

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020537.D
 Acq On : 26 Dec 2015 12:52
 Operator : UM/SJ
 Sample : G4802-16
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D91

Manual Integrations
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 12/28/2015 6:07:01 PM

Quant Time: Dec 28 06:54:43 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	23721	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	100480	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	68800	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	164652	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	209126	20.00	ng/ul	0.01
86) Perylene-d12	25.02	264	210049	20.00	ng/ul	0.03

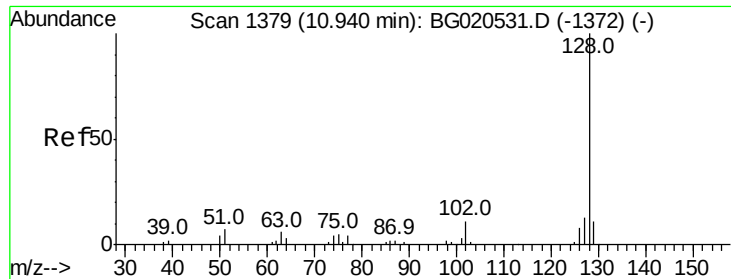
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1092	2.54	ng/uL	0.00
5) Phenol-d5	7.24	99	30066	15.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	18499	16.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	24761	16.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	25971	16.22	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	13034	16.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	15161	16.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	28451	16.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	18917	9.55	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	92839	16.37	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	111379	16.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	9149	9.68	ng/ul	0.00
58) Fluorene-d10	15.70	176	89149	17.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	10369	9.50	ng/ul	0.01
71) Anthracene-d10	17.56	188	139518	18.09	ng/ul	0.00
79) Pyrene-d10	19.84	212	165312	18.26	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	191586	18.04	ng/ul	0.04

Target Compounds

						Ovalue
28) Naphthalene	10.94	128	8132	1.52	ng/ul#	94
45) Dimethylphthalate	14.16	163	31769	5.51	ng/ul	99
48) Acenaphthylene	14.44	152	71847	10.40	ng/ul#	93
50) Acenaphthene	14.78	153	31608	6.77	ng/ul	96
54) Dibenzofuran	15.11	168	8252	1.19	ng/ul#	77
59) Fluorene	15.76	166	139341	24.75	ng/ul	99
70) Phenanthrene	17.51	178	961233	104.92	ng/ul	96
72) Anthracene	17.59	178	197265	21.06	ng/ul	98
77) Fluoranthene	19.51	202	888563	77.13	ng/ul	99
80) Pyrene	19.88	202	1286844	108.81	ng/ul	97
83) Benzo(a)anthracene	21.72	228	472957m	38.51	ng/ul	
85) Chrysene	21.79	228	582817	49.82	ng/ul	95
88) Benzo(b)fluoranthene	23.99	252	596311	47.30	ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	176598m	14.49	ng/ul	
91) Benzo(a)pyrene	24.87	252	495337	40.88	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.76	276	284129	19.58	ng/ul	95
93) Dibenzo(a,h)anthracene	28.80	278	85766	7.12	ng/ul	96
94) Benzo(g,h,i)perylene	29.94	276	265396	22.26	ng/ul	99

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



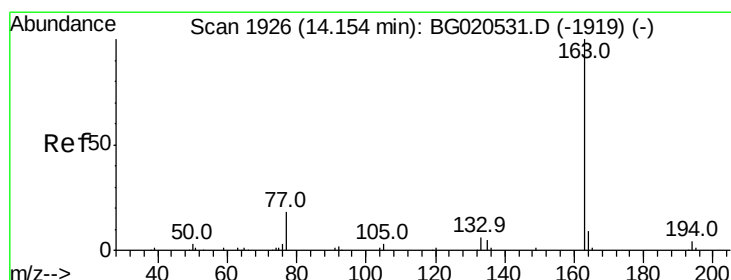
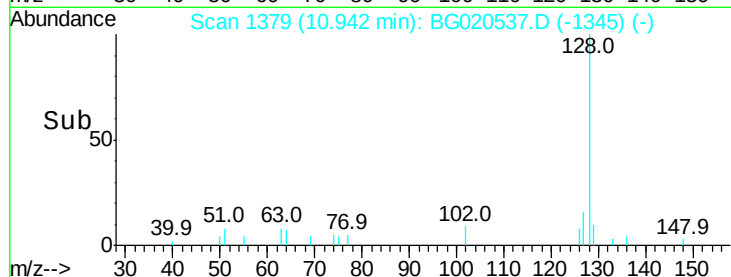
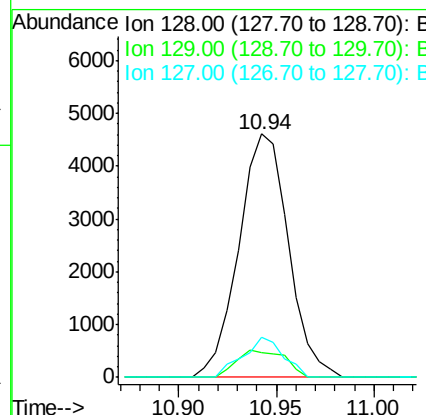
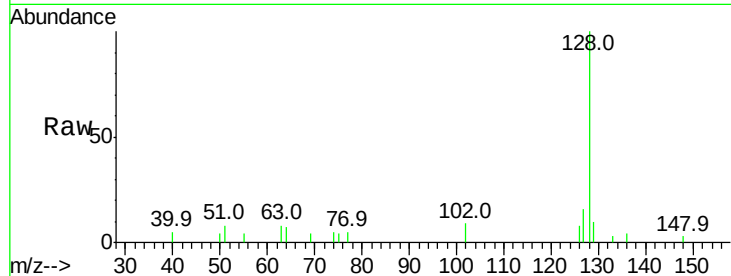
#28
Naphthalene
Concen: 1.52 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Instrument :
BNA_G
ClientSampleId :
G9D91

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.6	12.8
127	16.3	10.1	15.1

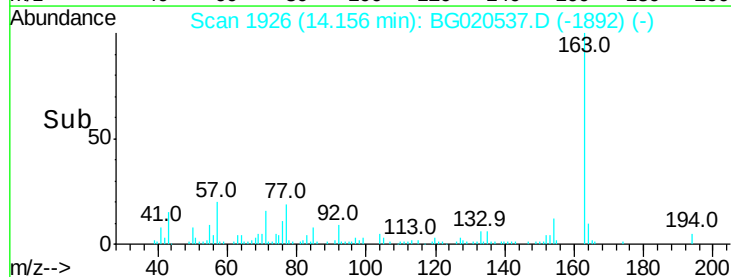
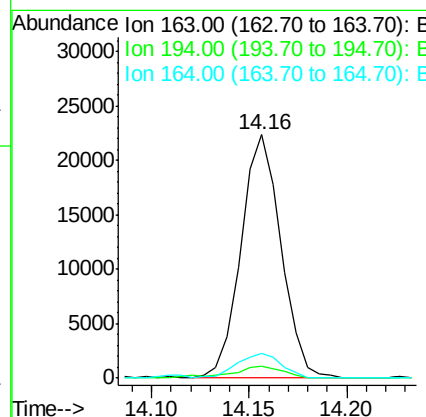
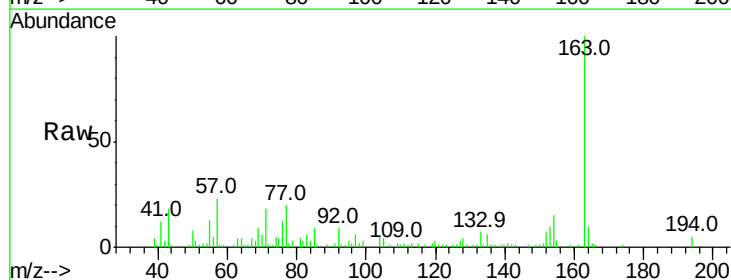
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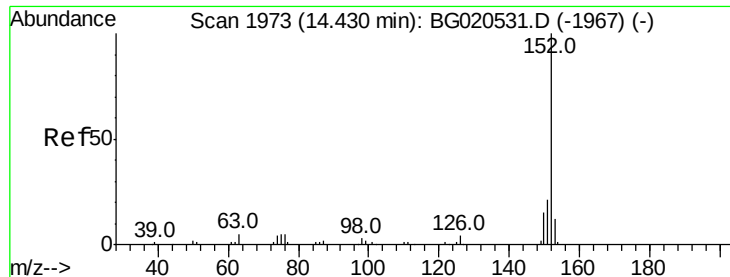
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#45
Dimethylphthalate
Concen: 5.51 ng/ul
RT: 14.16 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	9.9	7.7	11.5





#48

Acenaphthylene

Concen: 10.40 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Instrument :

BNA_G

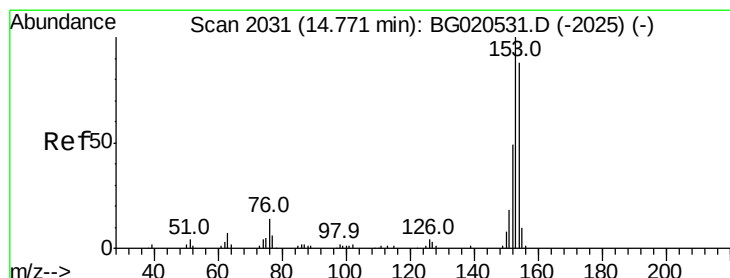
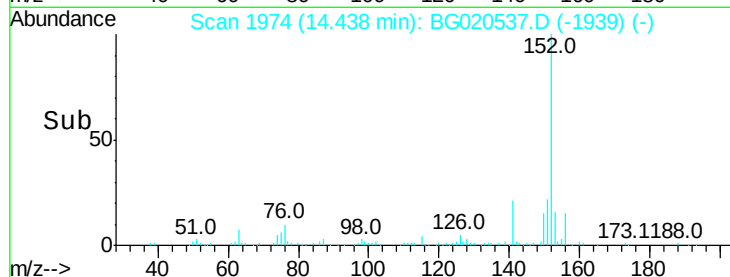
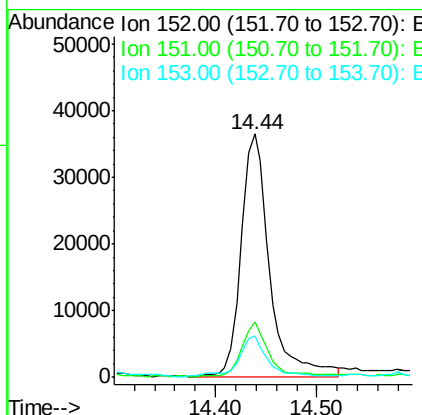
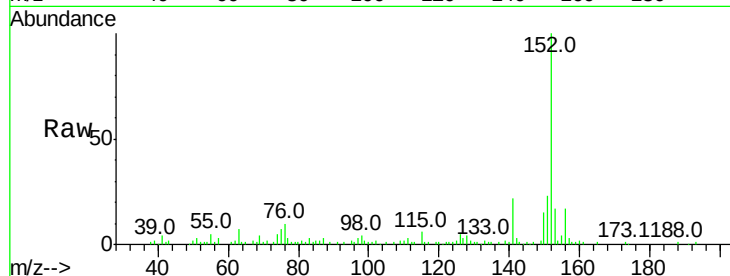
ClientSampleID :

G9D91

Tot Ion:	152	Resp:	71847
Ion Ratio	Lower	Upper	
152	100		
151	22.8	16.4	24.6
153	16.8	10.4	15.6

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#50

Acenaphthene

Concen: 6.77 ng/ul

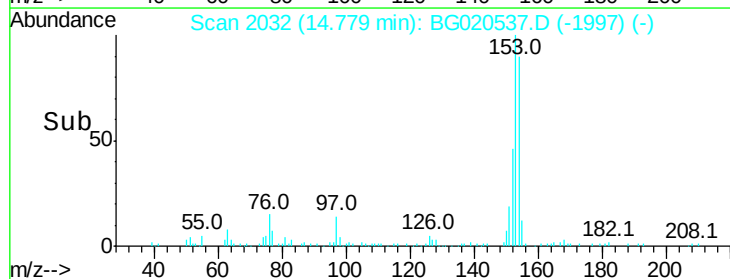
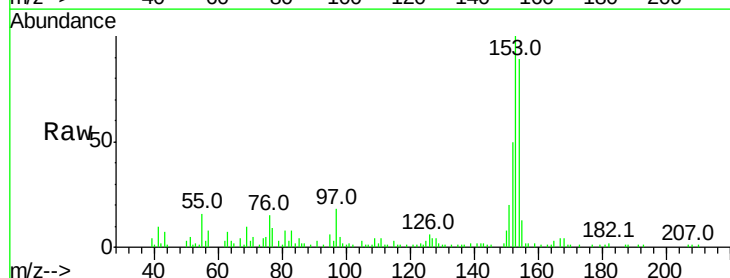
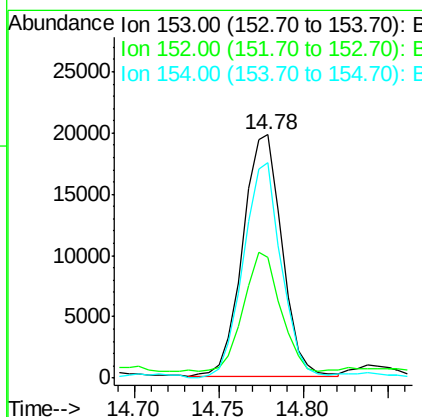
RT: 14.78 min Scan# 2032

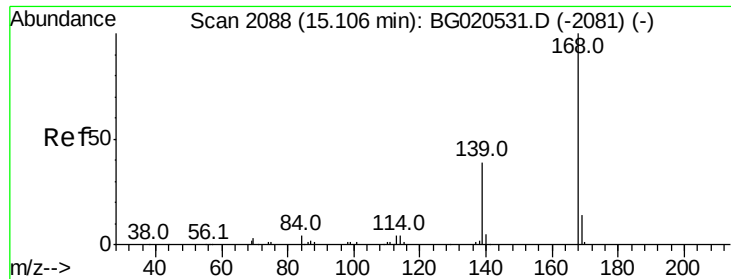
Delta R.T. 0.01 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Tgt Ion:	153	Resp:	31608
Ion Ratio	Lower	Upper	
153	100		
152	49.8	37.6	56.4
154	88.6	67.9	101.9





#54

Dibenzofuran

Concen: 1.19 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Instrument :

BNA_G

ClientSampled :

G9D91

Tot Ion:168 Resp: 8252

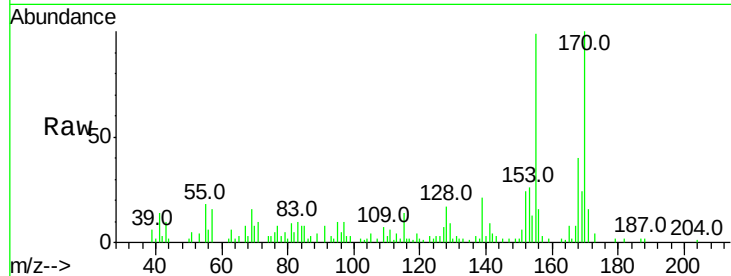
Ion Ratio Lower Upper

168 100

139 52.1 30.5 45.7#

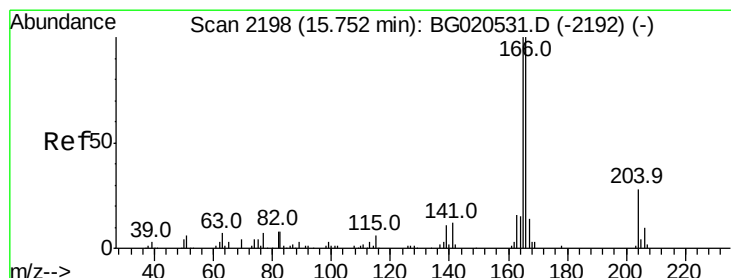
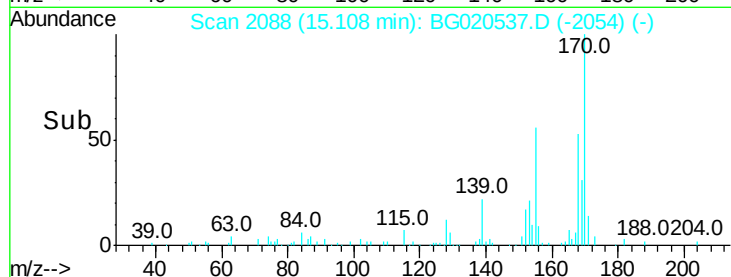
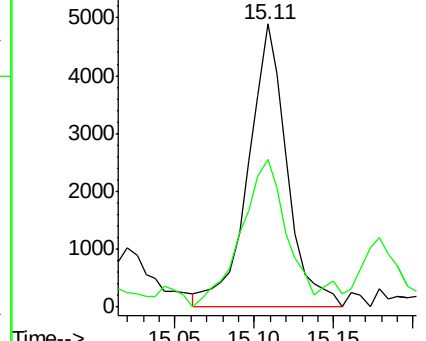
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 24.75 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

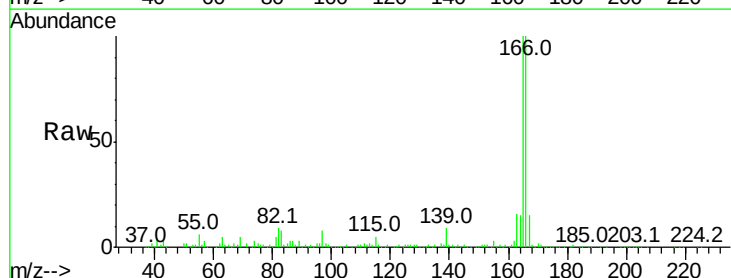
Tgt Ion:166 Resp: 139341

Ion Ratio Lower Upper

166 100

165 100.4 81.4 122.0

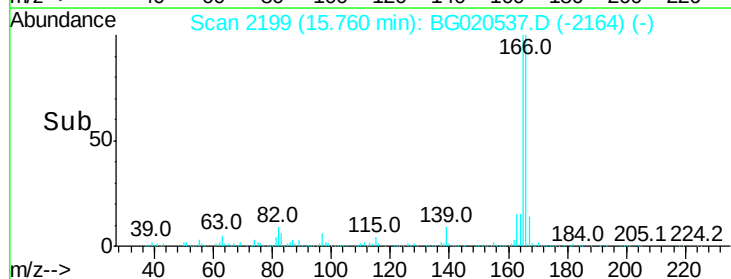
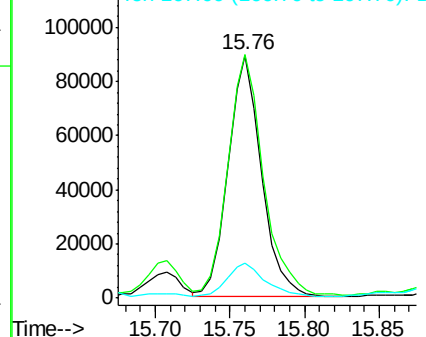
167 14.7 11.2 16.8

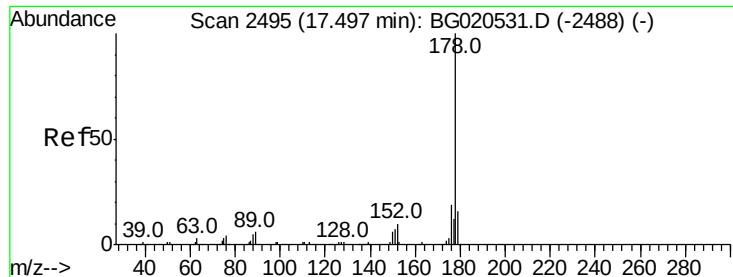


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





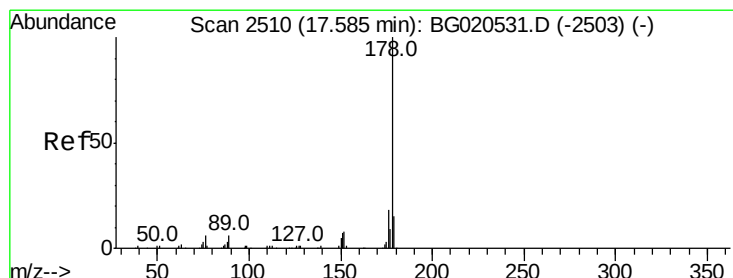
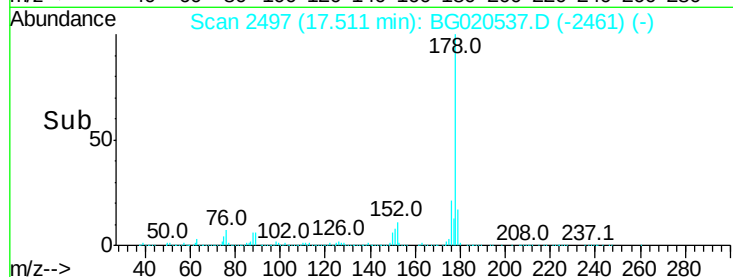
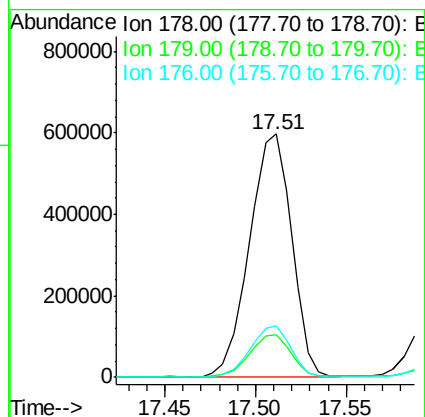
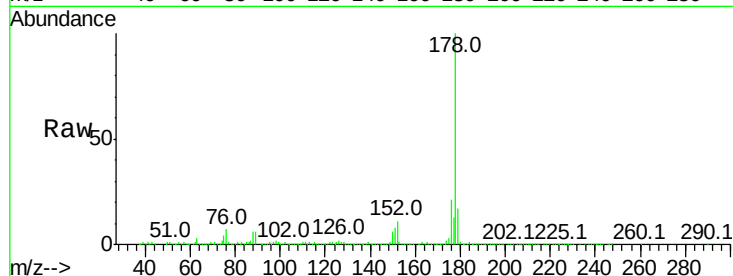
#70
Phenanthrene
Concen: 104.92 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Instrument :
BNA_G
ClientSampleId :
G9D91

Tot Ion:	178	Resp:	961233
Ion Ratio	Lower	Upper	
178	100		
179	17.4	12.9	19.3
176	21.1	15.3	22.9

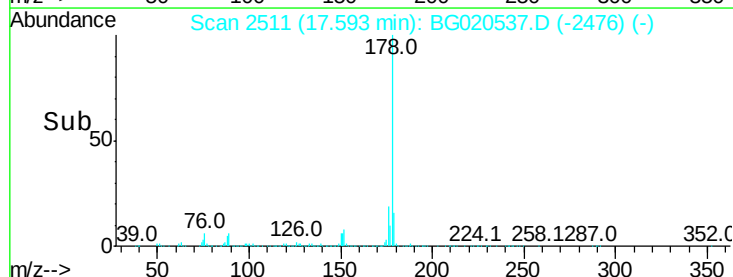
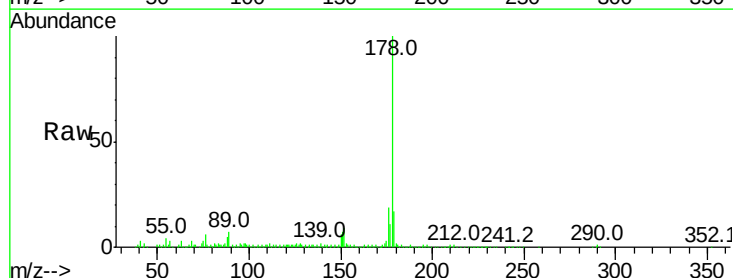
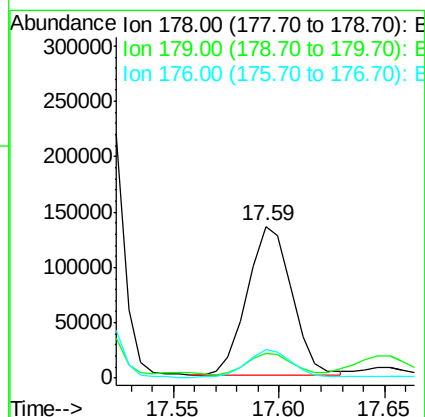
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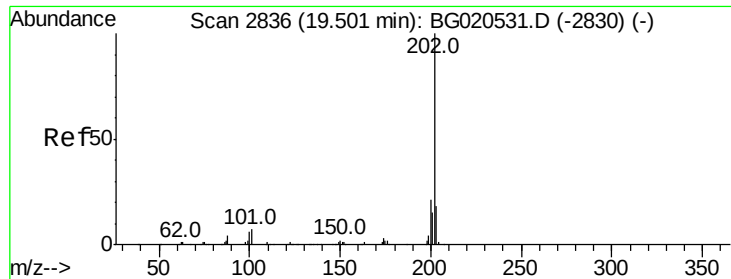
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#72
Anthracene
Concen: 21.06 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Tgt Ion:	178	Resp:	197265
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.3	18.5
176	18.8	14.3	21.5





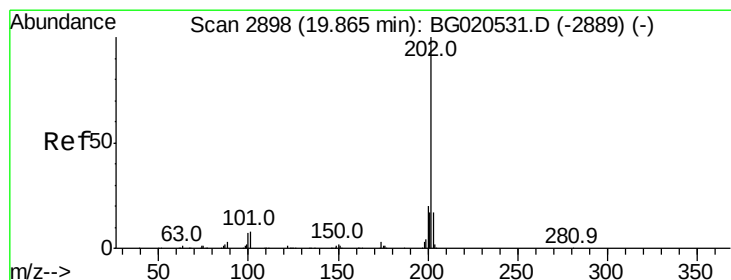
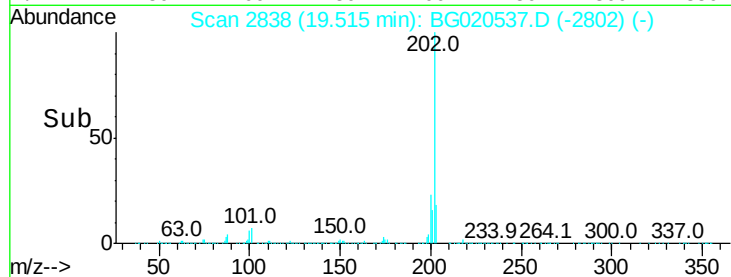
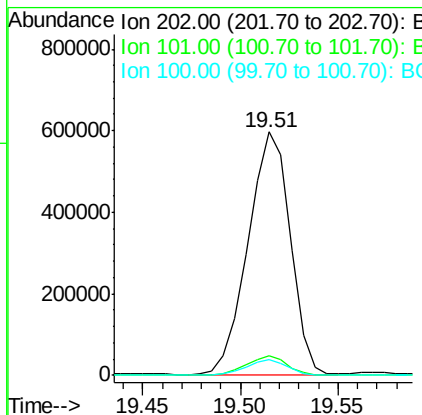
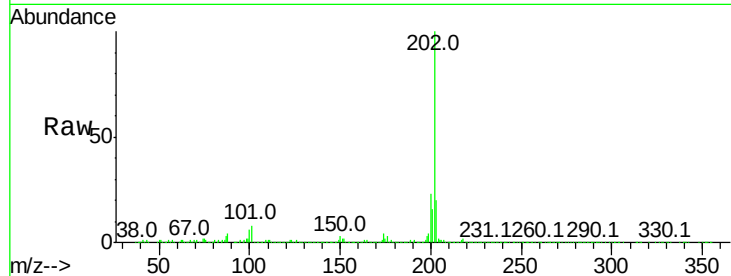
#77
 Fluoranthene
 Concen: 77.13 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BG020537.D
 Acq: 26 Dec 2015 12:52

Instrument :
 BNA_G
 ClientSampleId :
 G9D91

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		888563		
101	8.1	6.2	9.4		
100	6.5	5.1	7.7		

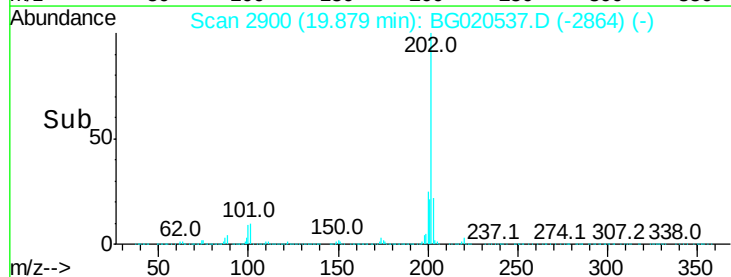
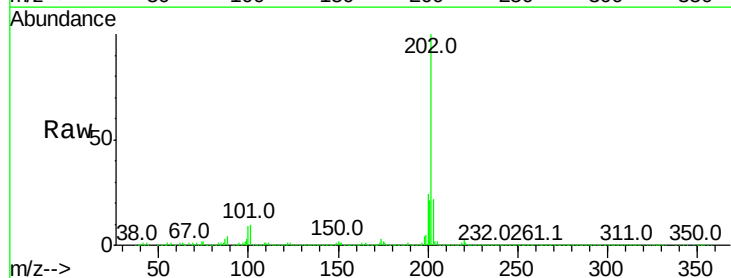
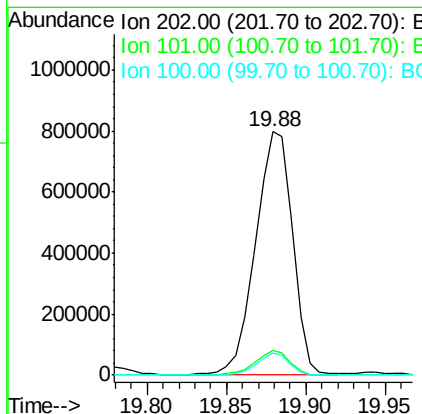
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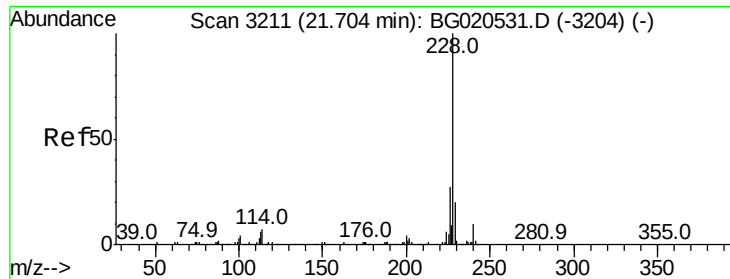
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#80
 Pyrene
 Concen: 108.81 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BG020537.D
 Acq: 26 Dec 2015 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1286844		
101	9.9	7.0	10.4		
100	8.9	6.4	9.6		





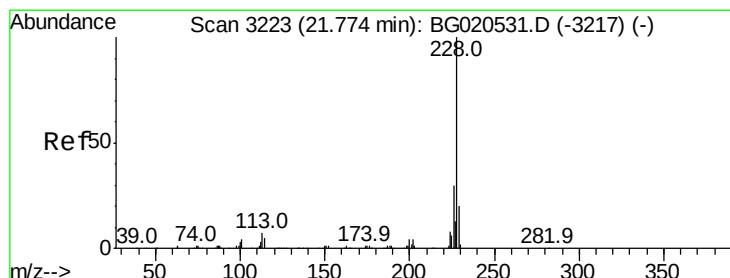
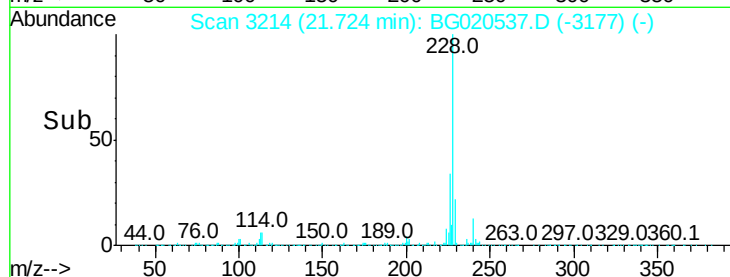
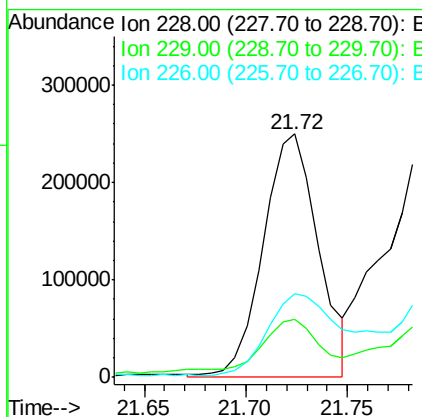
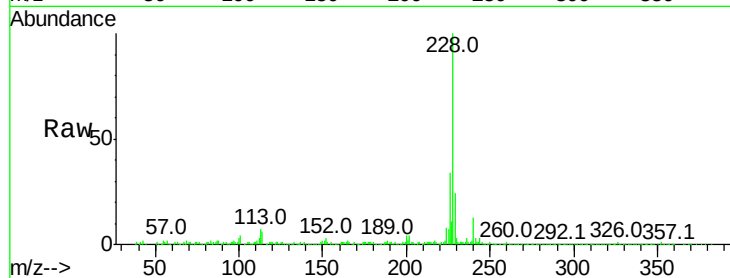
#83
Benzo(a)anthracene
Concen: 38.51 ng/ul m
RT: 21.72 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Instrument :
BNA_G
ClientSampleId :
G9D91

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.6	15.8	23.8
226	34.4	21.8	32.6

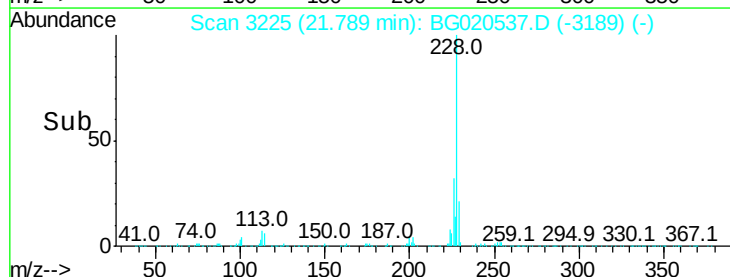
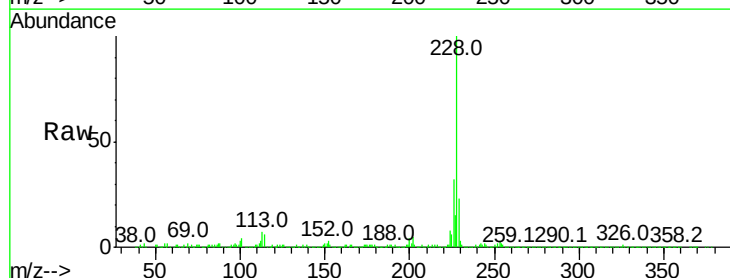
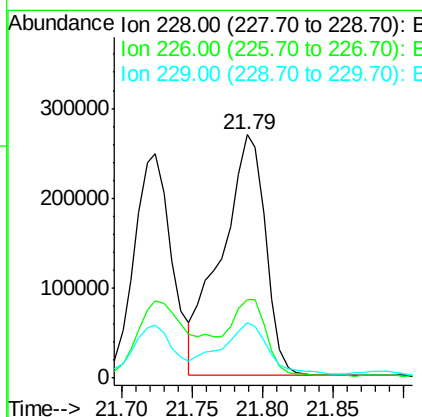
Manual Integrations
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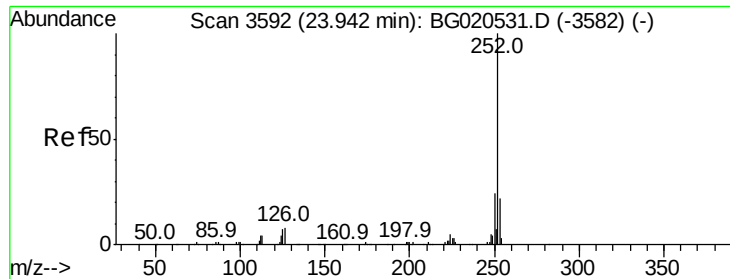
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#85
Chrysene
Concen: 49.82 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	22.5	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 47.30 ng/ul

RT: 23.99 min Scan# 3599

Delta R.T. 0.04 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Instrument :

BNA_G

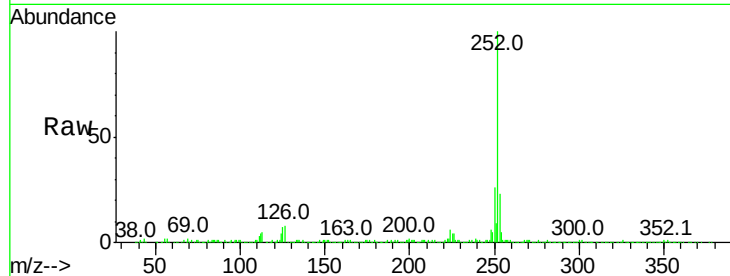
ClientSampleId :

G9D91

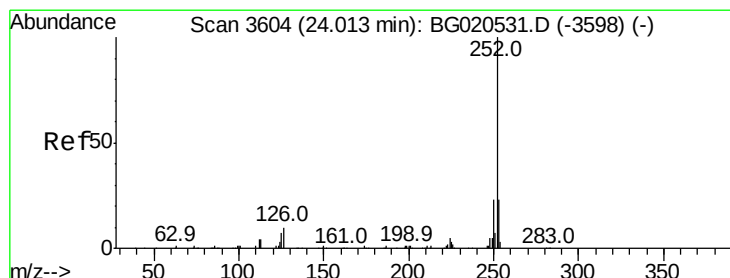
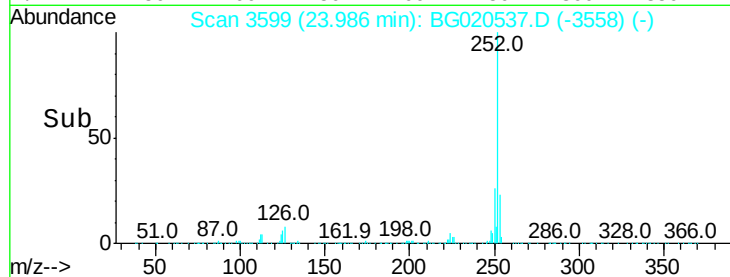
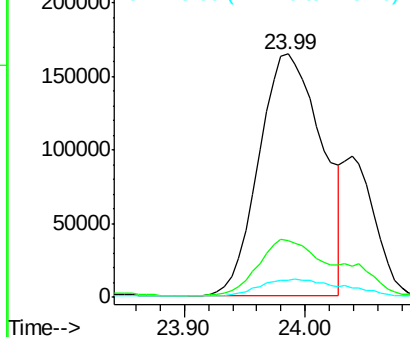
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.7	25.1
125	7.1	6.2	9.2

Manual Integrations
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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: 14.49 ng/ul m

RT: 24.04 min Scan# 3608

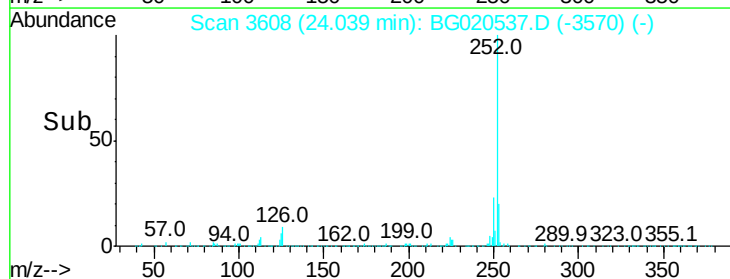
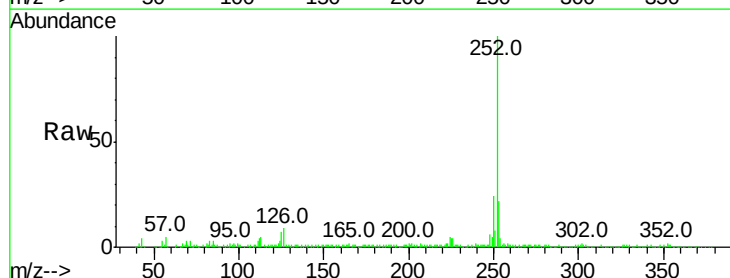
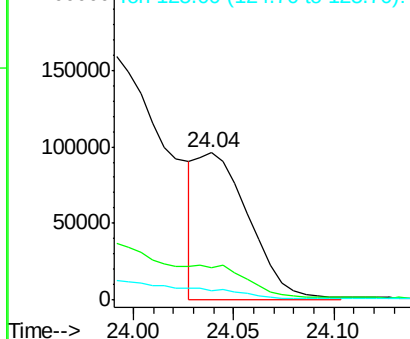
Delta R.T. 0.03 min

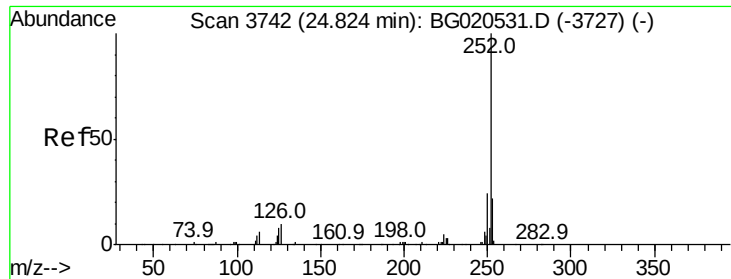
Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	6.5	5.8	8.6

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





#91

Benzo(a)pyrene

Concen: 40.88 ng/ul

RT: 24.87 min Scan# 3750

Delta R.T. 0.05 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Instrument :

BNA_G

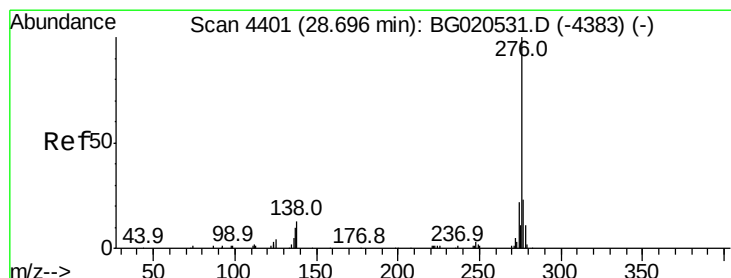
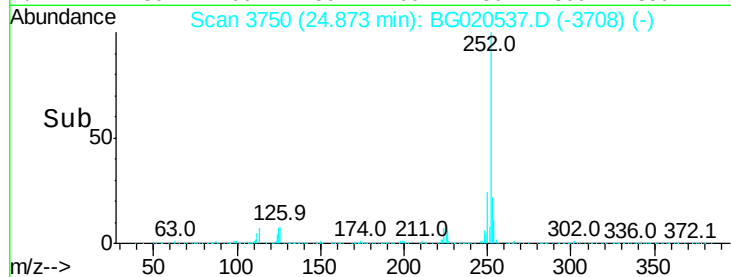
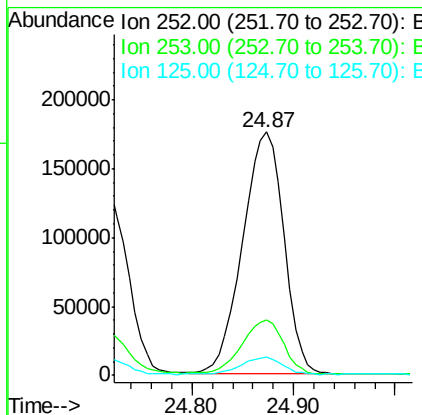
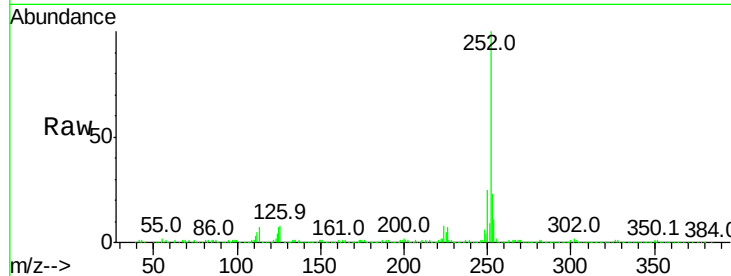
ClientSampleId :

G9D91

Tot Ion:	252	Resp:	495337
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.4
125	7.4	6.2	9.4

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:01 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 19.58 ng/ul

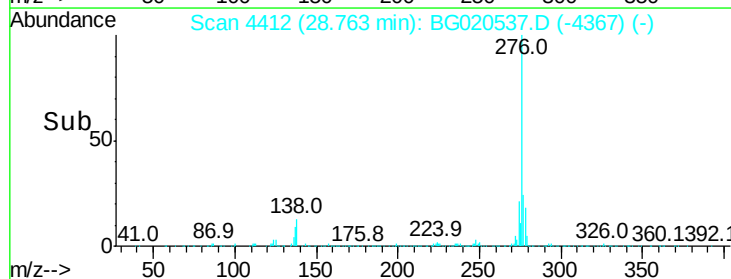
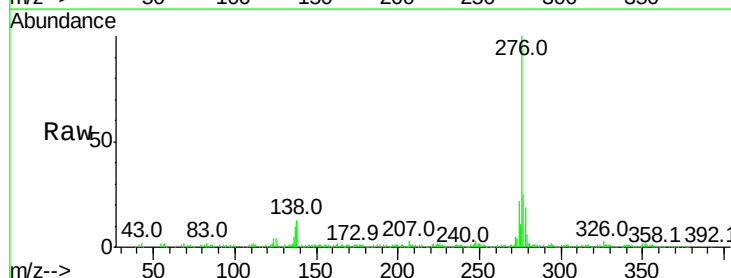
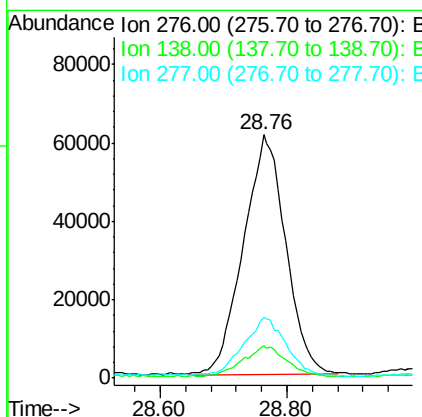
RT: 28.76 min Scan# 4412

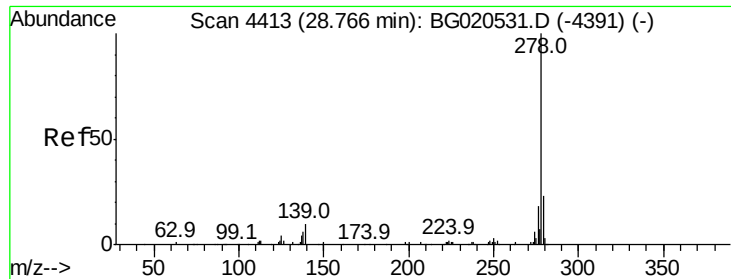
Delta R.T. 0.07 min

Lab File: BG020537.D

Acq: 26 Dec 2015 12:52

Tgt Ion:	276	Resp:	284129
Ion Ratio	Lower	Upper	
276	100		
138	13.4	11.4	17.0
277	24.7	17.4	26.0





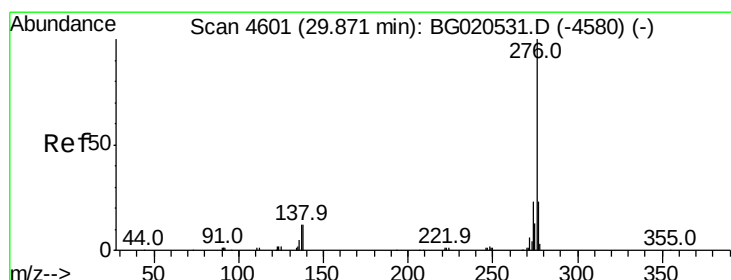
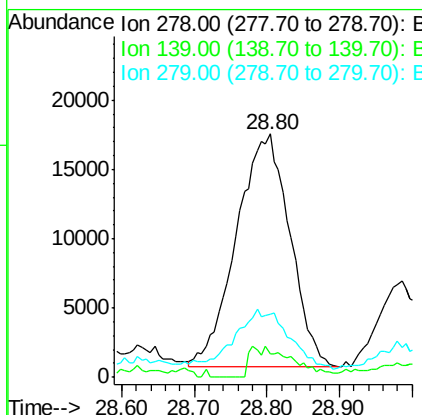
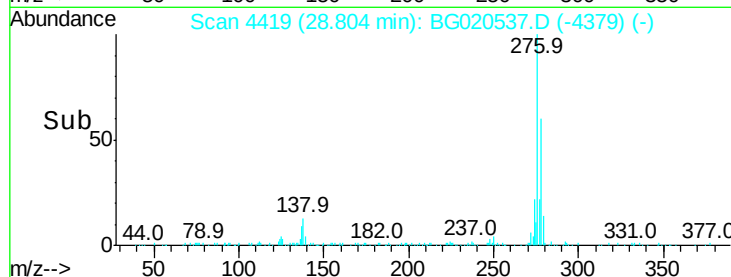
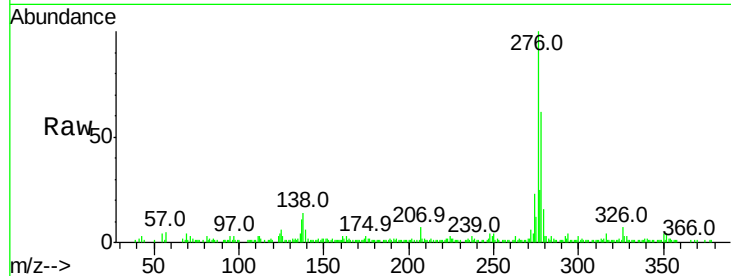
#93
Dibenzo(a,h)anthracene
Concen: 7.12 ng/ul
RT: 28.80 min Scan# 4419
Delta R.T. 0.04 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Instrument :
BNA_G
ClientSampleId :
G9D91

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.8	9.4	14.2
279	25.9	19.4	29.0

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:01 PM



#94
Benzo(g,h,i)perylene
Concen: 22.26 ng/ul
RT: 29.94 min Scan# 4612
Delta R.T. 0.07 min
Lab File: BG020537.D
Acq: 26 Dec 2015 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	10.8	16.2
277	24.1	19.9	29.9

