

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019679.D
 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:19 AM

Quant Time: Nov 18 04:14:09 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	24928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	114568	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	100663	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	270239	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	335403	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	334304	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1989	3.41	ng/uL	0.00
5) Phenol-d5	7.29	99	51011	19.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	33309	19.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	30976	18.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	41518	19.64	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	17776	18.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	20714	19.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	41572	18.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	42547	19.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	162206	17.82	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	170769	17.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	22106	15.41	ng/ul	0.00
58) Fluorene-d10	15.77	176	143289	17.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	17120	9.81	ng/ul	0.00
71) Anthracene-d10	17.62	188	241742	18.42	ng/ul	0.00
79) Pyrene-d10	19.90	212	275219	18.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	321520	18.42	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.32	94	4521	1.64	ng/ul	97
28) Naphthalene	11.03	128	29937	4.84	ng/ul	98
45) Dimethylphthalate	14.22	163	123552	13.69	ng/ul	99
48) Acenaphthylene	14.51	152	24459	2.48	ng/ul	96
50) Acenaphthene	14.85	153	21925	3.25	ng/ul	97
54) Dibenzofuran	15.18	168	10662	1.08	ng/ul	97
59) Fluorene	15.83	166	25251	2.92	ng/ul#	97
70) Phenanthrene	17.57	178	316974	21.92	ng/ul	99
72) Anthracene	17.66	178	115305	7.91	ng/ul	98
77) Fluoranthene	19.57	202	1314060m	71.29	ng/ul	
80) Pyrene	19.93	202	1088143	55.55	ng/ul	99
83) Benzo(a)anthracene	21.77	228	703445	34.60	ng/ul	96
85) Chrysene	21.84	228	543018	28.37	ng/ul	99
88) Benzo(b)fluoranthene	24.06	252	679762	33.00	ng/ul	99
89) Benzo(k)fluoranthene	24.12	252	222740m	11.21	ng/ul	
91) Benzo(a)pyrene	24.96	252	541725	27.32	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.92	276	306421	13.81	ng/ul	97
93) Dibenzo(a,h)anthracene	28.96	278	79402	4.35	ng/ul#	91
94) Benzo(g,h,i)perylene	30.11	276	233350	12.67	ng/ul	98

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

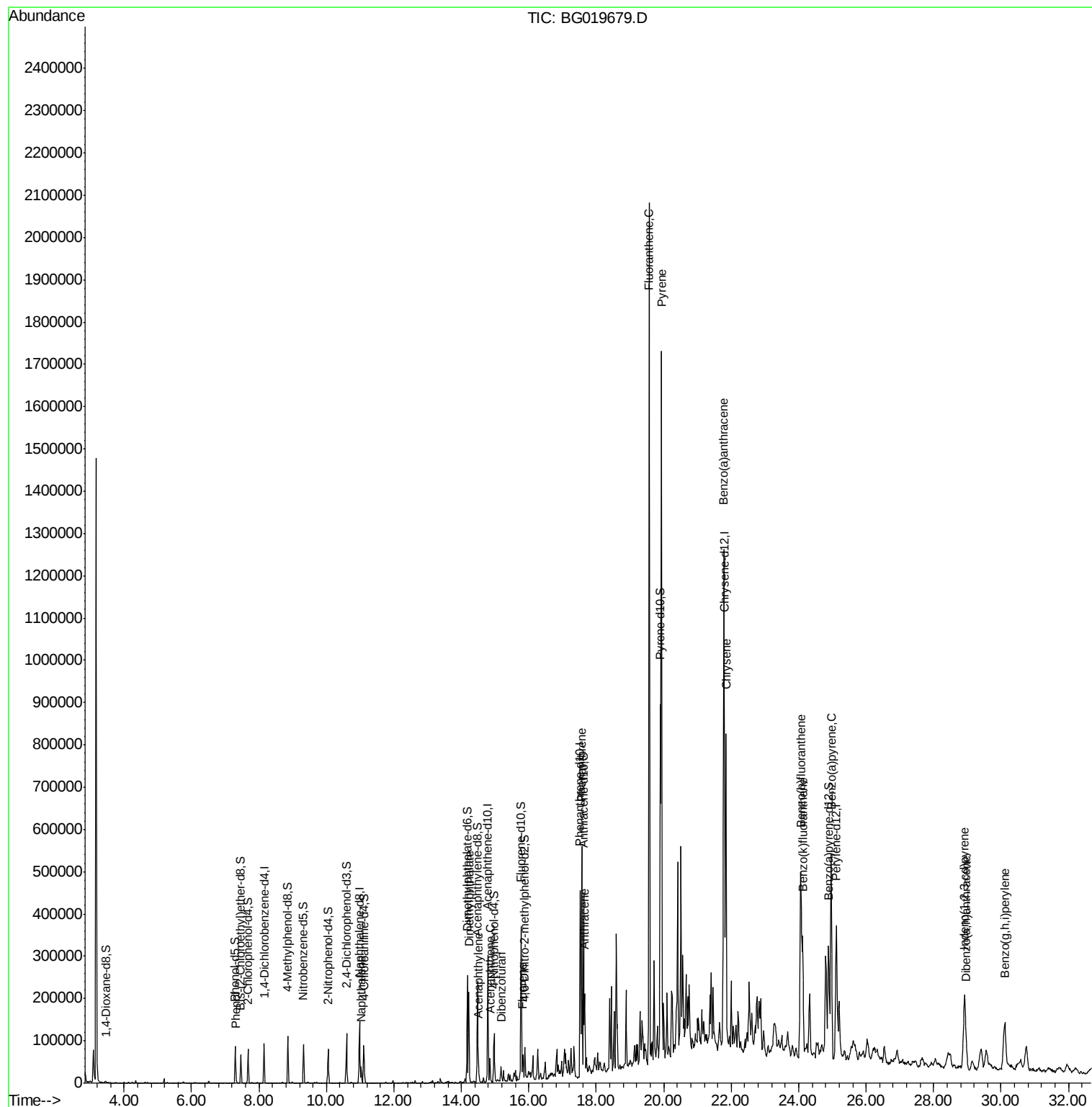
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

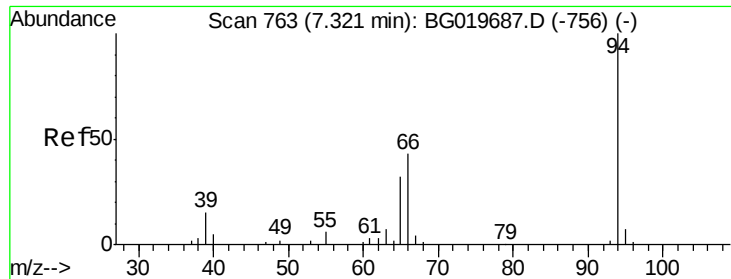
Instrument :
BNA_G
ClientSampleId :
BC7C9

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Quant Time: Nov 18 04:14:09 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





#6

Phenol

Concen: 1.64 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Instrument :

BNA_G

ClientSampleId :

BC7C9

Tot Ion: 94 Resp: 4521

Ion Ratio Lower Upper

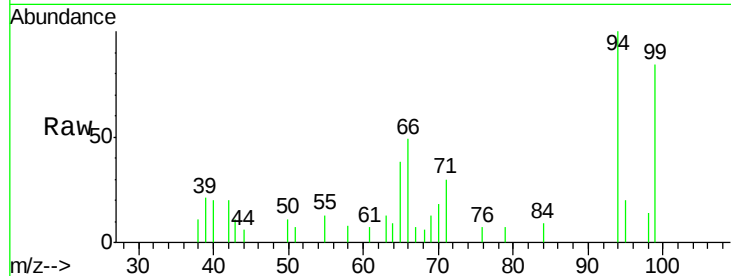
94 100

65 37.7 27.4 41.0

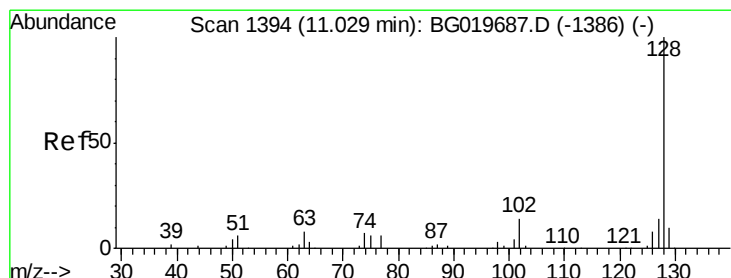
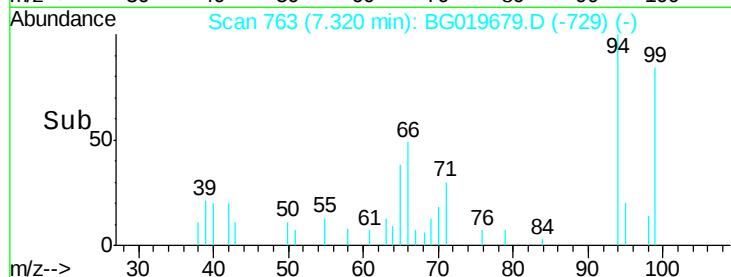
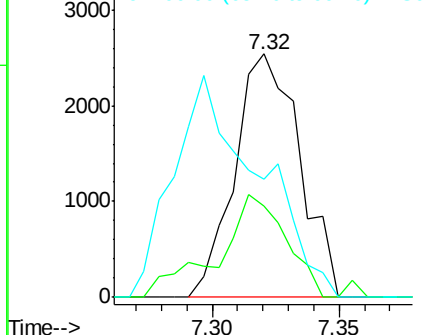
66 48.7 39.0 58.6

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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 4.84 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

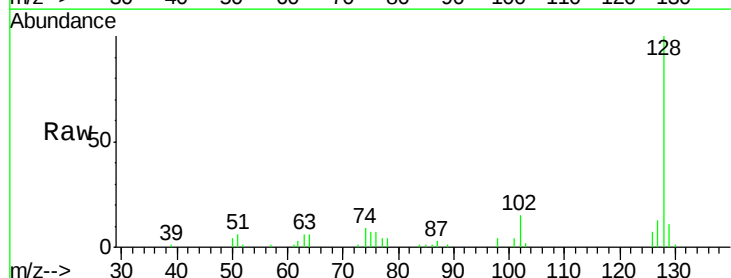
Tgt Ion: 128 Resp: 29937

Ion Ratio Lower Upper

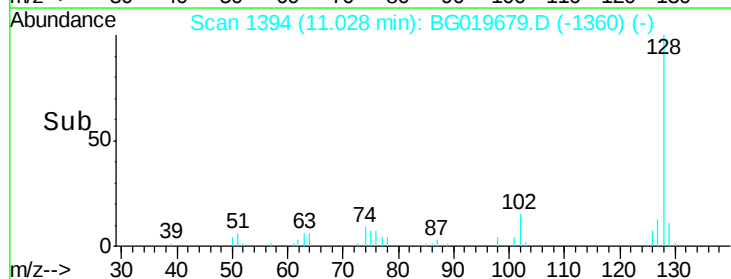
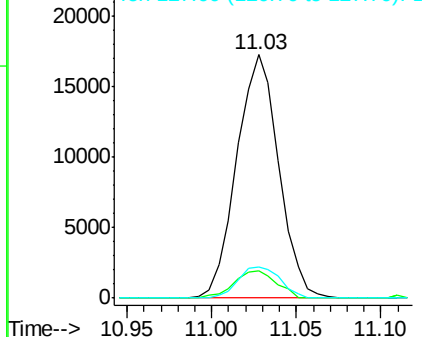
128 100

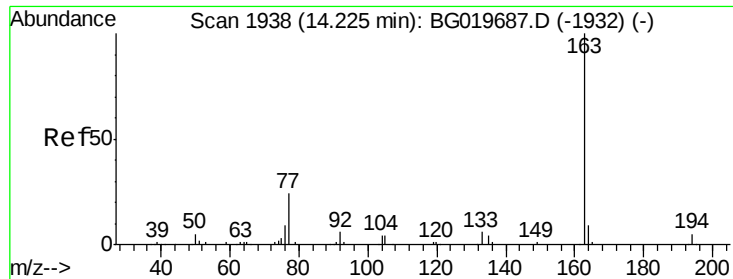
129 11.4 8.1 12.1

127 12.8 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





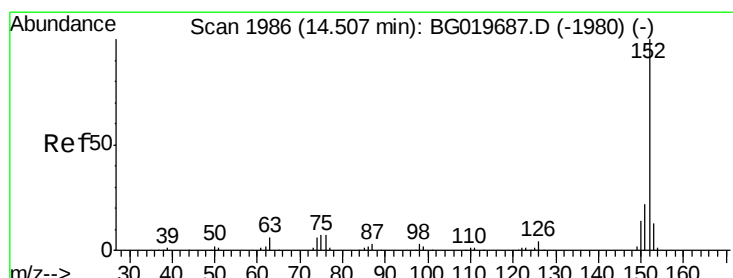
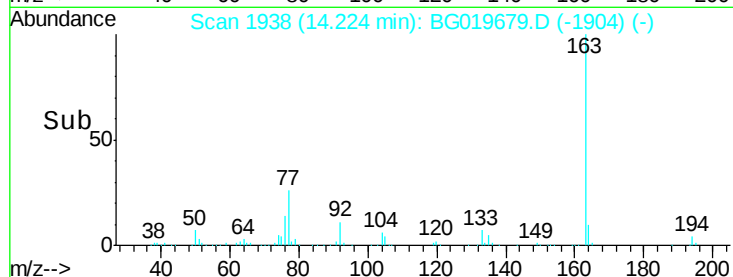
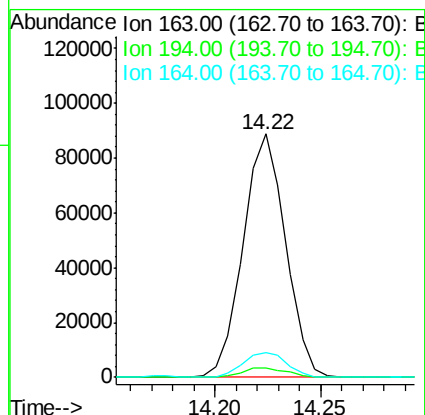
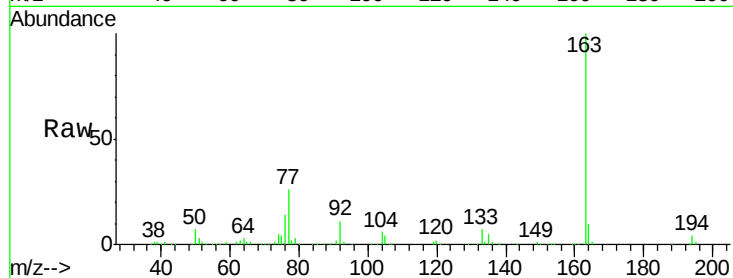
#45
Dimethylphthalate
Concen: 13.69 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG019679.D
Acq: 18 Nov 2015 3:23

Instrument :
BNA_G
ClientSampleId :
BC7C9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
123552	163	100			
	194	4.0	3.5	5.3	
	164	9.9	8.3	12.5	

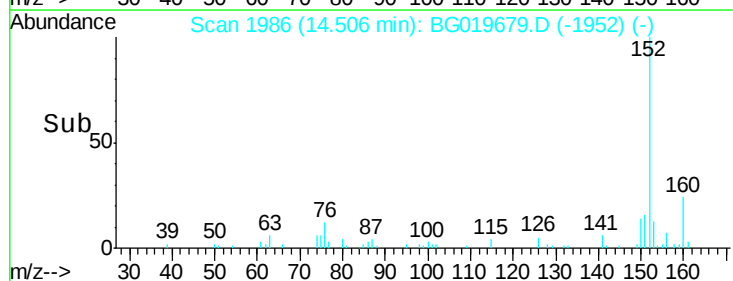
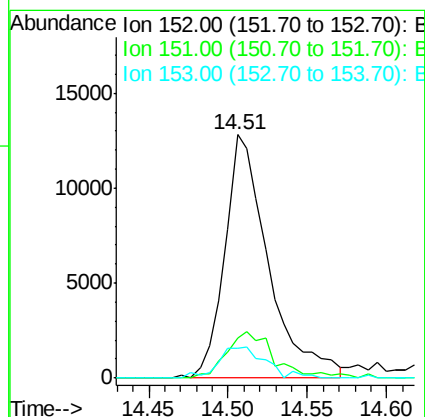
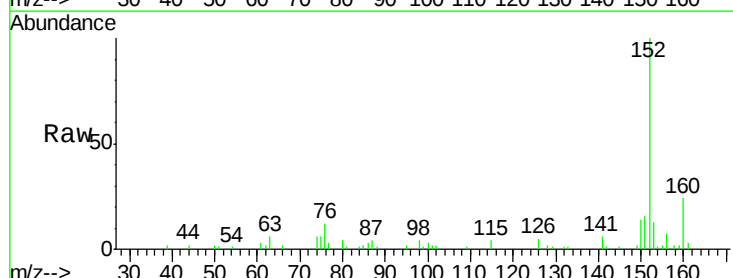
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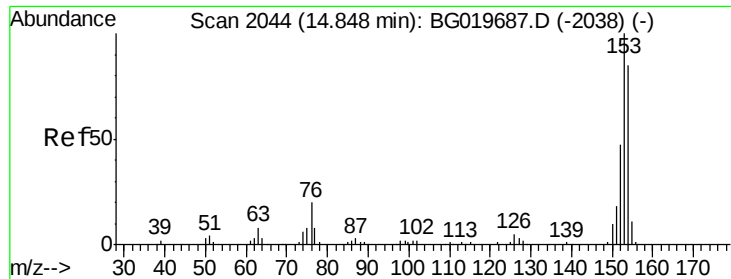
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#48
Acenaphthylene
Concen: 2.48 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG019679.D
Acq: 18 Nov 2015 3:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
24459	152	100			
	151	16.3	15.1	22.7	
	153	12.5	9.8	14.8	





#50

Acenaphthene

Concen: 3.25 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Instrument :

BNA_G

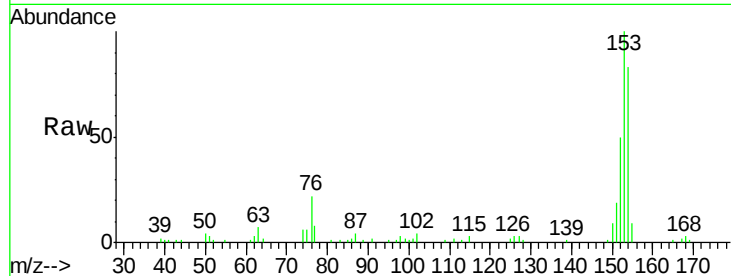
ClientSampleId :

BC7C9

Tot Ion:	153	Resp:	21925
Ion Ratio	Lower	Upper	
153	100		
152	50.2	40.9	61.3
154	82.9	69.1	103.7

Manual Integrations
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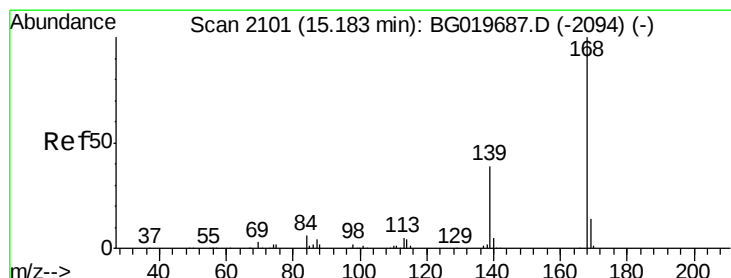
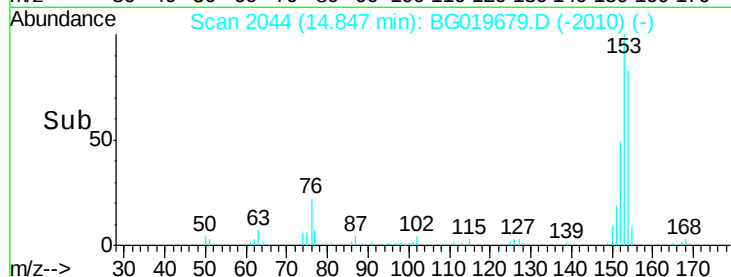
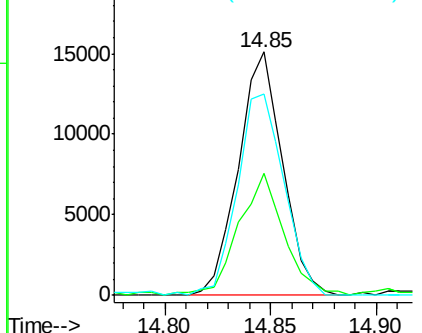
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.08 ng/ul

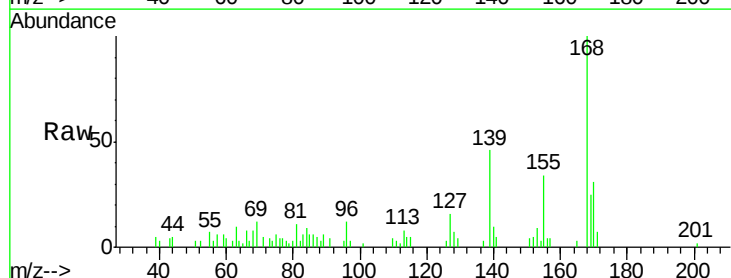
RT: 15.18 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BG019679.D

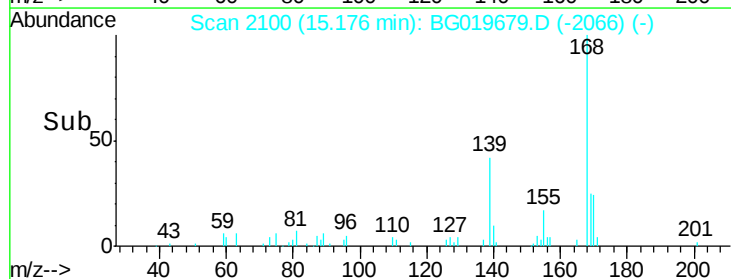
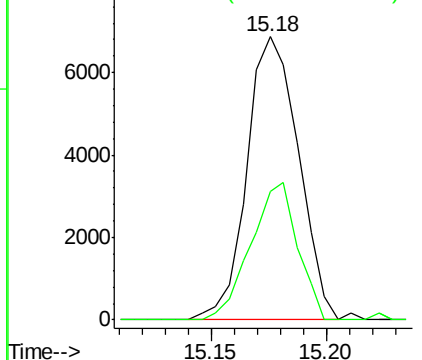
Acq: 18 Nov 2015 3:23

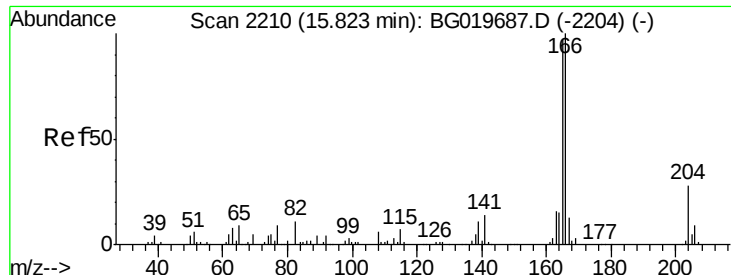
Tgt Ion:	168	Resp:	10662
Ion Ratio	Lower	Upper	
168	100		
139	45.5	34.7	52.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





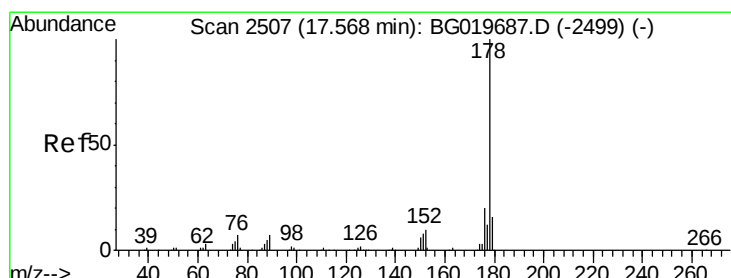
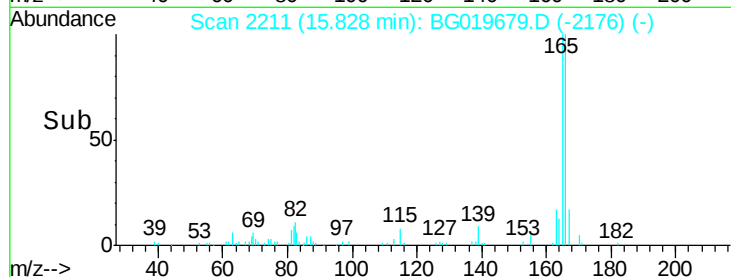
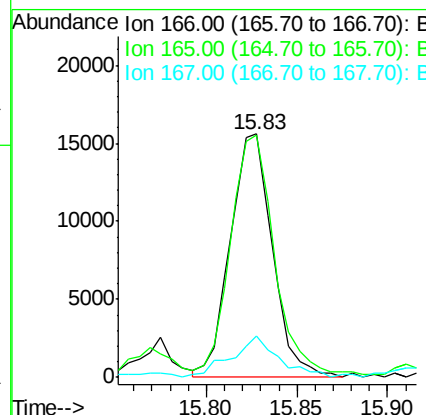
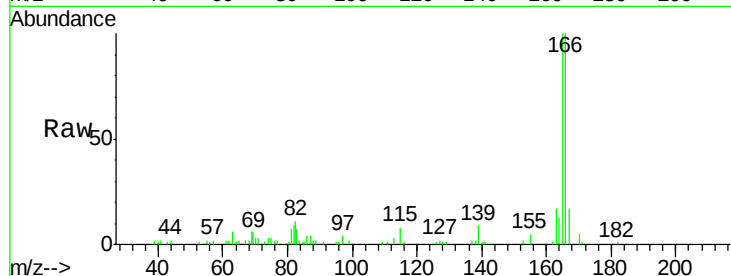
#59
 Fluorene
 Concen: 2.92 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: BG019679.D
 Acq: 18 Nov 2015 3:23

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Tot Ion	Ratio	Resp	Lower	Upper
166	100	25251		
165	99.7	81.4	122.2	
167	16.8	11.1	16.7#	

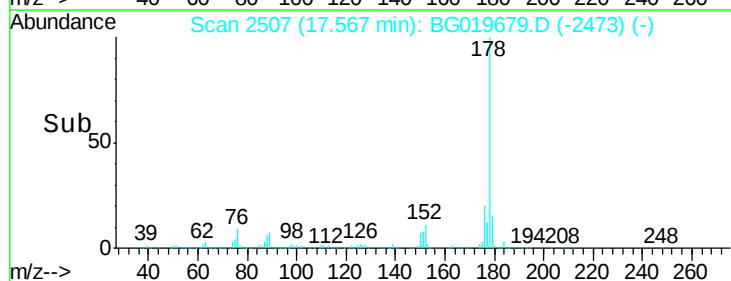
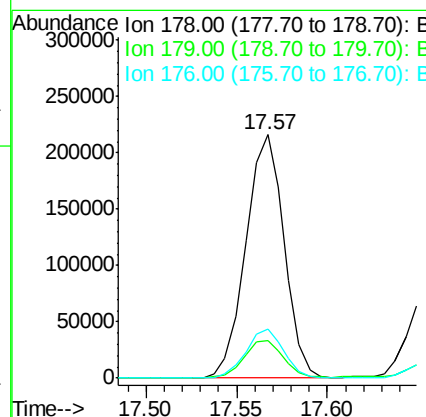
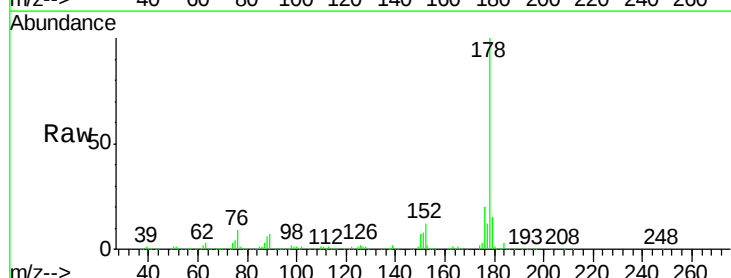
Manual Integrations
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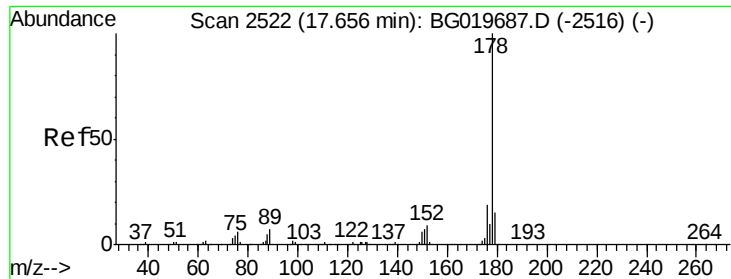
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#70
 Phenanthrene
 Concen: 21.92 ng/ul
 RT: 17.57 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BG019679.D
 Acq: 18 Nov 2015 3:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	316974		
179	15.5	12.2	18.2	
176	20.3	16.6	24.8	





#72

Anthracene

Concen: 7.91 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. -0.00 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Instrument :

BNA_G

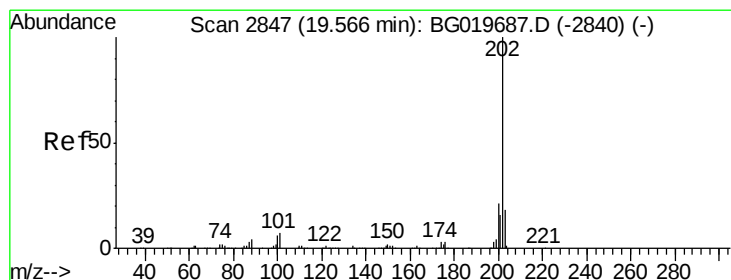
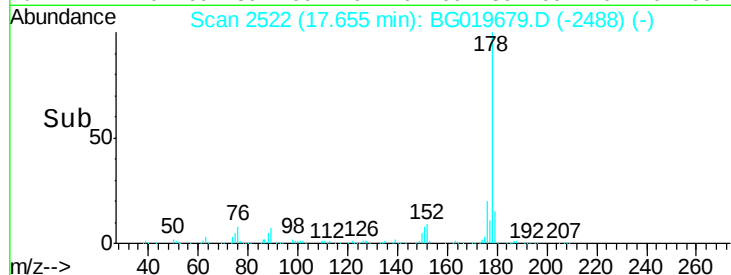
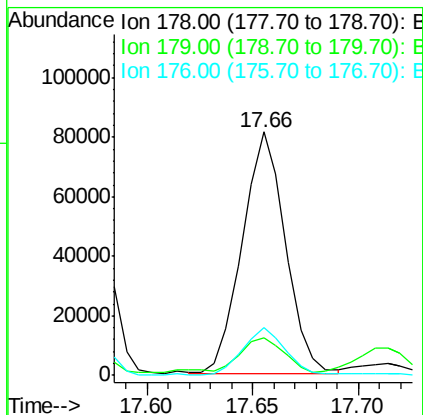
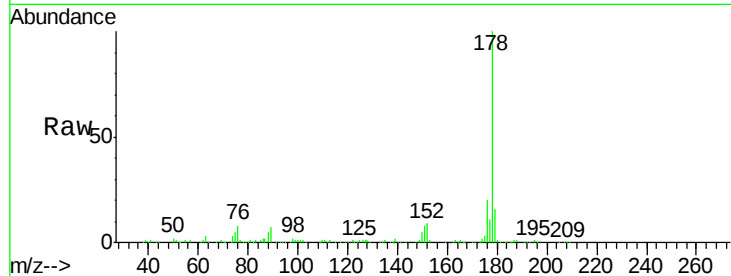
ClientSampleId :

BC7C9

Tot Ion:	178	Resp:	115305
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	19.0
176	19.7	15.0	22.4

Manual Integrations
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#77

Fluoranthene

Concen: 71.29 ng/ul m

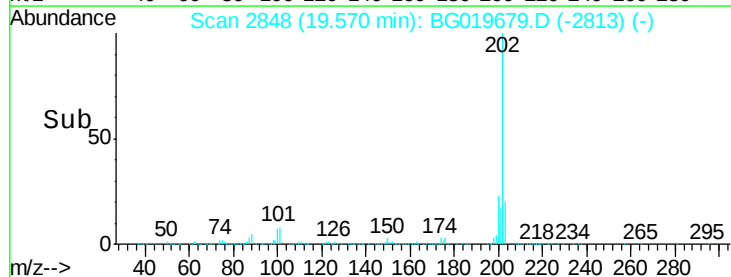
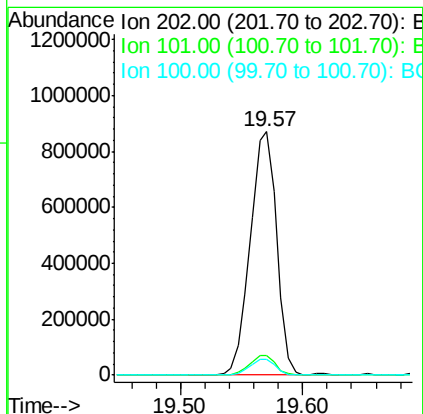
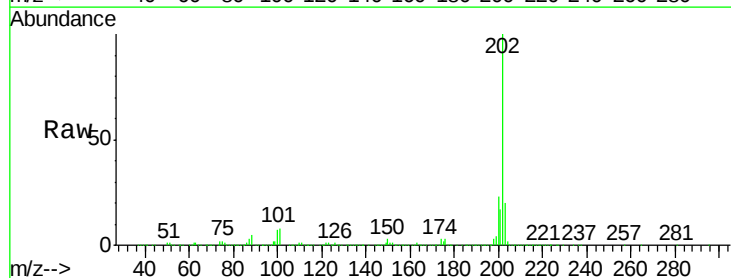
RT: 19.57 min Scan# 2848

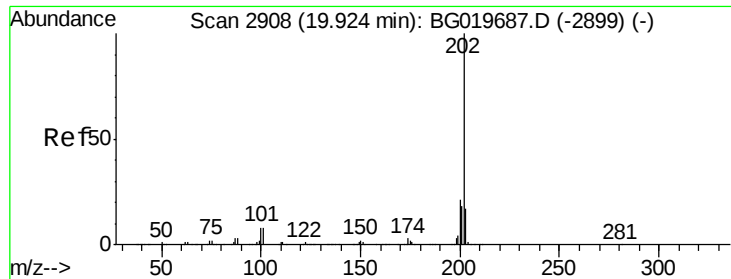
Delta R.T. 0.01 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Tgt Ion:	202	Resp:	1314060
Ion Ratio	Lower	Upper	
202	100		
101	8.0	5.2	7.8#
100	6.6	5.0	7.4





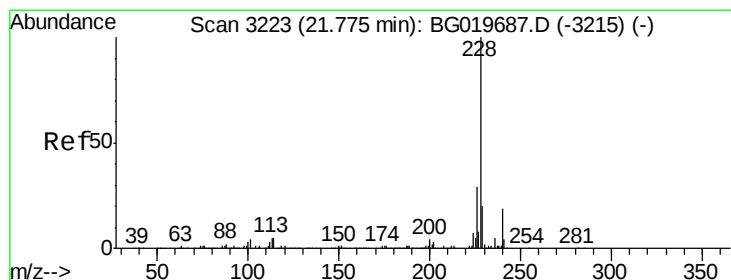
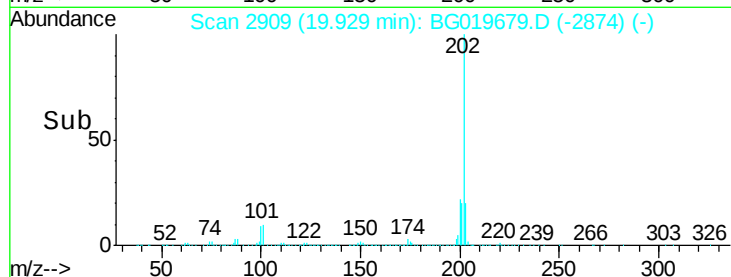
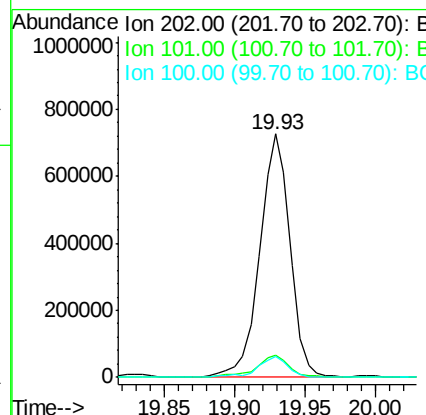
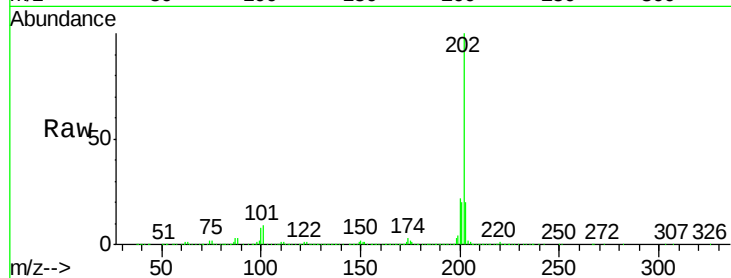
#80
Pvrene
Concen: 55.55 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019679.D
Acq: 18 Nov 2015 3:23

Instrument :
BNA_G
ClientSampleId :
BC7C9

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.0	10.6
100	8.5	6.6	10.0

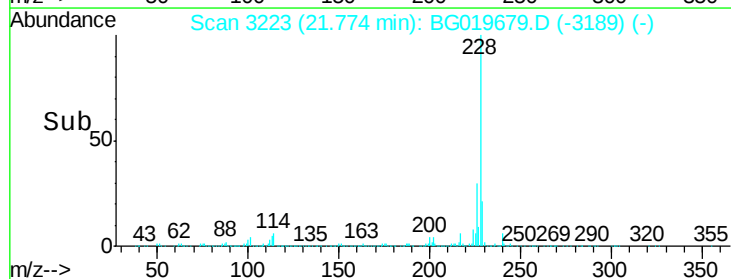
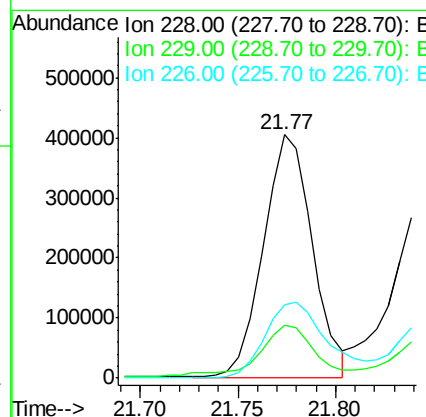
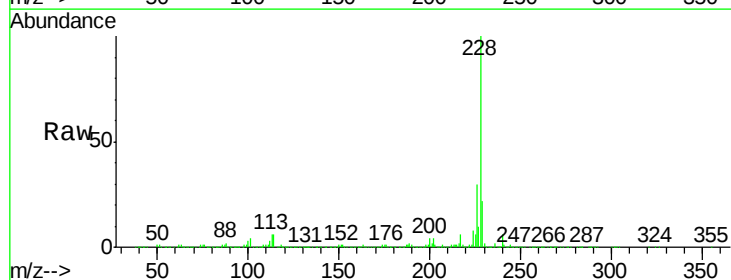
Manual Integrations
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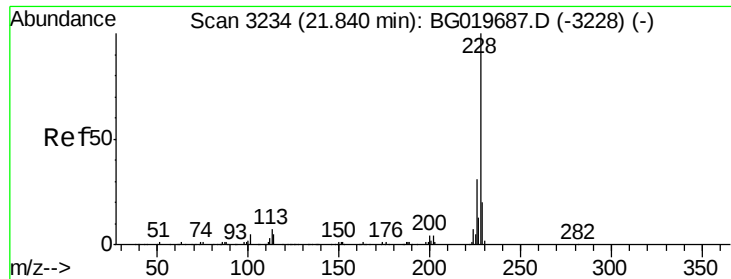
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#83
Benzo(a)anthracene
Concen: 34.60 ng/ul
RT: 21.77 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BG019679.D
Acq: 18 Nov 2015 3:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.7	23.5
226	30.3	22.6	33.8





#85

Chrysene

Concen: 28.37 ng/ul

RT: 21.84 min Scan# 3235

Delta R.T. 0.01 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Instrument :

BNA_G

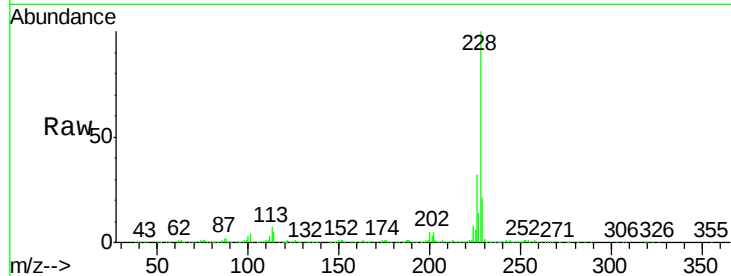
ClientSampleId :

BC7C9

Tot Ion:	228	Resp:	543018
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.9	37.3
229	21.4	17.0	25.6

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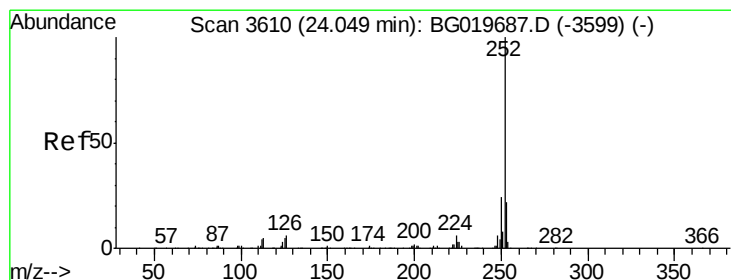
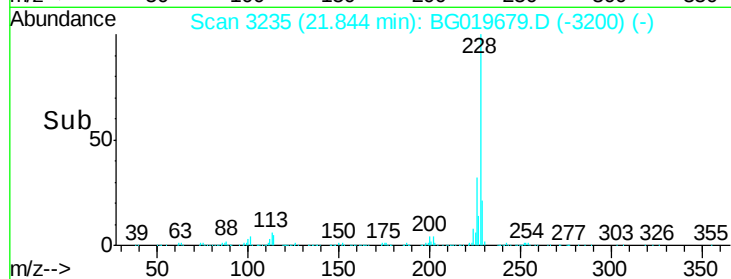
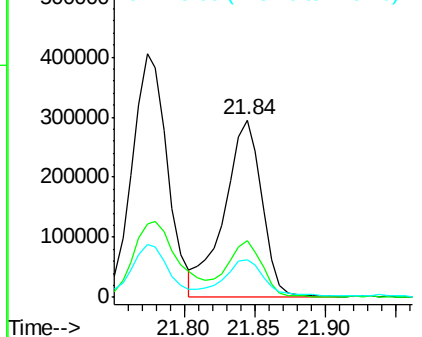
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 33.00 ng/ul

RT: 24.06 min Scan# 3612

Delta R.T. 0.01 min

Lab File: BG019679.D

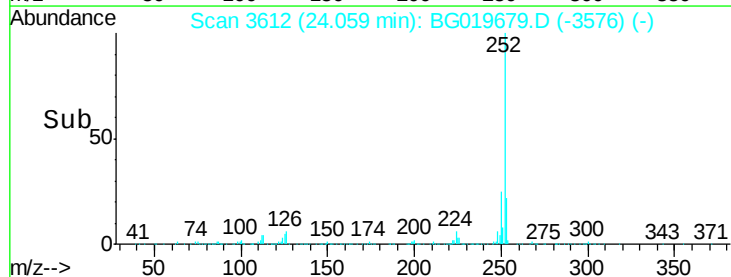
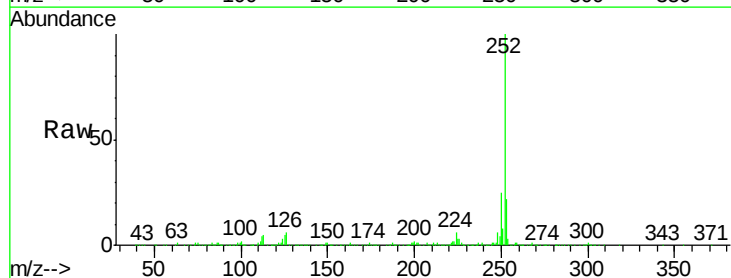
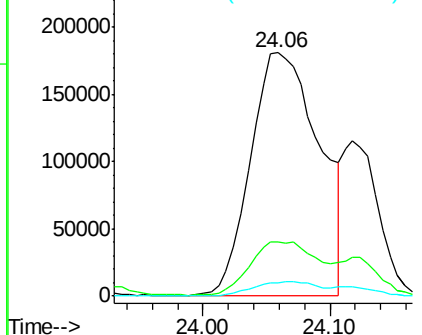
Acq: 18 Nov 2015 3:23

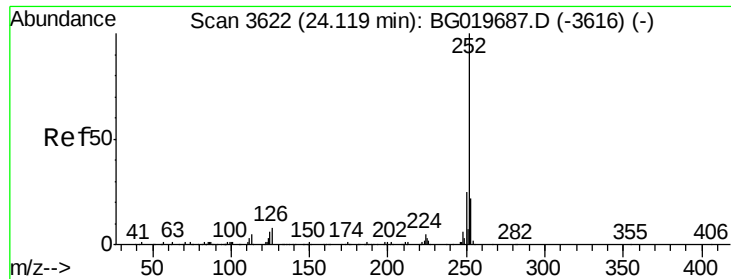
Tgt Ion:	252	Resp:	679762
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	5.5	4.2	6.4

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





#89

Benzo(k)fluoranthene

Concen: 11.21 ng/ul m

RT: 24.12 min Scan# 3622

Delta R.T. -0.00 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Instrument :

BNA_G

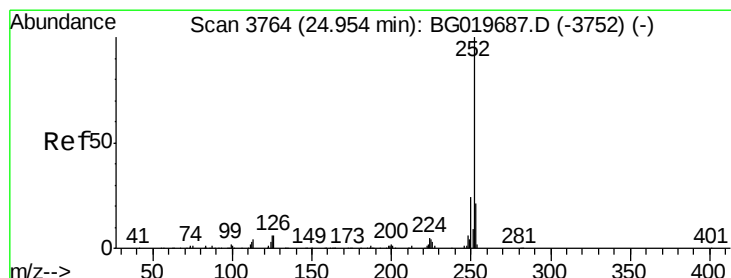
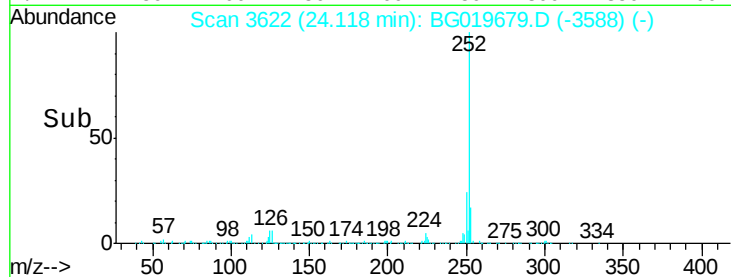
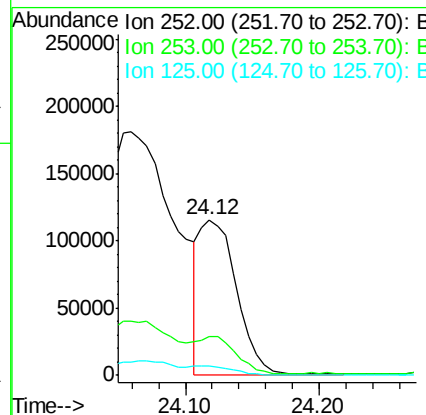
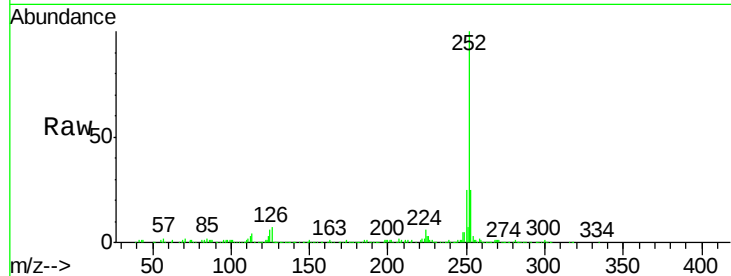
ClientSampleId :

BC7C9

Tot Ion:	252	Resp:	222740
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.1	25.7
125	5.8	4.4	6.6

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#91

Benzo(a)pyrene

Concen: 27.32 ng/ul

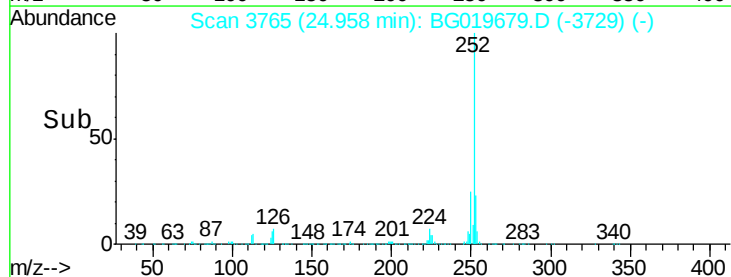
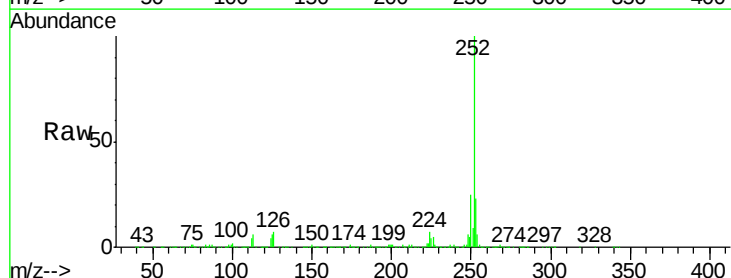
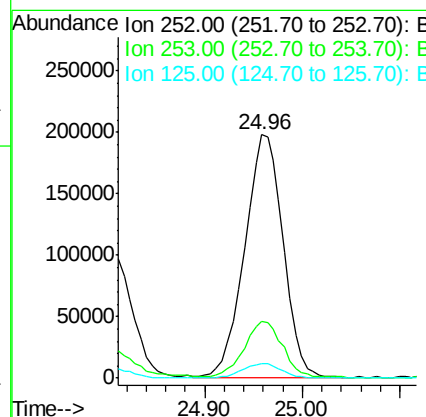
RT: 24.96 min Scan# 3765

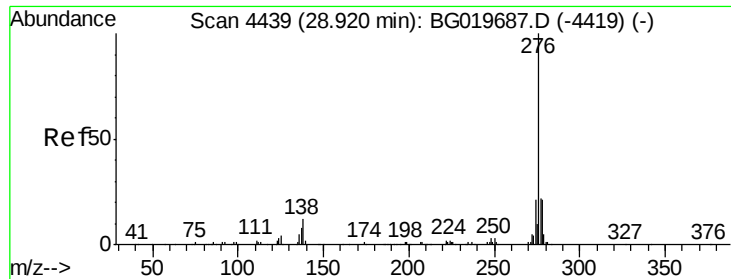
Delta R.T. 0.01 min

Lab File: BG019679.D

Acq: 18 Nov 2015 3:23

Tgt Ion:	252	Resp:	541725
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.9	25.3
125	5.8	5.4	8.0





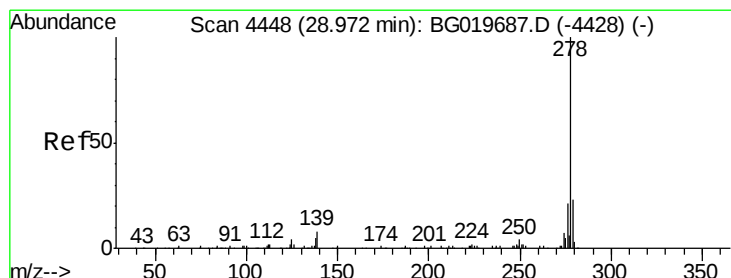
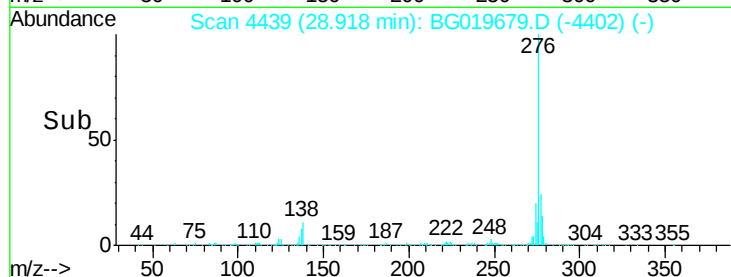
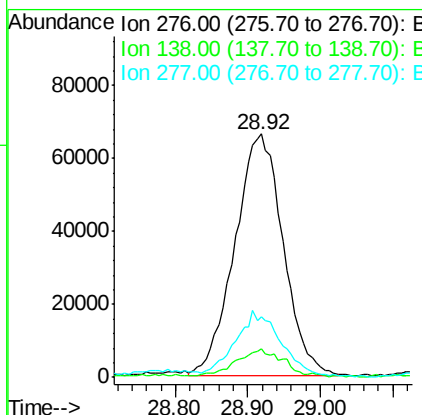
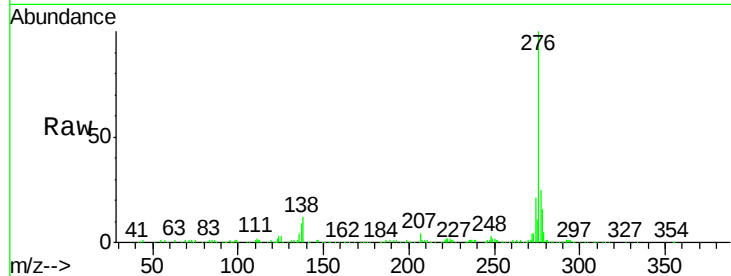
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 13.81 ng/ul
 RT: 28.92 min Scan# 4439
 Delta R.T. 0.02 min
 Lab File: BG019679.D
 Acq: 18 Nov 2015 3:23

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.7	9.9	14.9
277	24.9	21.3	31.9

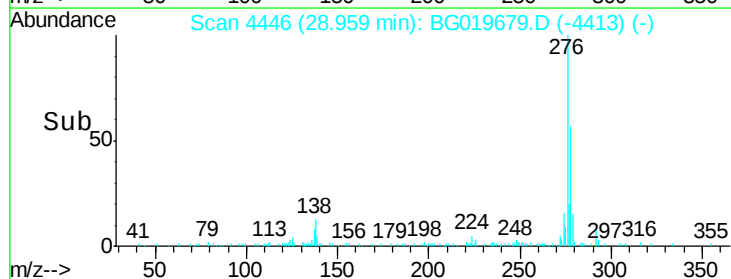
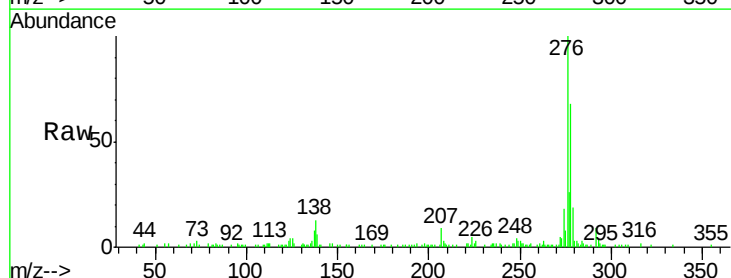
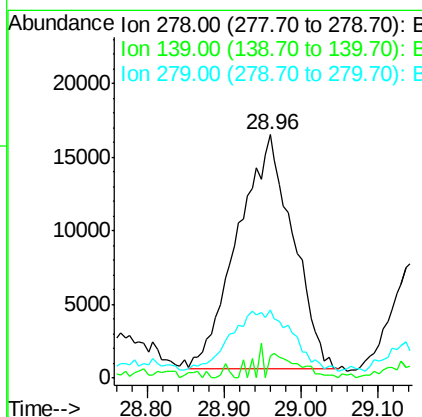
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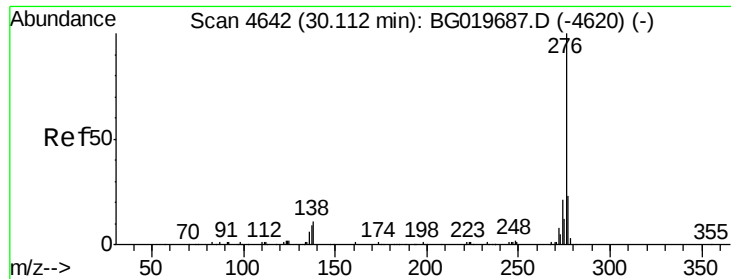
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#93
 Dibenzo(a,h)anthracene
 Concen: 4.35 ng/ul
 RT: 28.96 min Scan# 4446
 Delta R.T. -0.01 min
 Lab File: BG019679.D
 Acq: 18 Nov 2015 3:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.9	5.9	8.9
279	28.0	18.2	27.2#





#94
 Benzo(a,h,i)perylene
 Concen: 12.67 ng/ul
 RT: 30.11 min Scan# 4642
 Delta R.T. 0.02 min
 Lab File: BG019679.D
 Acq: 18 Nov 2015 3:23

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	13.2	9.2	13.8		
277	22.9	18.6	28.0		

Manual Integrations
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