

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
 Data File : BG082500.D
 Acq On : 25 Aug 2017 21:01
 Operator : SJ/JU
 Sample : I4885-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AS7

Manual Integrations
 APPROVED

Sohil
 8/28/2017 3:16:50 PM

Quant Time: Aug 26 02:35:02 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 26 01:54:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	39175	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	175499	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	119070	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	277779	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	355020	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	339440	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	4802	5.71	ng/uL	0.00
5) Phenol-d5	7.49	99	111957	26.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	70776	25.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	84306	31.06	ng/ul	0.00
13) 4-Methylphenol-d8	9.03	113	88318	24.56	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	44763	32.62	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	54459	36.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	103055	33.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	67059	19.35	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	339742	32.08	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	393325	32.94	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	44825	26.62	ng/ul	0.00
57) Fluorene-d10	15.94	176	292136	30.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	45543	25.24	ng/ul	0.00
70) Anthracene-d10	17.80	188	462536	34.72	ng/ul	0.00
76) Pyrene-d10	20.08	212	556094	30.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	543951	34.23	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	7.52	94	8972	2.098	ng/ul# 95
16) 4-Methylphenol	9.10	108	5158	1.514	ng/ul 88
28) Naphthalene	11.21	128	117243	13.489	ng/ul 97
34) 2-Methylnaphthalene	12.79	142	159683	22.872	ng/ul 86
40) 1,1'-Biphenyl	13.78	154	24296	2.794	ng/ul# 95
44) Dimethylphthalate	14.39	163	216371	22.189	ng/ul 99
47) Acenaphthylene	14.68	152	31503	2.761	ng/ul# 81
49) Acenaphthene	15.01	153	22887	2.973	ng/ul 89
53) Dibenzofuran	15.34	168	28387	2.529	ng/ul 95
58) Fluorene	16.00	166	31152	3.135	ng/ul# 95
69) Phenanthrene	17.75	178	517460	37.016	ng/ul 98
71) Anthracene	17.84	178	114280	7.999	ng/ul 98
72) Carbazole	18.11	167	63144	5.082	ng/ul 99
74) Fluoranthene	19.74	202	1242008	73.106	ng/ul 99
77) Pyrene	20.11	202	1139599	53.803	ng/ul 99
80) Benzo(a)anthracene	22.02	228	873428	42.580	ng/ul 97
82) Chrysene	22.09	228	820268	44.401	ng/ul 96
85) Benzo(b)fluoranthene	24.43	252	1160157m	57.115	ng/ul
86) Benzo(k)fluoranthene	24.49	252	380928	19.199	ng/ul 96
88) Benzo(a)pyrene	25.39	252	892222	45.366	ng/ul 97
89) Indeno(1,2,3-cd)pyrene	29.59	276	550980	23.923	ng/ul 95
90) Dibenzo(a,h)anthracene	29.62	278	149447	7.742	ng/ul# 90
91) Benzo(g,h,i)perylene	30.86	276	416883	22.002	ng/ul 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

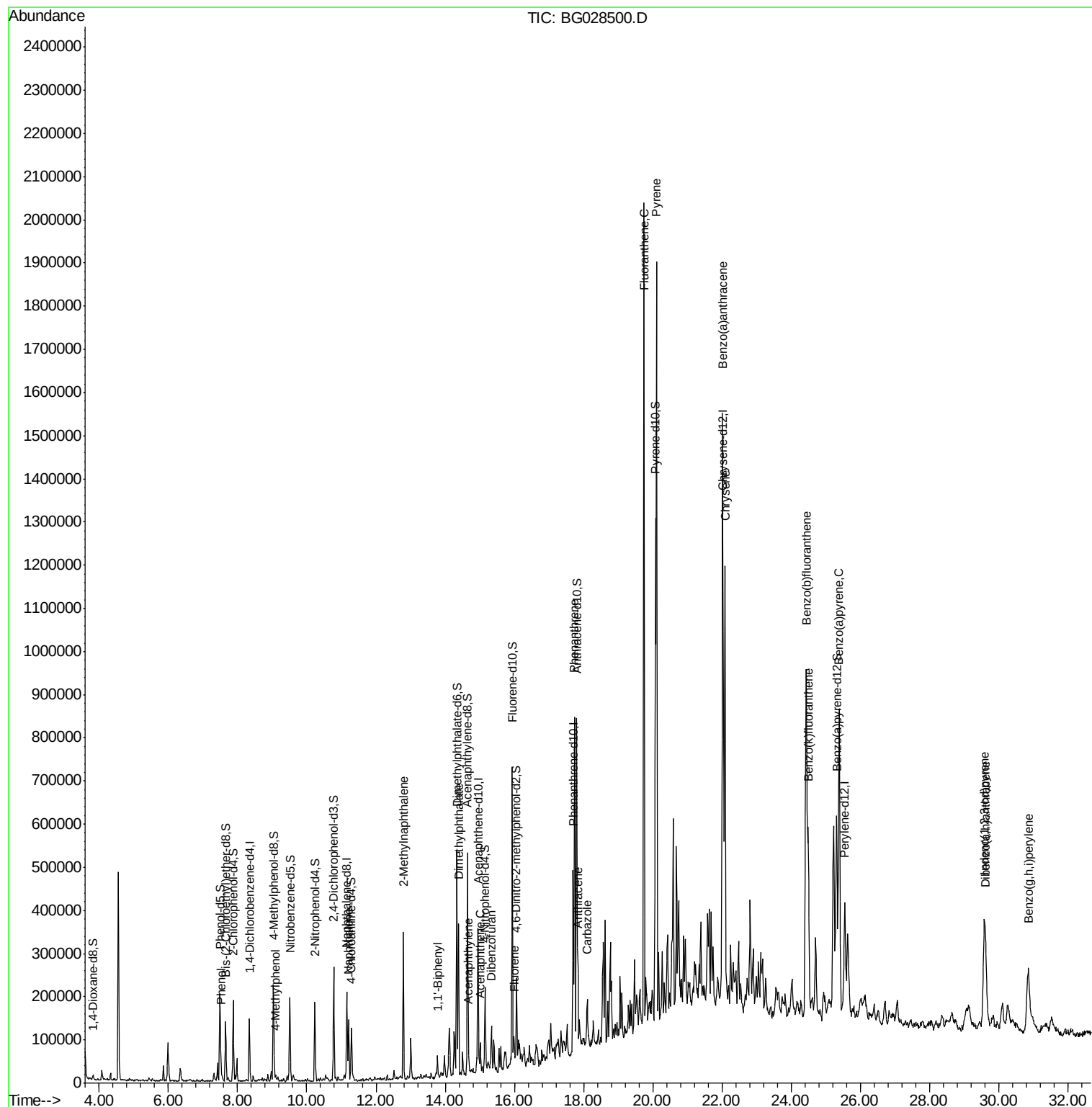
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
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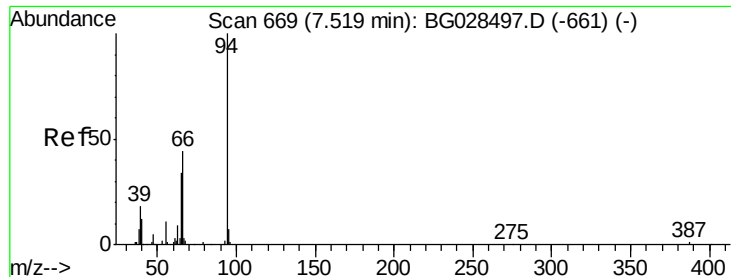
Instrument :
BNA_G
ClientSampleId :
B0AS7

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#6

Phenol

Concen: 2.098 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

ClientSampleId :

B0AS7

Tgt Ion: 94 Resp: 8972

Ion Ratio Lower Upper

94 100

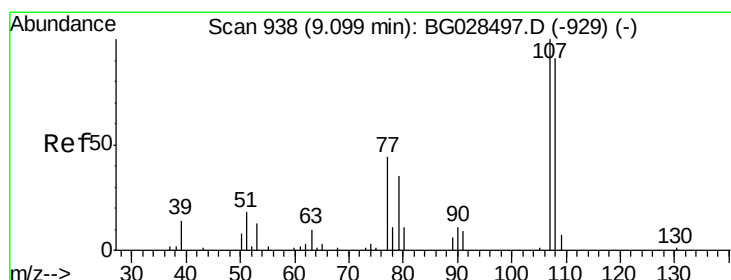
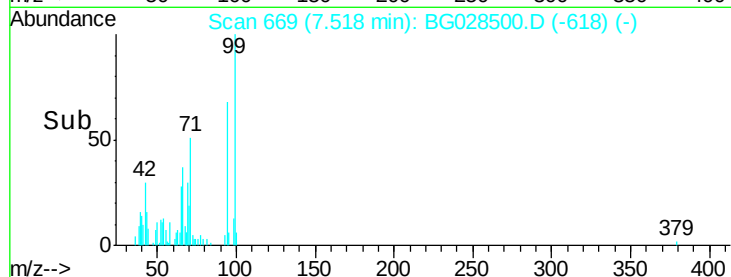
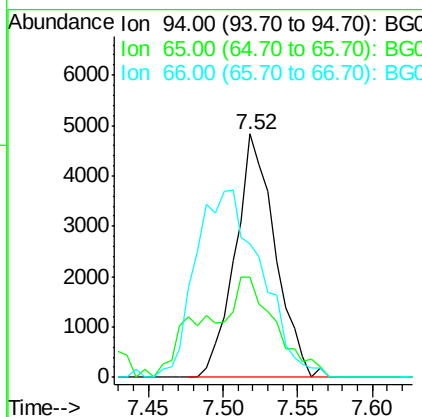
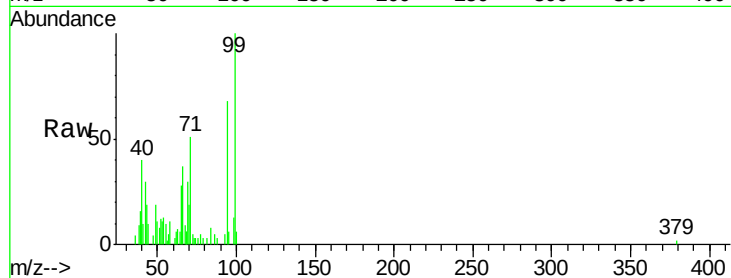
65 40.9 26.8 40.2#

66 54.9 44.4 66.6

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#16

4-Methylphenol

Concen: 1.514 ng/ul

RT: 9.10 min Scan# 939

Delta R.T. 0.01 min

Lab File: BG028500.D

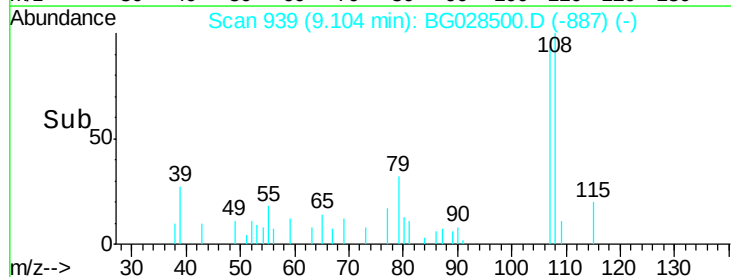
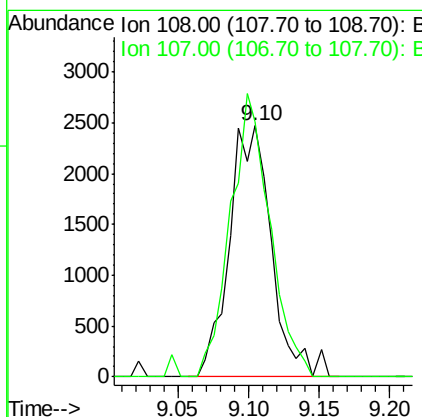
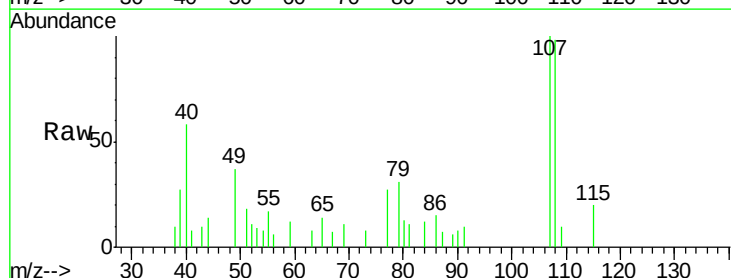
Acq: 25 Aug 2017 21:01

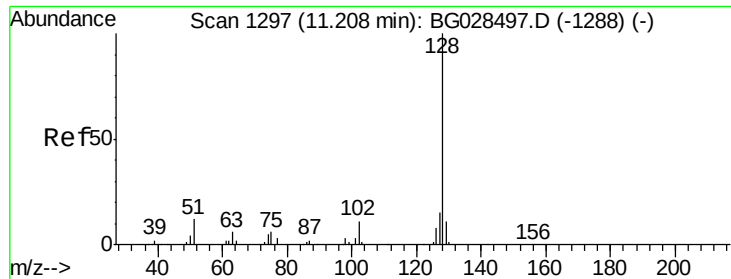
Tgt Ion: 108 Resp: 5158

Ion Ratio Lower Upper

108 100

107 102.0 91.7 137.5





#28

Naphthalene

Concen: 13.489 ng/ul

RT: 11.21 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

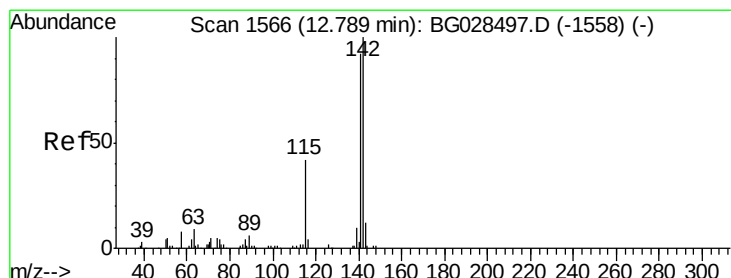
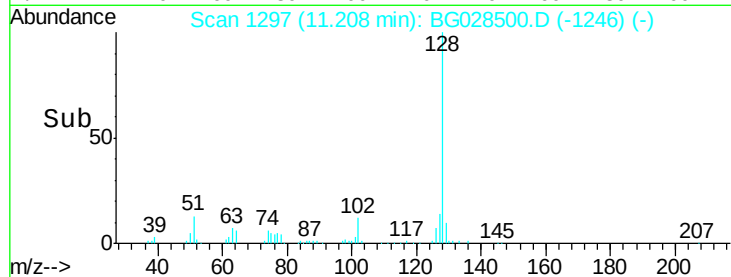
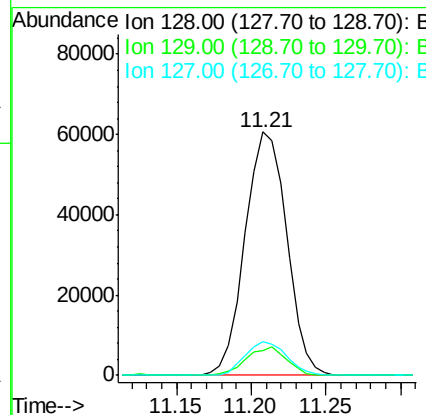
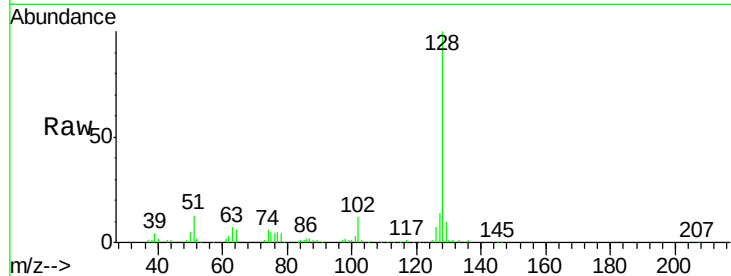
ClientSampleId :

B0AS7

Tgt Ion:	128	Resp:	117243
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.4	14.2
127	13.8	10.3	15.5

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#34

2-Methylnaphthalene

Concen: 22.872 ng/ul

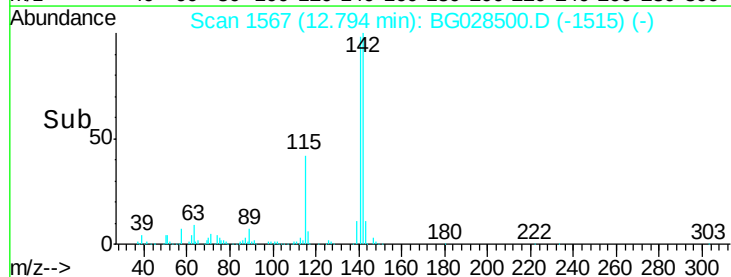
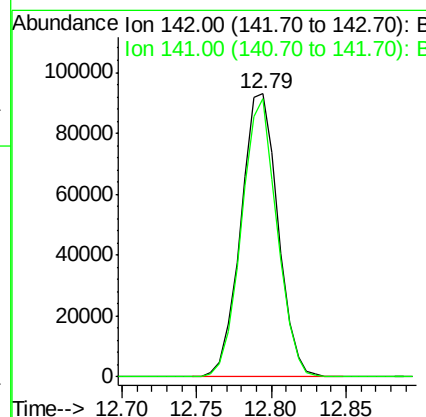
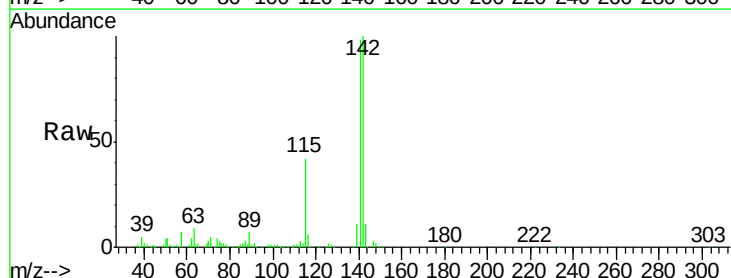
RT: 12.79 min Scan# 1567

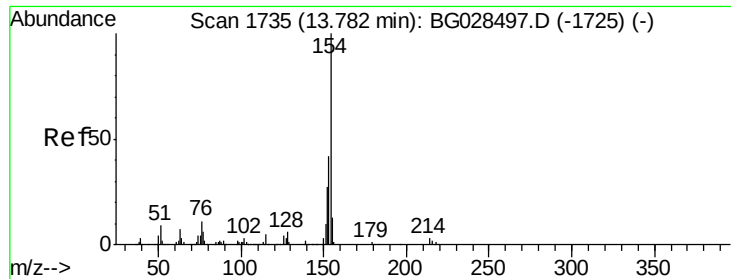
Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Tgt Ion:	142	Resp:	159683
Ion Ratio	Lower	Upper	
142	100		
141	98.4	68.6	102.8





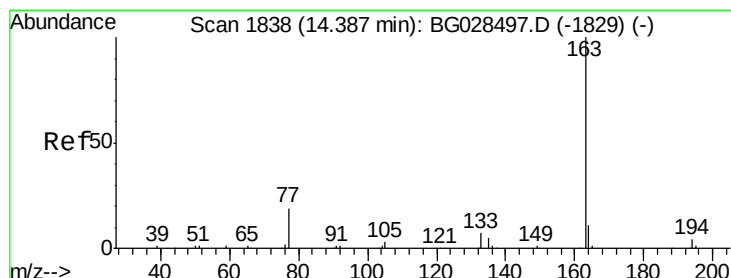
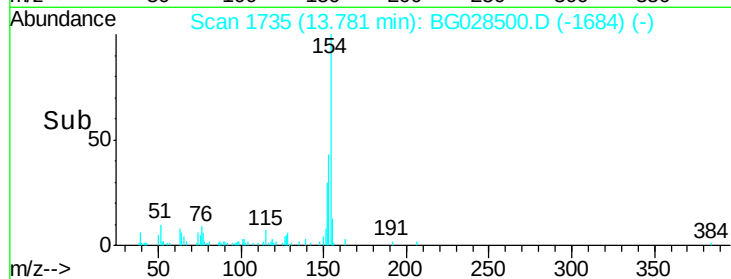
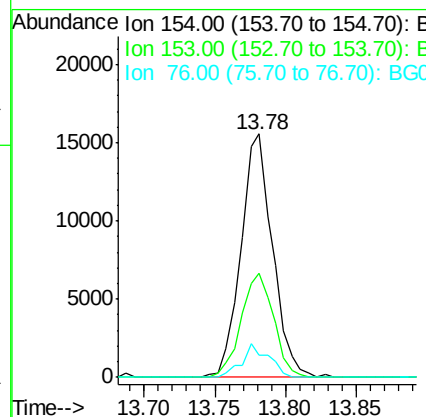
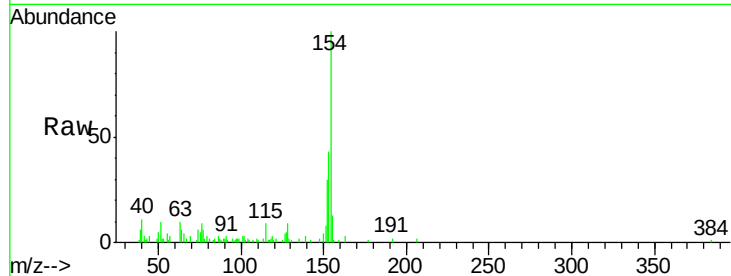
#40
1,1'-Biphenyl
Concen: 2.794 ng/ul
RT: 13.78 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Instrument :
BNA_G
ClientSampleId :
B0AS7

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.2	48.2
76	8.9	9.6	14.4

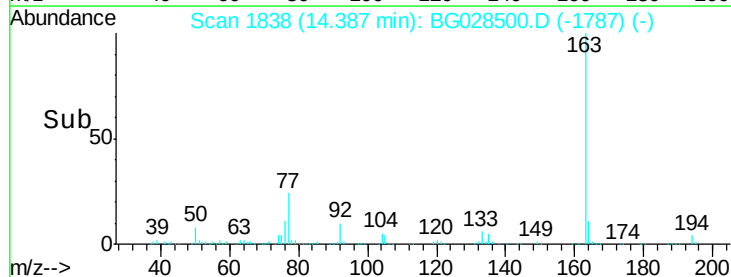
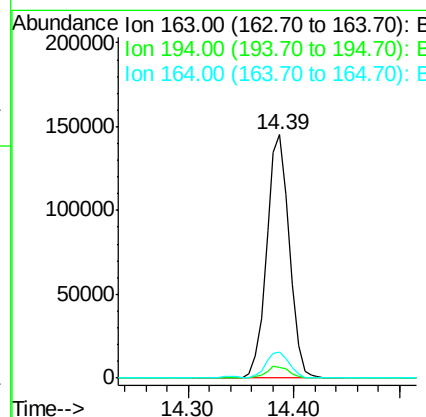
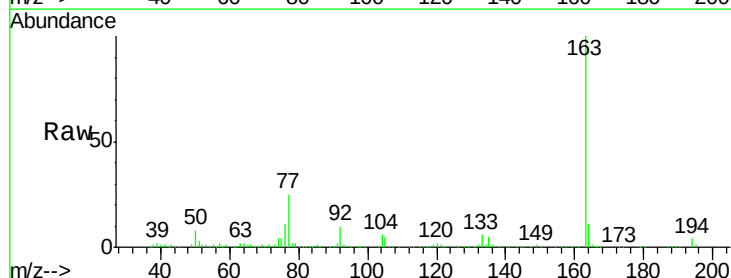
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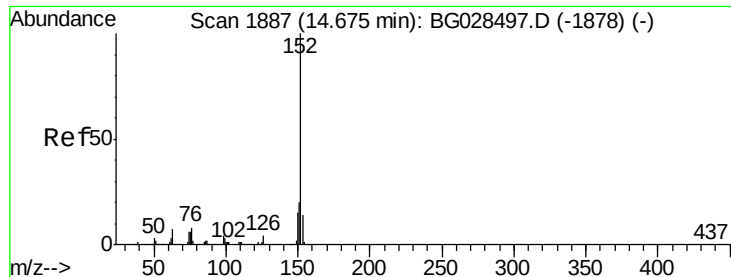
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#44
Dimethylphthalate
Concen: 22.189 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.7	9.0	13.4





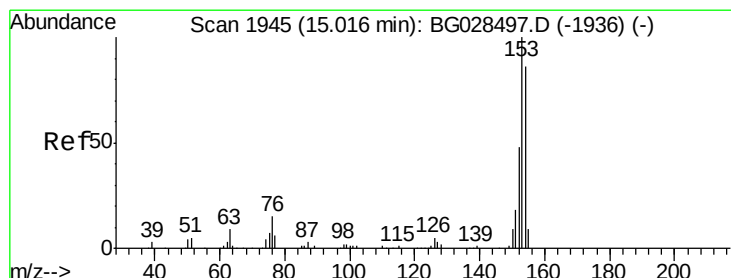
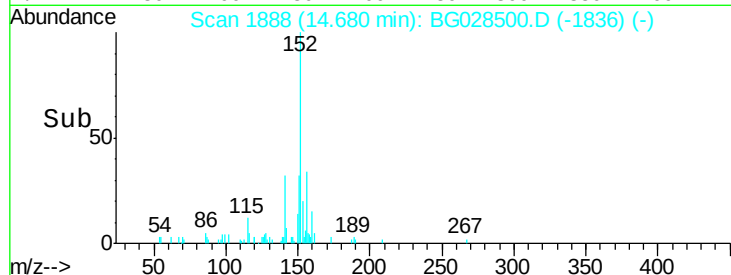
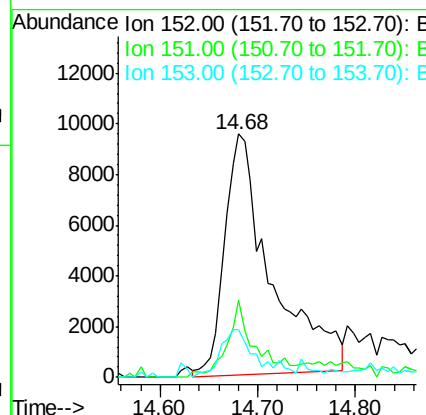
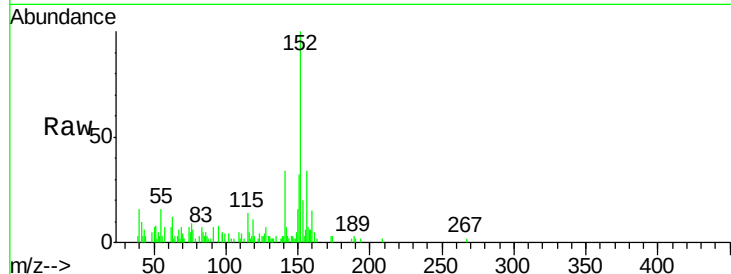
#47
Acenaphthylene
Concen: 2.761 ng/ul
RT: 14.68 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Instrument :
BNA_G
ClientSampleId :
B0AS7

Tgt Ion	Ratio	Lower	Upper
152	100		
151	31.6	16.7	25.1#
153	19.8	11.4	17.2#

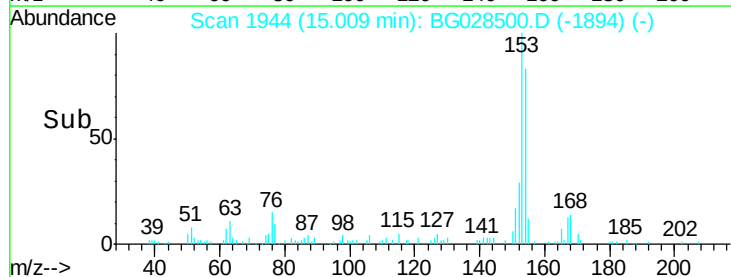
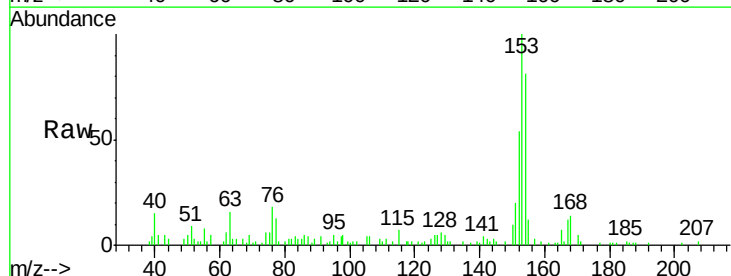
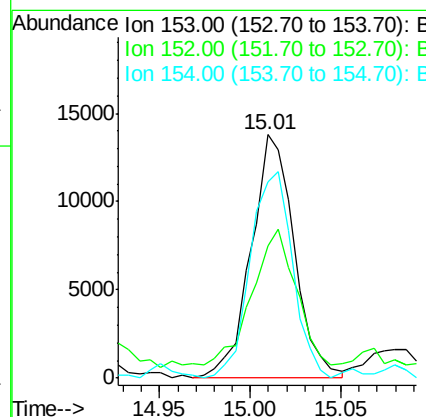
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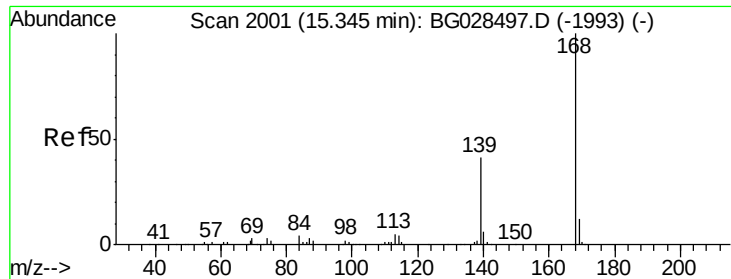
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#49
Acenaphthene
Concen: 2.973 ng/ul
RT: 15.01 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
153	100		
152	54.1	36.5	54.7
154	80.8	72.3	108.5





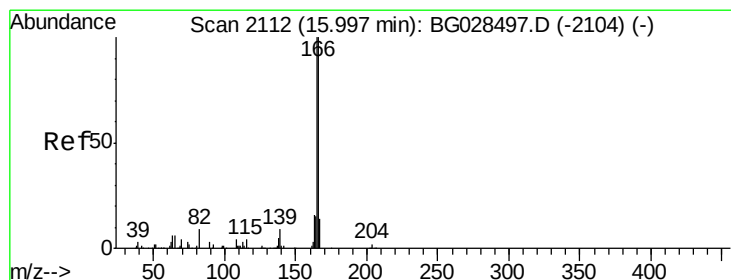
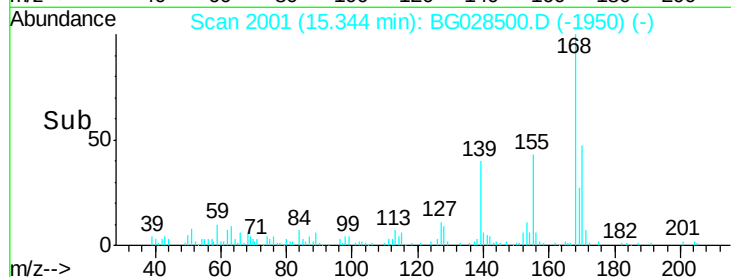
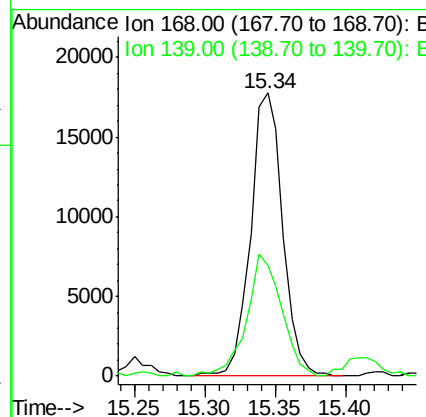
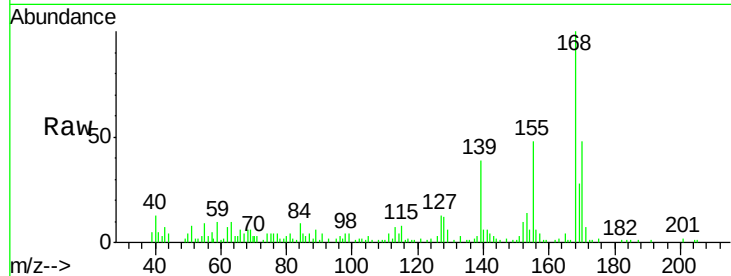
#53
Dibenzenofuran
Concen: 2.529 ng/ul
RT: 15.34 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Instrument :
BNA_G
ClientSampleId :
B0AS7

Tgt Ion:168 Resp: 28387
Ion Ratio Lower Upper
168 100
139 39.2 33.8 50.8

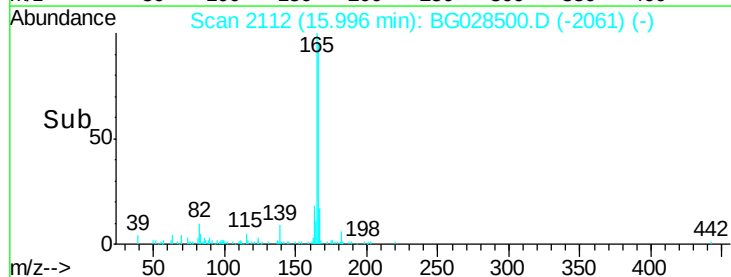
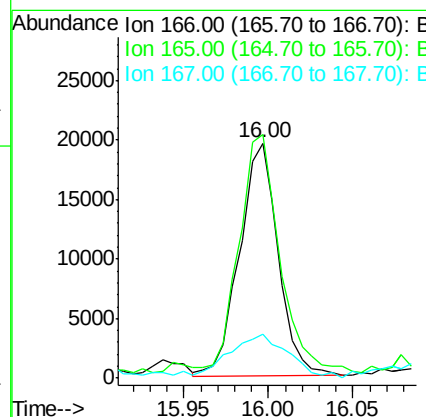
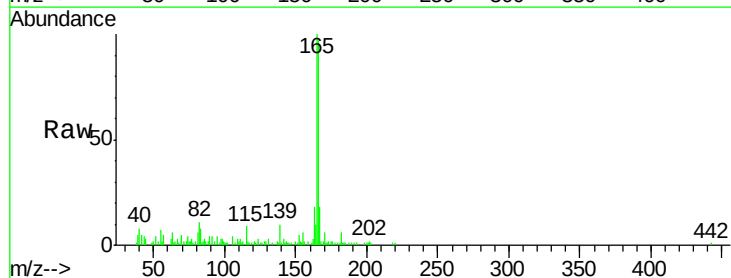
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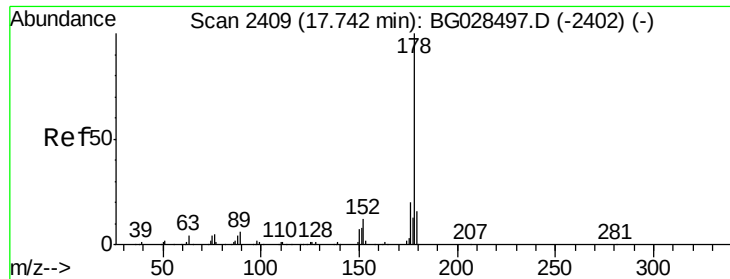
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#58
Fluorene
Concen: 3.135 ng/ul
RT: 16.00 min Scan# 2112
Delta R.T. -0.00 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Tgt Ion:166 Resp: 31152
Ion Ratio Lower Upper
166 100
165 103.6 79.7 119.5
167 18.4 11.4 17.2#





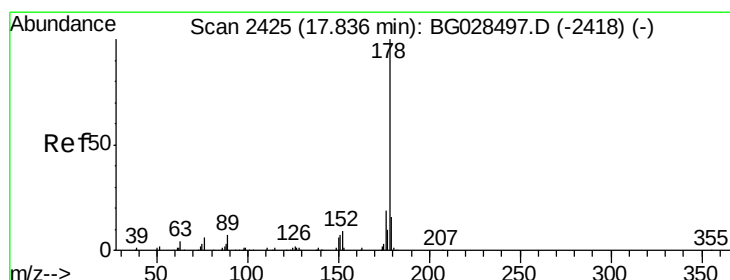
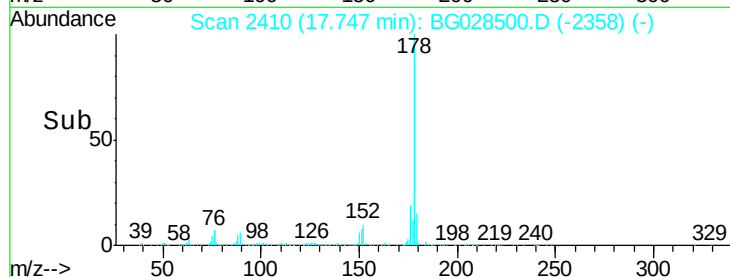
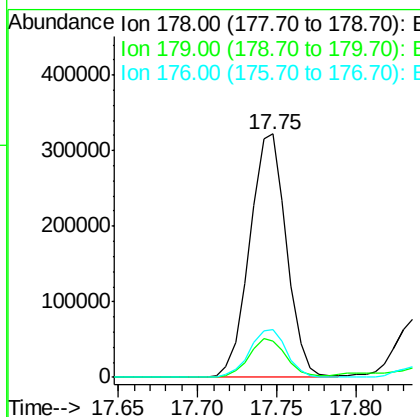
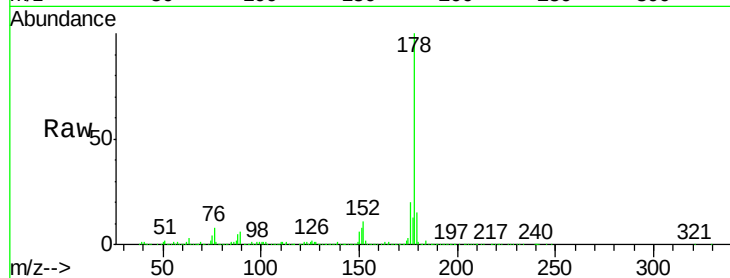
#69
Phenanthrene
Concen: 37.016 ng/ul
RT: 17.75 min Scan# 2410
Delta R.T. 0.01 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Instrument :
BNA_G
ClientSampleId :
B0AS7

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	517460		
179	15.1		12.4	18.6
176	19.6		16.5	24.7

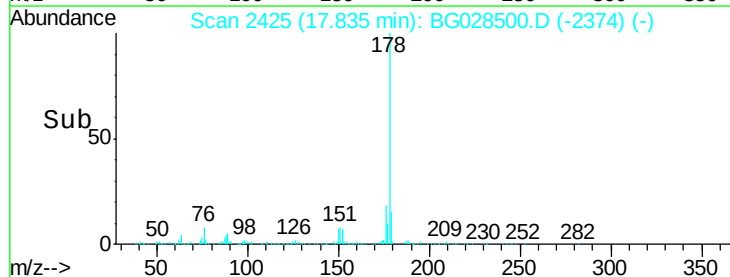
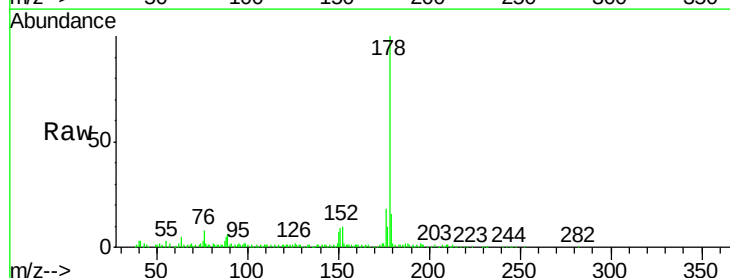
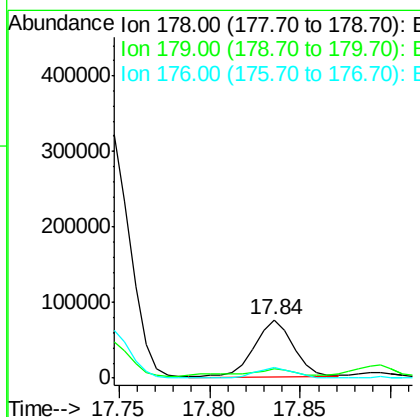
Manual Integrations
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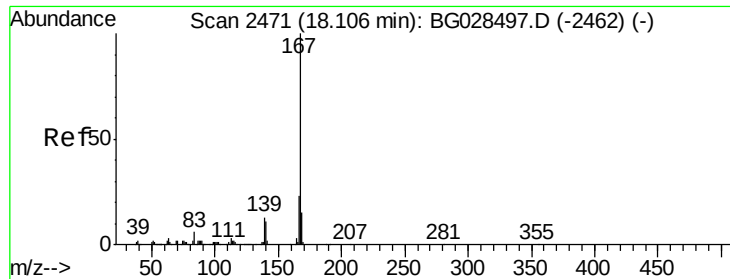
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#71
Anthracene
Concen: 7.999 ng/ul
RT: 17.84 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	114280		
179	15.7		12.6	19.0
176	18.3		15.9	23.9





#72

Carbazole

Concen: 5.082 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

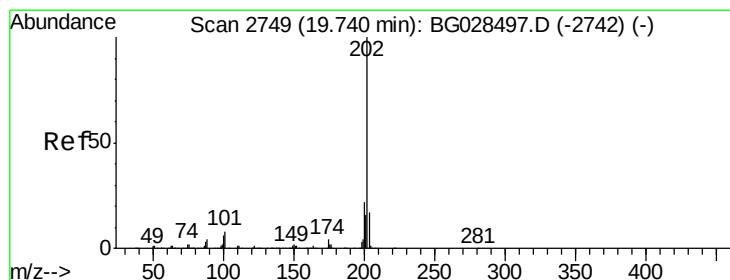
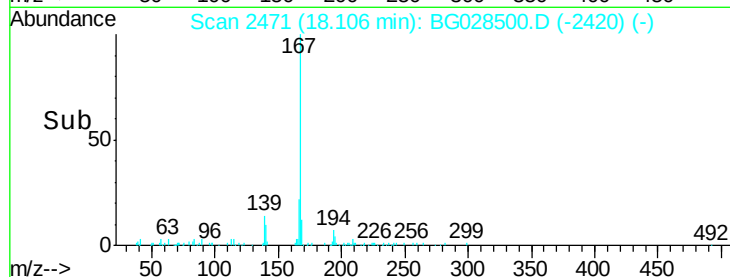
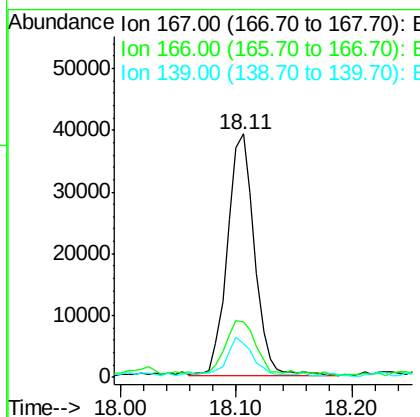
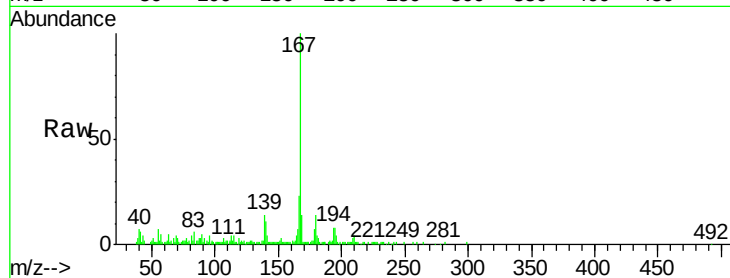
ClientSampled :

B0AS7

Tgt Ion:	167	Resp:	63144
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.9	26.9
139	13.8	10.5	15.7

Manual Integrations
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#74

Fluoranthene

Concen: 73.106 ng/ul

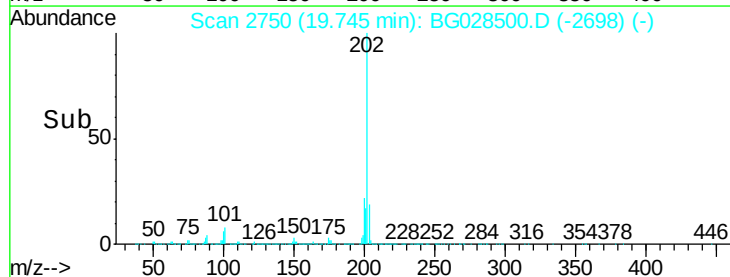
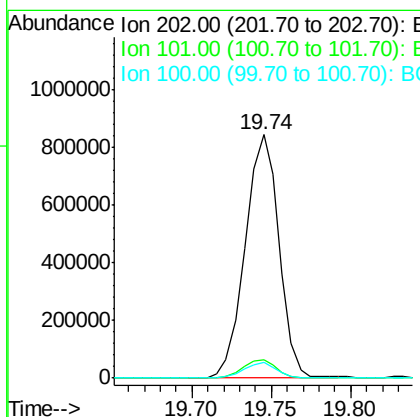
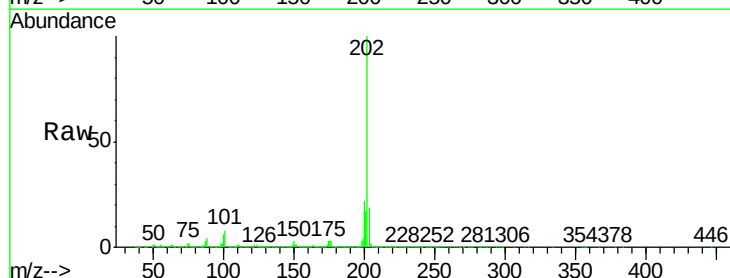
RT: 19.74 min Scan# 2750

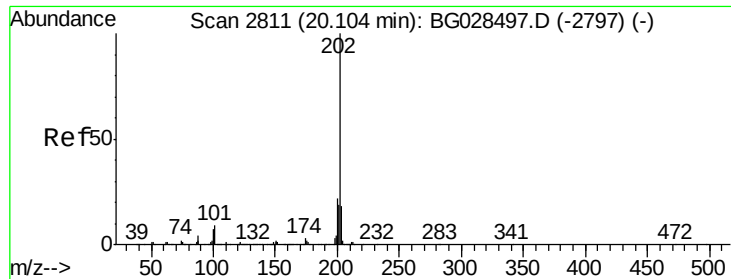
Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Tgt Ion:	202	Resp:	1242008
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.2
100	6.2	5.2	7.8





#77

Pyrene

Concen: 53.803 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

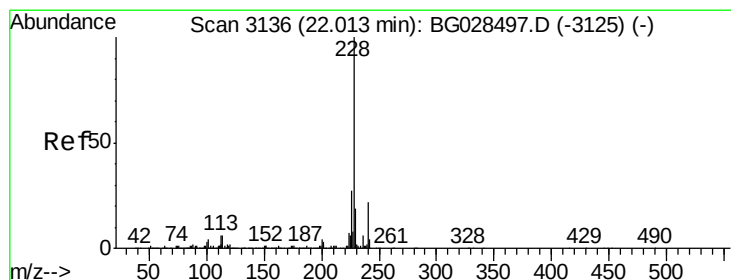
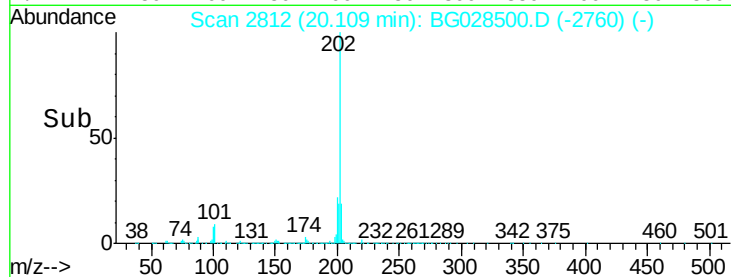
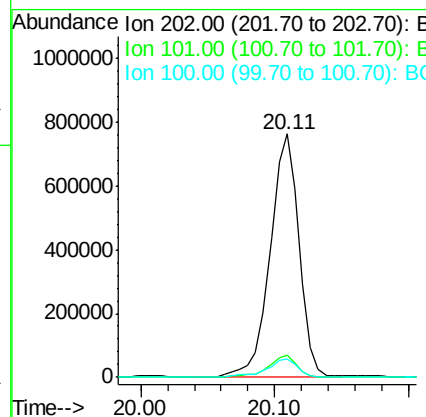
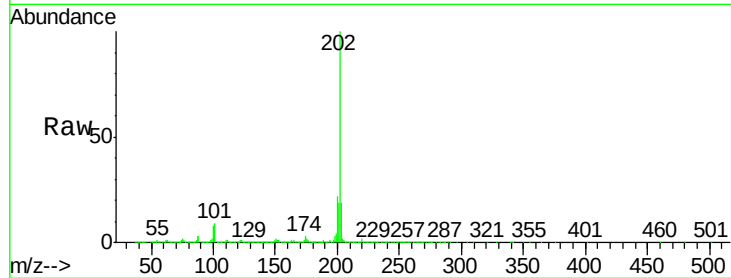
ClientSampled :

B0AS7

Tgt Ion:	202	Resp:	1139599
Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.9	10.3
100	7.6	6.6	10.0

Manual Integrations
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Sohil
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#80

Benzo(a)anthracene

Concen: 42.580 ng/ul

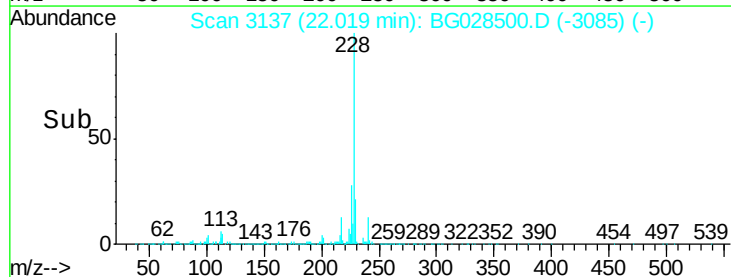
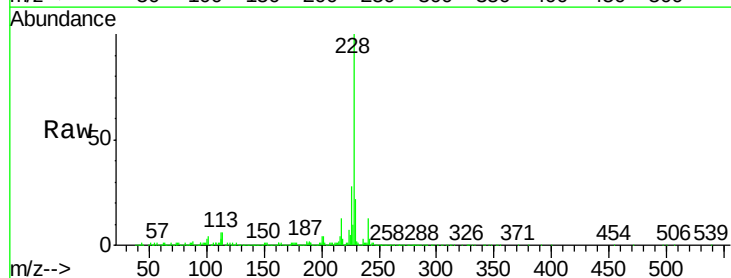
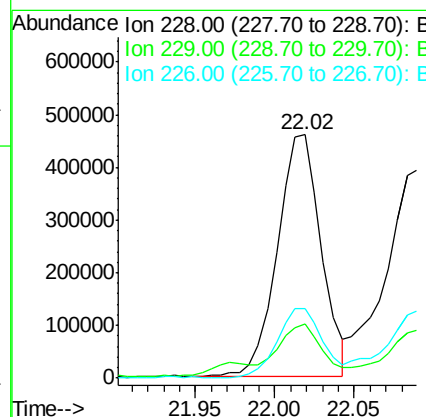
RT: 22.02 min Scan# 3137

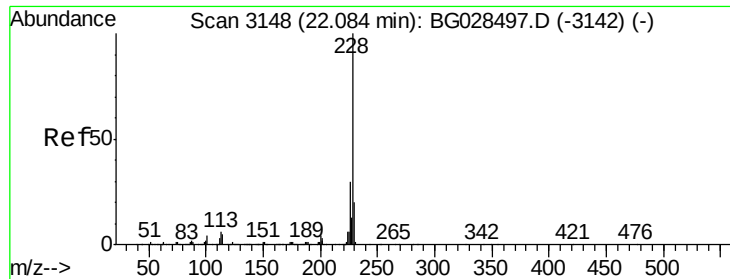
Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Tgt Ion:	228	Resp:	873428
Ion	Ratio	Lower	Upper
228	100		
229	22.2	16.3	24.5
226	28.4	21.9	32.9





#82

Chrysene

Concen: 44.401 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

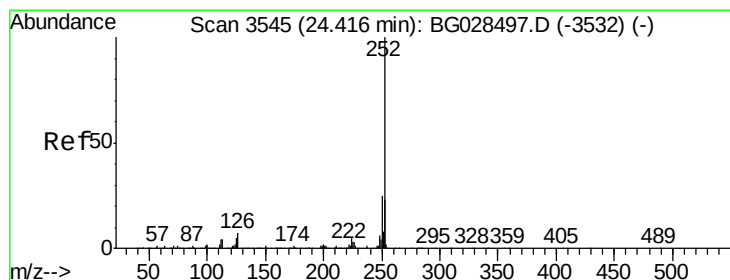
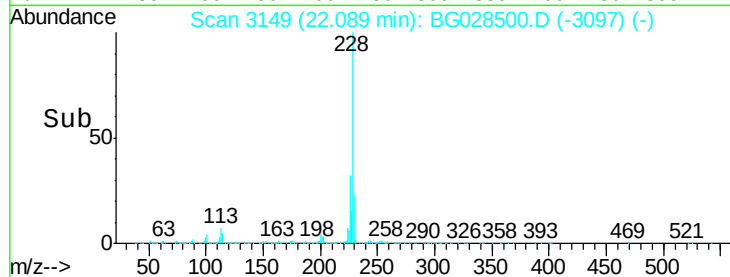
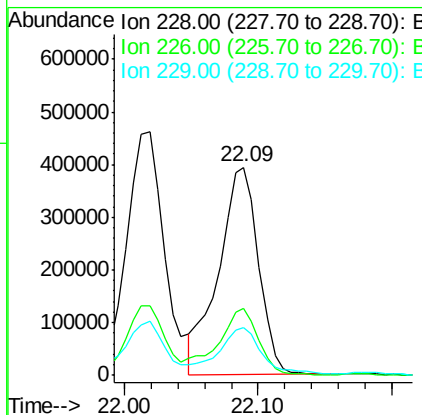
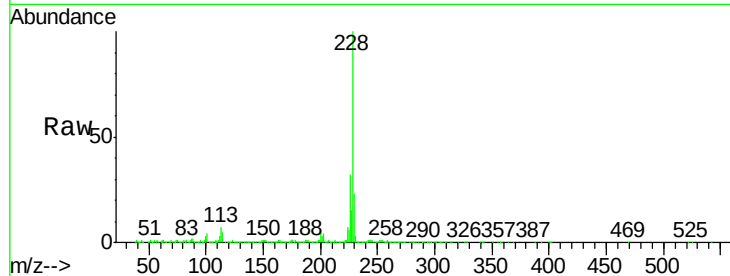
ClientSampleId :

B0AS7

Tgt Ion:	228	Resp:	820268
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.0	36.0
229	23.1	16.9	25.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 57.115 ng/ul m

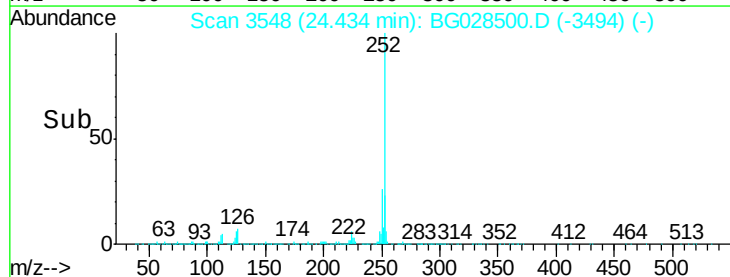
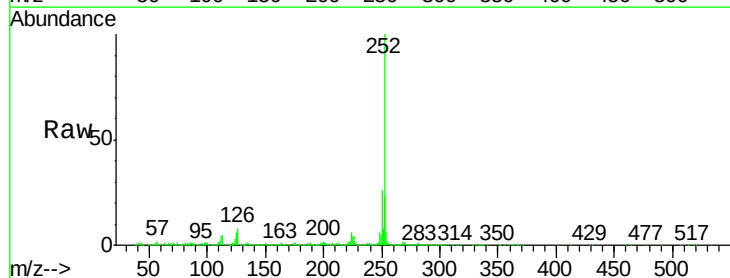
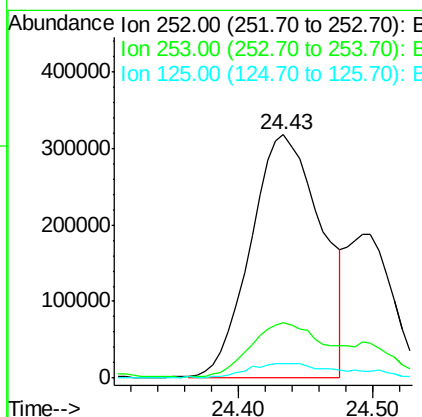
RT: 24.43 min Scan# 3548

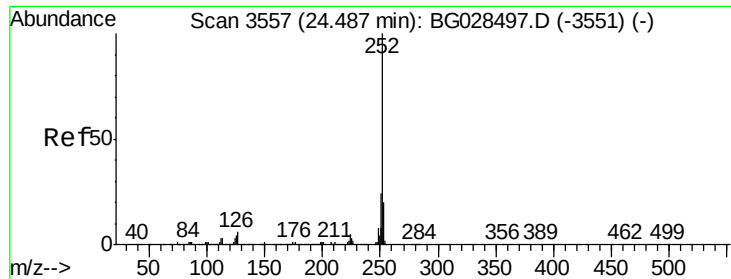
Delta R.T. 0.02 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Tgt Ion:	252	Resp:	1160157
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	6.2	4.0	6.0#





#86

Benzo(k)fluoranthene

Concen: 19.199 ng/ul

RT: 24.49 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Instrument :

BNA_G

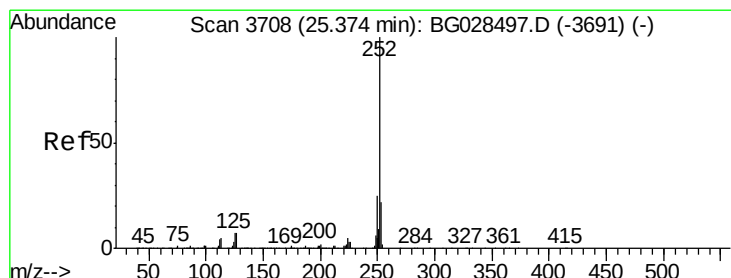
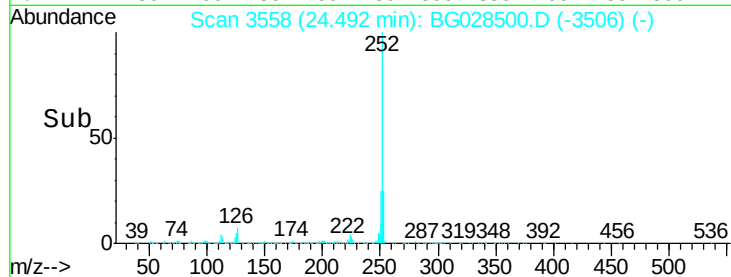
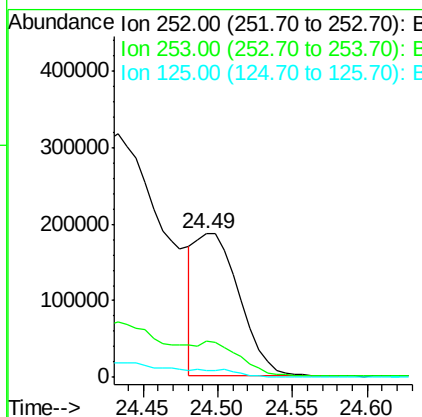
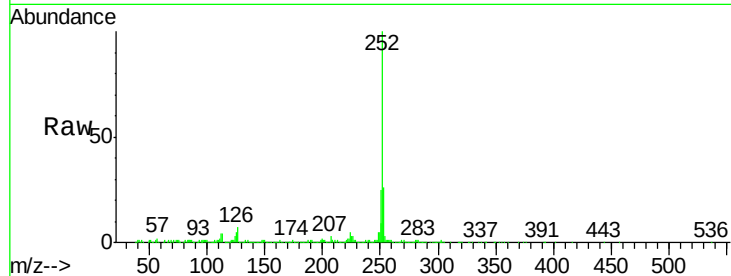
ClientSampleId :

B0AS7

Tgt Ion:	252	Resp:	380928
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.5	27.7
125	5.1	4.1	6.1

Manual Integrations
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#88

Benzo(a)pyrene

Concen: 45.366 ng/ul

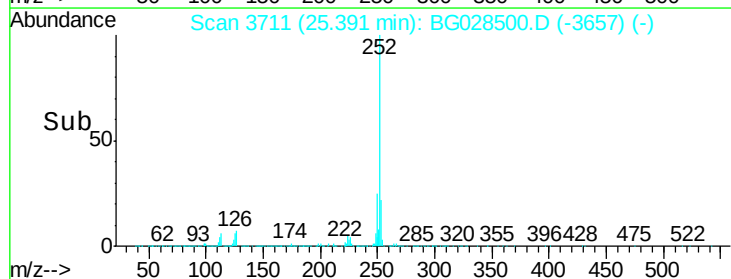
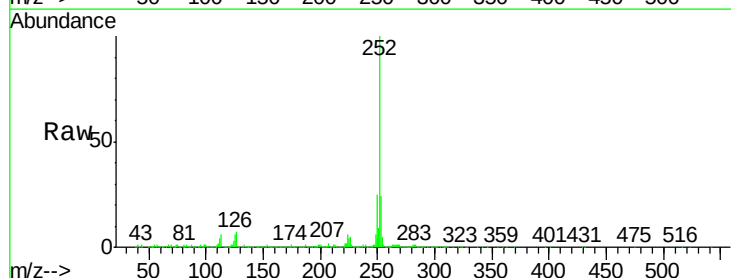
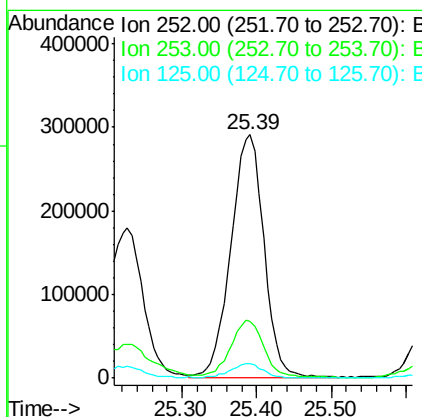
RT: 25.39 min Scan# 3711

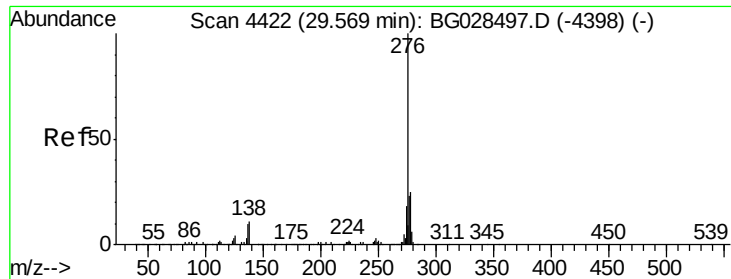
Delta R.T. 0.02 min

Lab File: BG028500.D

Acq: 25 Aug 2017 21:01

Tgt Ion:	252	Resp:	892222
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	6.1	5.4	8.0





#89

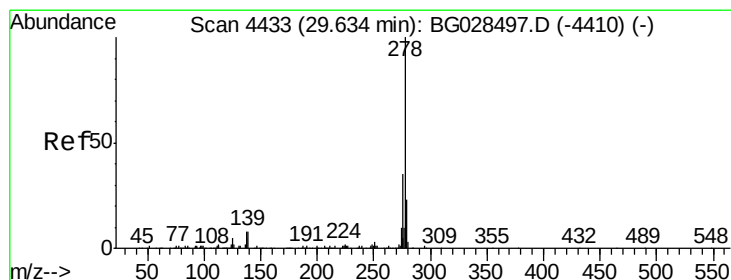
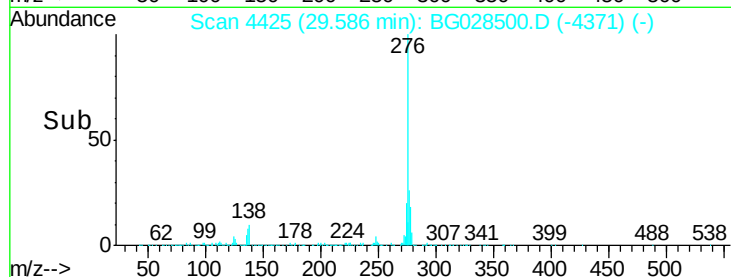
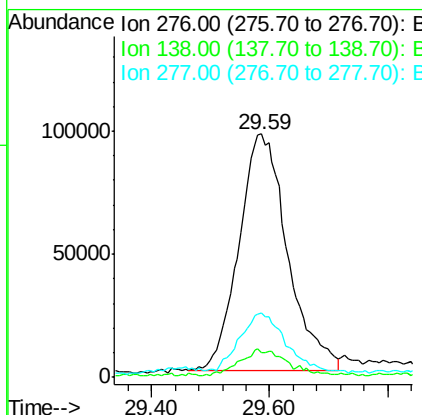
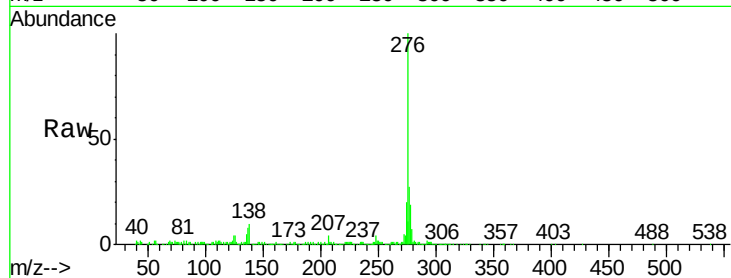
Indeno(1,2,3-cd)pyrene
Concen: 23.923 ng/ul
RT: 29.59 min Scan# 4425
Delta R.T. 0.02 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Instrument :
BNA_G
ClientSampleId :
B0AS7

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.2	8.2	12.4
277	26.6	18.6	28.0

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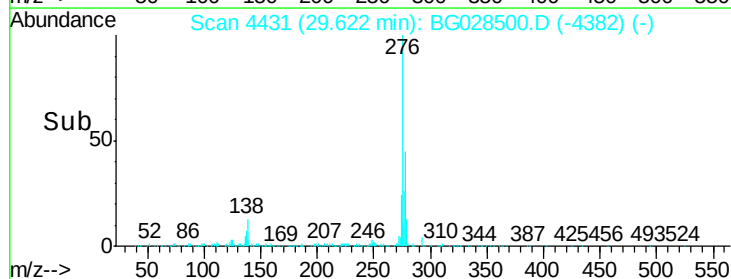
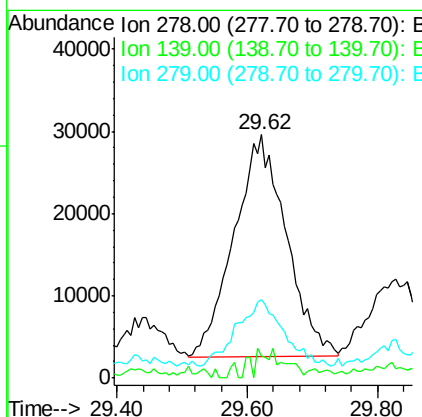
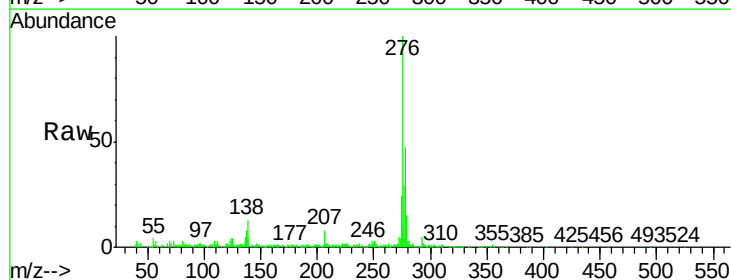
Sohil
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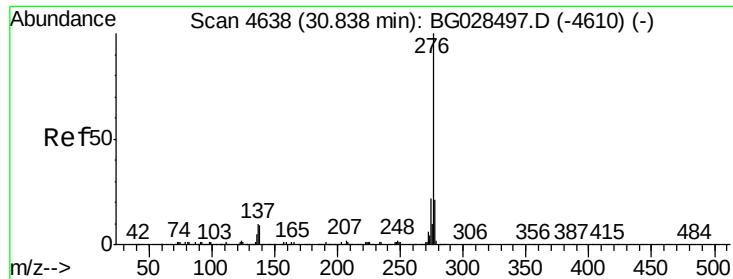


#90

Dibenzo(a,h)anthracene
Concen: 7.742 ng/ul
RT: 29.62 min Scan# 4431
Delta R.T. -0.01 min
Lab File: BG028500.D
Acq: 25 Aug 2017 21:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	9.3	6.7	10.1
279	32.3	20.9	31.3#





#91
 Benzo(g,h,i)perylene
 Concen: 22.002 ng/ul
 RT: 30.86 min Scan# 4641
 Delta R.T. 0.02 min
 Lab File: BG028500.D
 Acq: 25 Aug 2017 21:01

Instrument :
 BNA_G
 ClientSampleId :
 B0AS7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	8.6	12.8
277	23.4	17.6	26.4

Manual Integrations
 APPROVED

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 8/28/2017 3:16:50 PM

