

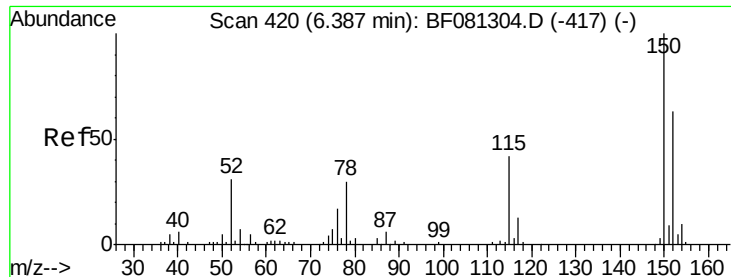
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081632.D
 Acq On : 15 Sep 2015 16:38
 Operator : UM/IZ
 Sample : G3597-14RE 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Quant Time: Sep 15 17:10:38 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	48001	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	190059	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	85817	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	158673	20.00	ng	0.00
75) Chrysene-d12	23.38	240	99395	20.00	ng	0.00
86) Perylene-d12	24.81	264	81177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	56170	18.16	ng	0.00
7) Phenol-d6	7.66	99	80264	19.60	ng	0.01
23) Nitrobenzene-d5	9.50	82	53139	13.49	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	12633	16.53	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	93221	13.92	ng	-0.02
78) Terphenyl-d14	22.10	244	66597	15.60	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.54	88	13752	9.90	ng	# 11
19) n-Nitroso-di-n-propylamine	9.50	70	6913	2.48	ng	# 67
49) Dimethylphthalate	14.81	163	18820	2.82	ng	# 93
70) Phenanthrene	18.80	178	50710	5.75	ng	97
74) Fluoranthene	21.42	202	163770	17.15	ng	90
77) Pyrene	21.77	202	149255	20.27	ng	96
80) Benzo(a)anthracene	23.37	228	62563	9.88	ng	95
82) Chrysene	23.41	228	70264	12.38	ng	93
83) Bis(2-ethylhexyl)phthalate	23.49	149	9643	2.28	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.86	276	33507	8.05	ng	# 76
87) Benzo(b)fluoranthene	24.48	252	115175	19.87	ng	# 86
88) Benzo(k)fluoranthene	24.48	252	115175	23.95	ng	# 87
89) Benzo(a)pyrene	24.77	252	50719	10.33	ng	# 84
90) Dibenzo(a,h)anthracene	25.88	278	11036	2.91	ng	# 87
91) Benzo(g,h,i)perylene	26.17	276	29879	8.25	ng	# 73

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

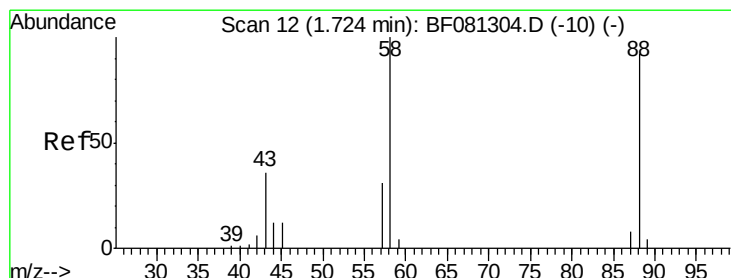
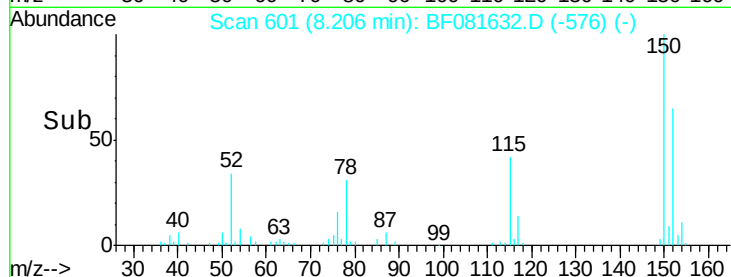
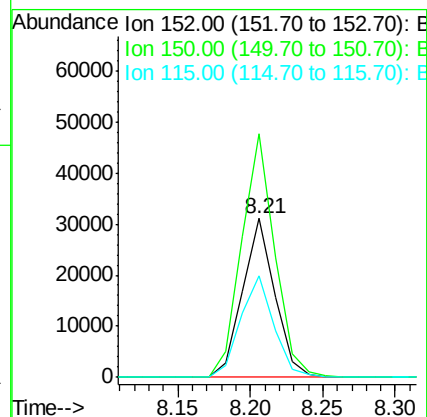
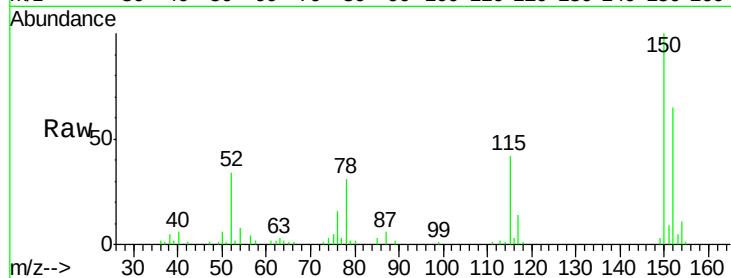
Tgt Ion:152 Resp: 48001

Ion Ratio Lower Upper

152 100

150 153.3 124.7 187.1

115 63.9 39.0 58.4#



#2

1,4-Dioxane

Concen: 9.90 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

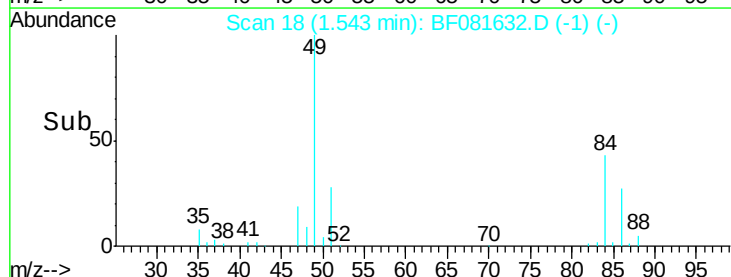
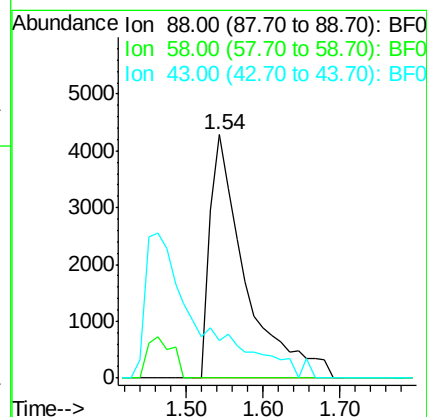
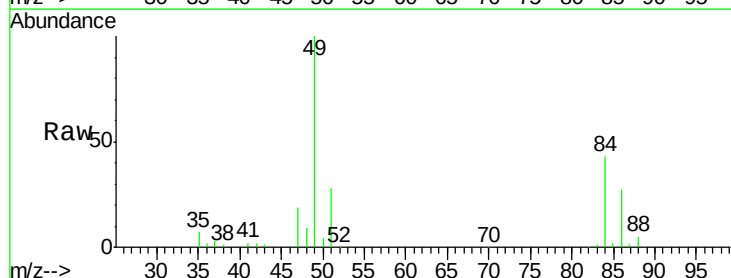
Tgt Ion: 88 Resp: 13752

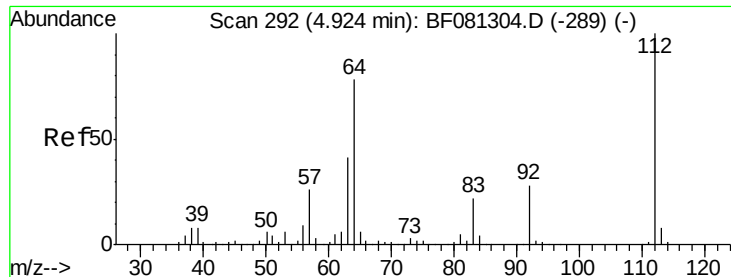
Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 18.16 ng

RT: 5.35 min Scan# 351

Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

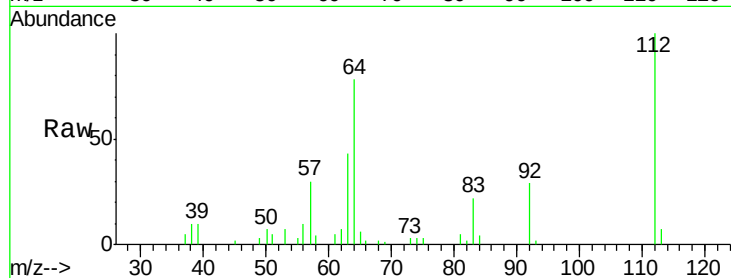
Tgt Ion: 112 Resp: 56170

Ion Ratio Lower Upper

112 100

64 78.0 39.7 59.5#

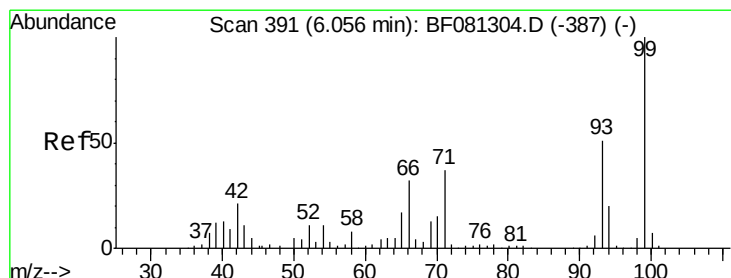
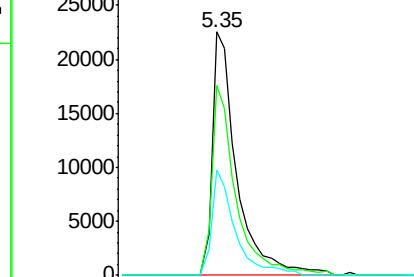
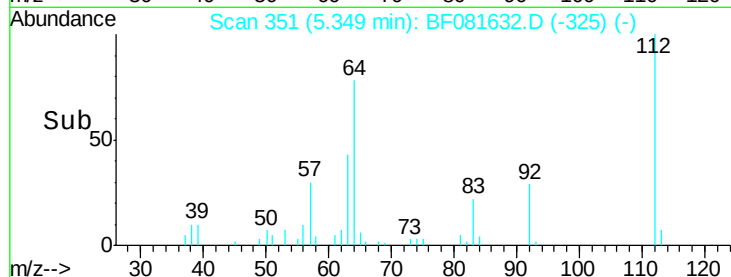
63 43.3 17.4 26.0#



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: 19.60 ng

RT: 7.66 min Scan# 553

Delta R.T. 0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

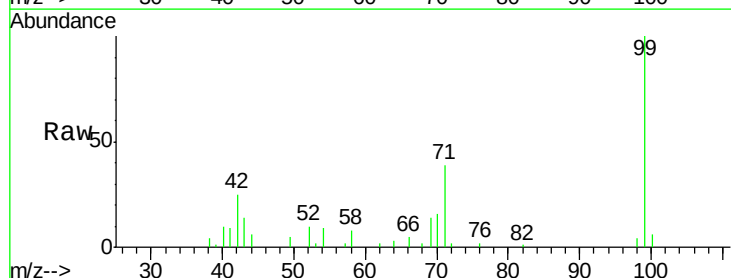
Tgt Ion: 99 Resp: 80264

Ion Ratio Lower Upper

99 100

42 24.7 13.7 20.5#

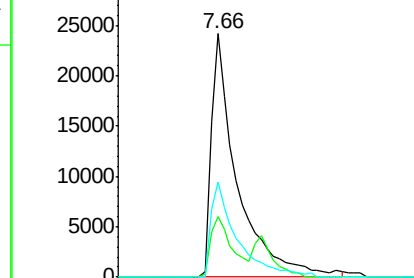
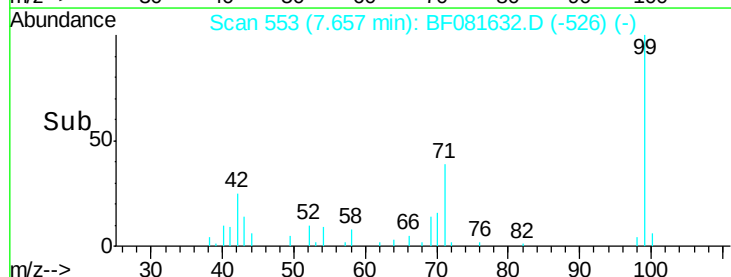
71 38.9 14.2 21.2#

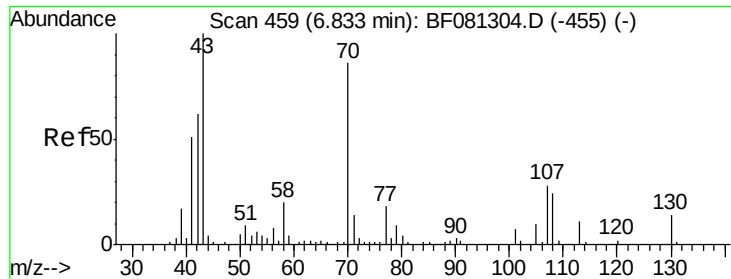


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

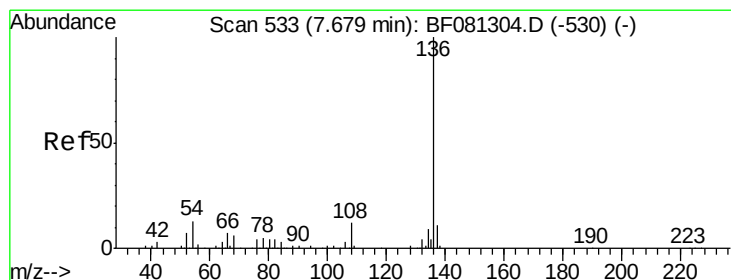
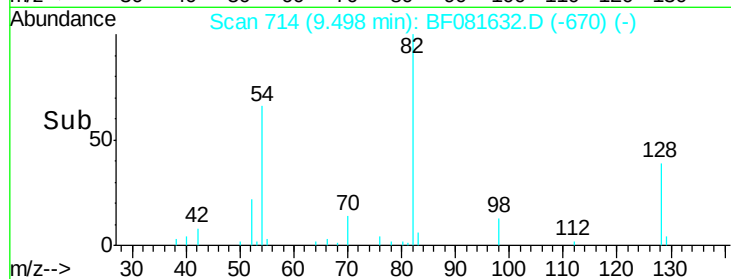
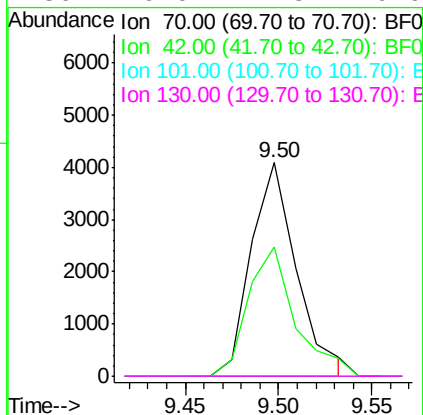
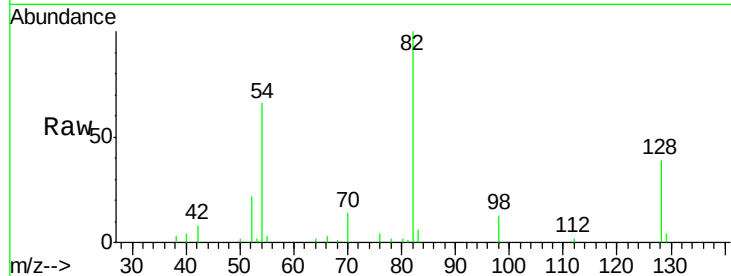




#19
n-Nitroso-di-n-propylamine
Concen: 2.48 ng
RT: 9.50 min Scan# 714
Delta R.T. 0.21 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

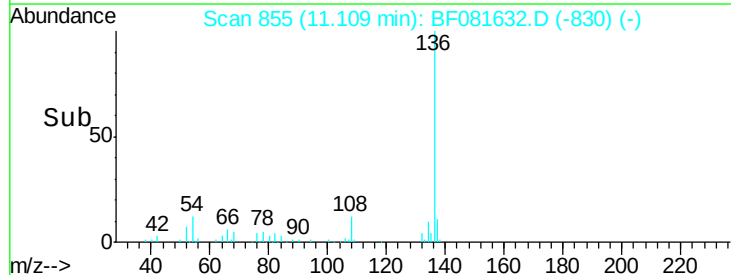
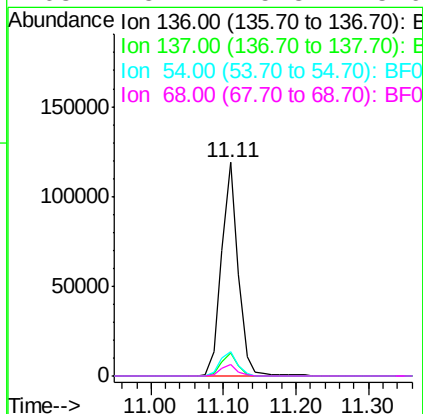
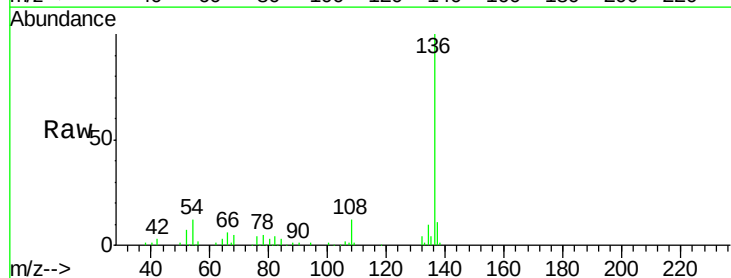
Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

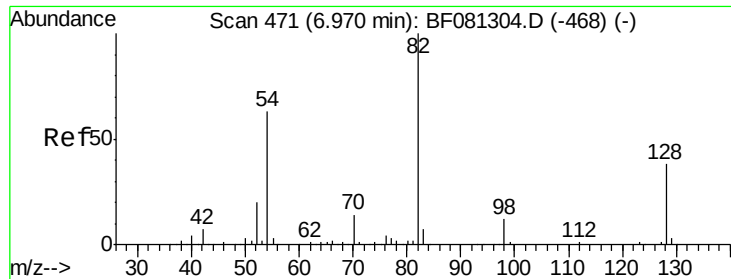
Tgt Ion: 70 Resp: 6913
Ion Ratio Lower Upper
70 100
42 60.5 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Tgt Ion: 136 Resp: 190059
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 11.5 8.2 12.2
68 5.2 5.8 8.6#

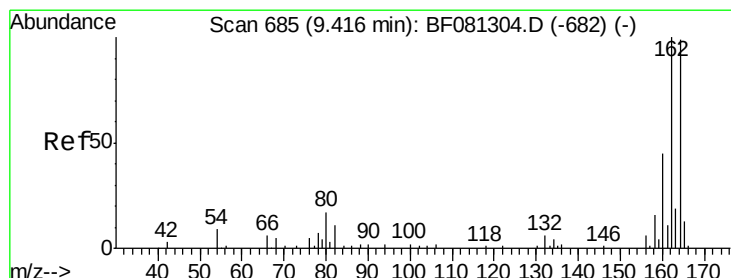
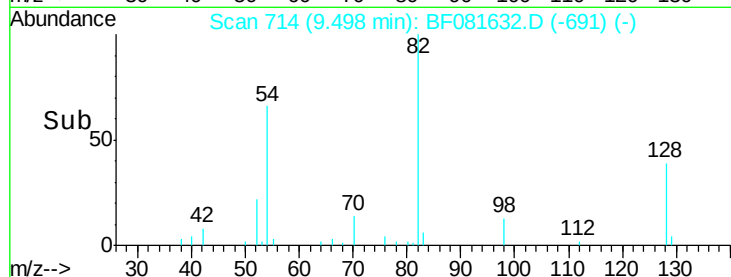
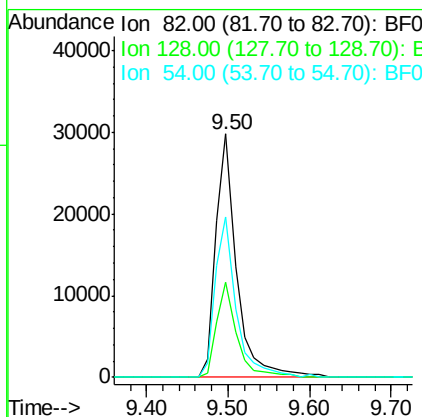
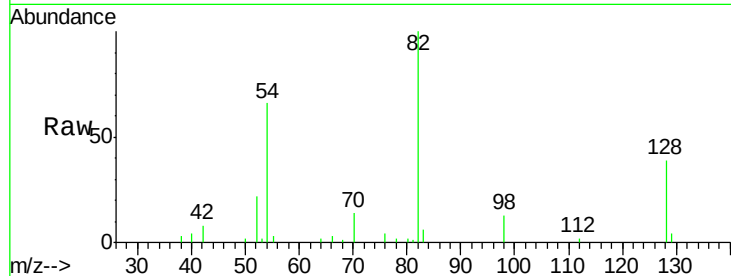




#23
 Nitrobenzene-d5
 Concen: 13.49 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

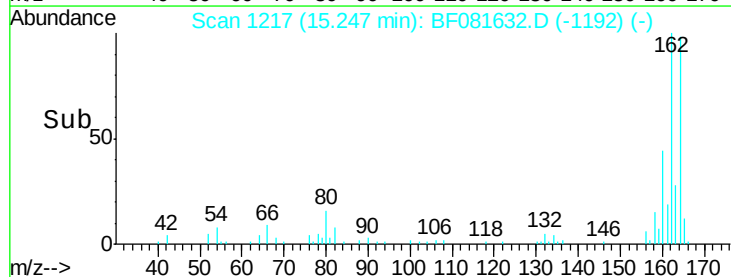
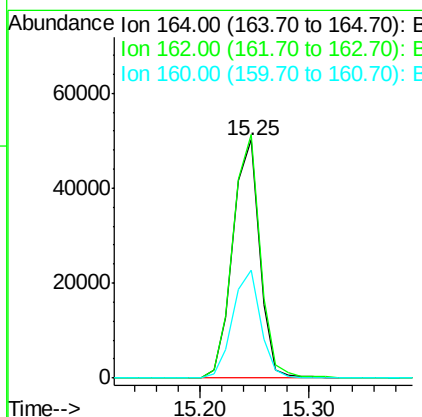
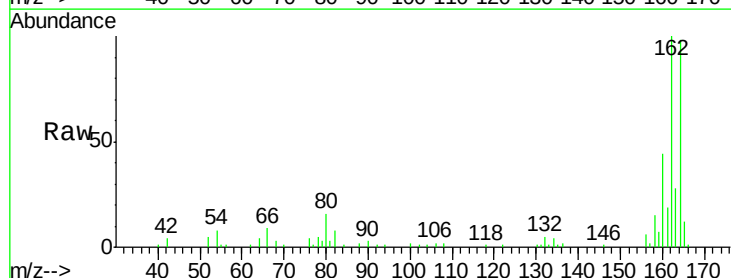
Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

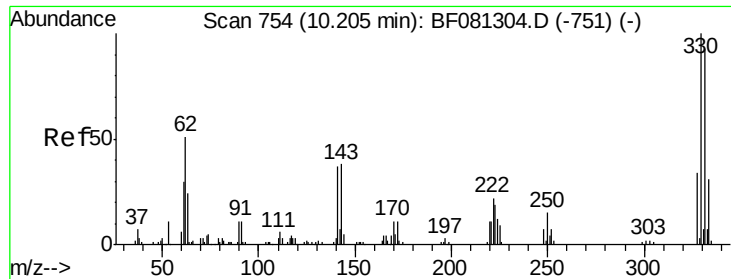
Tgt Ion: 82 Resp: 53139
 Ion Ratio Lower Upper
 82 100
 128 39.3 51.0 76.6#
 54 65.8 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion: 164 Resp: 85817
 Ion Ratio Lower Upper
 164 100
 162 102.2 75.2 112.8
 160 45.2 31.5 47.3

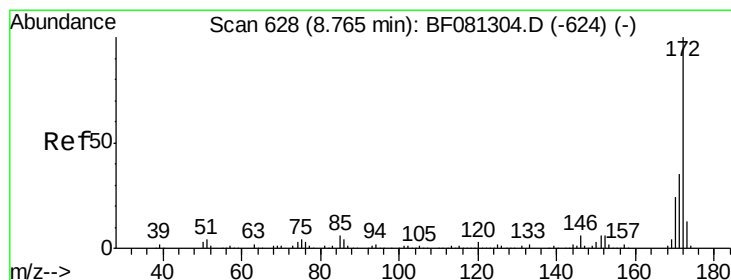
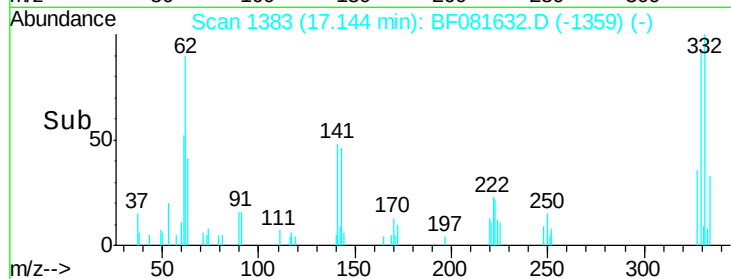
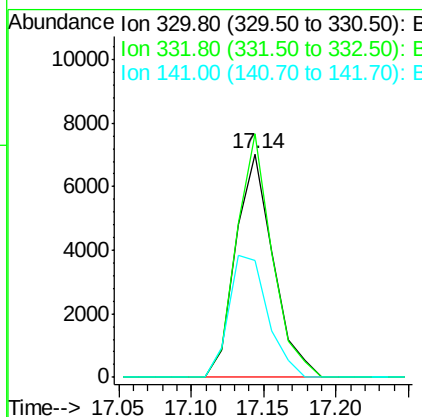
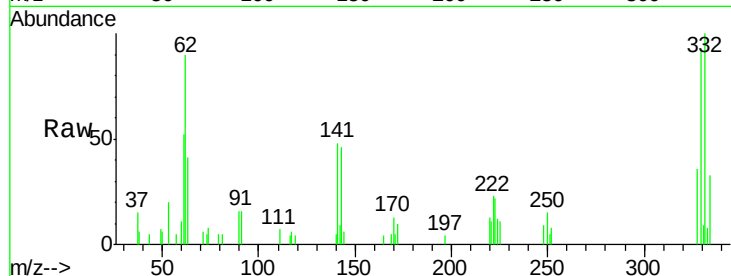




#41
 2,4,6-Tribromophenol
 Concen: 16.53 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

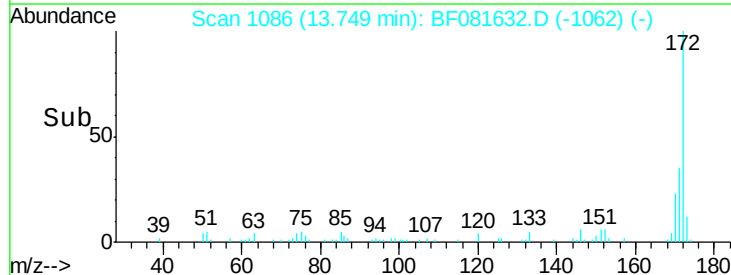
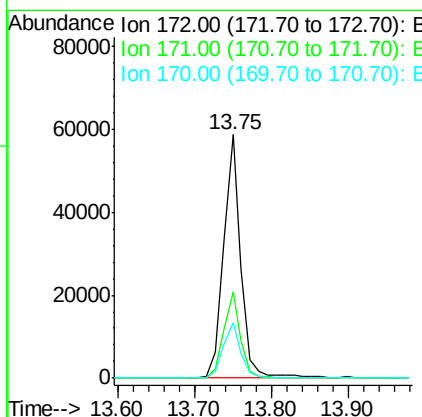
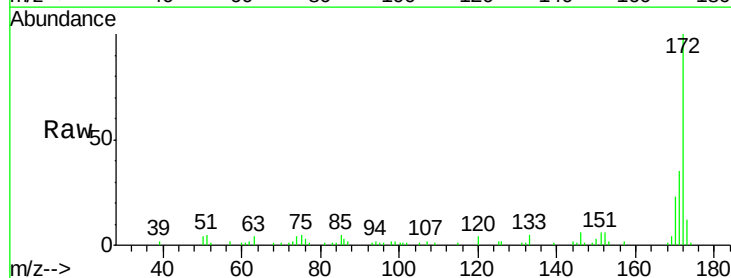
Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

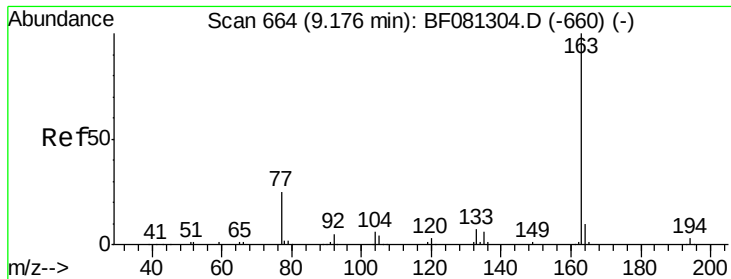
Tgt Ion:330 Resp: 12633
 Ion Ratio Lower Upper
 330 100
 332 103.3 76.6 114.8
 141 56.5 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 13.92 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion:172 Resp: 93221
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 22.9 17.4 26.2





#49

Dimethylphthalate

Concen: 2.82 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

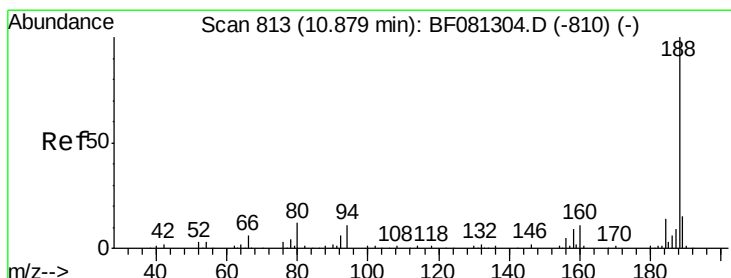
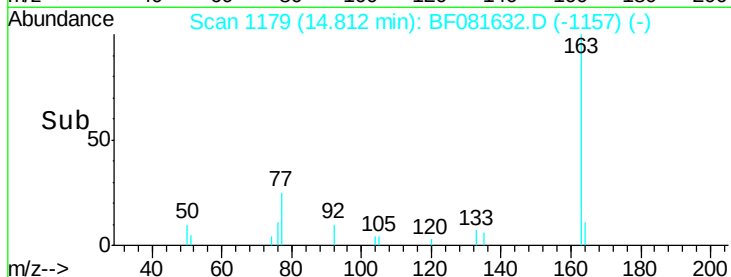
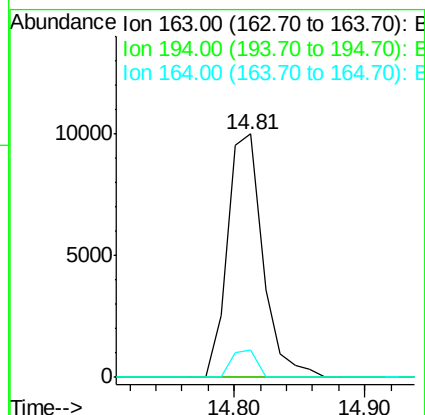
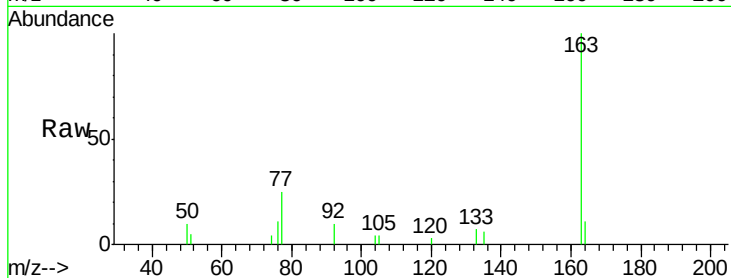
Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

Tgt Ion:	163	Resp:	18820
Ion	Ratio	Lower	Upper
163	100		
194	0.0	4.4	6.6#
164	11.2	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

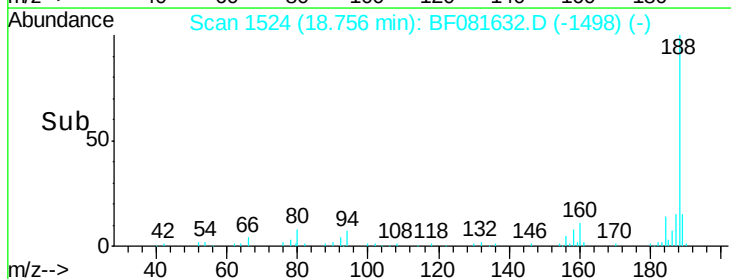
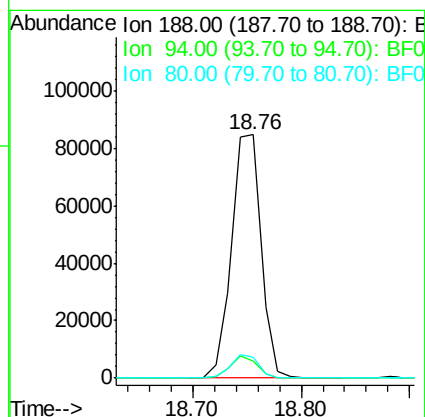
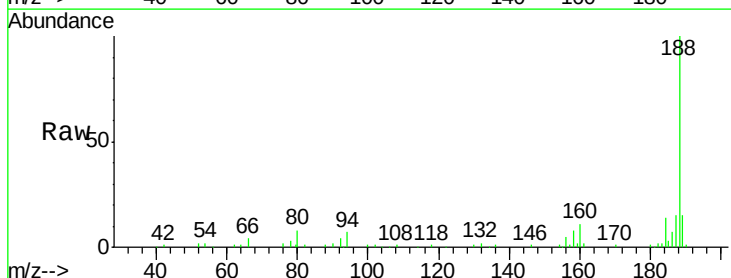
RT: 18.76 min Scan# 1524

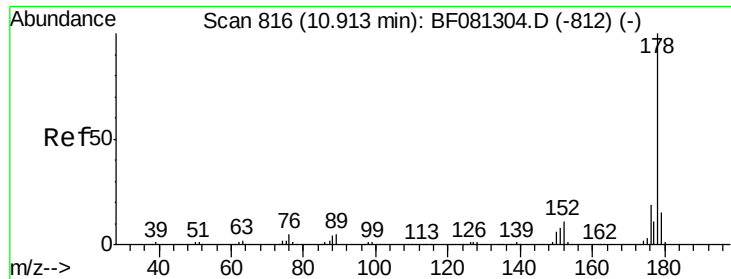
Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion:	188	Resp:	158673
Ion	Ratio	Lower	Upper
188	100		
94	7.3	11.1	16.7#
80	8.5	11.0	16.4#

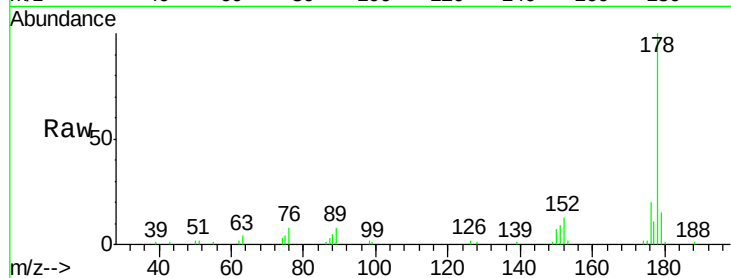




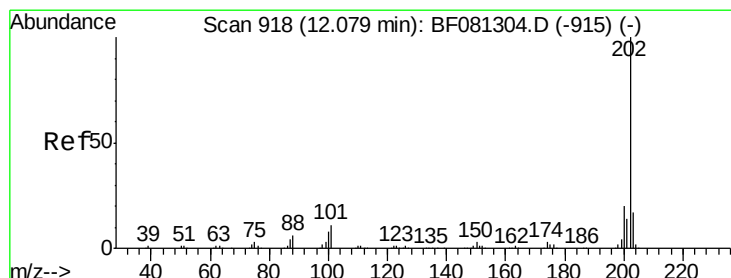
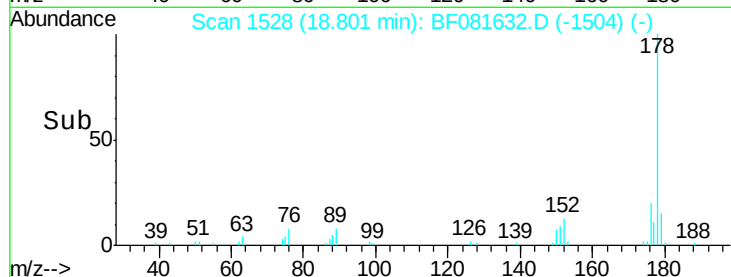
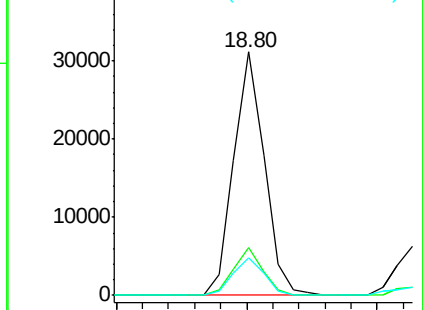
#70
 Phenanthrene
 Concen: 5.75 ng
 RT: 18.80 min Scan# 1528
 Delta R.T. -0.02 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	13.8	20.8
179	15.3	12.2	18.2

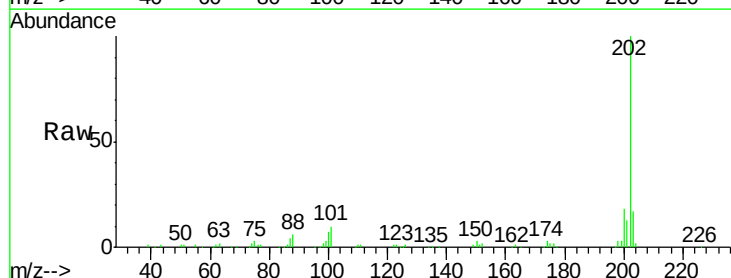


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

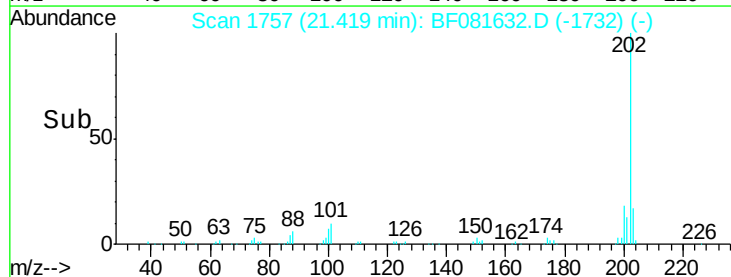
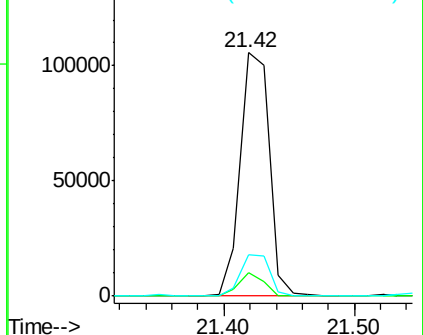


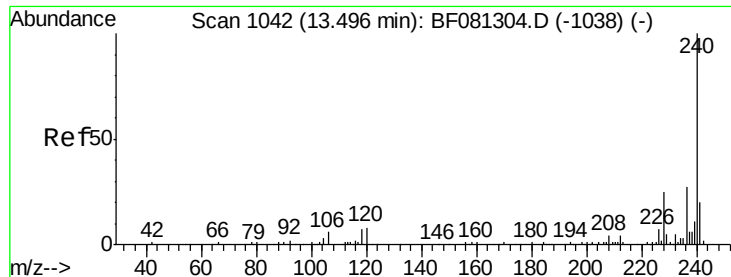
#74
 Fluoranthene
 Concen: 17.15 ng
 RT: 21.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	38.3
203	17.0	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: BF081632.D

Acq: 15 Sep 2015 16:38

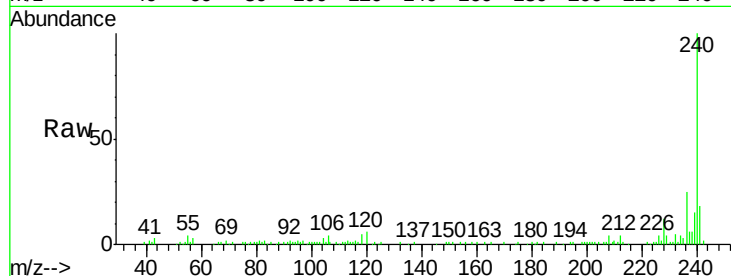
Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

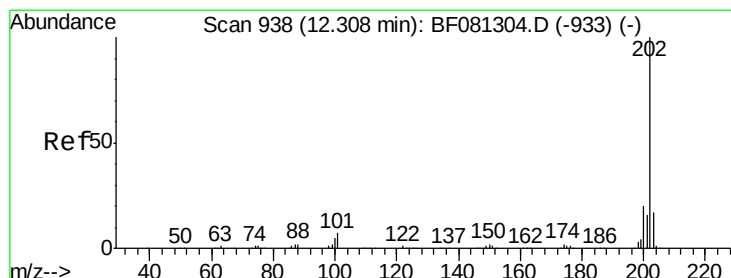
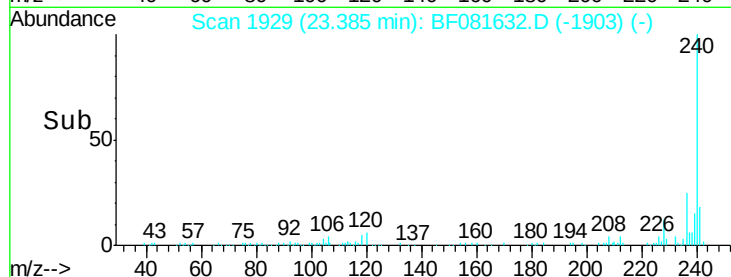
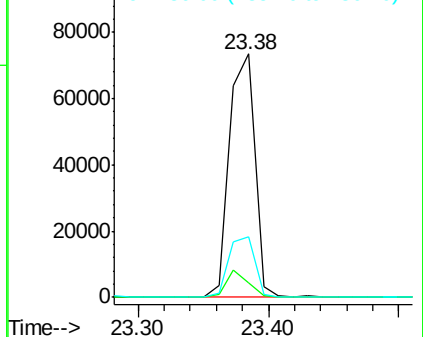
Tgt Ion:	240	Resp:	99395
Ion Ratio	Lower	Upper	
240	100		
120	5.7	16.2	24.2#
236	25.1	18.4	27.6



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: 20.27 ng

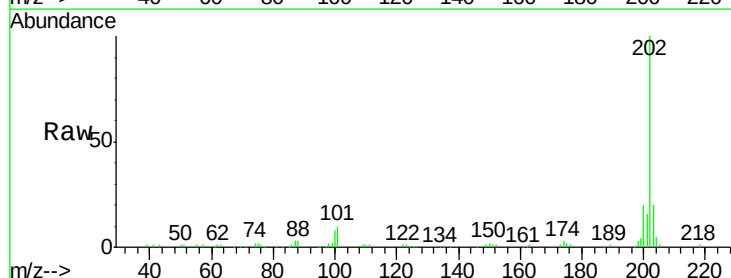
RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

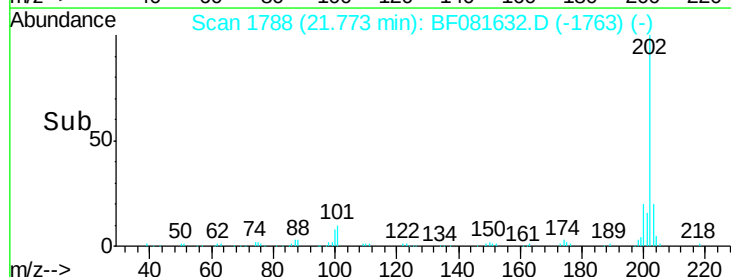
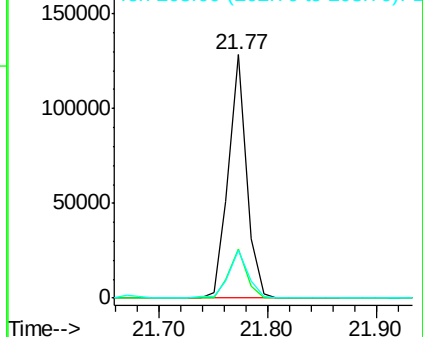
Tgt Ion:	202	Resp:	149255
Ion Ratio	Lower	Upper	
202	100		
200	19.9	15.0	22.4
203	19.7	14.1	21.1

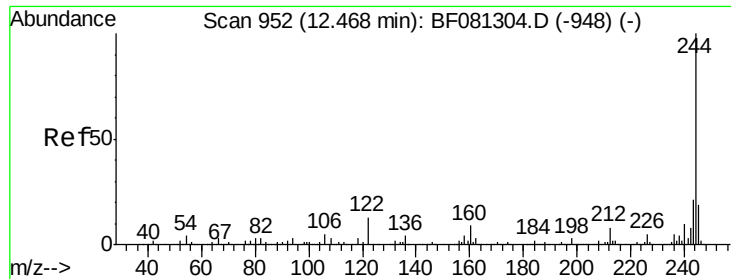


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.60 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

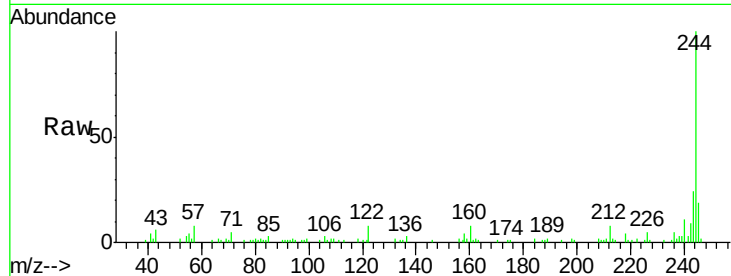
Tgt Ion:244 Resp: 66597

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

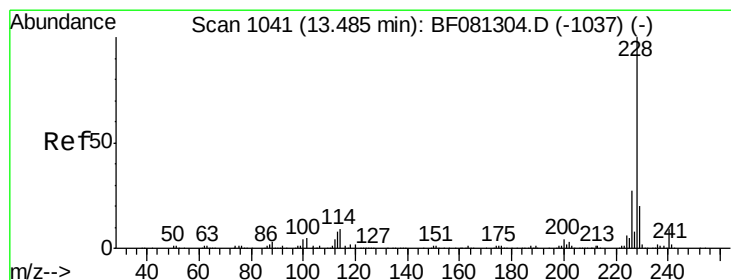
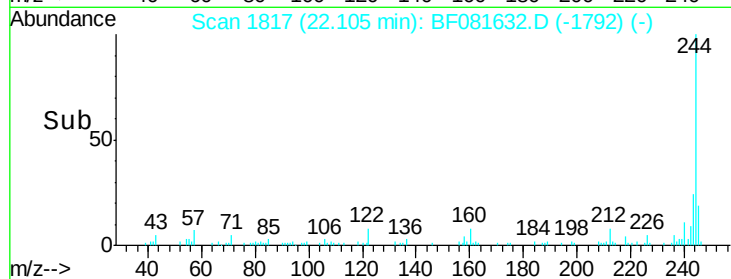
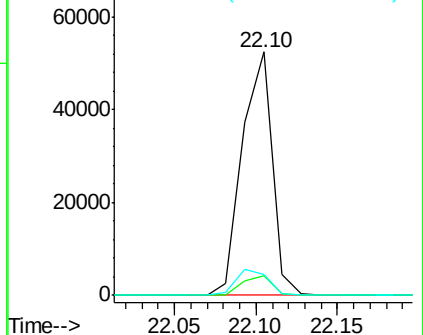
122 8.4 17.4 26.2#



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: 9.88 ng

RT: 23.37 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

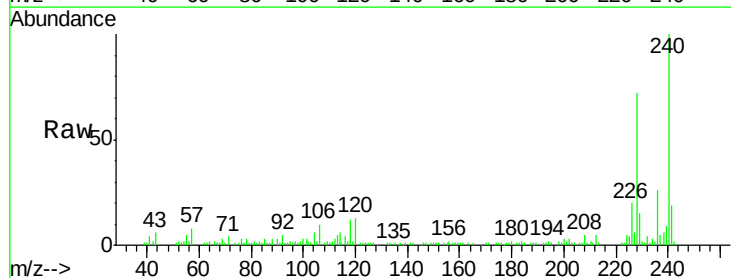
Tgt Ion:228 Resp: 62563

Ion Ratio Lower Upper

228 100

226 27.7 20.0 30.0

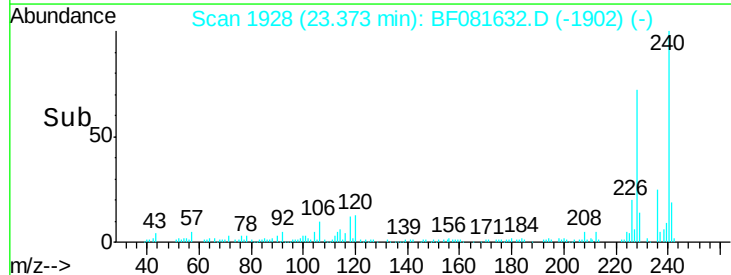
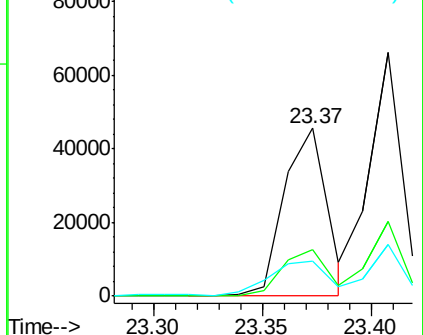
229 20.9 15.4 23.2

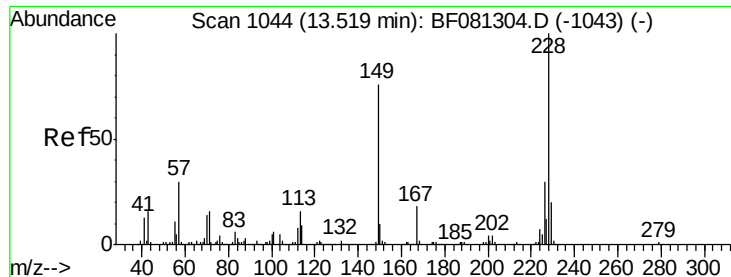


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.38 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

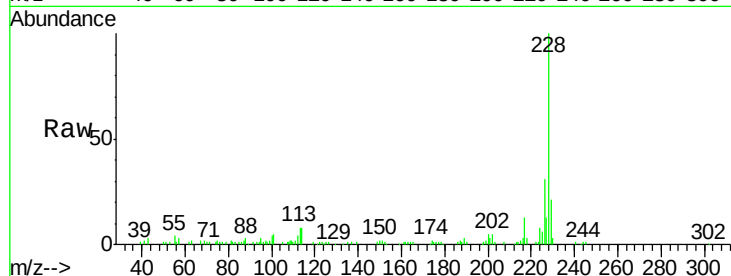
Tgt Ion:228 Resp: 70264

Ion Ratio Lower Upper

228 100

226 30.7 21.0 31.4

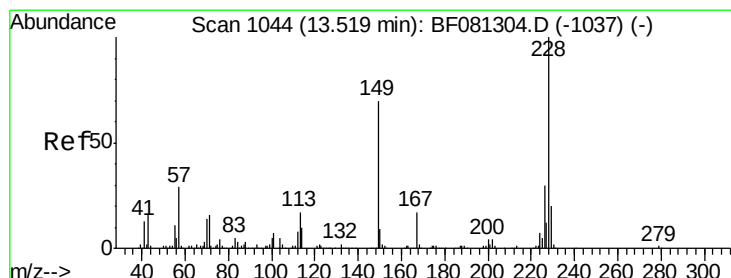
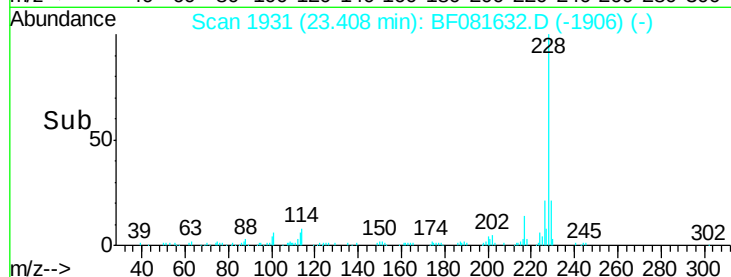
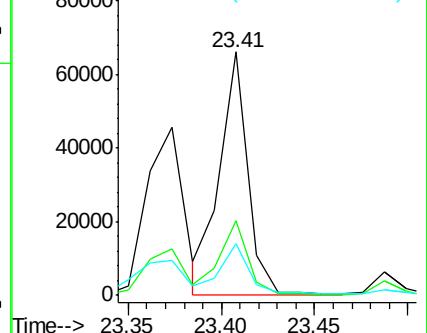
229 21.3 15.6 23.4



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: 2.28 ng

RT: 23.49 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

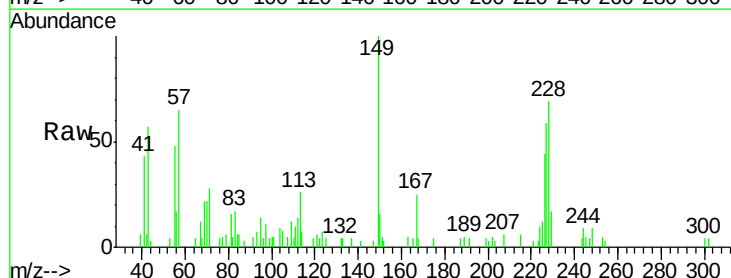
Tgt Ion:149 Resp: 9643

Ion Ratio Lower Upper

149 100

167 24.9 24.2 36.2

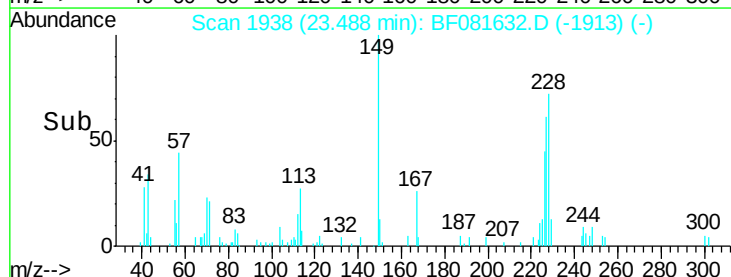
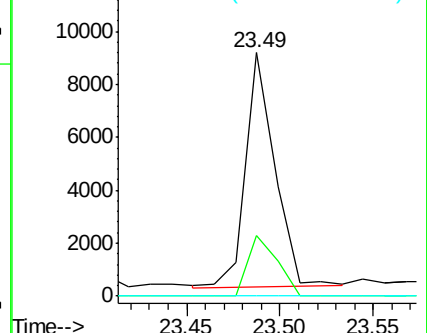
279 0.0 3.8 5.6#

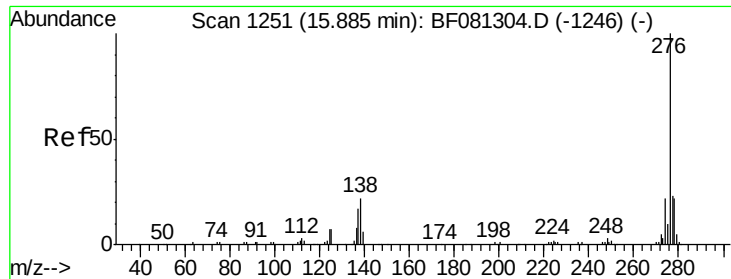


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

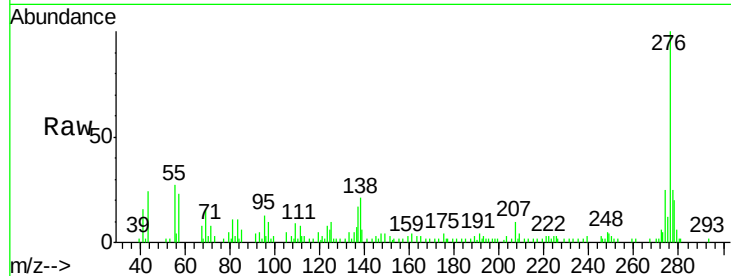




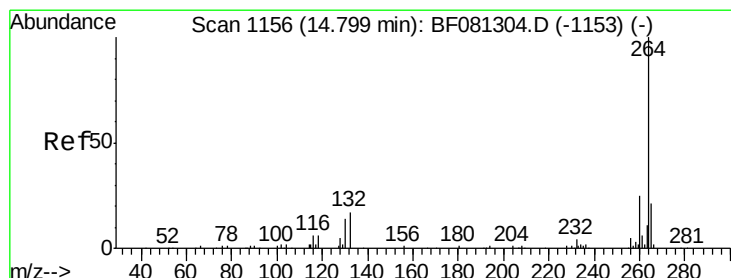
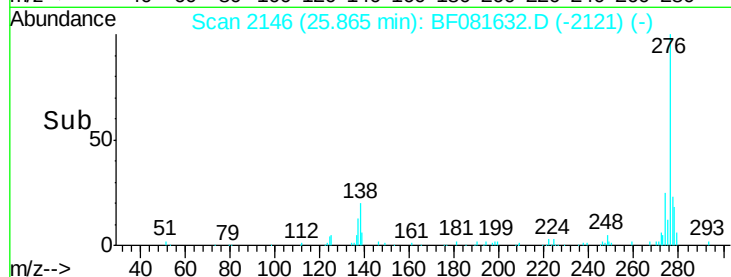
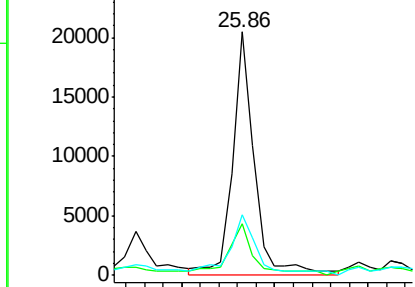
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.05 ng
 RT: 25.86 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion: 276 Resp: 33507
 Ion Ratio Lower Upper
 276 100
 138 20.2 25.7 38.5#
 277 32.8 15.6 23.4#

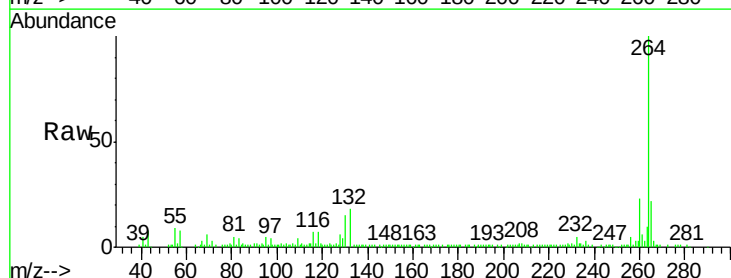


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

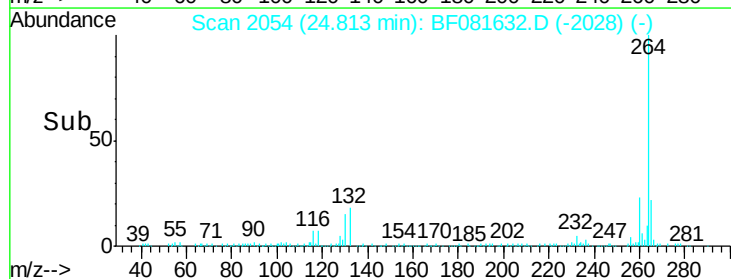
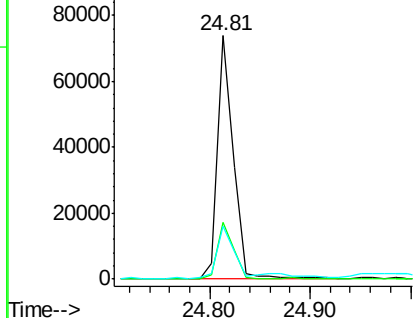


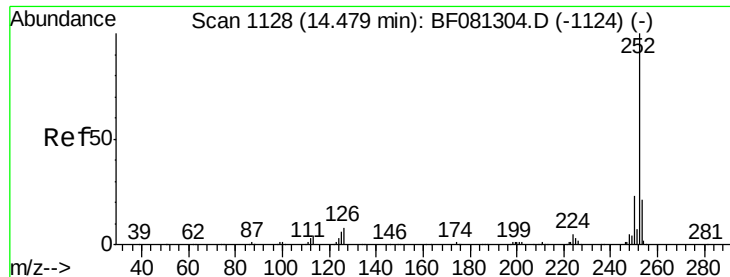
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion: 264 Resp: 81177
 Ion Ratio Lower Upper
 264 100
 260 23.4 16.7 25.1
 265 21.9 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: 19.87 ng

RT: 24.48 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

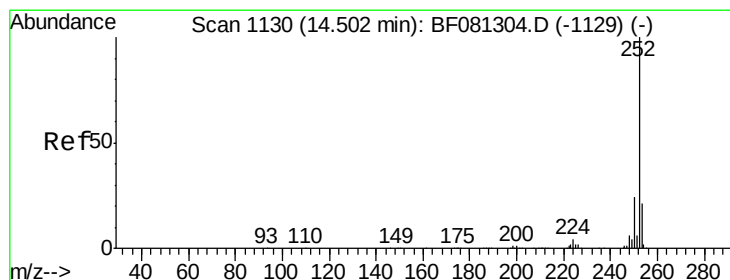
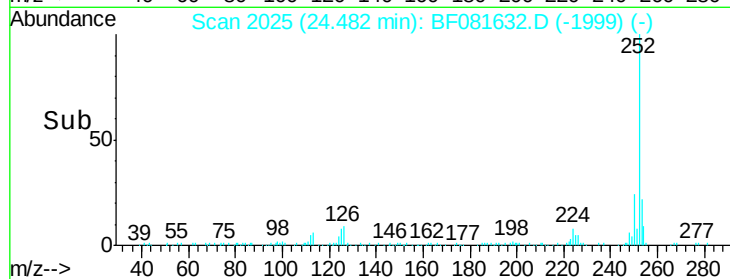
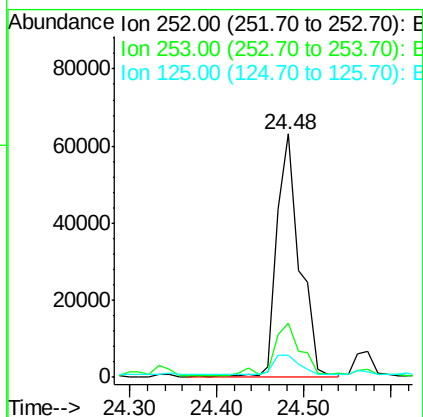
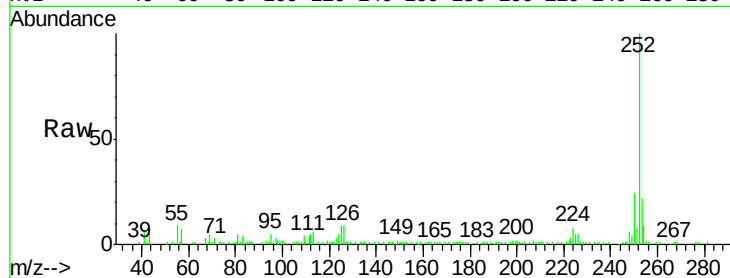
Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

Tgt Ion:	252	Resp:	115175
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.9	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 23.95 ng

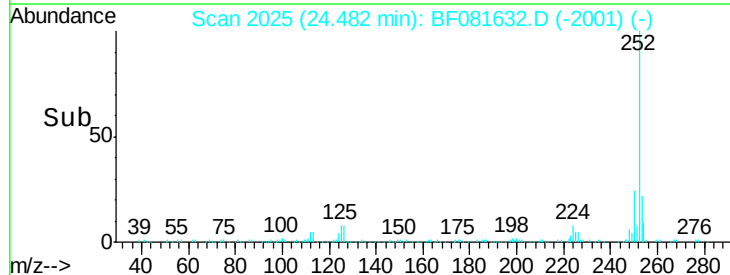
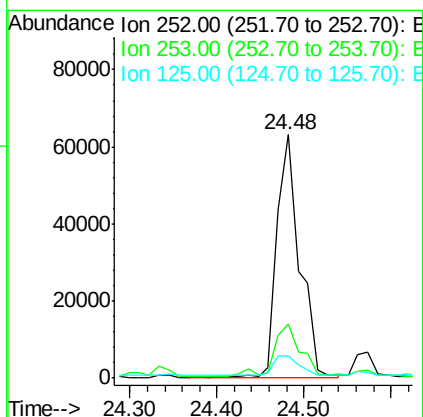
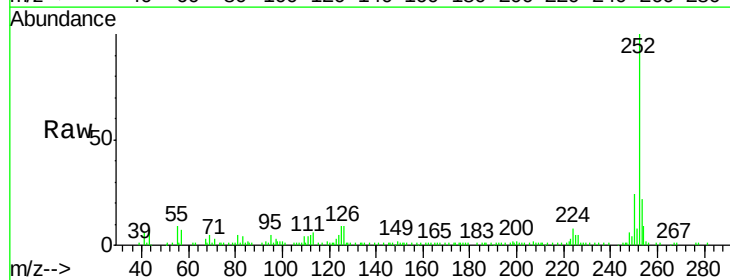
RT: 24.48 min Scan# 2025

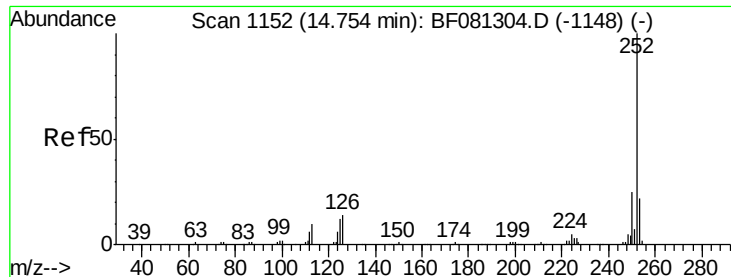
Delta R.T. -0.02 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion:	252	Resp:	115175
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	8.9	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 10.33 ng

RT: 24.77 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)

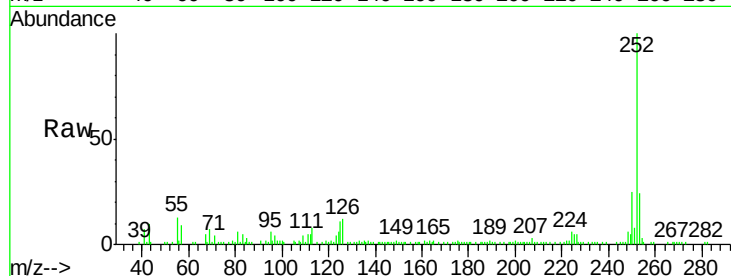
Tgt Ion:252 Resp: 50719

Ion Ratio Lower Upper

252 100

253 24.4 17.2 25.8

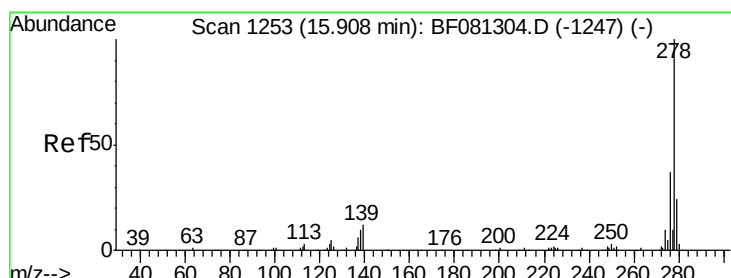
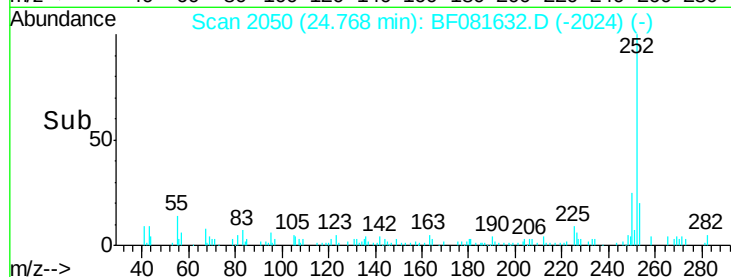
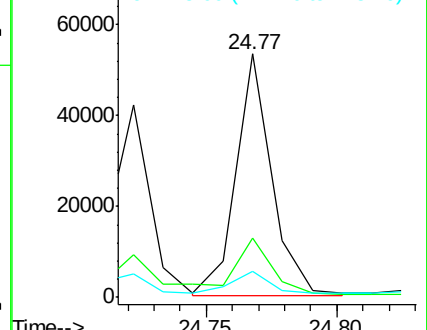
125 10.7 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.91 ng

RT: 25.88 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

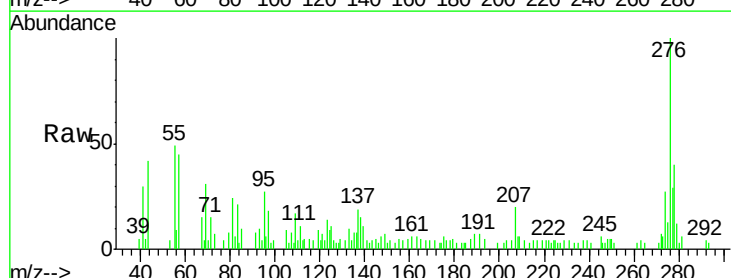
Tgt Ion:278 Resp: 11036

Ion Ratio Lower Upper

278 100

139 26.4 26.3 39.5

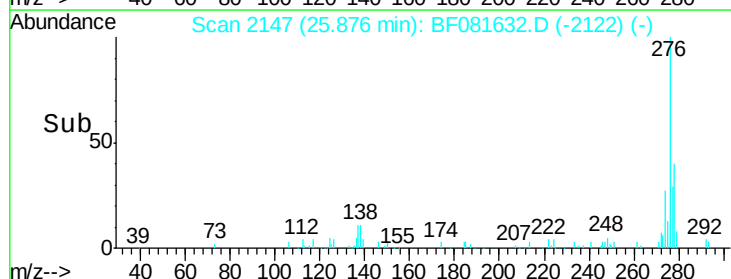
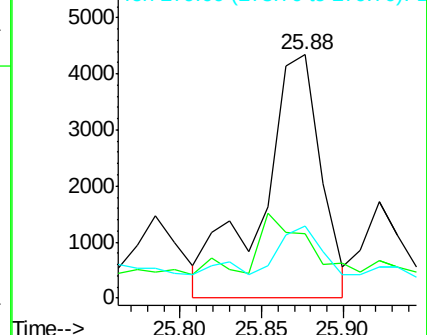
279 29.8 18.2 27.4#

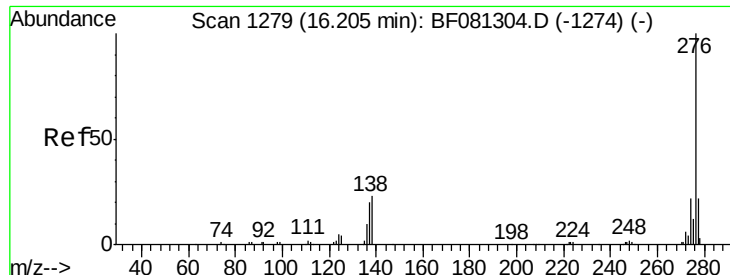


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.25 ng

RT: 26.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BF081632.D

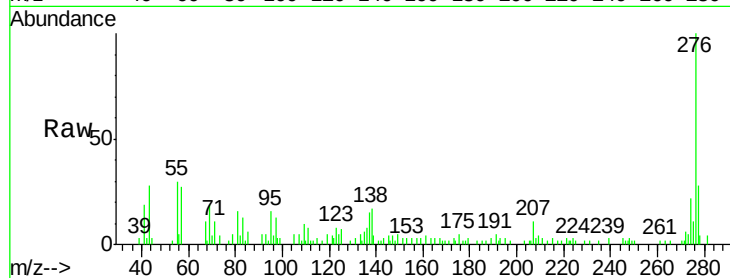
Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

GP-14(0-5)



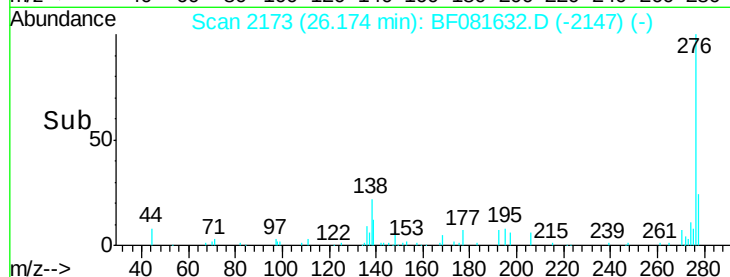
Tgt Ion: 276 Resp: 29879

Ion Ratio Lower Upper

276 100

277 27.6 17.8 26.6#

138 21.2 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

