

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020538.D
 Acq On : 26 Dec 2015 13:32
 Operator : UM/SJ
 Sample : G4802-17
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D92

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:04 PM

Quant Time: Dec 28 07:01:35 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	19000	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	81930	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	56775	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	140695	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	172915	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	168392	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1292	3.75	ng/uL	0.00
5) Phenol-d5	7.24	99	33017	21.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	20456	22.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26290	22.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	22087	17.22	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14713	22.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	17457	23.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	30395	21.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	29764	18.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	96959	20.72	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	127389	23.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13170	16.88	ng/ul	0.00
58) Fluorene-d10	15.70	176	99079	23.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	14075	15.09	ng/ul	0.00
71) Anthracene-d10	17.56	188	153112	23.23	ng/ul	0.00
79) Pyrene-d10	19.84	212	178708	23.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	203124	23.86	ng/ul	0.02

Target Compounds

						Ovalue
28) Naphthalene	10.94	128	25113	5.77	ng/ul	99
34) 2-Methylnaphthalene	12.55	142	11772	3.65	ng/ul	98
45) Dimethylphthalate	14.16	163	41210	8.66	ng/ul	98
48) Acenaphthylene	14.44	152	40729	7.15	ng/ul	98
70) Phenanthrene	17.50	178	34500	4.41	ng/ul	95
72) Anthracene	17.59	178	13292	1.66	ng/ul	95
77) Fluoranthene	19.50	202	86123	8.75	ng/ul	99
80) Pyrene	19.87	202	207961	21.27	ng/ul	100
83) Benzo(a)anthracene	21.71	228	125493	12.36	ng/ul	91
85) Chrysene	21.78	228	144934	14.98	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	188527	18.65	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	48685m	4.98	ng/ul	
91) Benzo(a)pyrene	24.86	252	170926	17.59	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.74	276	105934	9.10	ng/ul	98
93) Dibenzo(a,h)anthracene	28.78	278	37928m	3.93	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	118570	12.41	ng/ul	98

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

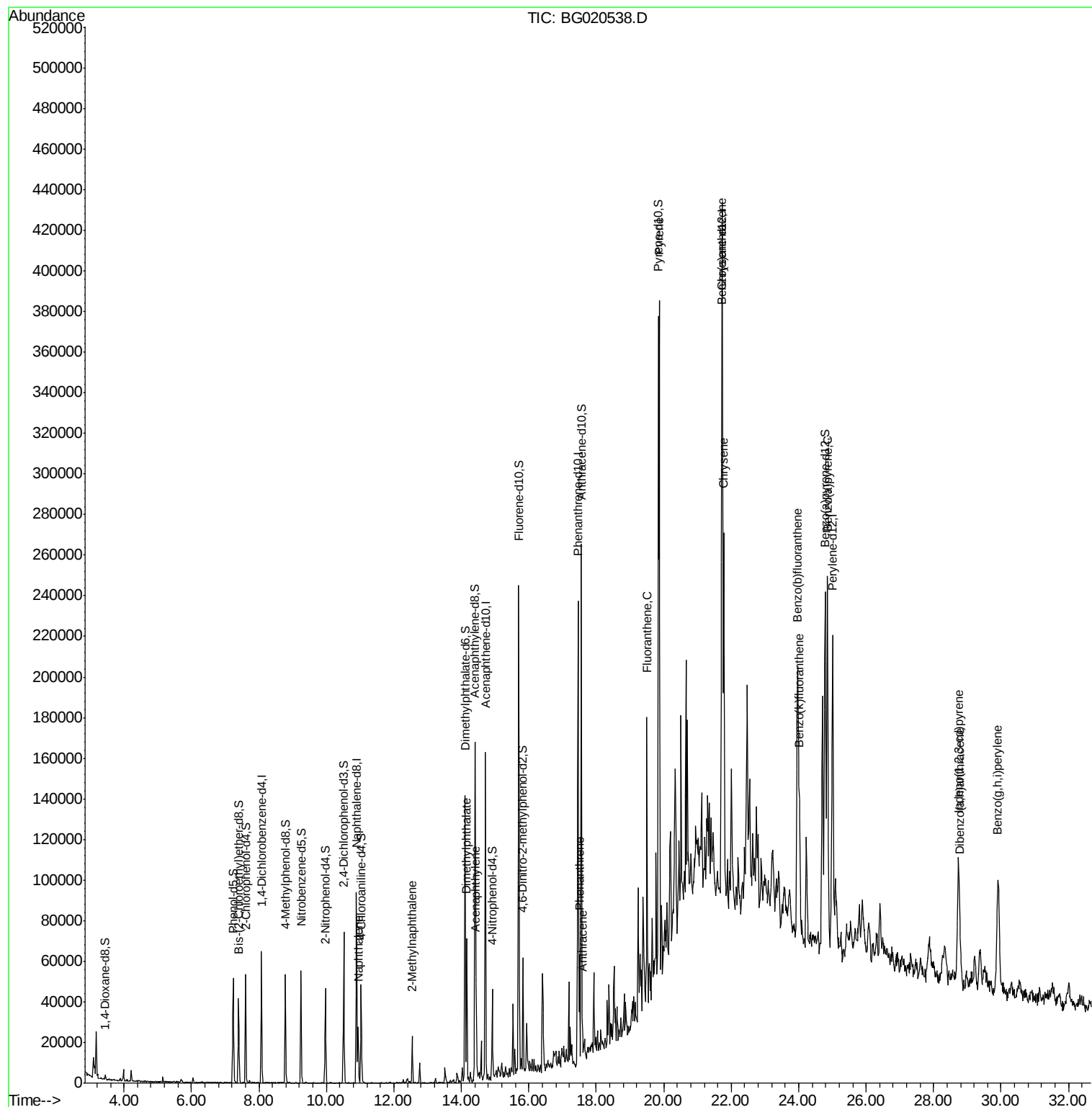
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020538.D
Acq On : 26 Dec 2015 13:32
Operator : UM/SJ
Sample : G4802-17
Misc :
ALS Vial : 75 Sample Multiplier: 1

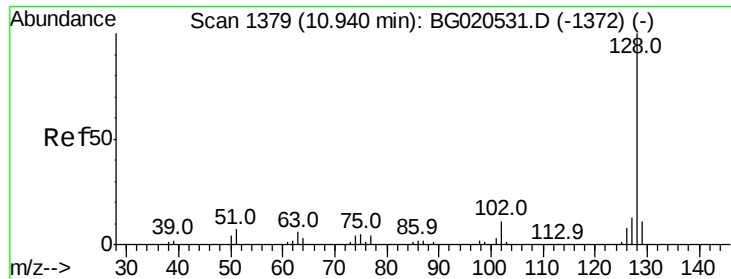
Instrument :
BNA_G
ClientSampled :
G9D92

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
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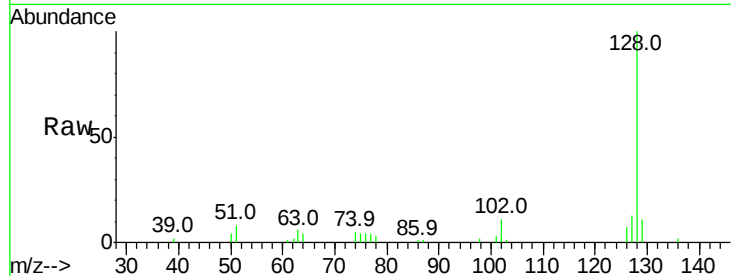
#28
Naphthalene
Concen: 5.77 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Instrument :
BNA_G
ClientSampleId :
G9D92

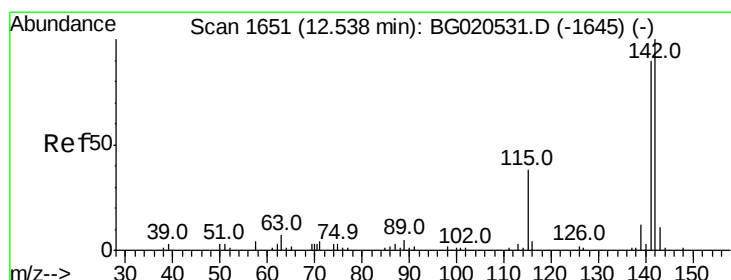
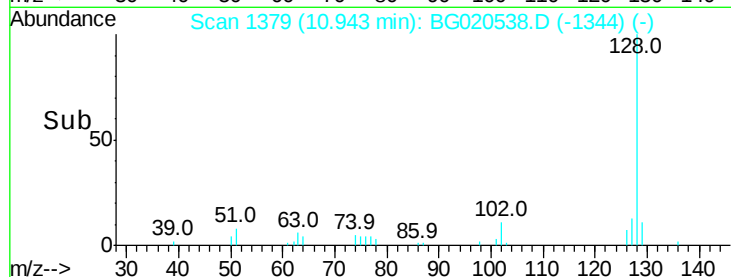
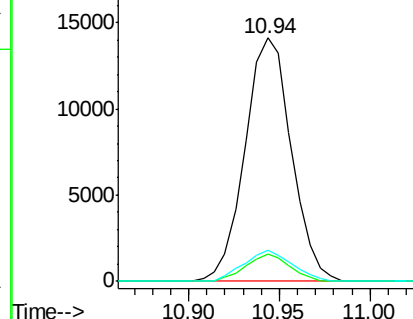
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.8	10.1	15.1

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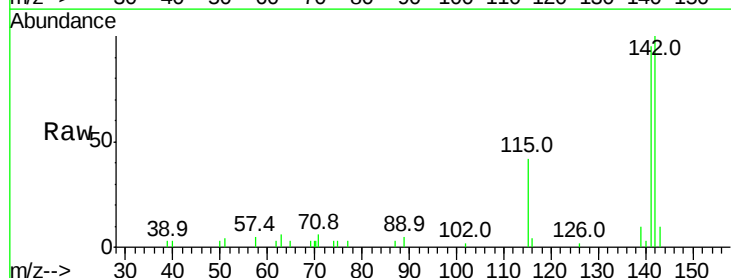


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

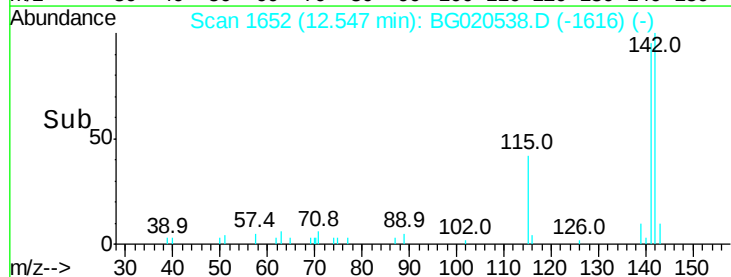
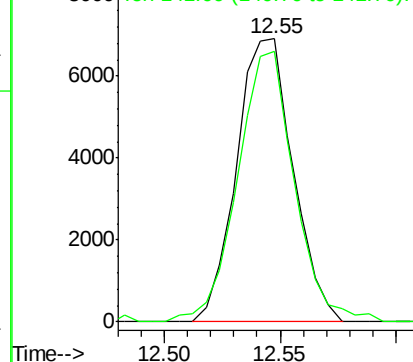


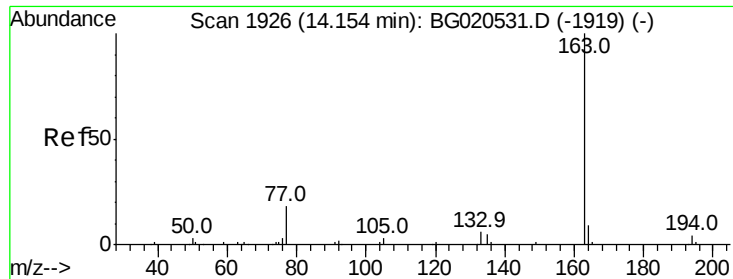
#34
2-Methylnaphthalene
Concen: 3.65 ng/ul
RT: 12.55 min Scan# 1652
Delta R.T. 0.01 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	74.9	112.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 8.66 ng/ul

RT: 14.16 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Instrument :

BNA_G

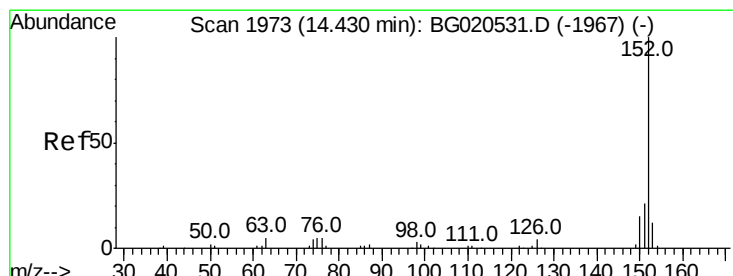
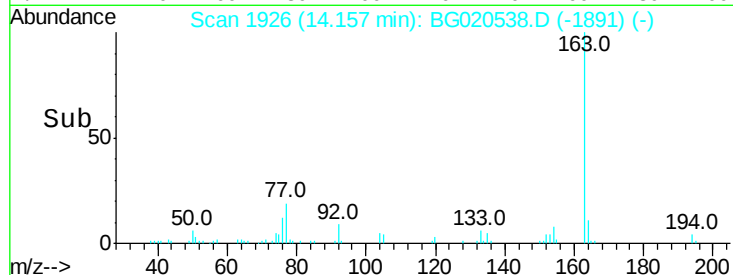
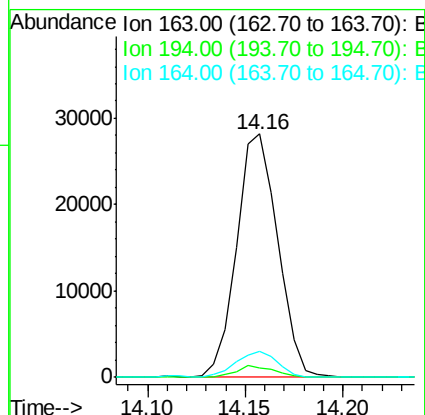
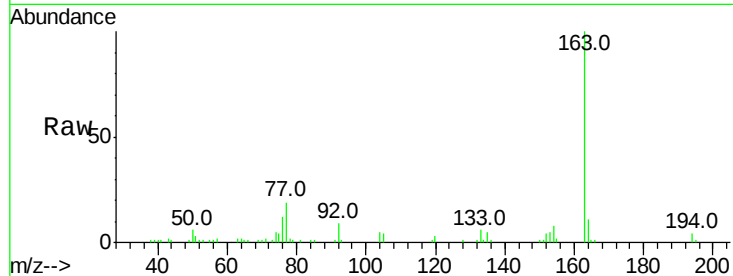
ClientSampleId :

G9D92

Tot Ion:	163	Resp:	41210
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	10.6	7.7	11.5

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#48

Acenaphthylene

Concen: 7.15 ng/ul

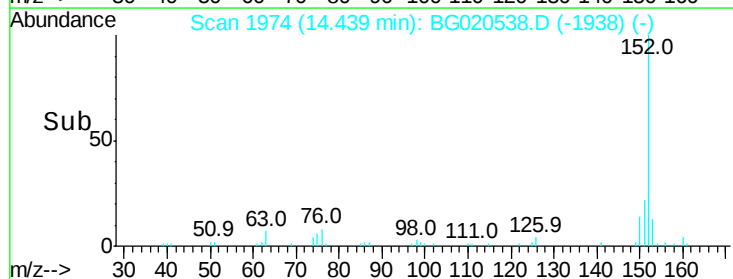
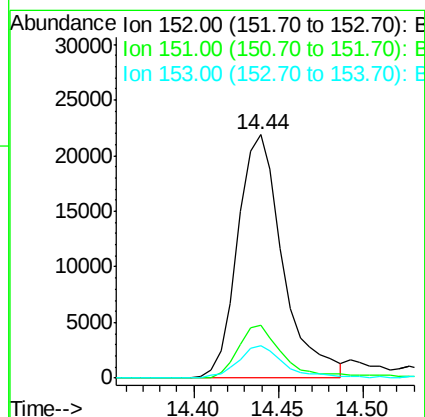
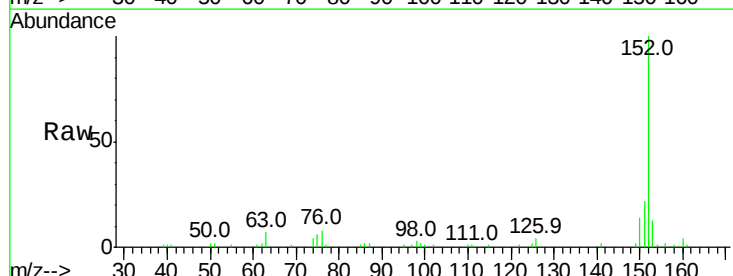
RT: 14.44 min Scan# 1974

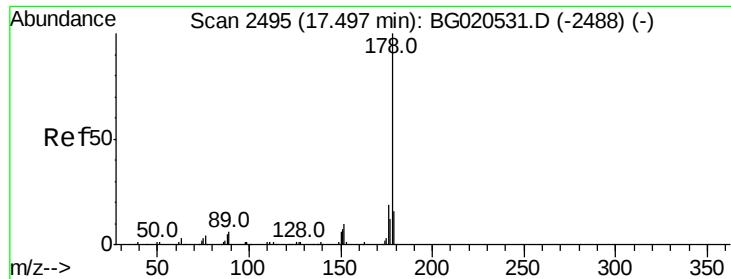
Delta R.T. 0.01 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Tgt Ion:	152	Resp:	40729
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.4	24.6
153	13.1	10.4	15.6





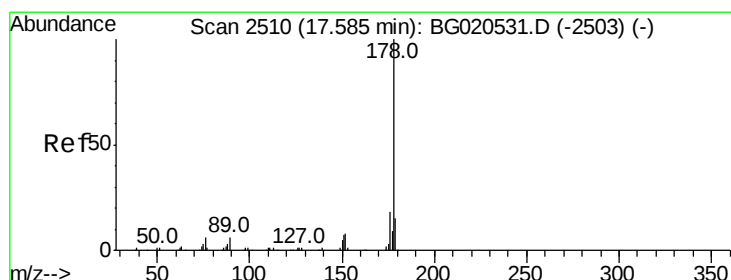
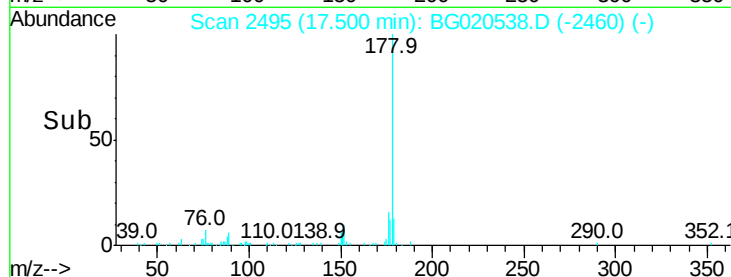
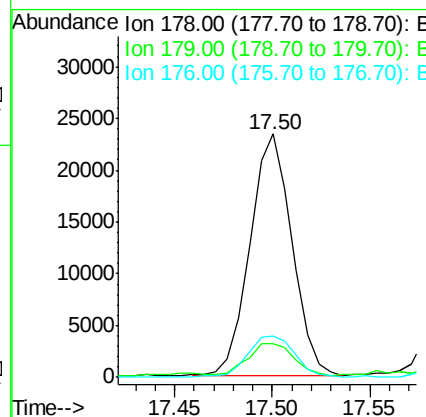
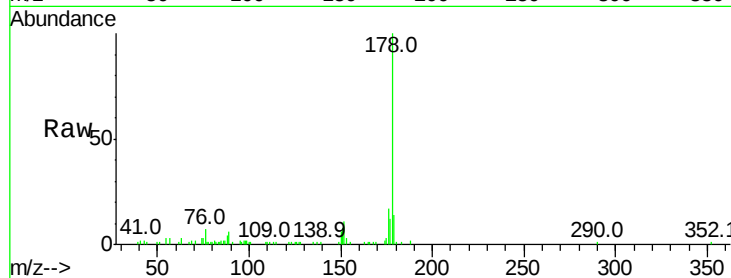
#70
Phenanthrene
Concen: 4.41 ng/ul
RT: 17.50 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Instrument :
BNA_G
ClientSampleId :
G9D92

Tot Ion	Ratio	Lower	Upper
178	100		
179	13.9	12.9	19.3
176	16.9	15.3	22.9

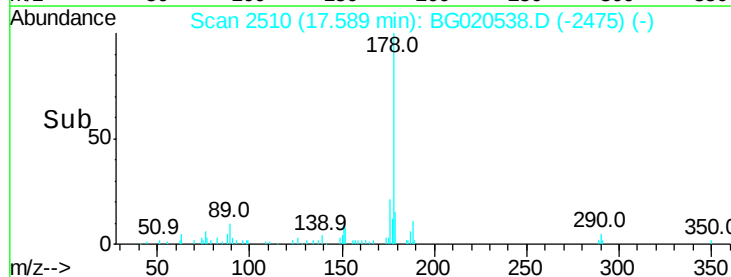
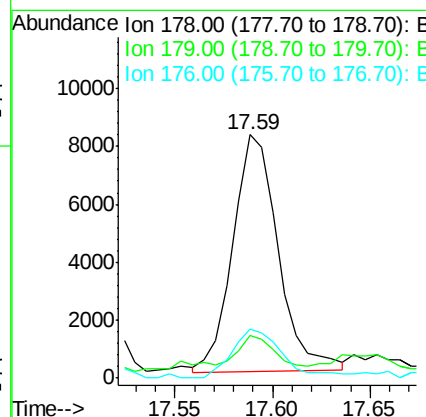
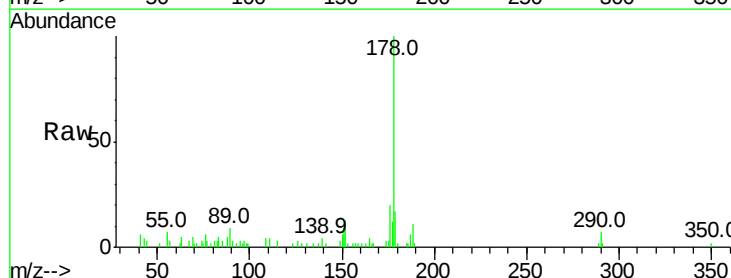
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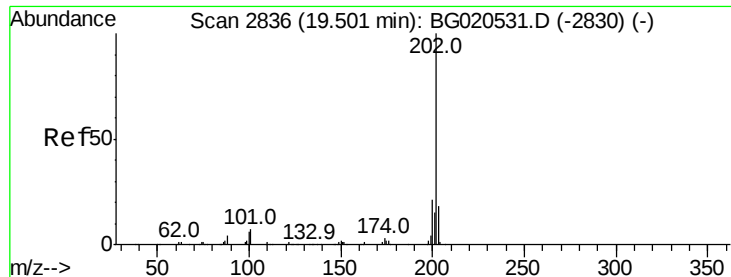
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#72
Anthracene
Concen: 1.66 ng/ul
RT: 17.59 min Scan# 2510
Delta R.T. 0.00 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.3	18.5
176	20.1	14.3	21.5





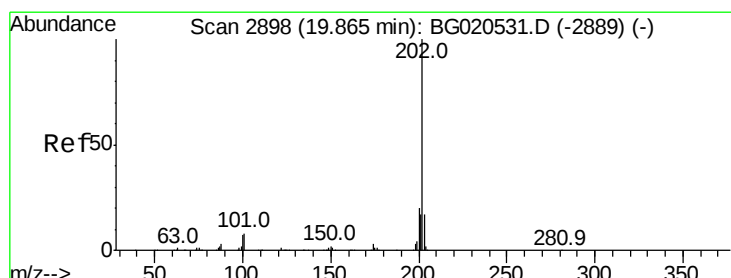
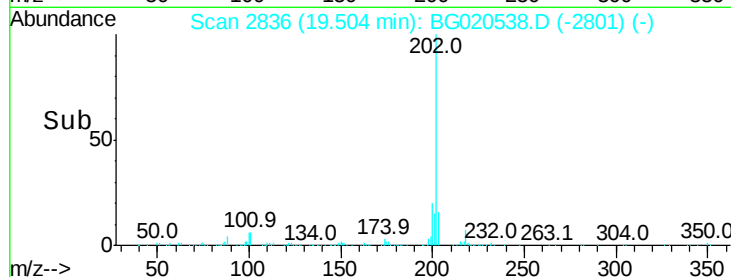
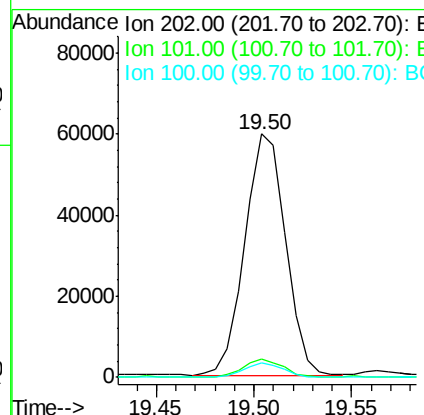
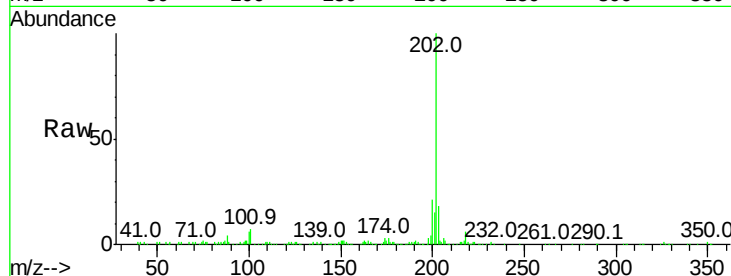
#77
Fluoranthene
 Concen: 8.75 ng/ul
 RT: 19.50 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: BG020538.D
 Acq: 26 Dec 2015 13:32

Instrument :
 BNA_G
 ClientSampleId :
 G9D92

Tot Ion:	202	Resp:	86123
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.2	9.4
100	6.0	5.1	7.7

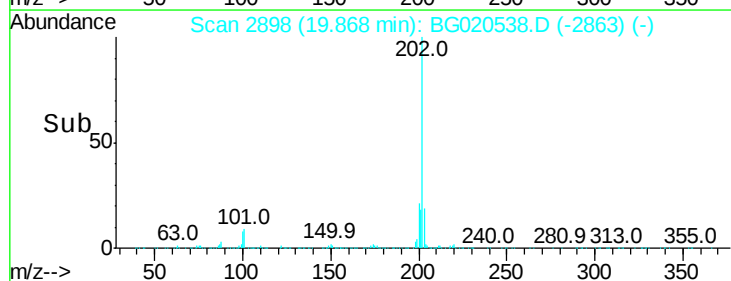
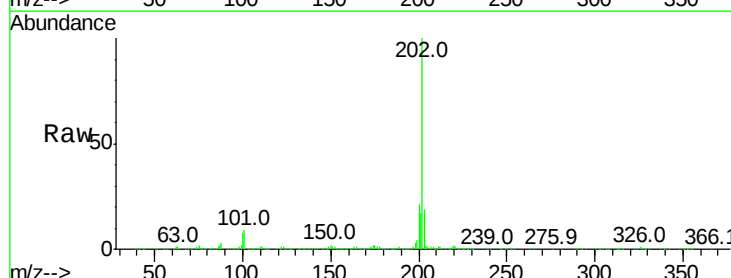
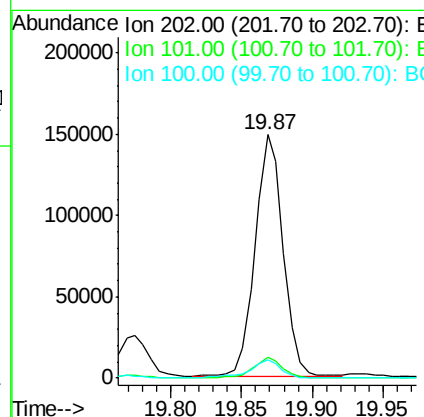
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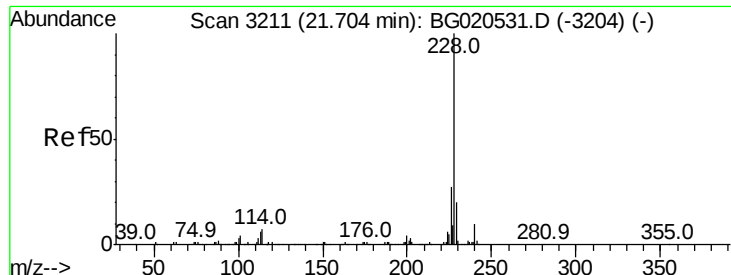
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#80
Pyrene
 Concen: 21.27 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: BG020538.D
 Acq: 26 Dec 2015 13:32

Tgt Ion:	202	Resp:	207961
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
100	7.7	6.4	9.6





#83

Benzo(a)anthracene

Concen: 12.36 ng/ul

RT: 21.71 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Instrument :

BNA_G

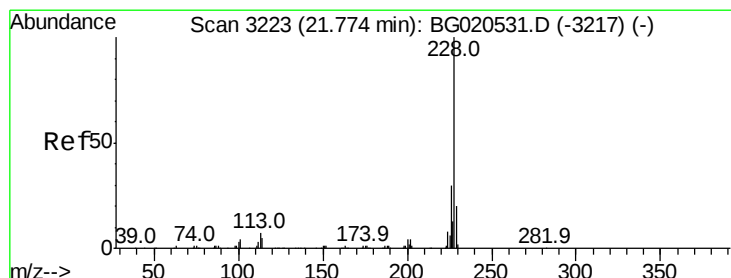
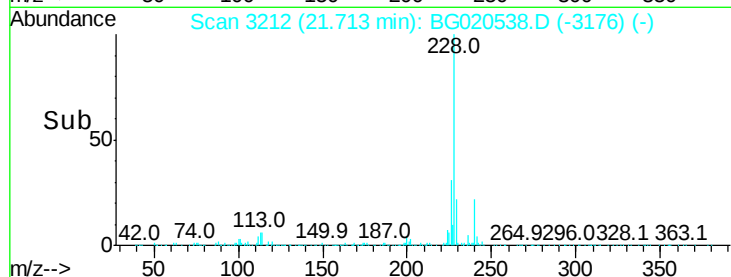
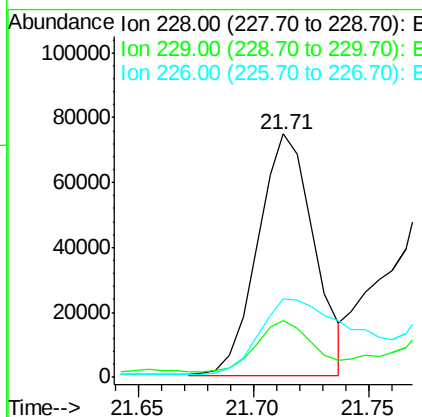
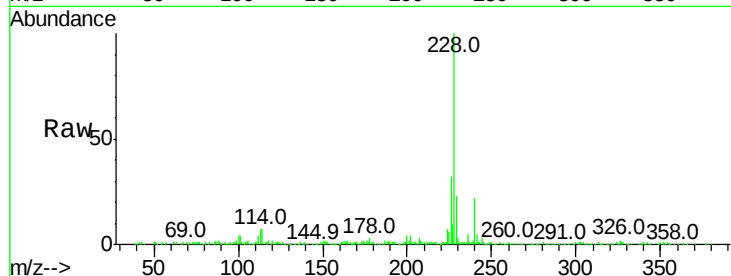
ClientSampled :

G9D92

Tot Ion:	228	Resp:	125493
Ion Ratio	Lower	Upper	
228	100		
229	23.4	15.8	23.8
226	32.1	21.8	32.6

Manual Integrations
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#85

Chrysene

Concen: 14.98 ng/ul

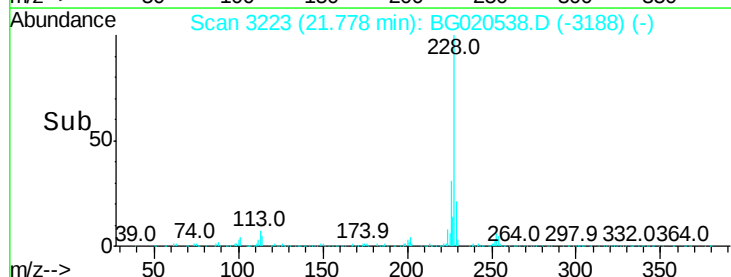
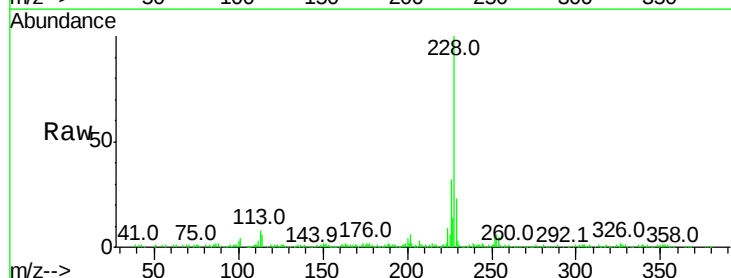
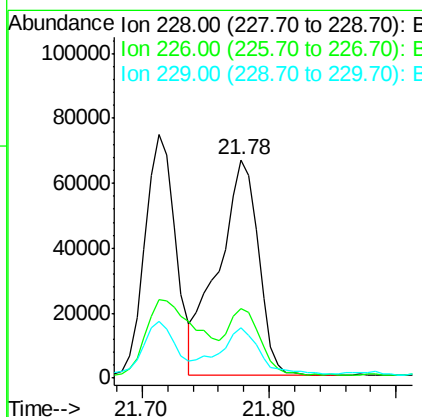
RT: 21.78 min Scan# 3223

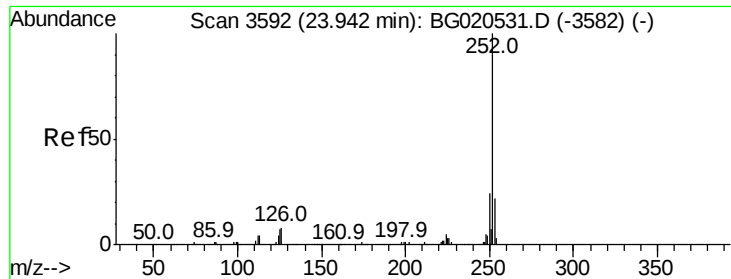
Delta R.T. 0.00 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Tgt Ion:	228	Resp:	144934
Ion Ratio	Lower	Upper	
228	100		
226	32.0	23.9	35.9
229	23.1	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 18.65 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.03 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Instrument :

BNA_G

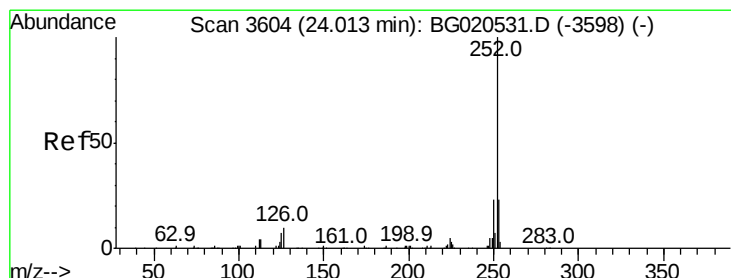
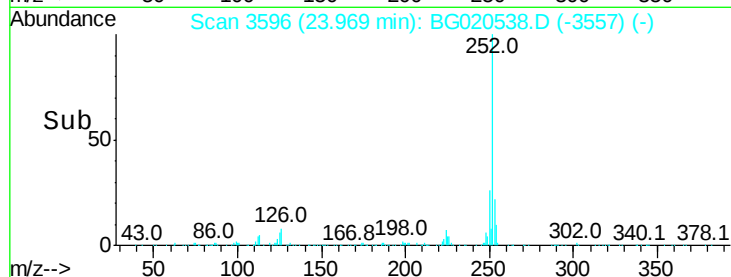
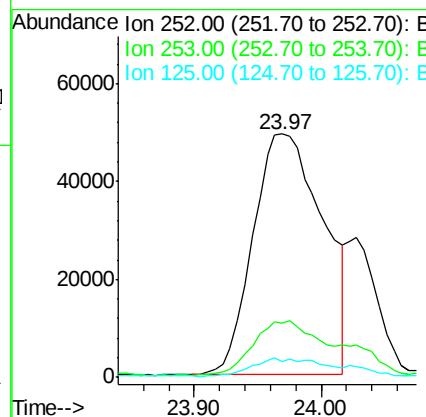
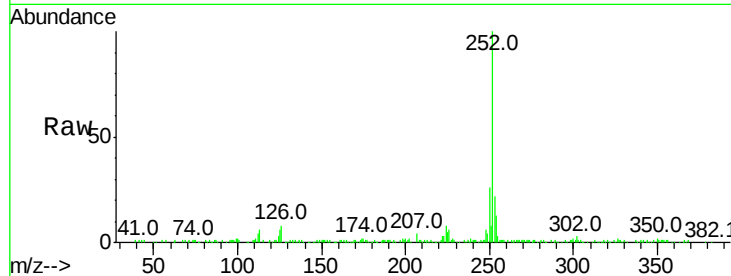
ClientSampleId :

G9D92

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.7	25.1
125	6.3	6.2	9.2

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 4.98 ng/ul m

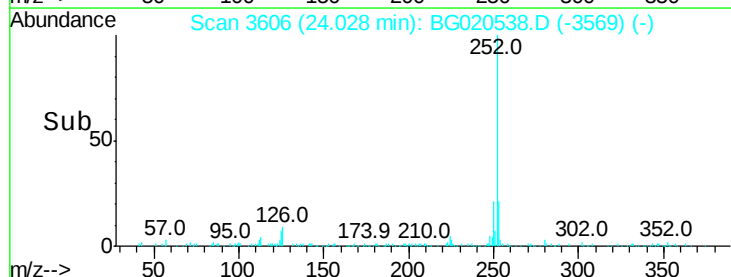
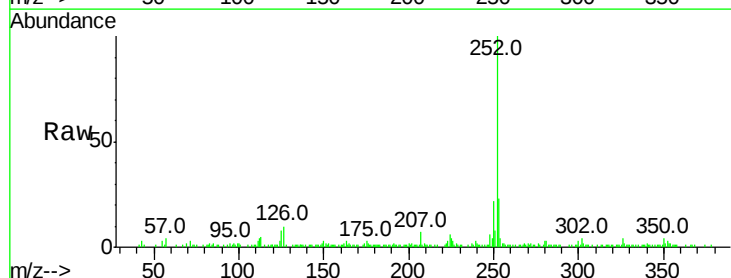
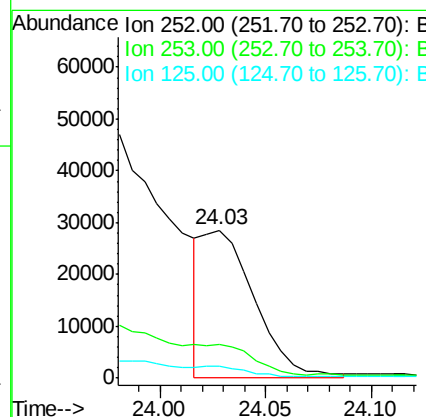
RT: 24.03 min Scan# 3606

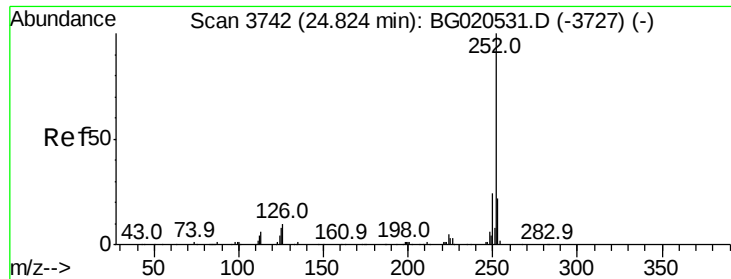
Delta R.T. 0.02 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.9	5.8	8.6





#91

Benzo(a)pyrene

Concen: 17.59 ng/ul

RT: 24.86 min Scan# 3747

Delta R.T. 0.03 min

Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Instrument :

BNA_G

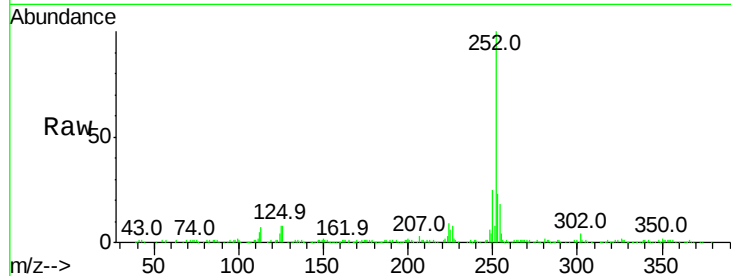
ClientSampleId :

G9D92

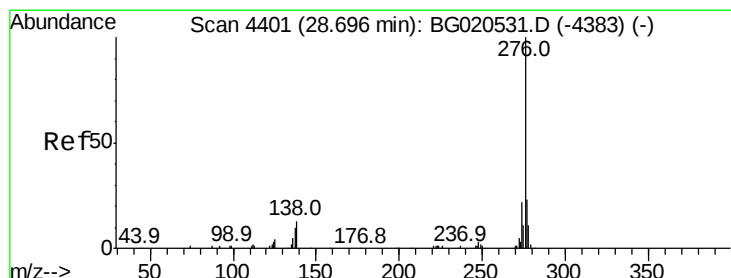
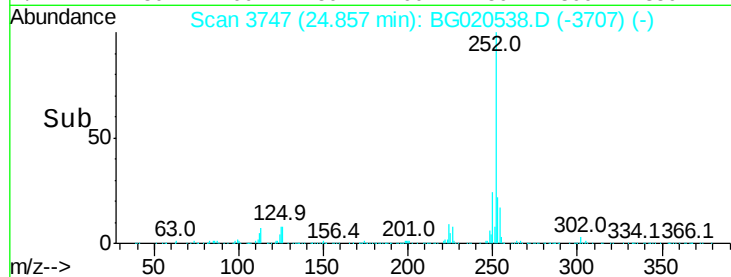
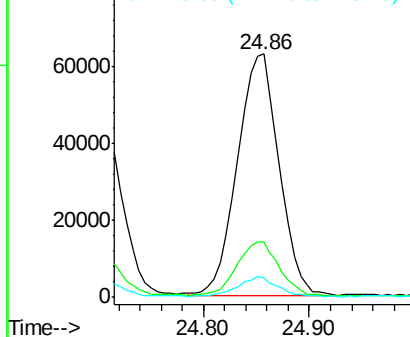
Tot Ion:	252	Resp:	170926
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.4
125	8.0	6.2	9.4

Manual Integrations
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Sohil
12/28/2015 6:07:04 PM



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 9.10 ng/ul

RT: 28.74 min Scan# 4408

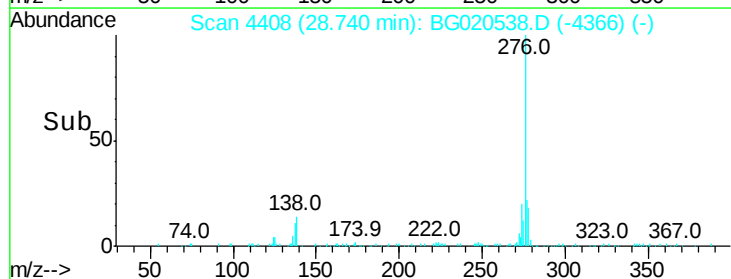
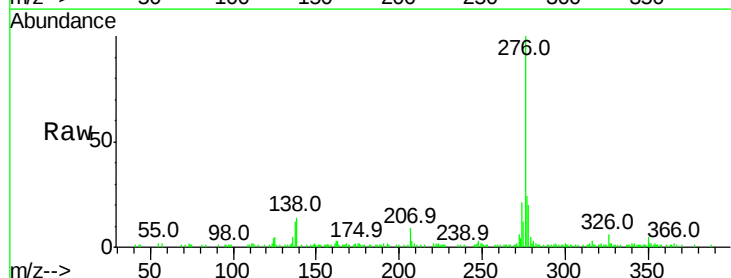
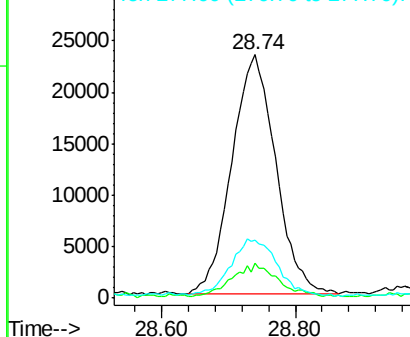
Delta R.T. 0.04 min

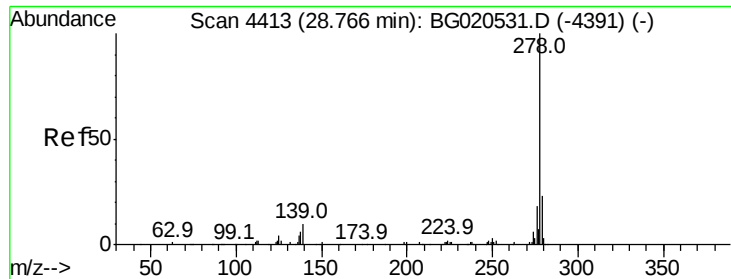
Lab File: BG020538.D

Acq: 26 Dec 2015 13:32

Tgt Ion:	276	Resp:	105934
Ion Ratio	Lower	Upper	
276	100		
138	14.2	11.4	17.0
277	23.6	17.4	26.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





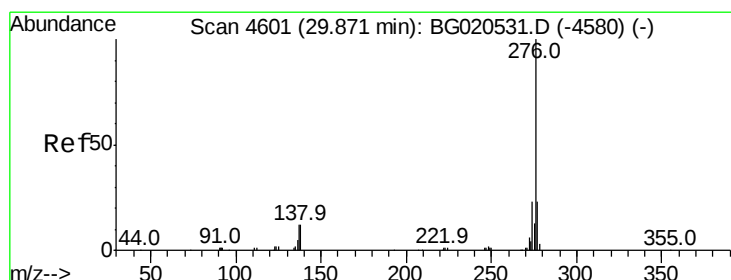
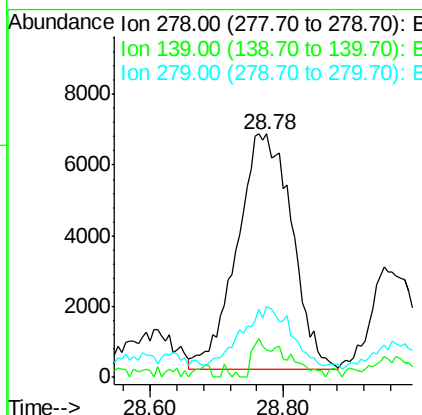
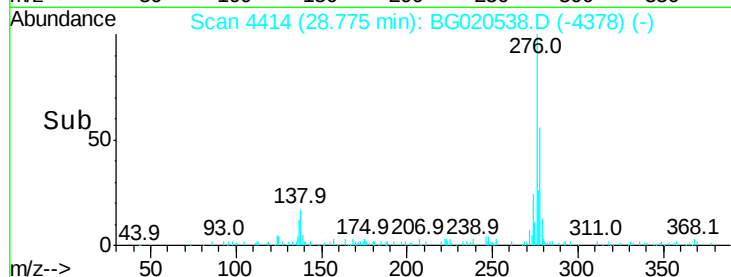
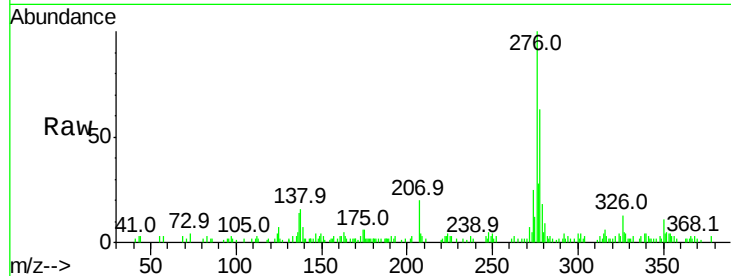
#93
Dibenzo(a,h)anthracene
Concen: 3.93 ng/ul m
RT: 28.78 min Scan# 4414
Delta R.T. 0.01 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Instrument :
BNA_G
ClientSampleId :
G9D92

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.4	14.2
279	29.1	19.4	29.0#

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:04 PM



#94
Benzo(g,h,i)perylene
Concen: 12.41 ng/ul
RT: 29.91 min Scan# 4607
Delta R.T. 0.04 min
Lab File: BG020538.D
Acq: 26 Dec 2015 13:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	10.8	16.2
277	24.3	19.9	29.9

