

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8E2

Manual Integrations
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 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:49:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	76095	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	370521	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	303736	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	634518	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	773006	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	788430	20.00	ng/ul	0.00

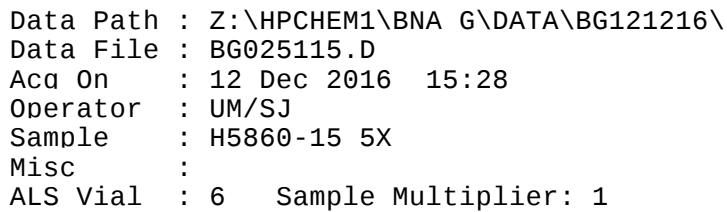
System Monitoring Compounds

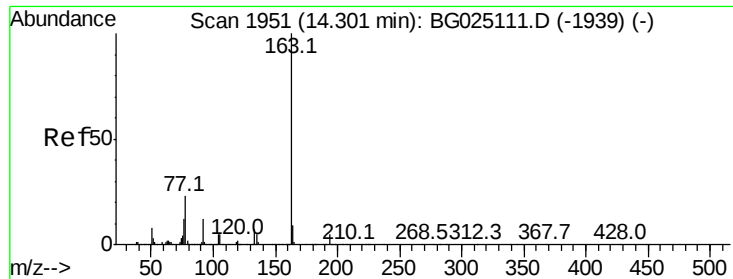
3) 1,4-Dioxane-d8	3.60	96	1003	0.68	ng/uL	0.00
5) Phenol-d5	7.39	99	28471	4.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	20155	4.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	23008	5.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	27099	4.94	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	11589	4.42	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	12165	3.72	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.69	165	27115	4.31	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	15210	2.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	100803	4.82	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	109247	4.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	10255m	2.86	ng/ul	0.02
57) Fluorene-d10	15.85	176	93702	4.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	11085	2.83	ng/ul	0.01
70) Anthracene-d10	17.70	188	137113	5.12	ng/ul	0.00
76) Pyrene-d10	19.98	212	171177	5.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	167910	5.26	ng/ul	0.00

Target Compounds

						Ovalue
44) Dimethylphthalate	14.30	163	24010	1.17	ng/ul#	95
49) Acenaphthene	14.93	153	26640	1.75	ng/ul	87
53) Dibenzofuran	15.26	168	24185	1.00	ng/ul	92
58) Fluorene	15.90	166	32479	1.65	ng/ul	90
69) Phenanthrene	17.65	178	1179341	38.94	ng/ul	100
71) Anthracene	17.74	178	68791	2.21	ng/ul	99
72) Carbazole	18.01	167	155870	6.00	ng/ul	95
74) Fluoranthene	19.65	202	2391747	66.46	ng/ul	99
77) Pvrene	20.01	202	1989879	53.55	ng/ul	98
80) Benzo(a)anthracene	21.88	228	725476	18.06	ng/ul	97
82) Chrysene	21.95	228	1126215	29.98	ng/ul	97
85) Benzo(b)fluoranthene	24.23	252	1303062	33.33	ng/ul	99
86) Benzo(k)fluoranthene	24.29	252	438791	11.81	ng/ul	98
88) Benzo(a)pyrene	25.16	252	721826	19.20	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.26	276	716359m	15.33	ng/ul	
90) Dibenzo(a,h)anthracene	29.30	278	177085m	4.50	ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	604399m	15.50	ng/ul	

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





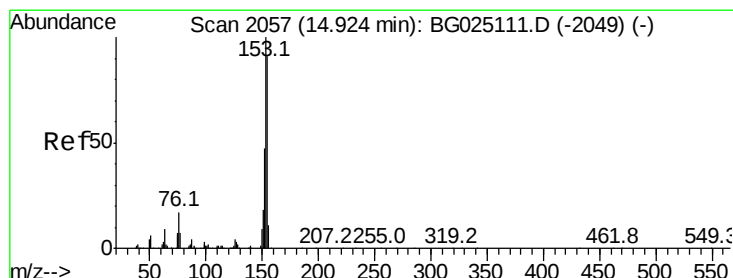
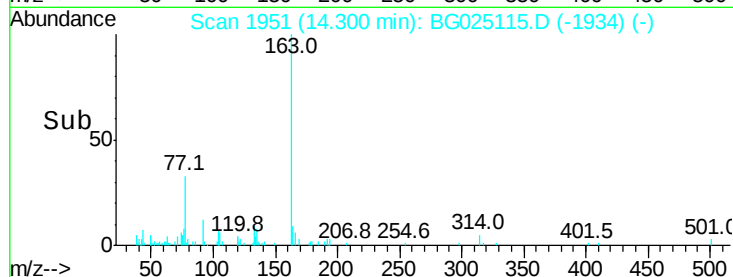
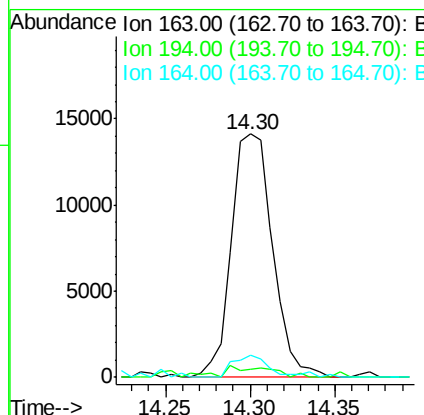
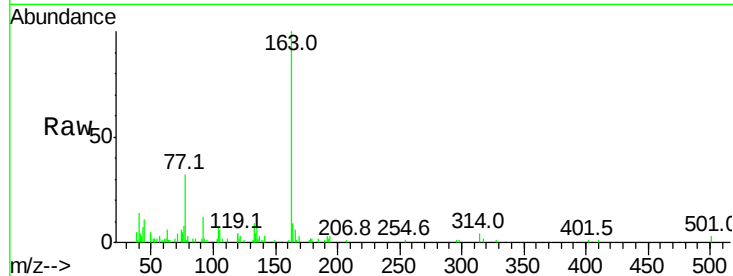
#44
Dimethylphthalate
Concen: 1.17 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Instrument :
BNA_G
ClientSampleId :
DA8E2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	24010		
194	3.3		3.4	5.0#
164	9.0		9.0	13.4#

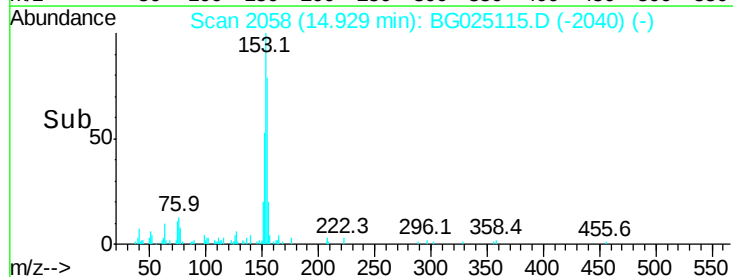
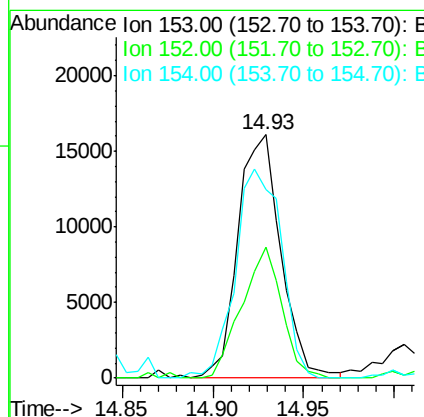
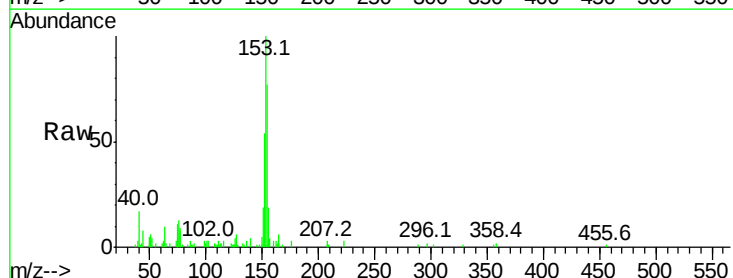
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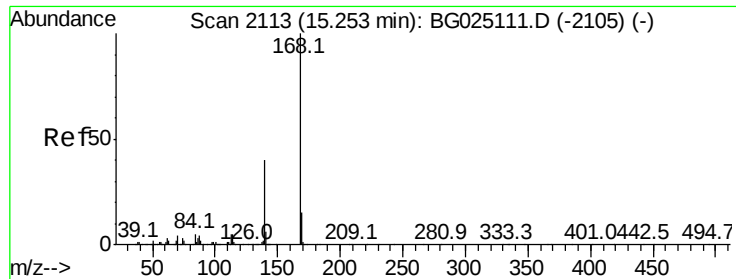
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#49
Acenaphthene
Concen: 1.75 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	26640		
152	53.9		36.5	54.7
154	77.2		72.3	108.5





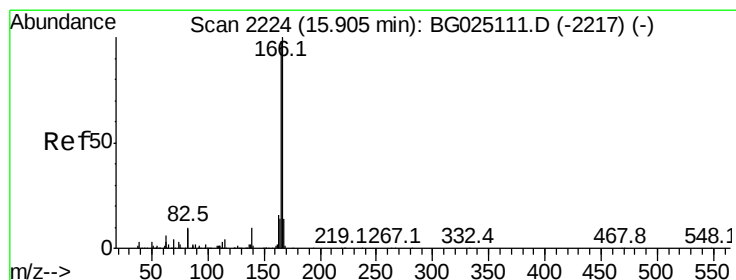
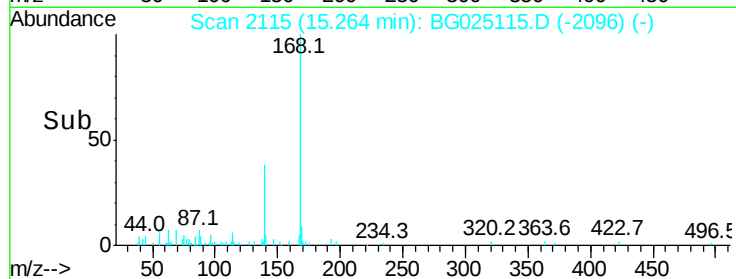
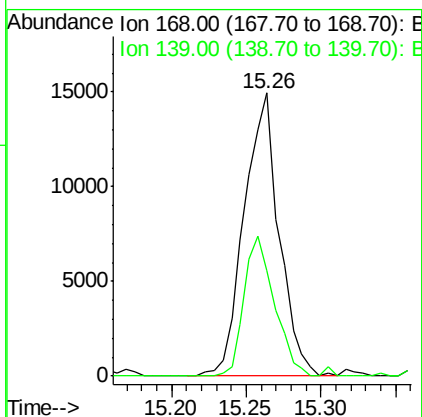
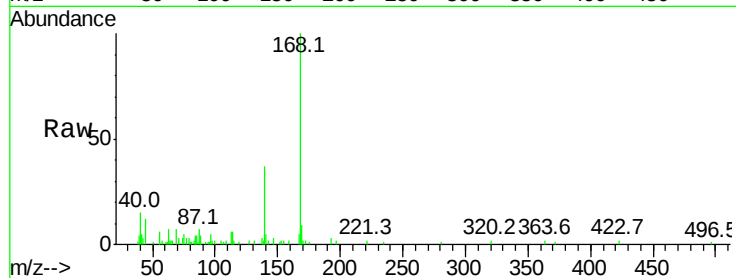
#53
Dibenzenofuran
Concen: 1.00 ng/ul
RT: 15.26 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Instrument :
BNA_G
ClientSampleId :
DA8E2

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	33.8	50.8

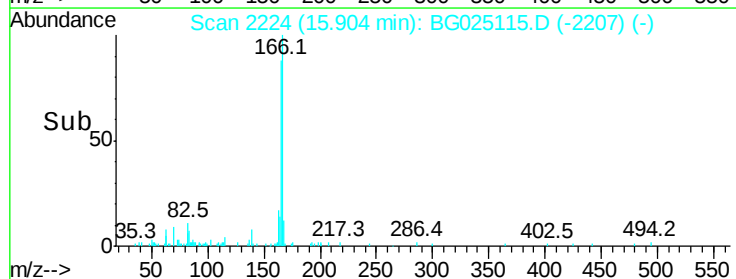
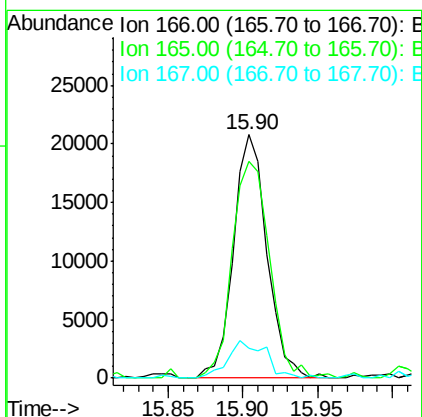
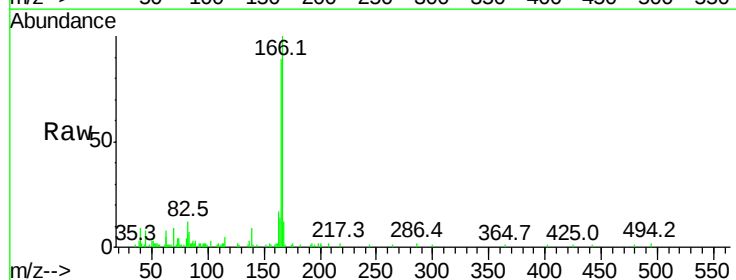
Manual Integrations
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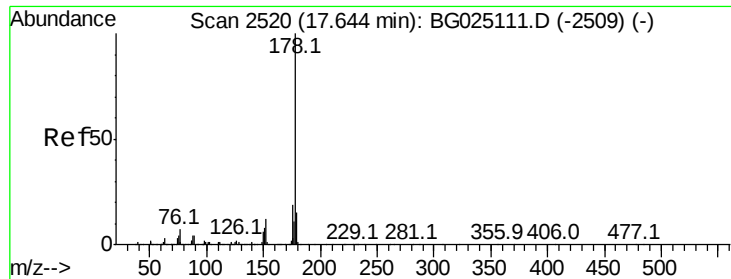
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#58
Fluorene
Concen: 1.65 ng/ul
RT: 15.90 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.1	79.7	119.5
167	12.4	11.4	17.2





#69

Phenanthrene

Concen: 38.94 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

Instrument :

BNA_G

ClientSampled :

DA8E2

Tot Ion:178 Resp: 1179341

Ion Ratio Lower Upper

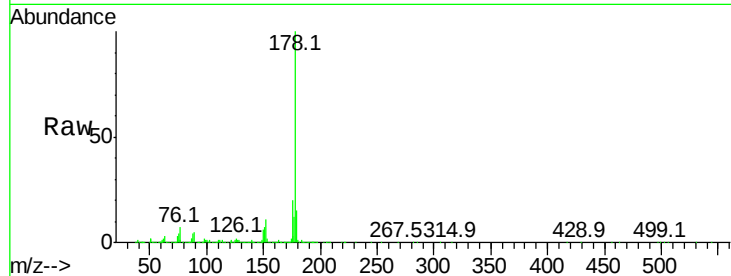
178 100

179 15.3 12.4 18.6

176 20.4 16.5 24.7

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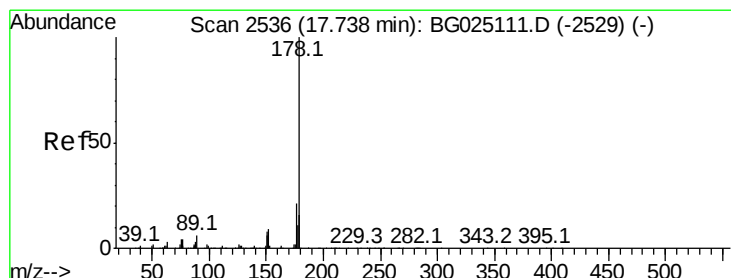
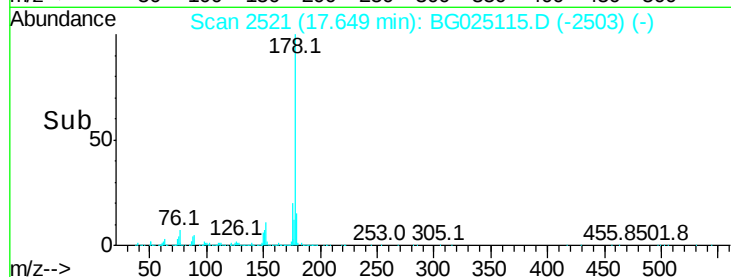
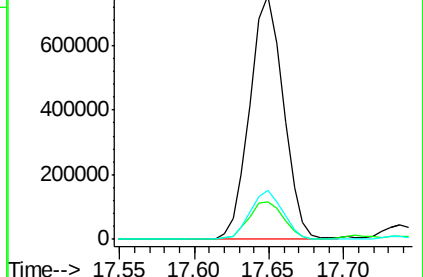
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 2.21 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

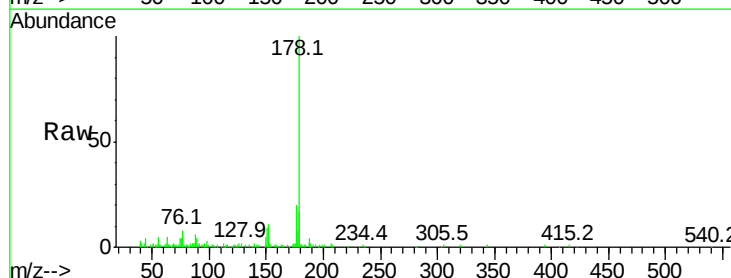
Tgt Ion:178 Resp: 68791

Ion Ratio Lower Upper

178 100

179 16.9 12.6 19.0

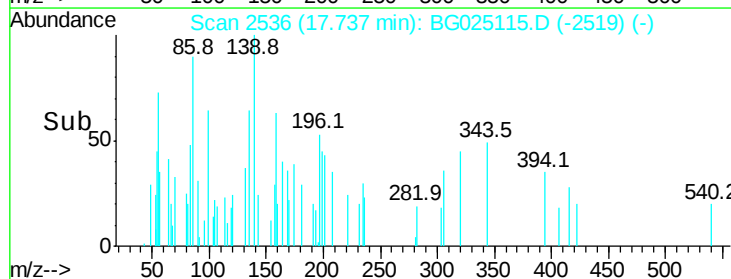
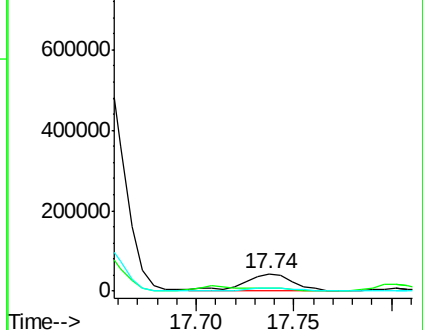
176 20.2 15.9 23.9

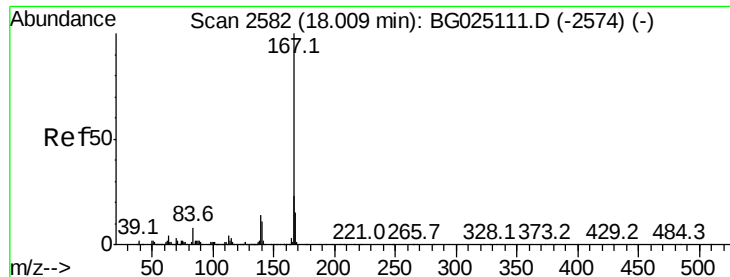


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 6.00 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. -0.00 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

Instrument :

BNA_G

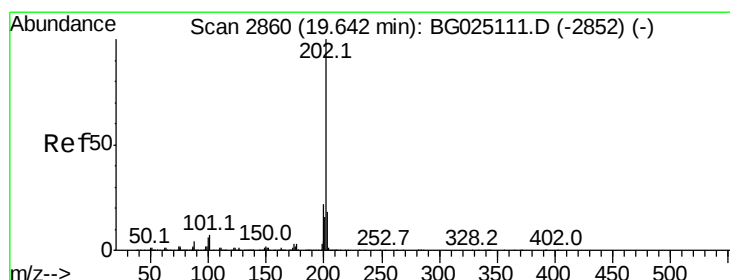
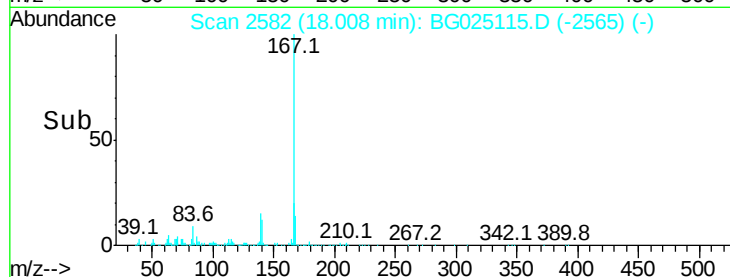
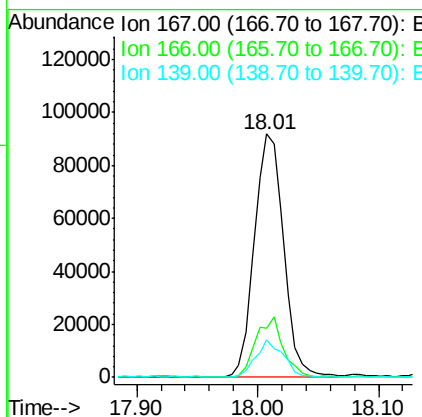
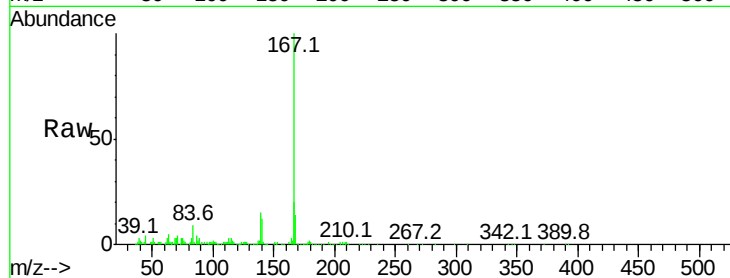
ClientSampleId :

DA8E2

Tot Ion:	167	Resp:	155870
Ion Ratio		Lower	Upper
167	100		
166	20.1	17.9	26.9
139	15.3	10.5	15.7

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#74

Fluoranthene

Concen: 66.46 ng/ul

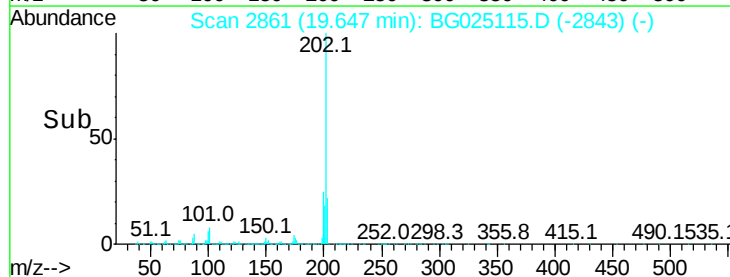
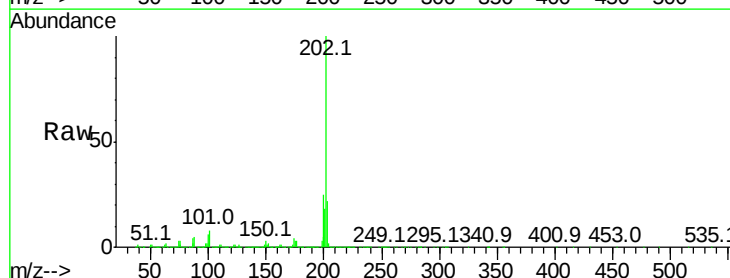
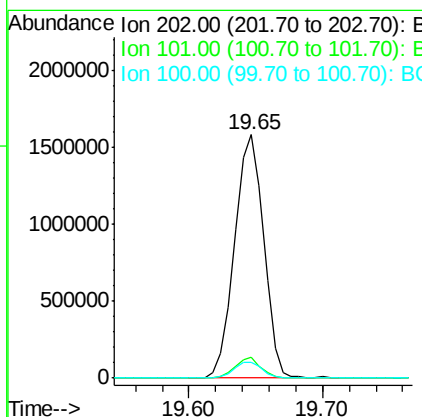
RT: 19.65 min Scan# 2861

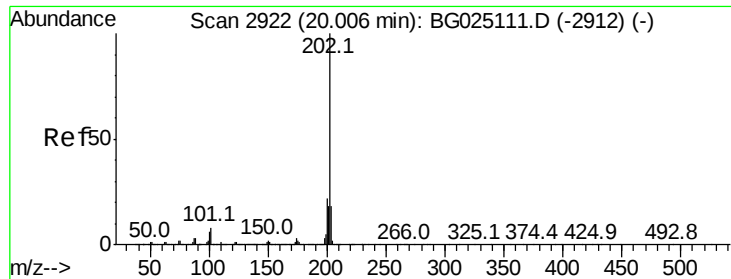
Delta R.T. 0.00 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

Tgt Ion:	202	Resp:	2391747
Ion Ratio		Lower	Upper
202	100		
101	8.5	6.2	9.2
100	6.4	5.2	7.8





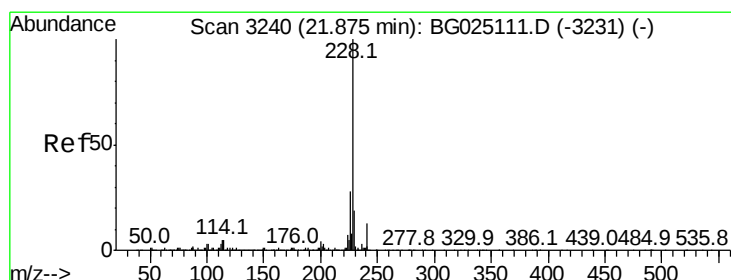
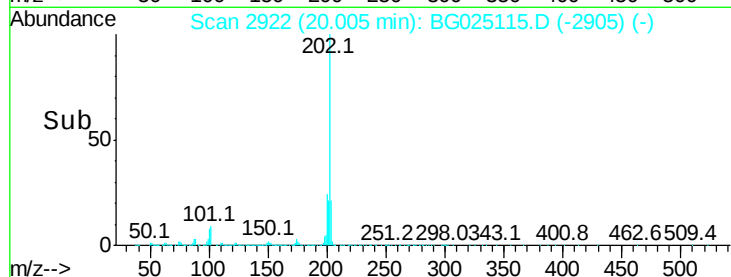
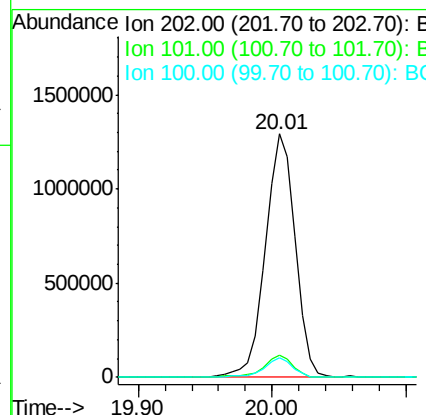
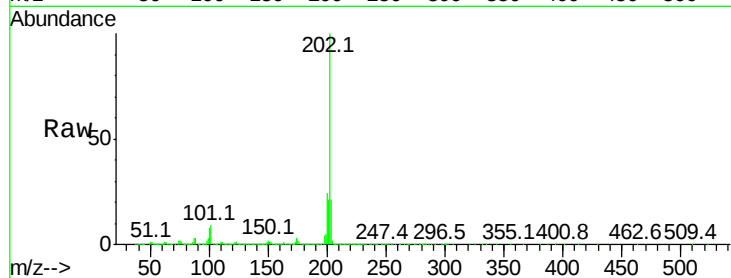
#77
 Pvrene
 Concen: 53.55 ng/ul
 RT: 20.01 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: BG025115.D
 Acq: 12 Dec 2016 15:28

Instrument :
 BNA_G
 ClientSampleId :
 DA8E2

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	6.9	10.3
100	7.8	6.6	10.0

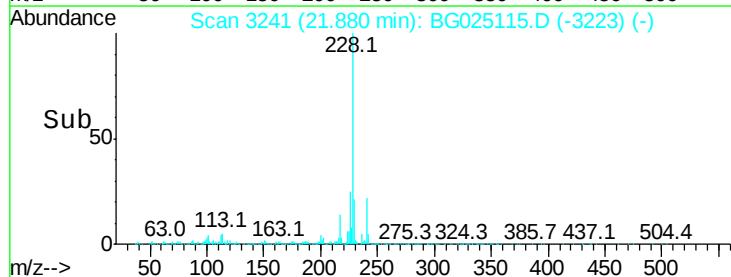
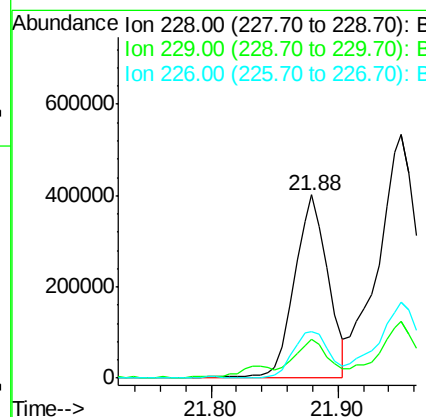
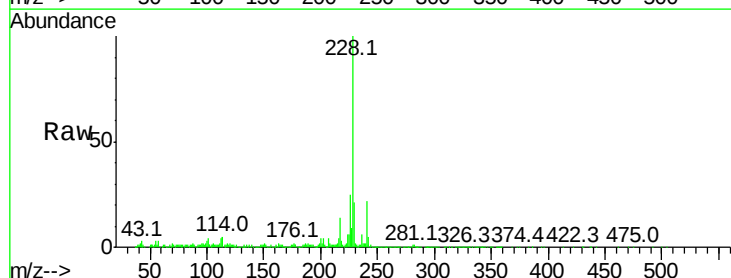
Manual Integrations
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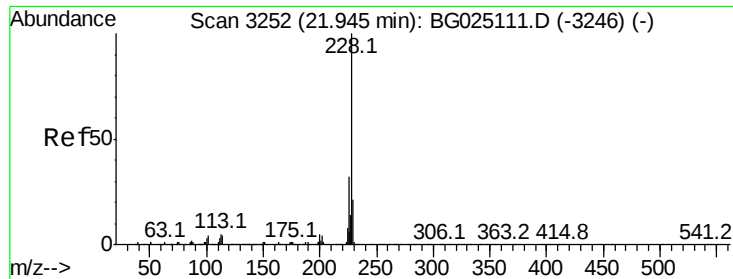
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#80
 Benzo(a)anthracene
 Concen: 18.06 ng/ul
 RT: 21.88 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: BG025115.D
 Acq: 12 Dec 2016 15:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.3	24.5
226	25.4	21.9	32.9





#82

Chrysene

Concen: 29.98 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

Instrument :

BNA_G

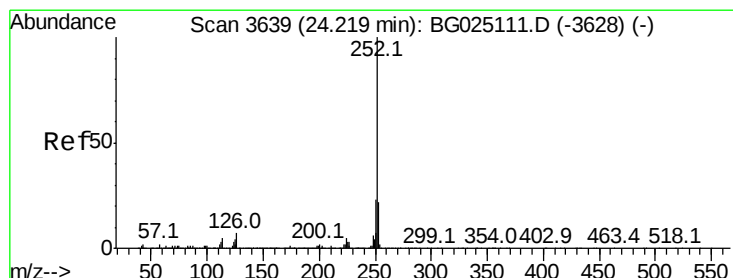
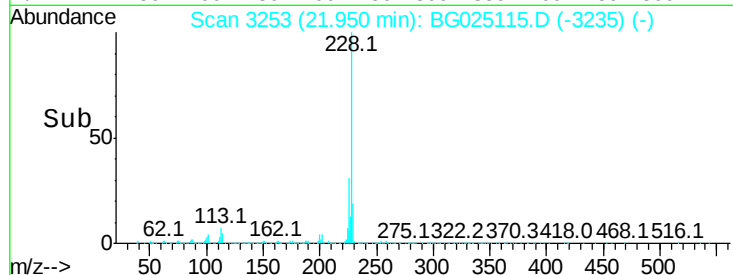
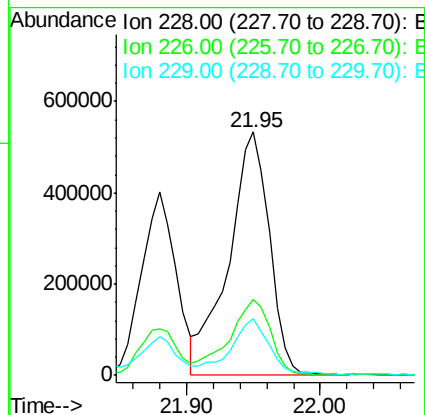
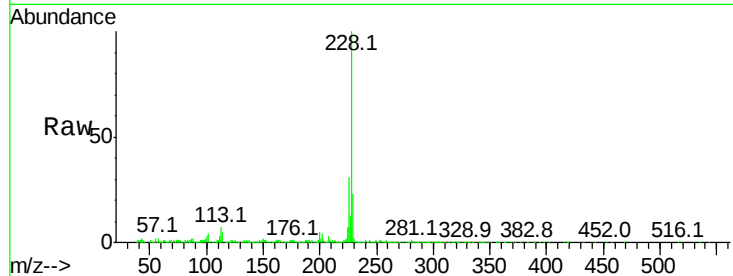
ClientSampled :

DA8E2

Tot Ion:	228	Resp:	1126215
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.0	36.0
229	23.3	16.9	25.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 33.33 ng/ul

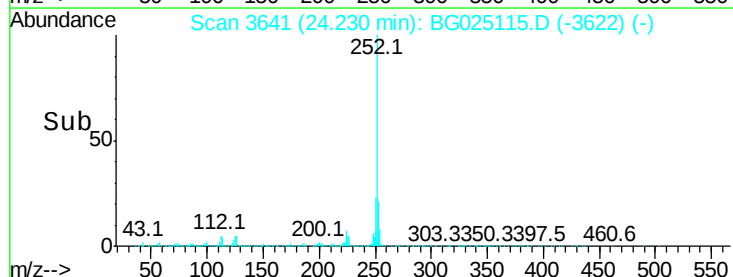
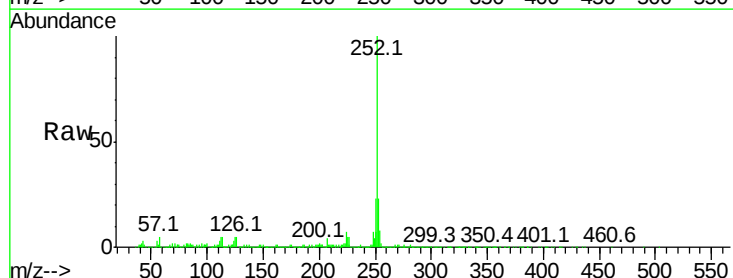
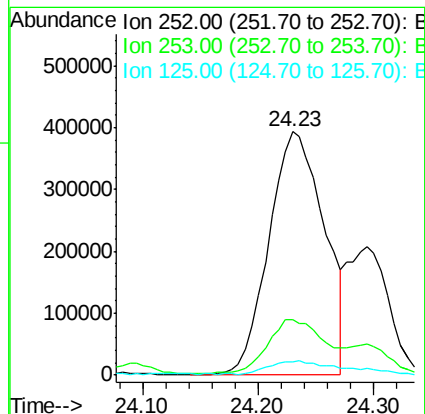
RT: 24.23 min Scan# 3641

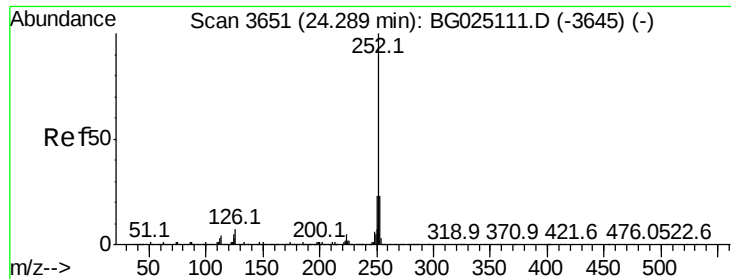
Delta R.T. 0.01 min

Lab File: BG025115.D

Acq: 12 Dec 2016 15:28

Tgt Ion:	252	Resp:	1303062
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	5.4	4.0	6.0





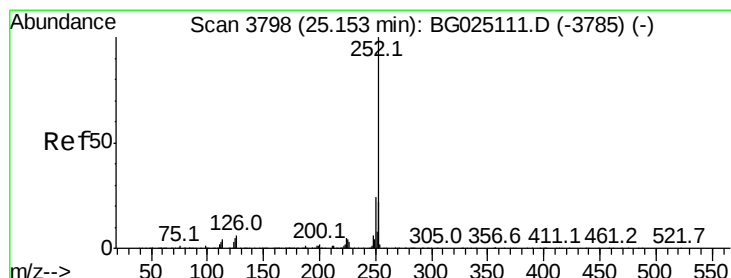
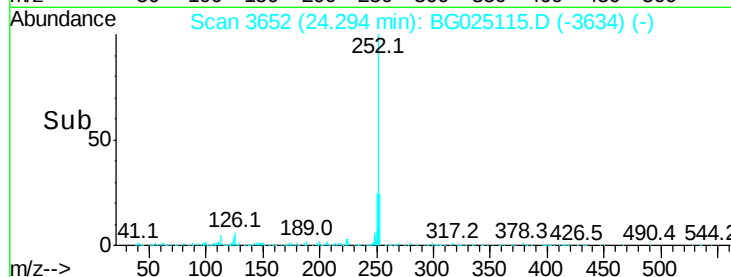
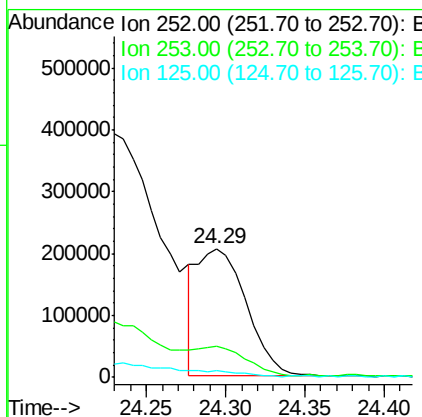
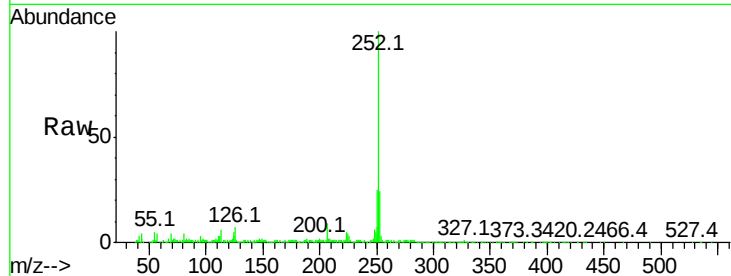
#86
Benzo(k)fluoranthene
Concen: 11.81 ng/ul
RT: 24.29 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Instrument :
BNA_G
ClientSampled :
DA8E2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	5.1	4.1	6.1

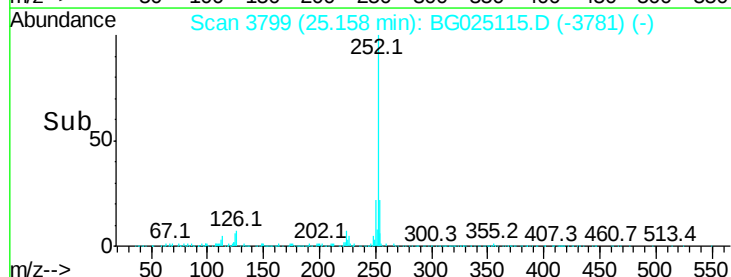
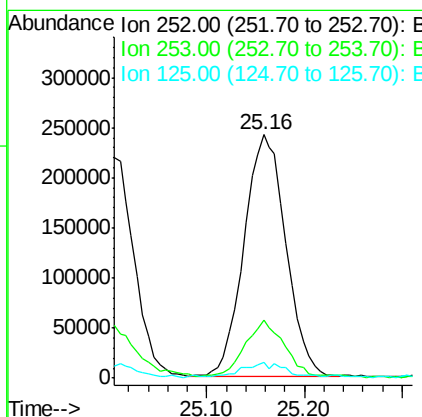
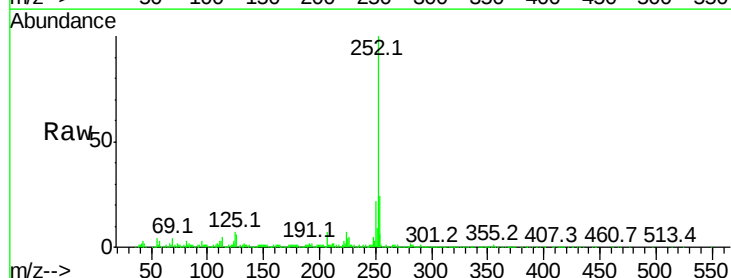
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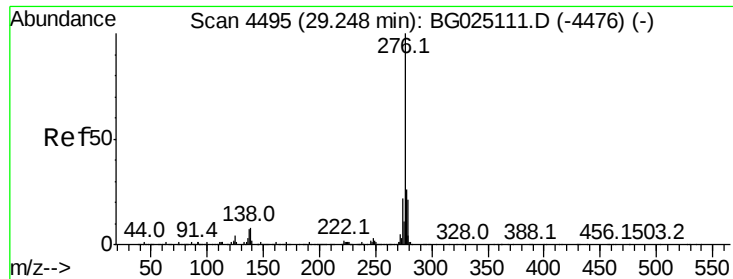
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#88
Benzo(a)pyrene
Concen: 19.20 ng/ul
RT: 25.16 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BG025115.D
Acq: 12 Dec 2016 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	6.7	5.4	8.0





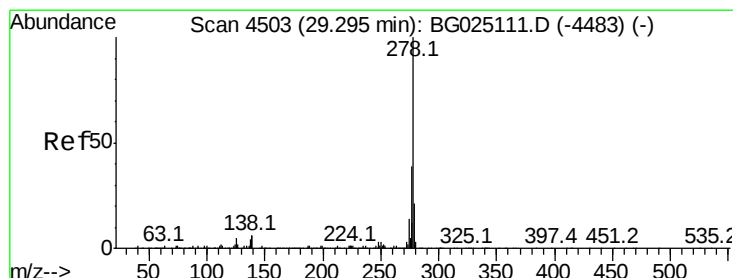
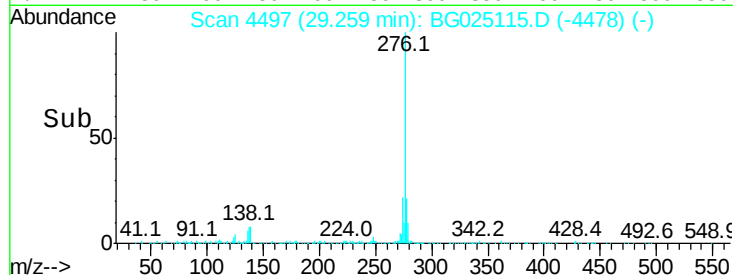
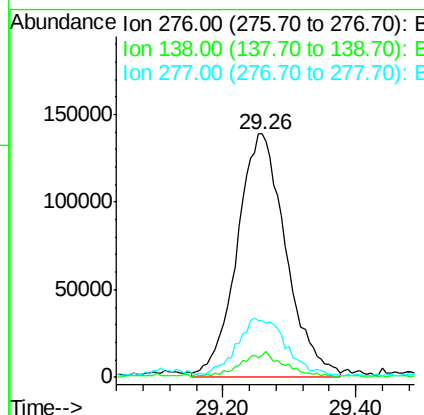
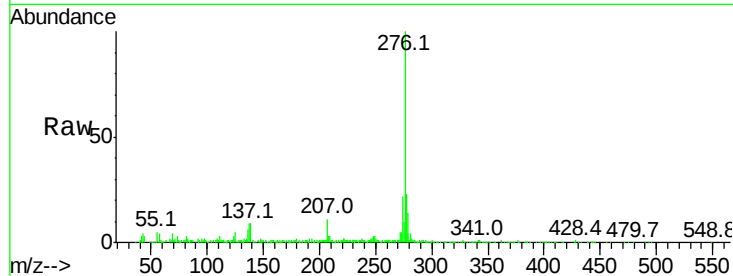
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 15.33 ng/ul m
 RT: 29.26 min Scan# 4497
 Delta R.T. 0.01 min
 Lab File: BG025115.D
 Acq: 12 Dec 2016 15:28

Instrument :
 BNA_G
 ClientSampleId :
 DA8E2

Tot Ion	Ratio	Resp	Lower	Upper
276	100	716359		
138	9.3		8.2	12.4
277	23.4		18.6	28.0

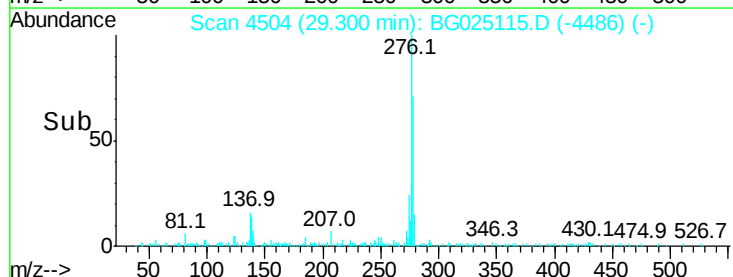
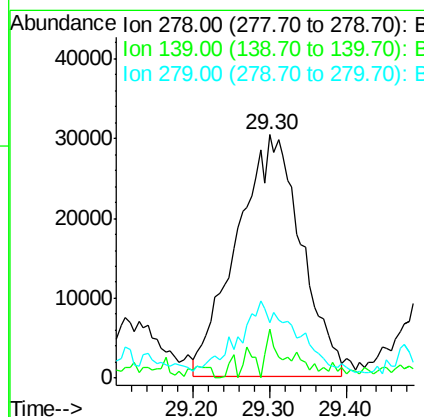
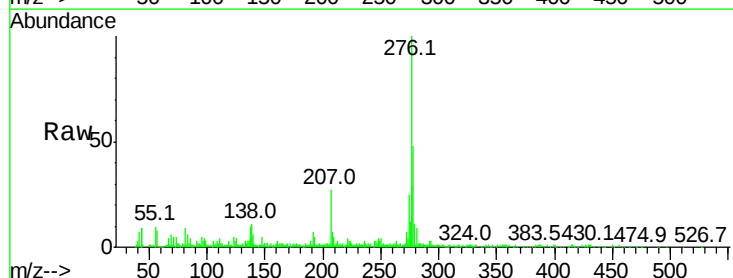
Manual Integrations
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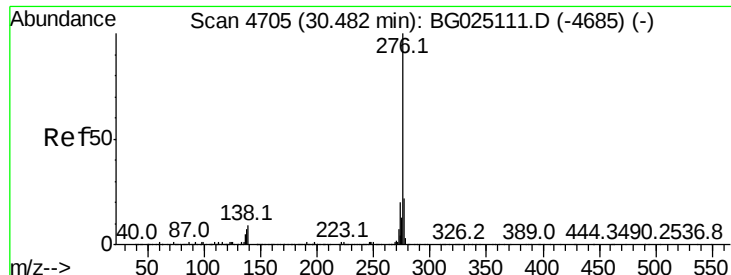
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#90
 Dibenzo(a,h)anthracene
 Concen: 4.50 ng/ul m
 RT: 29.30 min Scan# 4504
 Delta R.T. 0.00 min
 Lab File: BG025115.D
 Acq: 12 Dec 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	177085		
139	12.7		6.7	10.1#
279	23.0		20.9	31.3





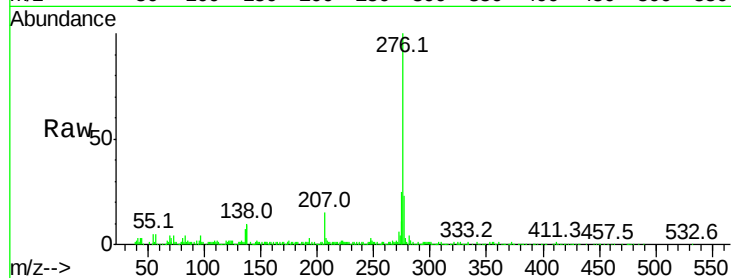
#91
 Benzo(a,h,i)perylene
 Concen: 15.50 ng/ul m
 RT: 30.49 min Scan# 4707
 Delta R.T. 0.01 min
 Lab File: BG025115.D
 Acq: 12 Dec 2016 15:28

Instrument :
 BNA_G
 ClientSampleId :
 DA8E2

Tot Ion:	276	Resp:	604399
Ion Ratio	Lower	Upper	
276	100		
138	9.9	8.6	12.8
277	22.6	17.6	26.4

Manual Integrations
 APPROVED

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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

