

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\  
 Data File : BG028478.D  
 Acq On : 25 Aug 2017 3:22  
 Operator : SJ/JU  
 Sample : I4840-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 B0AK9

Manual Integrations  
 APPROVED

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 8/25/2017 5:44:02 PM

Quant Time: Aug 25 15:27:02 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 25 03:52:53 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	42400	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	190310	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	134462	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	307431	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	382136	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	383621	20.00	ng/ul	0.01

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	4499	4.94	ng/uL	0.01
5) Phenol-d5	7.49	99	120016	25.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	74210	25.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	89607	30.50	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	104267	26.79	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	46618	31.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	56650	34.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	102408	30.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	55971	14.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	349981	29.26	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	396128	29.38	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	47179	24.81	ng/ul	0.00
57) Fluorene-d10	15.94	176	292867	27.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	46572	23.32	ng/ul	0.00
70) Anthracene-d10	17.80	188	451309	30.61	ng/ul	0.00
76) Pyrene-d10	20.08	212	547357	27.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	539027	30.01	ng/ul	0.03

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	7.52	94	15881	3.432	ng/ul	97
28) Naphthalene	11.21	128	54537	5.786	ng/ul	97
34) 2-Methylnaphthalene	12.79	142	28142	3.717	ng/ul	98
44) Dimethylphthalate	14.38	163	119472	10.850	ng/ul	99
49) Acenaphthene	15.01	153	115413	13.274	ng/ul	97
53) Dibenzofuran	15.35	168	140956	11.120	ng/ul	96
58) Fluorene	15.99	166	183894	16.386	ng/ul	94
69) Phenanthrene	17.75	178	1721395	111.262	ng/ul	98
71) Anthracene	17.84	178	440020	27.827	ng/ul	98
72) Carbazole	18.10	167	217293	15.801	ng/ul	97
74) Fluoranthene	19.74	202	1646002	87.541	ng/ul	99
77) Pyrene	20.11	202	1311120	57.509	ng/ul	99
80) Benzo(a)anthracene	22.02	228	879625	39.839	ng/ul	96
82) Chrysene	22.09	228	786747	39.565	ng/ul	97
85) Benzo(b)fluoranthene	24.42	252	859768	37.452	ng/ul#	98
86) Benzo(k)fluoranthene	24.49	252	317354m	14.153	ng/ul	
88) Benzo(a)pyrene	25.38	252	638646	28.733	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.58	276	344177	13.223	ng/ul	97
90) Dibenzo(a,h)anthracene	29.61	278	105461	4.834	ng/ul	96
91) Benzo(g,h,i)perylene	30.85	276	239736	11.196	ng/ul	95

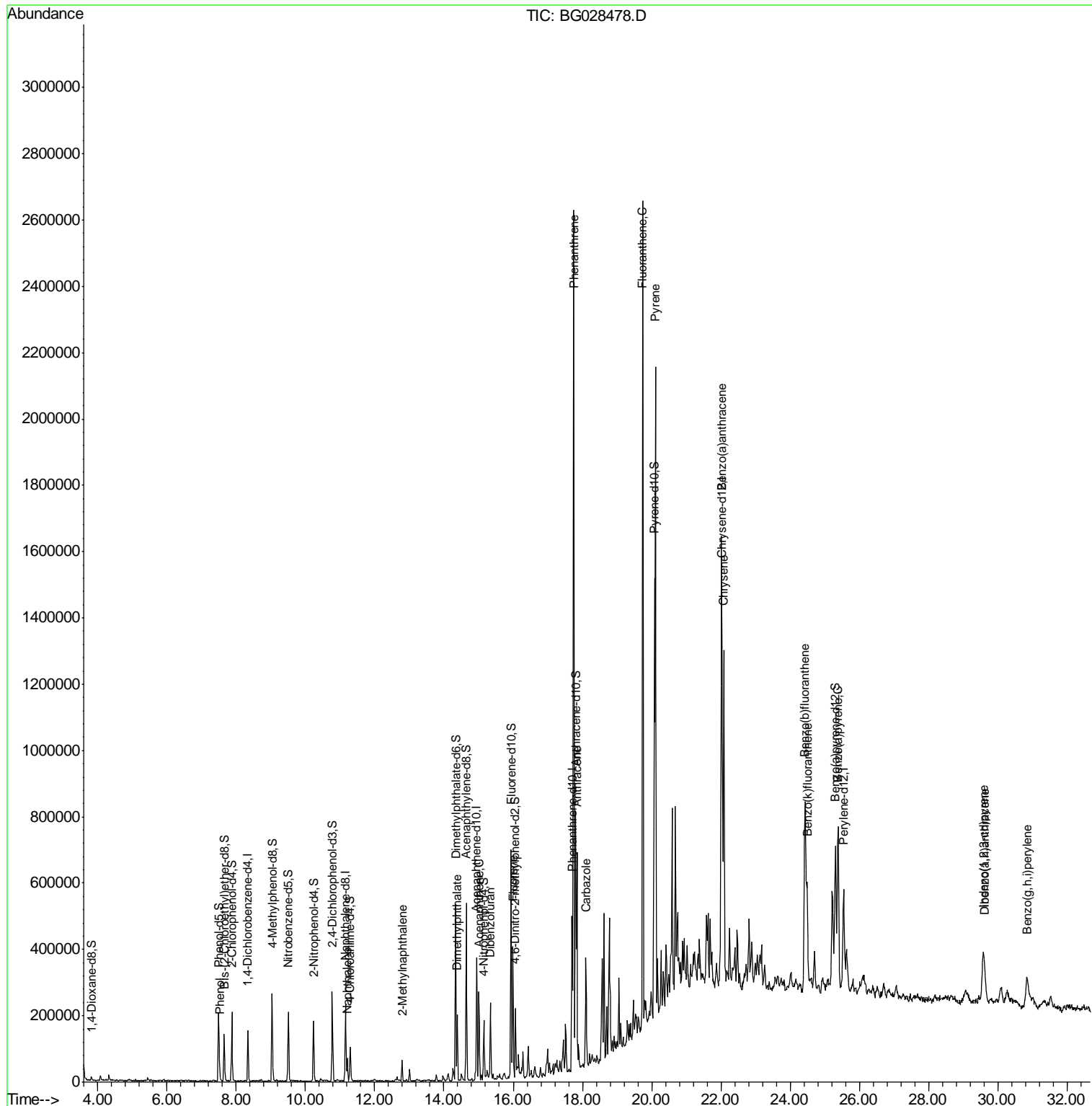
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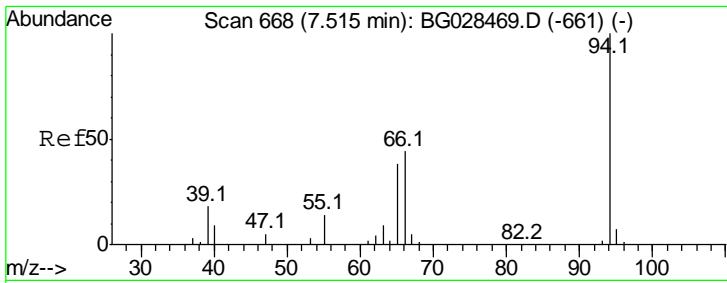
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 Data File : BG028478.D  
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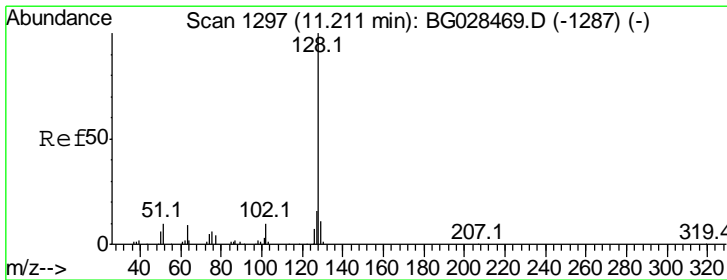
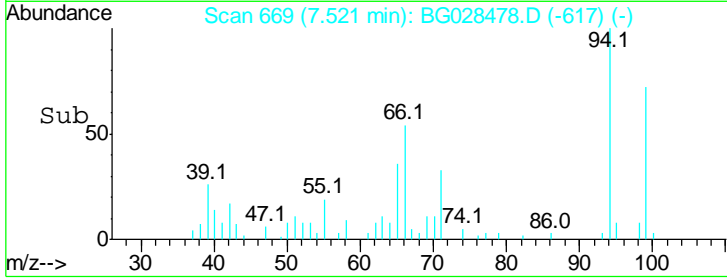
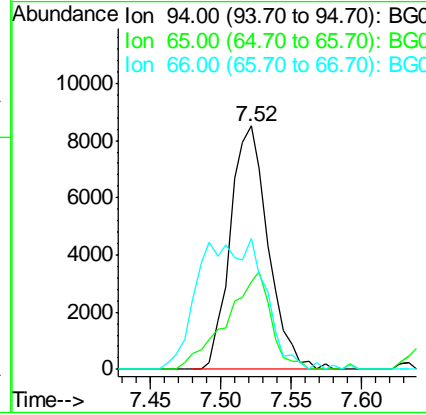
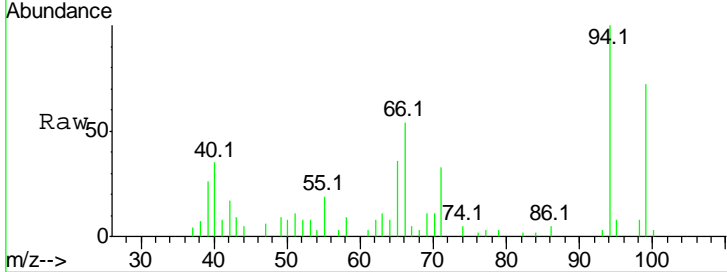
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 Phenol  
 Concen: 3.432 ng/ul  
 RT: 7.52 min Scan# 669  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

**Instrument :**  
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Tgt Ion	Resp	Lower	Upper
94	100		
65	36.0	26.8	40.2
66	53.6	44.4	66.6

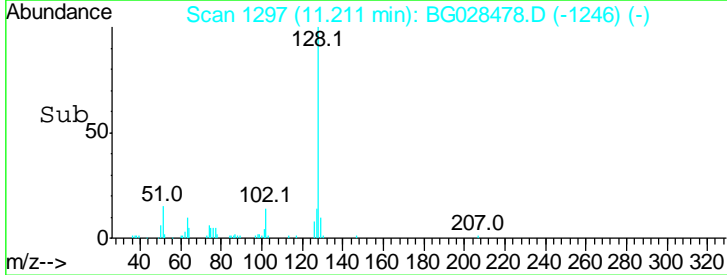
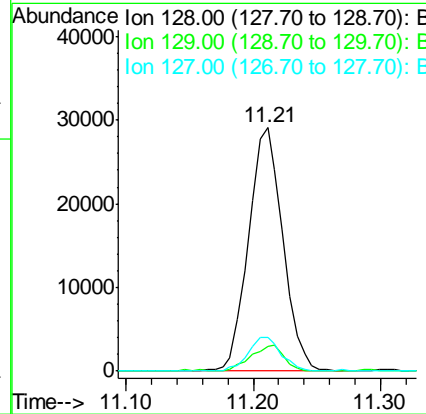
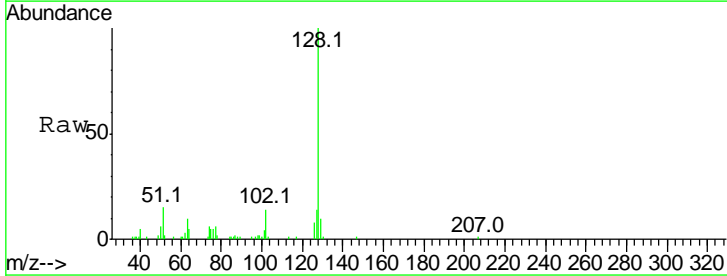
**Manual Integrations**  
**APPROVED**

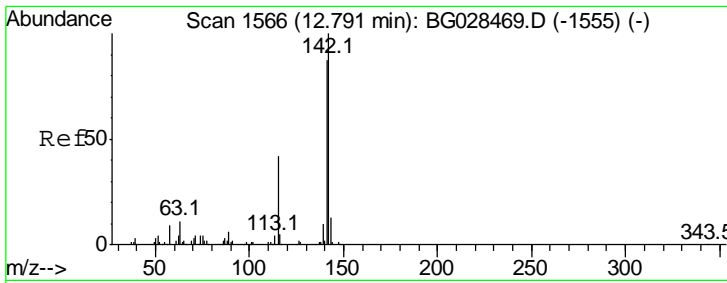
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#28  
 Naphthalene  
 Concen: 5.786 ng/ul  
 RT: 11.21 min Scan# 1297  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
128	100		
129	10.1	9.4	14.2
127	13.7	10.3	15.5



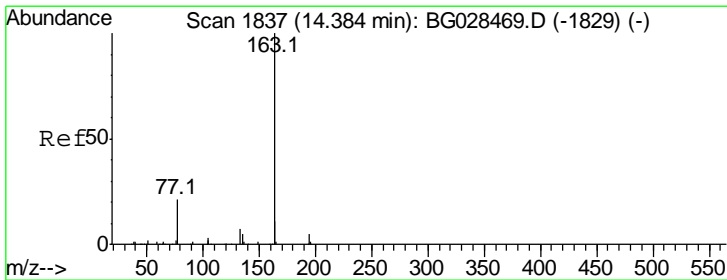
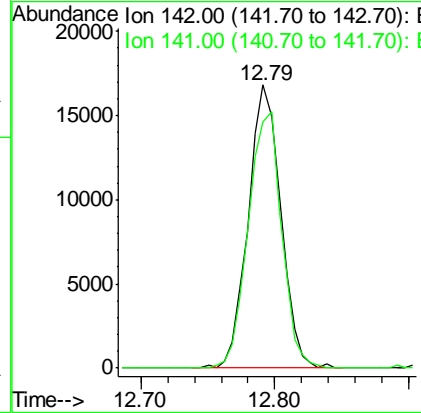
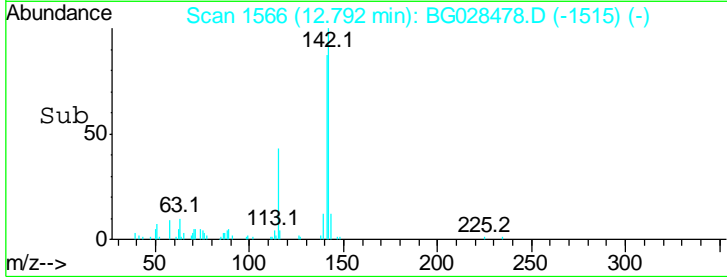
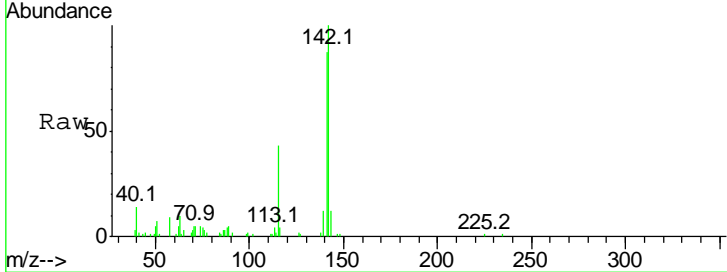


#34  
 2-Methylnaphthalene  
 Concen: 3.717 ng/ul  
 RT: 12.79 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Instrument :  
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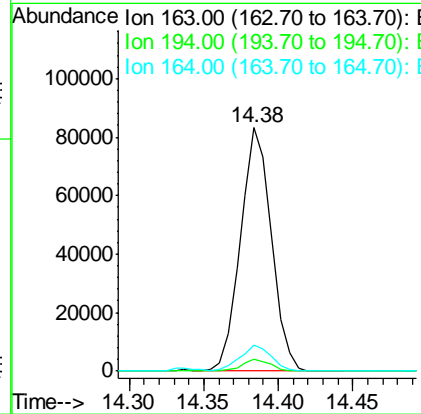
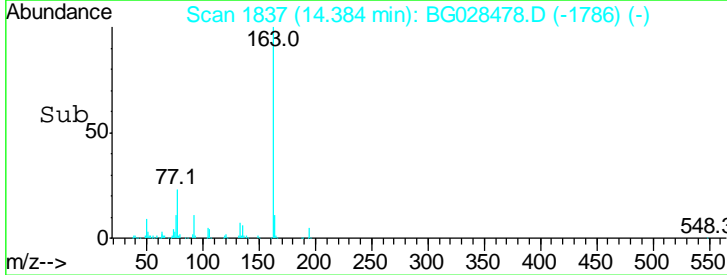
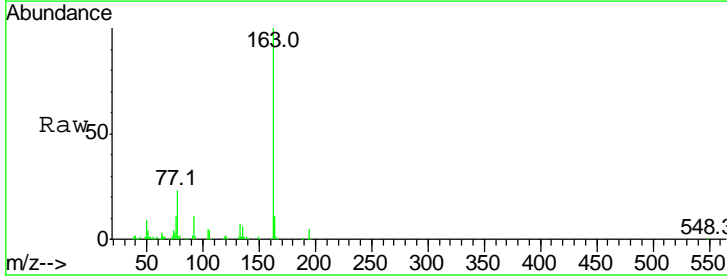
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.6	102.8

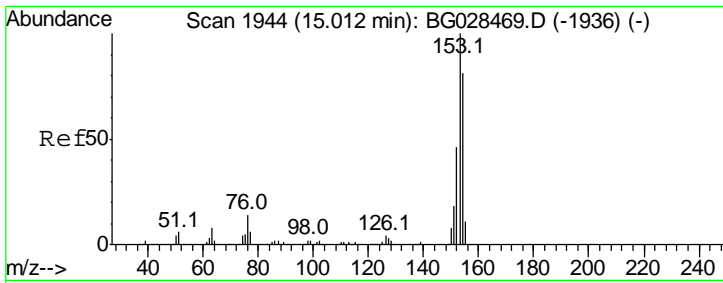
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#44  
 Dimethylphthalate  
 Concen: 10.850 ng/ul  
 RT: 14.38 min Scan# 1837  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

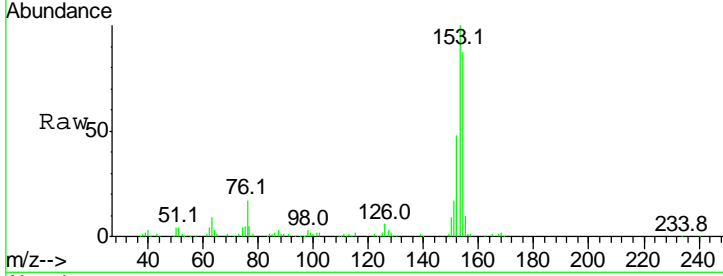
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.0
164	10.8	9.0	13.4





#49  
 Acenaphthene  
 Concen: 13.274 ng/ul  
 RT: 15.01 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

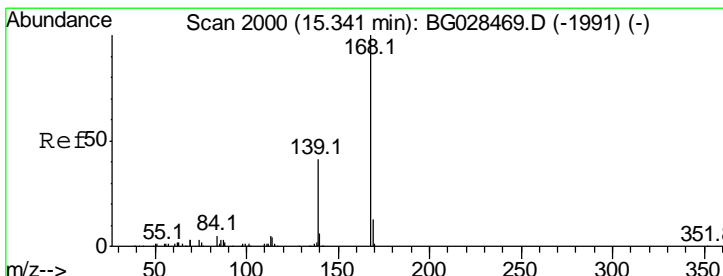
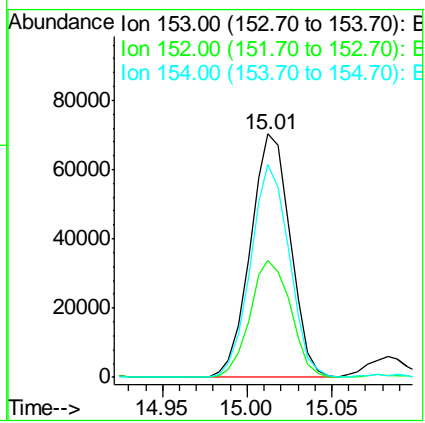
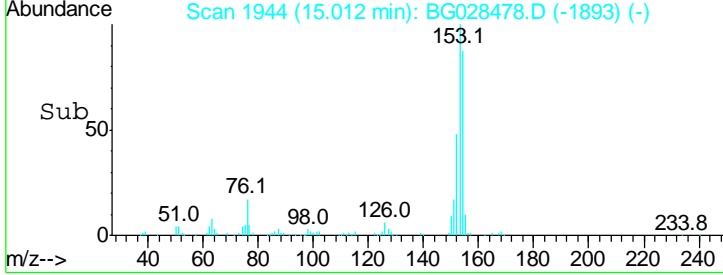
Instrument :  
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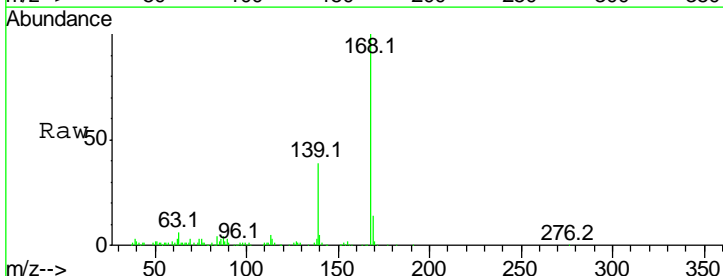
Tgt Ion:153 Resp: 115413

Ion	Ratio	Lower	Upper
153	100		
152	47.9	36.5	54.7
154	87.3	72.3	108.5

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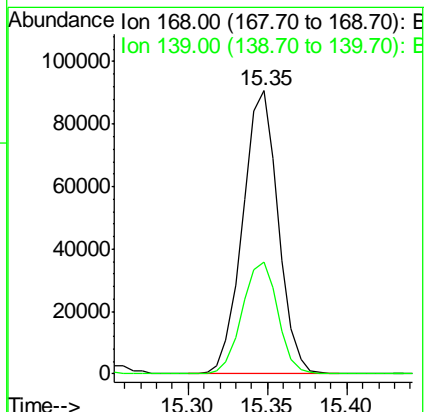
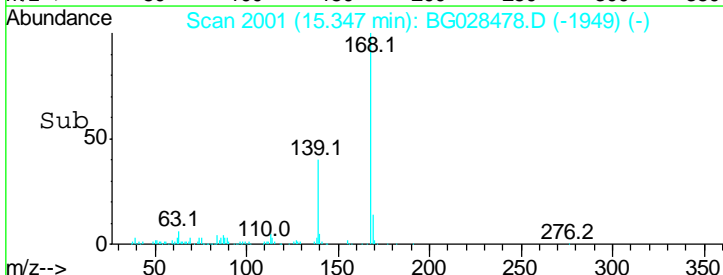


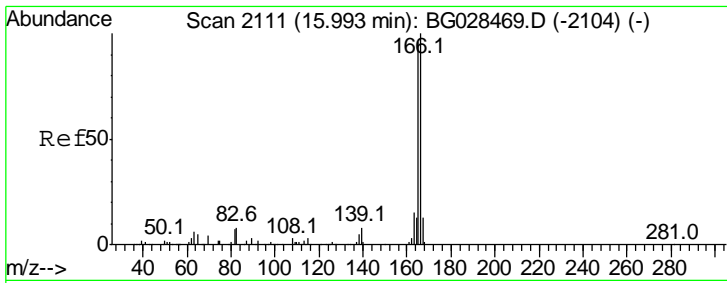
#53  
 Dibenzofuran  
 Concen: 11.120 ng/ul  
 RT: 15.35 min Scan# 2001  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22



Tgt Ion:168 Resp: 140956

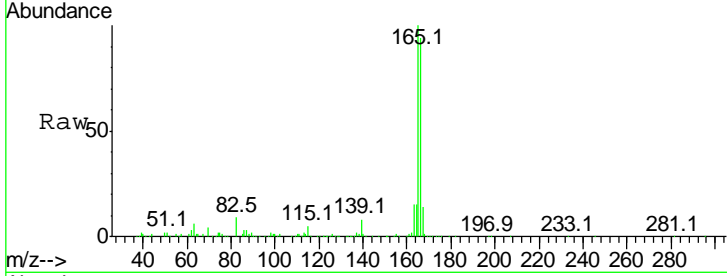
Ion	Ratio	Lower	Upper
168	100		
139	39.5	33.8	50.8





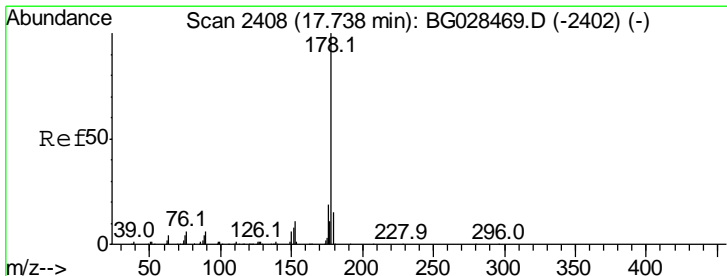
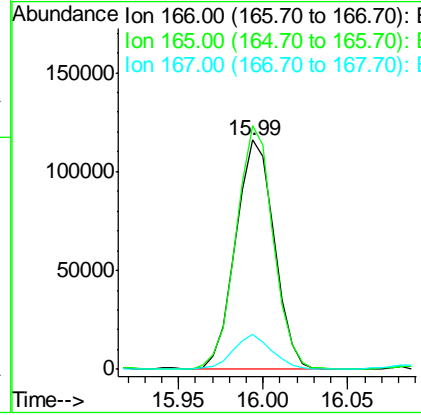
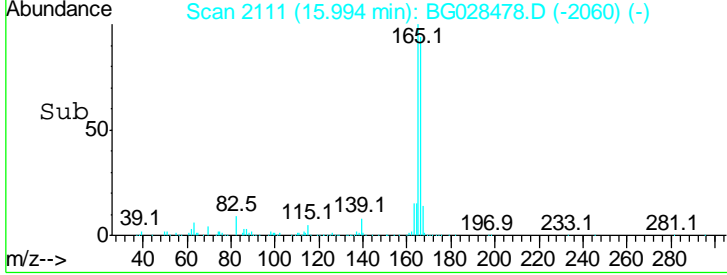
#58  
 Fluorene  
 Concen: 16.386 ng/ul  
 RT: 15.99 min Scan# 2111  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

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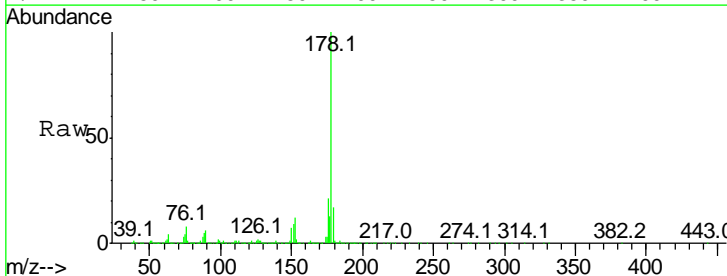


Tgt Ion	Resp	Lower	Upper
166	100		
165	106.3	79.7	119.5
167	15.2	11.4	17.2

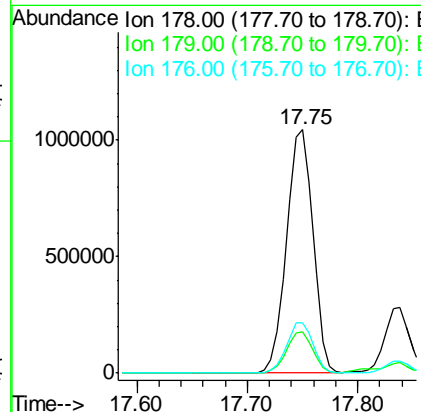
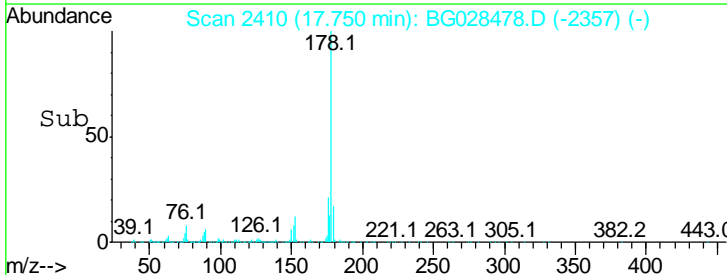
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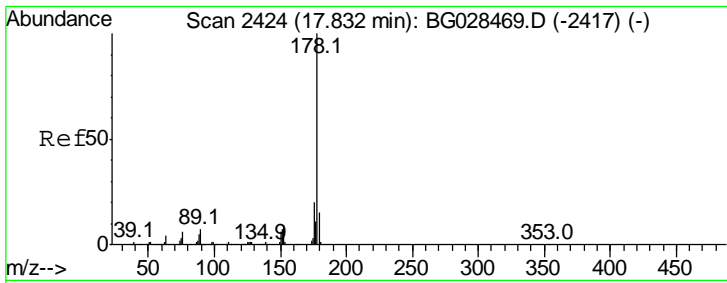


#69  
 Phenanthrene  
 Concen: 111.262 ng/ul  
 RT: 17.75 min Scan# 2410  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22



Tgt Ion	Resp	Lower	Upper
178	100		
179	17.1	12.4	18.6
176	20.8	16.5	24.7





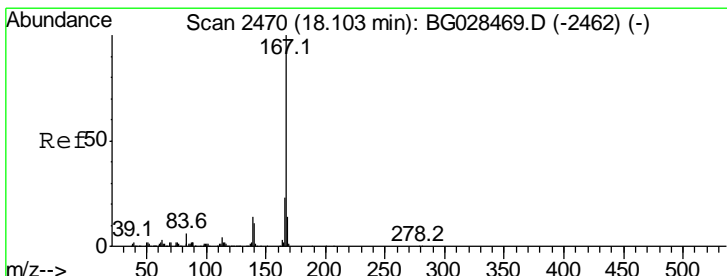
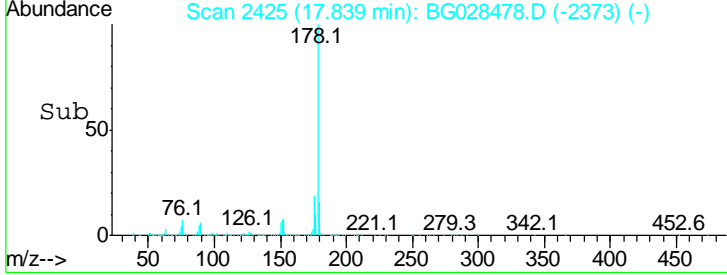
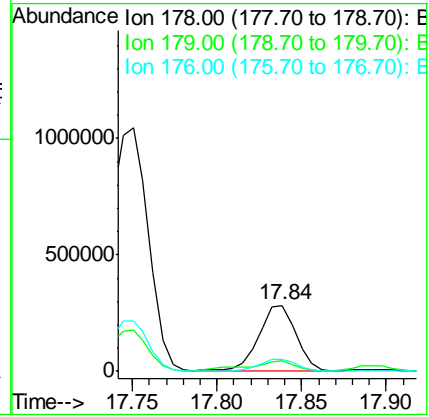
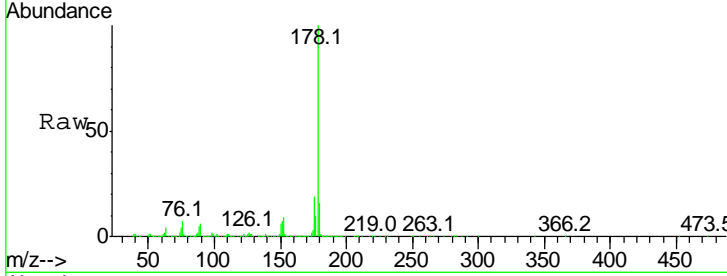
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 Anthracene  
 Concen: 27.827 ng/ul  
 RT: 17.84 min Scan# 2425  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

**Instrument :**  
 BNA\_G  
**Client Sampled :**  
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Tgt Ion	Resp	Lower	Upper
178	100		
179	16.1	12.6	19.0
176	18.5	15.9	23.9

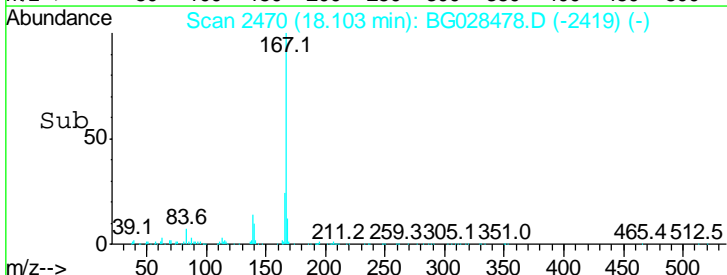
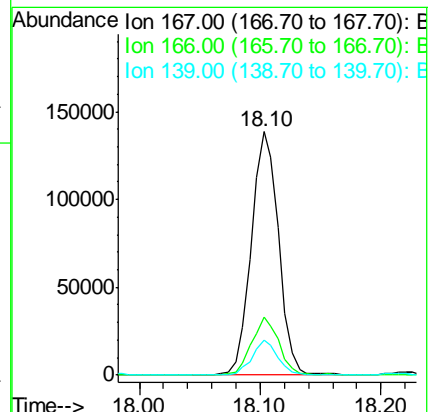
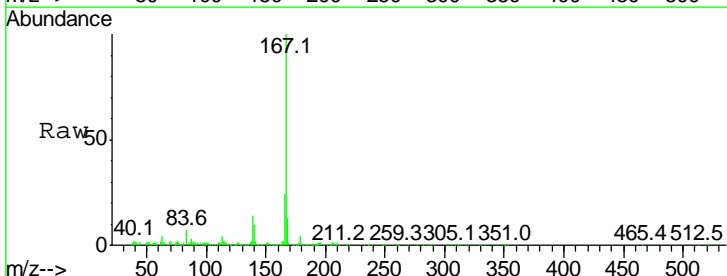
**Manual Integrations**  
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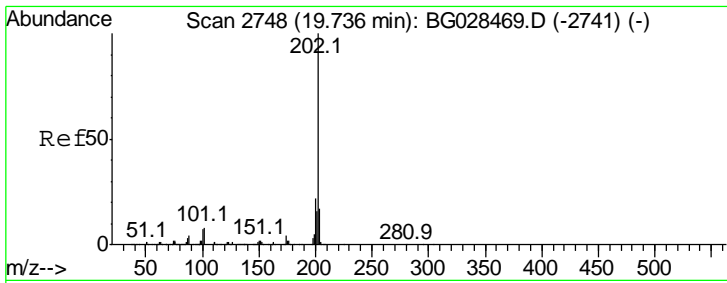
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#72  
 Carbazole  
 Concen: 15.801 ng/ul  
 RT: 18.10 min Scan# 2470  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
167	100		
166	23.8	17.9	26.9
139	14.1	10.5	15.7





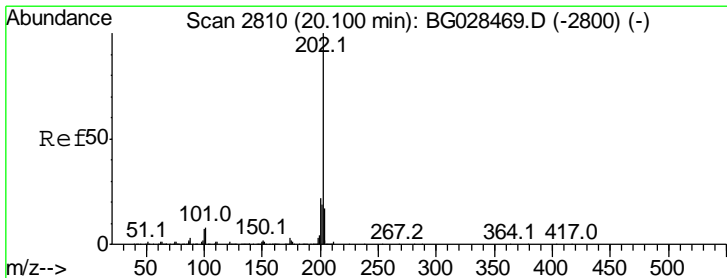
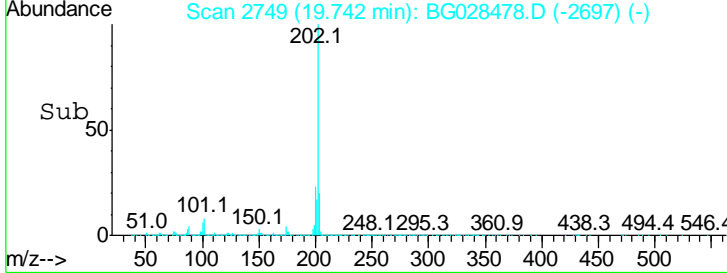
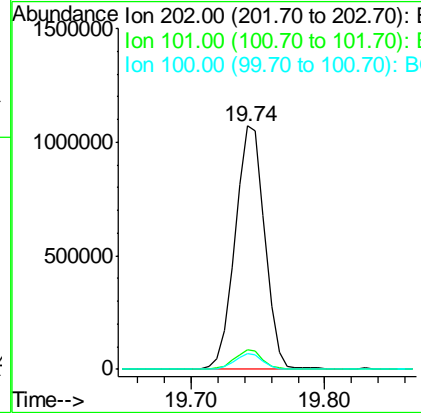
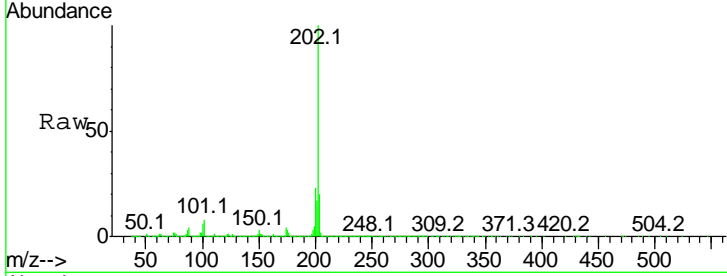
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 Fluoranthene  
 Concen: 87.541 ng/ul  
 RT: 19.74 min Scan# 2749  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

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 B0AK9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.2
100	6.4	5.2	7.8

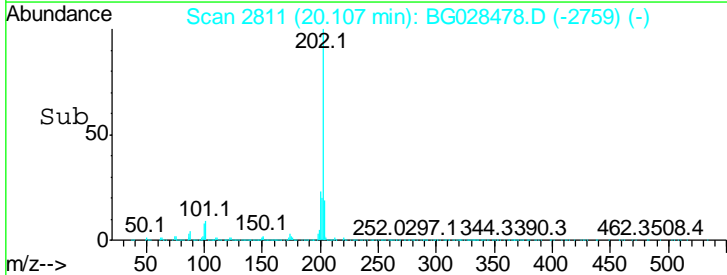
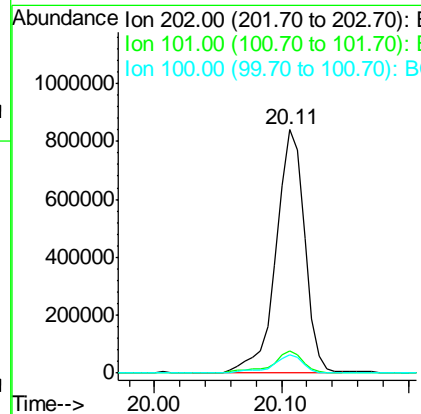
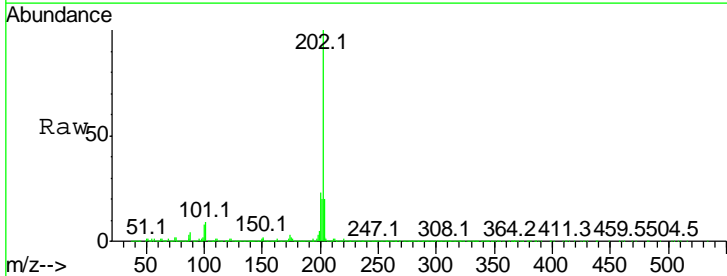
**Manual Integrations**  
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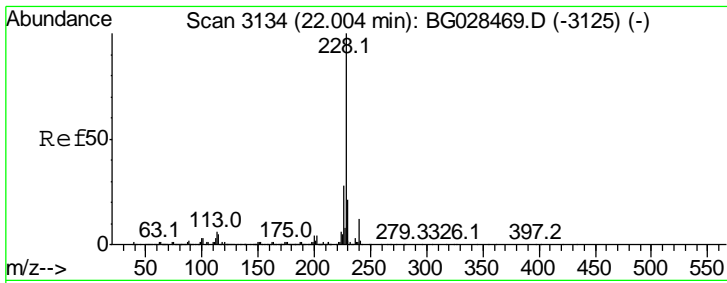


#77  
 Pyrene  
 Concen: 57.509 ng/ul  
 RT: 20.11 min Scan# 2811  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.9	10.3
100	7.8	6.6	10.0





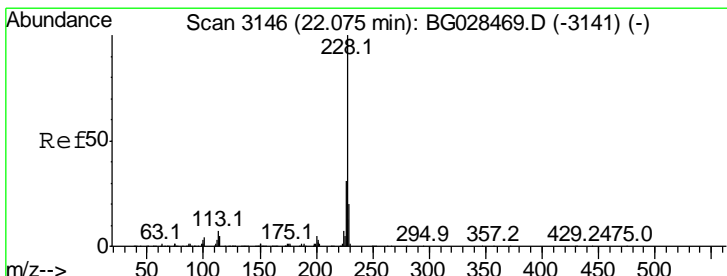
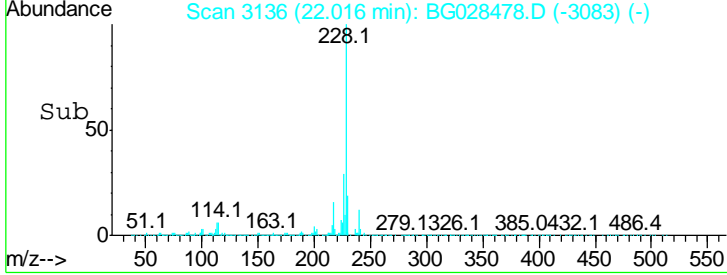
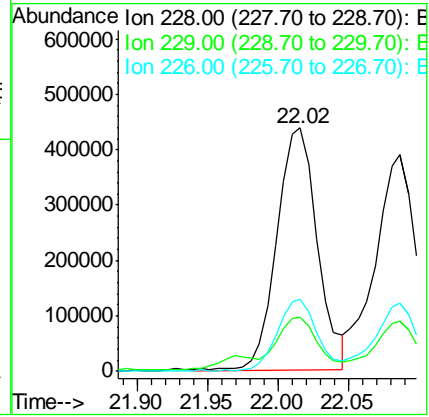
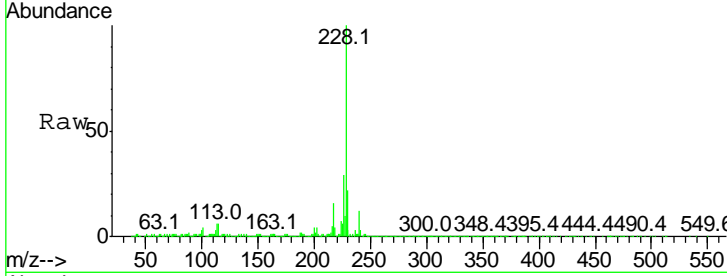


#80  
 Benzo(a)anthracene  
 Concen: 39.839 ng/ul  
 RT: 22.02 min Scan# 3136  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Instrument :  
 BNA\_G  
 ClientSampled :  
 B0AK9

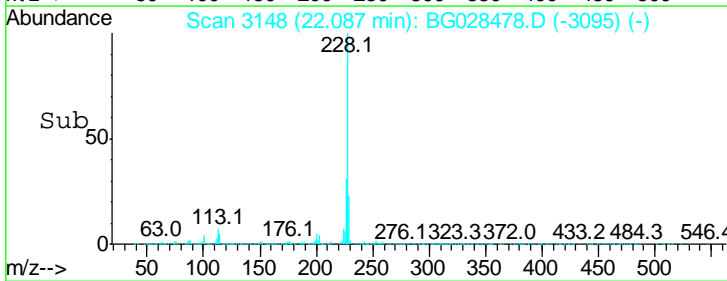
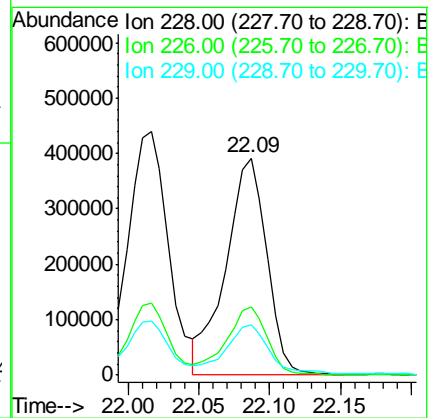
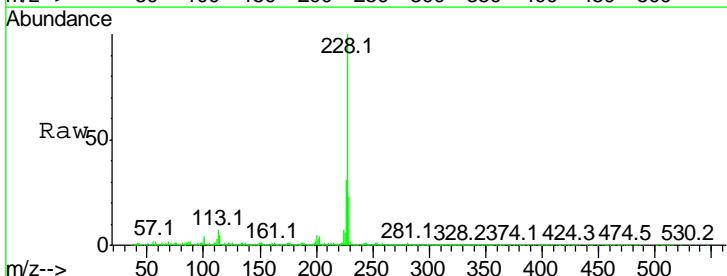
Tgt Ion	Resp	Lower	Upper
228	100		
229	22.4	16.3	24.5
226	29.4	21.9	32.9

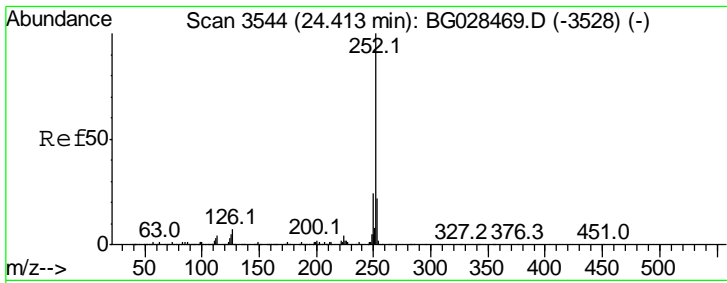
Manual Integrations  
**APPROVED**  
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#82  
 Chrysene  
 Concen: 39.565 ng/ul  
 RT: 22.09 min Scan# 3148  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	23.2	16.9	25.3





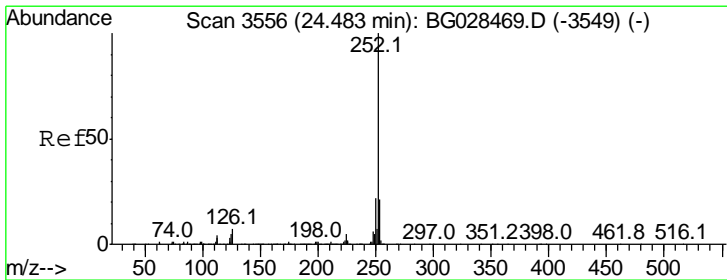
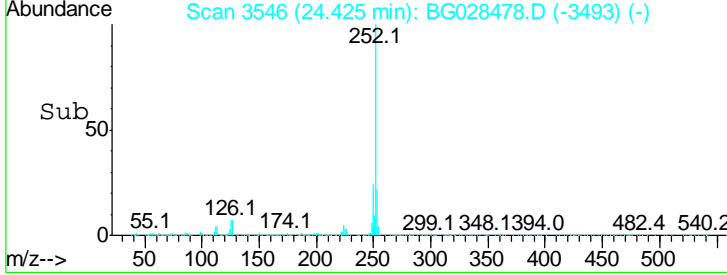
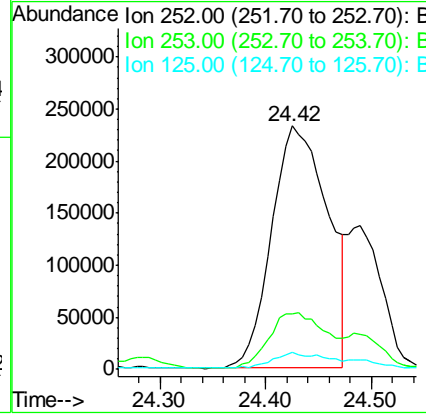
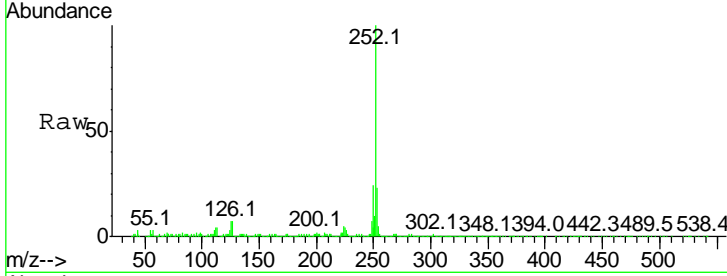
#85  
 Benzo(b)fluoranthene  
 Concen: 37.452 ng/ul  
 RT: 24.42 min Scan# 3546  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Instrument :  
 BNA\_G  
 ClientSampled :  
 B0AK9

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	7.1	4.0	6.0#

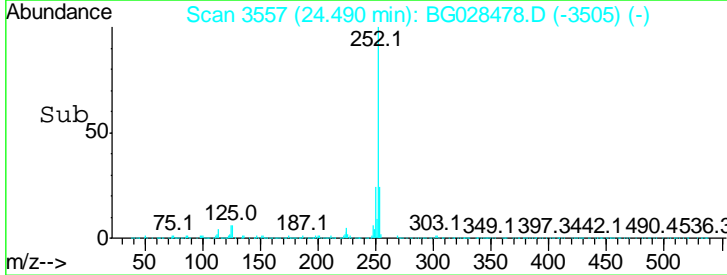
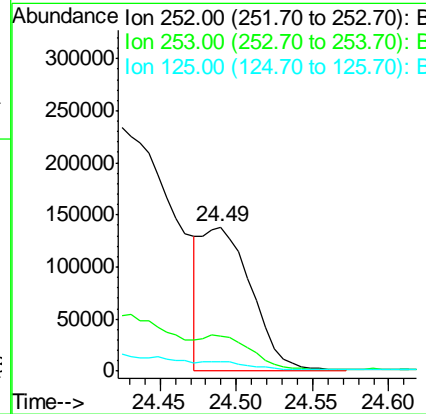
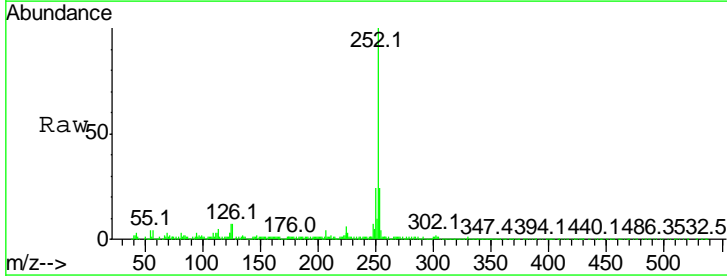
Manual Integrations  
 APPROVED

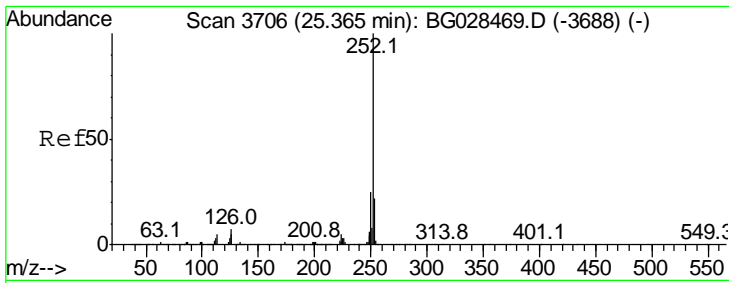
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#86  
 Benzo(k)fluoranthene  
 Concen: 14.153 ng/ul m  
 RT: 24.49 min Scan# 3557  
 Delta R.T. 0.01 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	6.8	4.1	6.1#





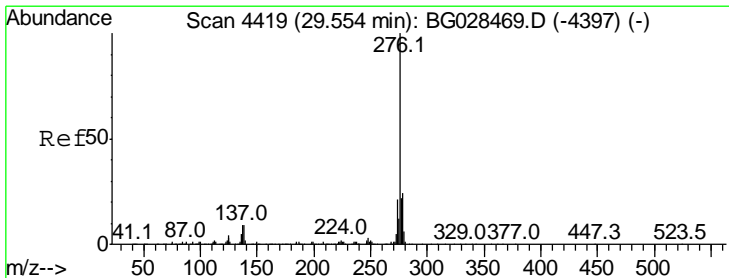
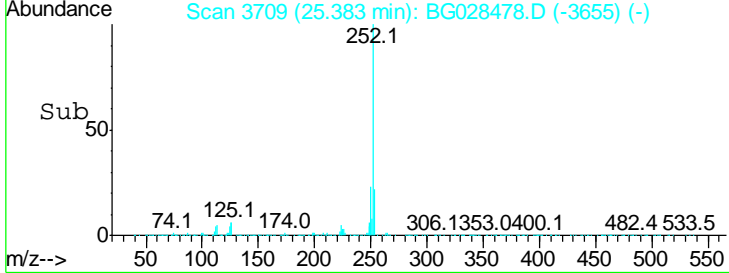
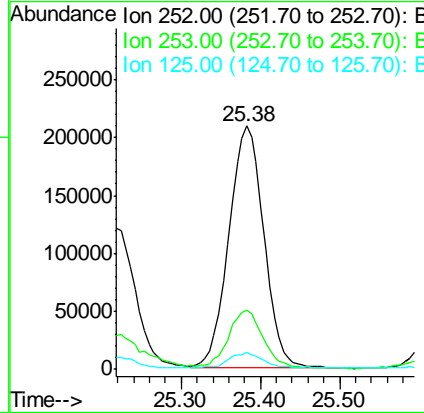
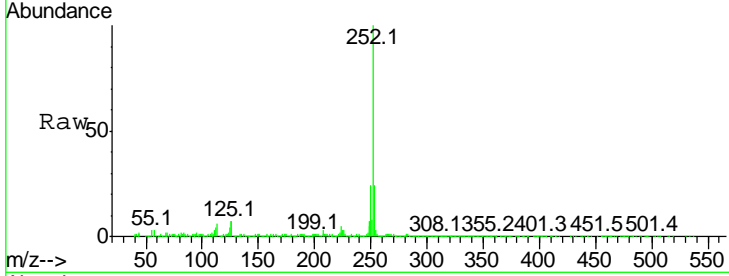
#88  
 Benzo(a)pyrene  
 Concen: 28.733 ng/ul  
 RT: 25.38 min Scan# 3709  
 Delta R.T. 0.02 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
 B0AK9

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	7.1	5.4	8.0

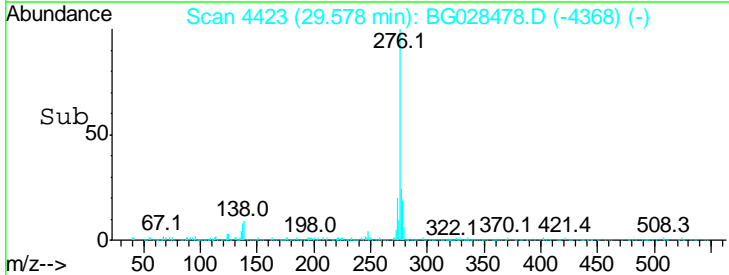
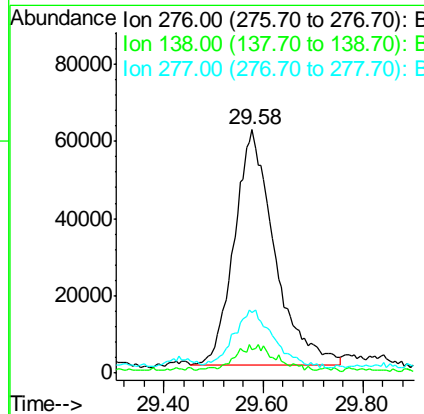
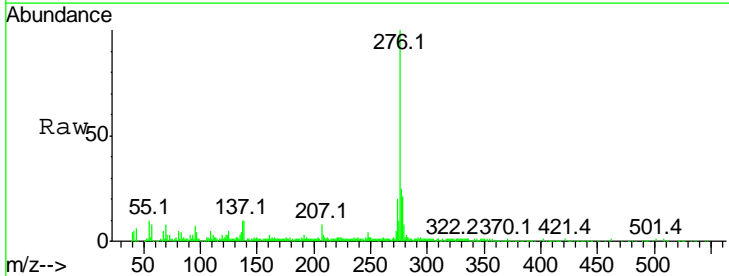
**Manual Integrations**  
**APPROVED**

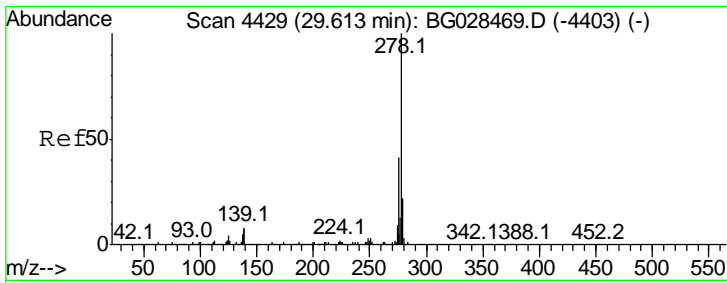
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 8/25/2017 5:44:02 PM



#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 13.223 ng/ul  
 RT: 29.58 min Scan# 4423  
 Delta R.T. 0.02 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
276	100		
138	9.6	8.2	12.4
277	24.7	18.6	28.0



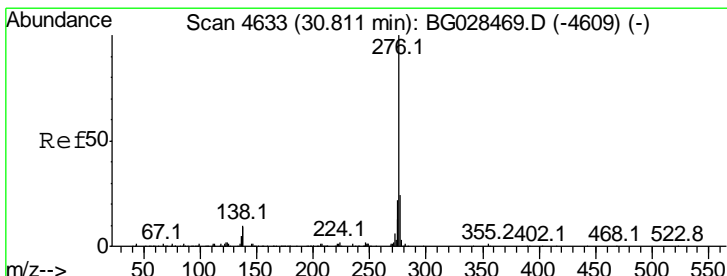
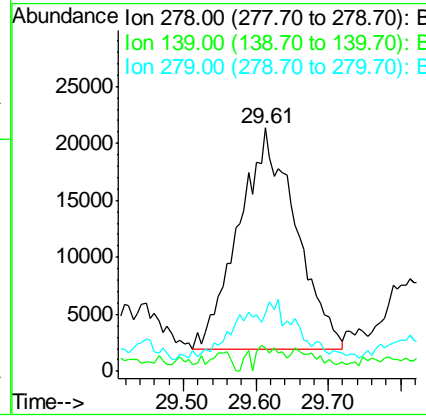
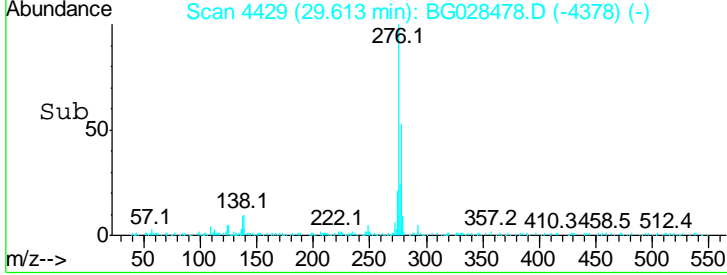
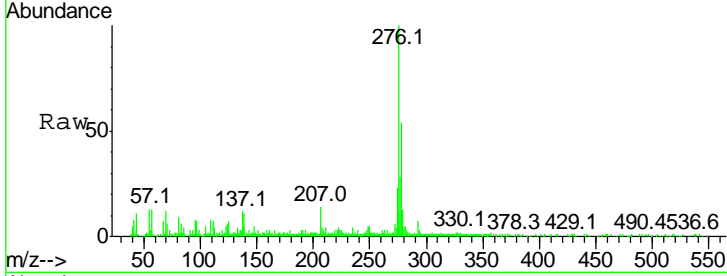


#90  
 Dibenzo(a,h)anthracene  
 Concen: 4.834 ng/ul  
 RT: 29.61 min Scan# 4429  
 Delta R.T. 0.00 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
 B0AK9

Tgt Ion	Resp	Lower	Upper
278	105461		
139	9.4	6.7	10.1
279	24.0	20.9	31.3

**Manual Integrations**  
**APPROVED**  
 Sohil  
 8/25/2017 5:44:02 PM



#91  
 Benzo(g,h,i)perylene  
 Concen: 11.196 ng/ul  
 RT: 30.85 min Scan# 4640  
 Delta R.T. 0.04 min  
 Lab File: BG028478.D  
 Acq: 25 Aug 2017 3:22

Tgt Ion	Resp	Lower	Upper
276	239736		
138	10.1	8.6	12.8
277	25.0	17.6	26.4

