

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081631.D
 Acq On : 15 Sep 2015 16:01
 Operator : UM/IZ
 Sample : G3597-13RE 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Quant Time: Sep 15 16:37:22 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

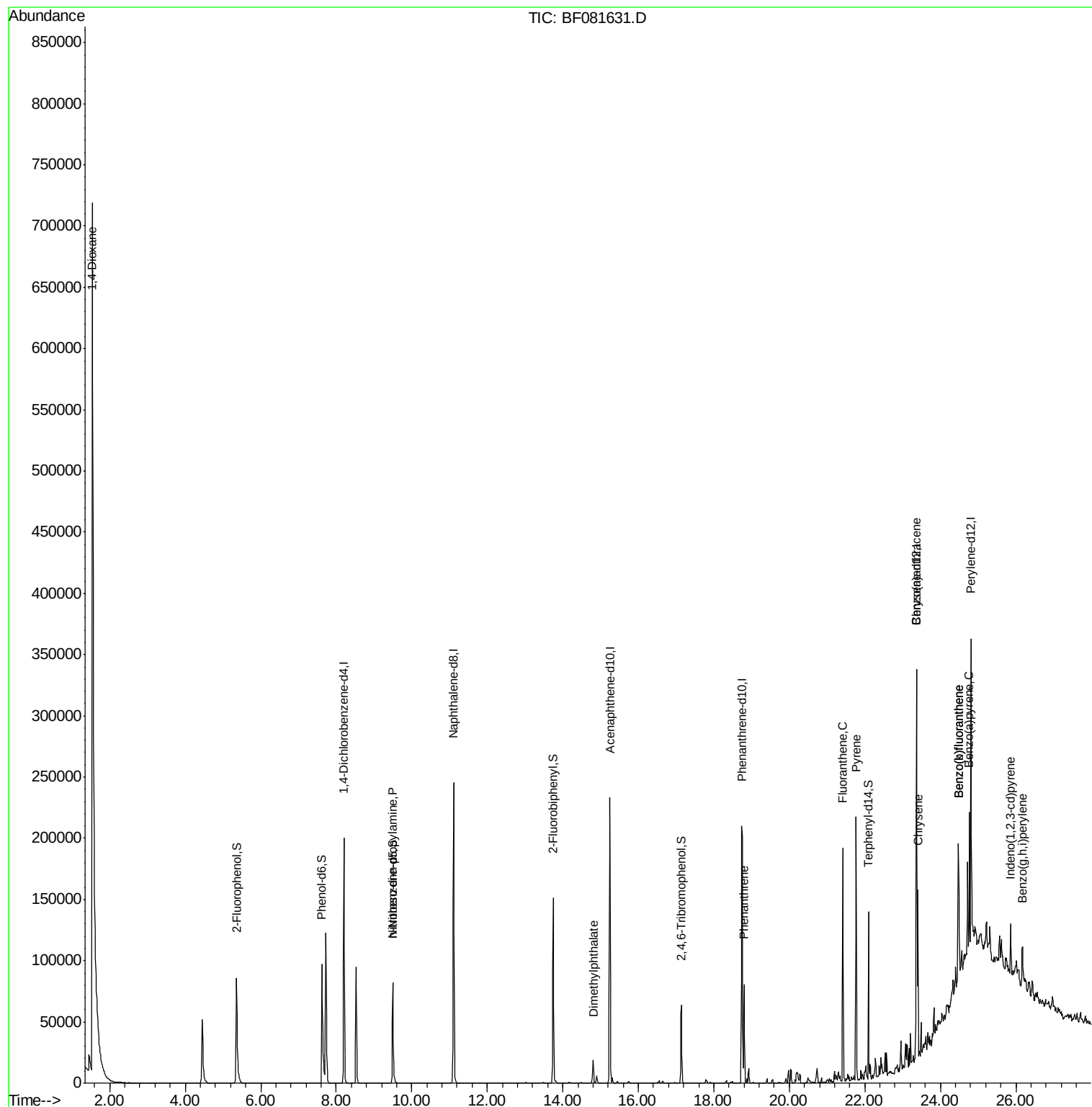
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	47309	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	185287	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	83378	20.00	ng	-0.01
63) Phenanthrene-d10	18.74	188	162435	20.00	ng	-0.01
75) Chrysene-d12	23.37	240	106321	20.00	ng	-0.01
86) Perylene-d12	24.81	264	89542	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	51945	17.04	ng	0.01
7) Phenol-d6	7.62	99	75695	18.75	ng	-0.02
23) Nitrobenzene-d5	9.50	82	47769	12.44	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	12488	16.82	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	84128	12.93	ng	-0.02
78) Terphenyl-d14	22.10	244	60336	13.21	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	45338	33.11	ng	# 11
19) n-Nitroso-di-n-propylamine	9.50	70	5928	2.16	ng	# 64
49) Dimethylphthalate	14.81	163	16621	2.57	ng	# 92
70) Phenanthrene	18.80	178	54526	6.04	ng	97
74) Fluoranthene	21.42	202	115760	11.84	ng	88
77) Pyrene	21.77	202	116270	14.76	ng	97
80) Benzo(a)anthracene	23.37	228	48473	7.16	ng	94
82) Chrysene	23.41	228	49876	8.22	ng	94
85) Indeno(1,2,3-cd)pyrene	25.86	276	24610	5.53	ng	# 81
87) Benzo(b)fluoranthene	24.48	252	78312	12.25	ng	# 86
88) Benzo(k)fluoranthene	24.48	252	78933	14.88	ng	# 86
89) Benzo(a)pyrene	24.77	252	44576	8.23	ng	# 85
91) Benzo(g,h,i)perylene	26.16	276	23369	5.85	ng	# 77

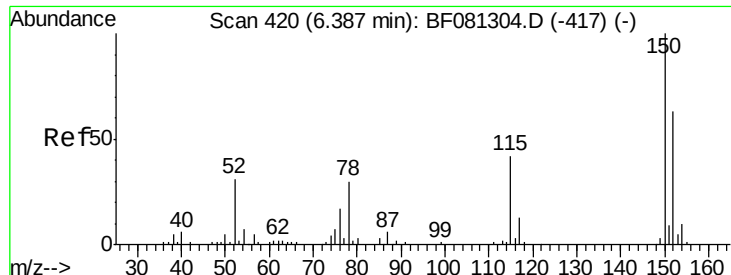
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

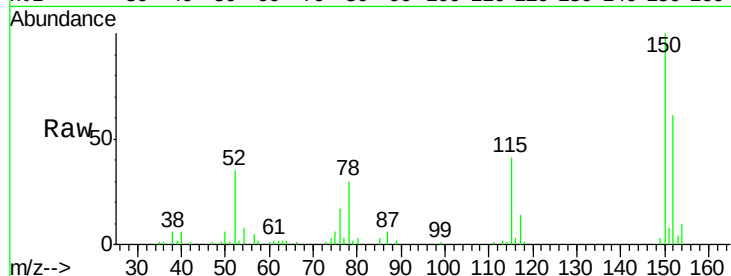
Tgt Ion:152 Resp: 47309

Ion Ratio Lower Upper

152 100

150 162.8 124.7 187.1

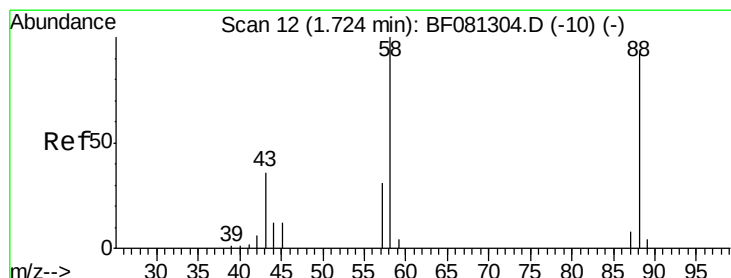
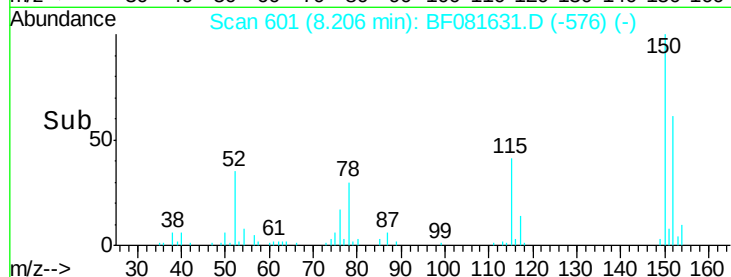
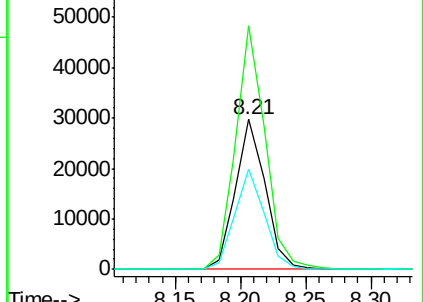
115 66.9 39.0 58.4#



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: 33.11 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

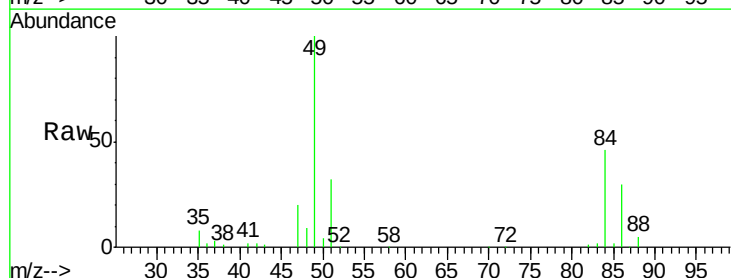
Tgt Ion: 88 Resp: 45338

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

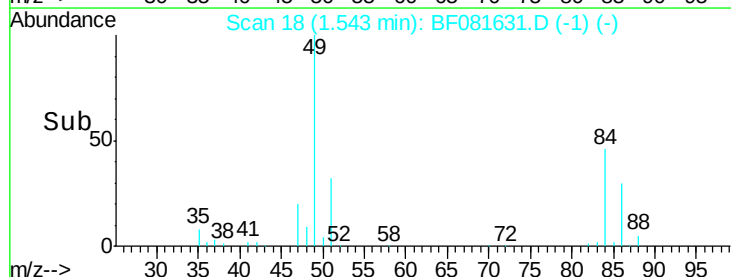
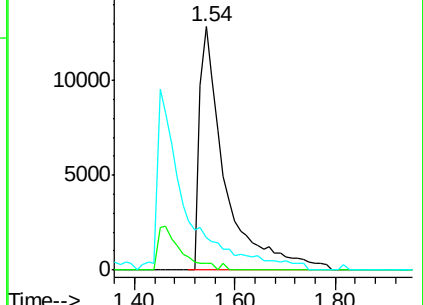
43 0.0 26.6 40.0#

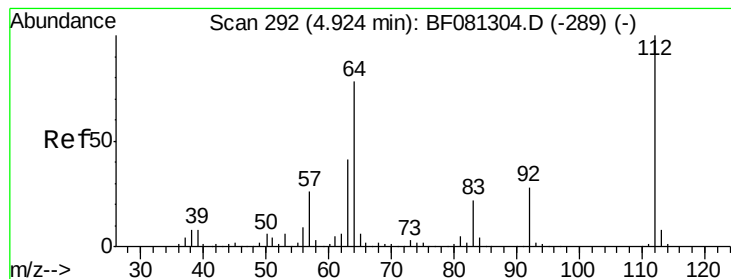


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 17.04 ng

RT: 5.36 min Scan# 352

Delta R.T. 0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampled :

GP-13(0-5)

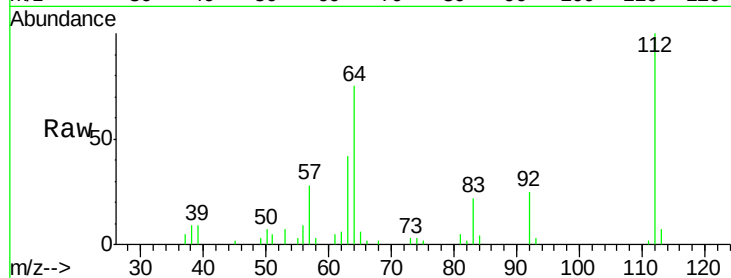
Tgt Ion: 112 Resp: 51945

Ion Ratio Lower Upper

112 100

64 75.2 39.7 59.5#

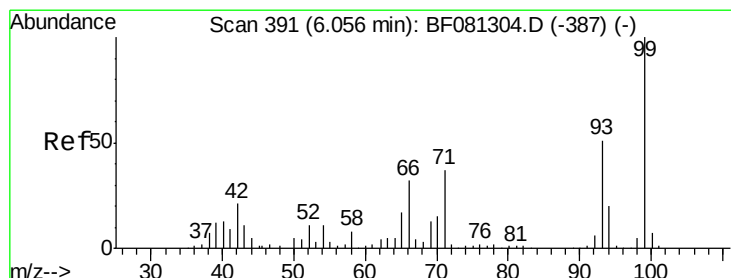
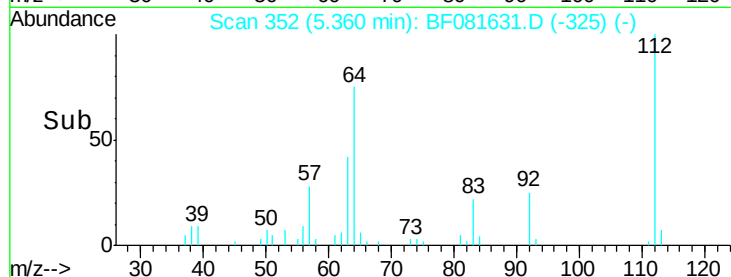
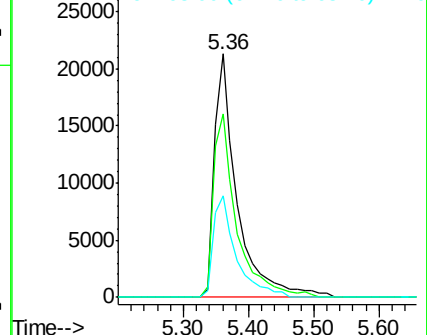
63 41.8 17.4 26.0#



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: 18.75 ng

RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

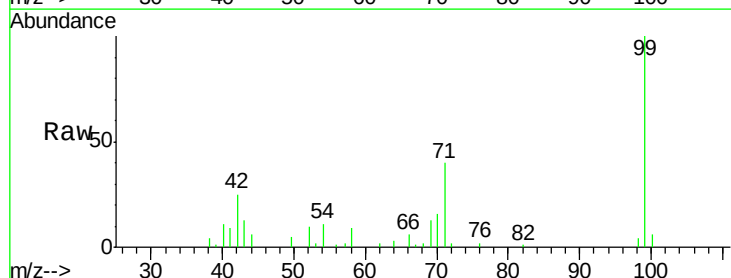
Tgt Ion: 99 Resp: 75695

Ion Ratio Lower Upper

99 100

42 25.1 13.7 20.5#

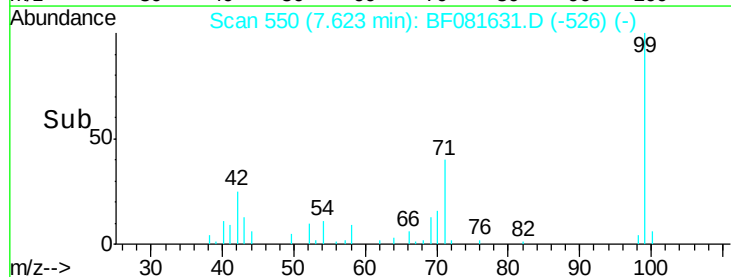
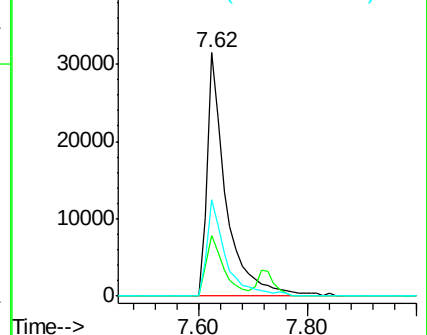
71 39.7 14.2 21.2#

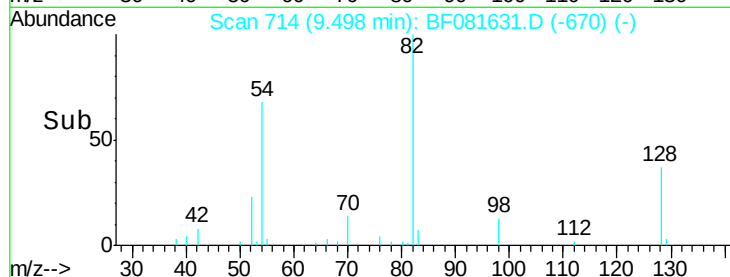
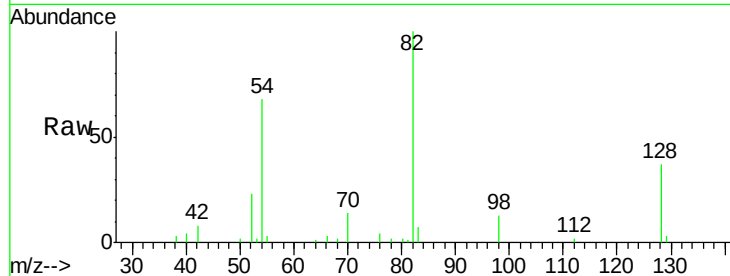
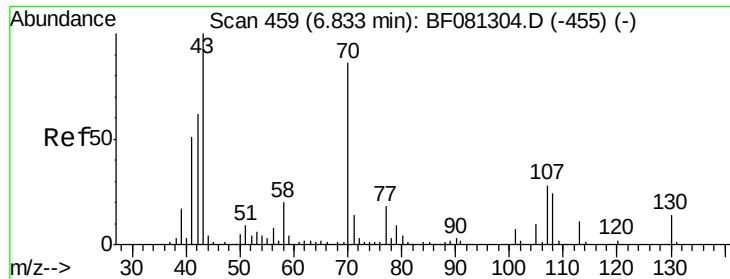


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

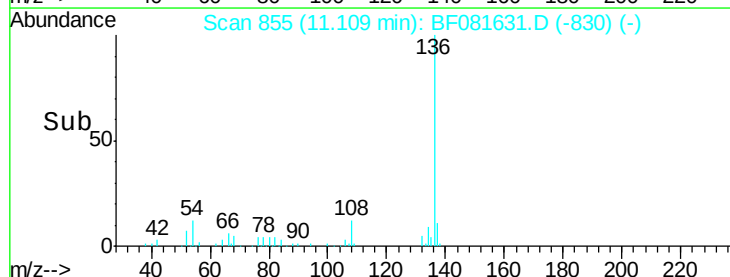
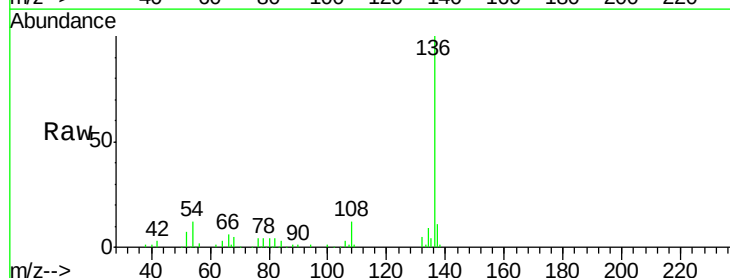
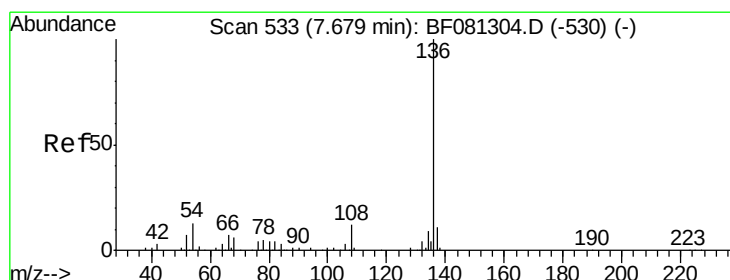
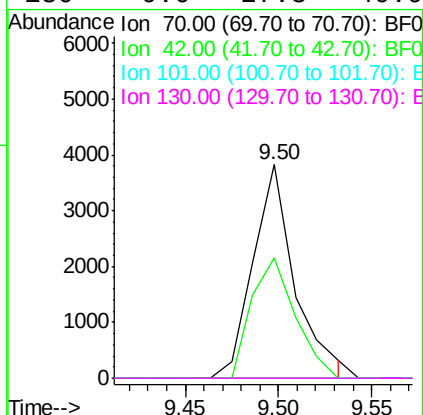




#19
n-Nitroso-di-n-propylamine
Concen: 2.16 ng
RT: 9.50 min Scan# 714
Delta R.T. 0.21 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

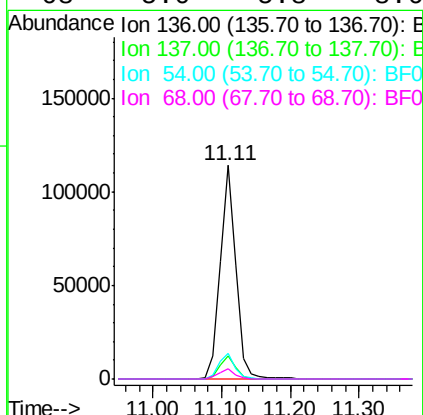
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

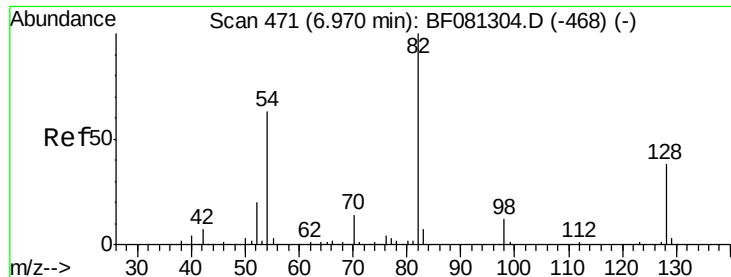
Tgt Ion:	70	Resp:	5928
Ion Ratio	Lower	Upper	
70	100		
42	56.2	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion:	136	Resp:	185287
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	11.9	8.2	12.2
68	5.0	5.8	8.6#

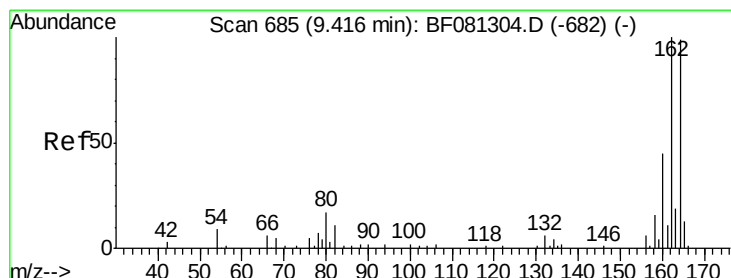
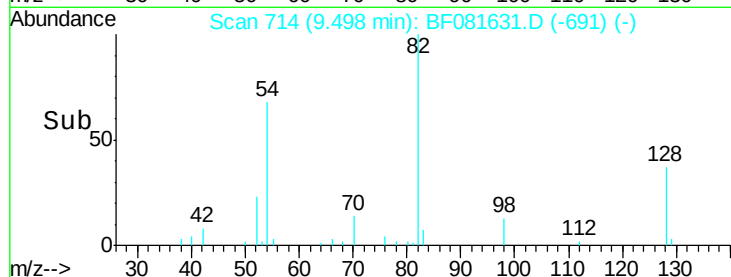
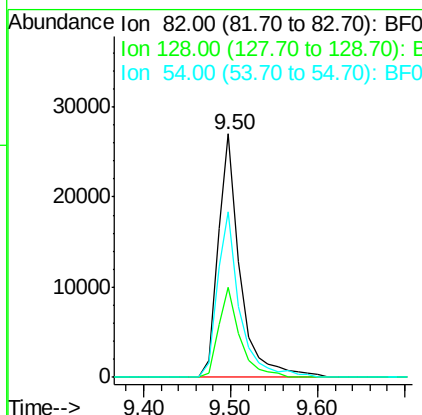
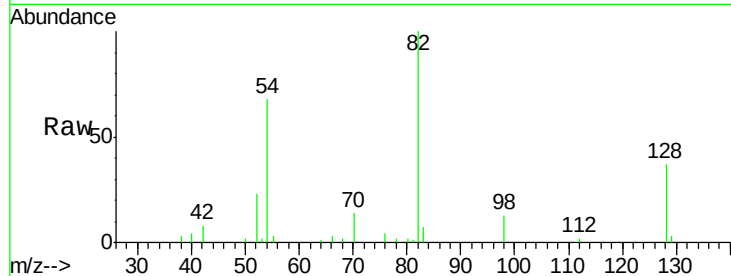




#23
 Nitrobenzene-d5
 Concen: 12.44 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

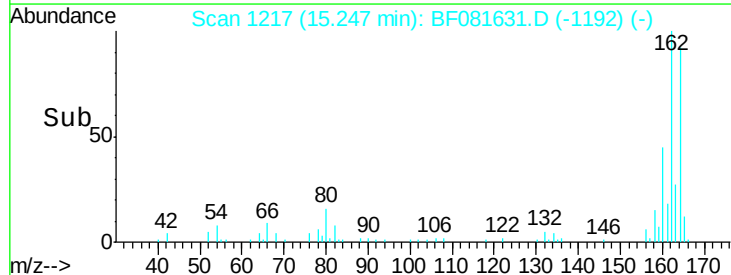
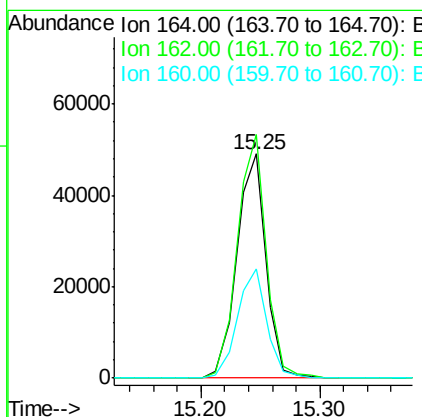
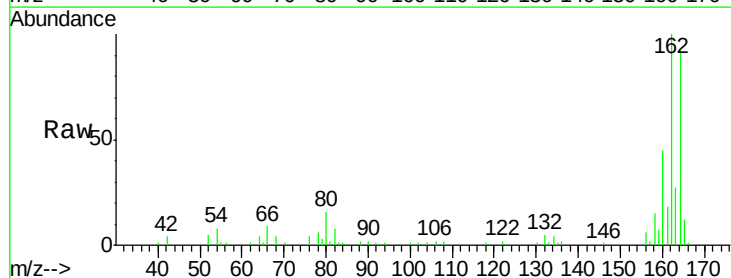
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

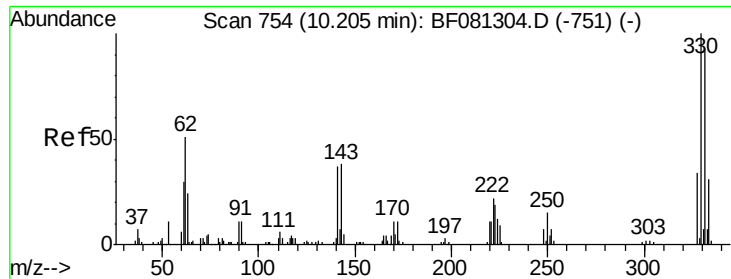
Tgt Ion: 82 Resp: 47769
 Ion Ratio Lower Upper
 82 100
 128 37.2 51.0 76.6#
 54 67.9 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion: 164 Resp: 83378
 Ion Ratio Lower Upper
 164 100
 162 108.7 75.2 112.8
 160 48.9 31.5 47.3#

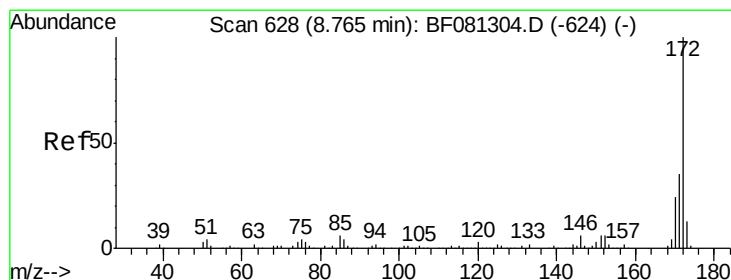
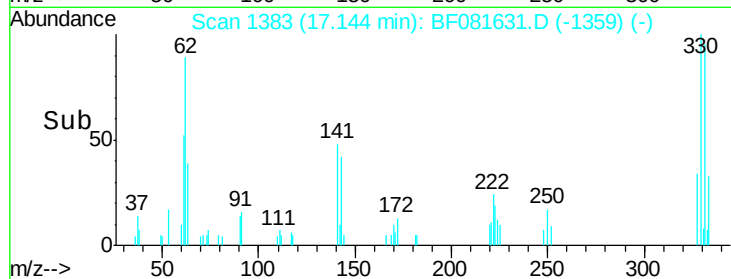
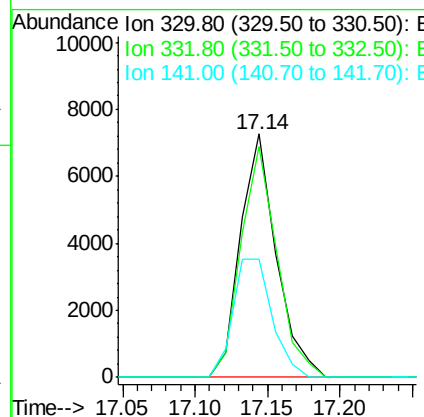
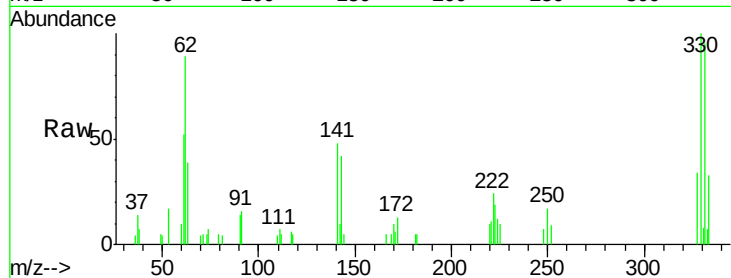




#41
 2,4,6-Tribromophenol
 Concen: 16.82 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

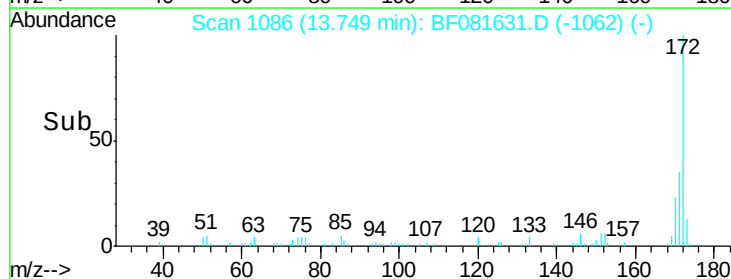
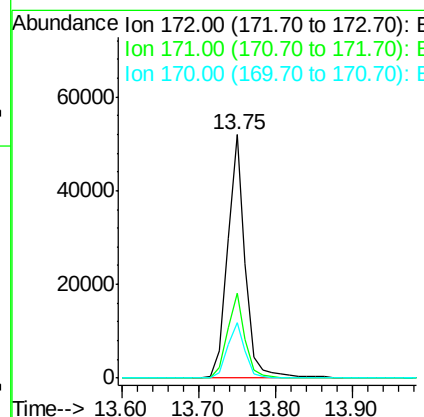
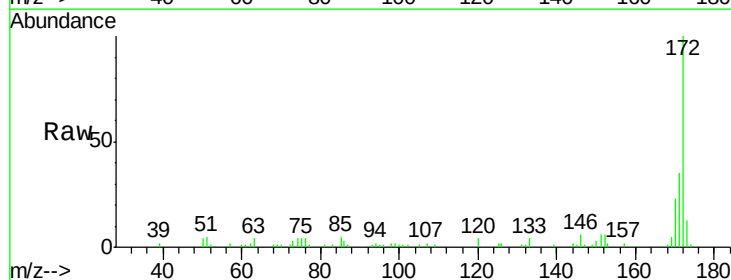
Instrument :
 BNA_F
 ClientSampled :
 GP-13(0-5)

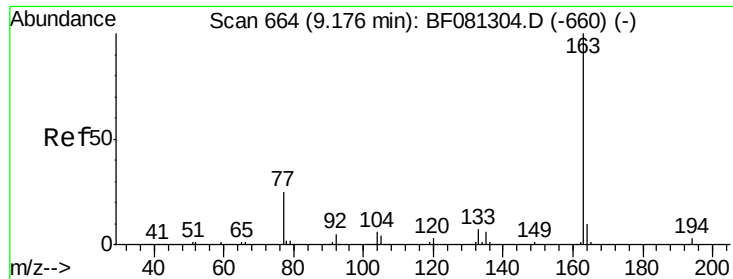
Tgt Ion:330 Resp: 12488
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 53.3 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 12.93 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion:172 Resp: 84128
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 23.0 17.4 26.2





#49

Dimethylphthalate

Concen: 2.57 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

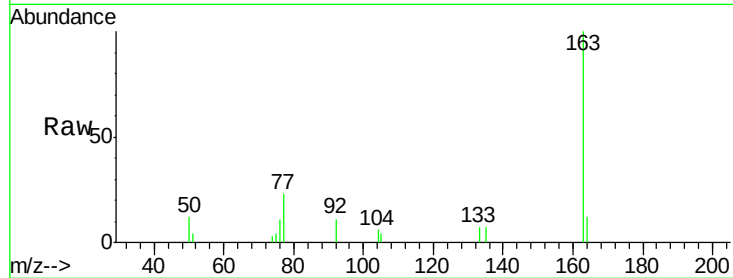
Tgt Ion:163 Resp: 16621

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

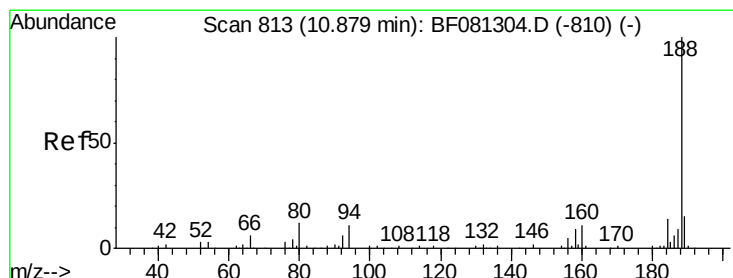
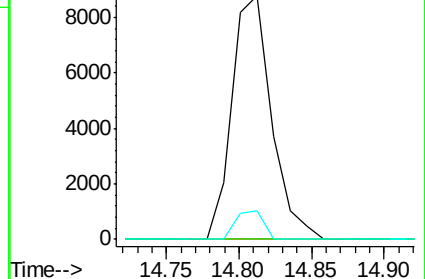
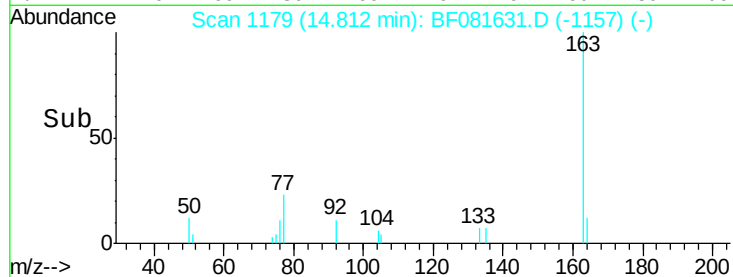
164 11.5 8.3 12.5



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: 18.74 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

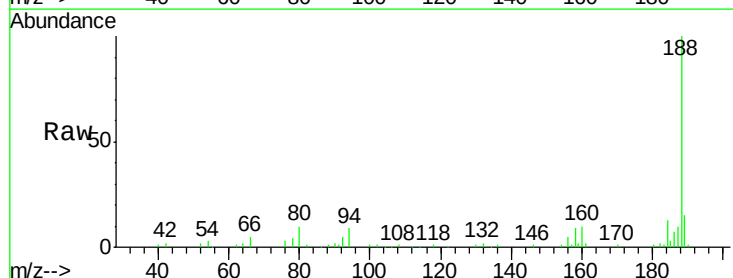
Tgt Ion:188 Resp: 162435

Ion Ratio Lower Upper

188 100

94 8.9 11.1 16.7#

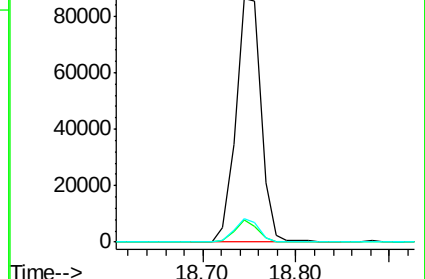
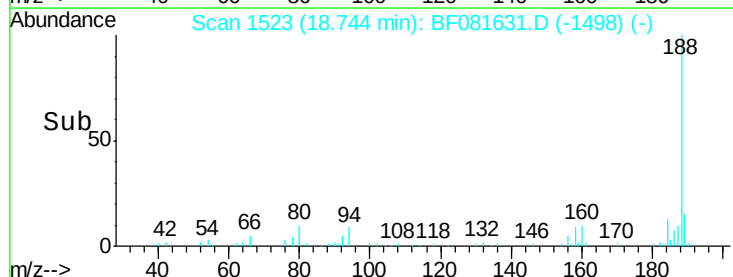
80 9.7 11.0 16.4#

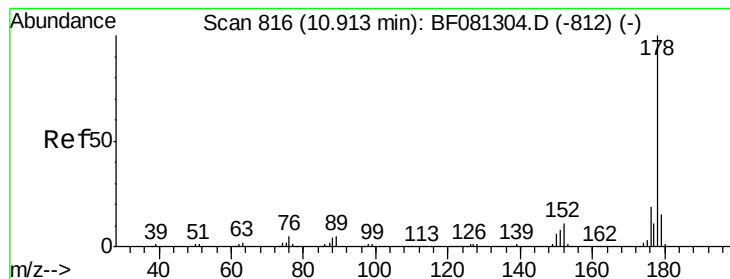


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.04 ng

RT: 18.80 min Scan# 1528

Delta R.T. -0.02 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

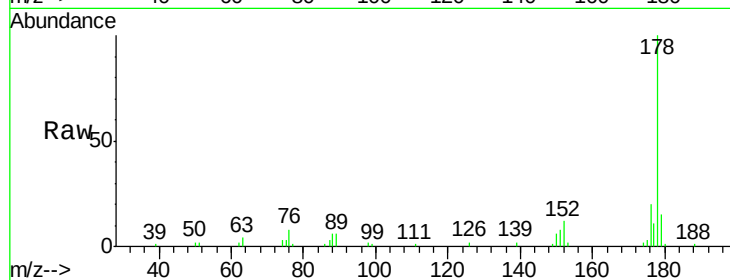
Tgt Ion:178 Resp: 54526

Ion Ratio Lower Upper

178 100

176 20.0 13.8 20.8

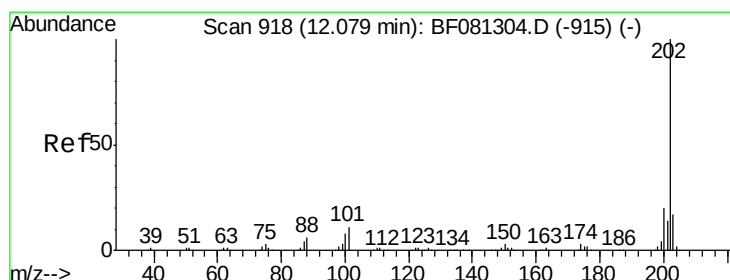
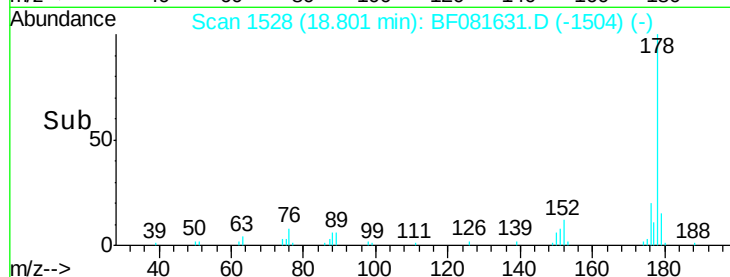
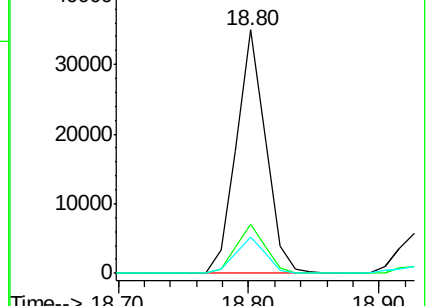
179 15.1 12.2 18.2



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: 11.84 ng

RT: 21.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

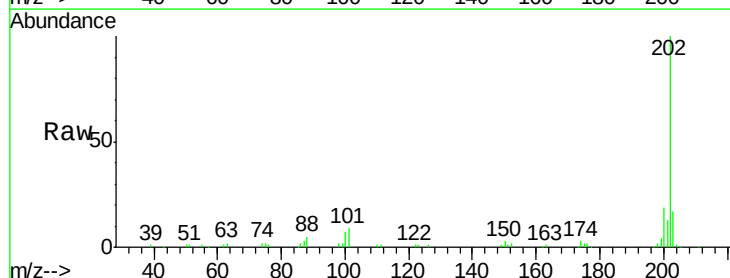
Tgt Ion:202 Resp: 115760

Ion Ratio Lower Upper

202 100

101 8.6 0.0 38.3

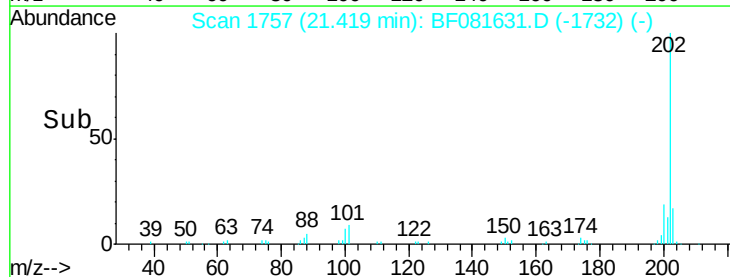
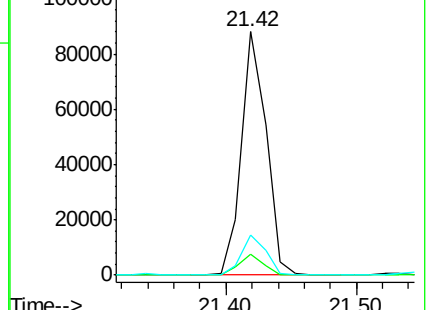
203 16.7 0.0 37.3

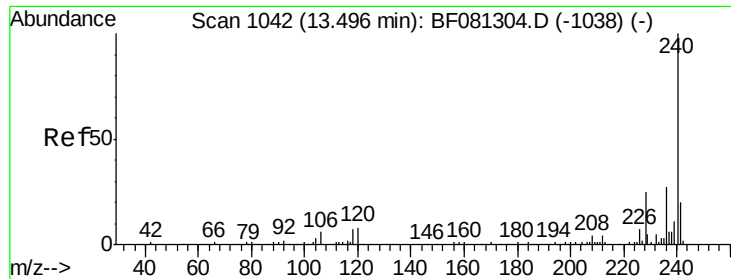


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.37 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

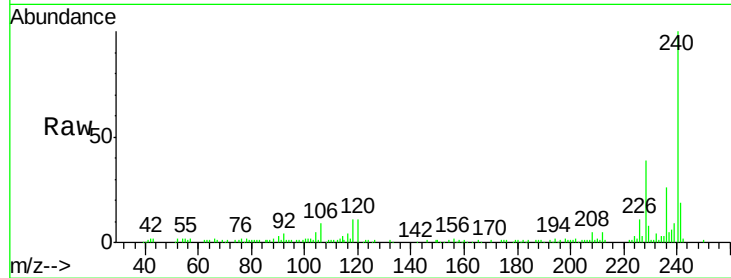
Tgt Ion:240 Resp: 106321

Ion Ratio Lower Upper

240 100

120 11.4 16.2 24.2#

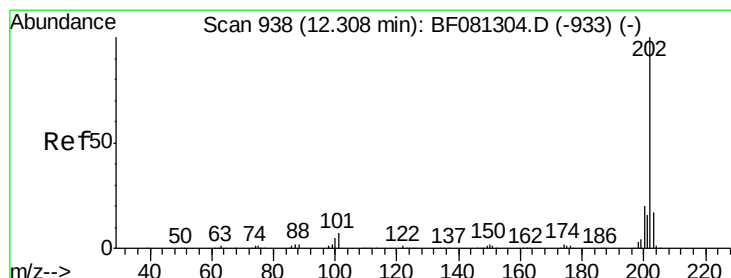
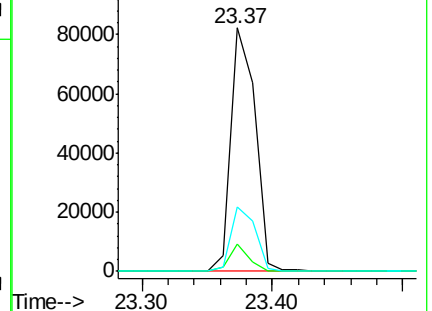
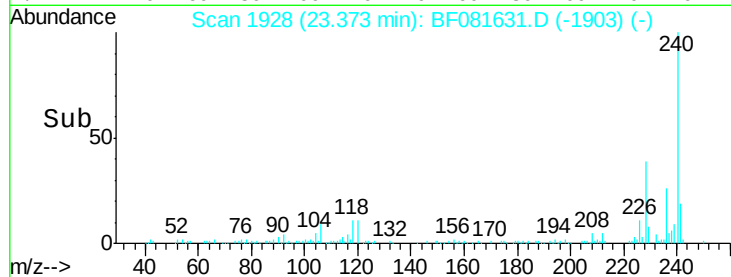
236 26.5 18.4 27.6



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: 14.76 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

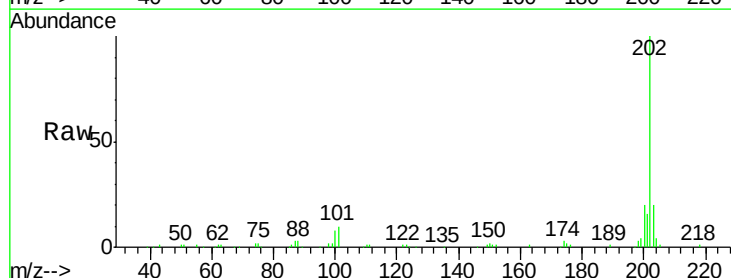
Tgt Ion:202 Resp: 116270

Ion Ratio Lower Upper

202 100

200 19.6 15.0 22.4

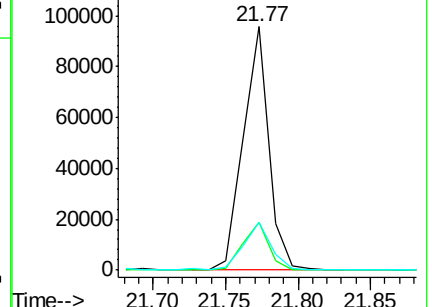
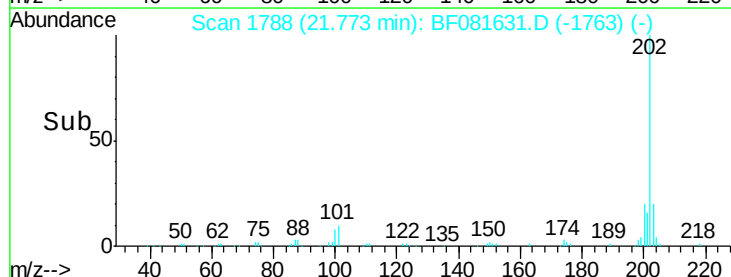
203 19.7 14.1 21.1

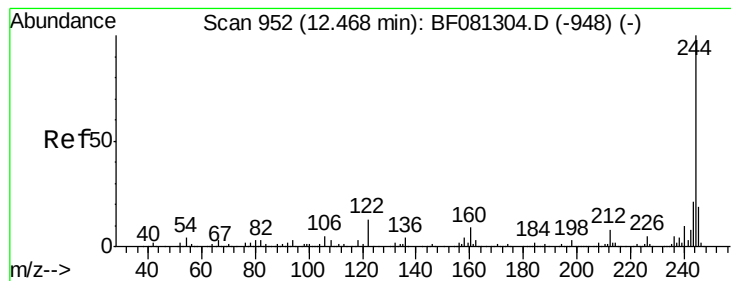


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.21 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

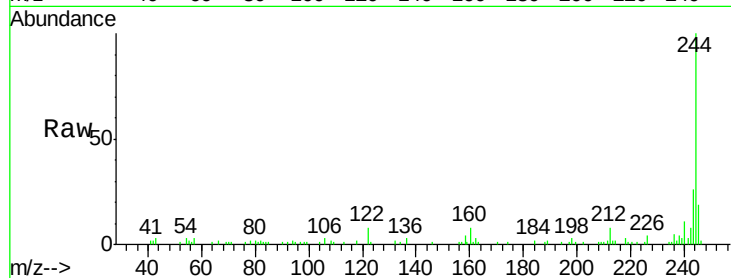
Tgt Ion:244 Resp: 60336

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

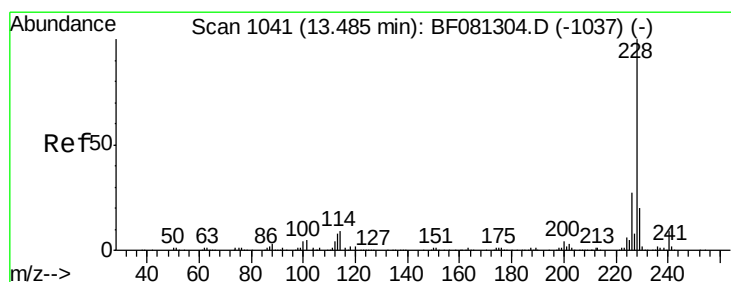
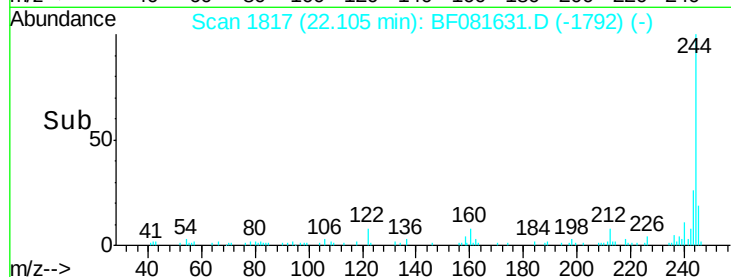
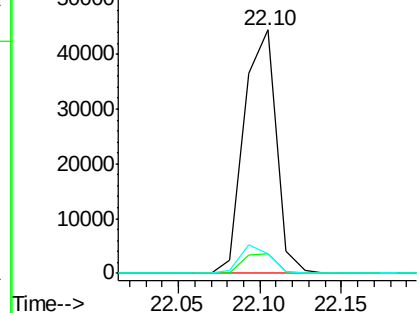
122 7.8 17.4 26.2#



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: 7.16 ng

RT: 23.37 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

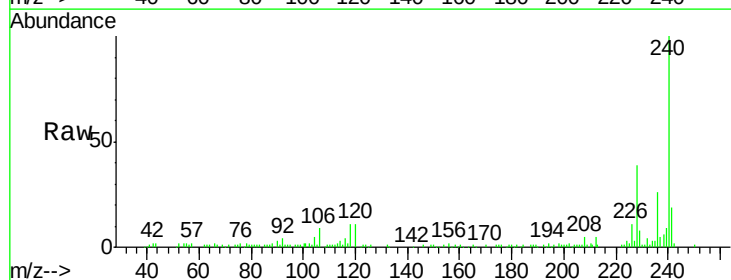
Tgt Ion:228 Resp: 48473

Ion Ratio Lower Upper

228 100

226 29.3 20.0 30.0

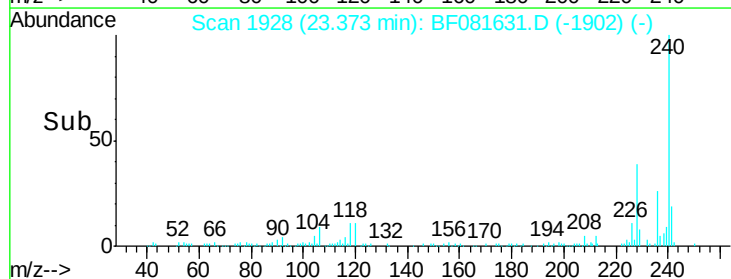
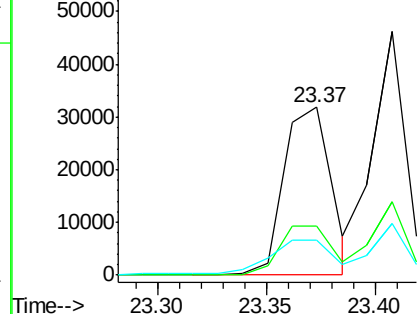
229 20.8 15.4 23.2

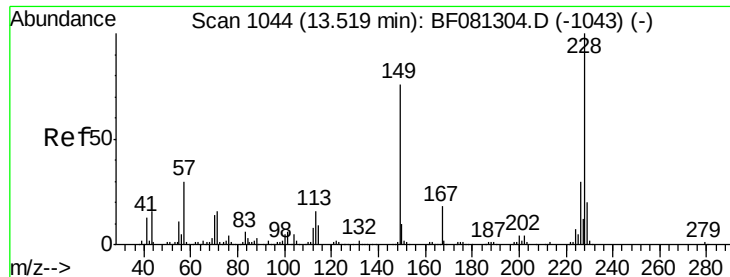


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

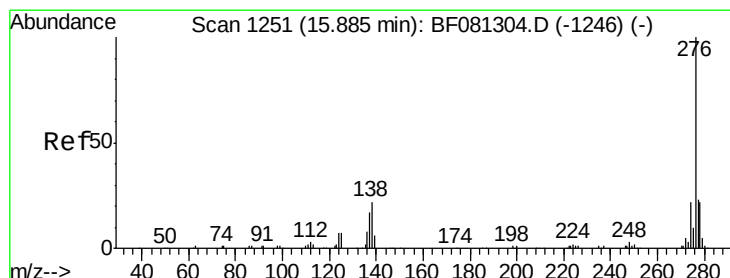
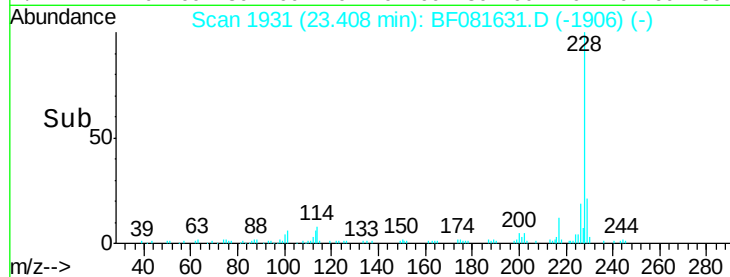
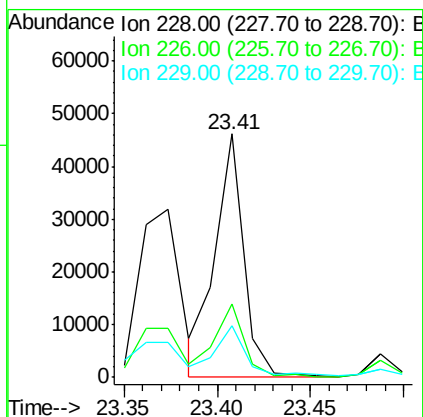
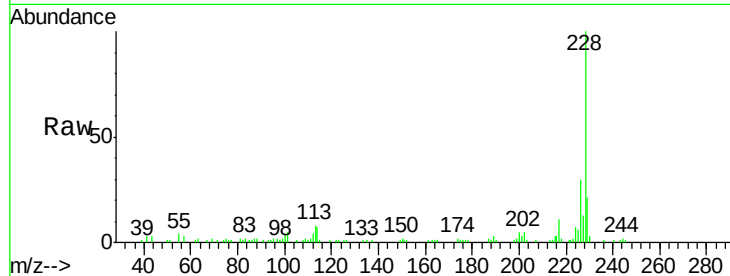




#82
Chrysene
 Concen: 8.22 ng
 RT: 23.41 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

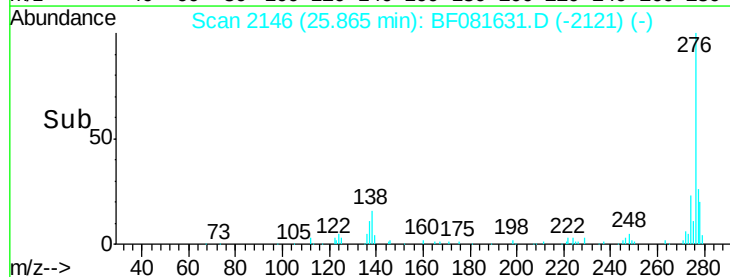
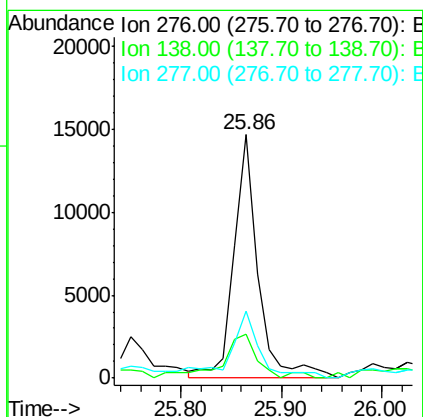
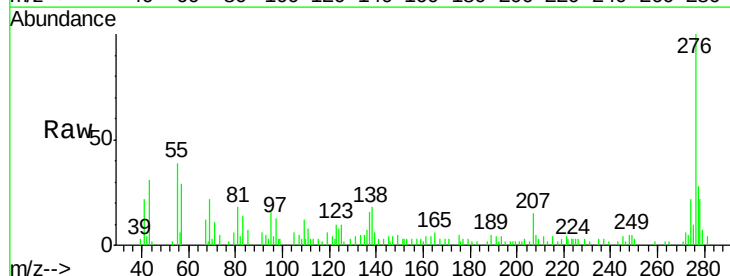
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

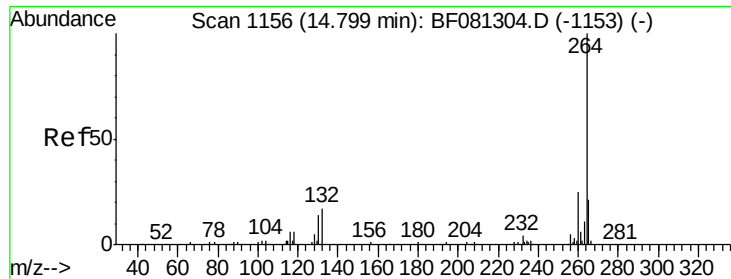
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.0	31.4
229	21.2	15.6	23.4



#85
Indeno(1,2,3-cd)pyrene
 Concen: 5.53 ng
 RT: 25.86 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.7	38.5
277	34.4	15.6	23.4#

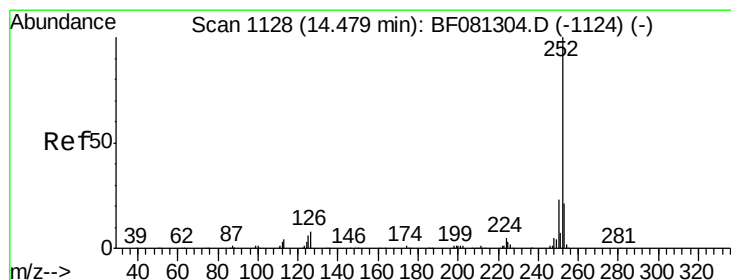
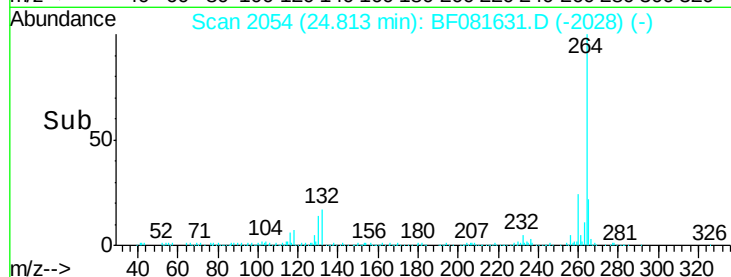
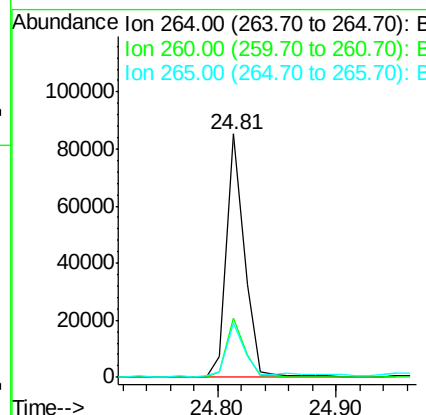
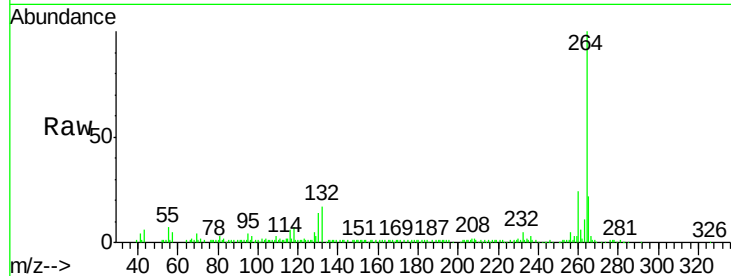




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

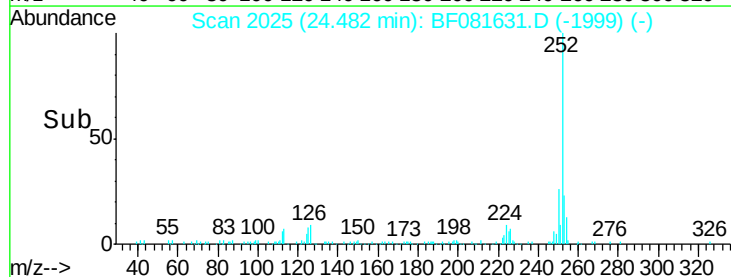
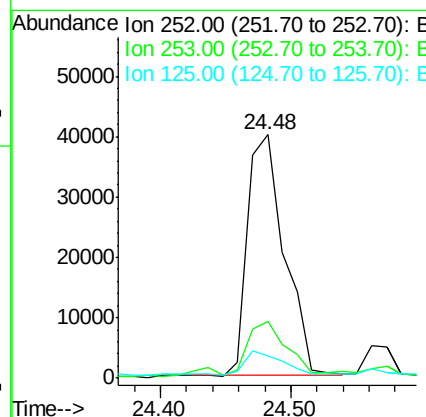
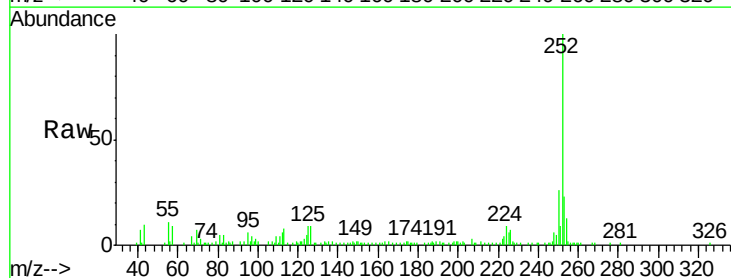
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

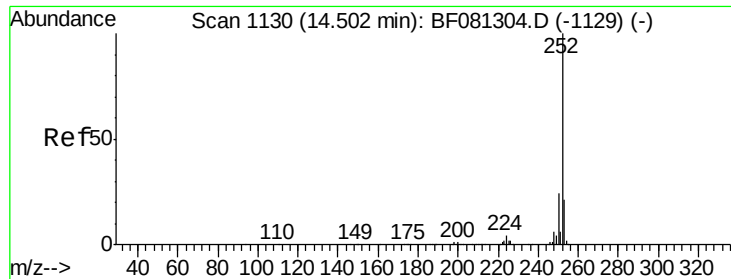
Tgt Ion:264 Resp: 89542
Ion Ratio Lower Upper
264 100
260 24.2 16.7 25.1
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.25 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion:252 Resp: 78312
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.2 17.1 25.7#

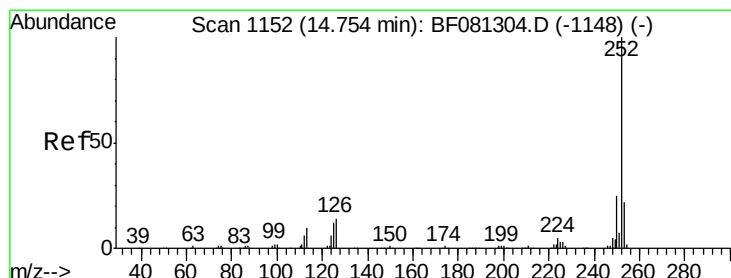
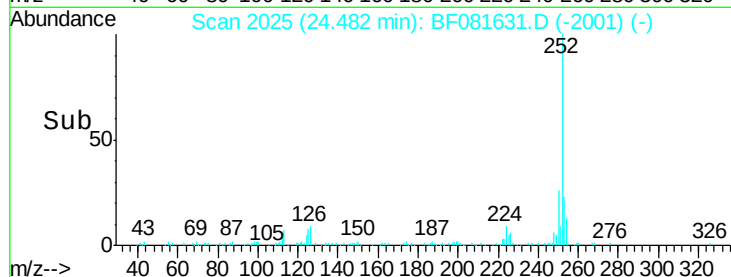
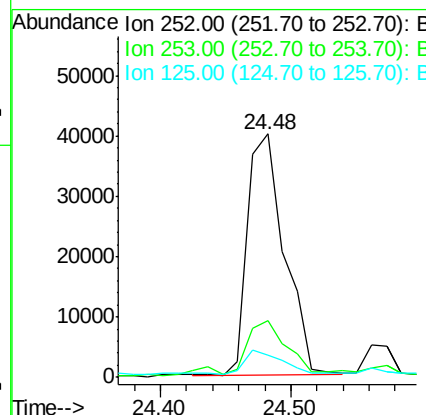
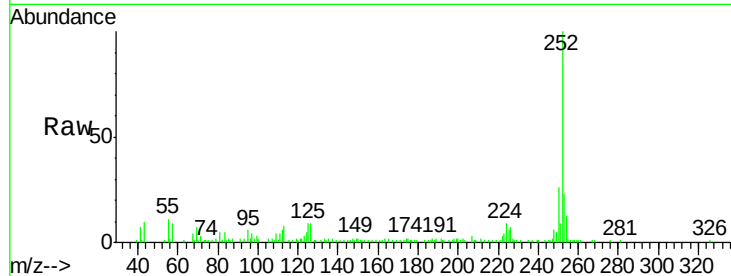




#88
Benzo(k)fluoranthene
Concen: 14.88 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

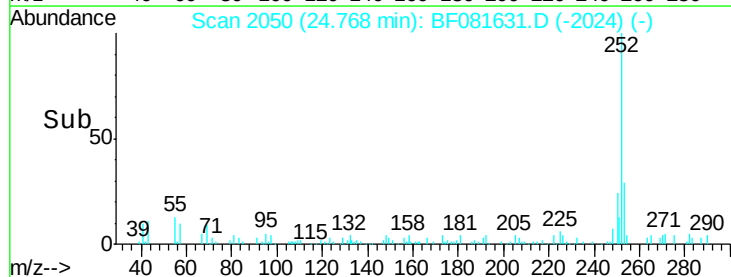
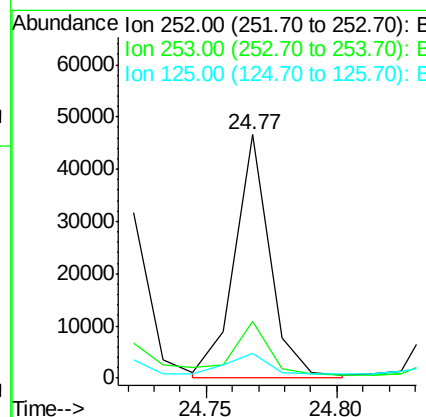
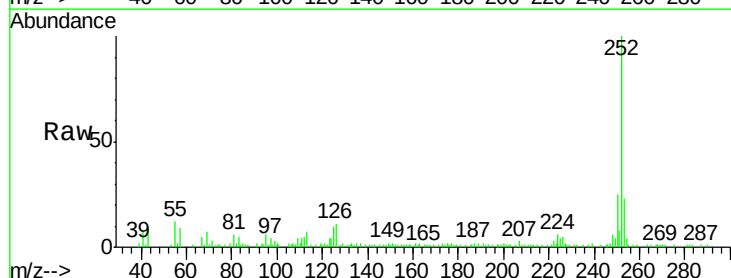
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

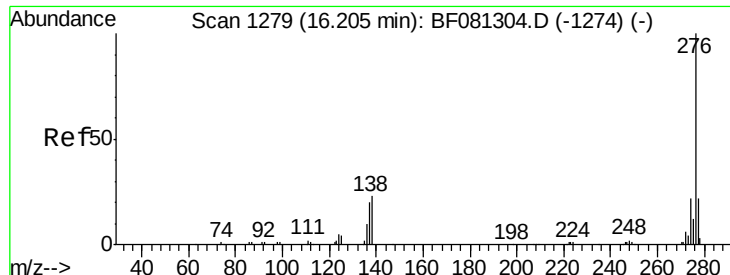
Tgt Ion:252 Resp: 78933
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 9.2 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 8.23 ng
RT: 24.77 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion:252 Resp: 44576
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 10.0 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 5.85 ng

RT: 26.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF081631.D

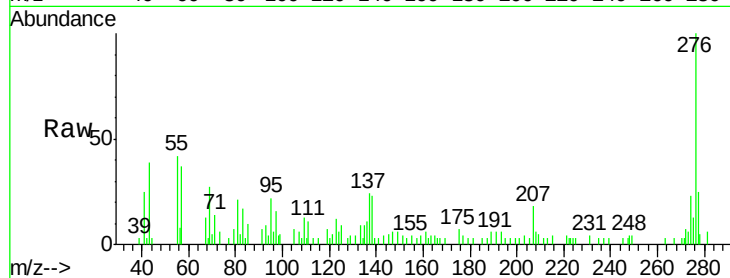
Acq: 15 Sep 2015 16:01

Instrument :

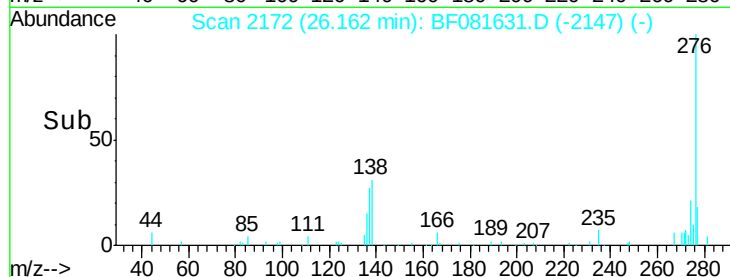
BNA_F

ClientSampleId :

GP-13(0-5)



Tgt Ion:	276	Resp:	23369
Ion Ratio	Lower	Upper	
276	100		
277	25.2	17.8	26.6
138	23.0	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

