

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
 Data File : BG028459.D
 Acq On : 24 Aug 2017 14:10
 Operator : SJ/JU
 Sample : I4827-05ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4ME

Manual Integrations
 APPROVED

Sohil
 8/25/2017 5:43:35 PM

Quant Time: Aug 29 11:40:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 01:07:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	35069	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	150076	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	110869	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	278068m	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	346368	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	330888	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	3017	4.01	ng/uL	0.00
5) Phenol-d5	7.49	99	86233	22.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	55593	22.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	65416	26.92	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	79197	24.60	ng/ul	0.00
19) Nitrobenzene-d5	9.50	128	34451	29.36	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.23	143	42546	33.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	80482	30.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	79395	26.79	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	329133	33.38	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	335874	30.21	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	46640	29.75	ng/ul	0.00
57) Fluorene-d10	15.94	176	262866	29.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	56223m	31.12	ng/ul	0.00
70) Anthracene-d10	17.80	188	463975	34.80	ng/ul	0.00
76) Pyrene-d10	20.07	212	560325	31.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	555886	35.89	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.21	128	58839	7.916	ng/ul#	94
34) 2-Methylnaphthalene	12.79	142	22212	3.720	ng/ul	88
49) Acenaphthene	15.01	153	36796	5.133	ng/ul	95
53) Dibenzofuran	15.34	168	61245	5.860	ng/ul	99
58) Fluorene	15.99	166	72627	7.848	ng/ul	94
69) Phenanthrene	17.75	178	807952m	57.736	ng/ul	
71) Anthracene	17.83	178	163043	11.400	ng/ul	97
72) Carbazole	18.10	167	81546	6.556	ng/ul	95
74) Fluoranthene	19.74	202	936478	55.065	ng/ul	99
77) Pyrene	20.10	202	829691	40.150	ng/ul	99
80) Benzo(a)anthracene	22.01	228	407573	20.366	ng/ul	94
82) Chrysene	22.08	228	365862	20.299	ng/ul	95
85) Benzo(b)fluoranthene	24.42	252	459408	23.202	ng/ul	98
86) Benzo(k)fluoranthene	24.48	252	167888m	8.680	ng/ul	
88) Benzo(a)pyrene	25.37	252	354604	18.496	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.56	276	216830	9.658	ng/ul	94
90) Dibenzo(a,h)anthracene	29.60	278	51480	2.736	ng/ul	96
91) Benzo(g,h,i)perylene	30.82	276	183177	9.918	ng/ul	97

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

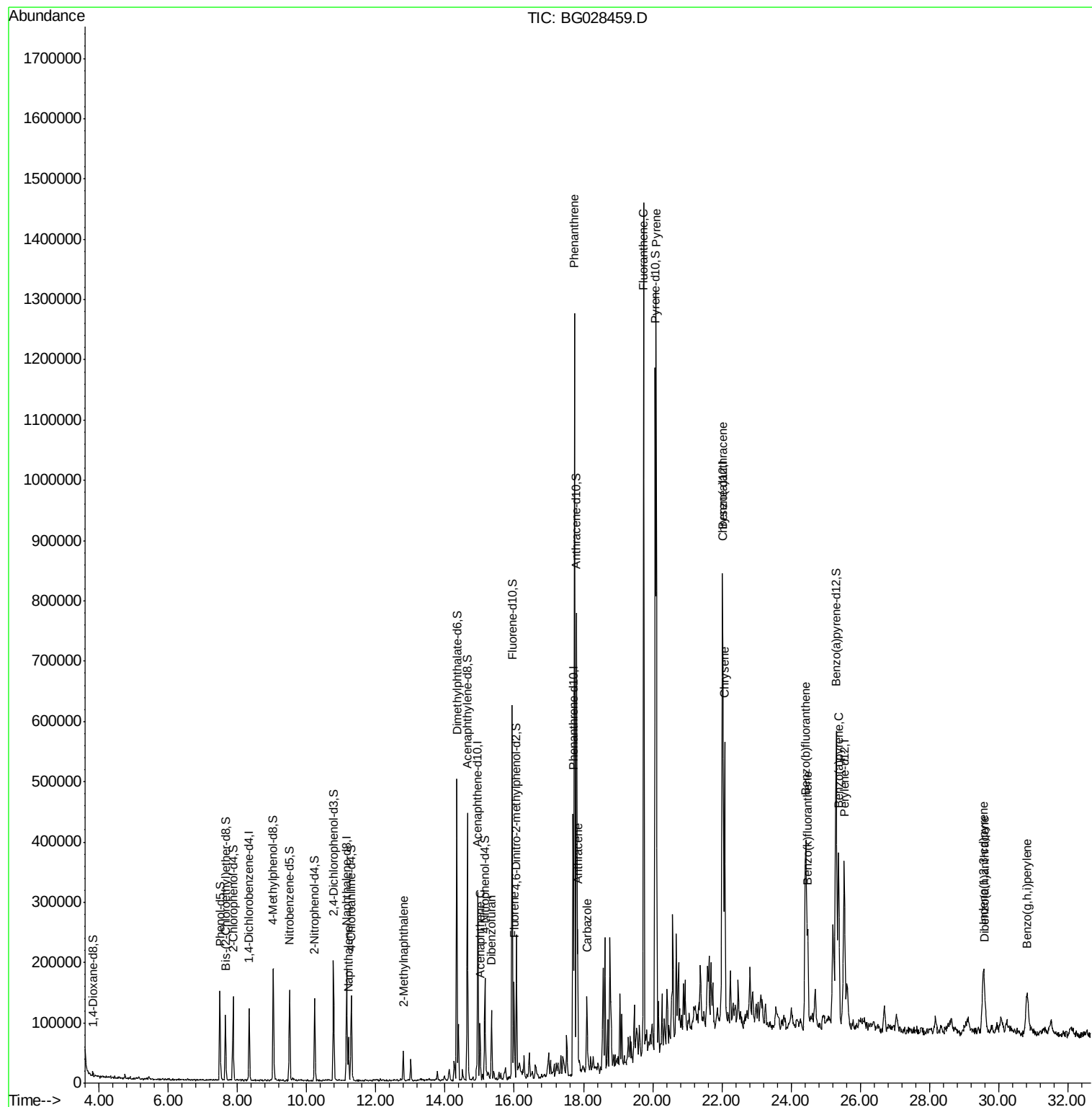
Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028459.D
Acq On : 24 Aug 2017 14:10
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Misc :
ALS Vial : 6 Sample Multiplier: 1

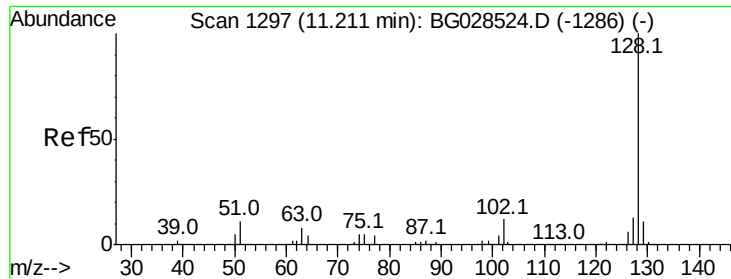
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Aug 29 11:40:25 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 25 01:07:54 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 7.916 ng/ul

RT: 11.21 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

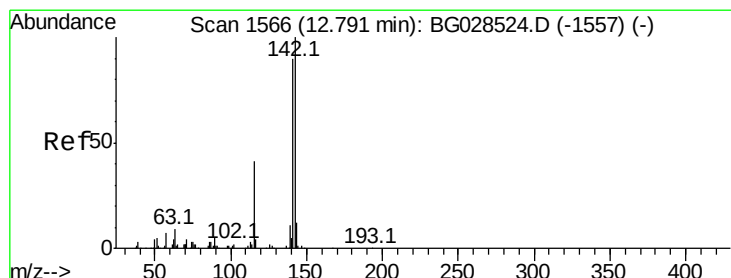
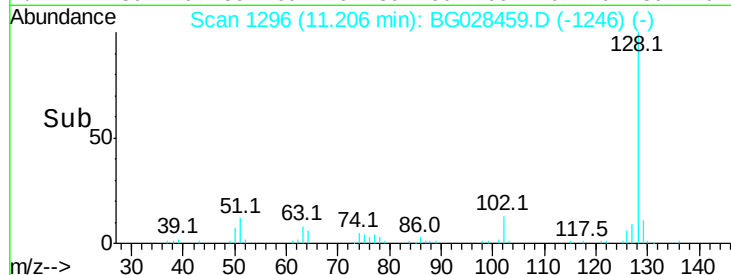
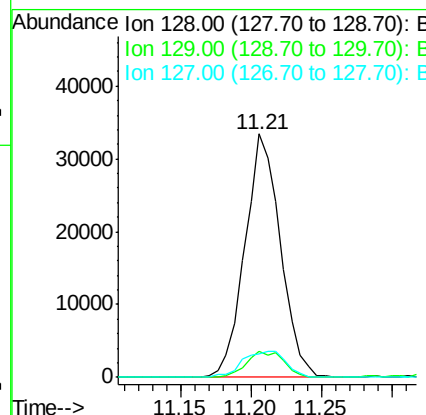
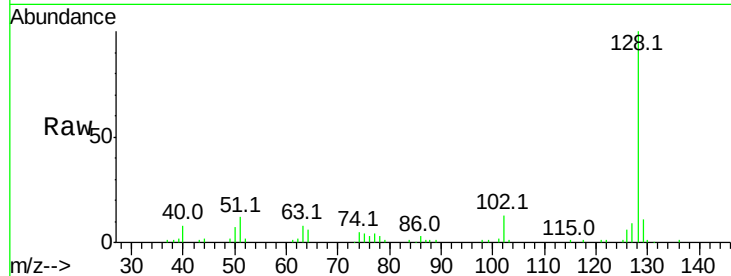
ClientSampleId :

B0AB4ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.4	14.2
127	9.4	10.3	15.5#

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#34

2-Methylnaphthalene

Concen: 3.720 ng/ul

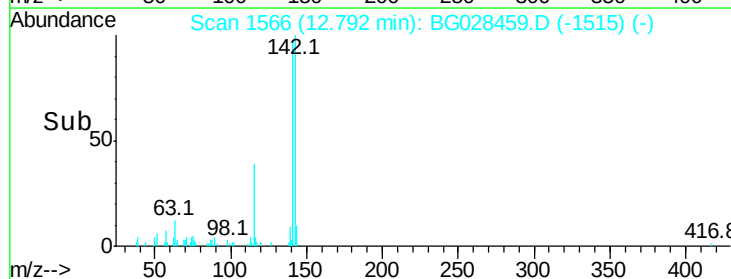
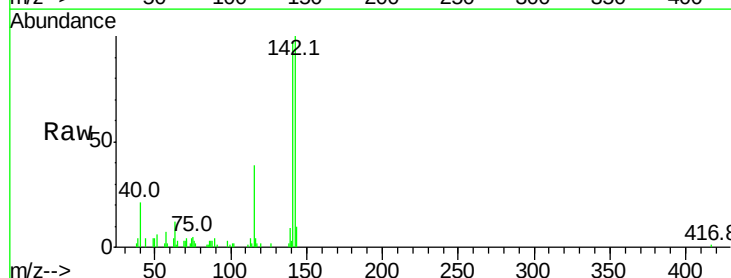
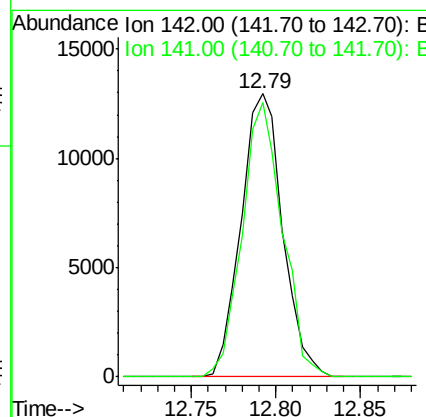
RT: 12.79 min Scan# 1566

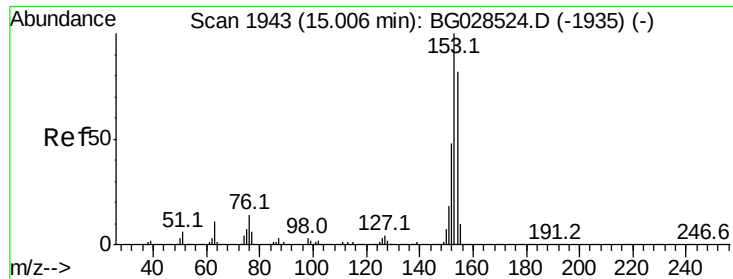
Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.1	68.6	102.8





#49

Acenaphthene

Concen: 5.133 ng/ul

RT: 15.01 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

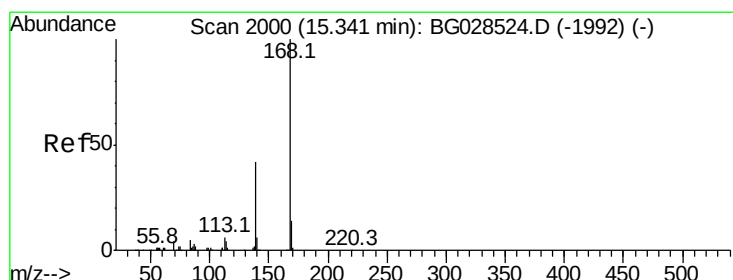
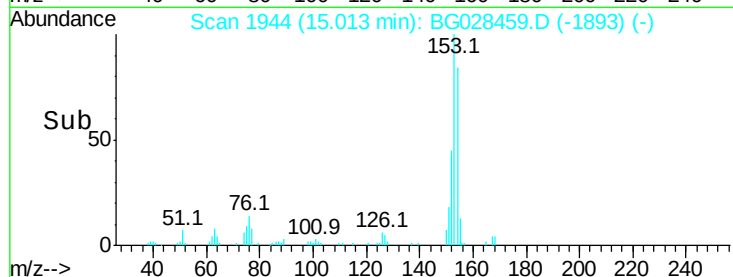
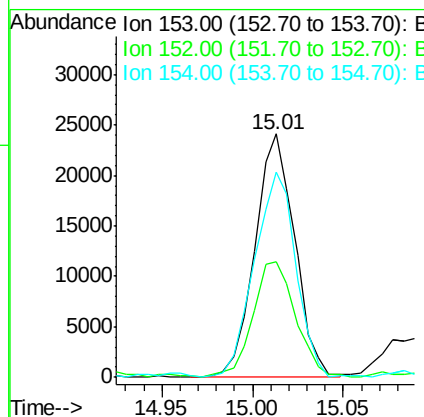
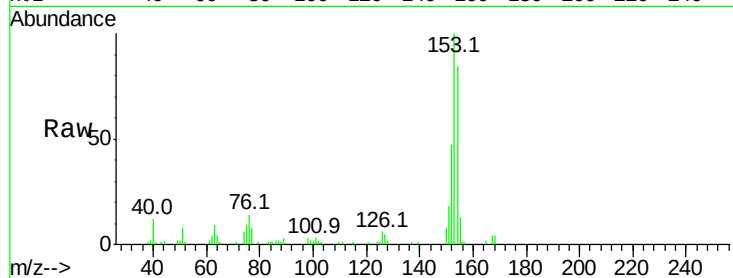
ClientSampleId :

B0AB4ME

Tot Ion:153	Resp:	36796
Ion Ratio	Lower	Upper
153	100	
152	47.4	36.5 54.7
154	84.2	72.3 108.5

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#53

Dibenzofuran

Concen: 5.860 ng/ul

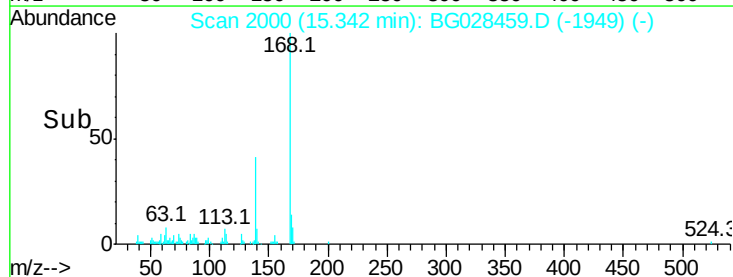
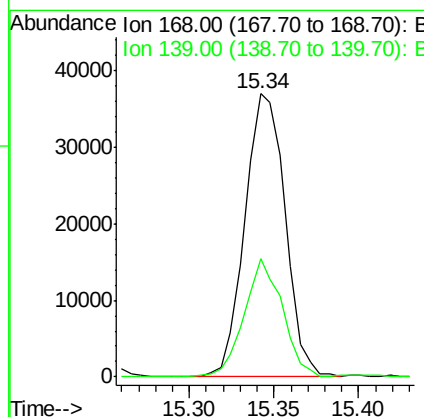
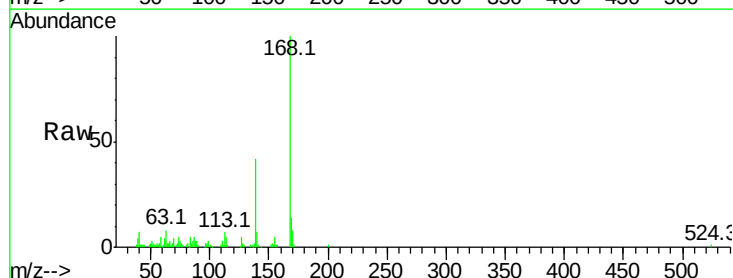
RT: 15.34 min Scan# 2000

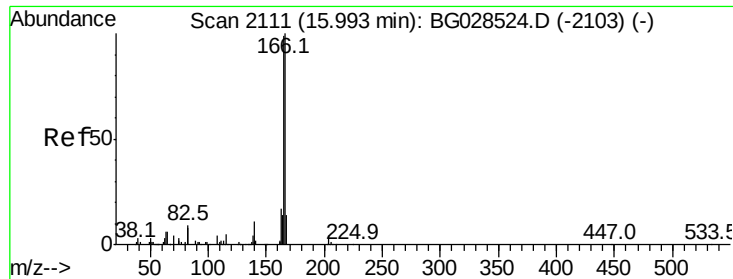
Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Tgt Ion:168	Resp:	61245
Ion Ratio	Lower	Upper
168	100	
139	41.6	33.8 50.8





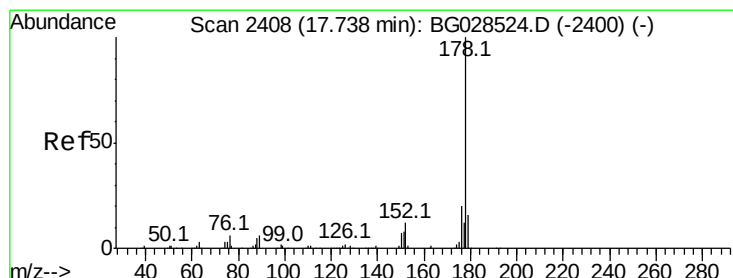
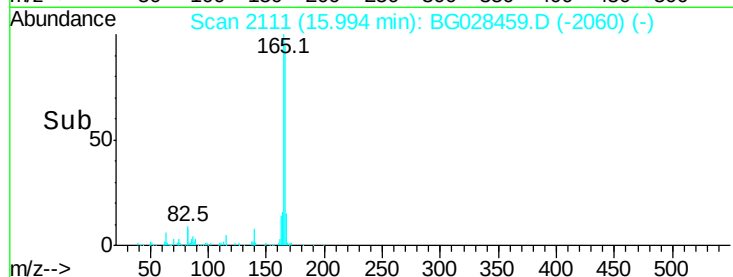
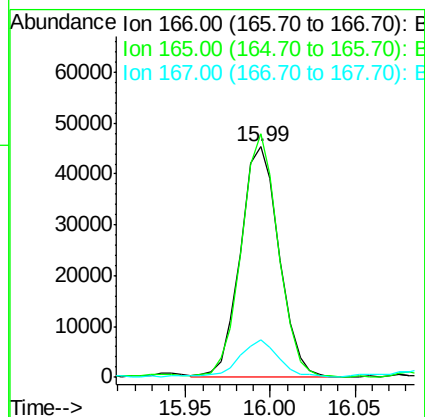
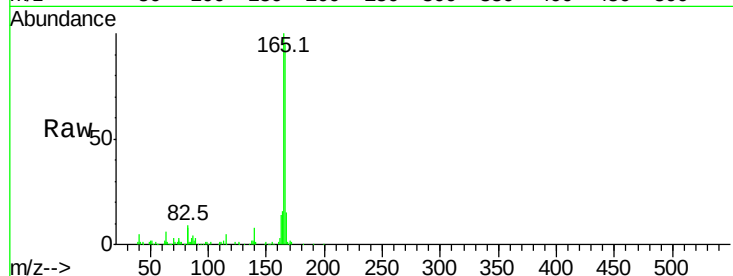
#58
 Fluorene
 Concen: 7.848 ng/ul
 RT: 15.99 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: BG028459.D
 Acq: 24 Aug 2017 14:10

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4ME

Tot Ion:	166	Resp:	72627
Ion Ratio	Lower	Upper	
166	100		
165	105.6	79.7	119.5
167	16.3	11.4	17.2

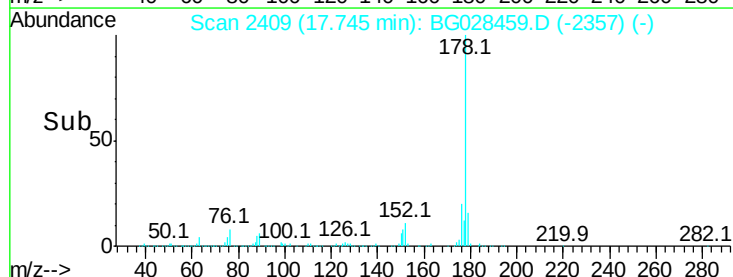
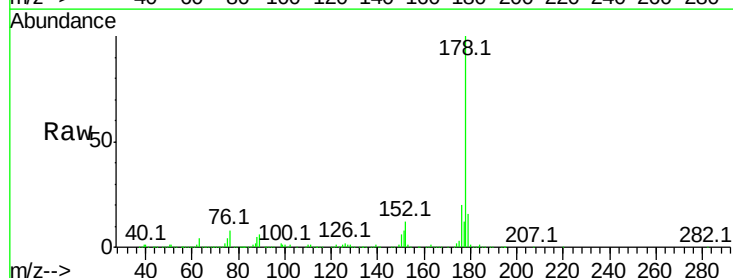
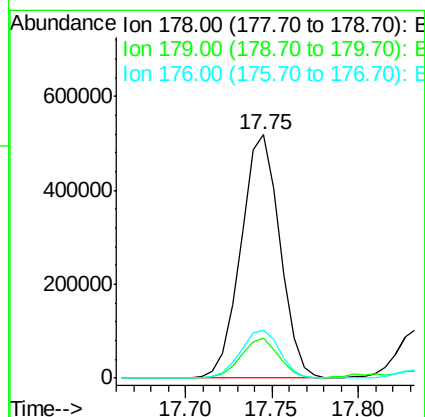
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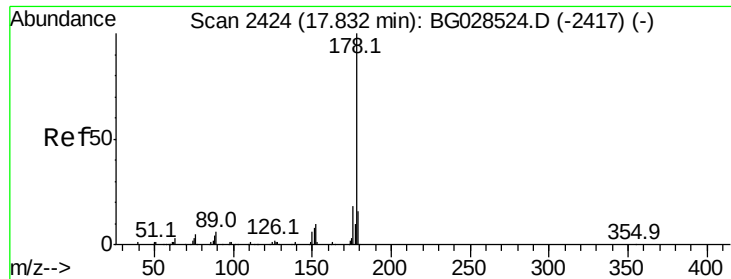
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#69
 Phenanthrene
 Concen: 57.736 ng/ul m
 RT: 17.75 min Scan# 2409
 Delta R.T. 0.01 min
 Lab File: BG028459.D
 Acq: 24 Aug 2017 14:10

Tgt Ion:	178	Resp:	807952
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.4	18.6
176	19.8	16.5	24.7





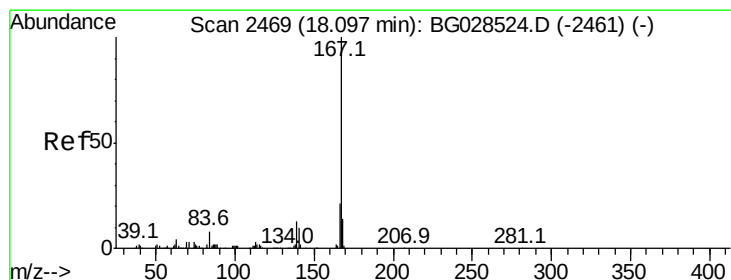
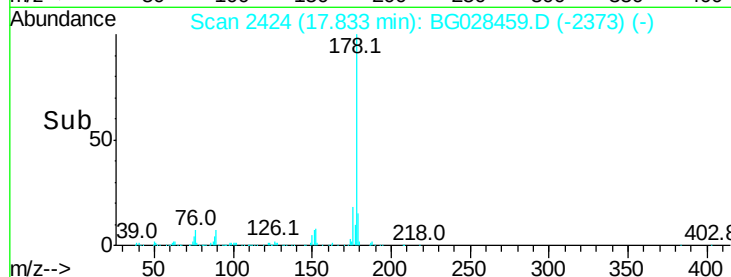
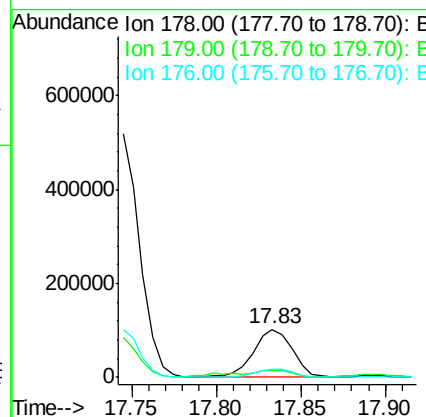
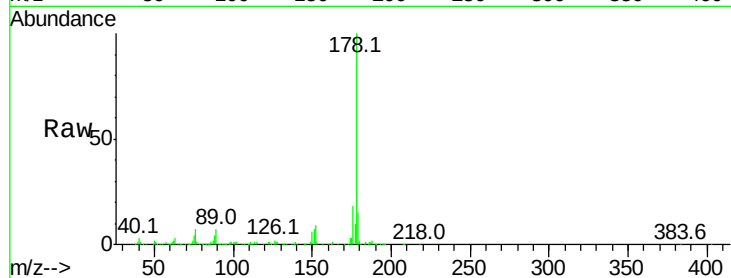
#71
 Anthracene
 Concen: 11.400 ng/ul
 RT: 17.83 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BG028459.D
 Acq: 24 Aug 2017 14:10

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	17.8	15.9	23.9

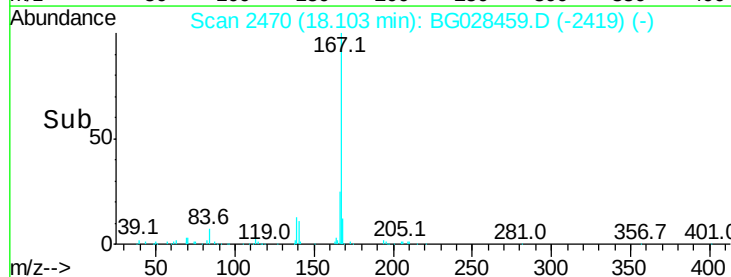
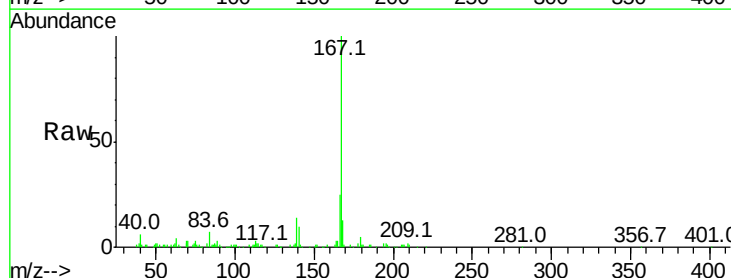
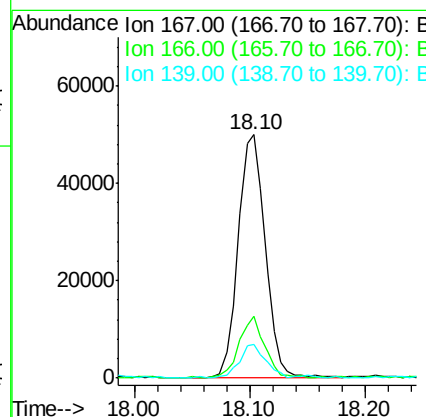
Manual Integrations
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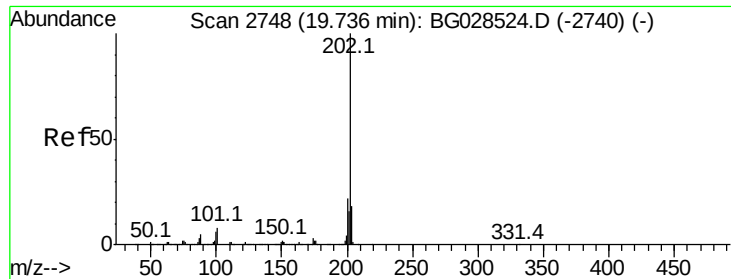
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#72
 Carbazole
 Concen: 6.556 ng/ul
 RT: 18.10 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: BG028459.D
 Acq: 24 Aug 2017 14:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.3	17.9	26.9
139	14.0	10.5	15.7





#74

Fluoranthene

Concen: 55.065 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

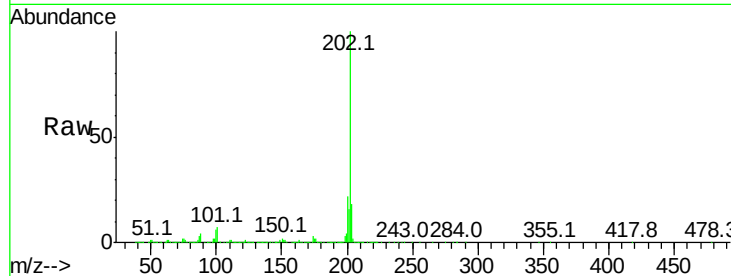
ClientSampleId :

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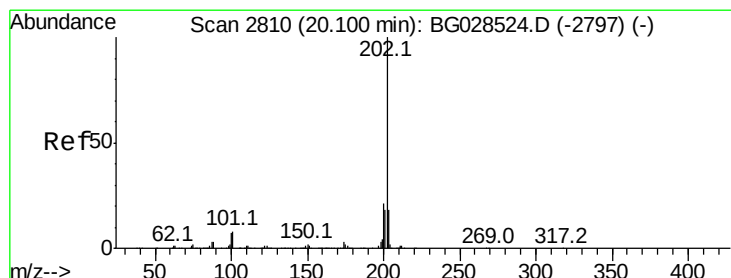
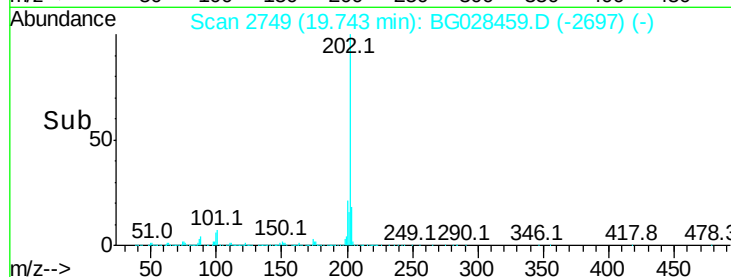
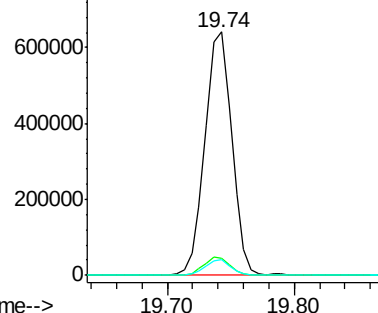
Tot Ion	Ratio	Resp	Lower	Upper
202	100	936478		
101	7.1	6.2	9.2	
100	6.4	5.2	7.8	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 40.150 ng/ul

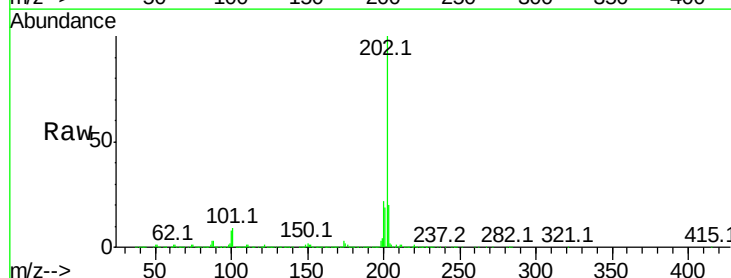
RT: 20.10 min Scan# 2810

Delta R.T. -0.00 min

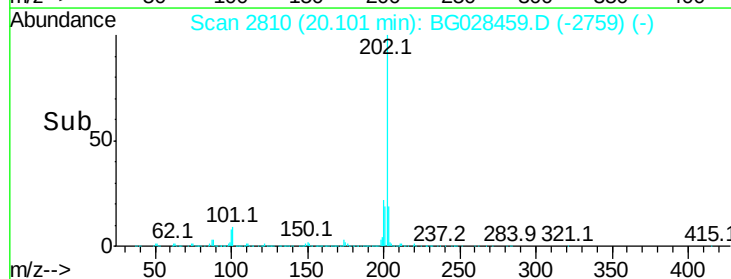
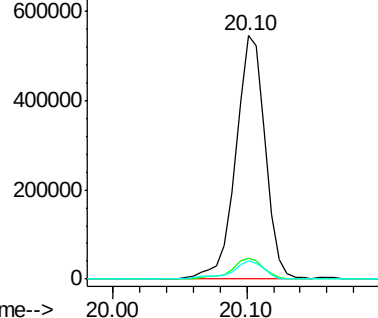
Lab File: BG028459.D

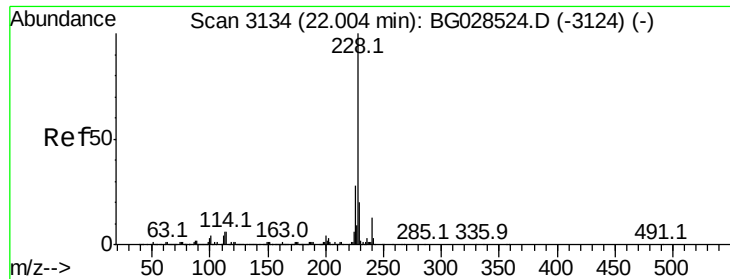
Acq: 24 Aug 2017 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	829691		
101	8.9	6.9	10.3	
100	7.7	6.6	10.0	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 20.366 ng/ul

RT: 22.01 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

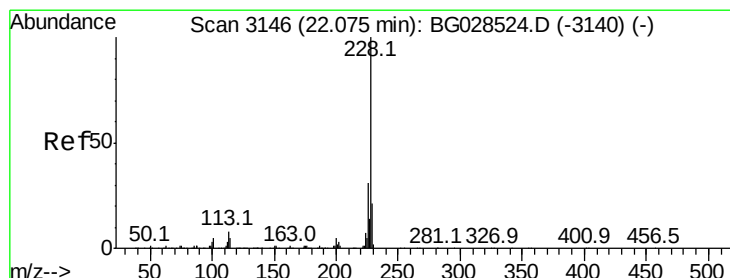
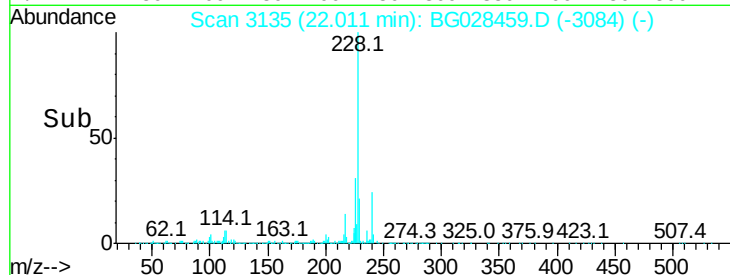
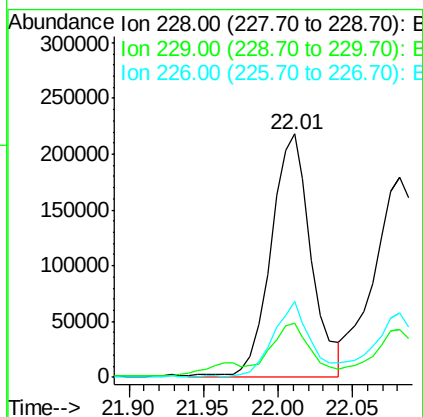
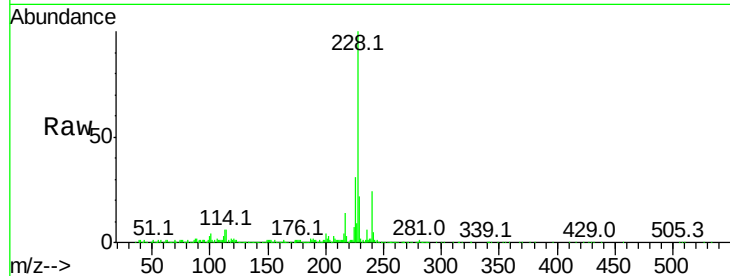
ClientSampleId :

B0AB4ME

Tot Ion:	228	Resp:	407573
Ion Ratio	Lower	Upper	
228	100		
229	22.4	16.3	24.5
226	31.1	21.9	32.9

Manual Integrations
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#82

Chrysene

Concen: 20.299 ng/ul

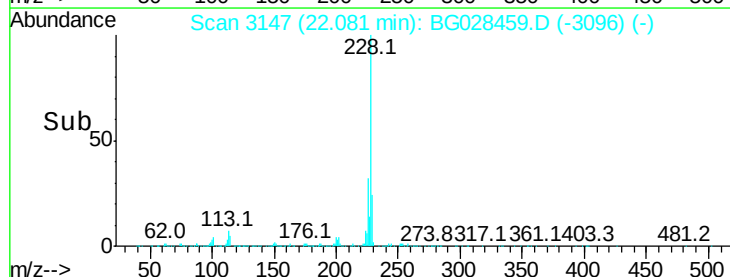
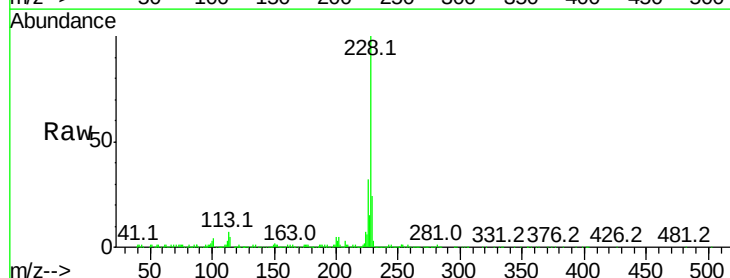
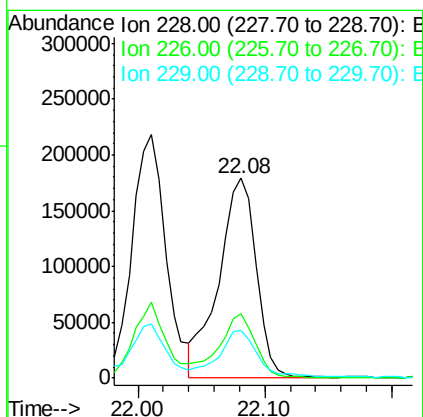
RT: 22.08 min Scan# 3147

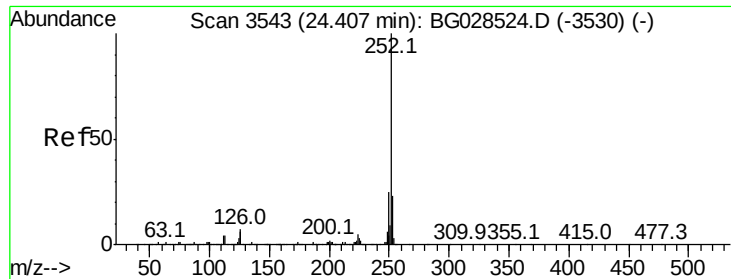
Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Tgt Ion:	228	Resp:	365862
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.0	36.0
229	24.0	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 23.202 ng/ul

RT: 24.42 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

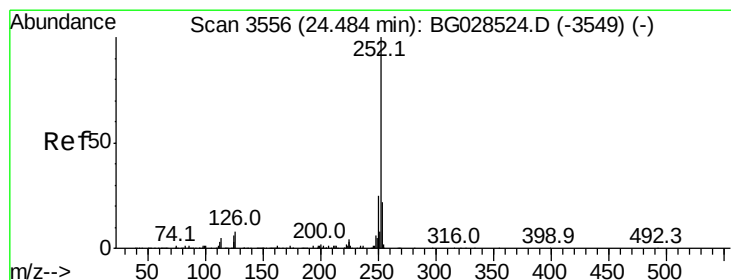
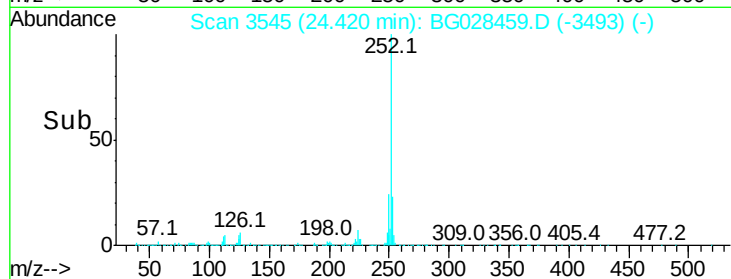
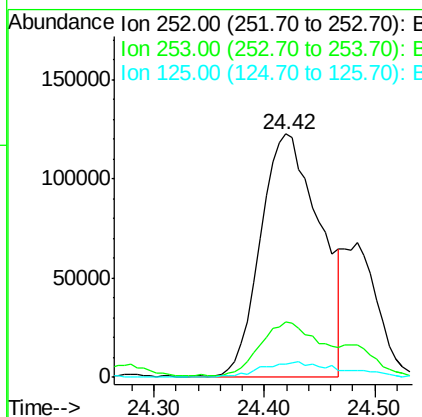
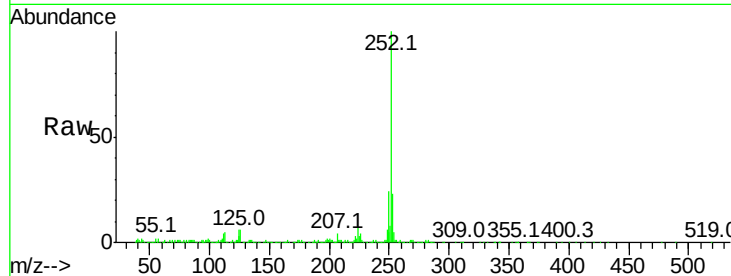
ClientSampleId :

B0AB4ME

Tot Ion:	252	Resp:	459408
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	5.7	4.0	6.0

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#86

Benzo(k)fluoranthene

Concen: 8.680 ng/ul m

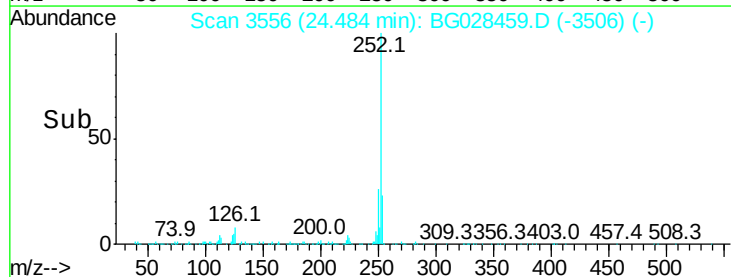
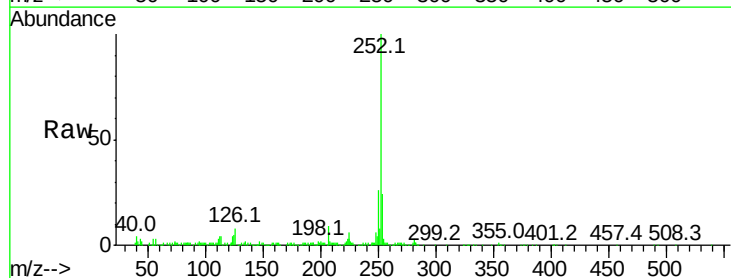
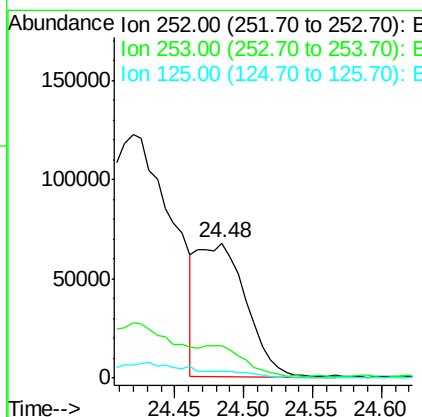
RT: 24.48 min Scan# 3556

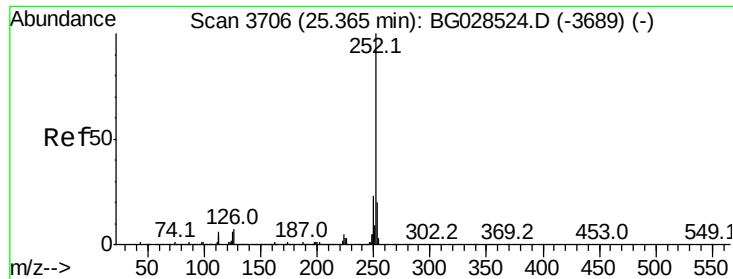
Delta R.T. -0.01 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Tgt Ion:	252	Resp:	167888
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.5	27.7
125	5.2	4.1	6.1





#88

Benzo(a)pyrene

Concen: 18.496 ng/ul

RT: 25.37 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Instrument :

BNA_G

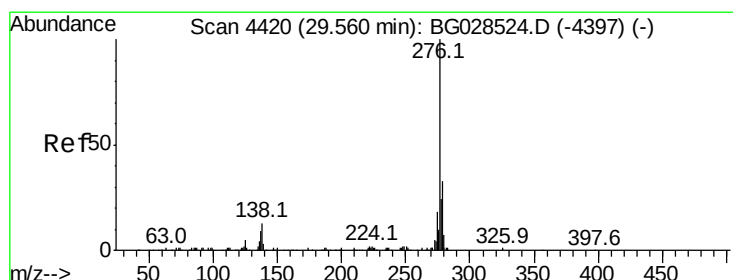
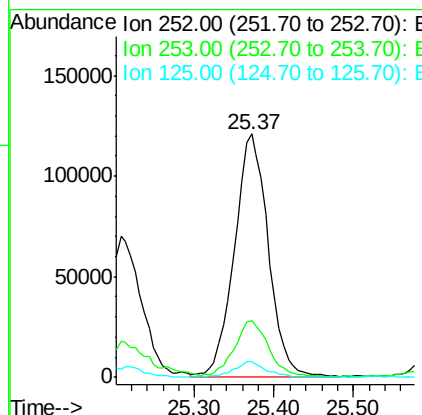
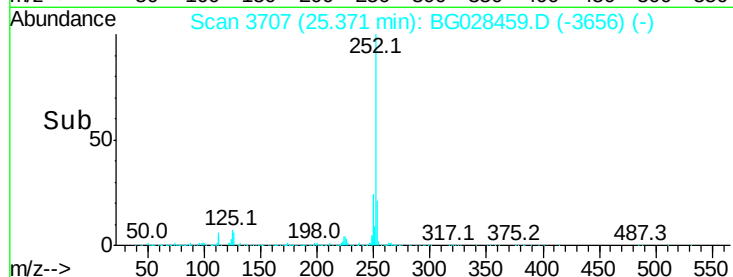
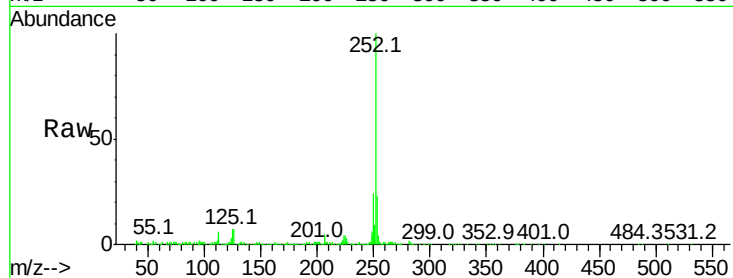
ClientSampleId :

B0AB4ME

Tot Ion:	252	Resp:	354604
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	6.7	5.4	8.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 9.658 ng/ul

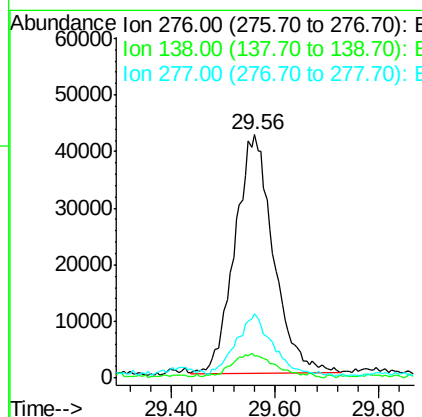
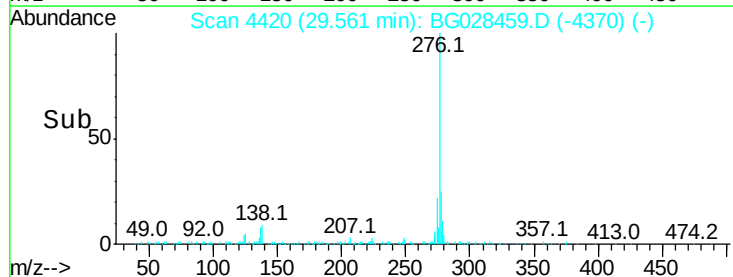
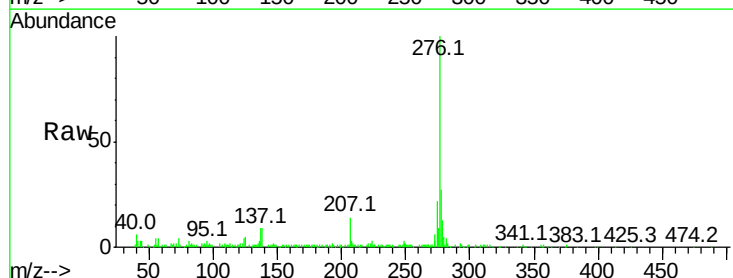
RT: 29.56 min Scan# 4420

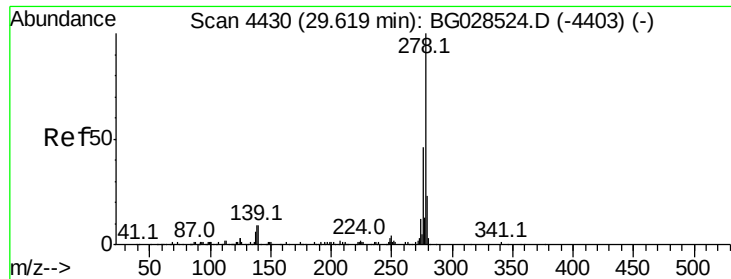
Delta R.T. -0.01 min

Lab File: BG028459.D

Acq: 24 Aug 2017 14:10

Tgt Ion:	276	Resp:	216830
Ion Ratio	Lower	Upper	
276	100		
138	9.0	8.2	12.4
277	26.6	18.6	28.0





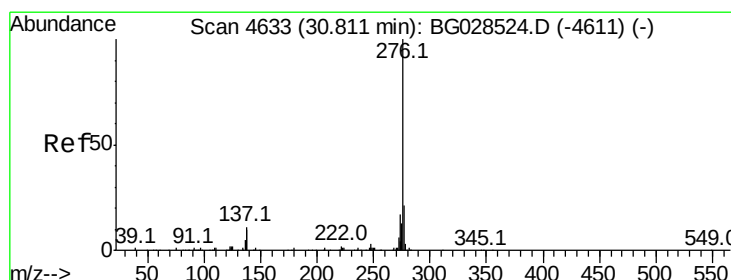
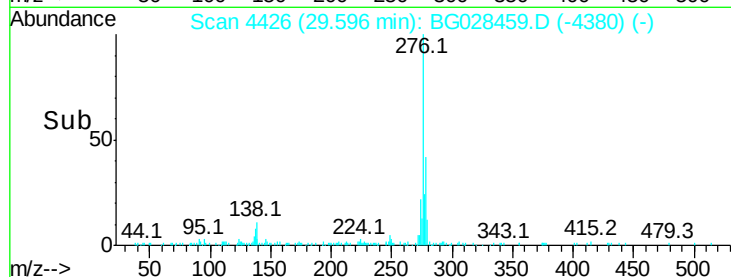
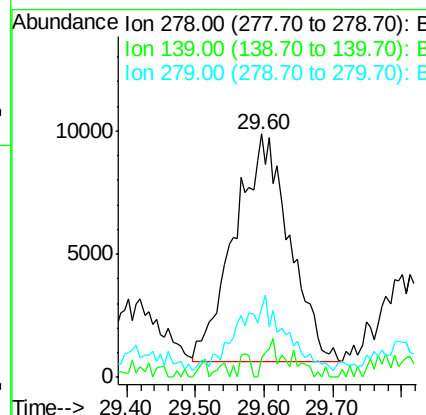
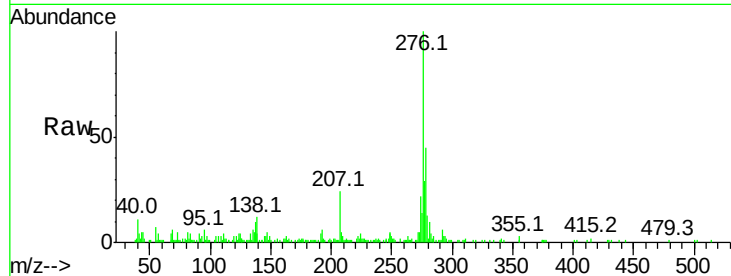
#90
Dibenzo(a,h)anthracene
Concen: 2.736 ng/ul
RT: 29.60 min Scan# 4426
Delta R.T. -0.03 min
Lab File: BG028459.D
Acq: 24 Aug 2017 14:10

Instrument :
BNA_G
ClientSampled :
B0AB4ME

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.1	6.7	10.1
279	28.6	20.9	31.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.918 ng/ul
RT: 30.82 min Scan# 4635
Delta R.T. -0.01 min
Lab File: BG028459.D
Acq: 24 Aug 2017 14:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.9	8.6	12.8
277	23.4	17.6	26.4

