

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081608.D
 Acq On : 14 Sep 2015 15:10
 Operator : UM/IZ
 Sample : G3597-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2(0-5)

Quant Time: Sep 15 01:30:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 14 13:51:56 2015
 Response via : Initial Calibration

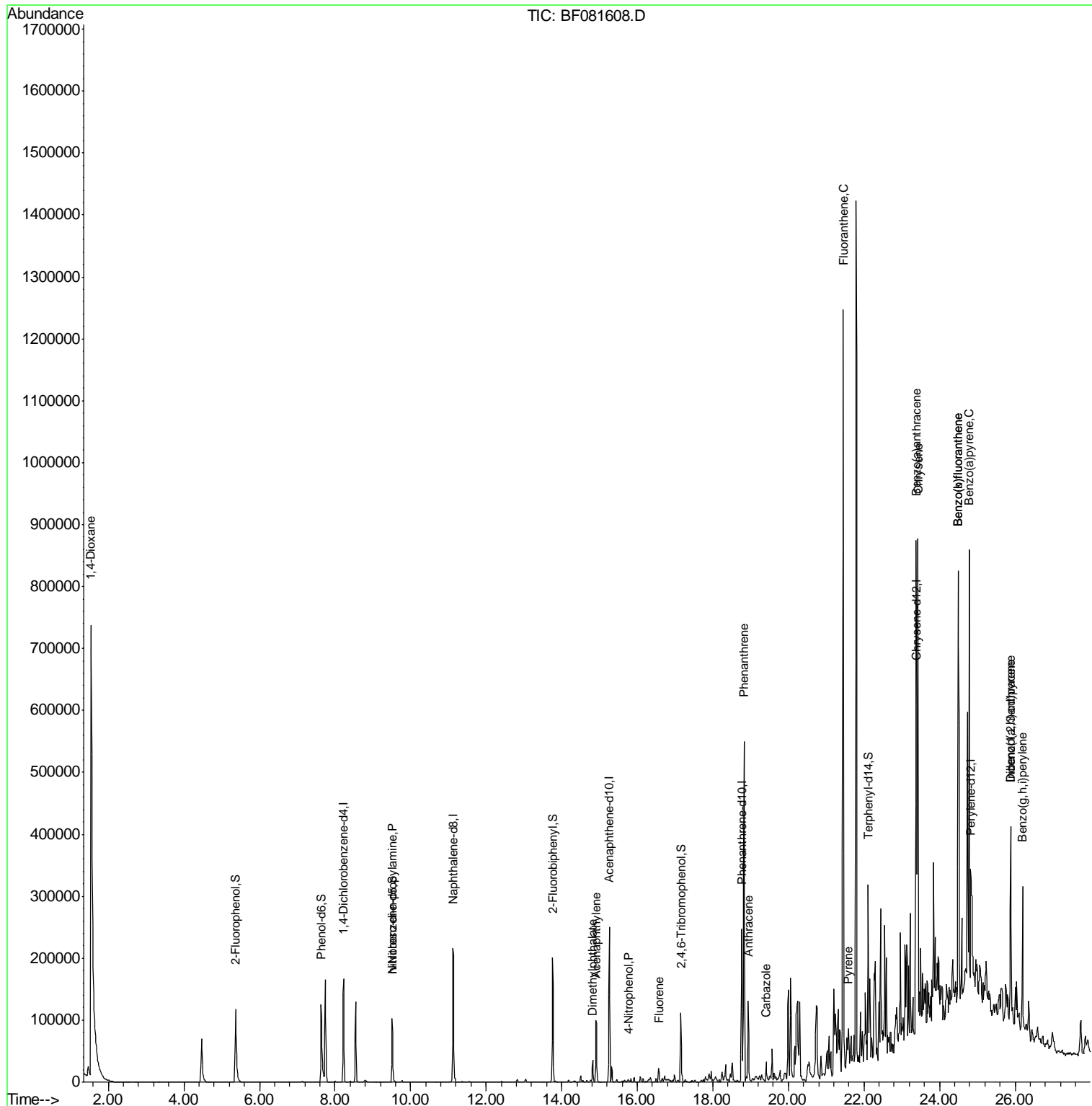
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	43986	20.00	ng	0.00
21) Naphthalene-d8	11.12	136	176889	20.00	ng	-0.01
38) Acenaphthene-d10	15.26	164	85101	20.00	ng	-0.01
63) Phenanthrene-d10	18.77	188	167772	20.00	ng	0.00
75) Chrysene-d12	23.40	240	107816	20.00	ng	0.00
86) Perylene-d12	24.84	264	96721	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	63645	22.45	ng	0.00
7) Phenol-d6	7.63	99	93692	24.97	ng	-0.02
23) Nitrobenzene-d5	9.51	82	60717	16.56	ng	-0.03
41) 2,4,6-Tribromophenol	17.16	330	18313	24.17	ng	-0.02
44) 2-Fluorobiphenyl	13.76	172	110107	16.58	ng	-0.02
78) Terphenyl-d14	22.12	244	88686	19.15	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.54	88	46553	36.56	ng	# 11
19) n-Nitroso-di-n-propylamine	9.51	70	7473	2.93	ng	# 75
48) Acenaphthylene	14.92	152	88154	8.79	ng	98
49) Dimethylphthalate	14.82	163	25688	3.89	ng	# 96
55) 4-Nitrophenol	15.76	139	2275	2.12	ng	# 25
57) Fluorene	16.57	166	13859	2.19	ng	91
70) Phenanthrene	18.82	178	367285	39.38	ng	98
71) Anthracene	18.94	178	84583	8.83	ng	99
72) Carbazole	19.42	167	23210	2.58	ng	93
74) Fluoranthene	21.45	202	773380	76.59	ng	89
77) Pyrene	21.59	202	34424	4.31	ng	95
80) Benzo(a)anthracene	23.38	228	394017	57.39	ng	95
82) Chrysene	23.43	228	346397	56.28	ng	94
85) Indeno(1,2,3-cd)pyrene	25.89	276	161473	35.76	ng	# 79
87) Benzo(b)fluoranthene	24.49	252	501865	72.68	ng	# 87
88) Benzo(k)fluoranthene	24.49	252	501865	87.59	ng	# 88
89) Benzo(a)pyrene	24.79	252	336231	57.46	ng	# 81
90) Dibenzo(a,h)anthracene	25.89	278	56021	12.39	ng	# 78
91) Benzo(g,h,i)perylene	26.20	276	148468	34.40	ng	# 72

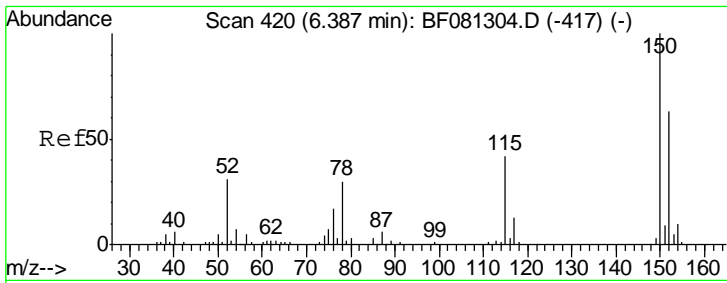
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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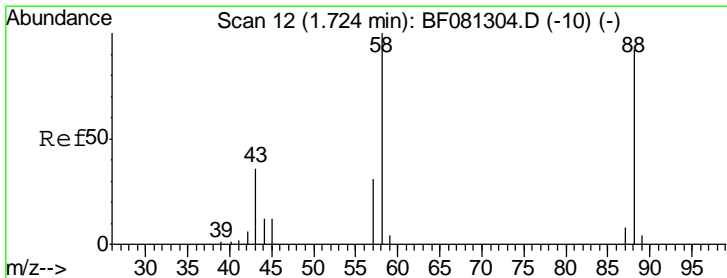
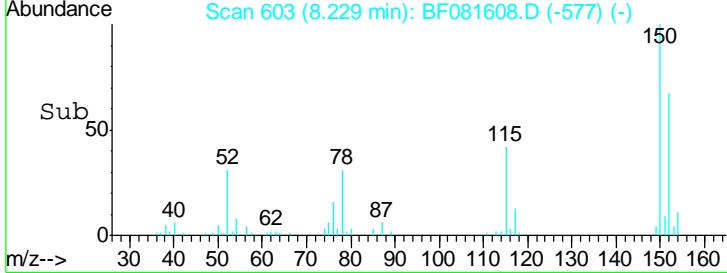
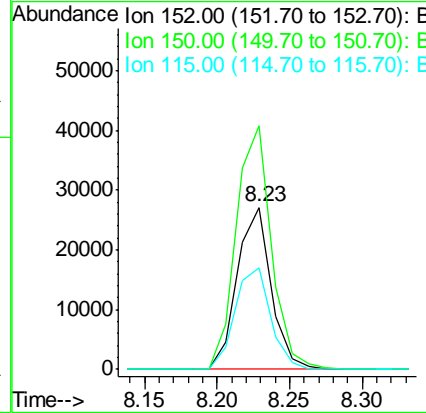
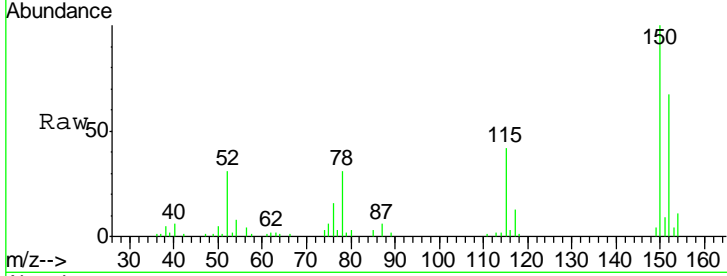




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.23 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

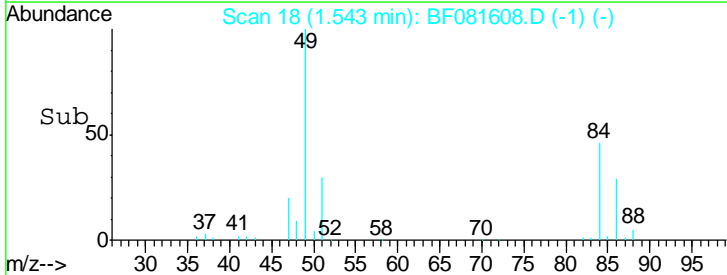
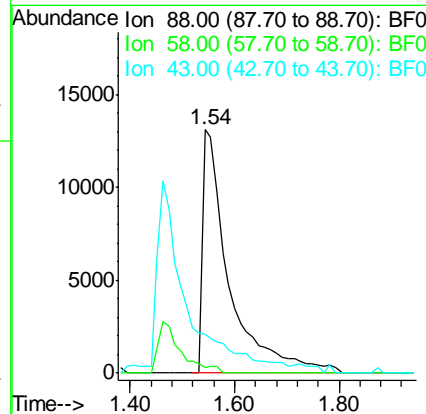
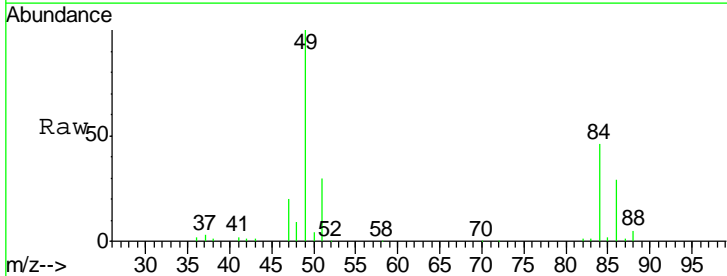
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

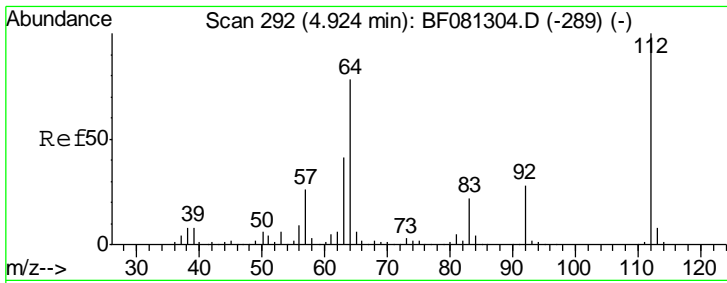
Tgt Ion	Resp	Lower	Upper
152	43986		
152	100		
150	150.0	124.7	187.1
115	62.5	39.0	58.4



#2
 1,4-Dioxane
 Concen: 36.56 ng
 RT: 1.54 min Scan# 18
 Delta R.T. -0.02 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
88	46553		
88	100		
58	0.0	77.7	116.5#
43	0.0	26.6	40.0#

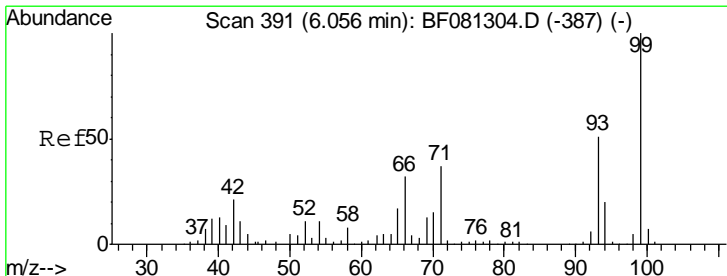
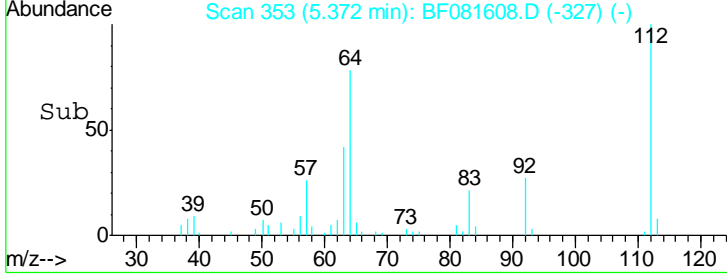
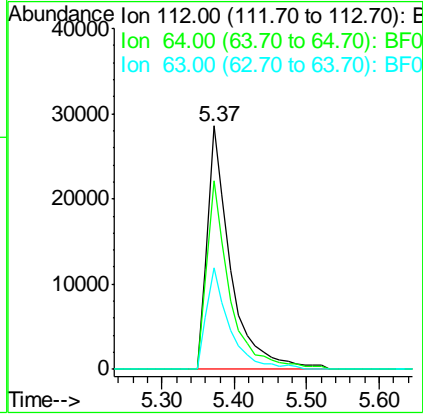
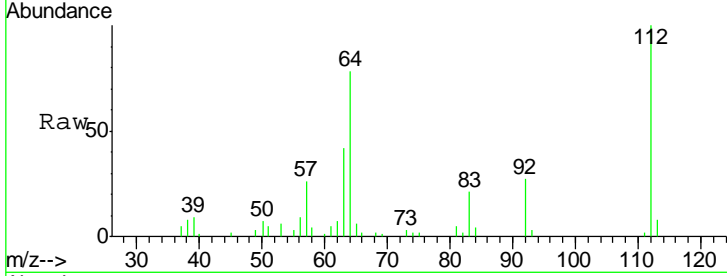




#5
 2-Fluorophenol
 Concen: 22.45 ng
 RT: 5.37 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

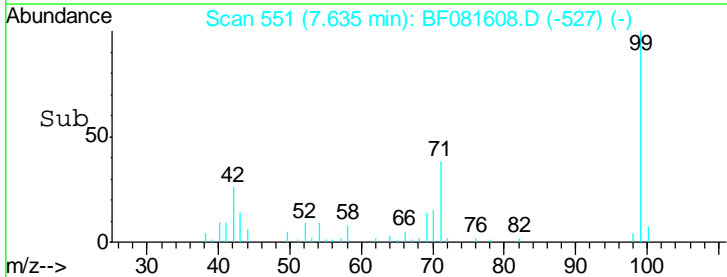
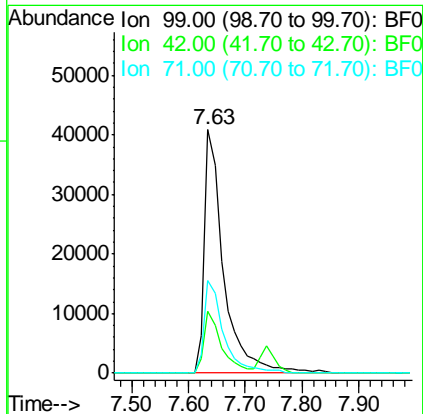
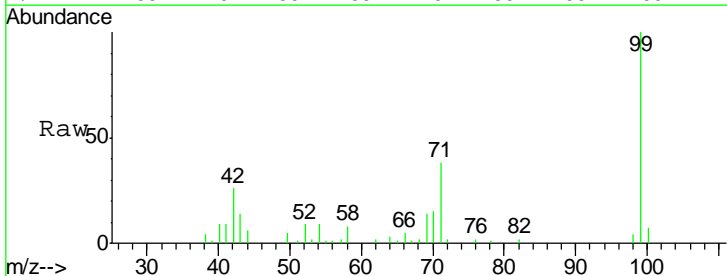
Instrument :
 BNA_F
ClientSampled :
 GP-2(0-5)

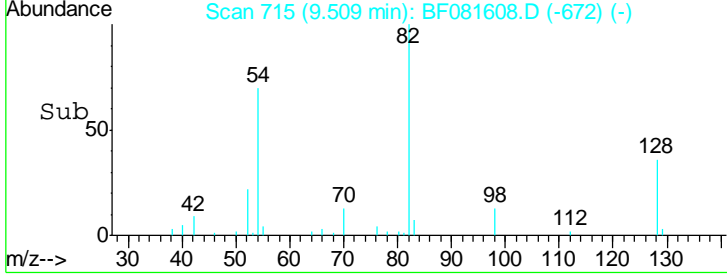
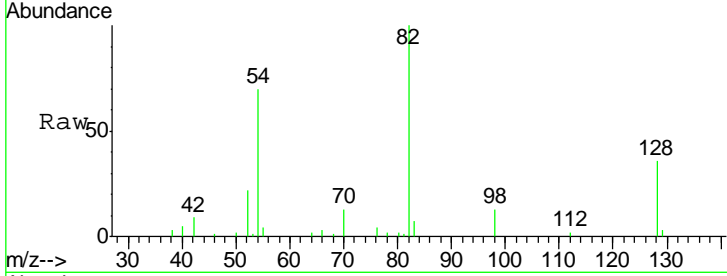
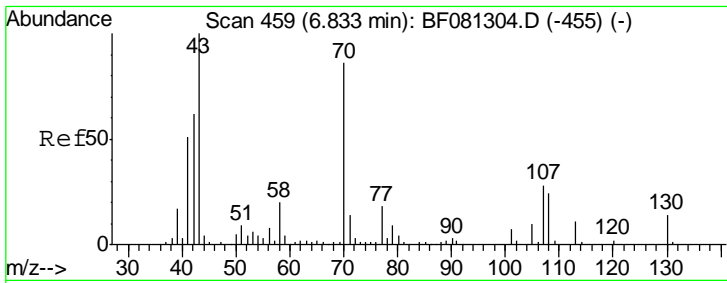
Tgt Ion	Resp	Lower	Upper
112	100		
64	77.7	39.7	59.5#
63	41.9	17.4	26.0#



#7
 Phenol-d6
 Concen: 24.97 ng
 RT: 7.63 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
99	100		
42	25.6	13.7	20.5#
71	37.8	14.2	21.2#

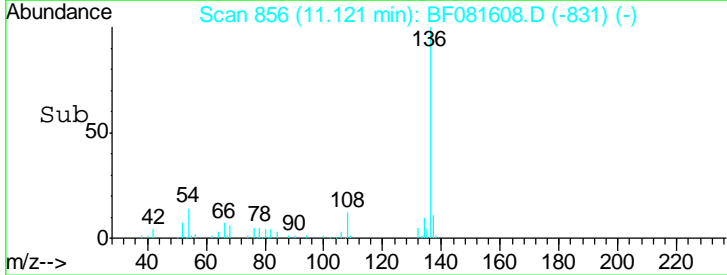
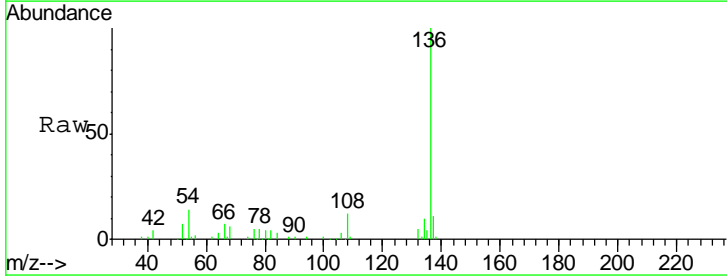
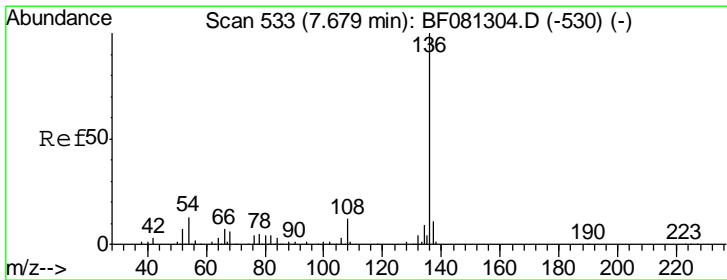
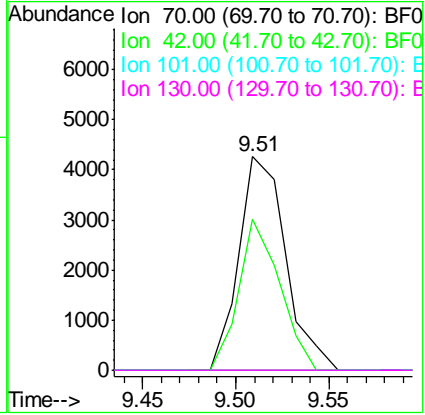




#19
 n-Nitroso-di-n-propylamine
 Concen: 2.93 ng
 RT: 9.51 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

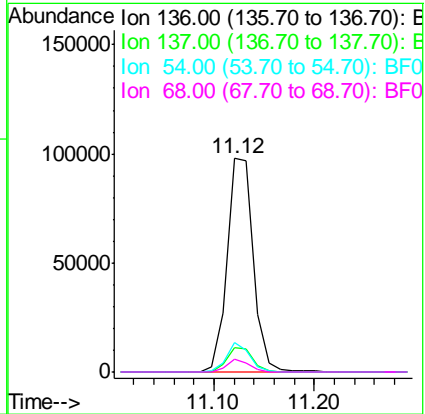
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

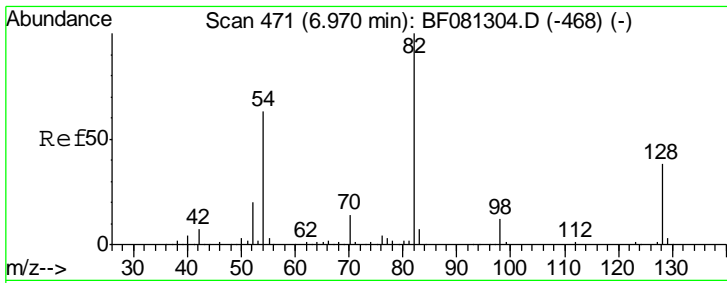
Tgt Ion	Resp	Lower	Upper
70	100		
42	70.8	63.8	95.6
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 11.12 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	13.7	8.2	12.2#
68	5.7	5.8	8.6#

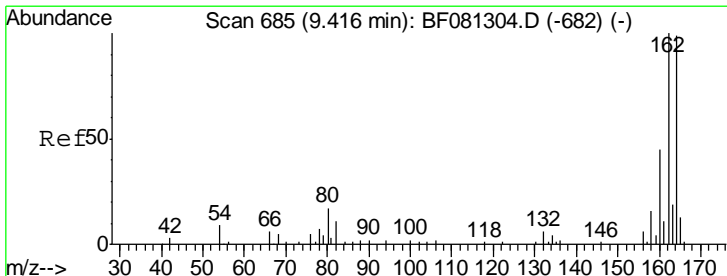
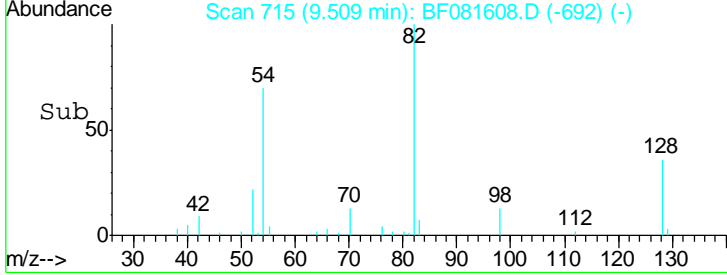
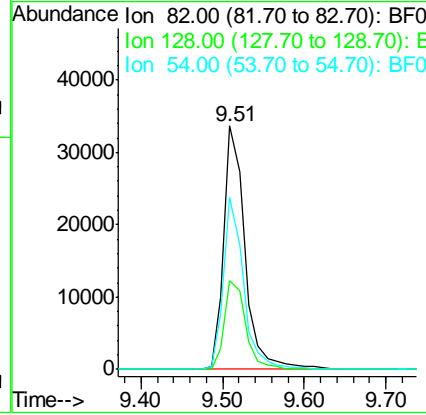
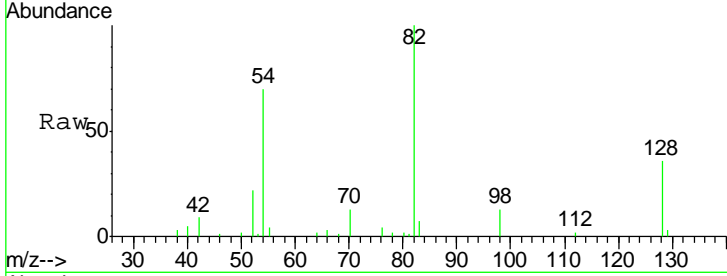




#23
 Nitrobenzene-d5
 Concen: 16.56 ng
 RT: 9.51 min Scan# 715
 Delta R.T. -0.03 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

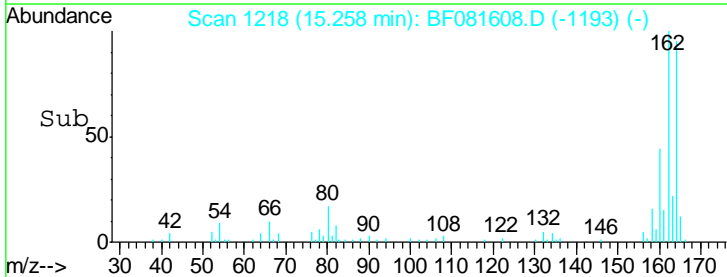
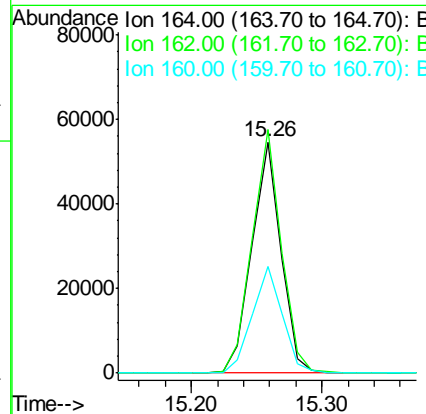
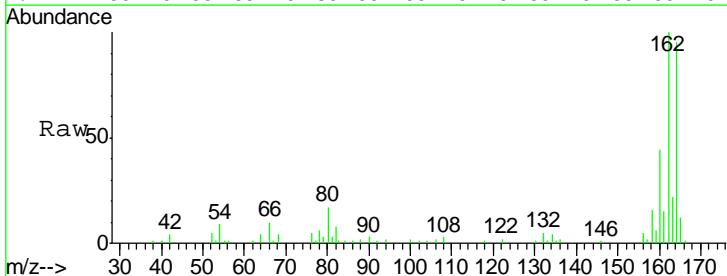
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

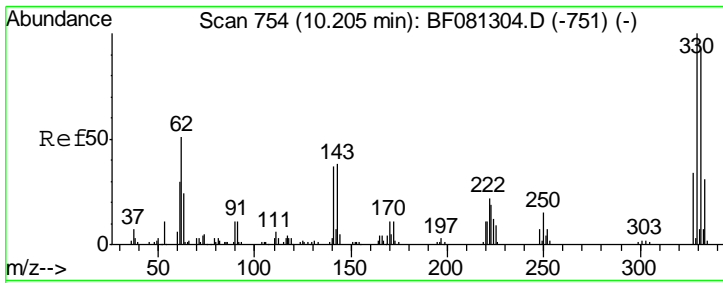
Tgt Ion	Resp	Lower	Upper
82	60717		
128	36.2	51.0	76.6#
54	70.5	47.5	71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
164	85101		
162	105.2	75.2	112.8
160	46.0	31.5	47.3

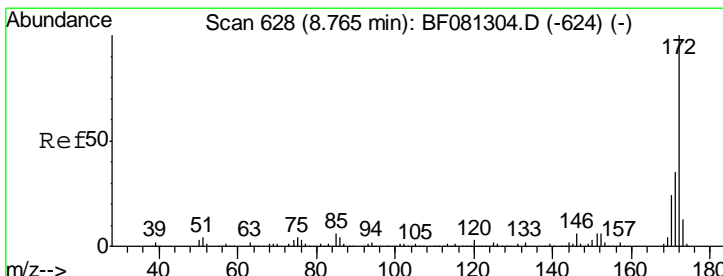
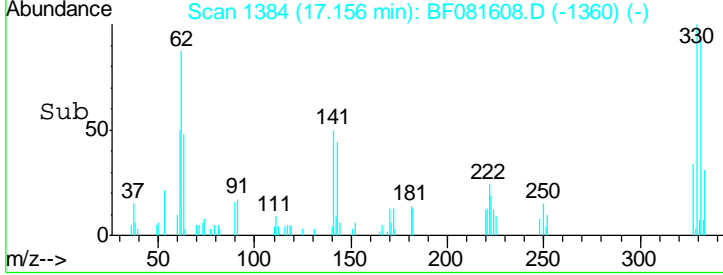
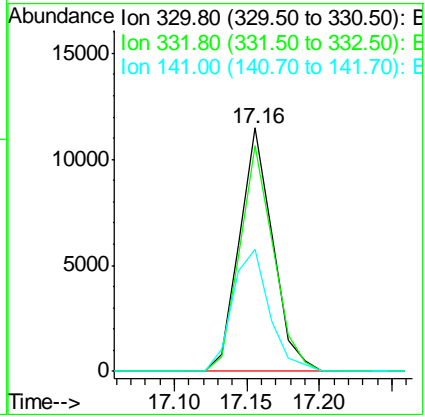
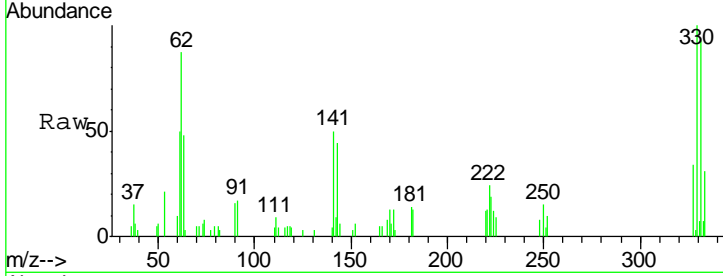




#41
 2,4,6-Tribromophenol
 Concen: 24.17 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

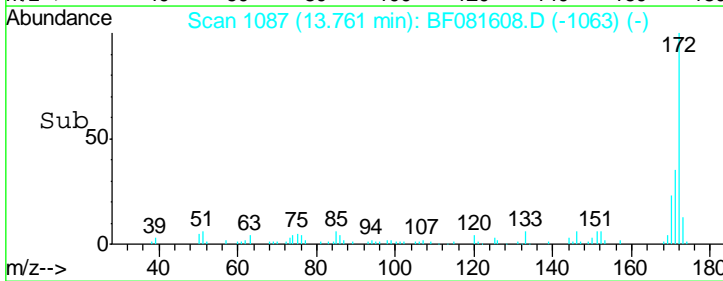
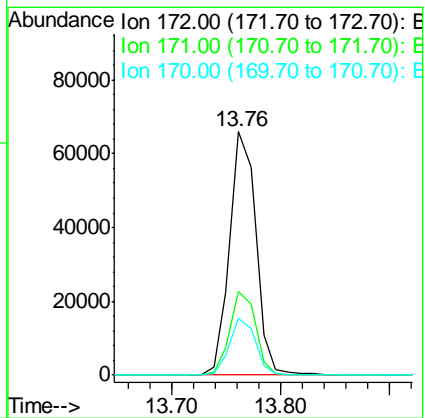
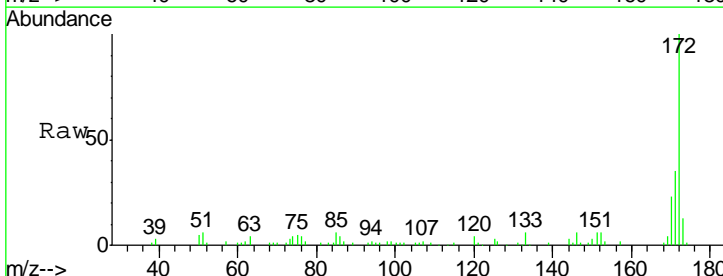
Instrument :
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 ClientSampleId :
 GP-2(0-5)

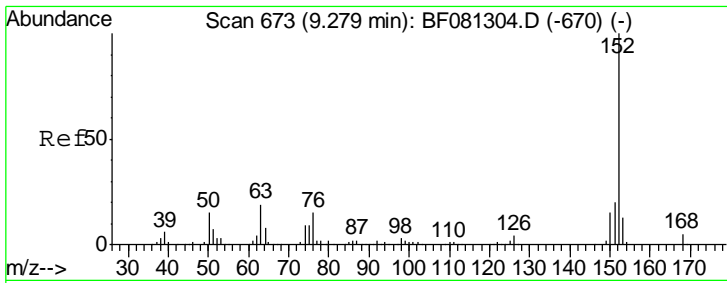
Tgt Ion	Resp	Lower	Upper
330	18313		
332	93.8	76.6	114.8
141	55.8	29.7	44.5#



#44
 2-Fluorobiphenyl
 Concen: 16.58 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
172	110107		
171	34.5	26.1	39.1
170	23.3	17.4	26.2

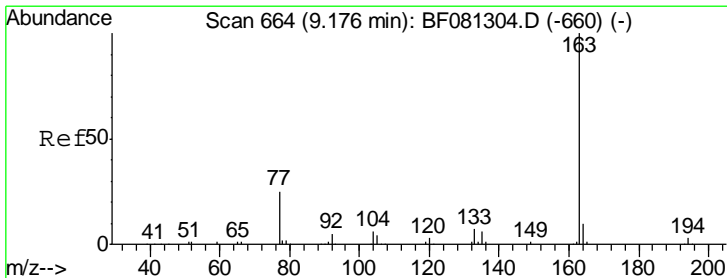
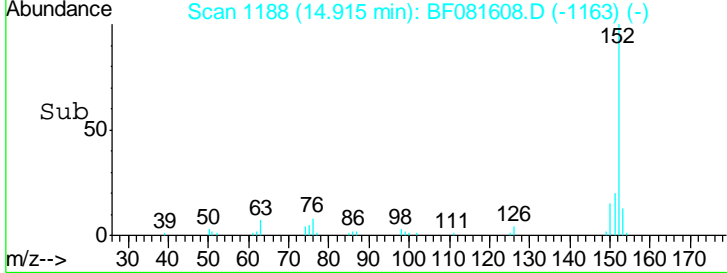
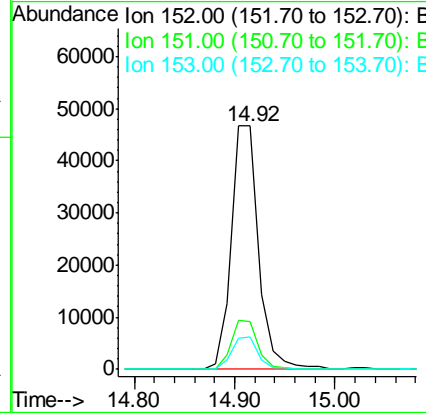
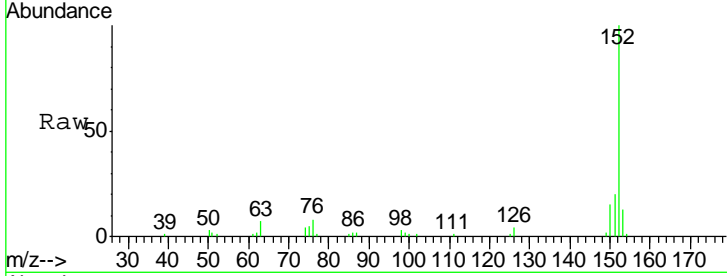




#48
 Acenaphthylene
 Concen: 8.79 ng
 RT: 14.92 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

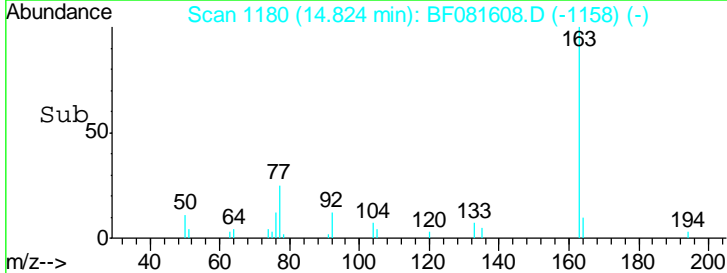
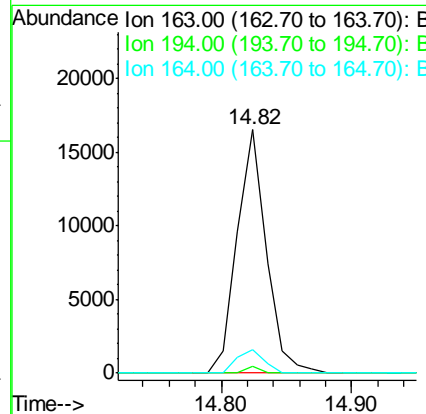
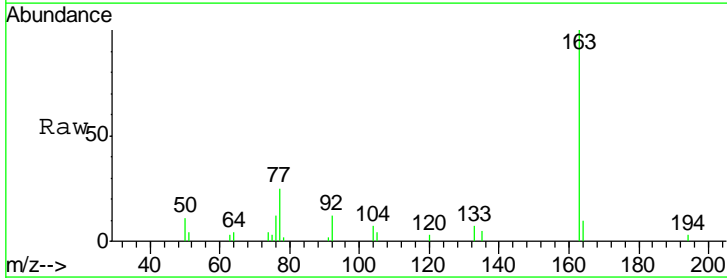
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 ClientSampled :
 GP-2(0-5)

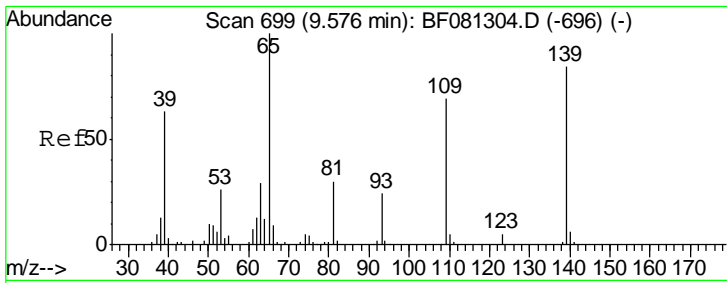
Tgt Ion	Resp	Lower	Upper
152	100		
151	19.8	14.6	22.0
153	13.1	10.3	15.5



#49
 Dimethylphthalate
 Concen: 3.89 ng
 RT: 14.82 min Scan# 1180
 Delta R.T. -0.05 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	9.6	8.3	12.5

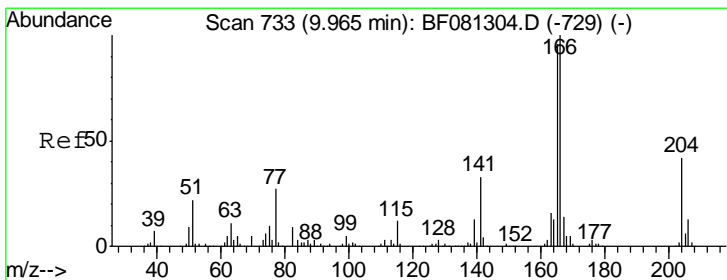
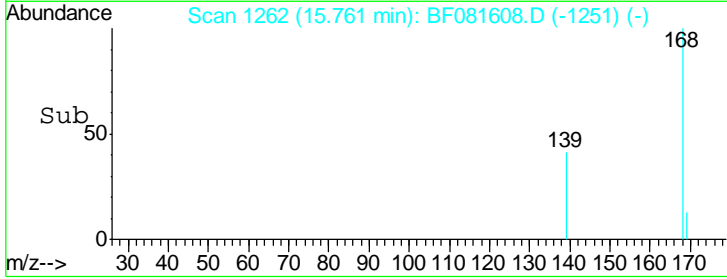
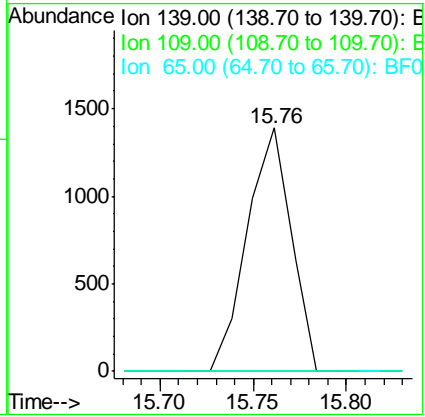
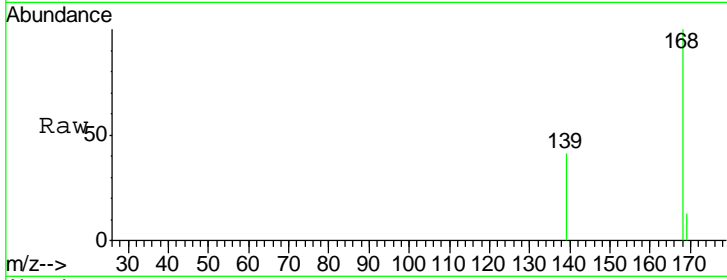




#55
 4-Nitrophenol
 Concen: 2.12 ng
 RT: 15.76 min Scan# 1262
 Delta R.T. -0.17 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

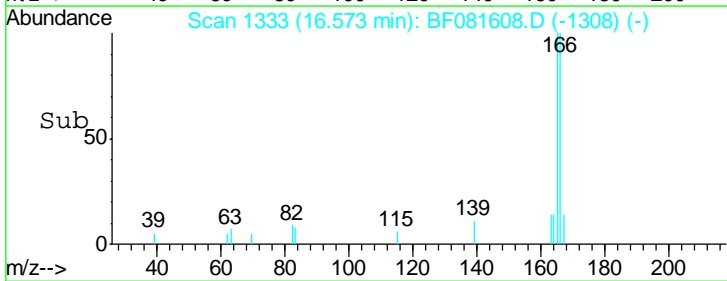
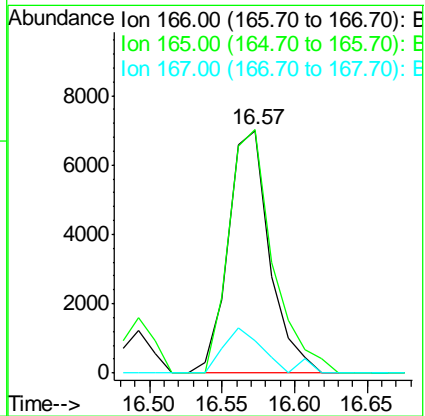
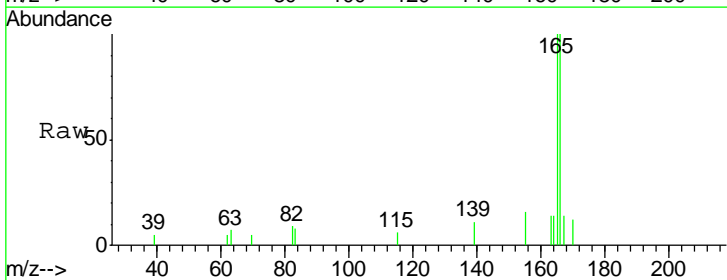
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

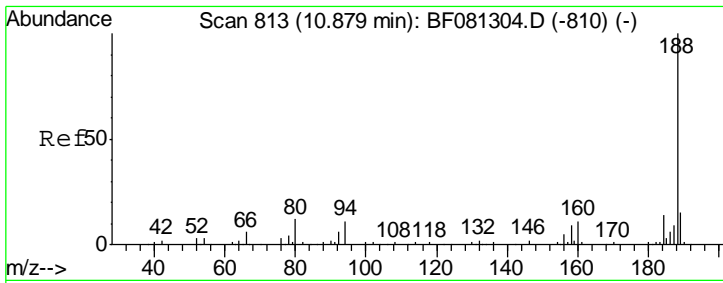
Tgt Ion	Resp	Lower	Upper
139	100		
109	0.0	12.7	52.7#
65	0.0	45.9	85.9#



#57
 Fluorene
 Concen: 2.19 ng
 RT: 16.57 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
166	100		
165	100.4	72.6	109.0
167	13.6	10.6	16.0

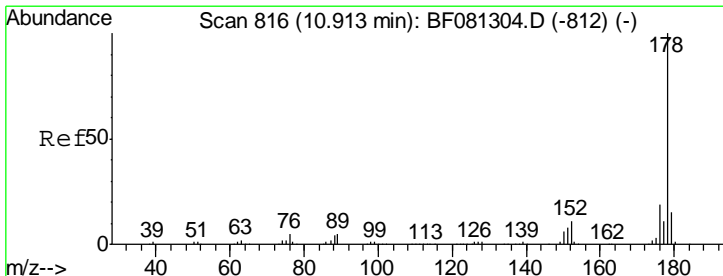
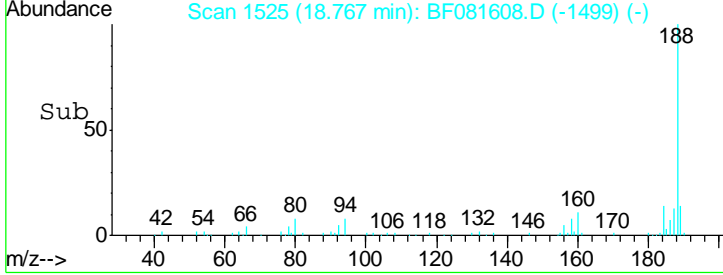
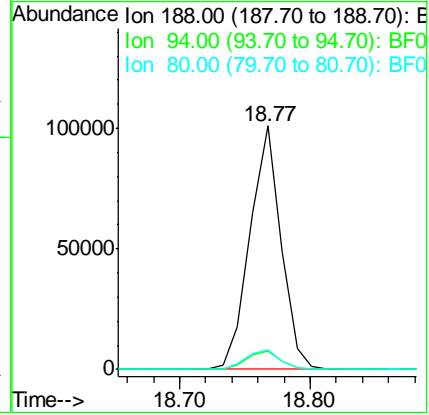
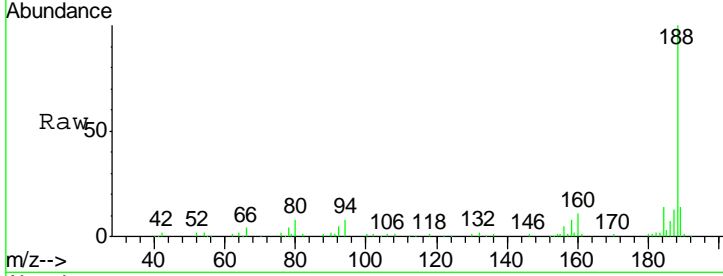




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.77 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

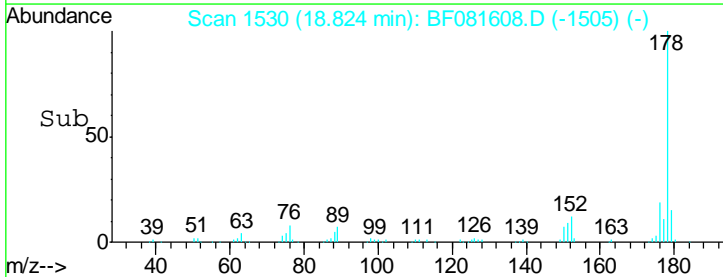
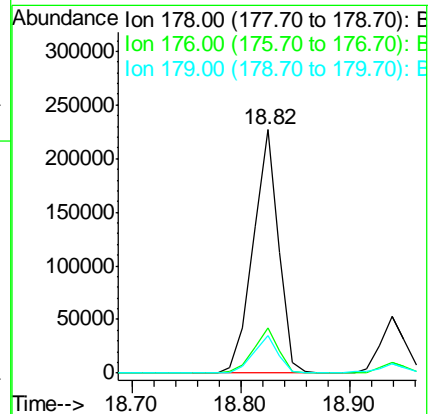
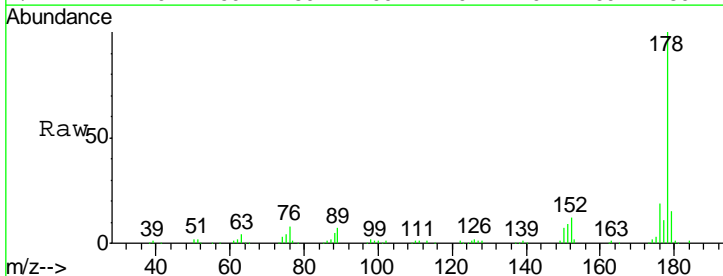
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

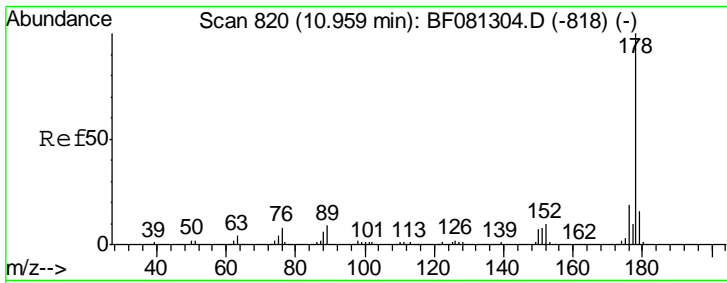
Tgt Ion	Resp	Lower	Upper
188	167772		
94	7.5	11.1	16.7#
80	8.1	11.0	16.4#



#70
 Phenanthrene
 Concen: 39.38 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
178	367285		
176	18.8	13.8	20.8
179	15.3	12.2	18.2



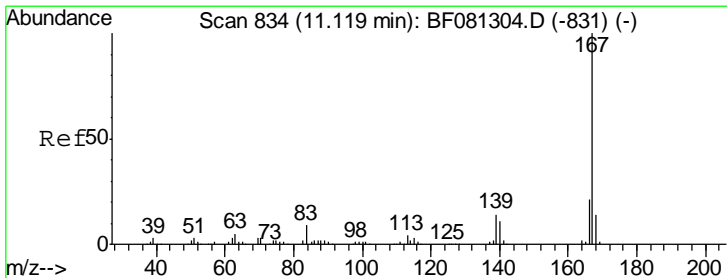
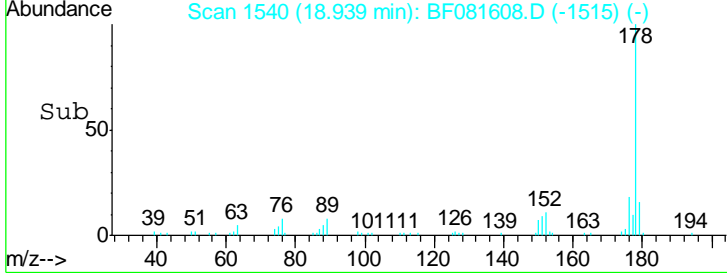
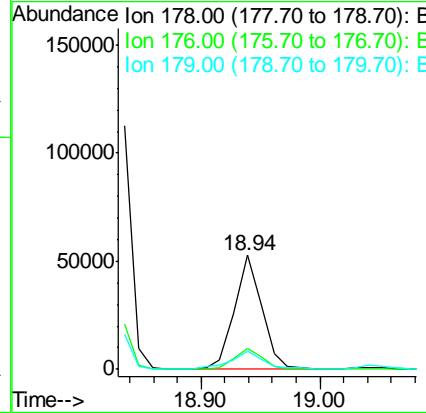
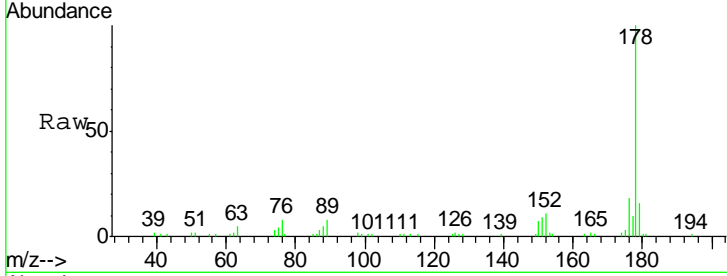


#71
 Anthracene
 Concen: 8.83 ng
 RT: 18.94 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

Tgt Ion:178 Resp: 84583

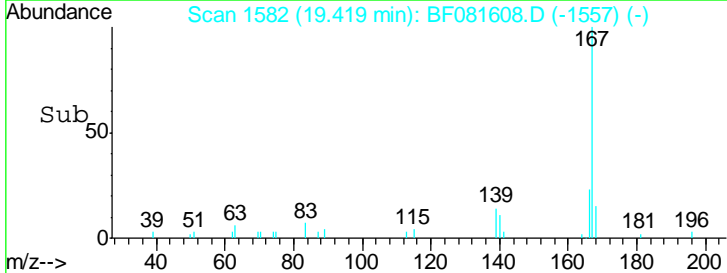
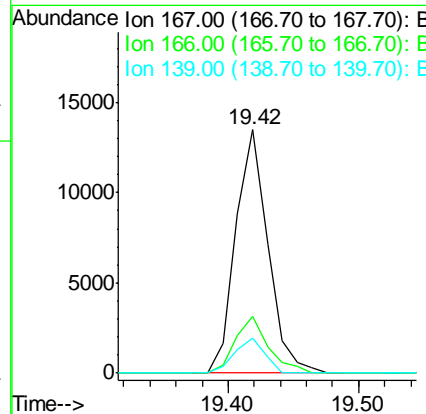
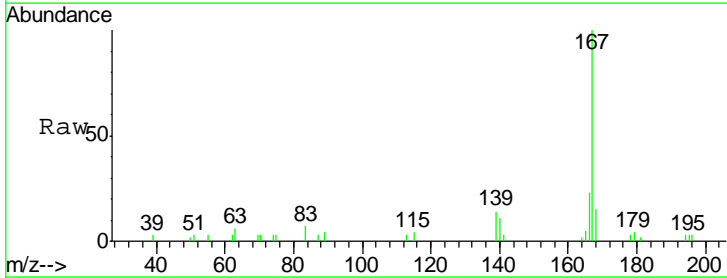
Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.1	21.1
179	16.0	12.2	18.2

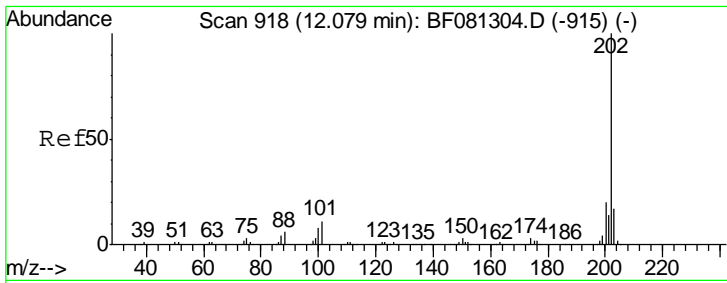


#72
 Carbazole
 Concen: 2.58 ng
 RT: 19.42 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion:167 Resp: 23210

Ion	Ratio	Lower	Upper
167	100		
166	23.3	15.7	23.5
139	14.2	9.5	14.3

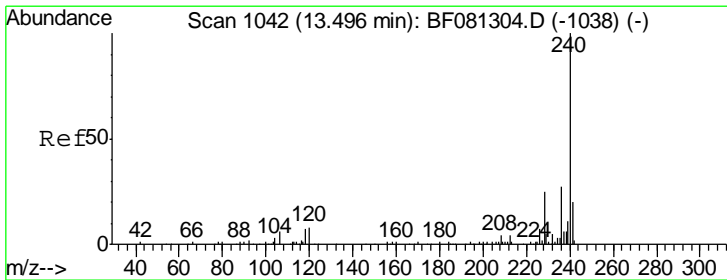
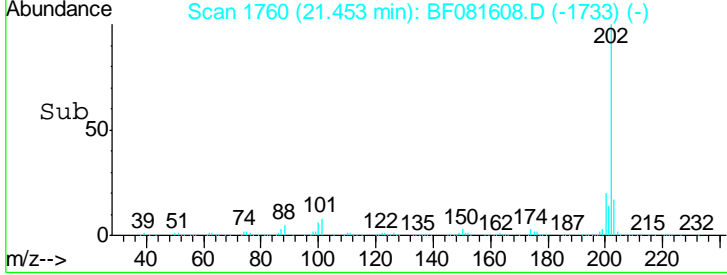
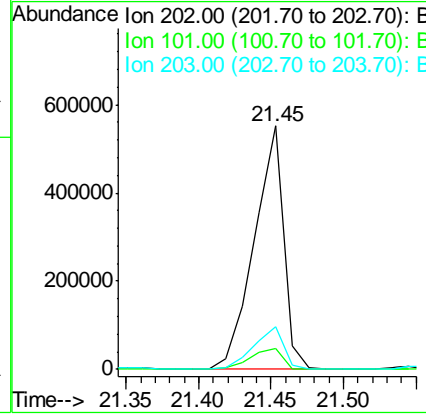
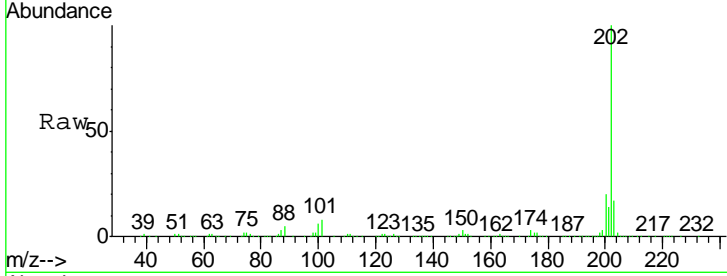




#74
 Fluoranthene
 Concen: 76.59 ng
 RT: 21.45 min Scan# 1760
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

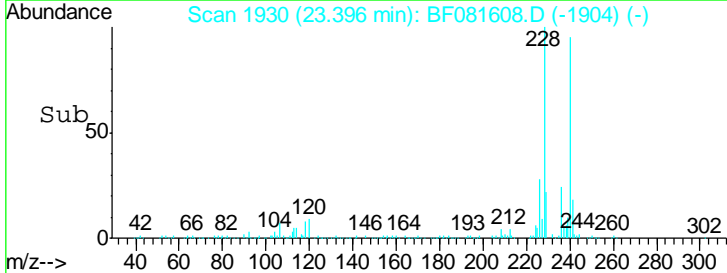
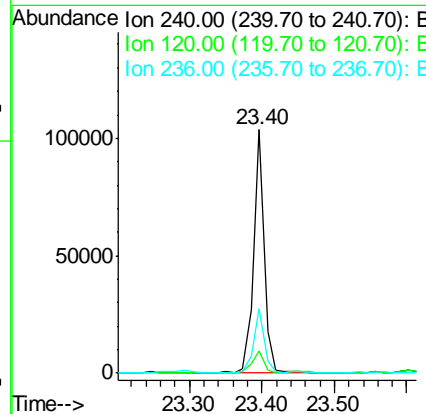
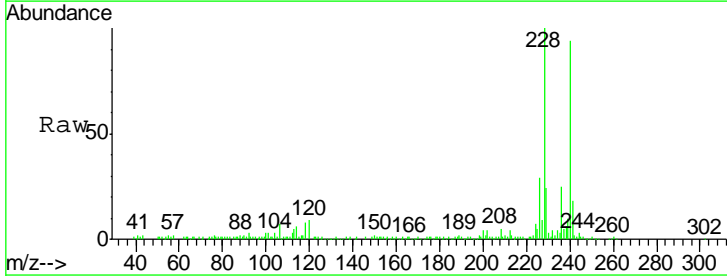
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

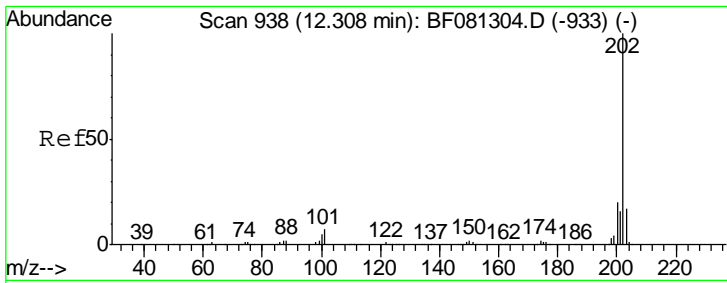
Tgt Ion	Resp	Lower	Upper
202	100		
101	8.5	0.0	38.3
203	17.3	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
240	100		
120	9.1	16.2	24.2#
236	26.3	18.4	27.6

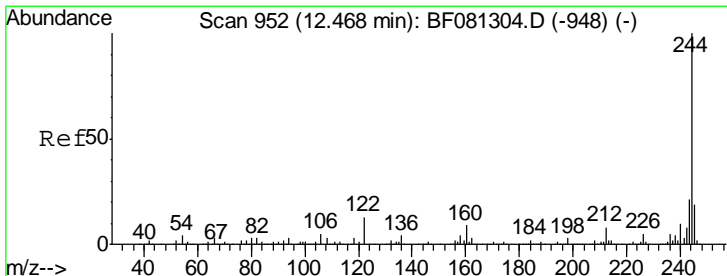
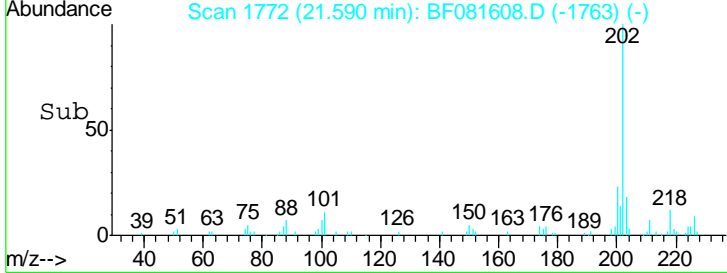
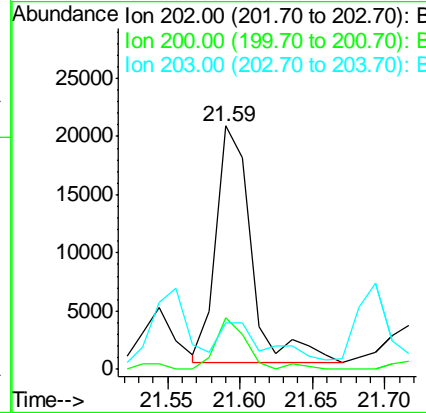
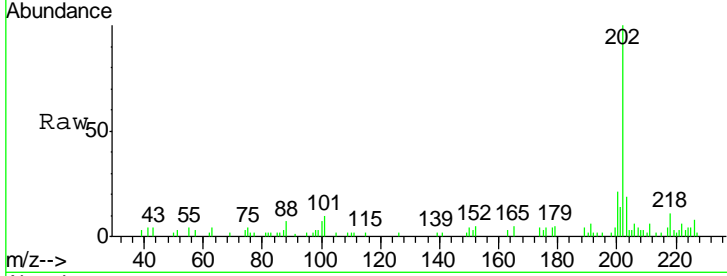




#77
 Pyrene
 Concen: 4.31 ng
 RT: 21.59 min Scan# 1772
 Delta R.T. -0.19 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

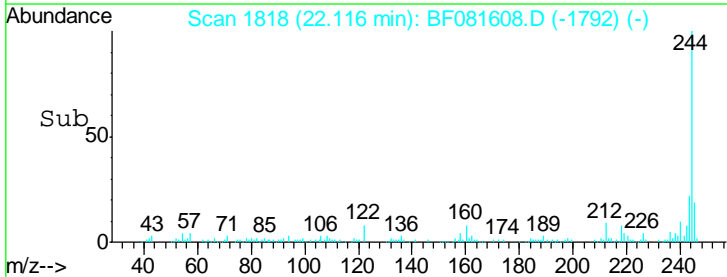
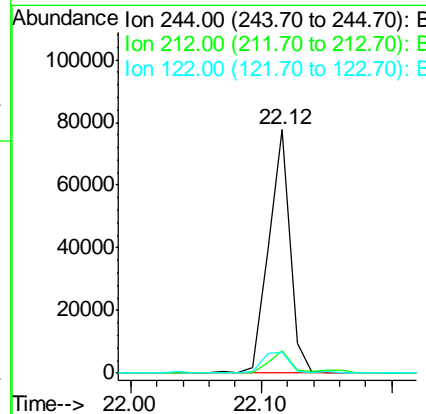
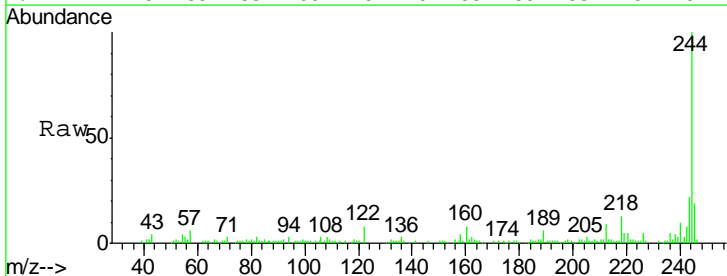
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

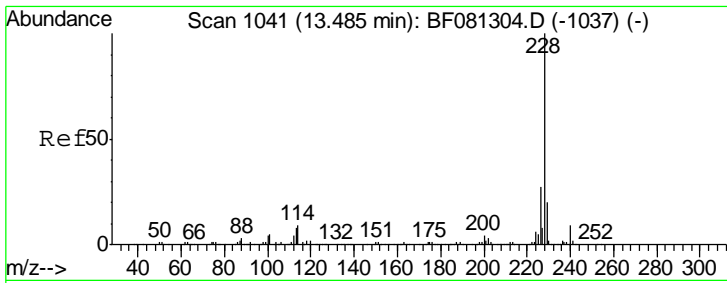
Tgt Ion	Resp	Lower	Upper
202	100		
200	21.4	15.0	22.4
203	19.3	14.1	21.1



#78
 Terphenyl-d14
 Concen: 19.15 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
244	100		
212	8.9	4.3	6.5#
122	8.5	17.4	26.2#

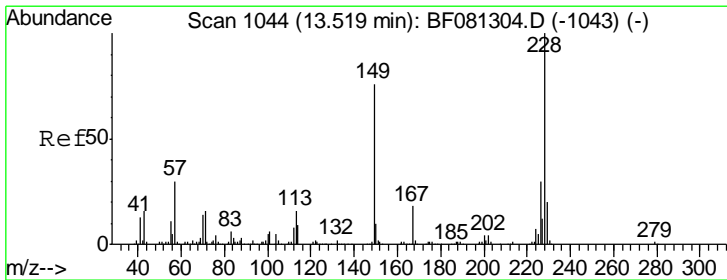
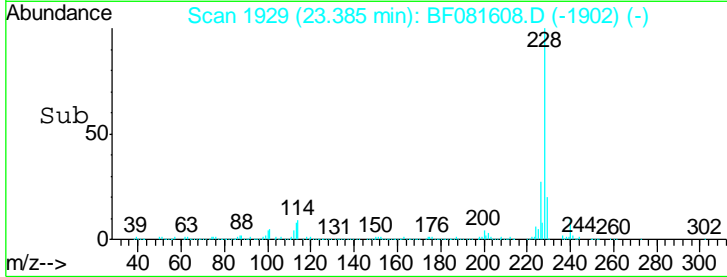
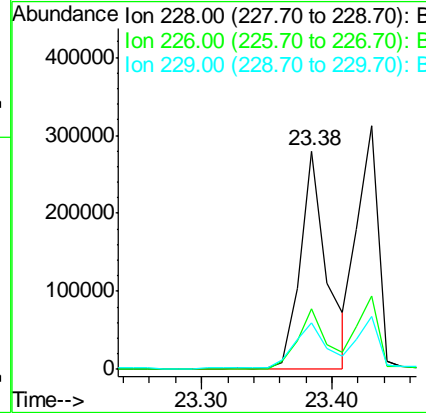
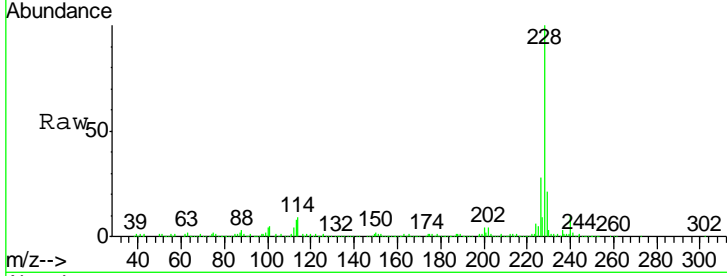




#80
 Benzo(a)anthracene
 Concen: 57.39 ng
 RT: 23.38 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

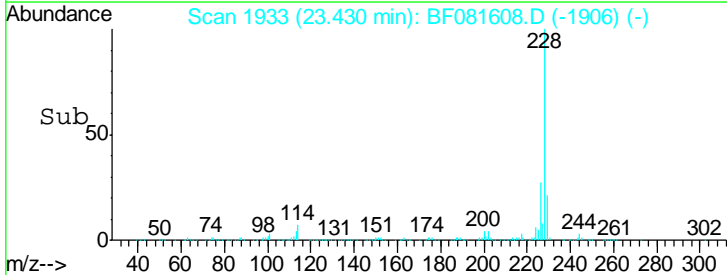
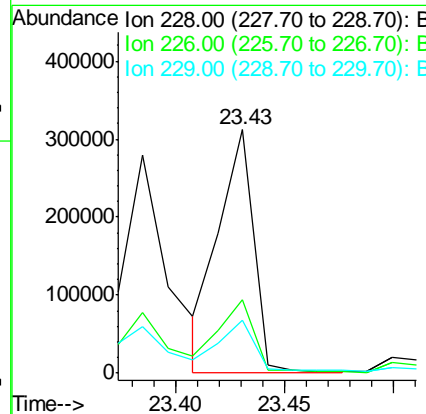
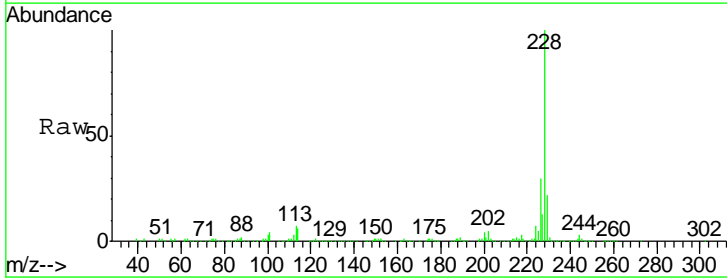
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

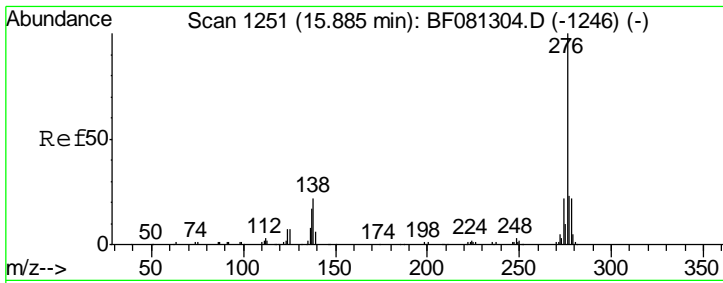
Tgt Ion	Resp	Lower	Upper
228	394017		
226	27.8	20.0	30.0
229	21.0	15.4	23.2



#82
 Chrysene
 Concen: 56.28 ng
 RT: 23.43 min Scan# 1933
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
228	346397		
226	30.1	21.0	31.4
229	21.7	15.6	23.4

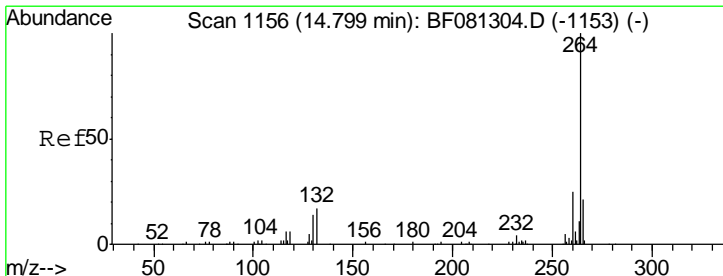
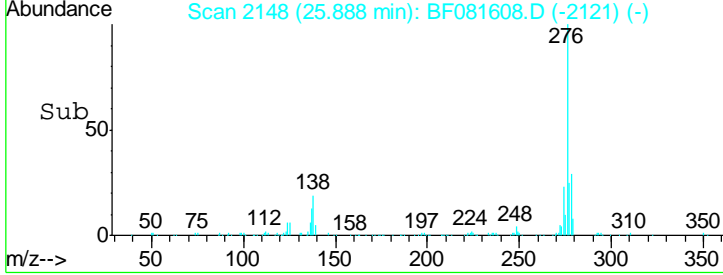
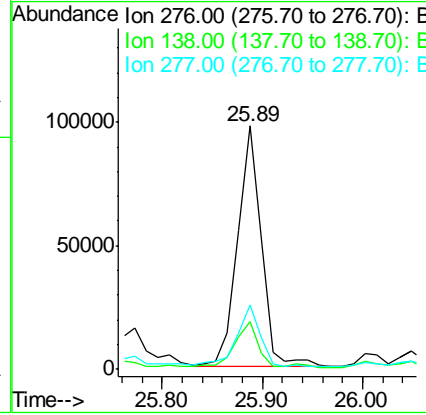
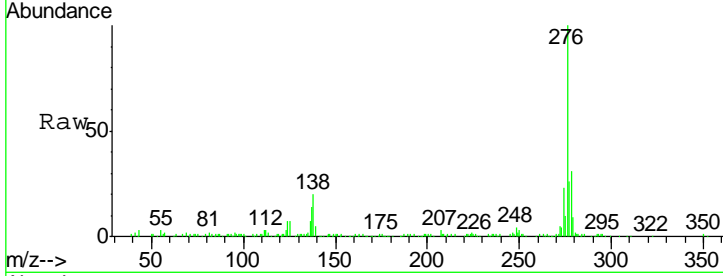




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.76 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

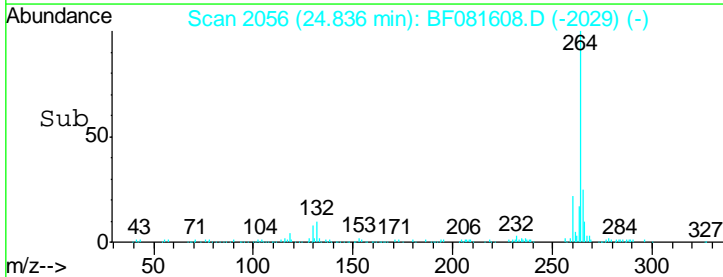
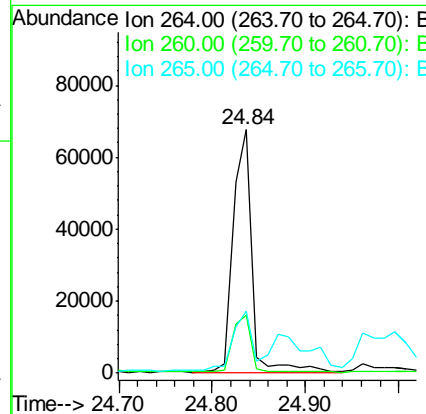
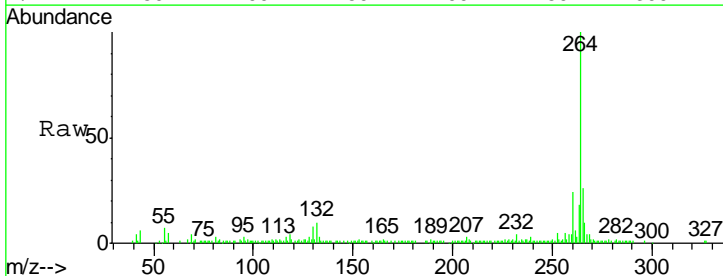
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

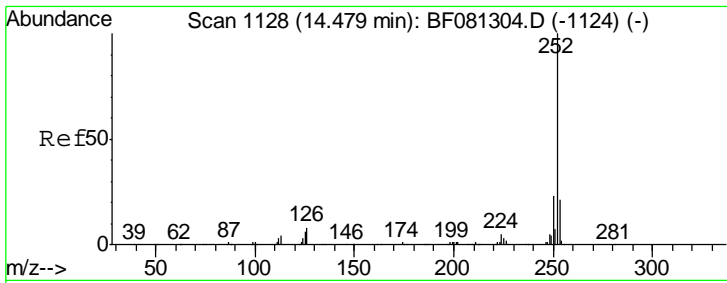
Tgt Ion	Resp	Lower	Upper
276	161473		
138	18.7	25.7	38.5#
277	26.8	15.6	23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 2056
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
264	96721		
260	23.6	16.7	25.1
265	25.6	17.2	25.8

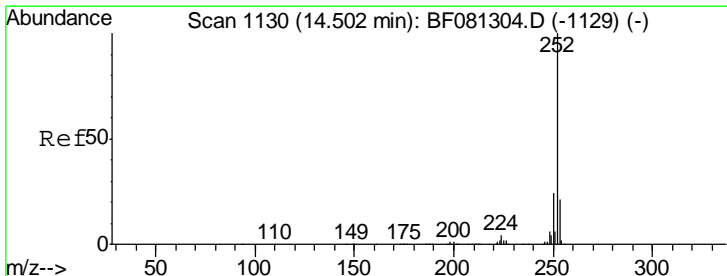
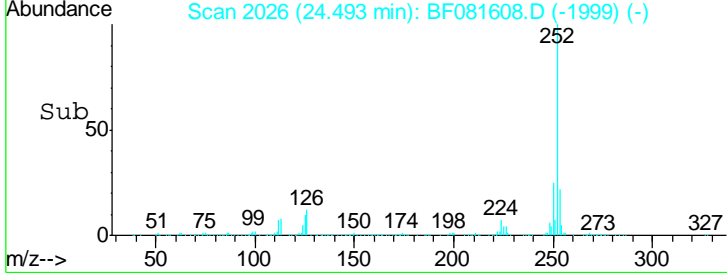
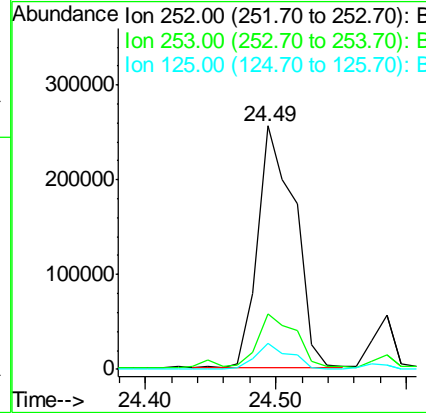
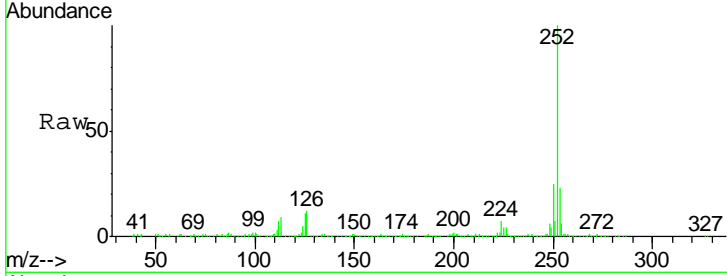




#87
 Benzo(b)fluoranthene
 Concen: 72.68 ng
 RT: 24.49 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

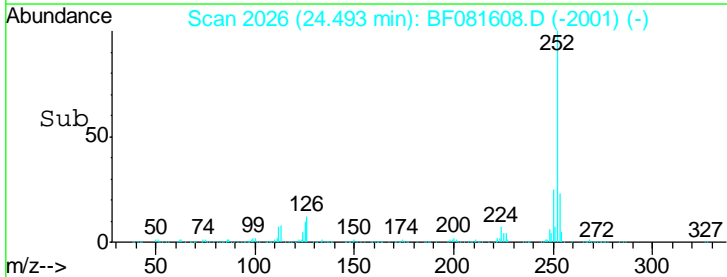
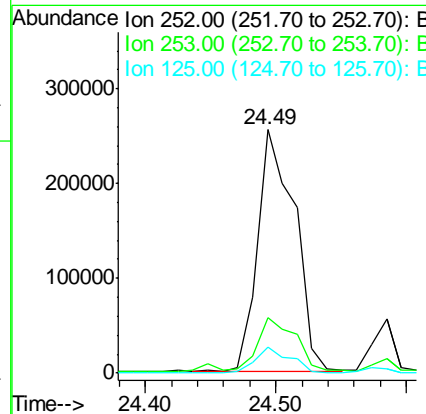
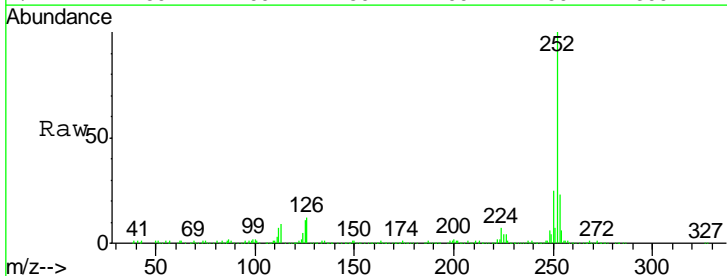
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

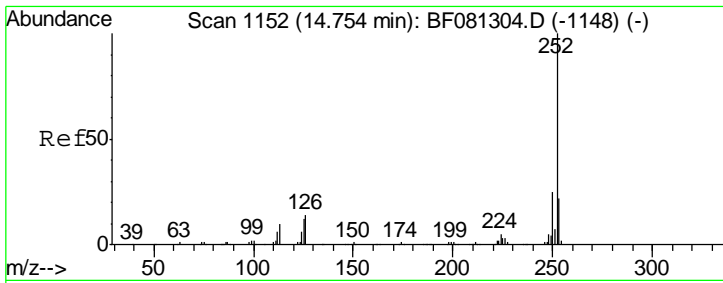
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.5	17.1	25.7#



#88
 Benzo(k)fluoranthene
 Concen: 87.59 ng
 RT: 24.49 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	10.5	16.0	24.0#

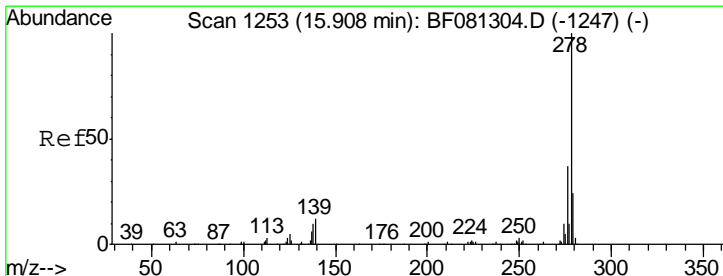
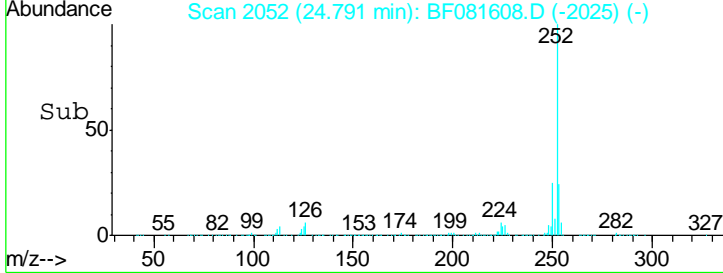
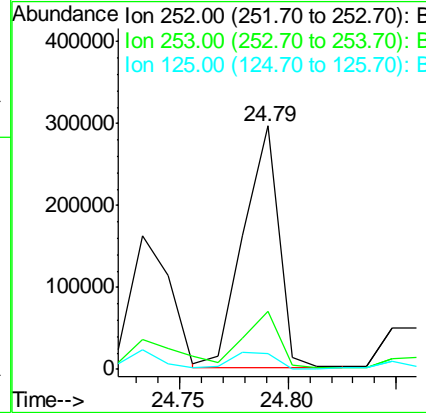
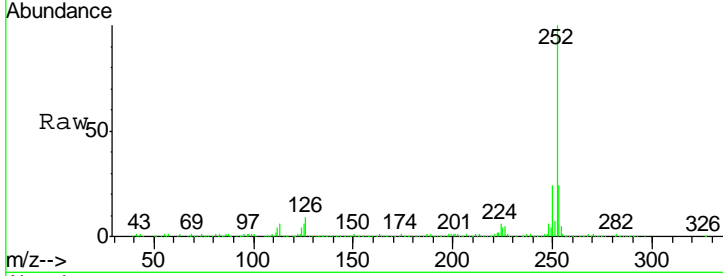




#89
 Benzo(a)pyrene
 Concen: 57.46 ng
 RT: 24.79 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

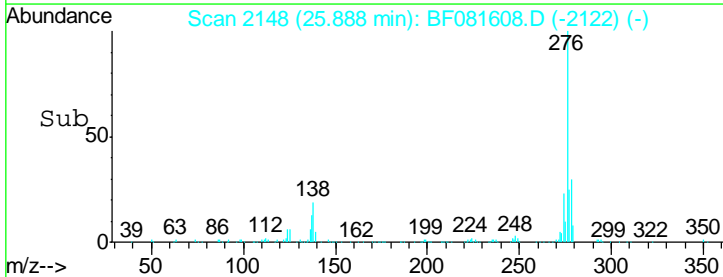
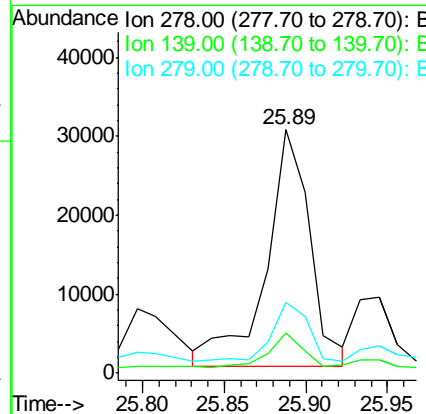
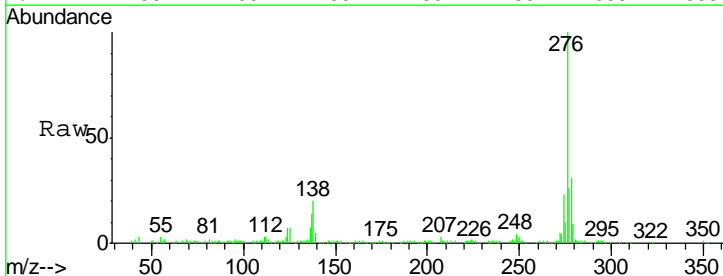
Instrument :
 BNA_F
 ClientSampled :
 GP-2(0-5)

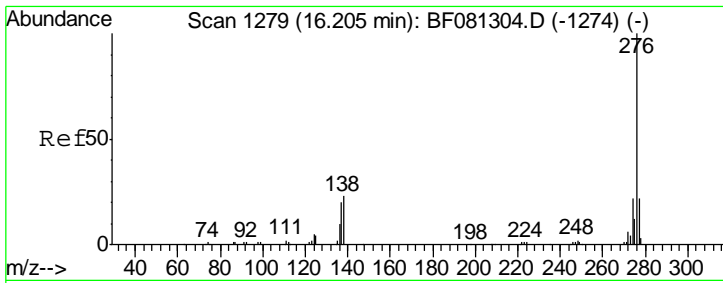
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	6.4	18.0	27.0#



#90
 Dibenzo(a,h)anthracene
 Concen: 12.39 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Tgt Ion	Resp	Lower	Upper
278	100		
139	16.4	26.3	39.5#
279	29.0	18.2	27.4#





#91
 Benzo(g,h,i)perylene
 Concen: 34.40 ng
 RT: 26.20 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: BF081608.D
 Acq: 14 Sep 2015 15:10

Instrument :
 BNA_F
ClientSampleId :
 GP-2(0-5)

Tgt Ion	Resp	Lower	Upper
276	148468		
277	25.2	17.8	26.6
138	18.1	34.6	51.8#

