

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019696.D
 Acq On : 18 Nov 2015 19:42
 Operator : UM/NP
 Sample : G4427-12DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7D1DL

Manual Integrations
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mohammad
 11/19/2015 8:27:58 AM

Quant Time: Nov 19 04:36:30 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 19 03:06:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	24604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	106349	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	87152	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	233340	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	307080	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	299476	20.00	ng/ul	0.00

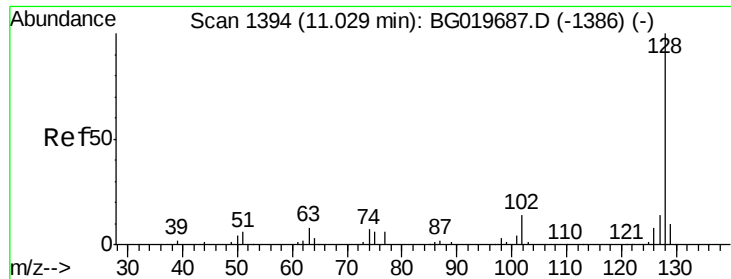
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	941m	1.63	ng/uL	0.00
5) Phenol-d5	7.29	99	22713	9.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	15528	9.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	14828	9.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	19403	9.30	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	8063	9.23	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	9174	9.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	19851	9.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	18012	8.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	76068	9.65	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	79732	9.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	9204	7.41	ng/ul	0.00
58) Fluorene-d10	15.77	176	64325	9.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	5952	3.95	ng/ul	0.00
71) Anthracene-d10	17.62	188	107462	9.49	ng/ul	0.00
79) Pyrene-d10	19.90	212	120065	8.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	127927	8.18	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.03	128	28922	5.04	ng/ul	97
45) Dimethylphthalate	14.23	163	53588	6.86	ng/ul	99
48) Acenaphthylene	14.51	152	24383	2.86	ng/ul	96
50) Acenaphthene	14.84	153	44937	7.70	ng/ul	98
54) Dibenzofuran	15.18	168	26221	3.06	ng/ul	95
59) Fluorene	15.82	166	53653	7.17	ng/ul	99
70) Phenanthrene	17.57	178	586300	46.95	ng/ul	100
72) Anthracene	17.66	178	184838	14.68	ng/ul	99
75) Carbazole	17.92	167	10609m	1.05	ng/ul	
77) Fluoranthene	19.57	202	1270095m	79.80	ng/ul	
80) Pyrene	19.93	202	1037974	57.88	ng/ul	98
83) Benzo(a)anthracene	21.78	228	632425	33.98	ng/ul	95
85) Chrysene	21.84	228	481420	27.47	ng/ul	98
88) Benzo(b)fluoranthene	24.06	252	573921	31.10	ng/ul	98
89) Benzo(k)fluoranthene	24.11	252	199293	11.19	ng/ul	95
91) Benzo(a)pyrene	24.96	252	462794	26.05	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.91	276	249892m	12.57	ng/ul	
93) Dibenzo(a,h)anthracene	28.95	278	69189	4.23	ng/ul#	85
94) Benzo(g,h,i)perylene	30.11	276	198260m	12.02	ng/ul	

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



#28

Naphthalene

Concen: 5.04 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

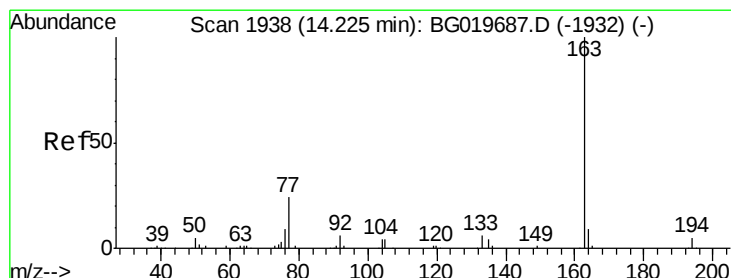
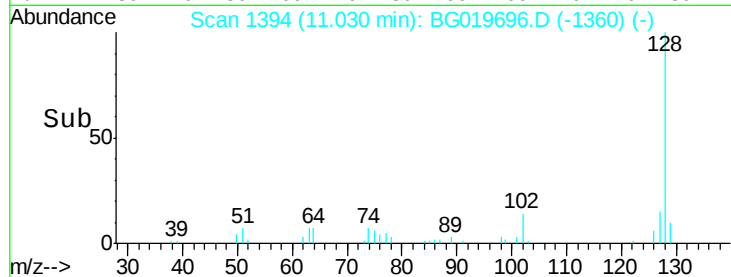
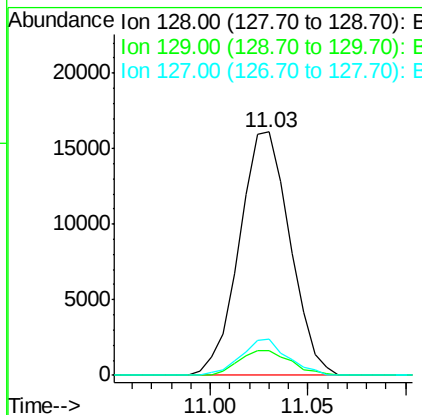
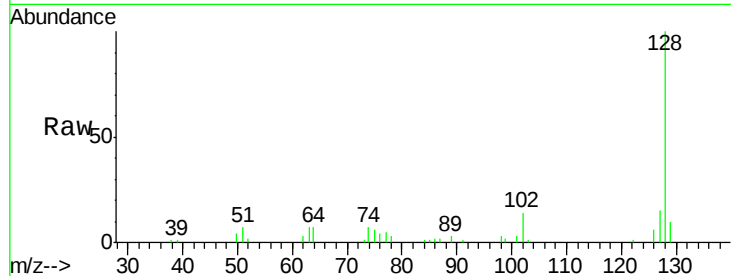
ClientSampleId :

BC7D1DL

Tot Ion:	128	Resp:	28922
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.1	12.1
127	14.7	10.0	15.0

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#45

Dimethylphthalate

Concen: 6.86 ng/ul

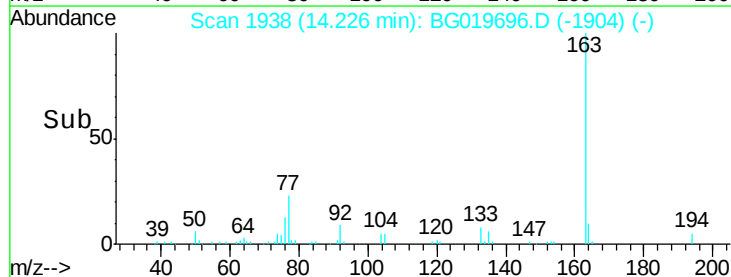
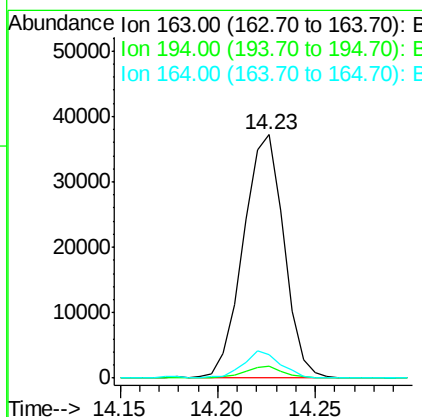
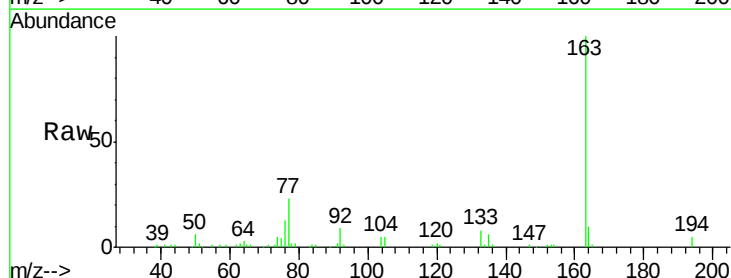
RT: 14.23 min Scan# 1938

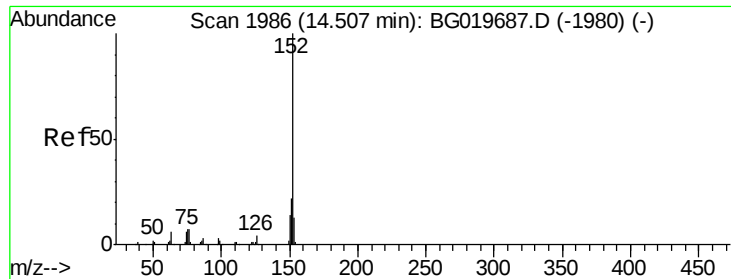
Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Tgt Ion:	163	Resp:	53588
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.5	5.3
164	9.8	8.3	12.5





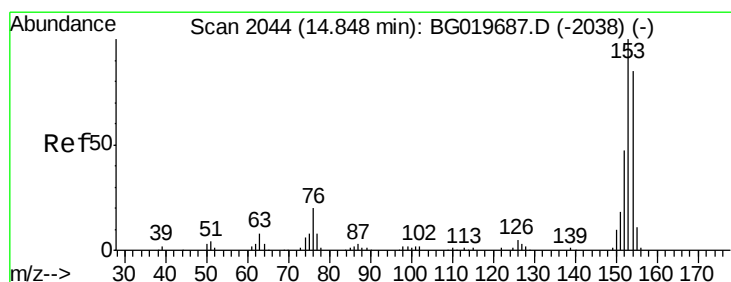
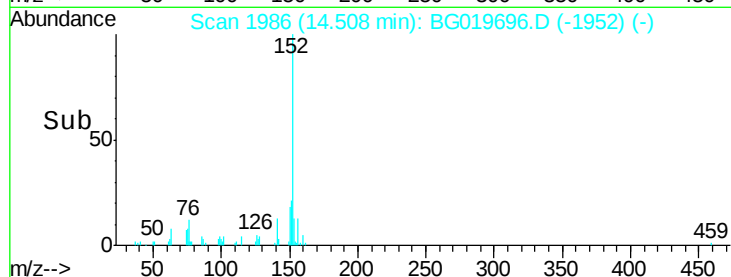
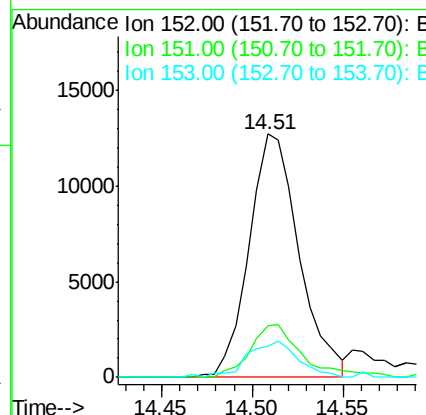
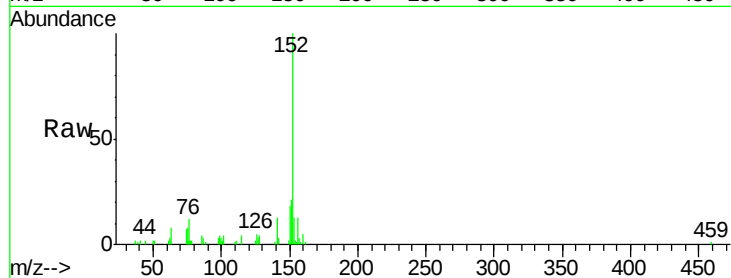
#48
Acenaphthylene
Concen: 2.86 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :
BC7D1DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.1	22.7
153	13.0	9.8	14.8

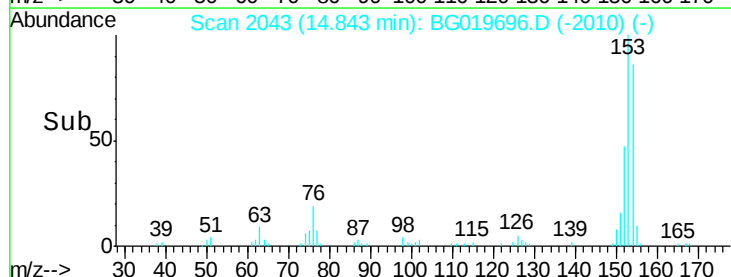
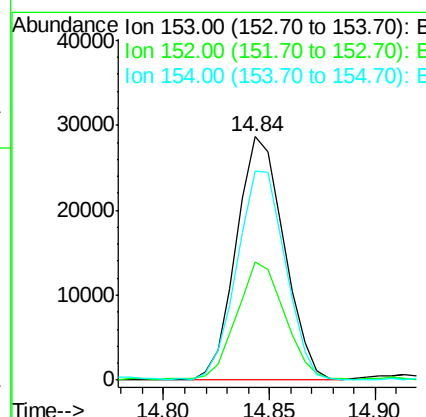
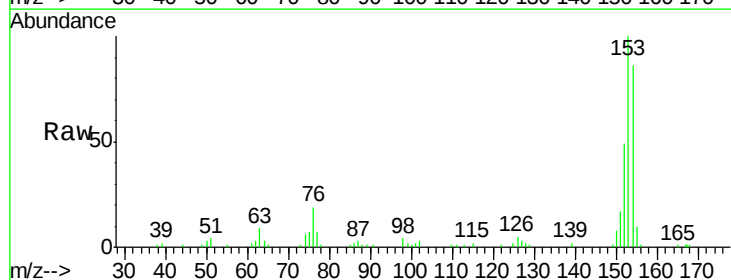
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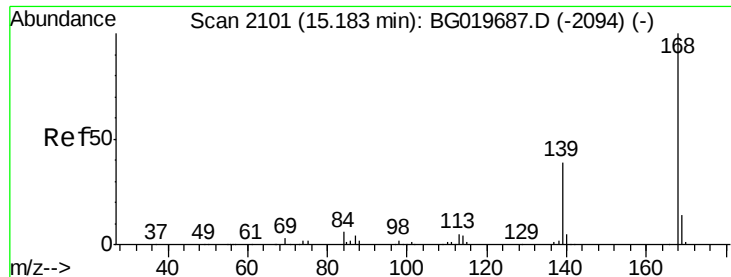
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#50
Acenaphthene
Concen: 7.70 ng/ul
RT: 14.84 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.8	40.9	61.3
154	85.7	69.1	103.7





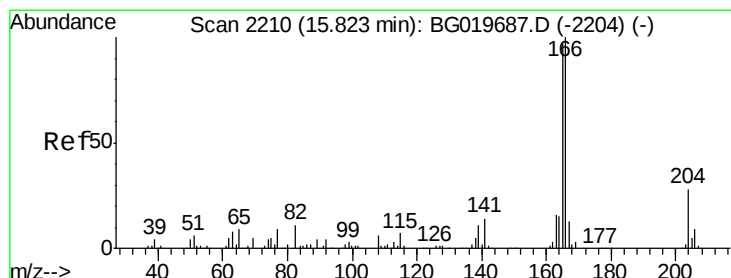
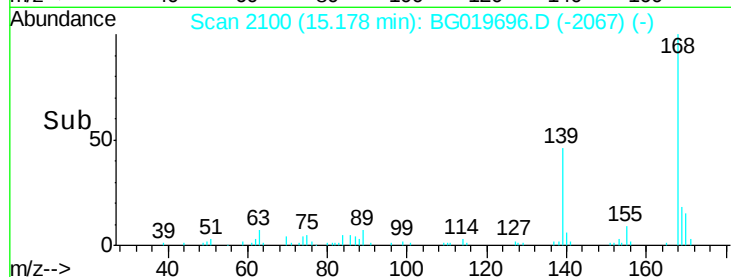
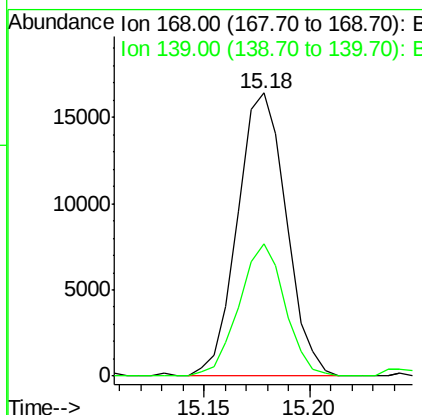
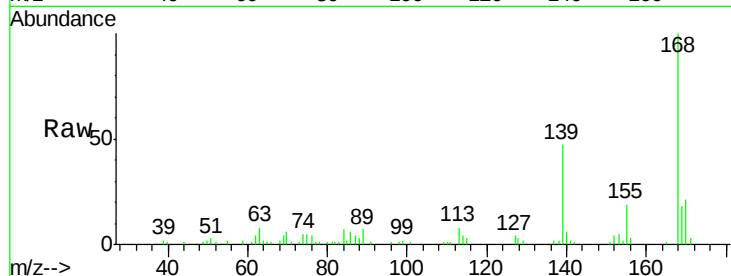
#54
Dibenzenofuran
Concen: 3.06 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :
BC7D1DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	46.7	34.7	52.1

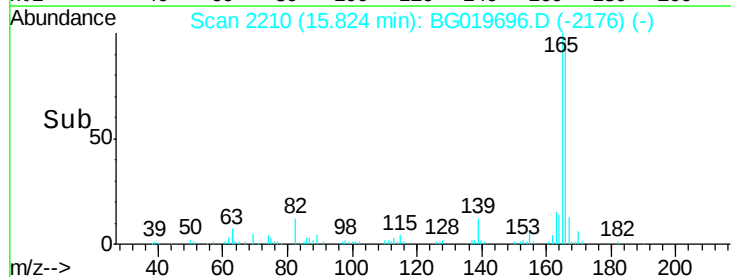
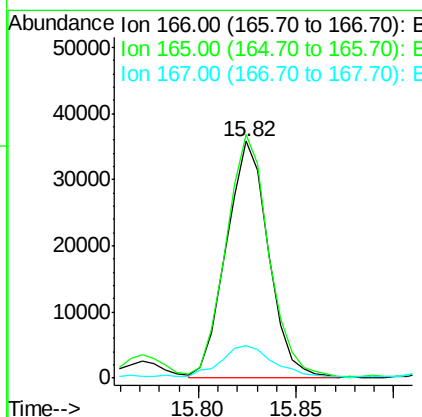
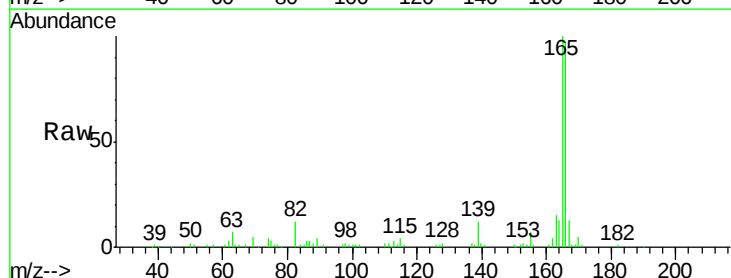
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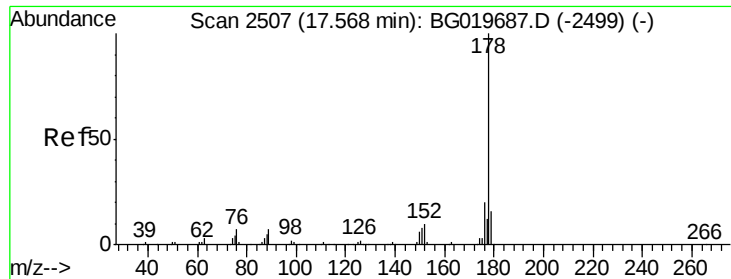
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#59
Fluorene
Concen: 7.17 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	81.4	122.2
167	13.5	11.1	16.7





#70

Phenanthrene

Concen: 46.95 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

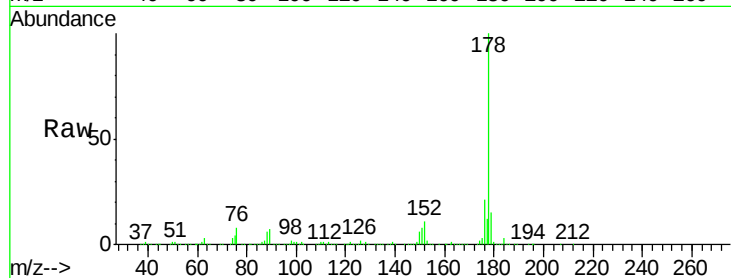
ClientSampleId :

BC7D1DL

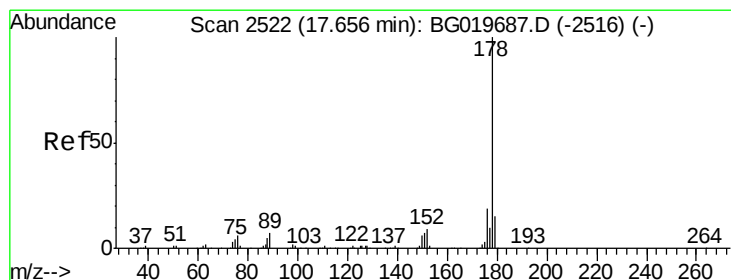
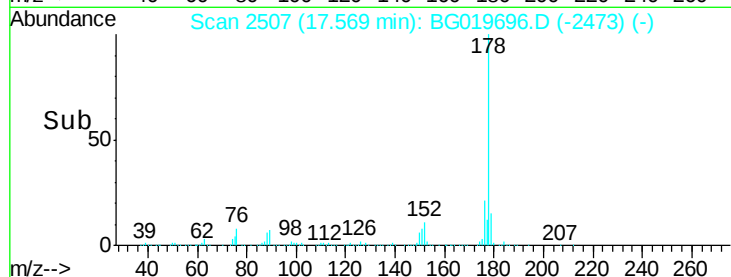
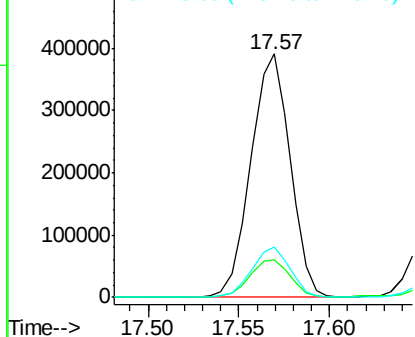
Tot Ion:	178	Resp:	586300
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.2
176	20.5	16.6	24.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 14.68 ng/ul

RT: 17.66 min Scan# 2522

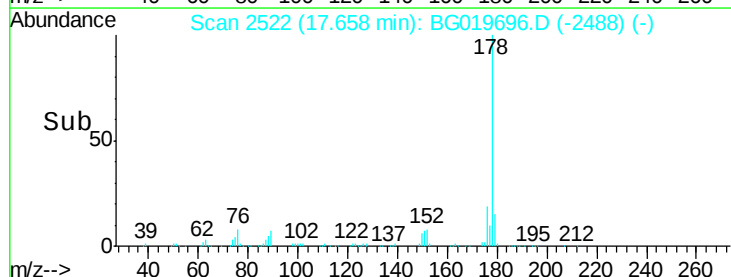
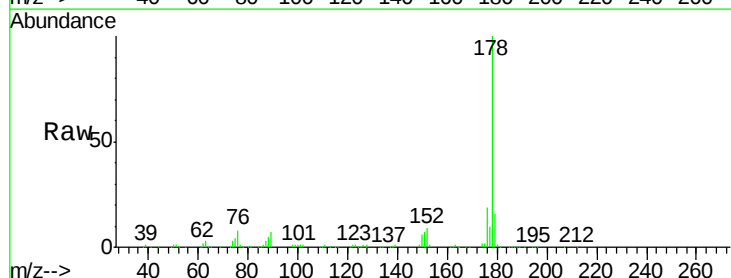
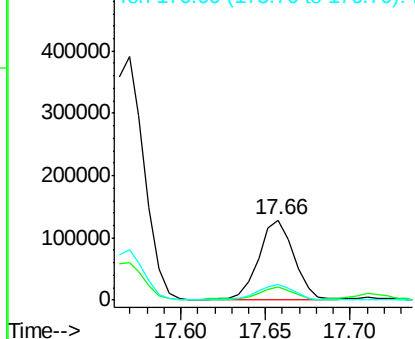
Delta R.T. 0.00 min

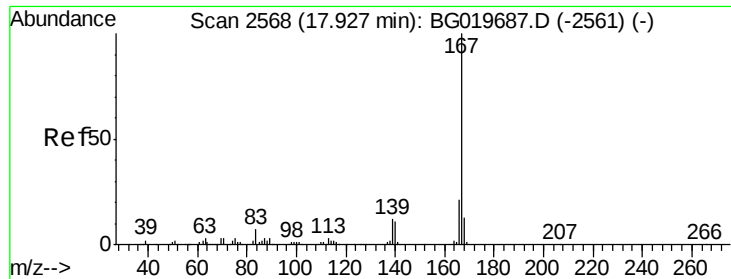
Lab File: BG019696.D

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Tgt Ion:	178	Resp:	184838
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	19.0
176	19.3	15.0	22.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.05 ng/ul m

RT: 17.92 min Scan# 2567

Delta R.T. -0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

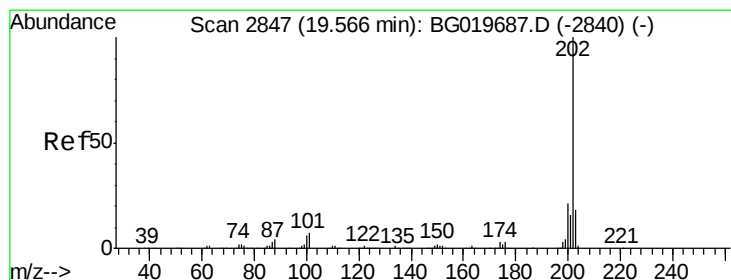
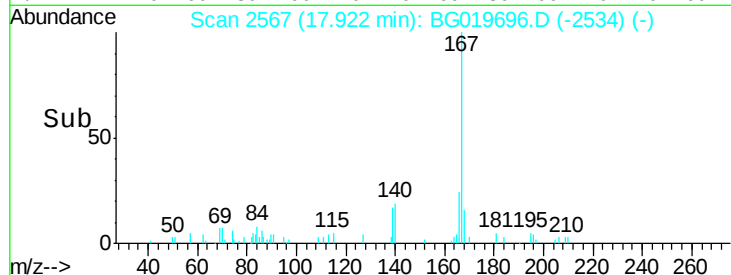
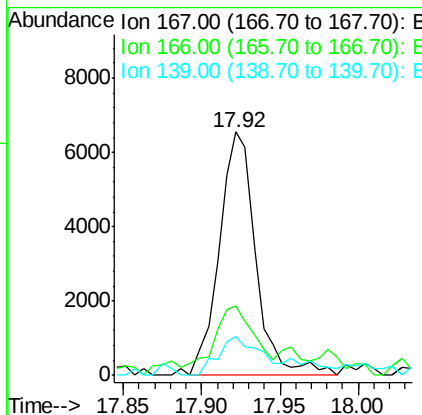
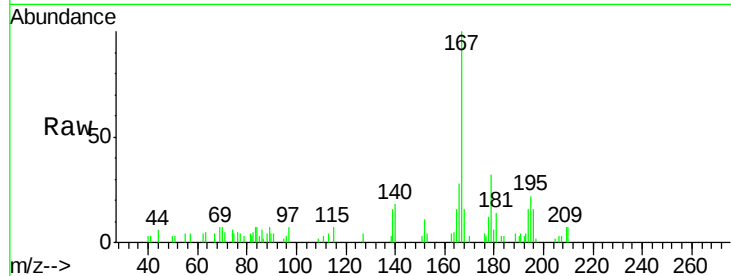
ClientSampleId :

BC7D1DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	28.4	18.1	27.1#
139	15.9	9.8	14.6#

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#77

Fluoranthene

Concen: 79.80 ng/ul m

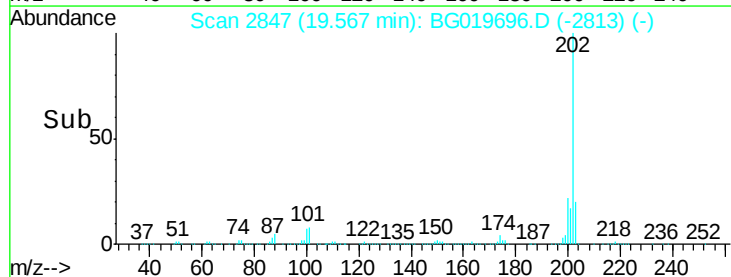
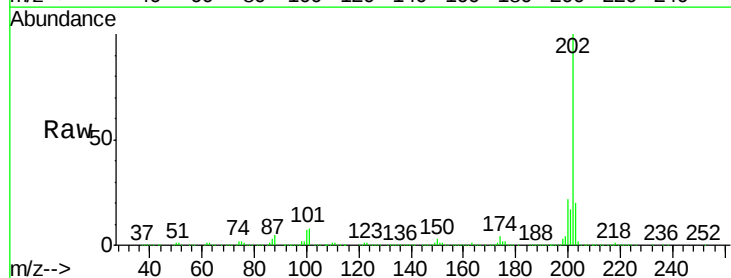
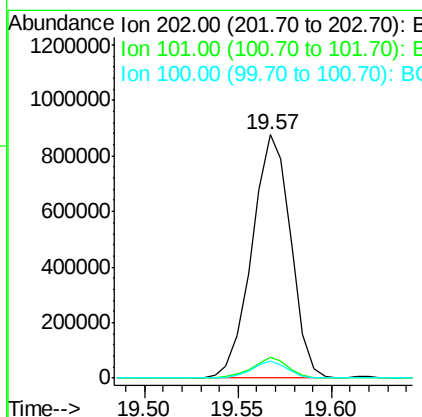
RT: 19.57 min Scan# 2847

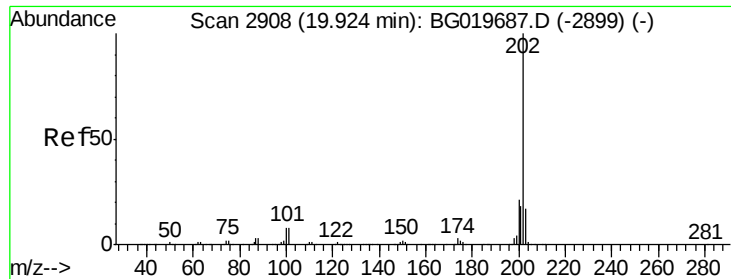
Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	5.2	7.8#
100	6.8	5.0	7.4





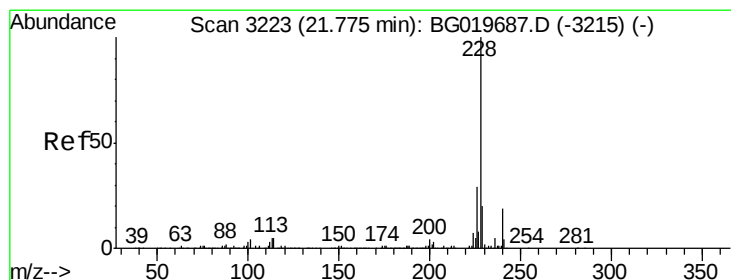
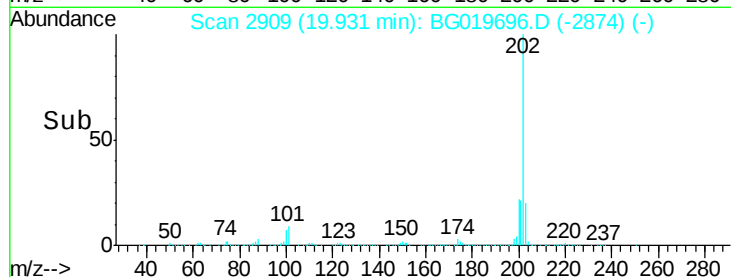
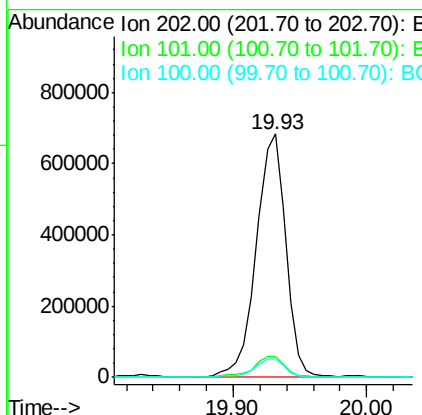
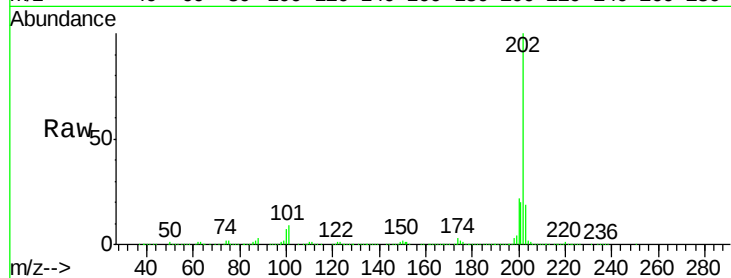
#80
Pvrene
Concen: 57.88 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :
BC7D1DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.6
100	7.4	6.6	10.0

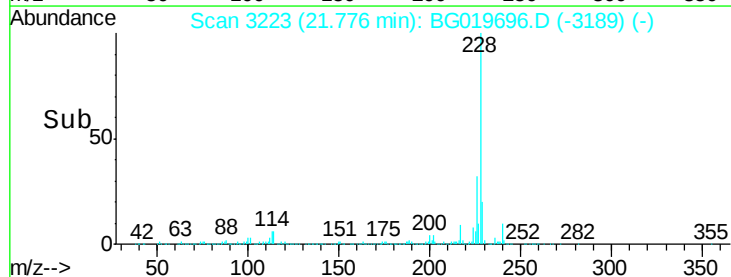
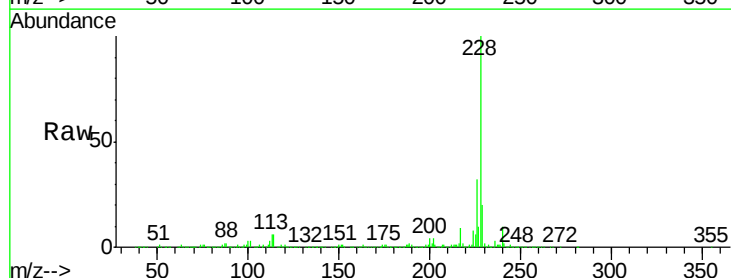
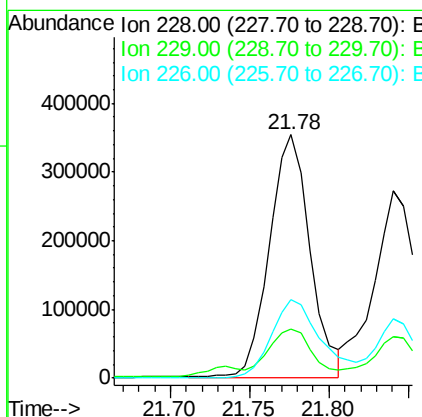
Manual Integrations
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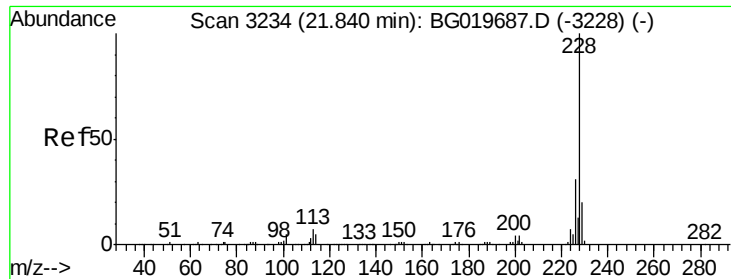
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#83
Benzo(a)anthracene
Concen: 33.98 ng/ul
RT: 21.78 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	32.5	22.6	33.8





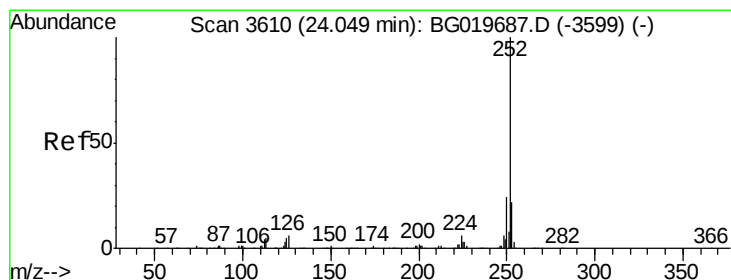
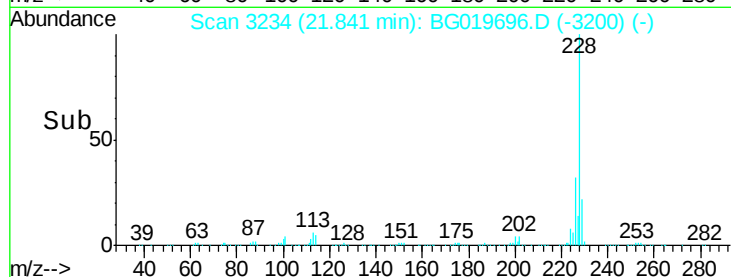
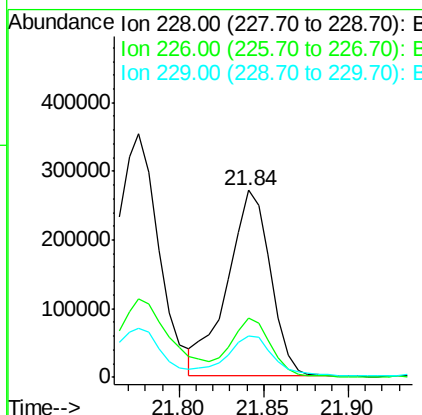
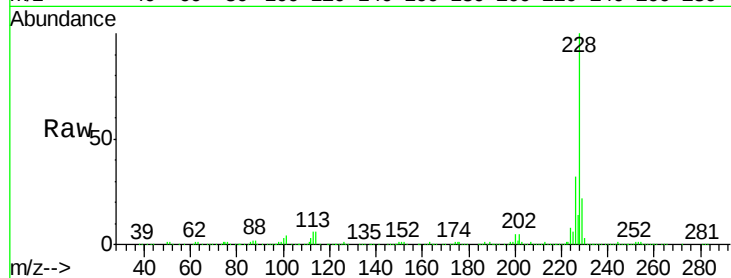
#85
Chrysene
Concen: 27.47 ng/ul
RT: 21.84 min Scan# 3234
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :
BC7D1DL

Tot Ion:	228	Resp:	481420
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.9	37.3
229	22.3	17.0	25.6

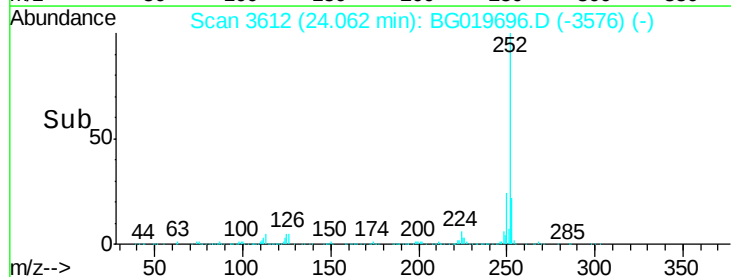
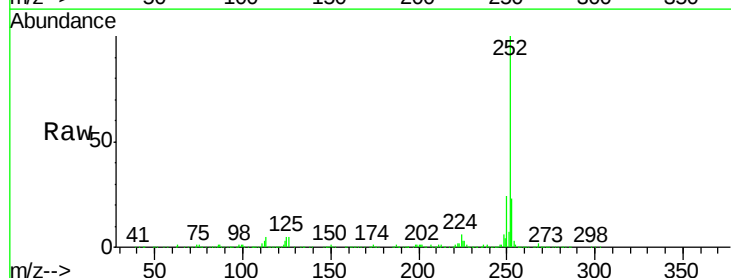
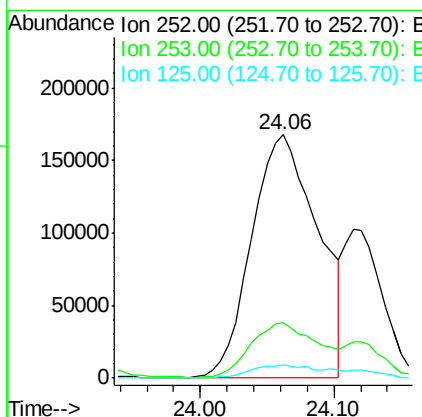
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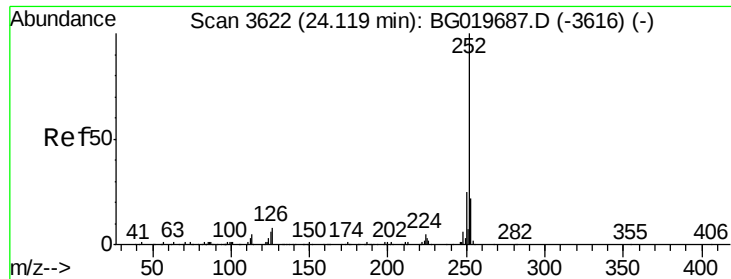
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#88
Benzo(b)fluoranthene
Concen: 31.10 ng/ul
RT: 24.06 min Scan# 3612
Delta R.T. 0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:	252	Resp:	573921
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	5.5	4.2	6.4





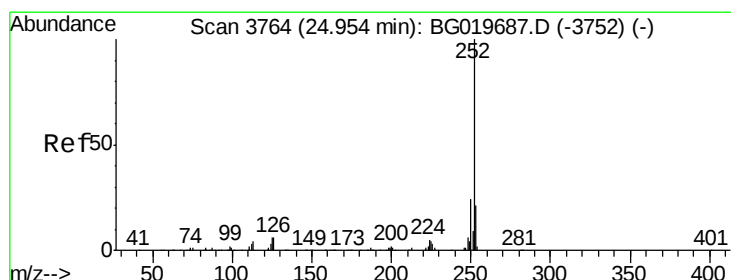
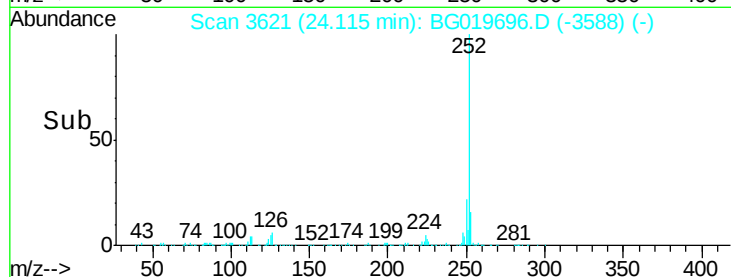
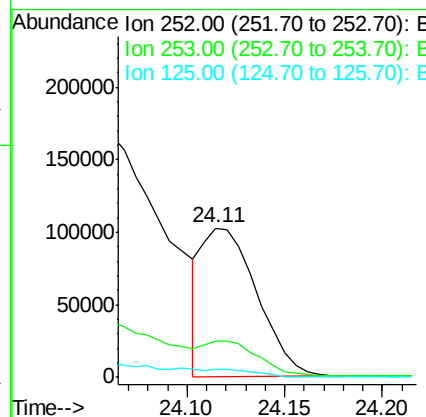
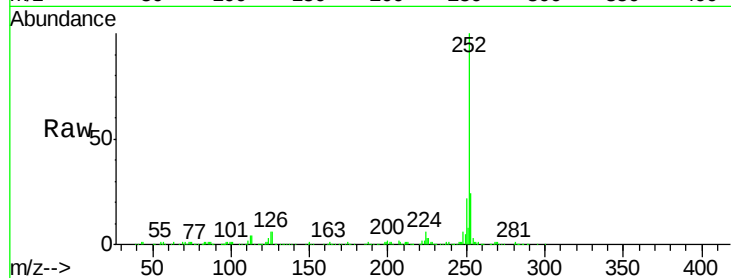
#89
Benzo(k)fluoranthene
Concen: 11.19 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. -0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :
BC7D1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	5.5	4.4	6.6

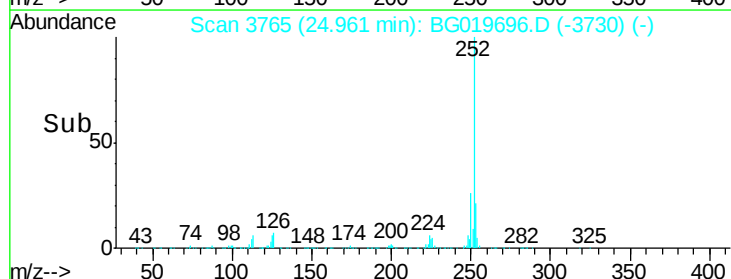
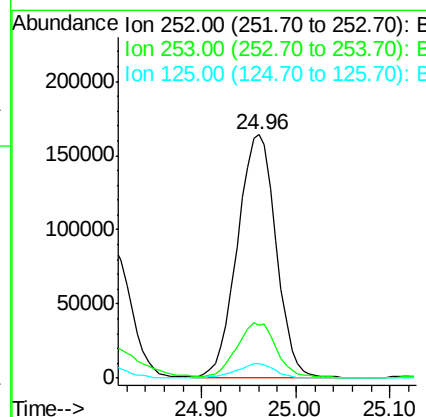
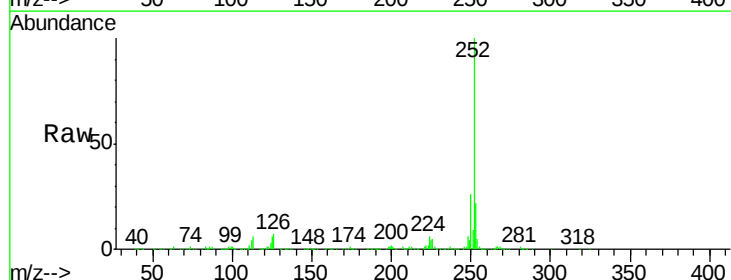
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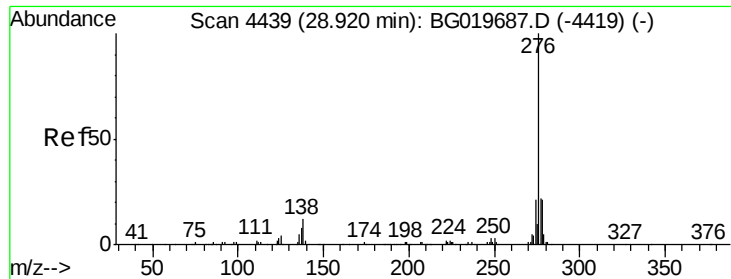
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#91
Benzo(a)pyrene
Concen: 26.05 ng/ul
RT: 24.96 min Scan# 3765
Delta R.T. 0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.9	25.3
125	6.1	5.4	8.0





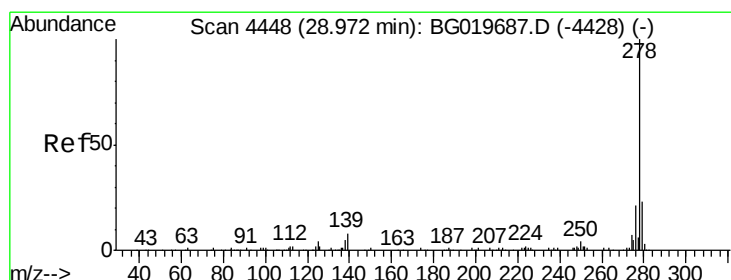
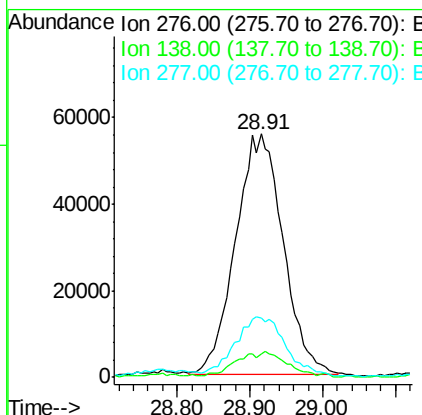
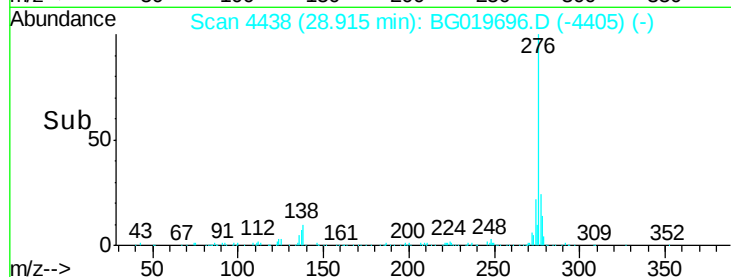
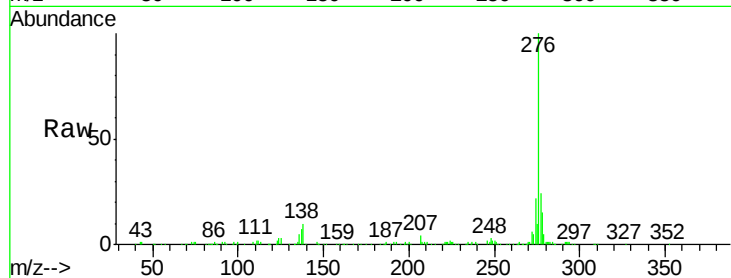
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 12.57 ng/ul m
 RT: 28.91 min Scan# 4438
 Delta R.T. -0.00 min
 Lab File: BG019696.D
 Acq: 18 Nov 2015 19:42

Instrument :
 BNA_G
 ClientSampleId :
 BC7D1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.8	9.9	14.9#
277	24.2	21.3	31.9

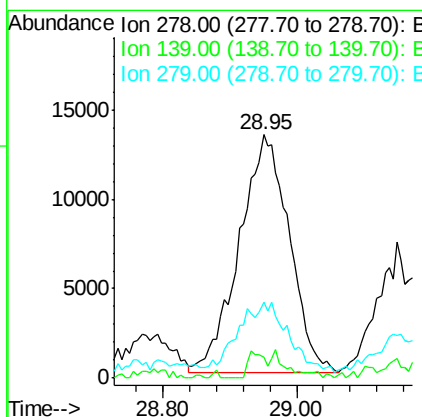
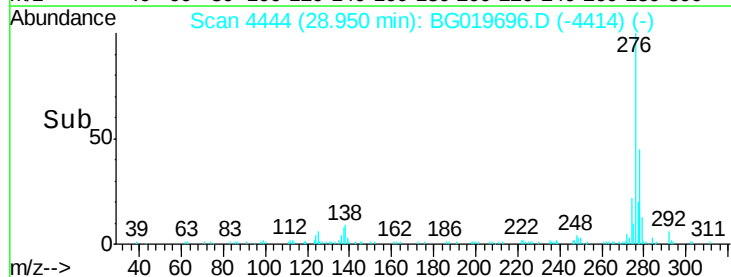
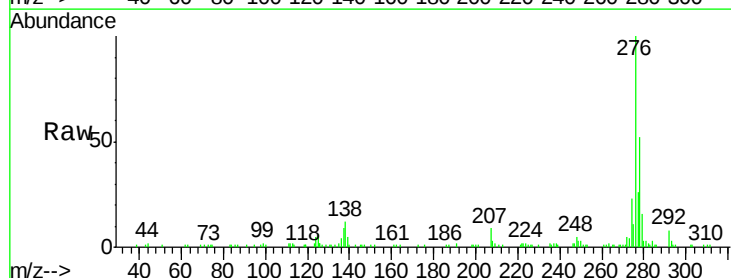
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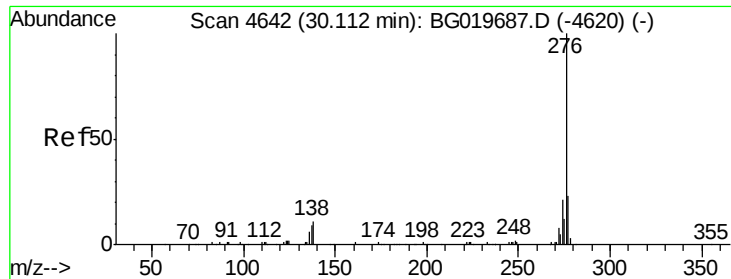
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#93
 Dibenzo(a,h)anthracene
 Concen: 4.23 ng/ul
 RT: 28.95 min Scan# 4444
 Delta R.T. -0.02 min
 Lab File: BG019696.D
 Acq: 18 Nov 2015 19:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.8	5.9	8.9
279	31.4	18.2	27.2#





#94
 Benzo(a,h,i)perylene
 Concen: 12.02 ng/ul m
 RT: 30.11 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: BG019696.D
 Acq: 18 Nov 2015 19:42

Instrument :
 BNA_G
 ClientSampleId :
 BC7D1DL

Tot Ion:	276	Resp:	198260
Ion Ratio		Lower	Upper
276	100		
138	11.1	9.2	13.8
277	24.2	18.6	28.0

Manual Integrations
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