

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020541.D
 Acq On : 26 Dec 2015 15:29
 Operator : UM/SJ
 Sample : G4802-20
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D95

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 07:20:43 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	8.07	152	20004	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	84417	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	59210	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	141887	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	176103	20.00	ng/ul	0.01
86) Perylene-d12	25.02	264	172854	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1587	4.38	ng/uL	0.00
5) Phenol-d5	7.23	99	38118	23.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	25732	27.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	32026	26.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	17021	12.60	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	18428	27.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	21303	28.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	36290	24.92	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	28765	17.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	120234	24.64	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	157176	27.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	15194	18.67	ng/ul	0.00
58) Fluorene-d10	15.70	176	121315	27.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	17108	18.19	ng/ul	0.02
71) Anthracene-d10	17.56	188	188098	28.30	ng/ul	0.01
79) Pyrene-d10	19.85	212	222602	29.20	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.79	264	255832	29.28	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.95	128	97415	21.71	ng/ul	98
41) 1,1'-Biphenyl	13.54	154	19775	4.33	ng/ul	97
45) Dimethylphthalate	14.16	163	25787	5.20	ng/ul#	95
48) Acenaphthylene	14.44	152	61804	10.40	ng/ul#	95
50) Acenaphthene	14.78	153	82310	20.49	ng/ul	100
59) Fluorene	15.76	166	105333	21.74	ng/ul	98
70) Phenanthrene	17.51	178	565073	71.58	ng/ul	98
72) Anthracene	17.60	178	213211	26.41	ng/ul	99
77) Fluoranthene	19.52	202	674297	67.92	ng/ul	98
80) Pyrene	19.88	202	1165743	117.06	ng/ul	98
83) Benzo(a)anthracene	21.72	228	506214	48.95	ng/ul	91
85) Chrysene	21.79	228	480872	48.81	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	342510	33.01	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	84707m	8.45	ng/ul	
91) Benzo(a)pyrene	24.86	252	378093	37.92	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.75	276	155487	13.02	ng/ul	96
93) Dibenzo(a,h)anthracene	28.80	278	54212	5.47	ng/ul#	91
94) Benzo(g,h,i)perylene	29.93	276	168588	17.19	ng/ul	97

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

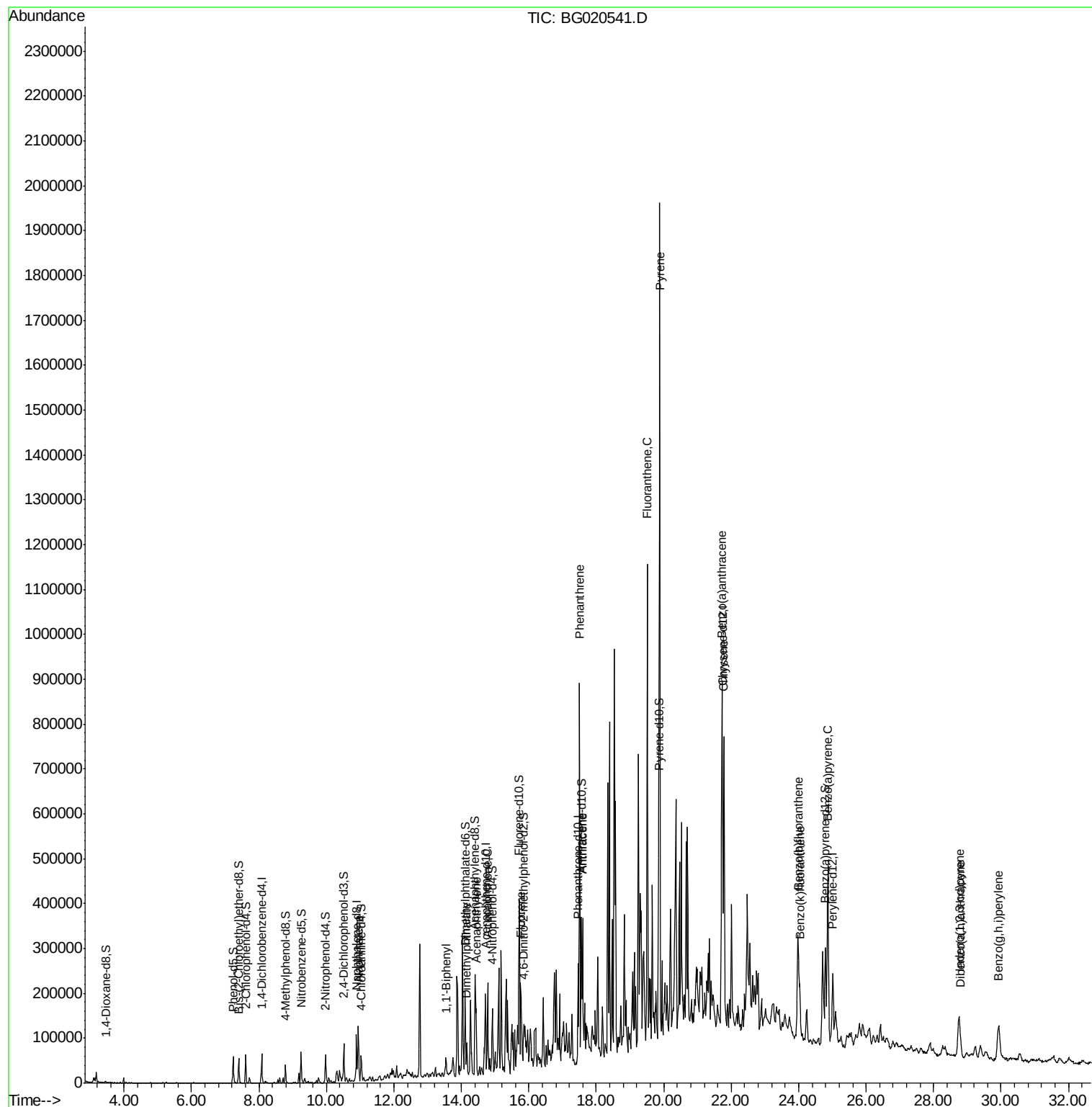
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

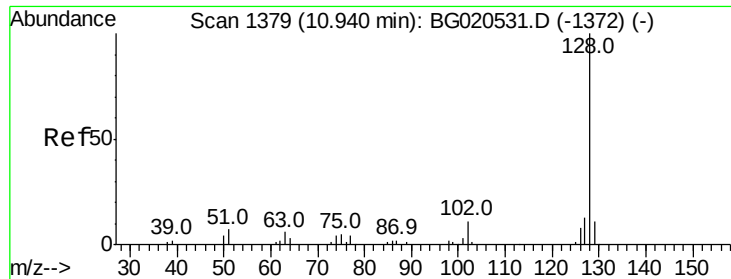
Instrument :
BNA_G
ClientSampleId :
G9D95

Manual Integrations
APPROVED

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
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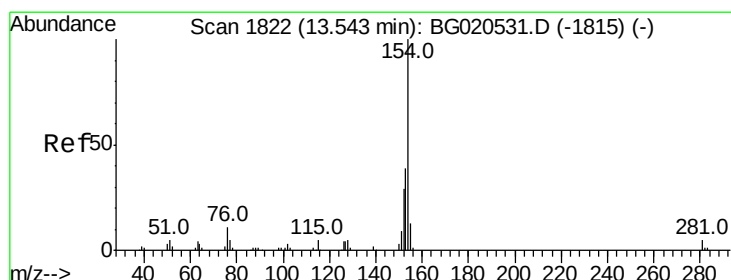
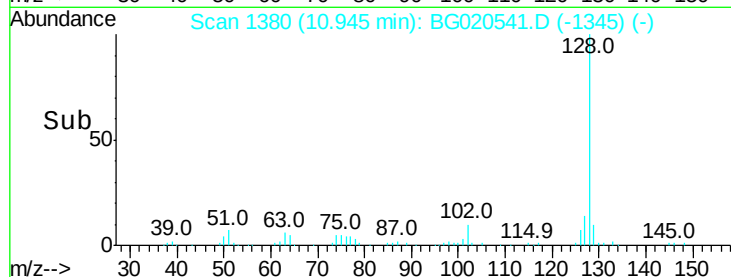
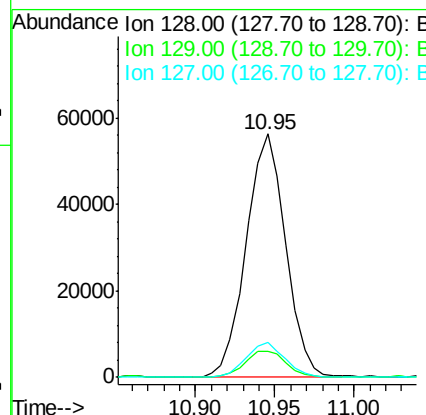
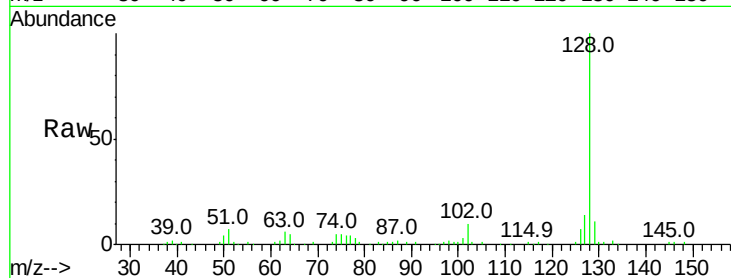
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Naphthalene
Concen: 21.71 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Resp	Lower	Upper
128	100	97415		
129	10.6		8.6	12.8
127	14.2		10.1	15.1

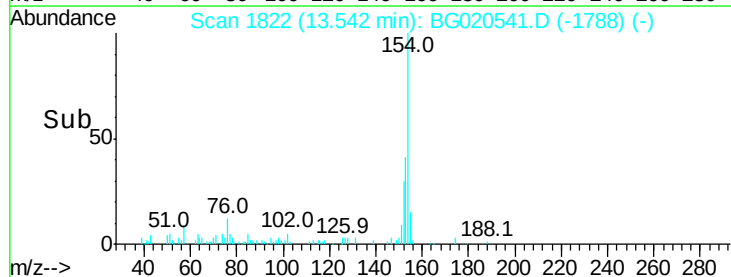
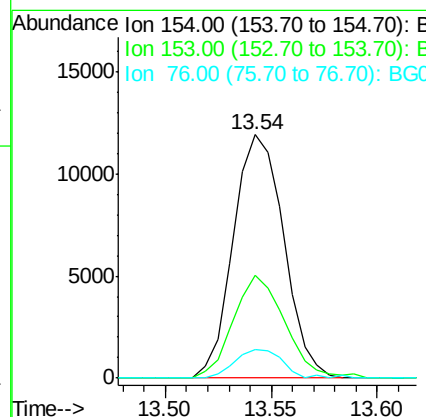
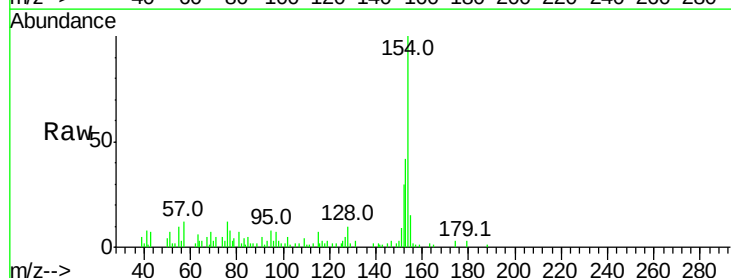
Manual Integrations
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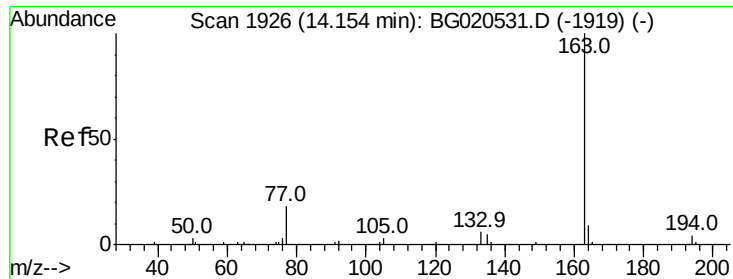
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#41
1,1'-Biphenyl
Concen: 4.33 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	19775		
153	42.5		35.5	53.3
76	11.7		10.4	15.6





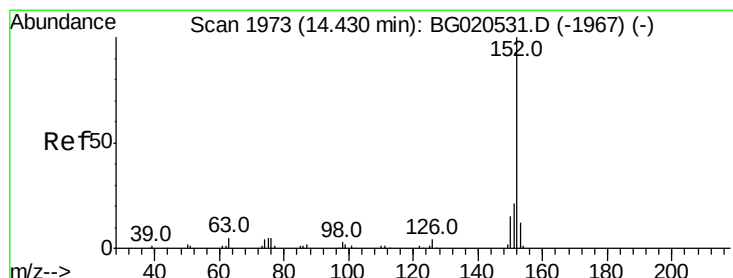
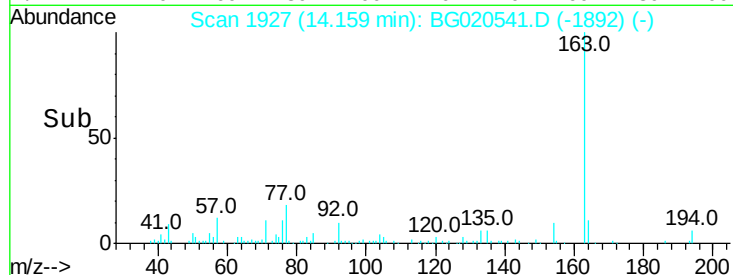
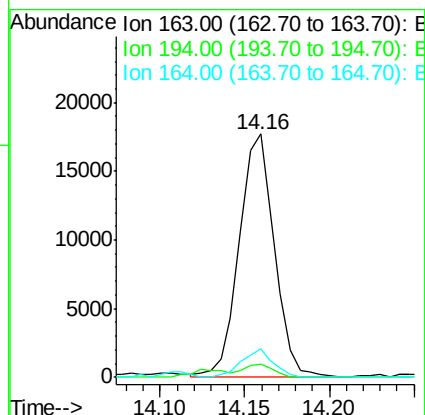
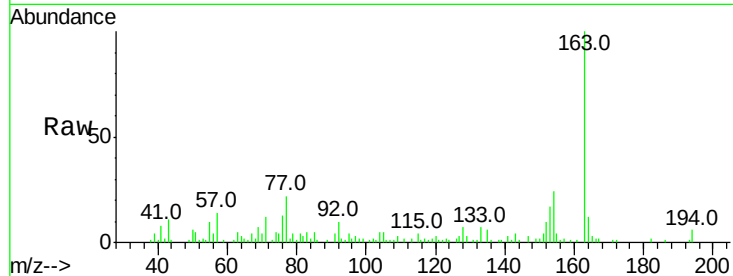
#45
Dimethylphthalate
Concen: 5.20 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25787		
194	5.6	3.5	5.3#	
164	11.7	7.7	11.5#	

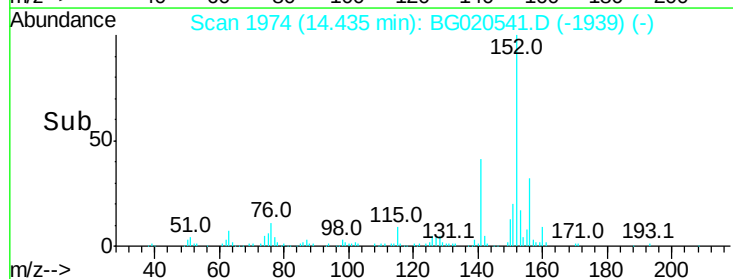
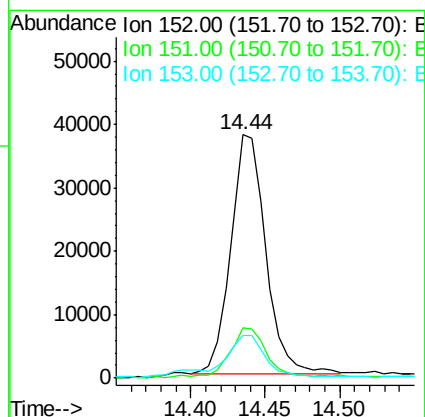
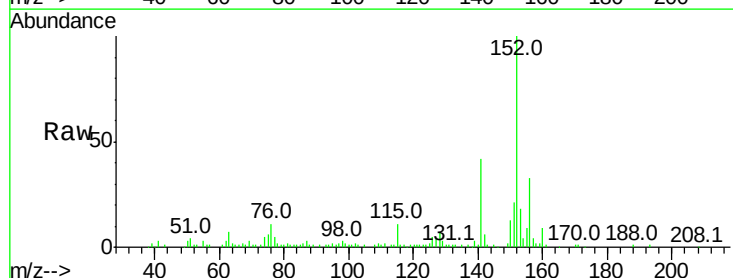
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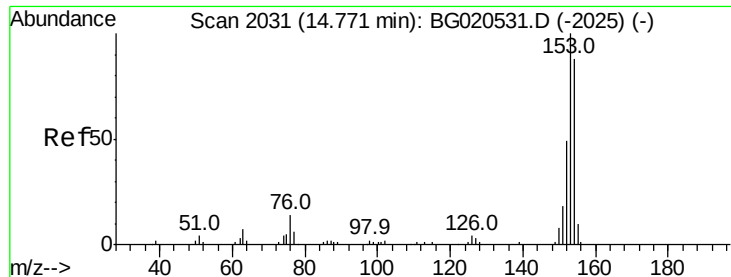
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#48
Acenaphthylene
Concen: 10.40 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	61804		
151	20.9	16.4	24.6	
153	17.7	10.4	15.6#	





#50

Acenaphthene

Concen: 20.49 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

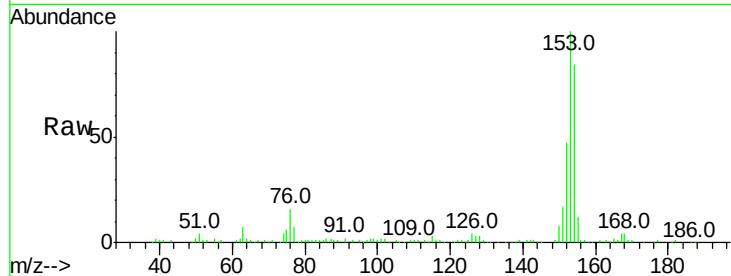
ClientSampleId :

G9D95

Tot Ion:	153	Resp:	82310
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.6	56.4
154	84.5	67.9	101.9

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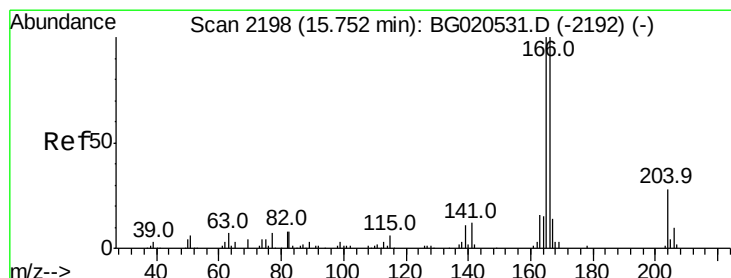
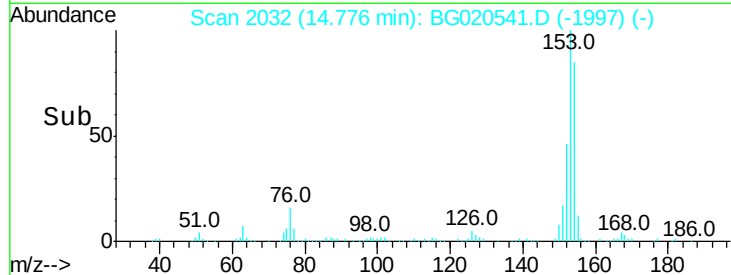
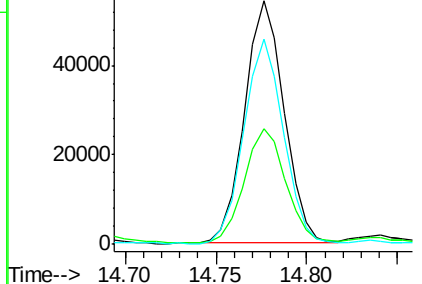
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 21.74 ng/ul

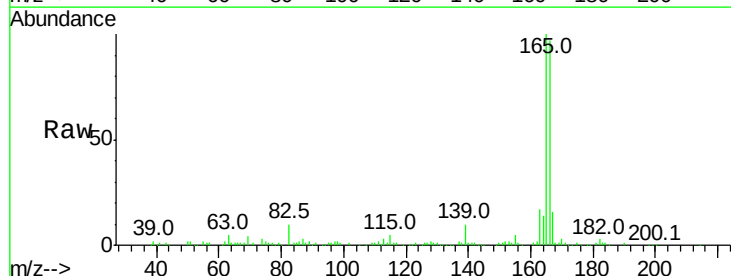
RT: 15.76 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

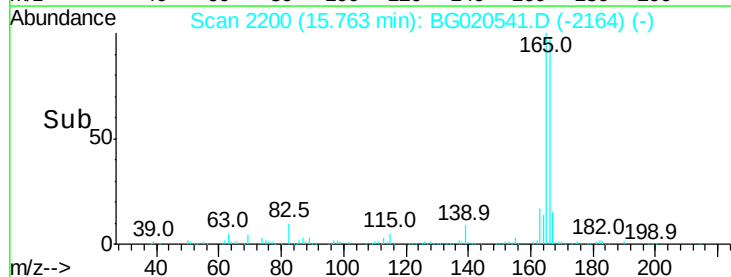
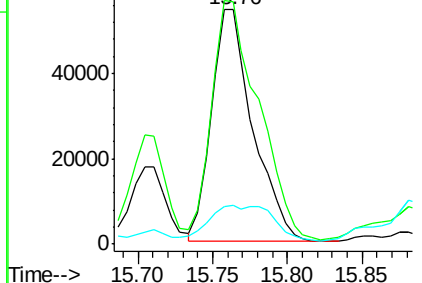
Tgt Ion:	166	Resp:	105333
Ion Ratio	Lower	Upper	
166	100		
165	103.3	81.4	122.0
167	16.3	11.2	16.8

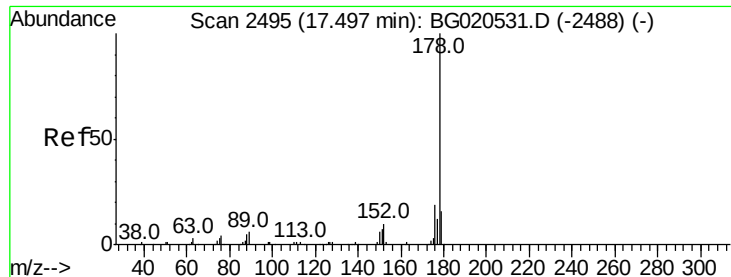


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





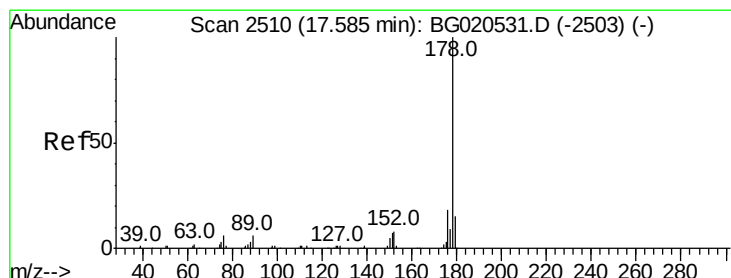
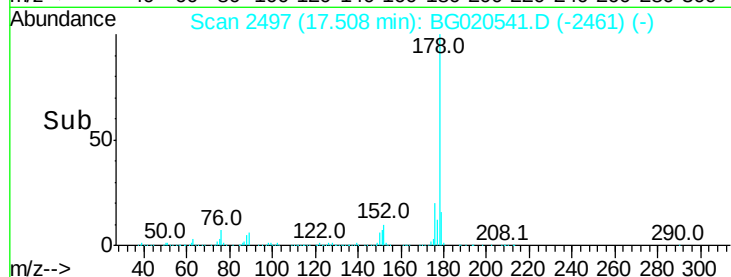
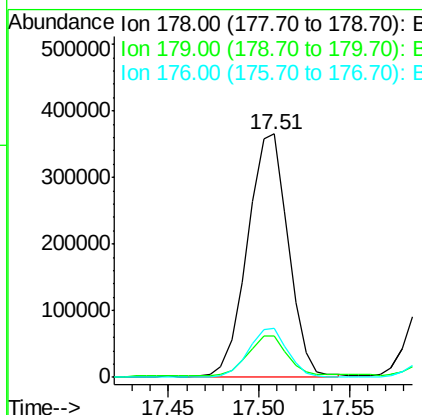
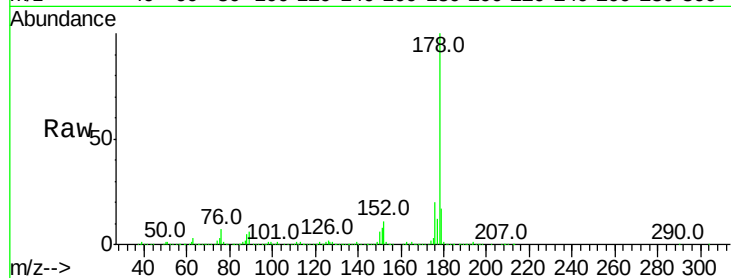
#70
Phenanthrene
Concen: 71.58 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	20.1	15.3	22.9

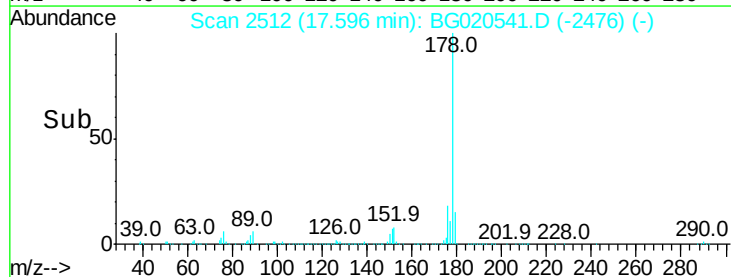
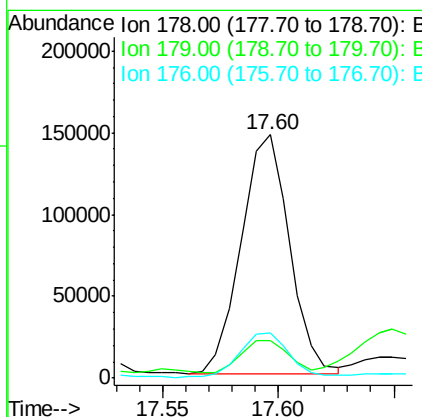
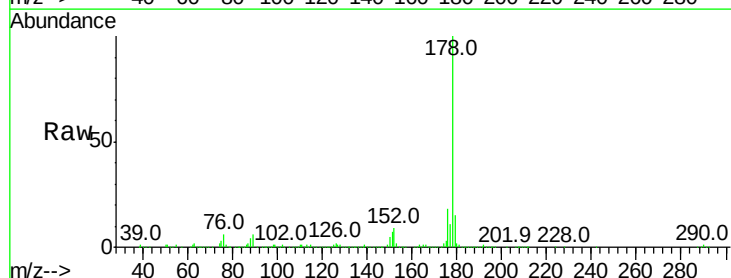
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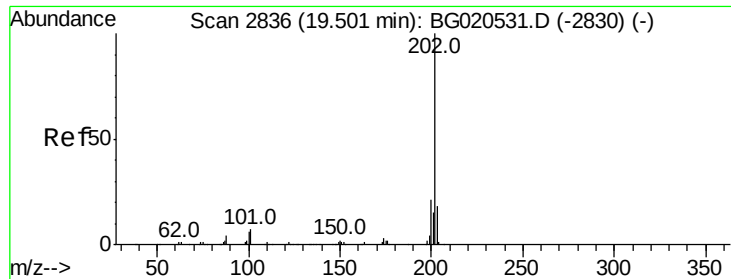
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#72
Anthracene
Concen: 26.41 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.5	14.3	21.5





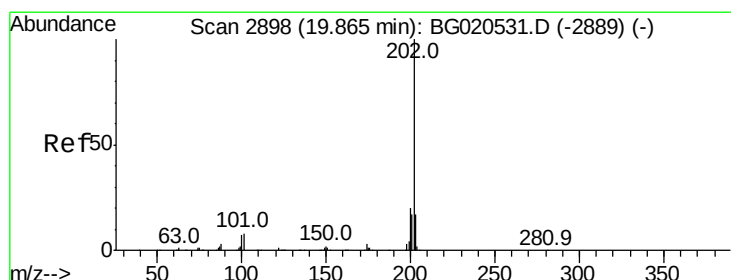
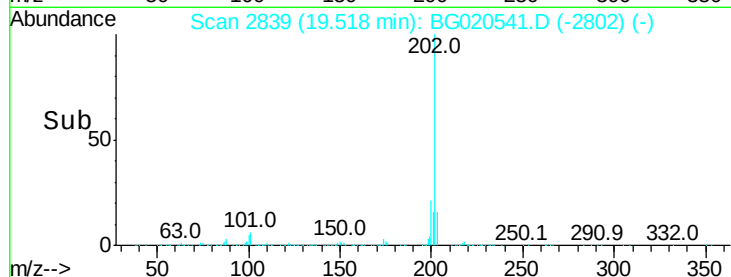
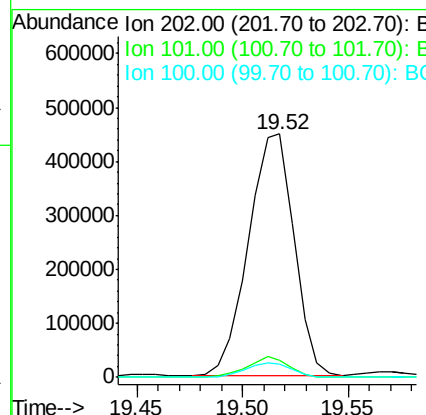
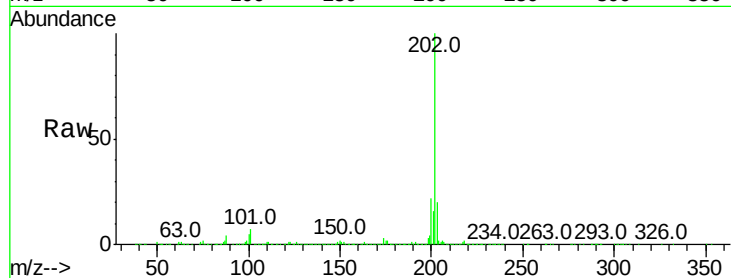
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Fluoranthene
Concen: 67.92 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Resp	Lower	Upper
202	100	674297		
101	7.2	6.2	9.4	
100	5.5	5.1	7.7	

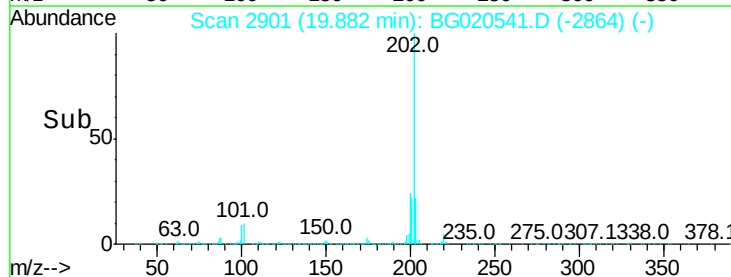
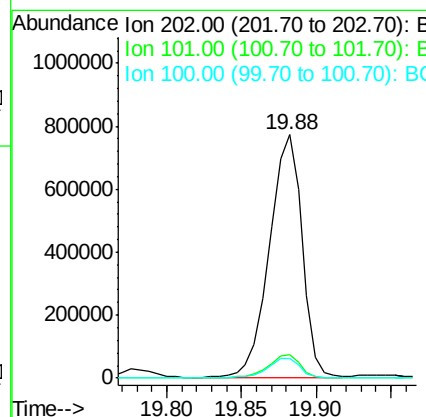
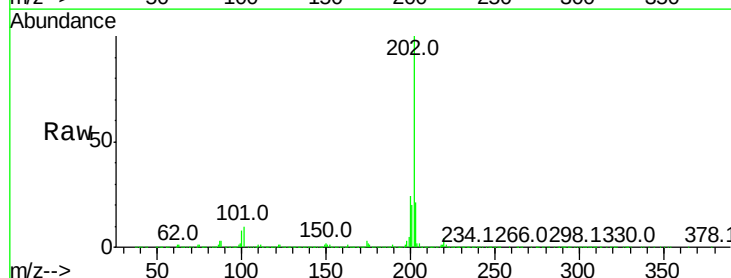
Manual Integrations
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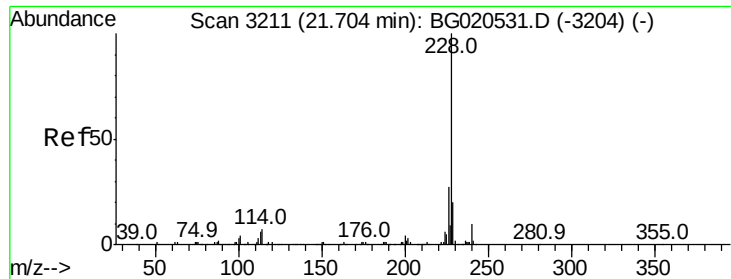
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#80
Pyrene
Concen: 117.06 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1165743		
101	9.7	7.0	10.4	
100	8.2	6.4	9.6	





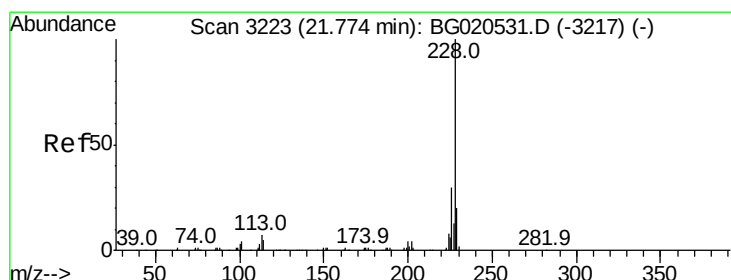
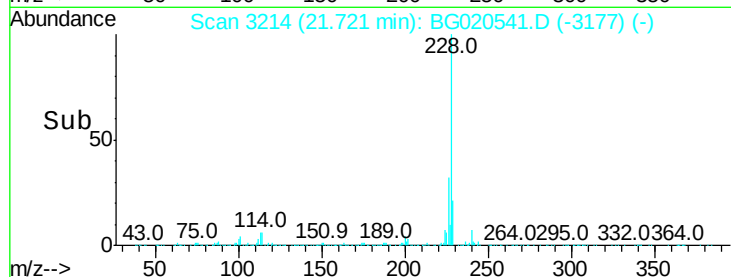
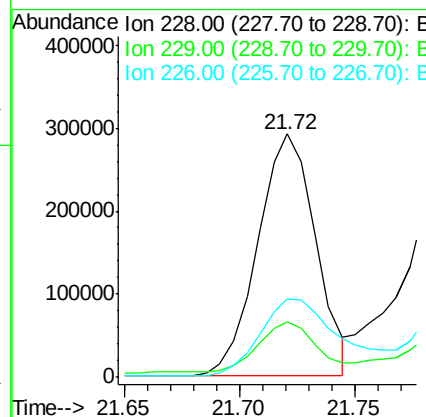
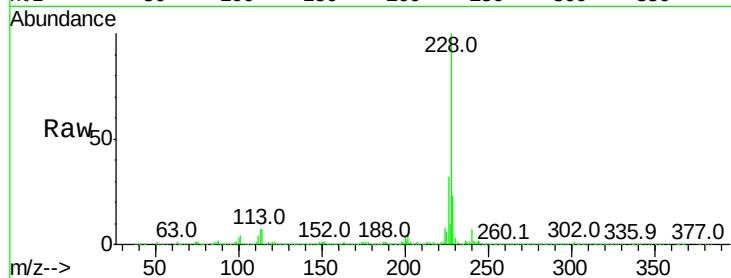
#83
Benzo(a)anthracene
Concen: 48.95 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	32.4	21.8	32.6

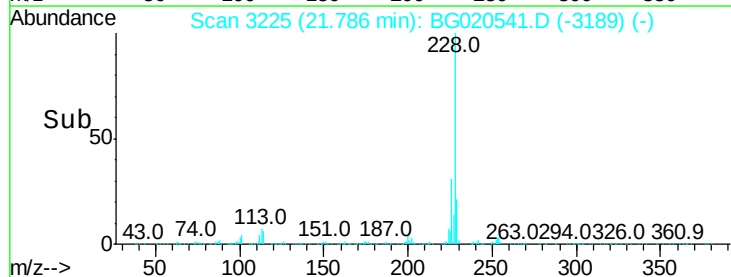
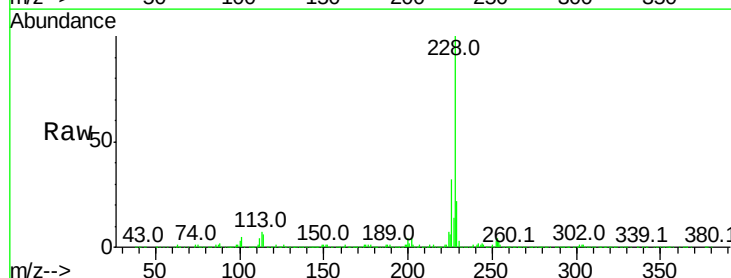
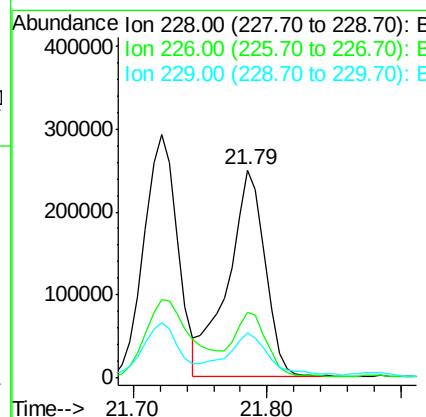
Manual Integrations
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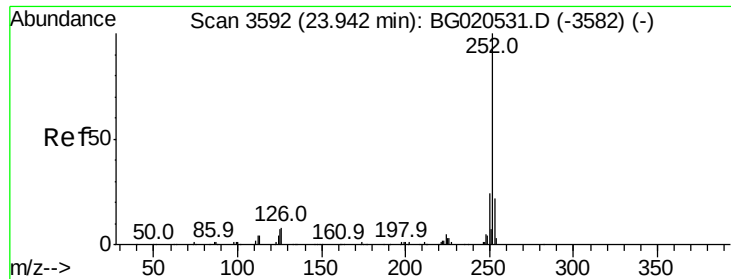
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#85
Chrysene
Concen: 48.81 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.9	35.9
229	22.0	15.6	23.4





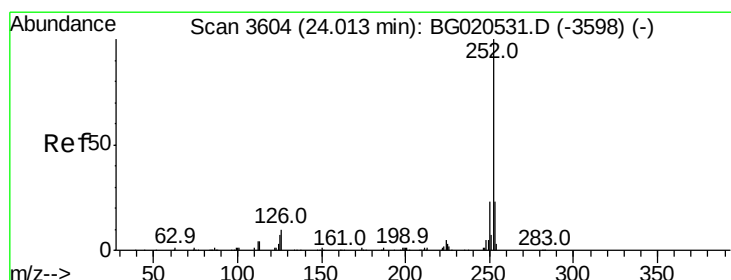
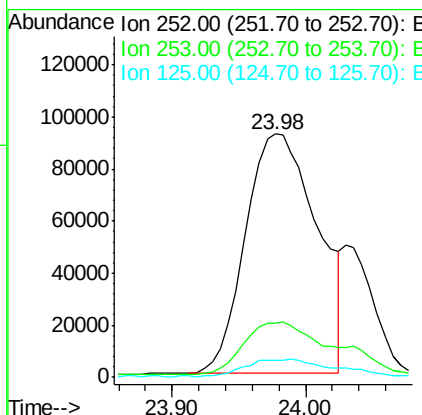
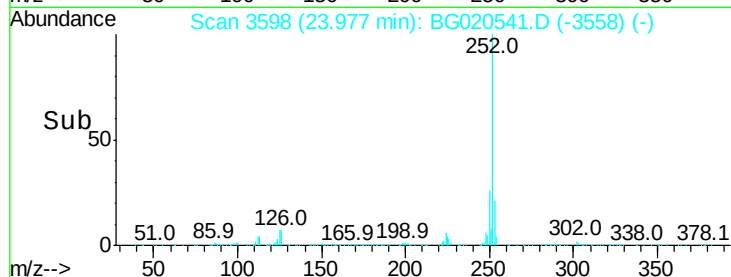
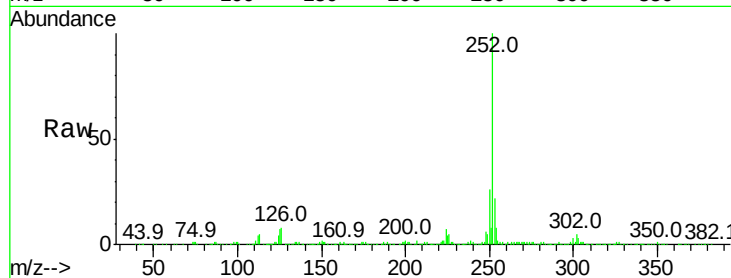
#88
Benzo(b)fluoranthene
Concen: 33.01 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.03 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.7	25.1
125	7.1	6.2	9.2

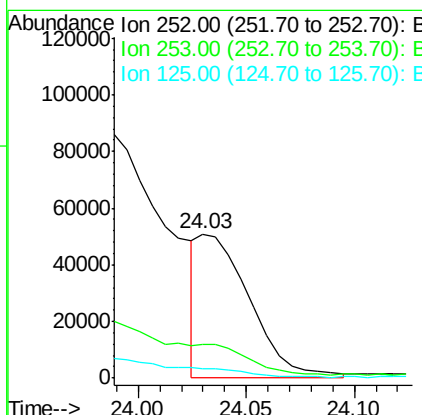
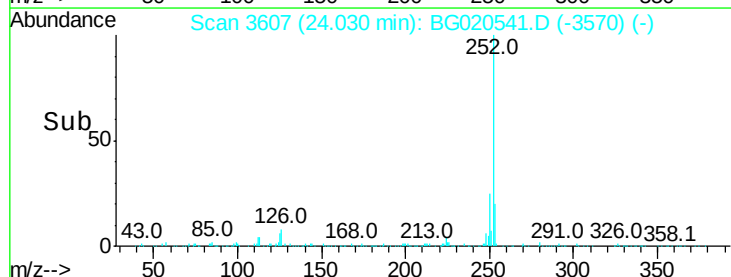
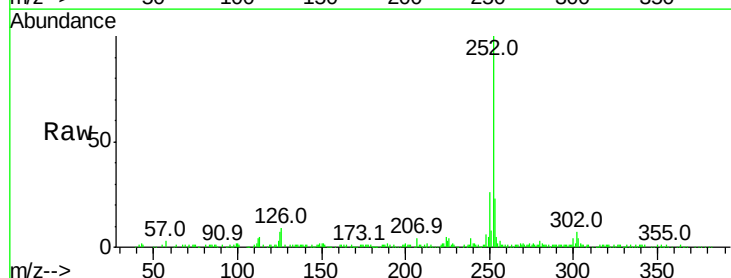
Manual Integrations
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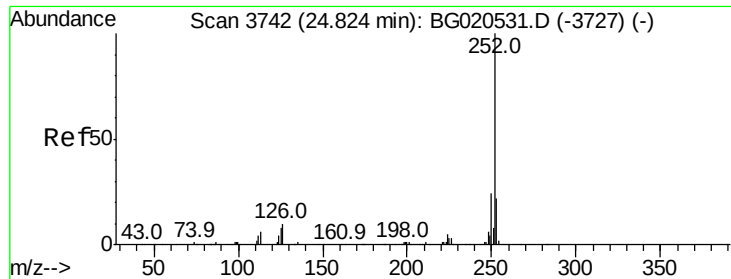
Sohil
12/28/2015 6:07:12 PM



#89
Benzo(k)fluoranthene
Concen: 8.45 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	6.9	5.8	8.6





#91

Benzo(a)pyrene

Concen: 37.92 ng/ul

RT: 24.86 min Scan# 3749

Delta R.T. 0.04 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

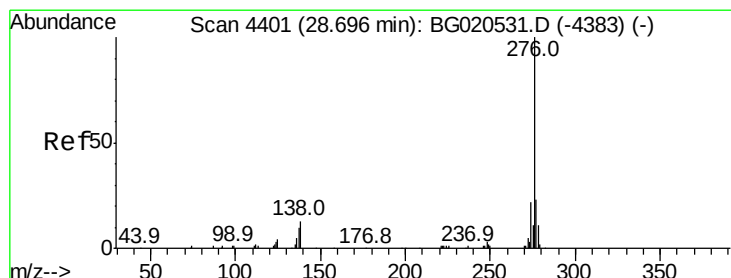
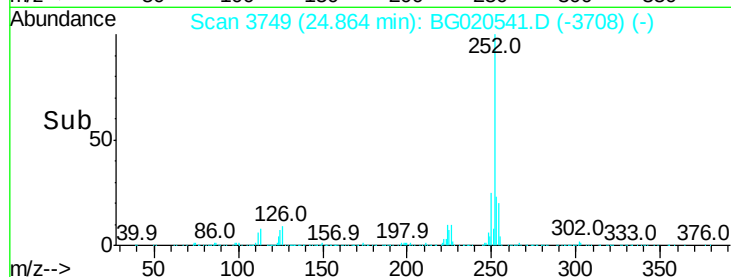
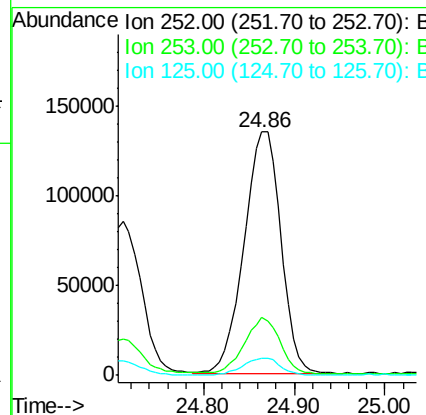
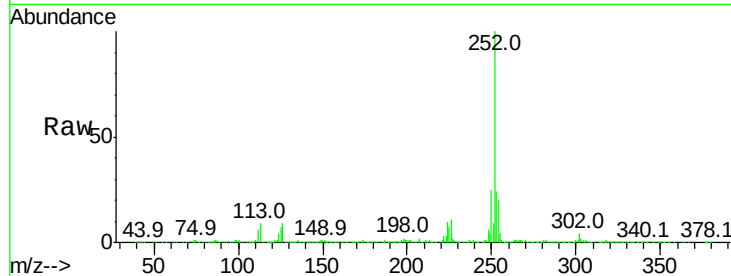
ClientSampleId :

G9D95

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	7.1	6.2	9.4

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 13.02 ng/ul

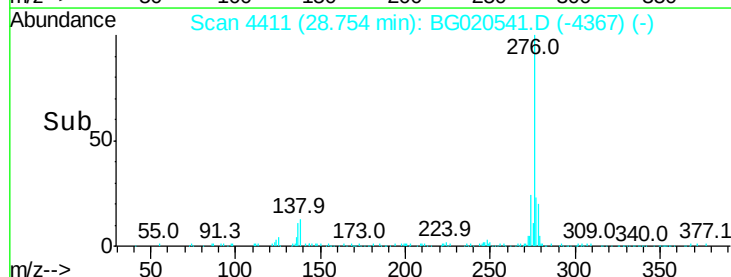
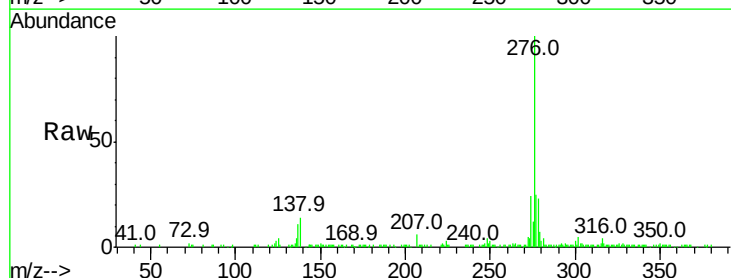
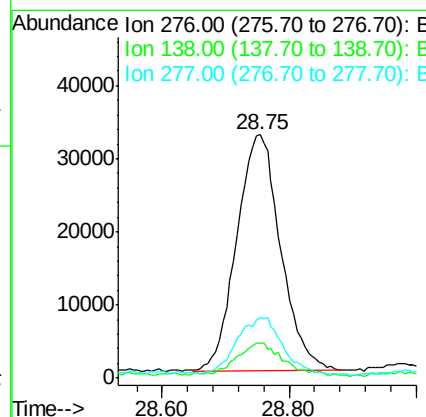
RT: 28.75 min Scan# 4411

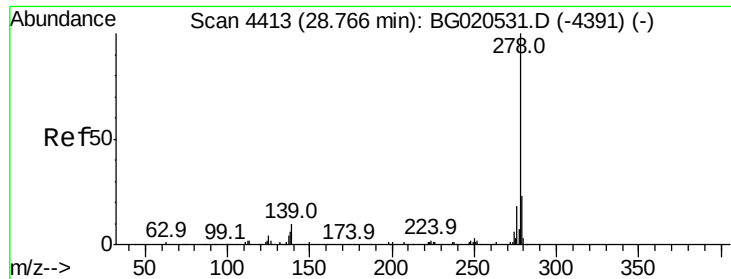
Delta R.T. 0.06 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	11.4	17.0
277	24.7	17.4	26.0





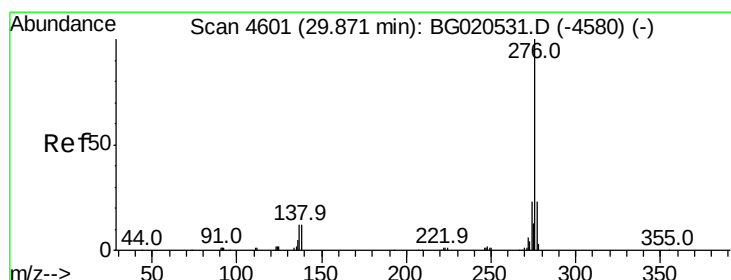
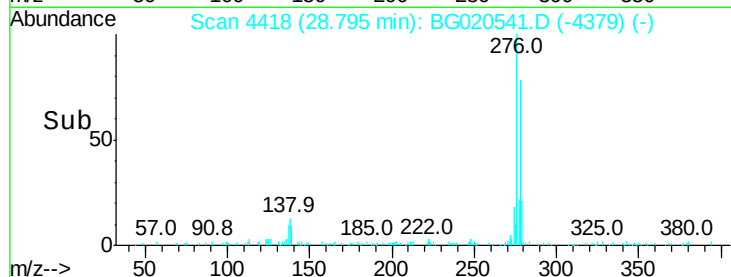
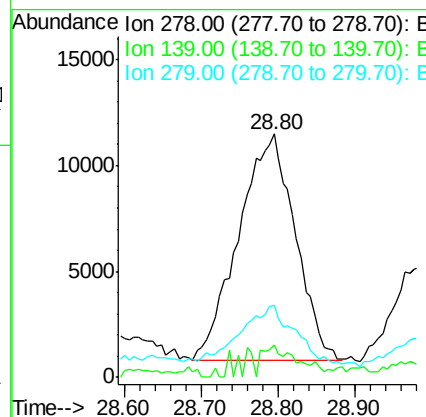
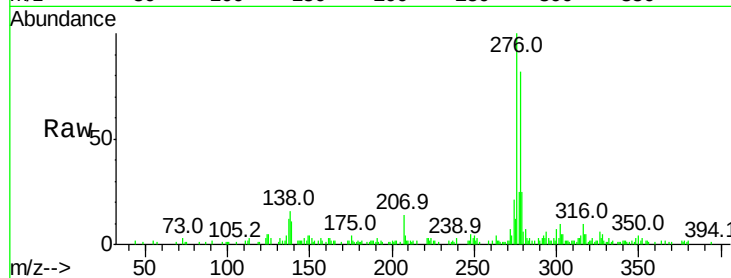
#93
Dibenzo(a,h)anthracene
Concen: 5.47 ng/ul
RT: 28.80 min Scan# 4418
Delta R.T. 0.03 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Instrument :
BNA_G
ClientSampleId :
G9D95

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.1	9.4	14.2
279	29.8	19.4	29.0

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



#94
Benzo(g,h,i)perylene
Concen: 17.19 ng/ul
RT: 29.93 min Scan# 4611
Delta R.T. 0.06 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.0	10.8	16.2
277	23.2	19.9	29.9

