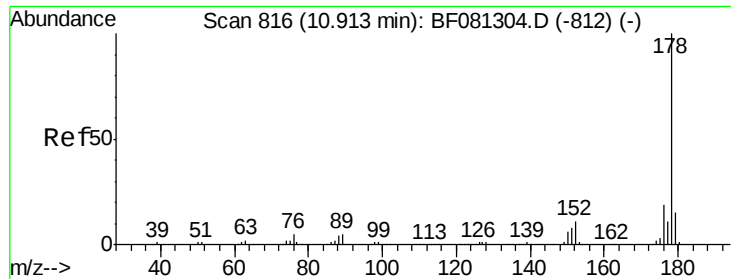


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

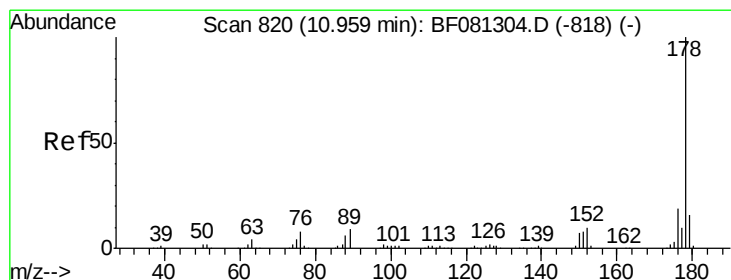
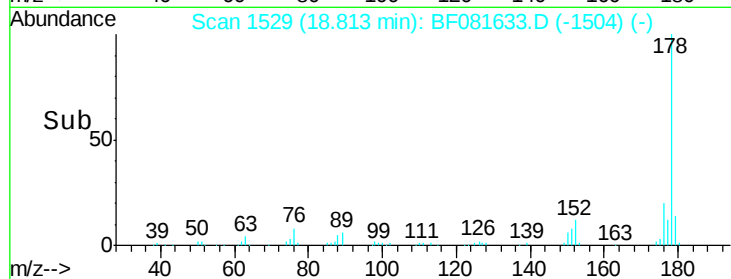
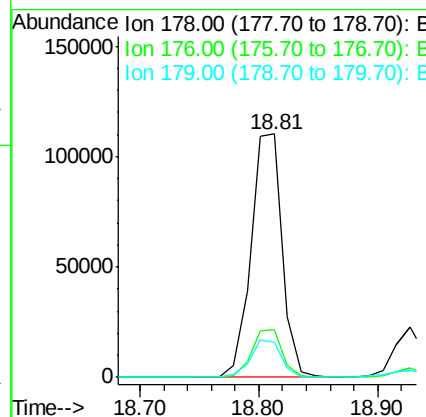
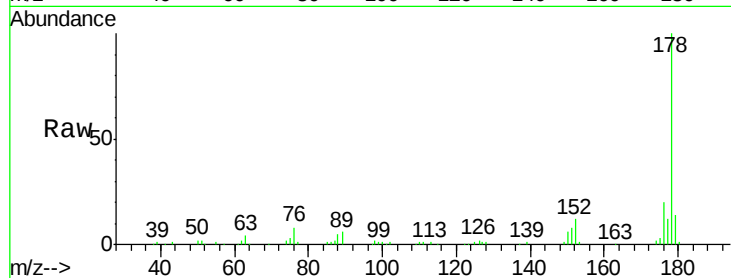




#70
 Phenanthrene
 Concen: 24.11 ng
 RT: 18.81 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

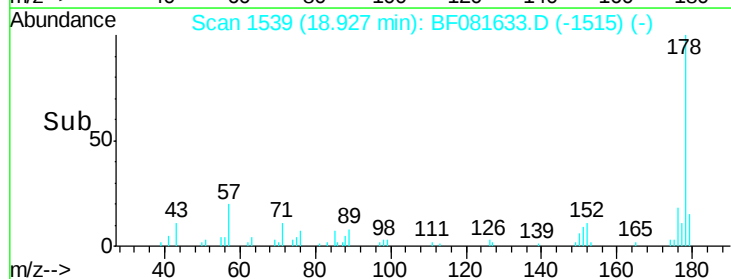
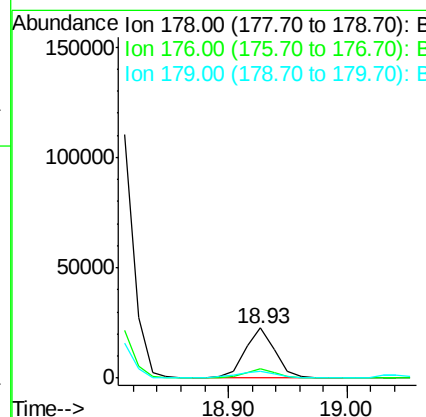
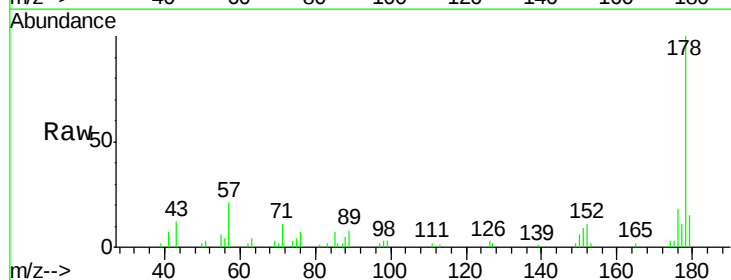
Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

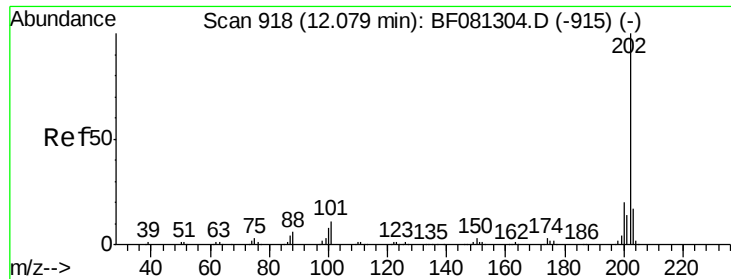
Tgt Ion:178 Resp: 202278
 Ion Ratio Lower Upper
 178 100
 176 19.8 13.8 20.8
 179 14.3 12.2 18.2



#71
 Anthracene
 Concen: 4.62 ng
 RT: 18.93 min Scan# 1539
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion:178 Resp: 39847
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.1 21.1
 179 14.6 12.2 18.2





#74

Fluoranthene

Concen: 25.57 ng

RT: 21.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

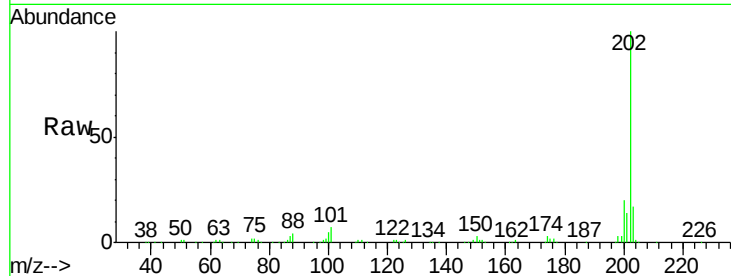
Tgt Ion:202 Resp: 232272

Ion Ratio Lower Upper

202 100

101 7.1 0.0 38.3

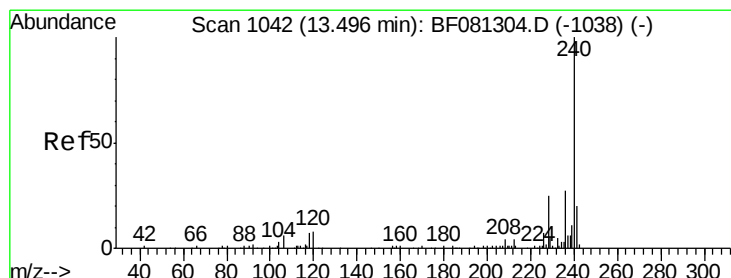
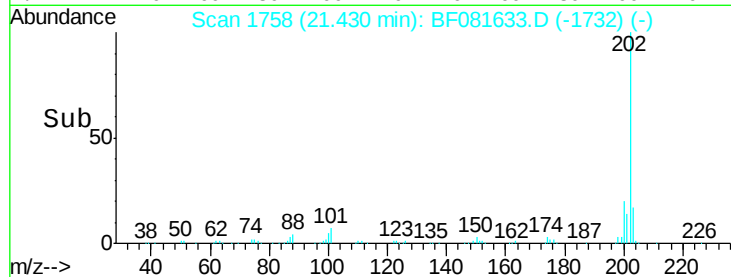
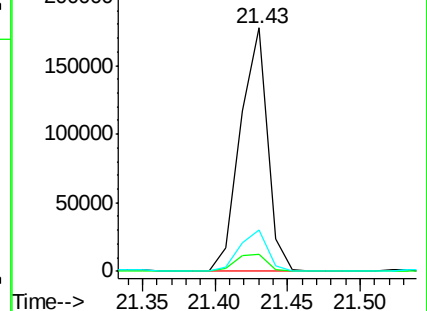
203 17.1 0.0 37.3



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: 23.38 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

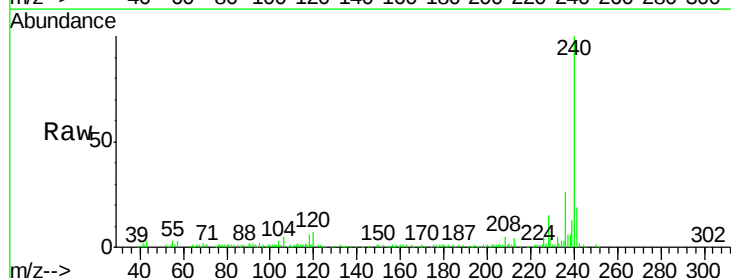
Tgt Ion:240 Resp: 101779

Ion Ratio Lower Upper

240 100

120 7.3 16.2 24.2#

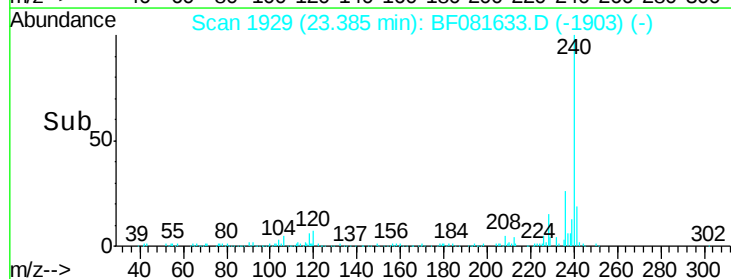
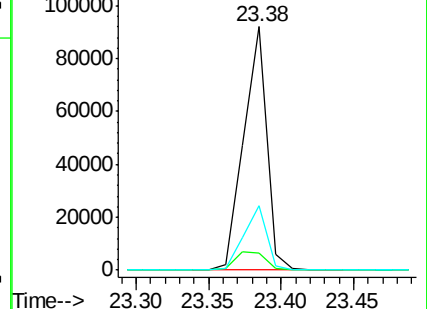
236 26.4 18.4 27.6

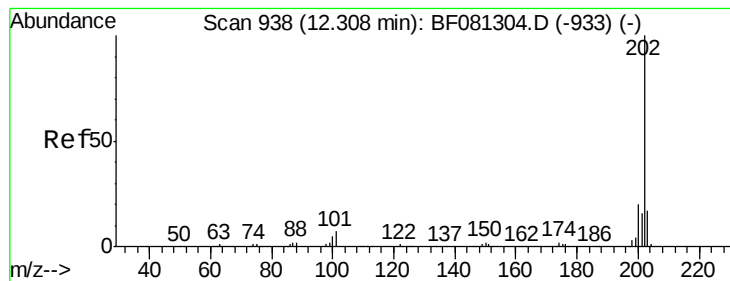


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 30.49 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

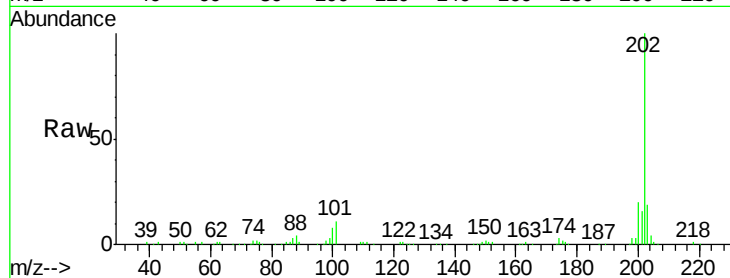
Tgt Ion: 202 Resp: 229898

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

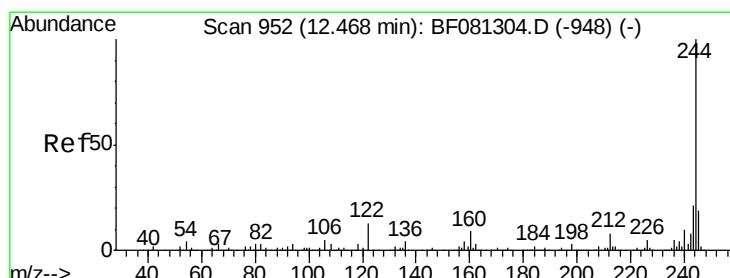
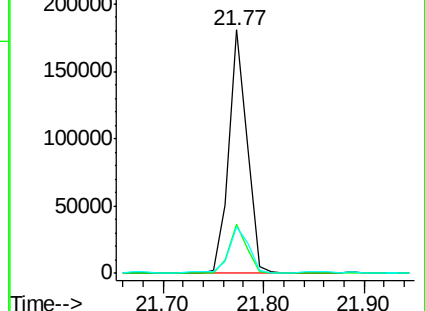
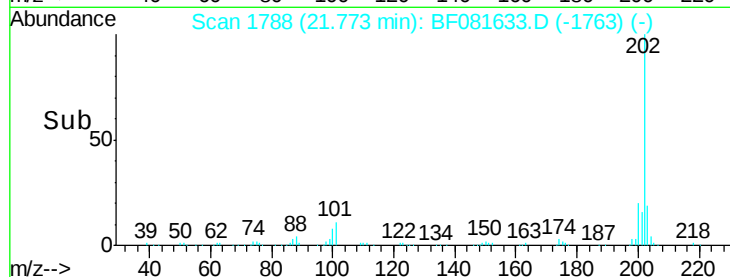
203 19.1 14.1 21.1



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: 13.03 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

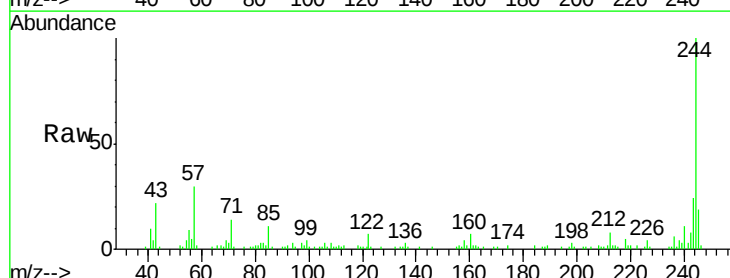
Tgt Ion: 244 Resp: 56961

Ion Ratio Lower Upper

244 100

212 8.3 4.3 6.5#

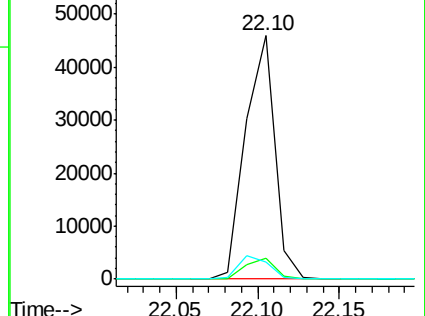
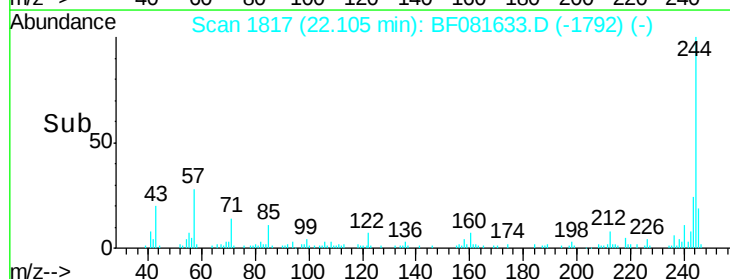
122 7.2 17.4 26.2#

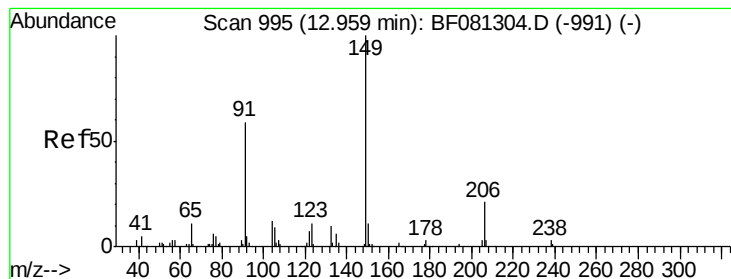


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.63 ng

RT: 22.80 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

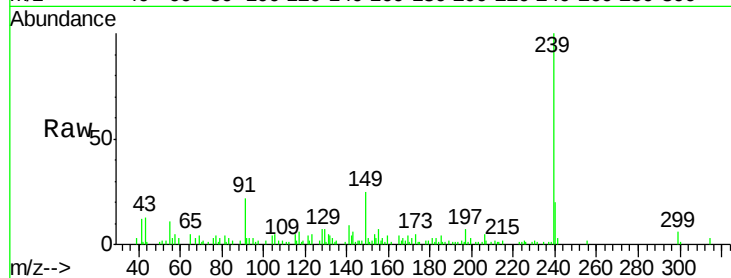
Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

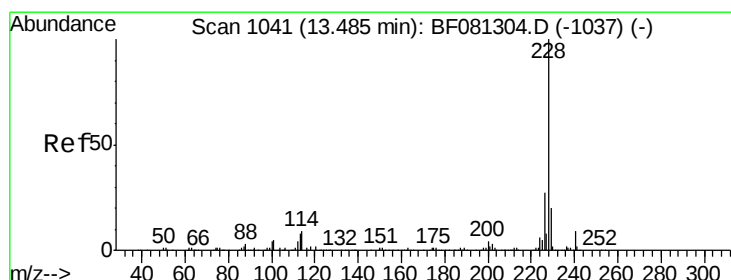
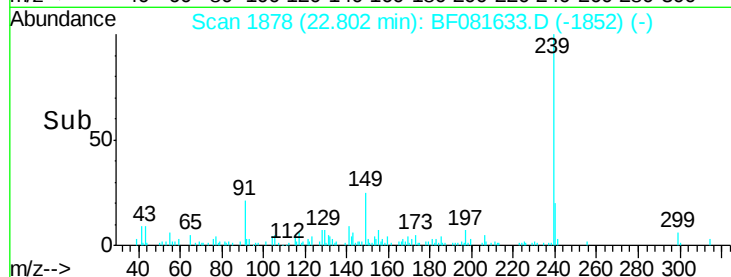
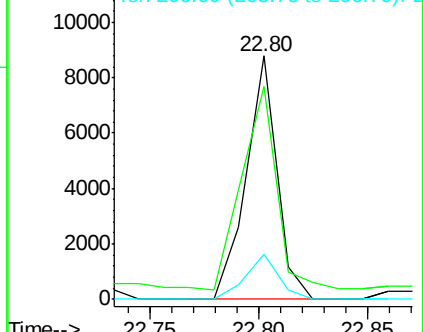
Tgt Ion:	149	Resp:	8607
Ion Ratio	Lower	Upper	
149	100		
91	87.3	48.6	72.8#
206	18.6	14.9	22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 13.22 ng

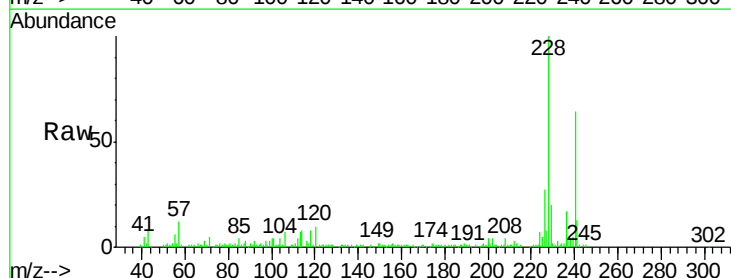
RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

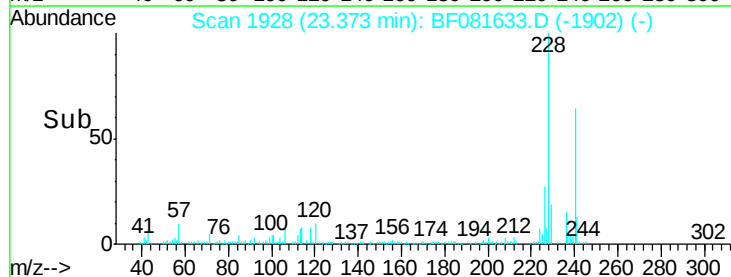
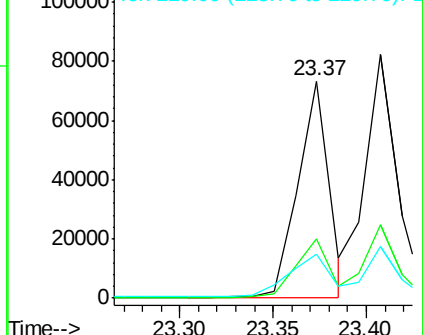
Tgt Ion:	228	Resp:	85679
Ion Ratio	Lower	Upper	
228	100		
226	27.2	20.0	30.0
229	20.3	15.4	23.2

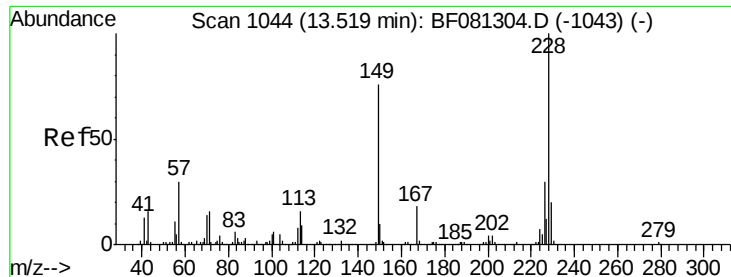


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.46 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

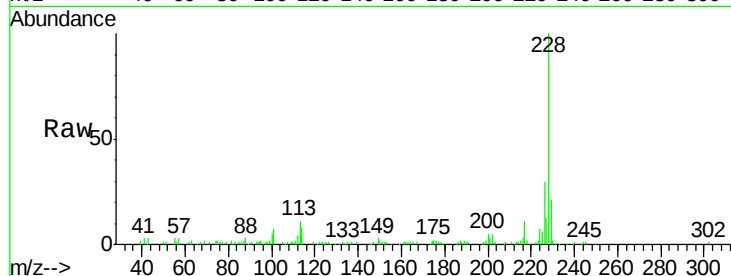
Tgt Ion:228 Resp: 95664

Ion Ratio Lower Upper

228 100

226 30.1 21.0 31.4

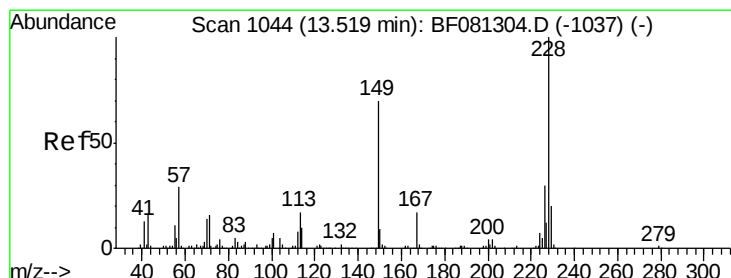
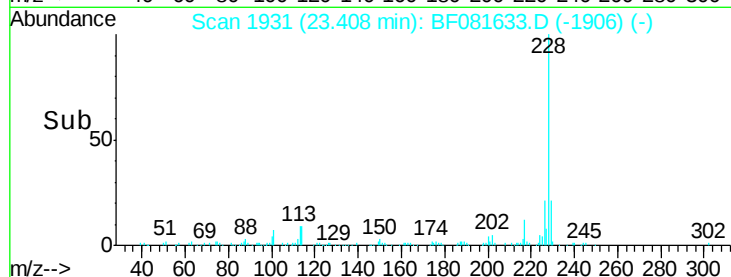
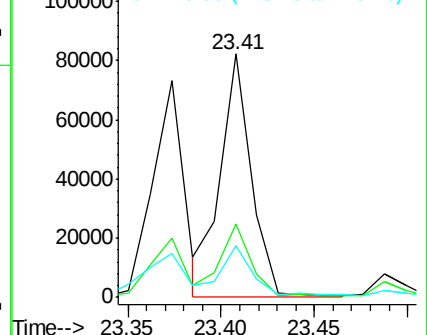
229 21.0 15.6 23.4



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: 4.12 ng

RT: 23.49 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

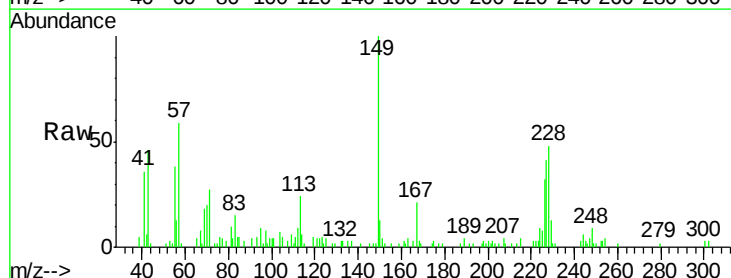
Tgt Ion:149 Resp: 17831

Ion Ratio Lower Upper

149 100

167 21.5 24.2 36.2#

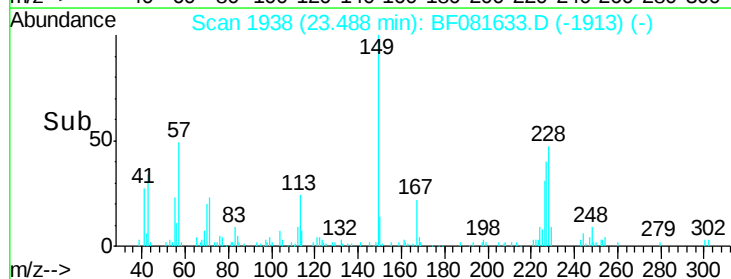
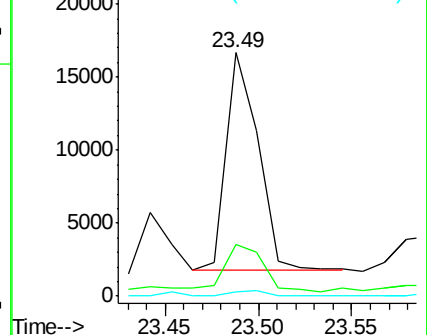
279 1.9 3.8 5.6#

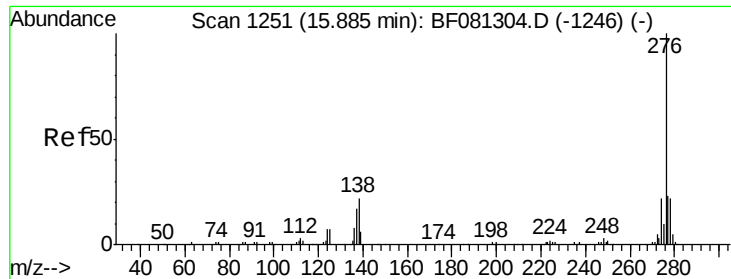


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.44 ng

RT: 25.76 min Scan# 2137

Delta R.T. -0.11 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

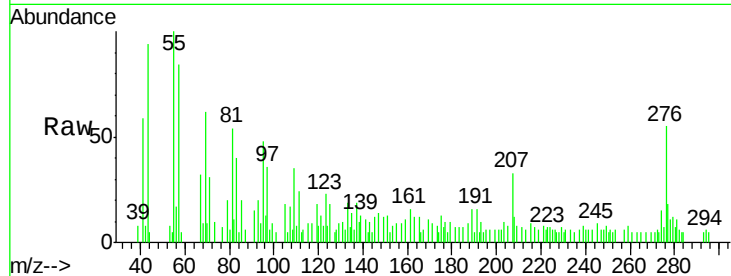
Tgt Ion:276 Resp: 10422

Ion Ratio Lower Upper

276 100

138 31.6 25.7 38.5

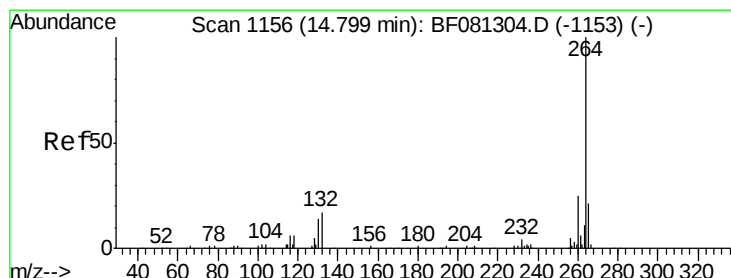
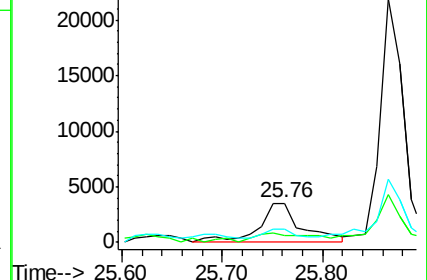
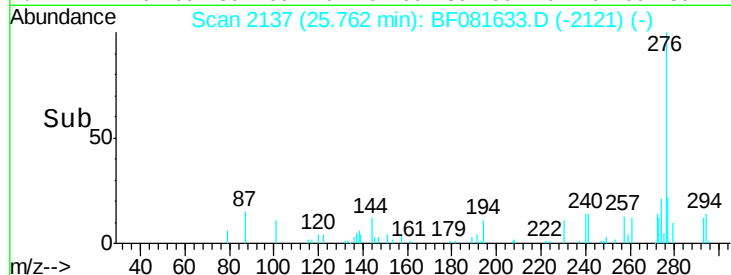
277 22.3 15.6 23.4



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: 24.81 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

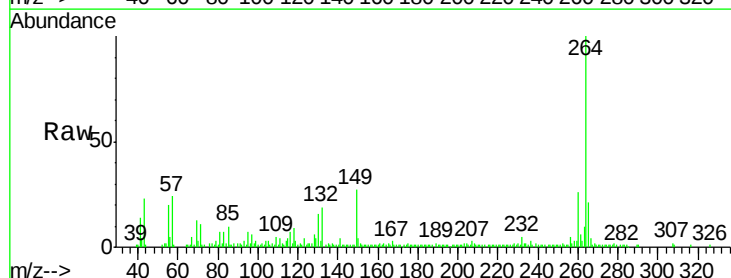
Tgt Ion:264 Resp: 83213

Ion Ratio Lower Upper

264 100

260 25.8 16.7 25.1#

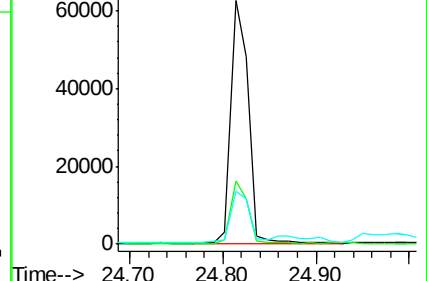
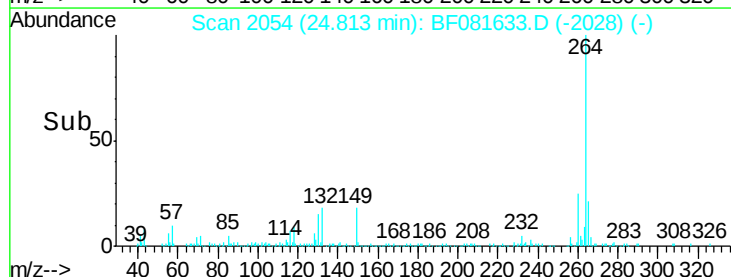
265 21.5 17.2 25.8

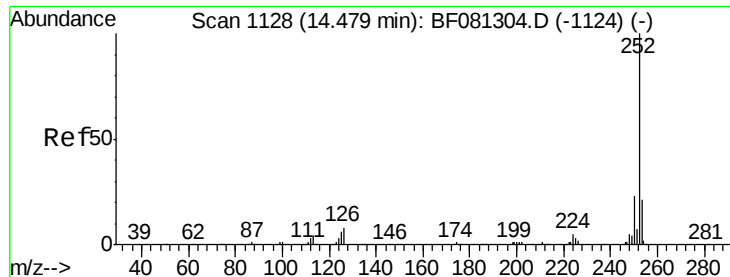


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

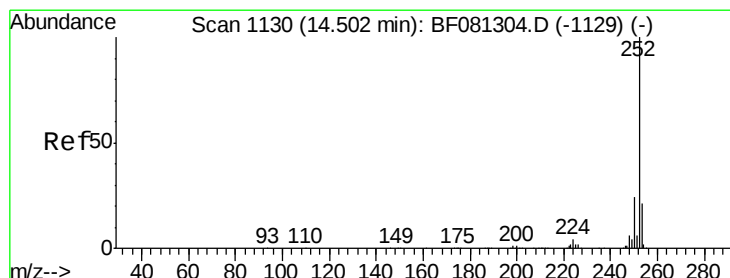
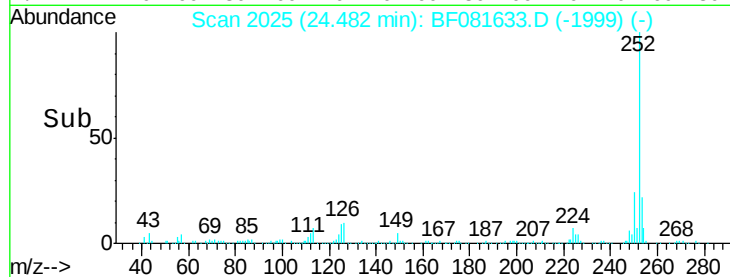
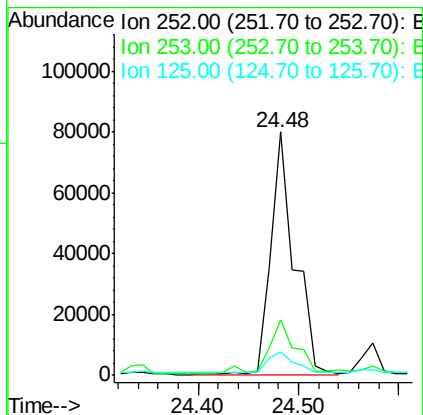
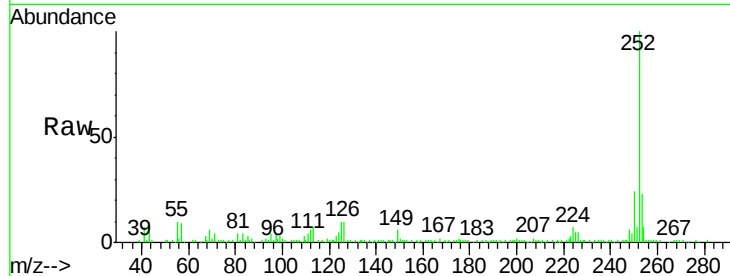




#87
Benzo(b)fluoranthene
Concen: 21.93 ng
RT: 24.48 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

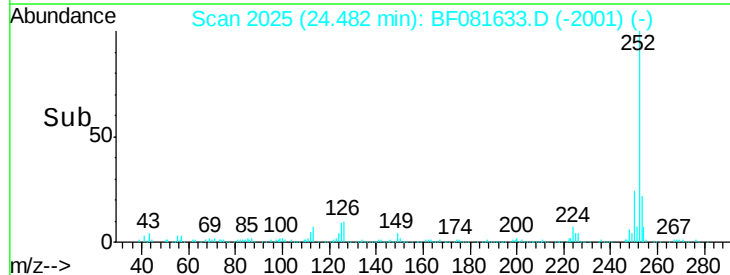
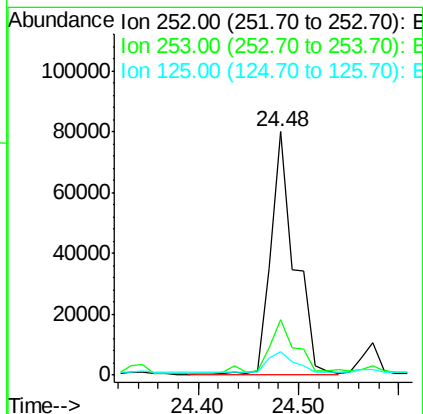
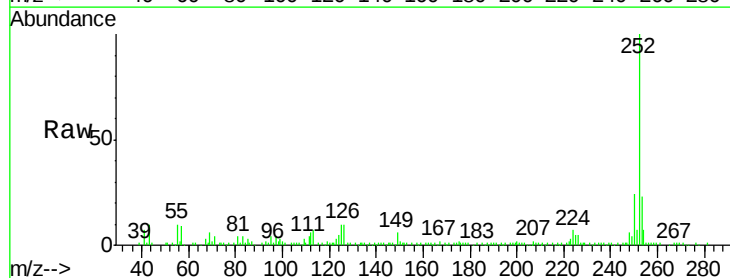
Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

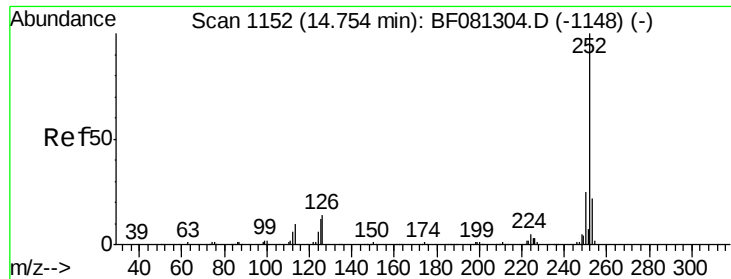
Tgt Ion:252 Resp: 130283
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.9 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 26.43 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion:252 Resp: 130283
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.9 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 13.31 ng

RT: 24.77 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)

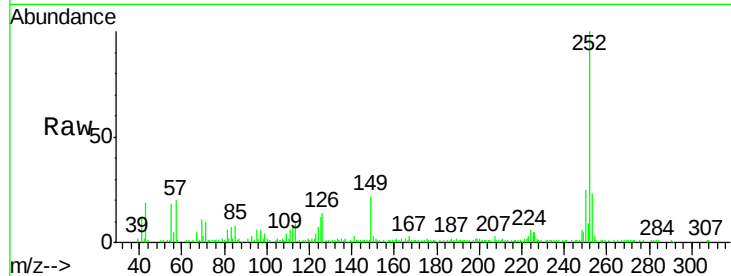
Tgt Ion:252 Resp: 67017

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

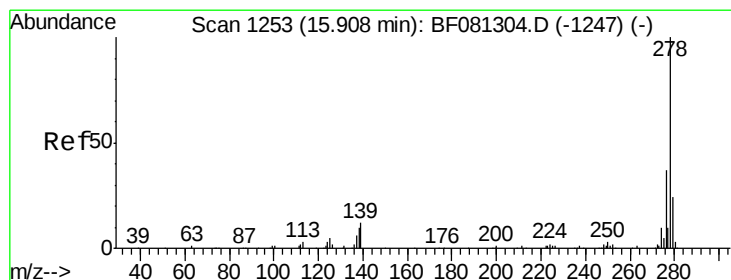
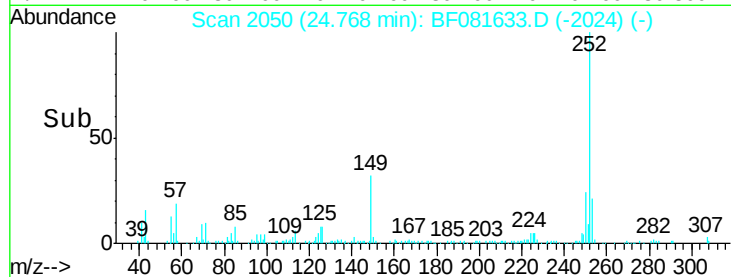
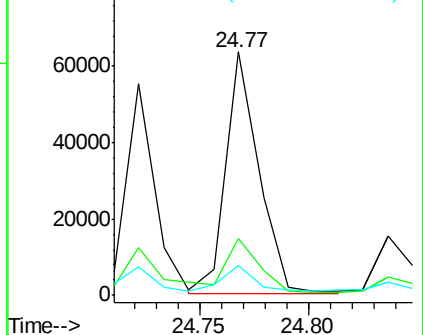
125 12.1 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 25.88 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

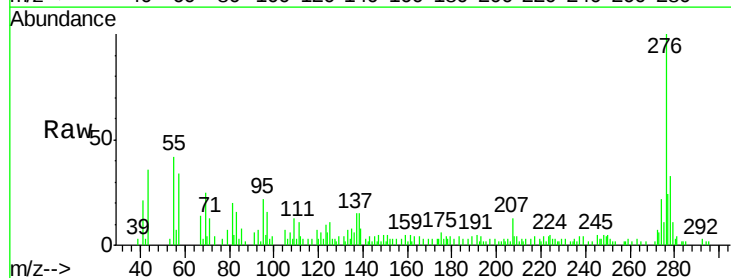
Tgt Ion:278 Resp: 10605

Ion Ratio Lower Upper

278 100

139 24.2 26.3 39.5#

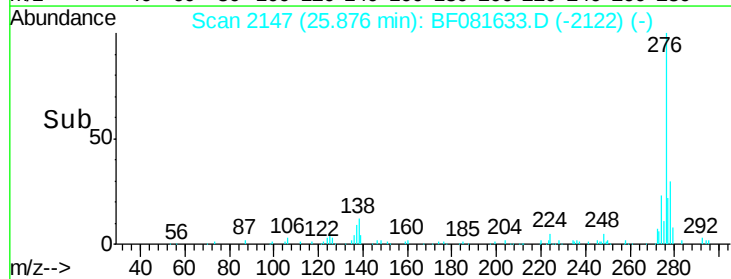
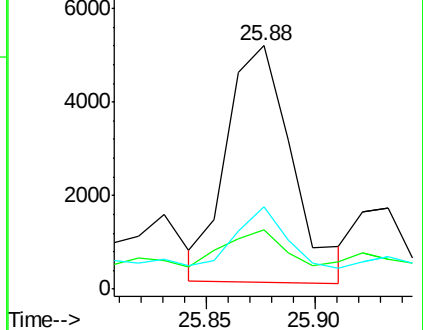
279 34.0 18.2 27.4#

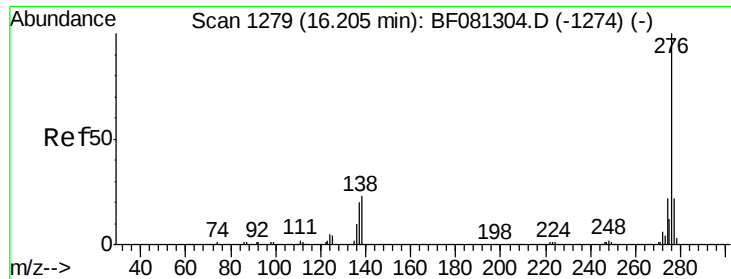


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

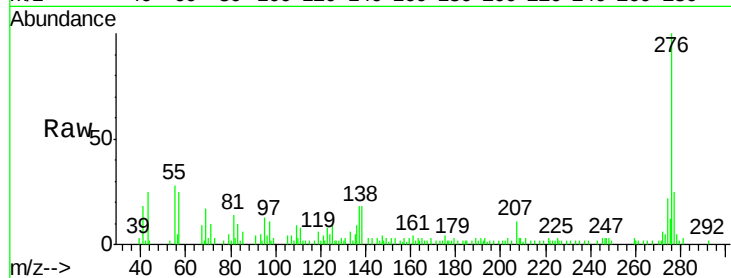




#91
 Benzo(g,h,i)perylene
 Concen: 9.40 ng
 RT: 26.17 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	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

