

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
 Data File : BG019681.D
 Acq On : 18 Nov 2015 4:39
 Operator : UM/NP
 Sample : G4427-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7D1

Manual Integrations
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Quant Time: Nov 18 07:38:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	31726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	139562	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	108666	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	279750	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	335491	20.00	ng/ul	0.01
86) Perylene-d12	25.12	264	330394	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	2466m	3.32	ng/uL	0.00
5) Phenol-d5	7.29	99	60895	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	41041	19.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	38114	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	51183	19.02	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	21049	18.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	25459	19.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	53317	19.12	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	47571	17.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	192018	19.54	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	199492	18.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	27074	17.48	ng/ul	0.00
58) Fluorene-d10	15.77	176	161115	18.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	16433	9.09	ng/ul	0.00
71) Anthracene-d10	17.63	188	258445	19.03	ng/ul	0.00
79) Pyrene-d10	19.90	212	277724	18.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	298277	17.29	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	7.32	94	6081	1.73	ng/ul	95
28) Naphthalene	11.03	128	76319	10.12	ng/ul	99
34) 2-Methylnaphthalene	12.62	142	10346	1.72	ng/ul	92
35) 1-Methylnaphthalene	12.84	142	6059	1.01	ng/ul#	91
45) Dimethylphthalate	14.22	163	137995	14.16	ng/ul	99
48) Acenaphthylene	14.51	152	62406	5.87	ng/ul#	97
50) Acenaphthene	14.85	153	112286	15.43	ng/ul	96
54) Dibenzofuran	15.18	168	66828	6.26	ng/ul	97
59) Fluorene	15.83	166	134674	14.43	ng/ul	98
70) Phenanthrene	17.57	178	1317606	88.01	ng/ul	95
72) Anthracene	17.66	178	434429	28.78	ng/ul	99
75) Carbazole	17.92	167	24849	2.05	ng/ul	96
77) Fluoranthene	19.58	202	2497439m	130.89	ng/ul	
80) Pyrene	19.94	202	2118344	108.11	ng/ul#	92
83) Benzo(a)anthracene	21.78	228	1402655	68.98	ng/ul	90
85) Chrysene	21.85	228	1109976	57.98	ng/ul	96
88) Benzo(b)fluoranthene	24.07	252	1232746	60.55	ng/ul#	95
89) Benzo(k)fluoranthene	24.13	252	557056m	28.36	ng/ul	
91) Benzo(a)pyrene	24.98	252	1068475	54.51	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.94	276	601734	27.43	ng/ul	94
93) Dibenzo(a,h)anthracene	28.97	278	159616m	8.85	ng/ul	
94) Benzo(g,h,i)perylene	30.14	276	467536	25.69	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

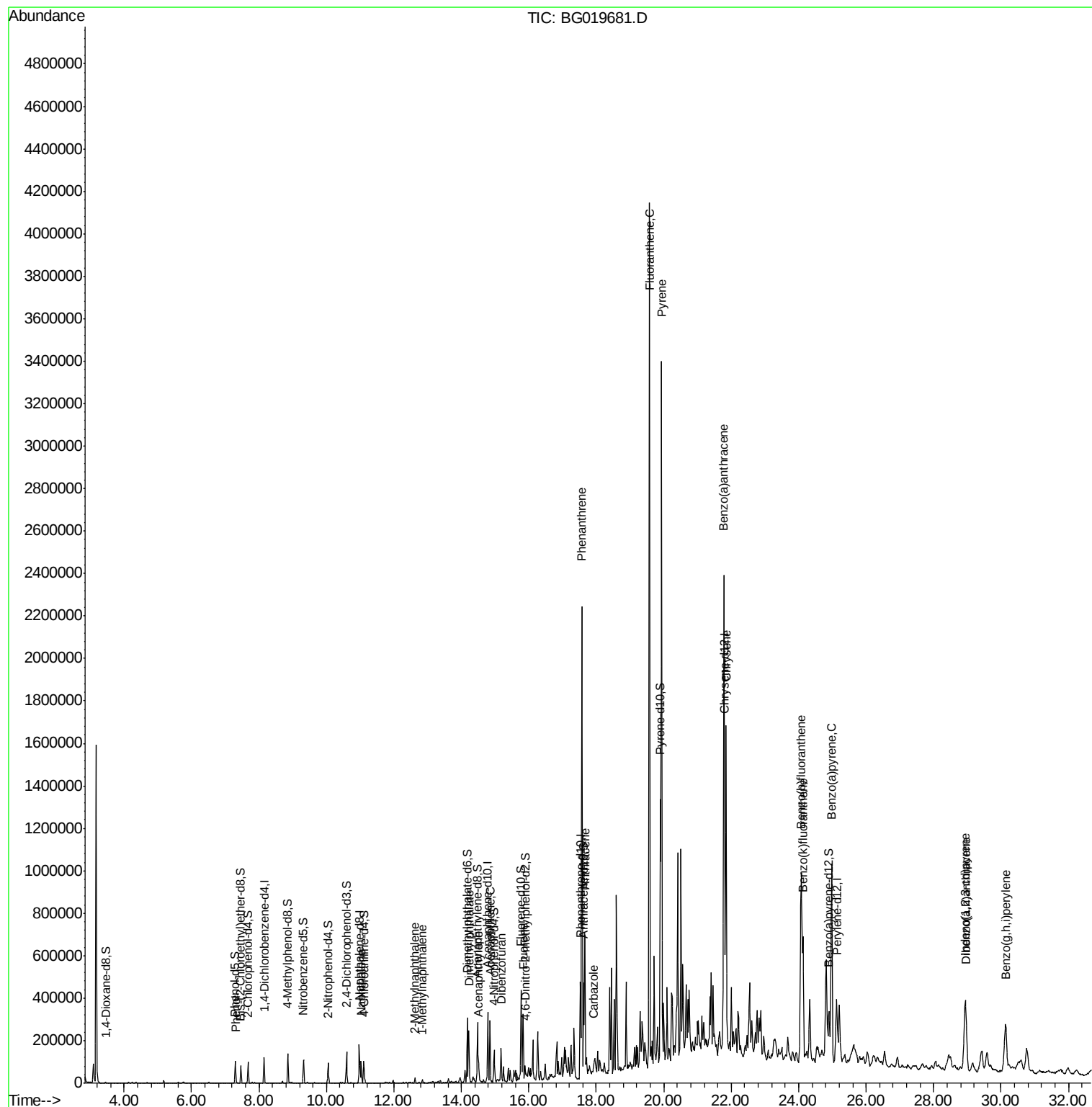
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
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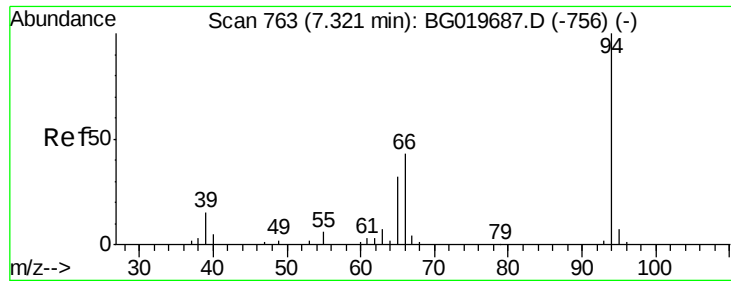
Instrument :
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#6

Phenol

Concen: 1.73 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG019681.D

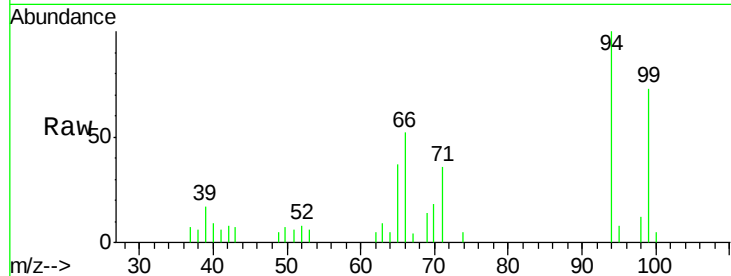
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Instrument :

BNA_G

ClientSampleID :

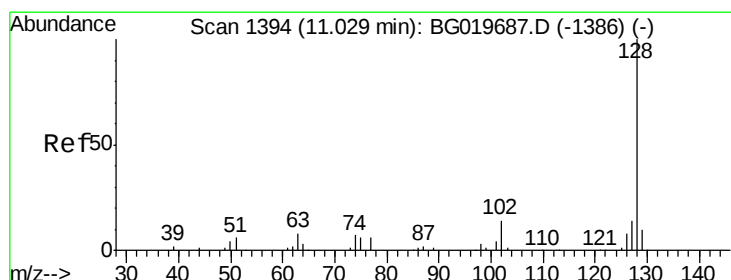
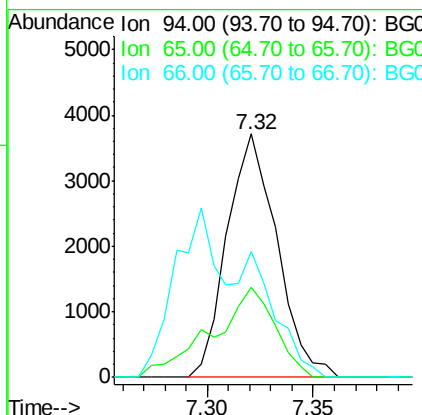
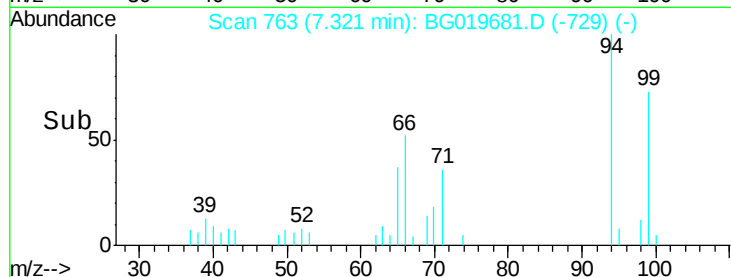
BC7D1



Tgt Ion:	94	Resp:	6081
Ion	Ratio	Lower	Upper
94	100		
65	37.2	27.4	41.0
66	52.0	39.0	58.6

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#28

Naphthalene

Concen: 10.12 ng/ul

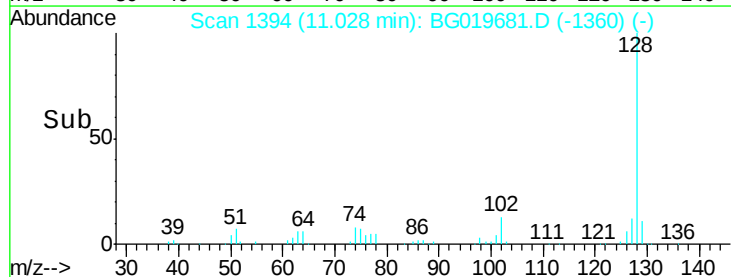
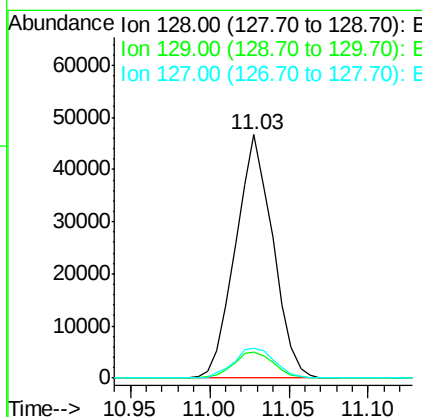
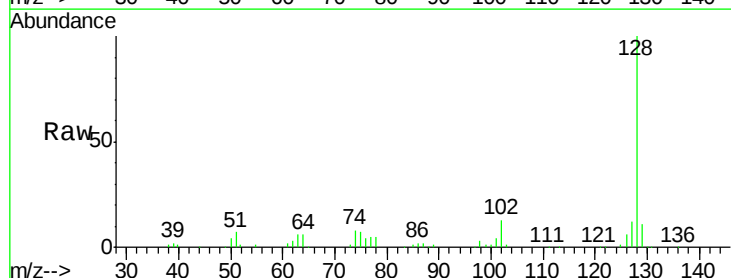
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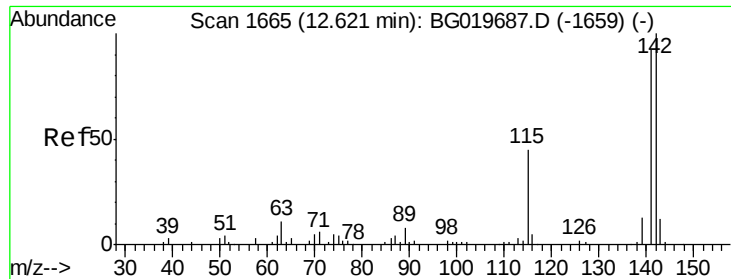
Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt Ion:	128	Resp:	76319
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.1	12.1
127	12.5	10.0	15.0





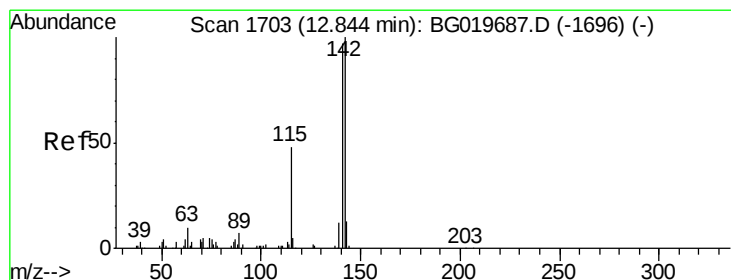
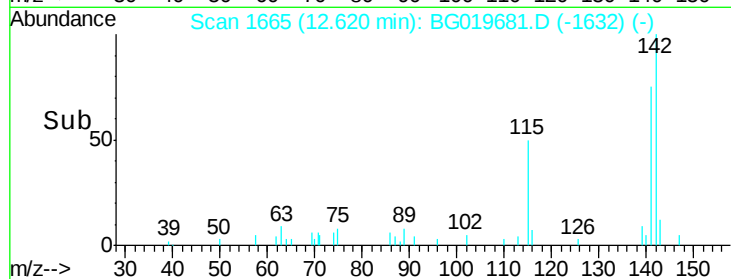
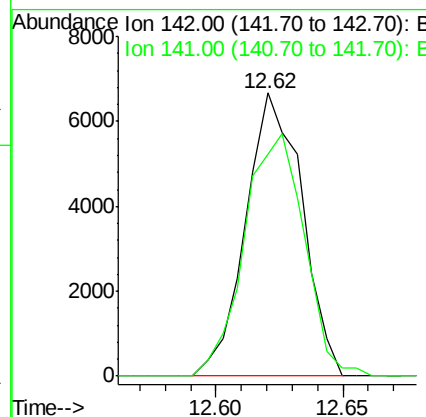
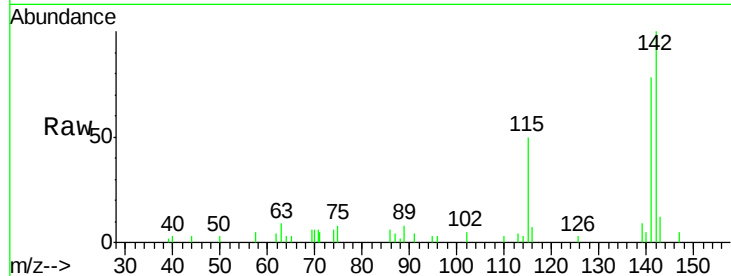
#34
 2-Methylnaphthalene
 Concen: 1.72 ng/ul
 RT: 12.62 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:142 Resp: 10346
 Ion Ratio Lower Upper
 142 100
 141 78.5 68.8 103.2

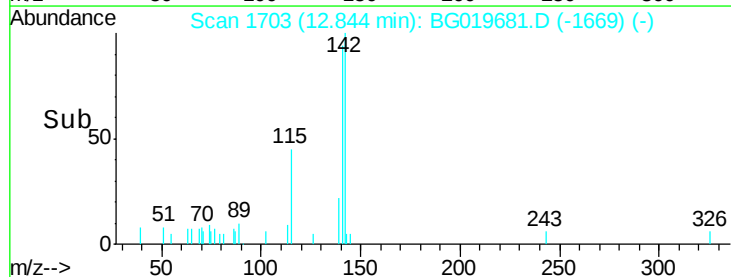
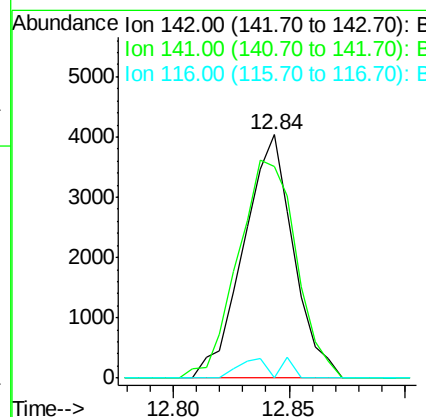
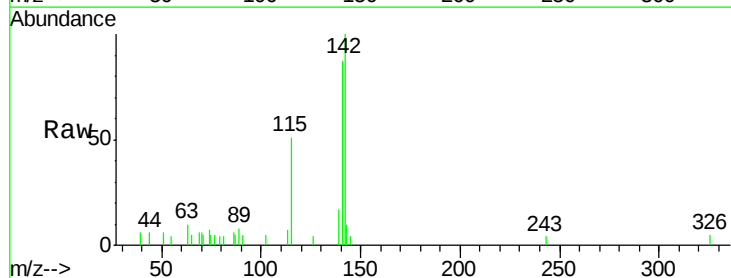
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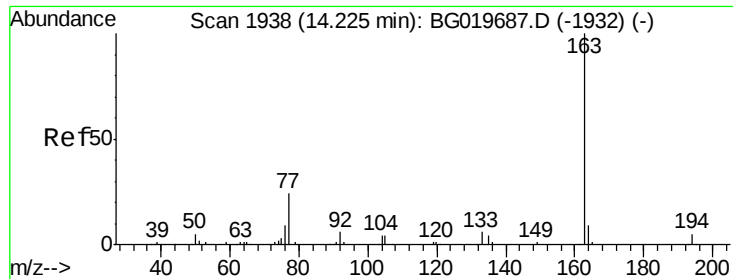
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#35
 1-Methylnaphthalene
 Concen: 1.01 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Tgt Ion:142 Resp: 6059
 Ion Ratio Lower Upper
 142 100
 141 87.1 76.6 114.8
 116 0.0 4.1 6.1#





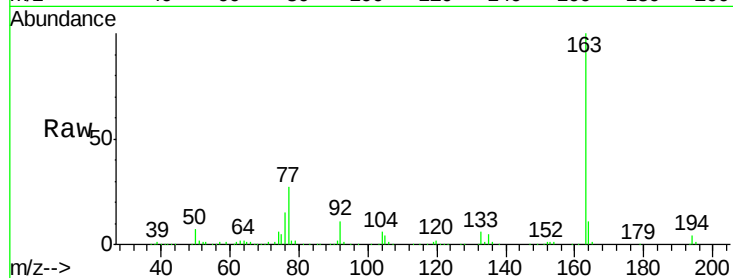
#45
Dimethylphthalate
Concen: 14.16 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

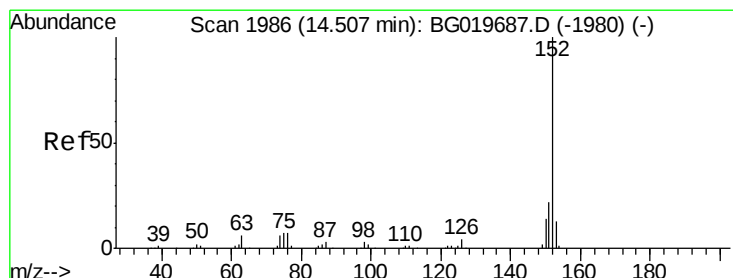
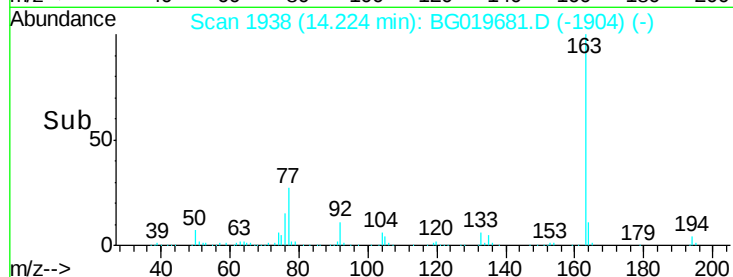
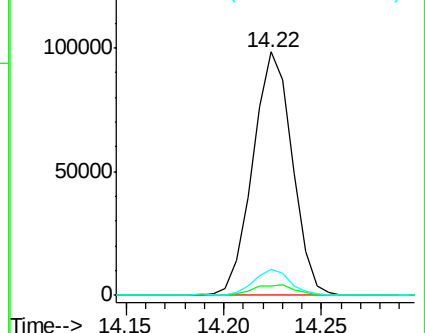
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.5	5.3
164	10.8	8.3	12.5

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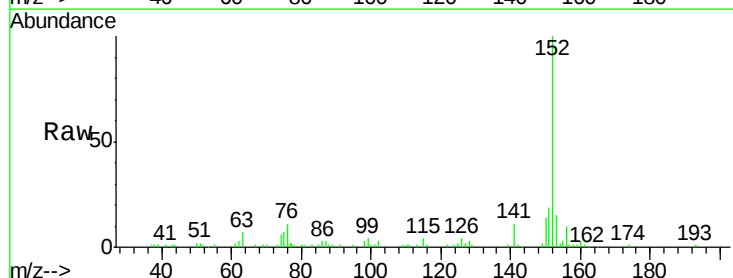


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

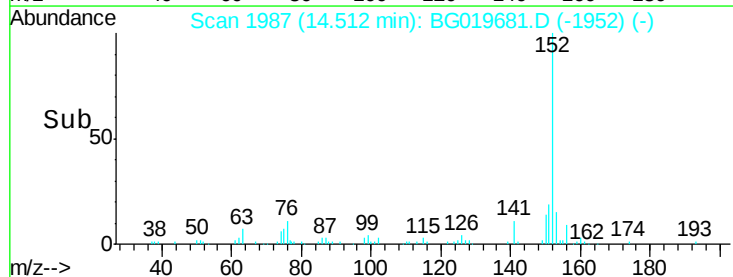
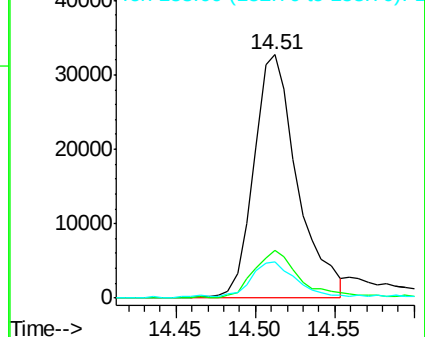


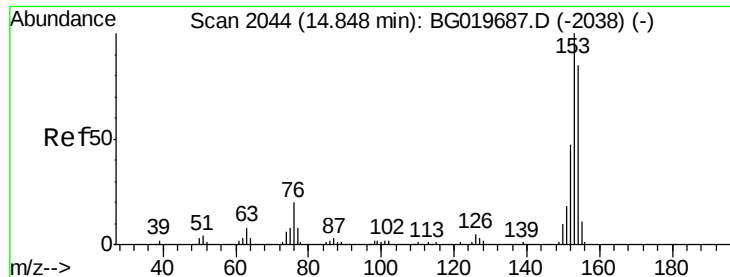
#48
Acenaphthylene
Concen: 5.87 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.4	15.1	22.7
153	14.9	9.8	14.8#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 15.43 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

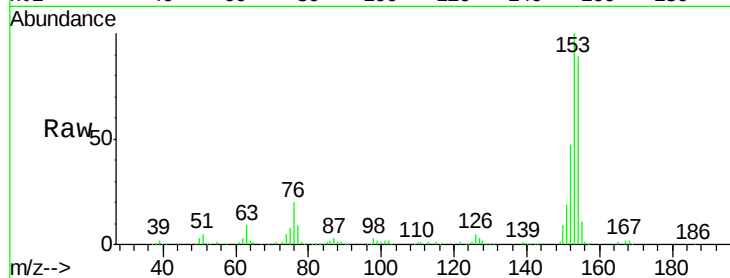
ClientSampleId :

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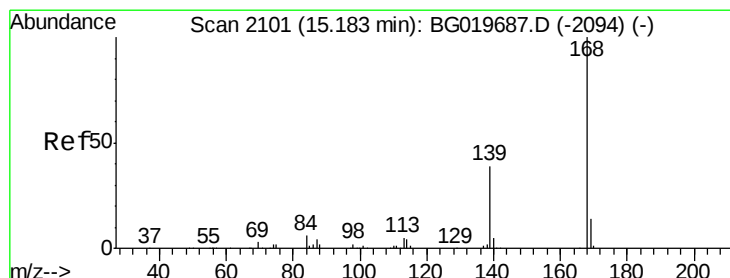
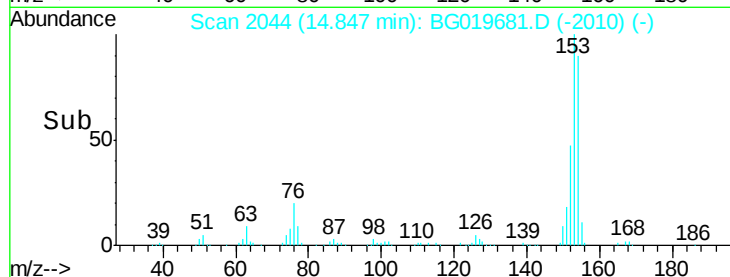
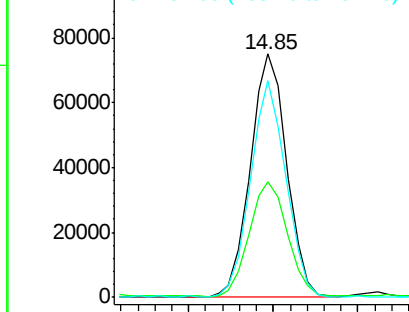
Tgt Ion:	153	Resp:	112286
Ion Ratio	Lower	Upper	
153	100		
152	47.5	40.9	61.3
154	89.1	69.1	103.7

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 6.26 ng/ul

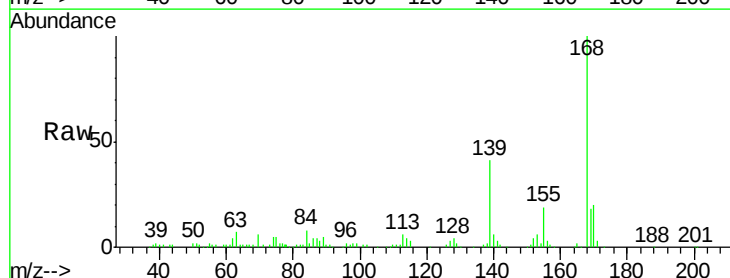
RT: 15.18 min Scan# 2100

Delta R.T. 0.00 min

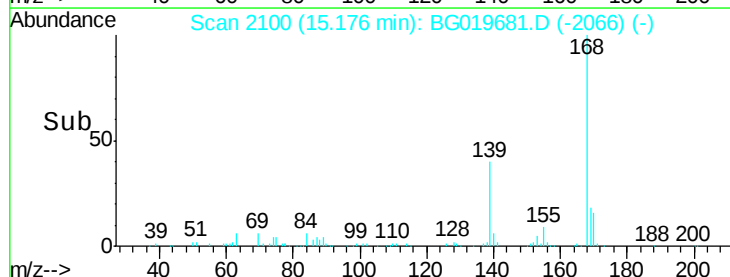
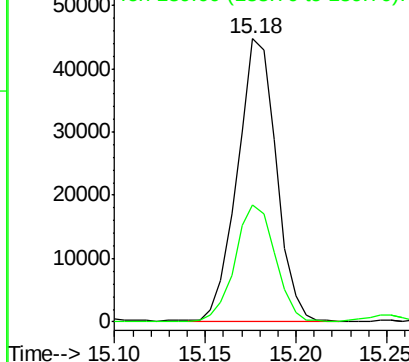
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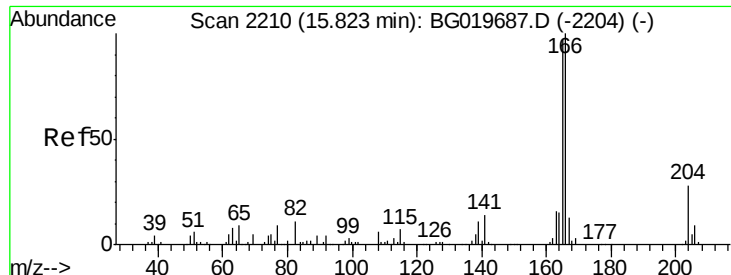
Acq: 18 Nov 2015 4:39

Tgt Ion:	168	Resp:	66828
Ion Ratio	Lower	Upper	
168	100		
139	41.2	34.7	52.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





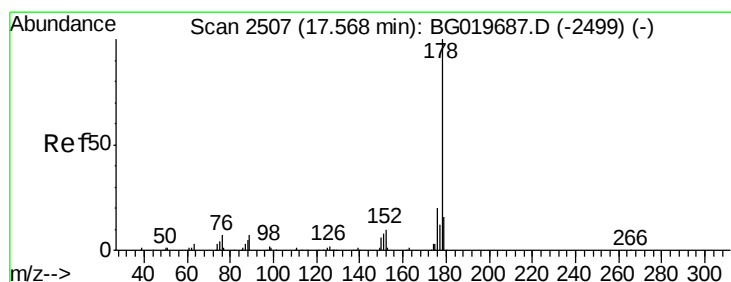
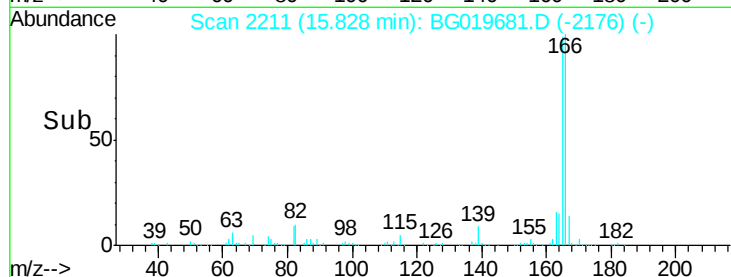
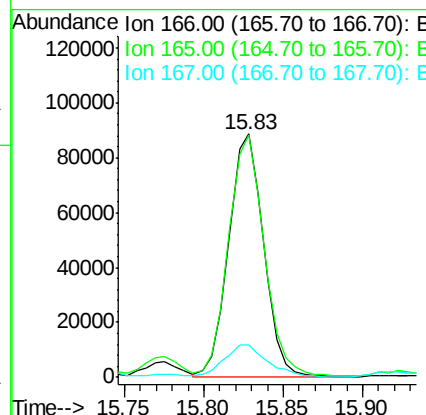
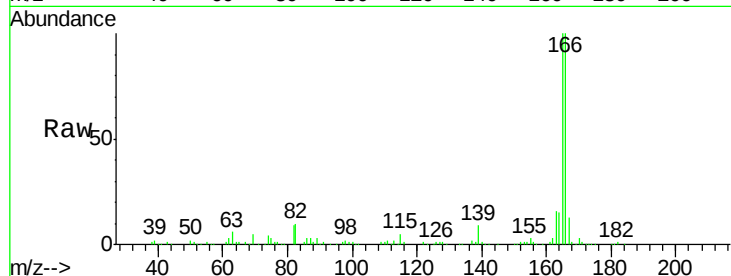
#59
Fluorene
 Concen: 14.43 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	134674		
165	99.6	81.4	122.2	
167	13.5	11.1	16.7	

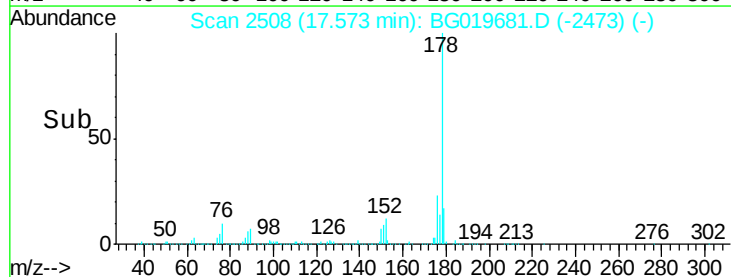
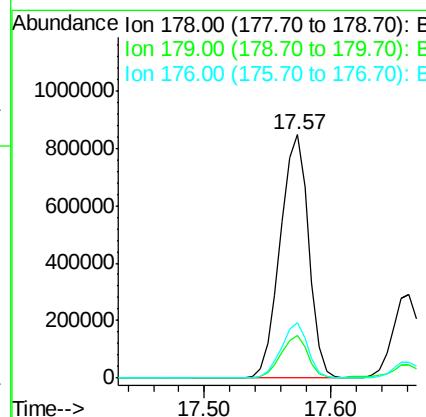
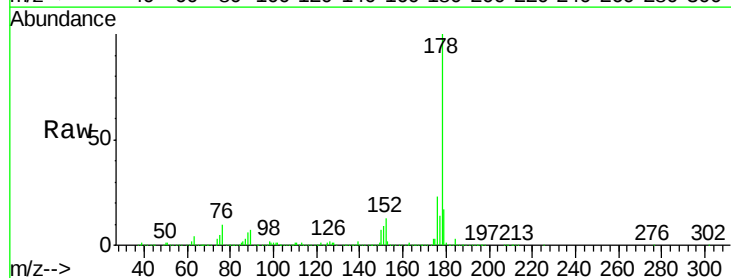
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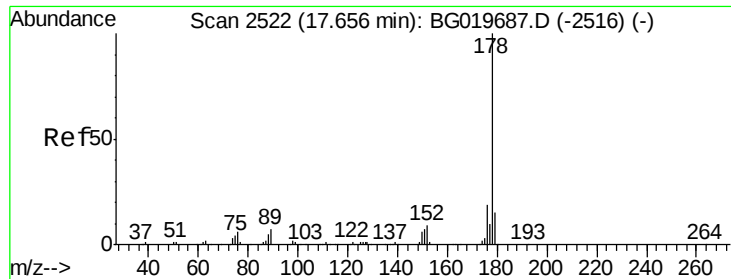
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#70
Phenanthrene
 Concen: 88.01 ng/ul
 RT: 17.57 min Scan# 2508
 Delta R.T. 0.01 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1317606		
179	17.5	12.2	18.2	
176	22.7	16.6	24.8	





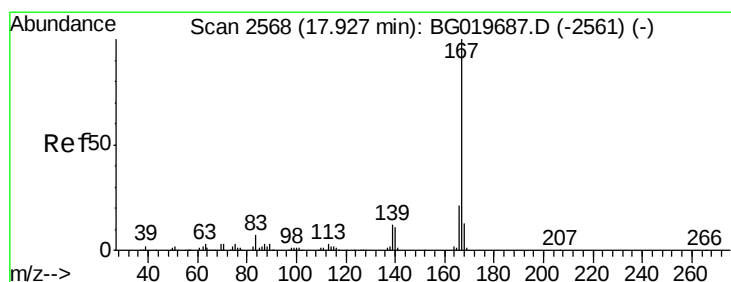
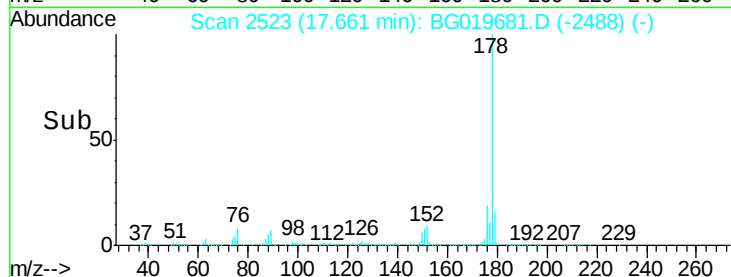
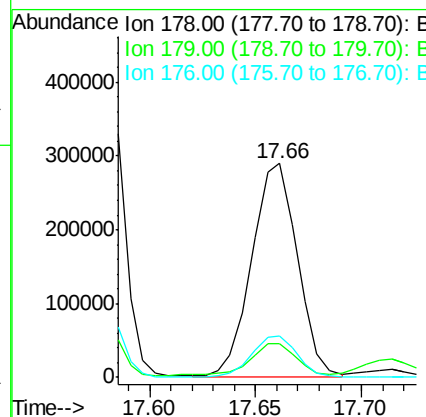
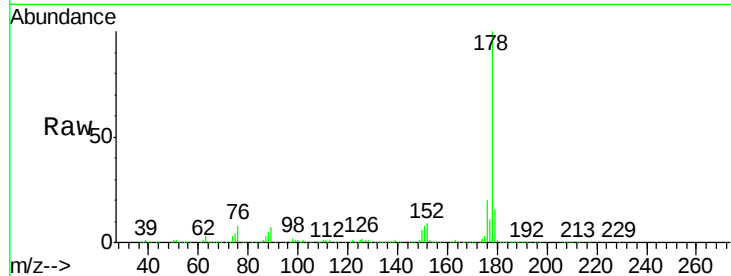
#72
 Anthracene
 Concen: 28.78 ng/ul
 RT: 17.66 min Scan# 2523
 Delta R.T. 0.01 min
 Lab File: BG019681.D
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 BC7D1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.5	15.0	22.4

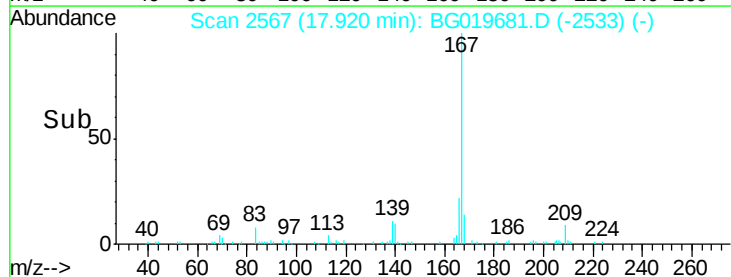
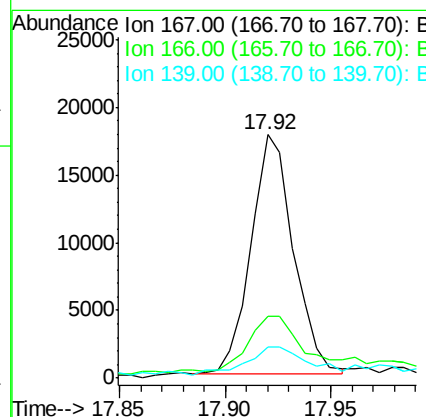
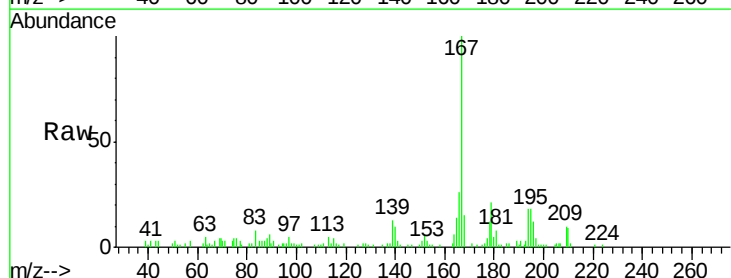
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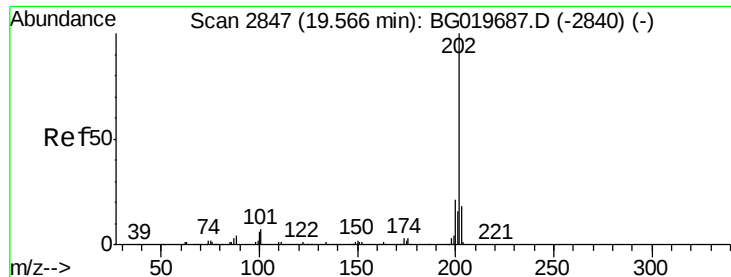
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#75
 Carbazole
 Concen: 2.05 ng/ul
 RT: 17.92 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.1	27.1
139	12.7	9.8	14.6





#77

Fluoranthene

Concen: 130.89 ng/ul m

RT: 19.58 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

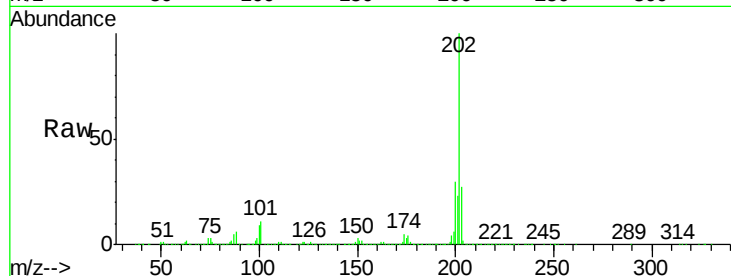
ClientSampleId :

BC7D1

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	11.1	5.2	7.8#	
100	9.3	5.0	7.4#	

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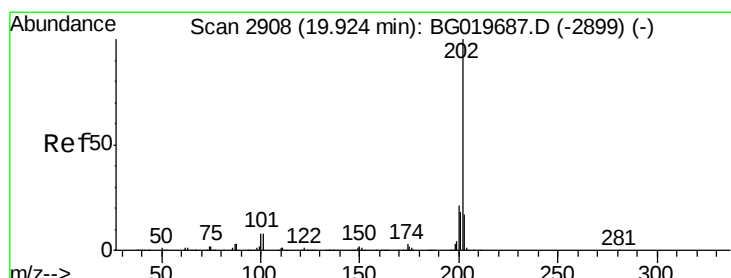
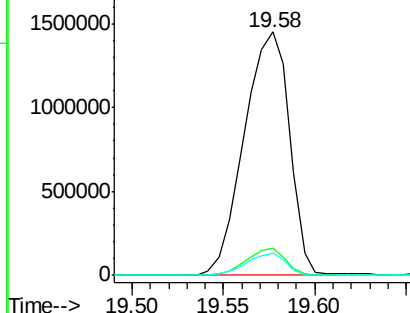
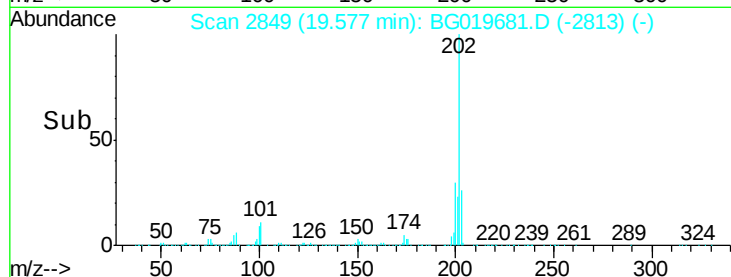


Abundance Ion 202.00 (201.70 to 202.70): E

2000000

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 108.11 ng/ul

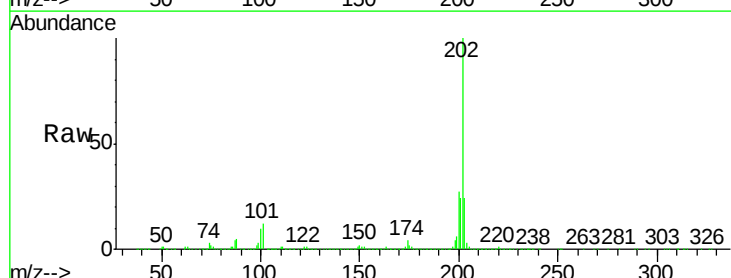
RT: 19.94 min Scan# 2910

Delta R.T. 0.01 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	12.2	7.0	10.6#	
100	10.2	6.6	10.0#	

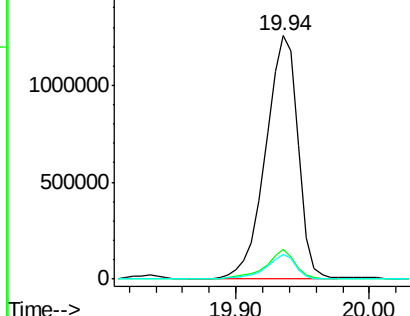
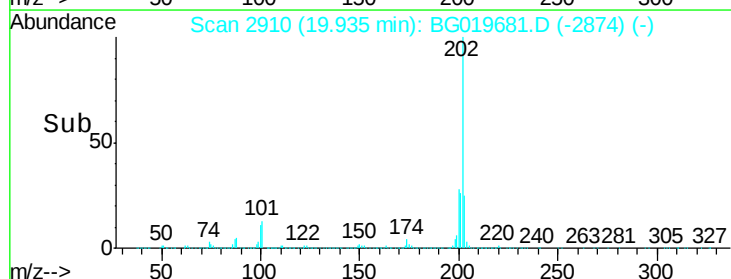


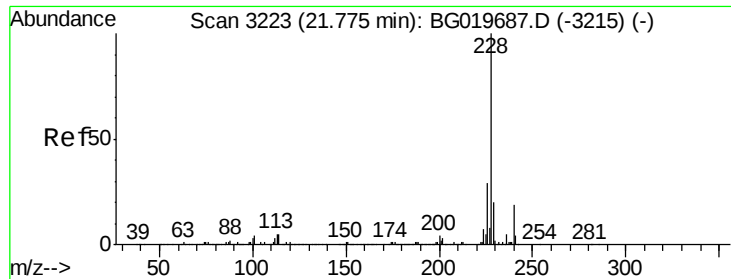
Abundance Ion 202.00 (201.70 to 202.70): E

1500000

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





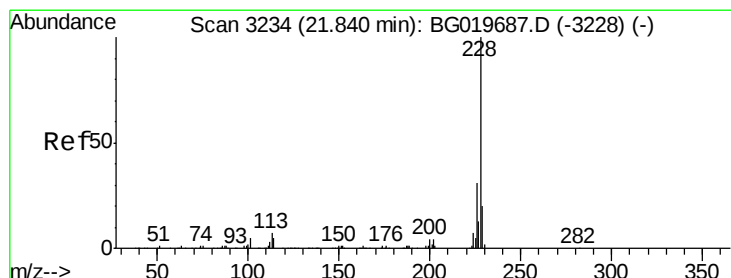
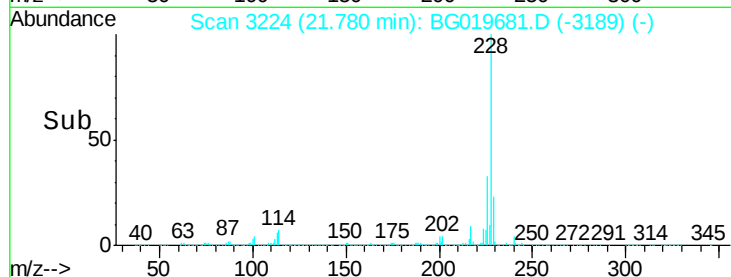
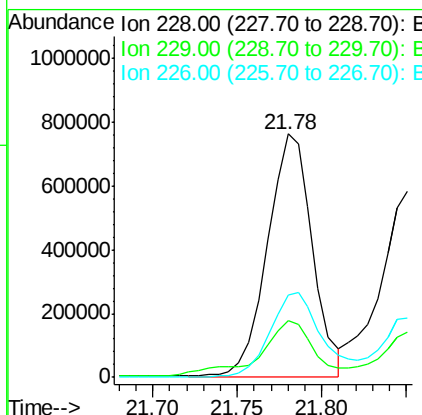
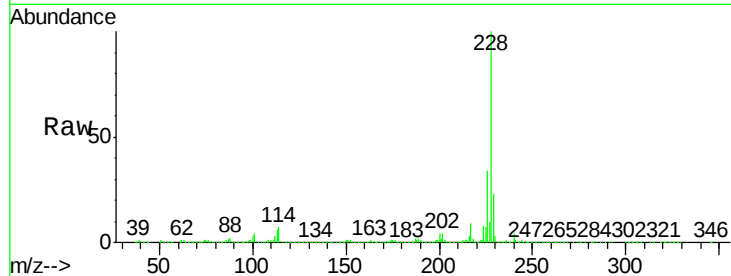
#83
Benzo(a)anthracene
Concen: 68.98 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.3	15.7	23.5
226	33.7	22.6	33.8

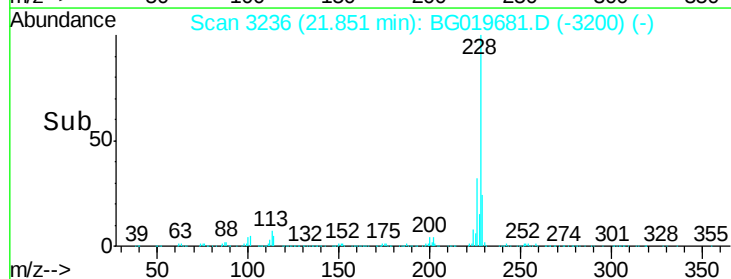
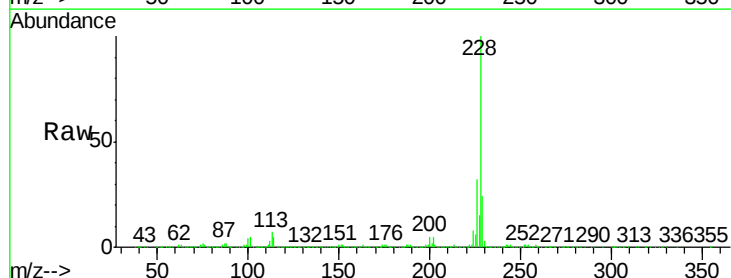
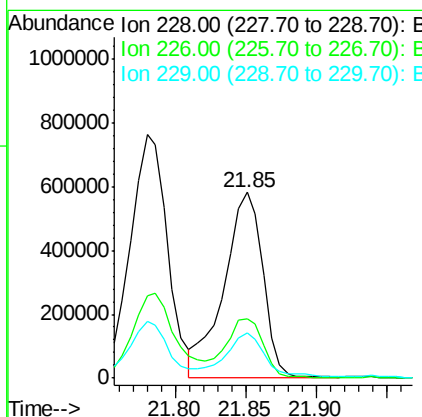
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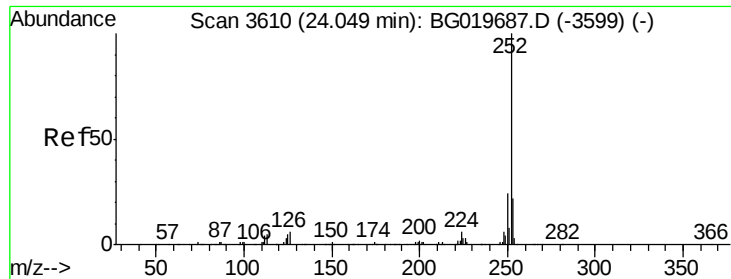
mohammad
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#85
Chrysene
Concen: 57.98 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	24.2	17.0	25.6





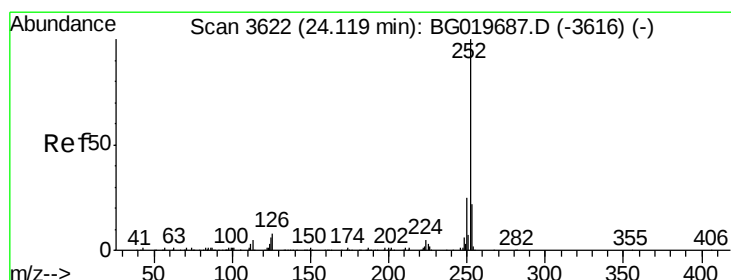
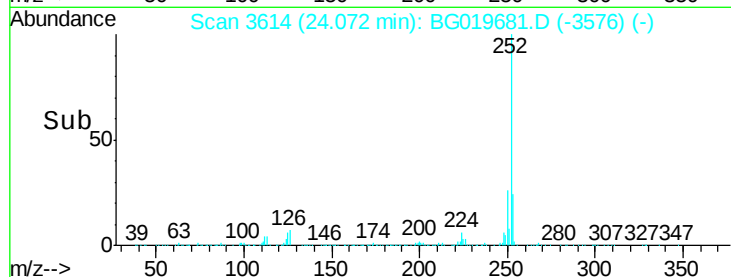
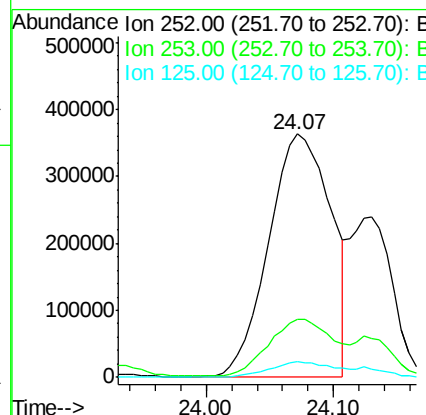
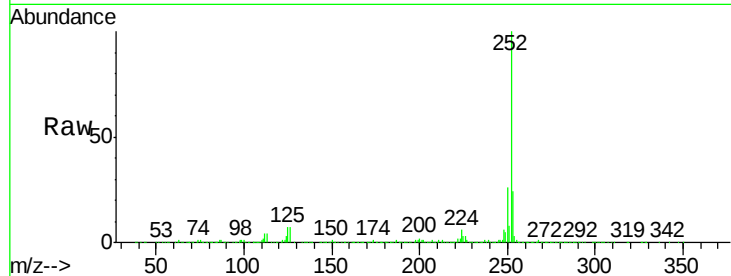
#88
Benzo(b)fluoranthene
Concen: 60.55 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. 0.02 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	6.5	4.2	6.4

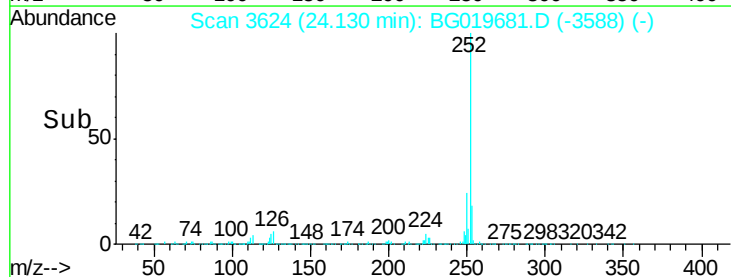
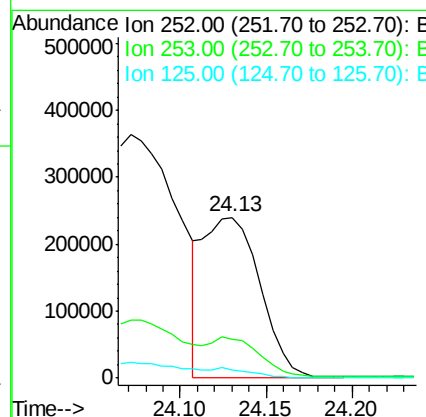
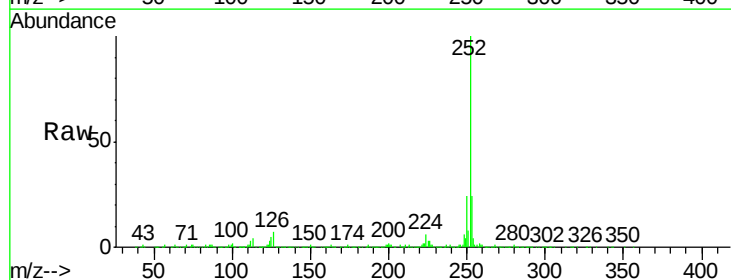
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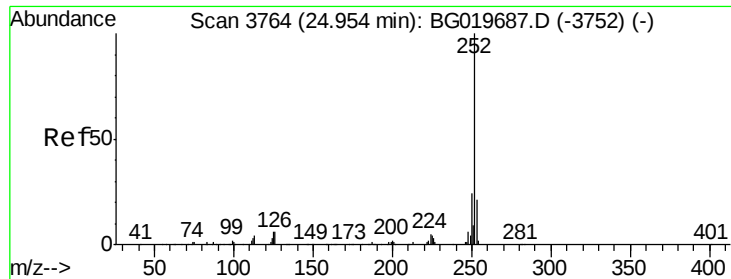
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#89
Benzo(k)fluoranthene
Concen: 28.36 ng/ul m
RT: 24.13 min Scan# 3624
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	5.2	4.4	6.6





#91

Benzo(a)pyrene

Concen: 54.51 ng/ul

RT: 24.98 min Scan# 3768

Delta R.T. 0.03 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

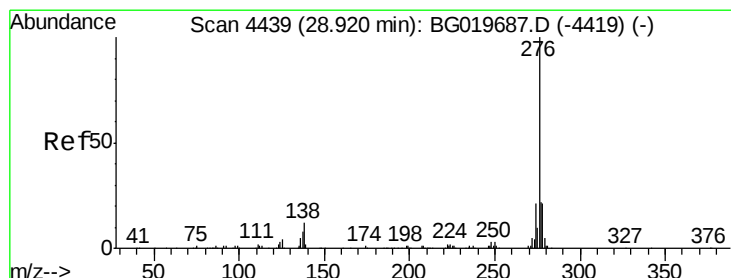
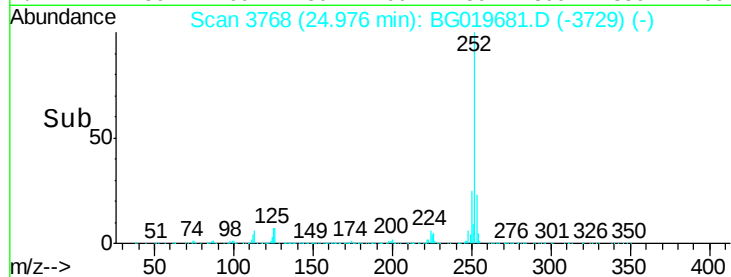
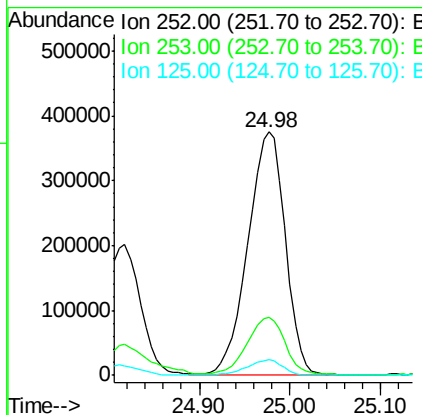
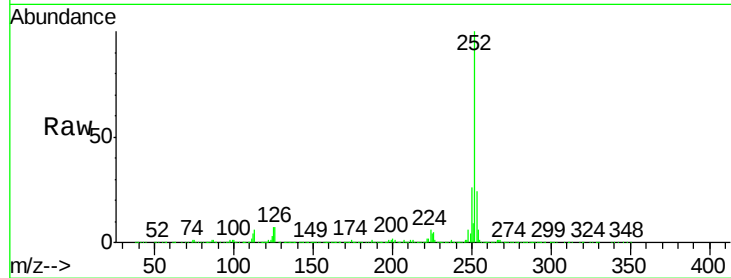
ClientSampled :

BC7D1

Tgt Ion:	252	Resp:	1068475
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.9	25.3
125	6.6	5.4	8.0

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#92

Indeno(1,2,3-cd)pyrene

Concen: 27.43 ng/ul

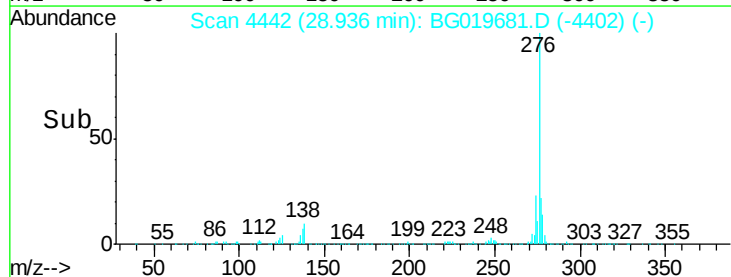
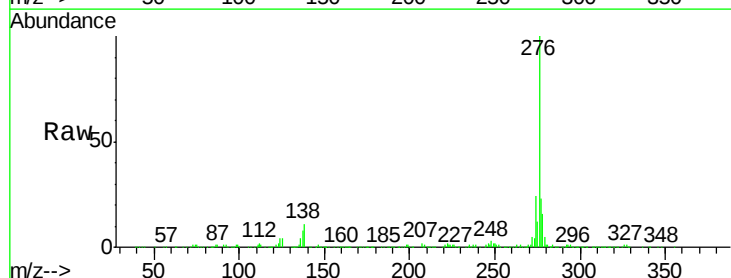
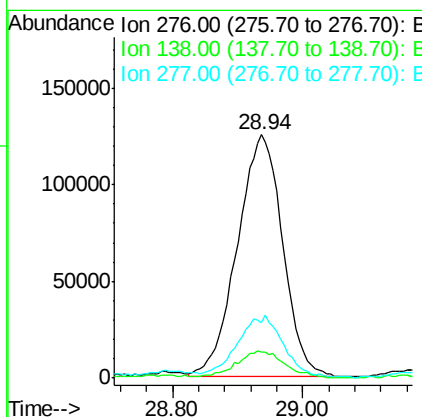
RT: 28.94 min Scan# 4442

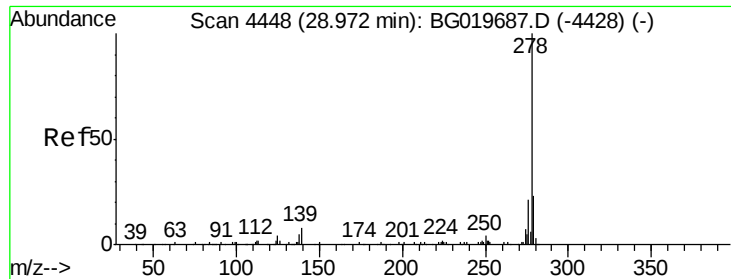
Delta R.T. 0.04 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt Ion:	276	Resp:	601734
Ion Ratio	Lower	Upper	
276	100		
138	10.8	9.9	14.9
277	22.9	21.3	31.9





#93

Dibenzo(a,h)anthracene

Concen: 8.85 ng/ul m

RT: 28.97 min Scan# 4447

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

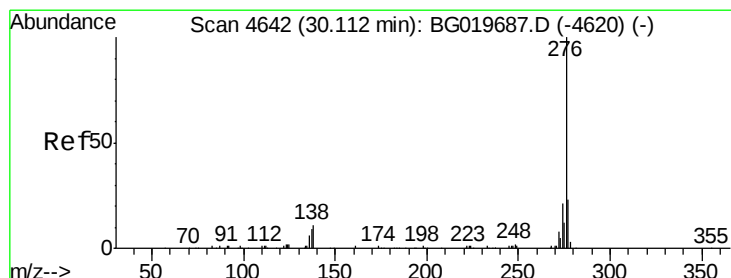
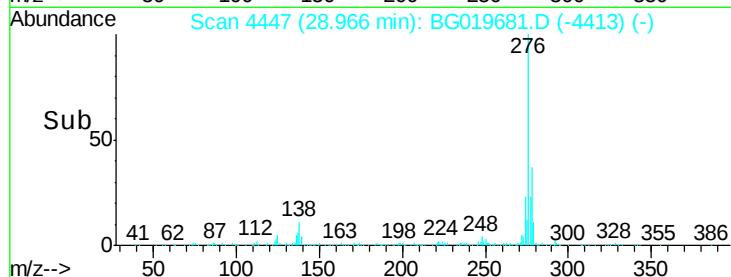
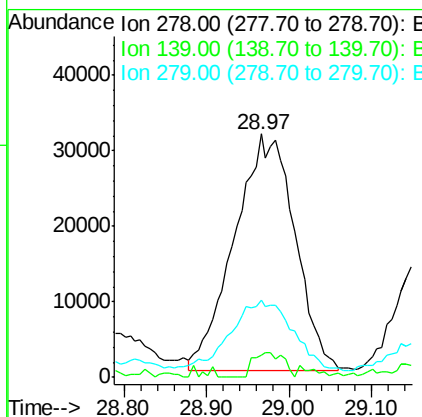
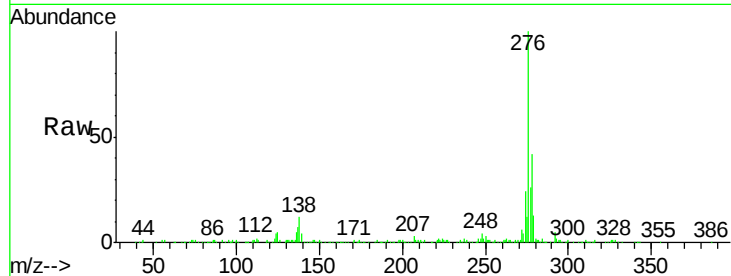
ClientSampleId :

BC7D1

Tgt Ion:	278	Resp:	159616
Ion Ratio	Lower	Upper	
278	100		
139	9.3	5.9	8.9#
279	31.5	18.2	27.2#

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#94

Benzo(g,h,i)perylene

Concen: 25.69 ng/ul

RT: 30.14 min Scan# 4646

Delta R.T. 0.04 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt Ion:	276	Resp:	467536
Ion Ratio	Lower	Upper	
276	100		
138	11.8	9.2	13.8
277	24.7	18.6	28.0

