

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019680.D
 Acq On : 18 Nov 2015 4:01
 Operator : UM/NP
 Sample : G4427-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7D0

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:22 AM

Quant Time: Nov 18 18:25:52 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	27211	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	112786	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	98505	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	271230	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	336036	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	327654	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1862	2.92	ng/uL	0.00
5) Phenol-d5	7.29	99	42525	15.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	30519	16.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	28465	15.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	36379	15.76	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	16234	17.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	17692	16.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	37435	16.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	37586	17.57	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	148909	16.71	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	146814	15.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.96	143	19763	14.08	ng/ul	0.00
58) Fluorene-d10	15.77	176	128505	16.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	12149	6.93	ng/ul	0.00
71) Anthracene-d10	17.62	188	212483	16.14	ng/ul	0.00
79) Pyrene-d10	19.89	212	219813	14.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	242821	14.20	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.03	128	23315	3.83	ng/ul#	96
45) Dimethylphthalate	14.22	163	100524	11.38	ng/ul	98
48) Acenaphthylene	14.51	152	18953	1.97	ng/ul	93
50) Acenaphthene	14.85	153	45433	6.89	ng/ul	99
54) Dibenzofuran	15.18	168	17237	1.78	ng/ul	96
59) Fluorene	15.82	166	44345	5.24	ng/ul	95
70) Phenanthrene	17.57	178	382350	26.34	ng/ul	98
72) Anthracene	17.66	178	175976	12.02	ng/ul	98
75) Carbazole	17.93	167	13762	1.17	ng/ul#	91
77) Fluoranthene	19.56	202	949036m	51.30	ng/ul	
80) Pyrene	19.93	202	698953	35.61	ng/ul	99
83) Benzo(a)anthracene	21.78	228	500579	24.58	ng/ul	95
85) Chrysene	21.84	228	378867	19.76	ng/ul	97
88) Benzo(b)fluoranthene	24.06	252	414285	20.52	ng/ul	97
89) Benzo(k)fluoranthene	24.12	252	197283m	10.13	ng/ul	
91) Benzo(a)pyrene	24.96	252	326574	16.80	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.91	276	184328	8.47	ng/ul	98
93) Dibenzo(a,h)anthracene	28.94	278	55536m	3.11	ng/ul	
94) Benzo(g,h,i)perylene	30.09	276	103619	5.74	ng/ul	96

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

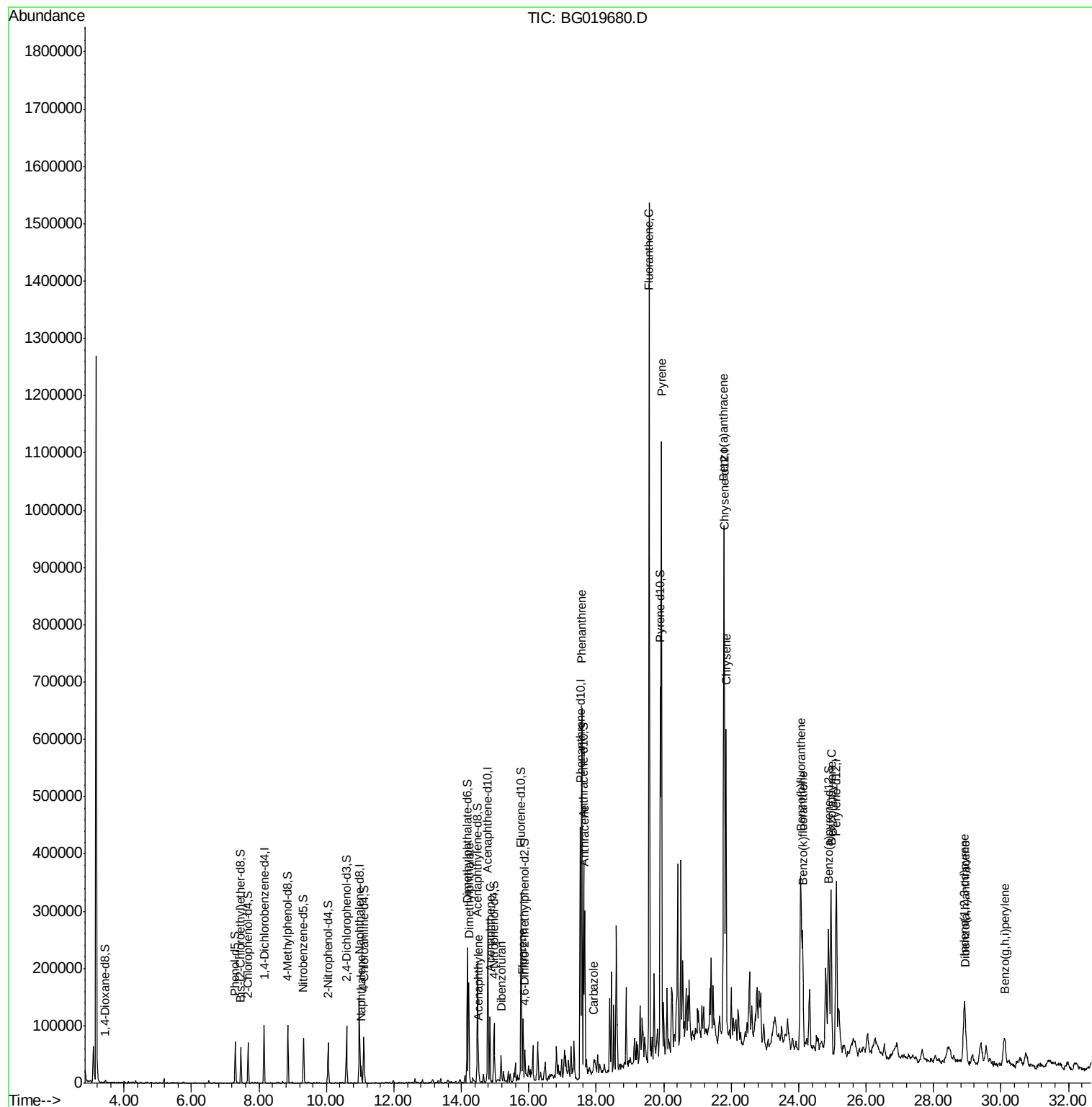
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

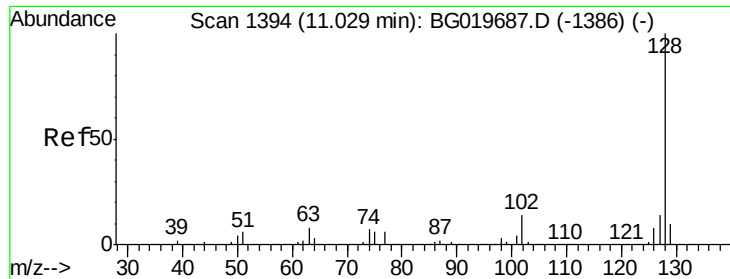
Instrument :
BNA_G
ClientSampleId :
BC7D0

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Quant Time: Nov 18 18:25:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





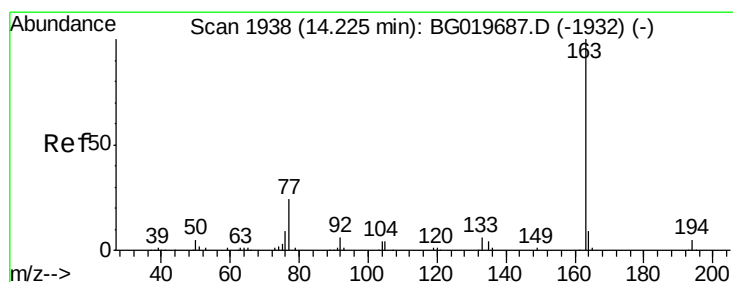
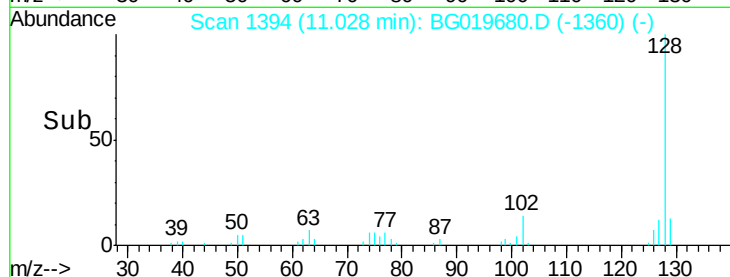
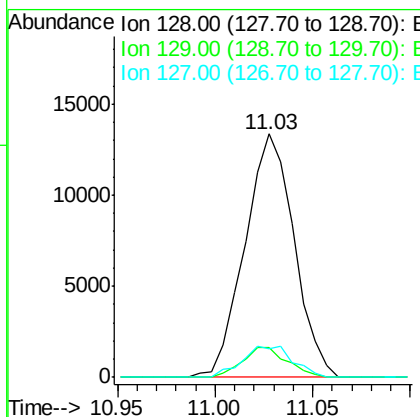
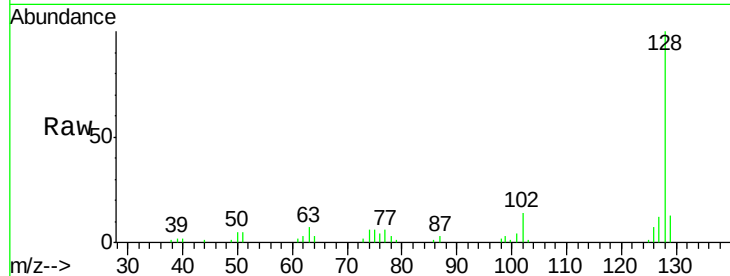
#28
Naphthalene
Concen: 3.83 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Instrument :
BNA_G
ClientSampleId :
BC7D0

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.1	12.1
127	11.7	10.0	15.0

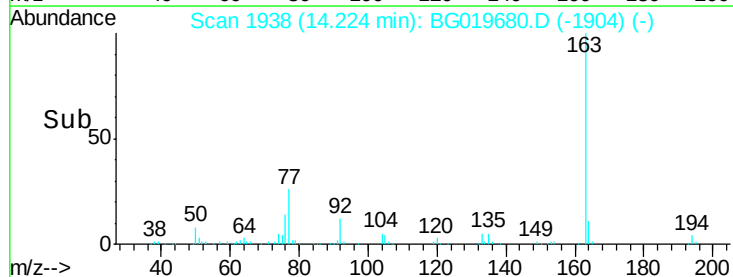
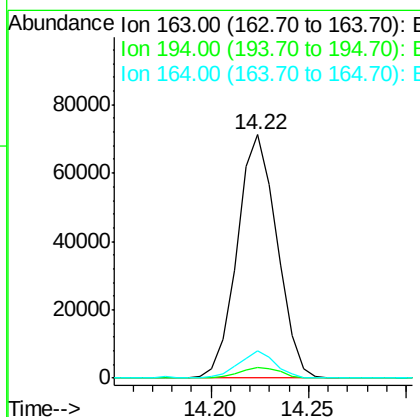
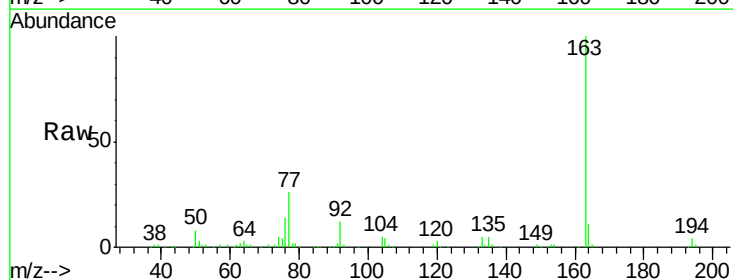
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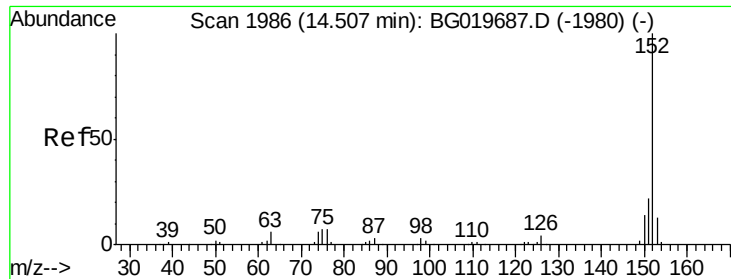
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#45
Dimethylphthalate
Concen: 11.38 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	11.3	8.3	12.5





#48

Acenaphthylene

Concen: 1.97 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

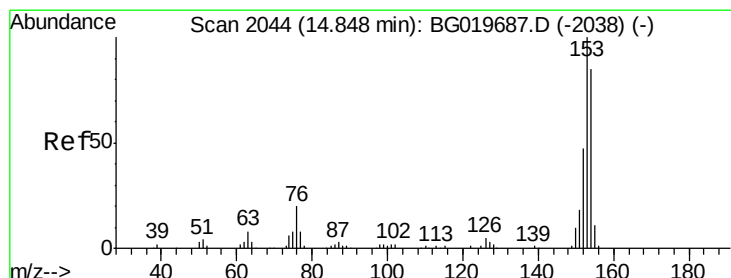
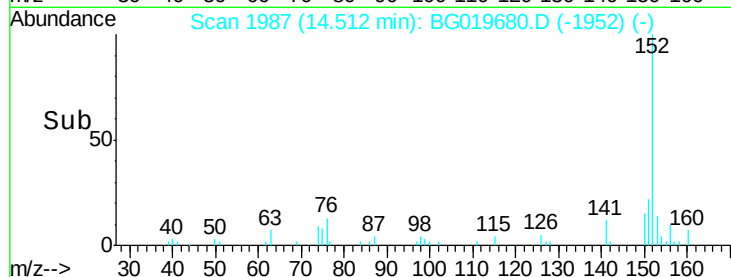
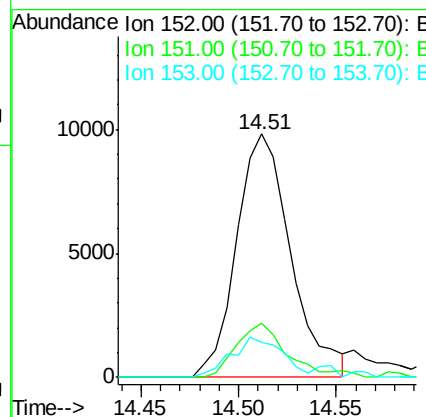
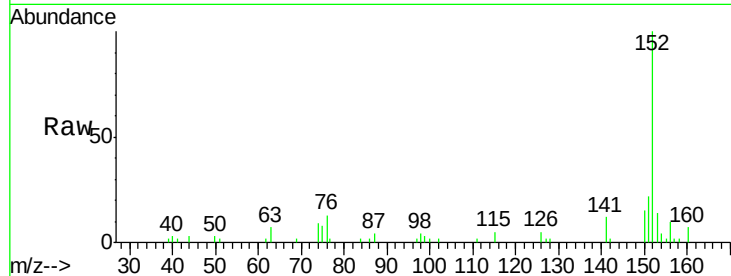
ClientSampleId :

BC7D0

Tot Ion:	152	Resp:	18953
Ion Ratio	Lower	Upper	
152	100		
151	22.4	15.1	22.7
153	14.3	9.8	14.8

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#50

Acenaphthene

Concen: 6.89 ng/ul

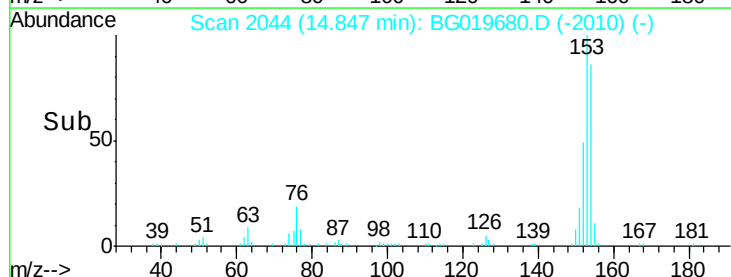
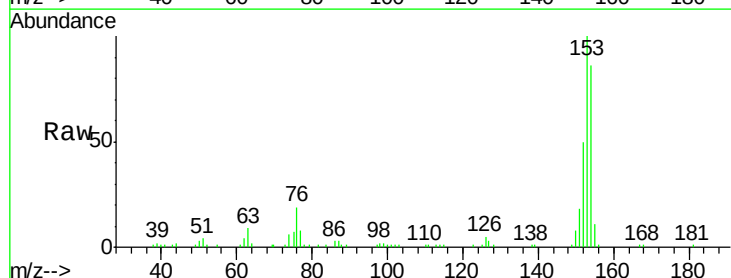
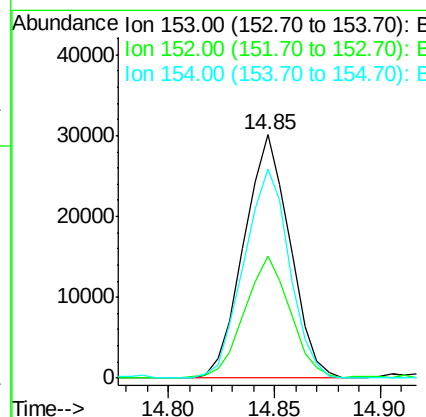
RT: 14.85 min Scan# 2044

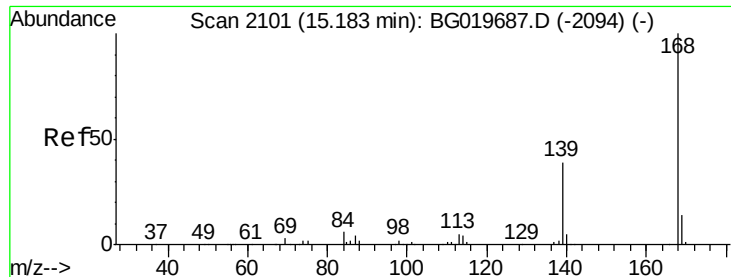
Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion:	153	Resp:	45433
Ion Ratio	Lower	Upper	
153	100		
152	50.2	40.9	61.3
154	85.7	69.1	103.7





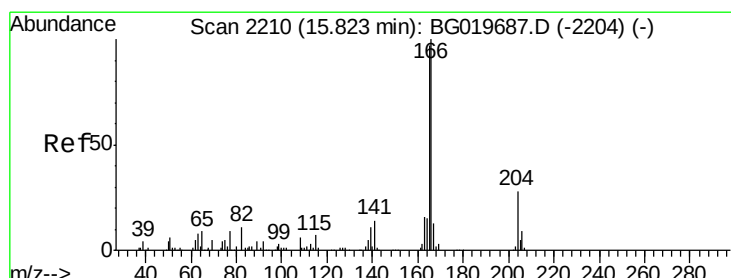
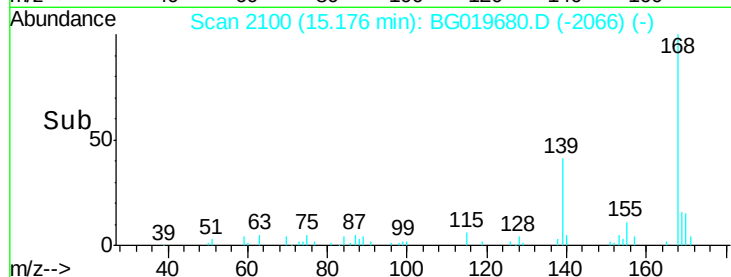
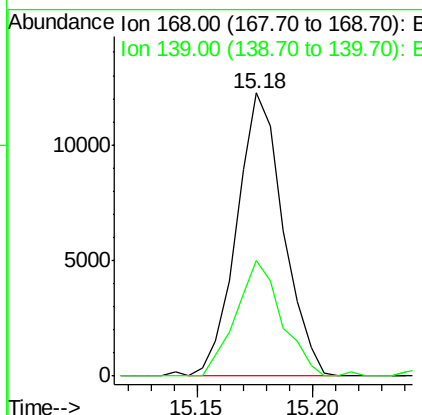
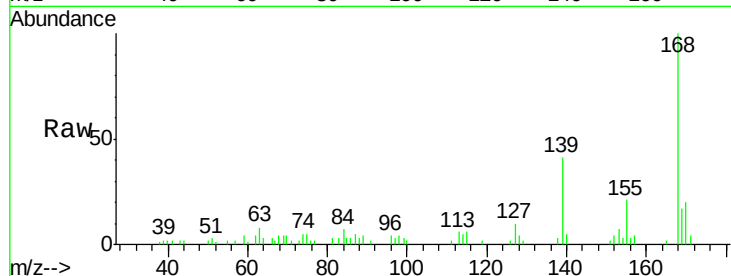
#54
Dibenzenofuran
Concen: 1.78 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Instrument :
BNA_G
ClientSampleId :
BC7D0

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	34.7	52.1

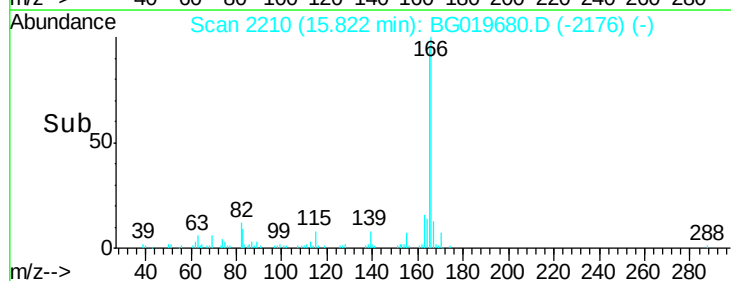
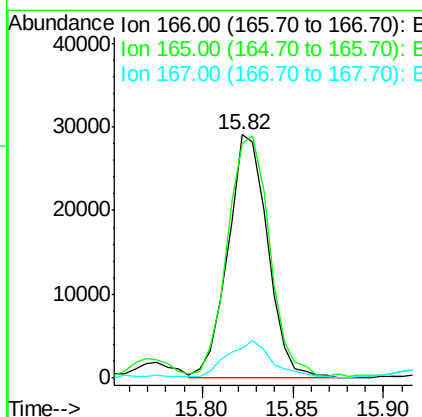
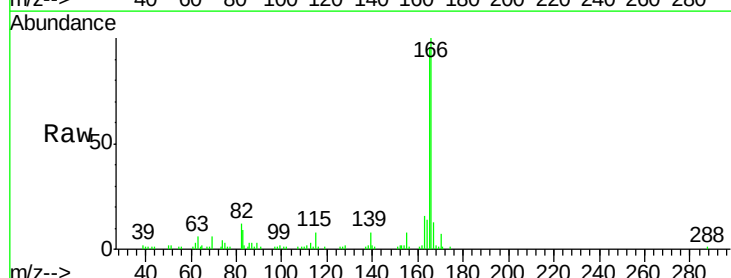
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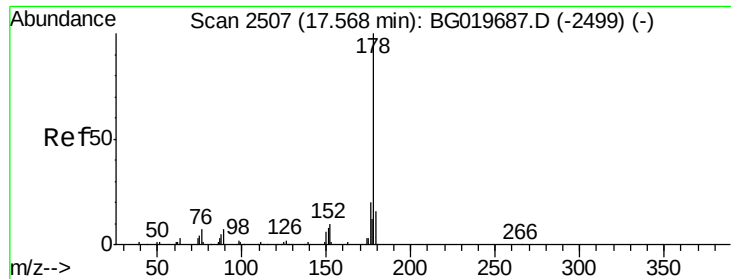
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#59
Fluorene
Concen: 5.24 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	81.4	122.2
167	12.5	11.1	16.7





#70

Phenanthrene

Concen: 26.34 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

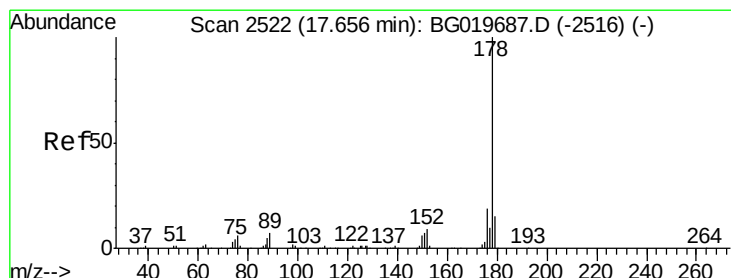
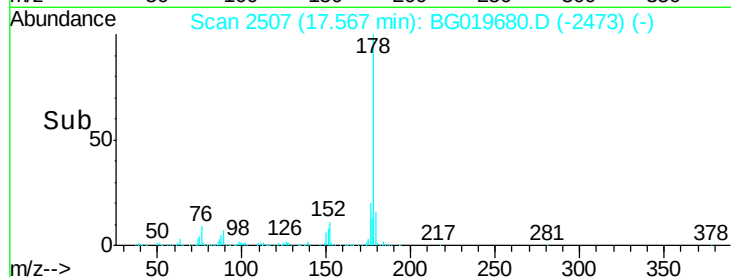
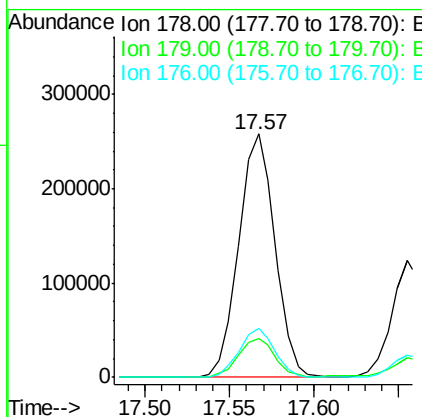
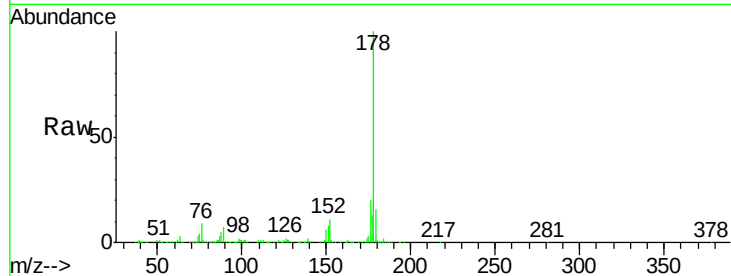
ClientSampleId :

BC7D0

Tot Ion:	178	Resp:	382350
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.2	18.2
176	20.0	16.6	24.8

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#72

Anthracene

Concen: 12.02 ng/ul

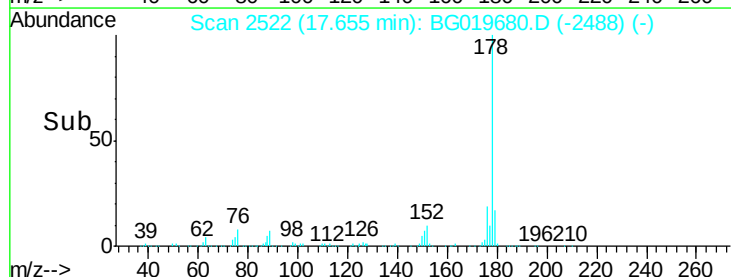
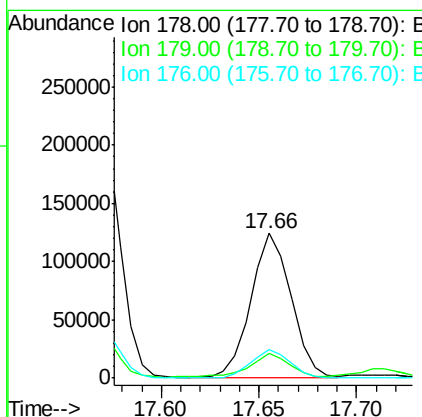
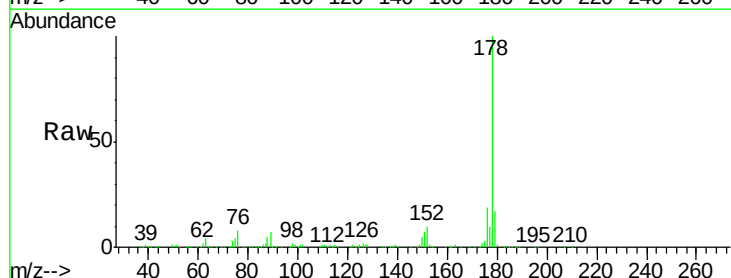
RT: 17.66 min Scan# 2522

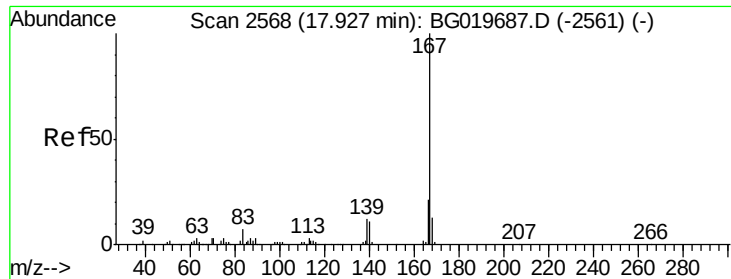
Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion:	178	Resp:	175976
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.6	19.0
176	19.3	15.0	22.4





#75

Carbazole

Concen: 1.17 ng/ul

RT: 17.93 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

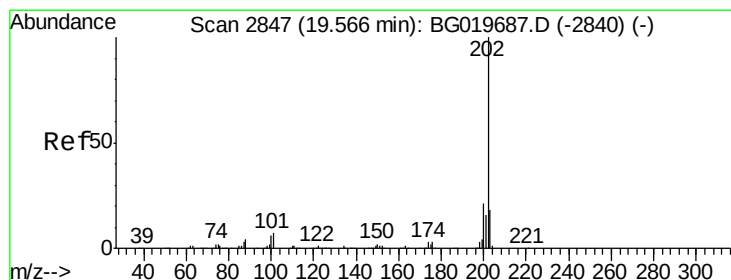
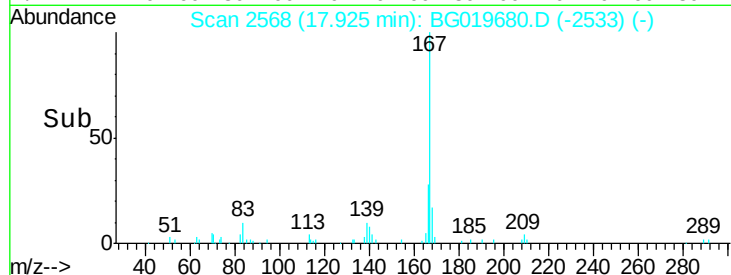
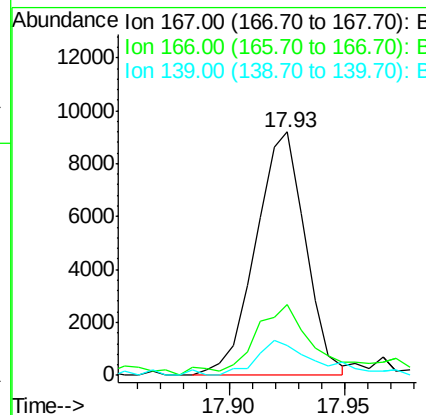
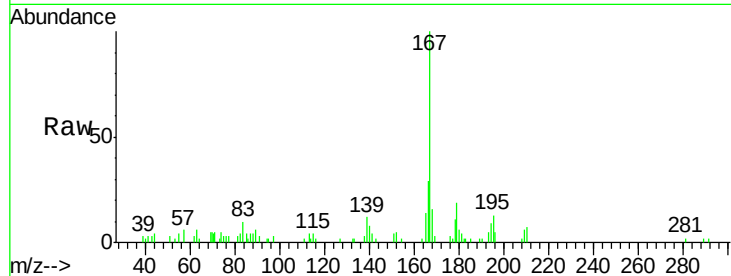
ClientSampleId :

BC7D0

Tot Ion:	167	Resp:	13762
Ion Ratio	Lower	Upper	
167	100		
166	29.2	18.1	27.1#
139	12.2	9.8	14.6

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#77

Fluoranthene

Concen: 51.30 ng/ul m

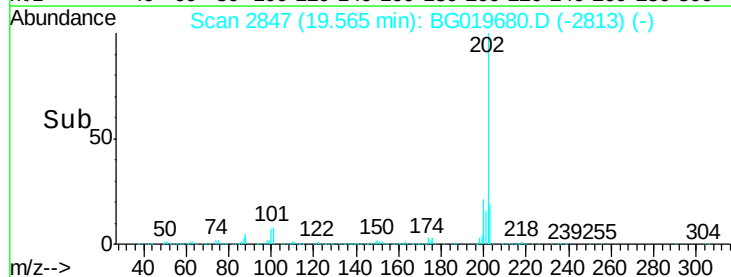
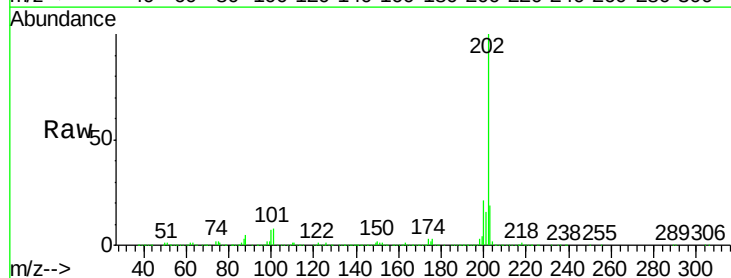
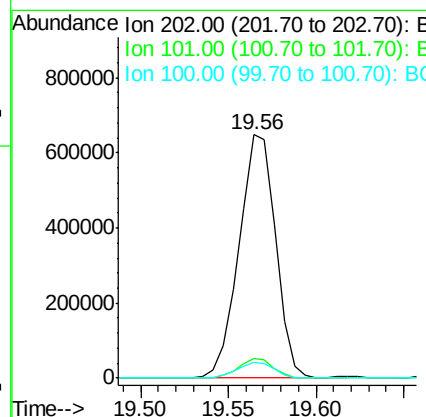
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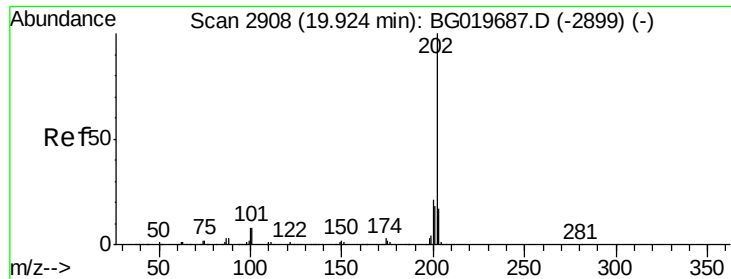
Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion:	202	Resp:	949036
Ion Ratio	Lower	Upper	
202	100		
101	8.0	5.2	7.8#
100	6.6	5.0	7.4





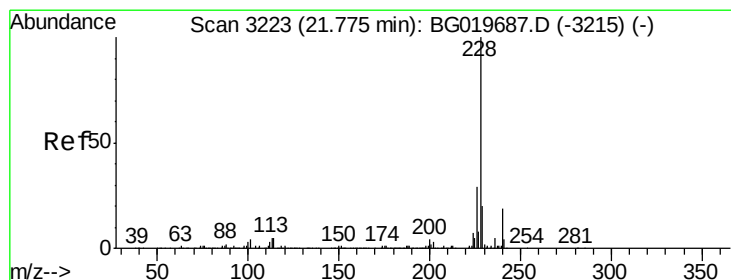
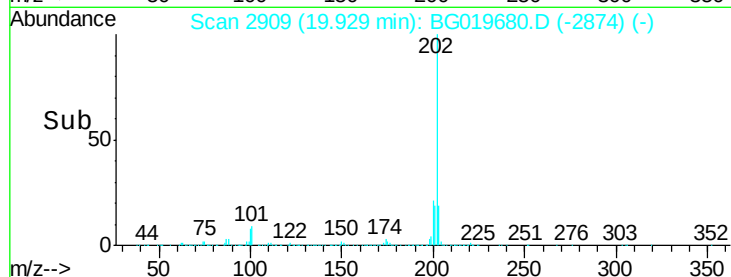
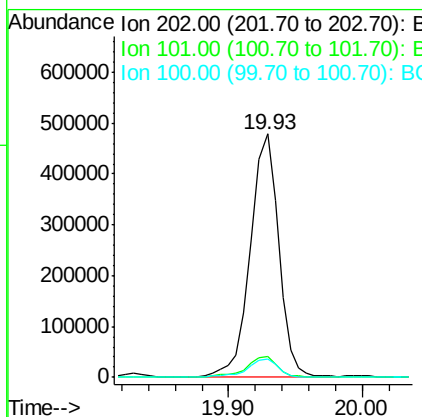
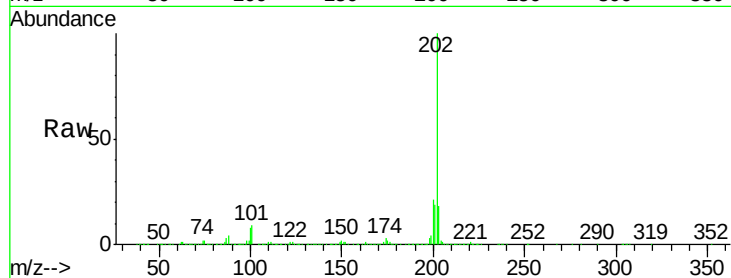
#80
Pvrene
Concen: 35.61 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Instrument :
BNA_G
ClientSampleId :
BC7D0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		698953		
101	8.8	7.0	10.6		
100	7.6	6.6	10.0		

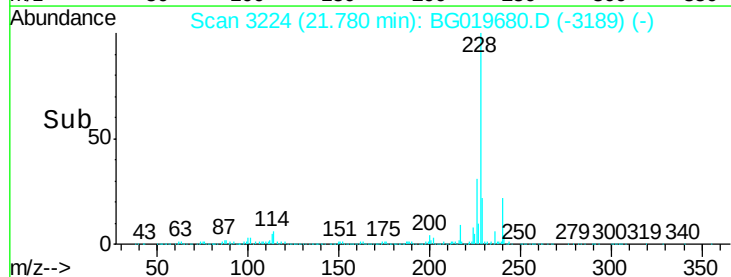
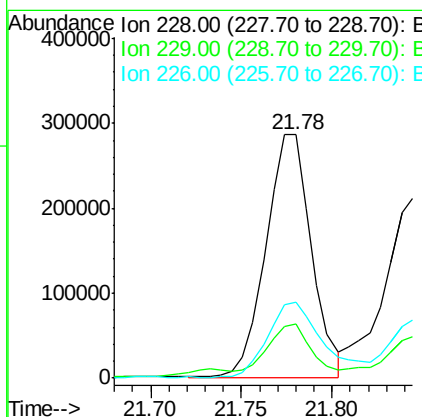
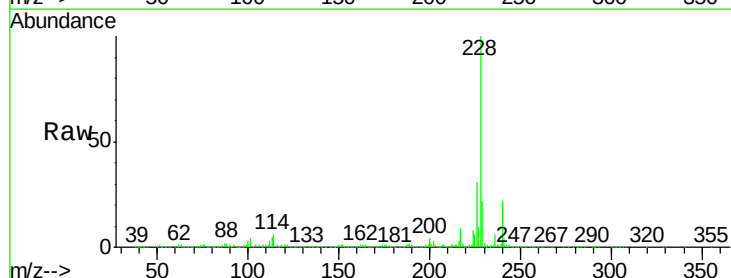
Manual Integrations
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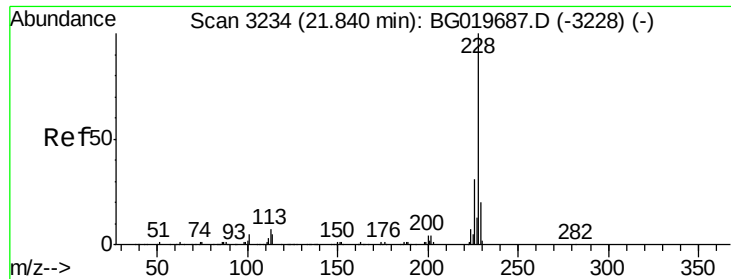
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#83
Benzo(a)anthracene
Concen: 24.58 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		500579		
229	22.0	15.7	23.5		
226	31.1	22.6	33.8		





#85

Chrysene

Concen: 19.76 ng/ul

RT: 21.84 min Scan# 3235

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

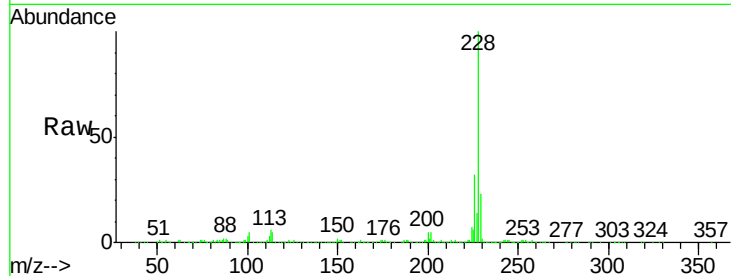
ClientSampleId :

BC7D0

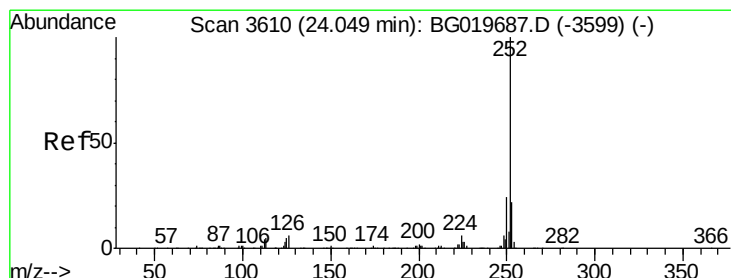
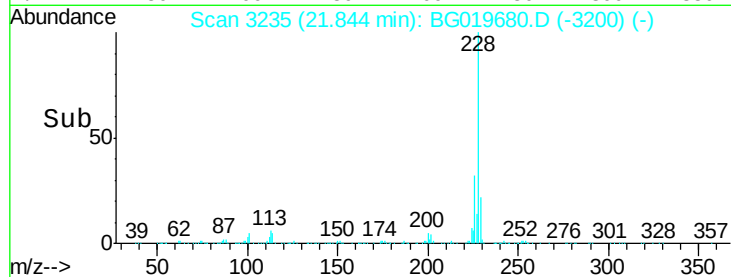
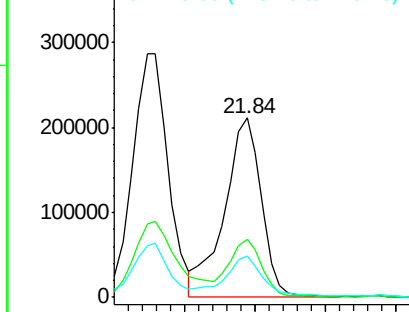
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Ion Ratio	Lower	Upper	
228	100		
226	32.4	24.9	37.3
229	23.0	17.0	25.6

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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: 20.52 ng/ul

RT: 24.06 min Scan# 3612

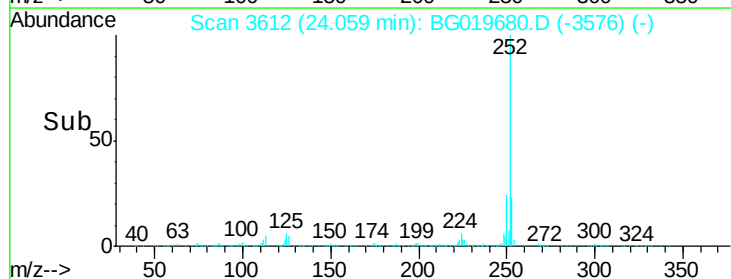
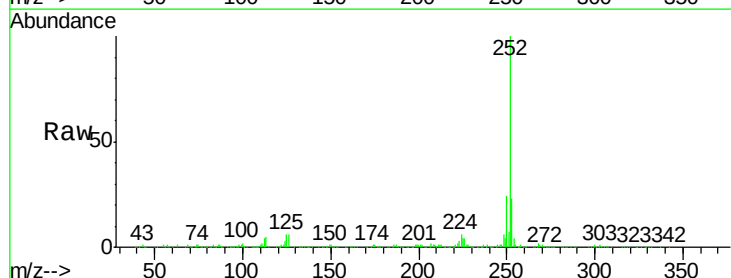
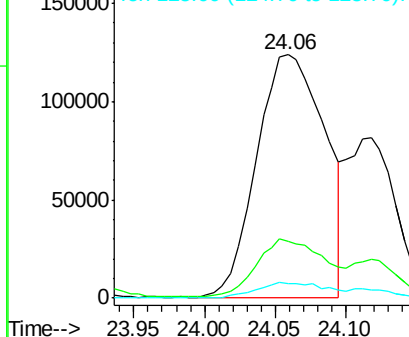
Delta R.T. 0.01 min

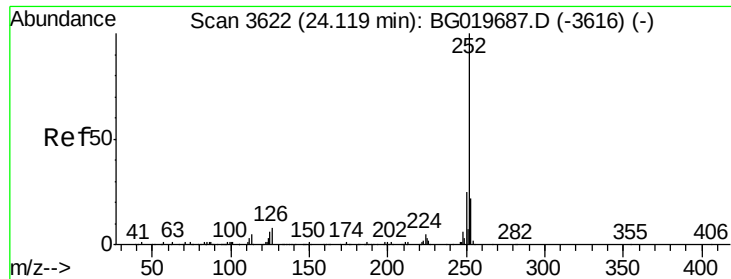
Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion:	252	Resp:	414285
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	5.7	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: 10.13 ng/ul m

RT: 24.12 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

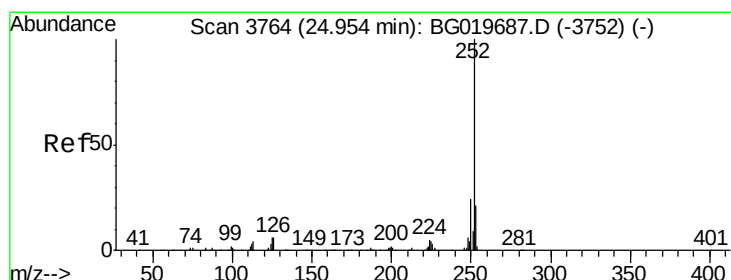
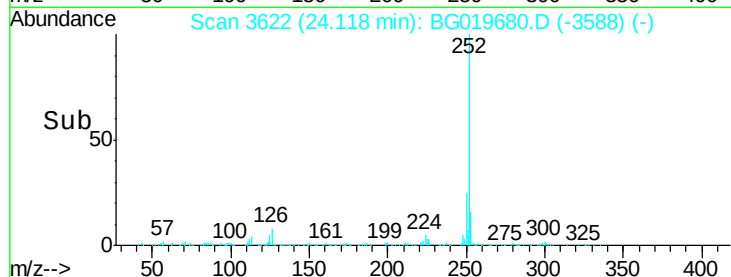
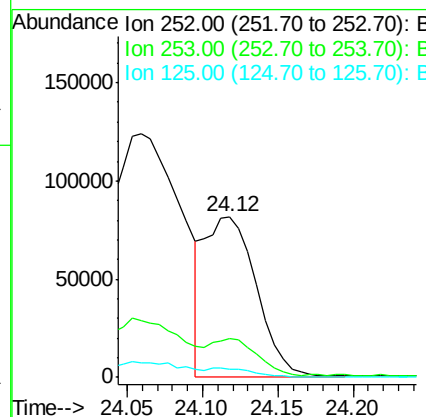
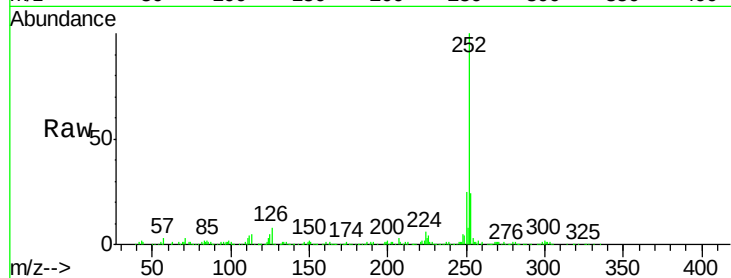
ClientSampleId :

BC7D0

Tot Ion	Ratio	Resp	Lower	Upper
252	100	197283		
253	24.5		17.1	25.7
125	5.3		4.4	6.6

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#91

Benzo(a)pyrene

Concen: 16.80 ng/ul

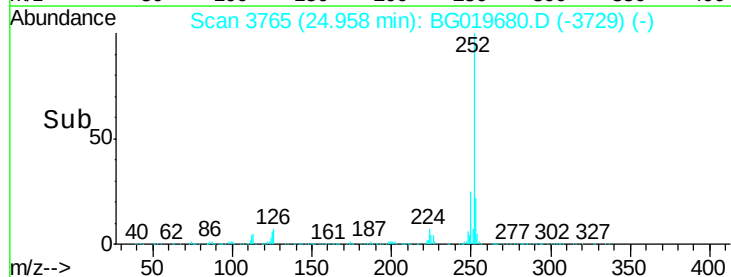
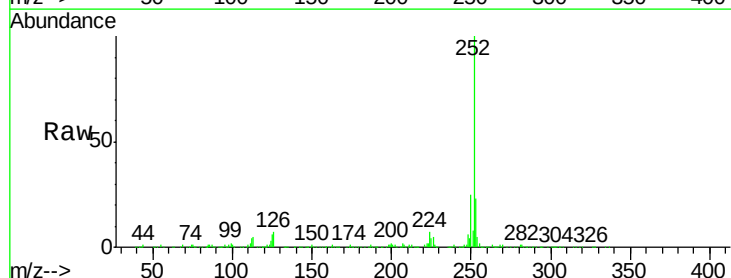
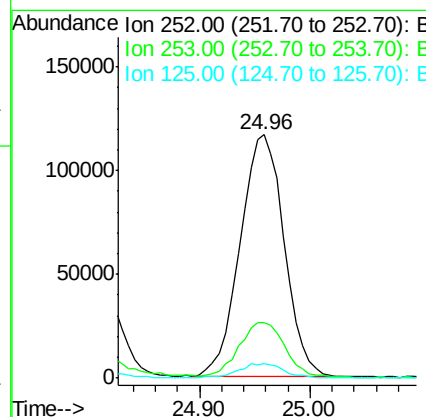
RT: 24.96 min Scan# 3765

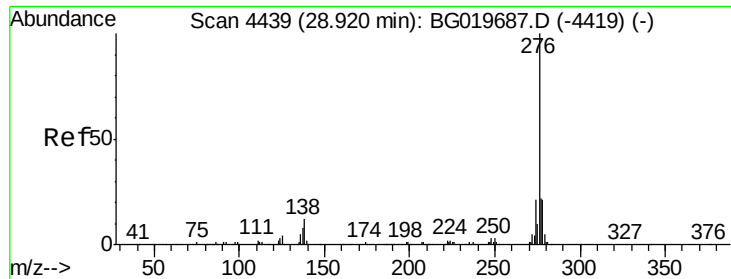
Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	326574		
253	22.6		16.9	25.3
125	6.0		5.4	8.0





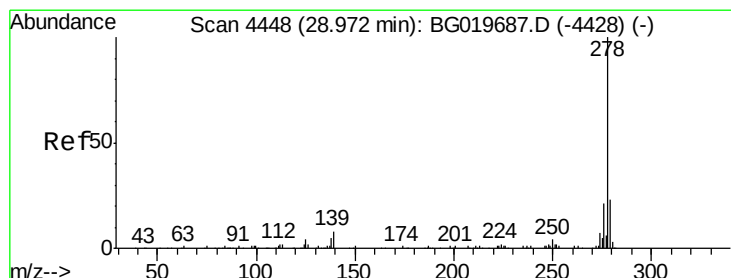
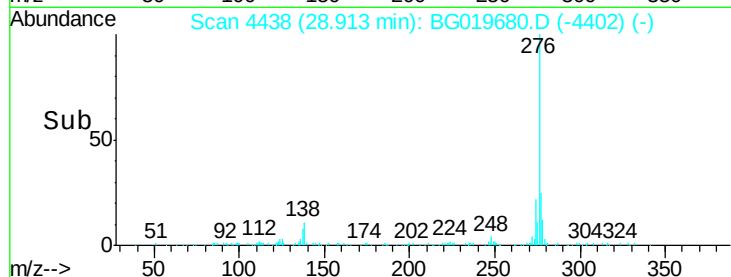
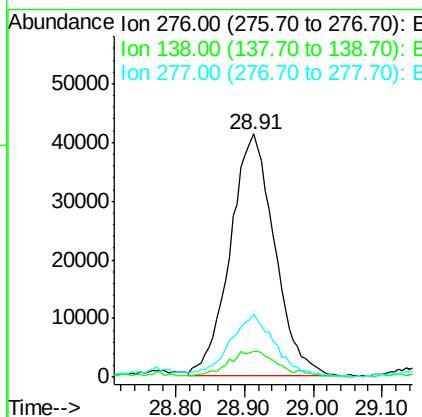
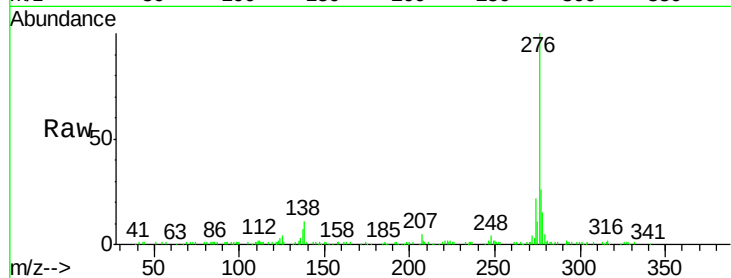
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.47 ng/ul
 RT: 28.91 min Scan# 4438
 Delta R.T. 0.01 min
 Lab File: BG019680.D
 Acq: 18 Nov 2015 4:01

Instrument :
 BNA_G
 ClientSampleID :
 BC7D0

Tot Ion	Ratio	Resp	Lower	Upper
276	100	184328		
138	10.9		9.9	14.9
277	26.2		21.3	31.9

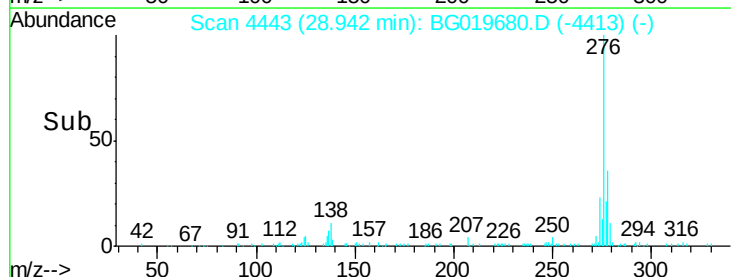
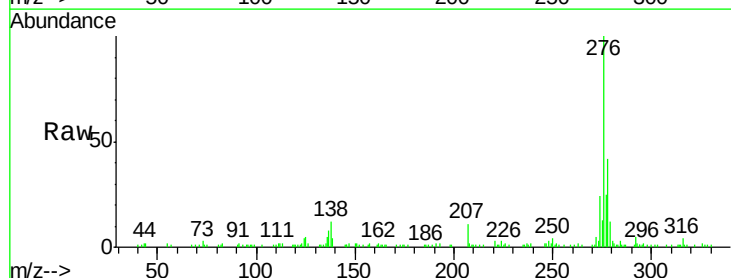
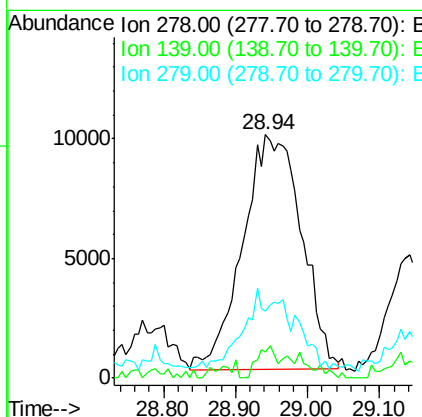
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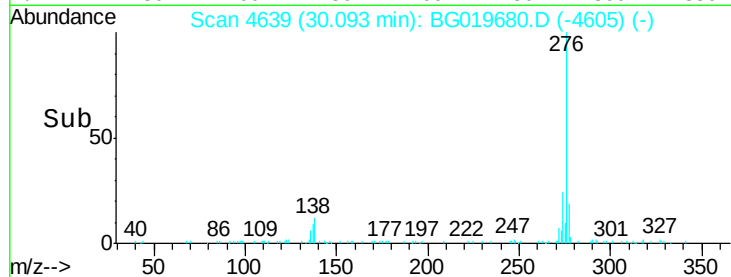
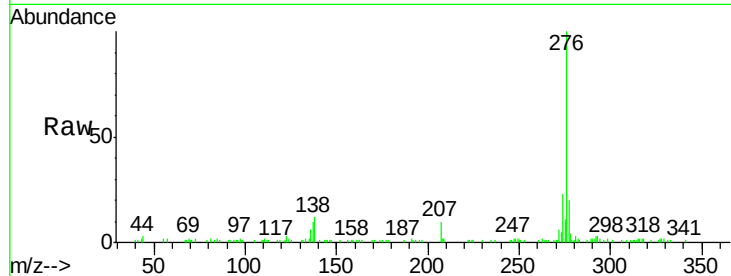
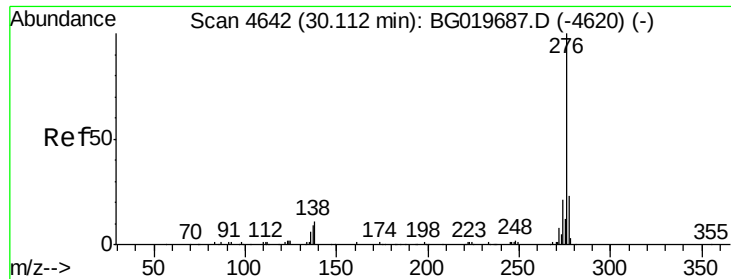
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.11 ng/ul m
 RT: 28.94 min Scan# 4443
 Delta R.T. -0.02 min
 Lab File: BG019680.D
 Acq: 18 Nov 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	55536		
139	10.5		5.9	8.9#
279	27.6		18.2	27.2#





#94

Benzo(a,h,i)perylene

Concen: 5.74 ng/ul

RT: 30.09 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tot Ion:	276	Resp:	103619
Ion Ratio	Lower	Upper	
276	100		
138	11.8	9.2	13.8
277	20.5	18.6	28.0

Instrument :

BNA_G

ClientSampleId :

BC7D0

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