

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
 Data File : BG018525.D
 Acq On : 28 Aug 2015 22:53
 Operator : UM/MA
 Sample : G3448-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC3

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:47:39 PM

Quant Time: Aug 31 04:19:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 03:29:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	73164	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	353685	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.63	164	228730	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.38	188	566293	20.00	ng/ul	0.00
78) Chrysene-d12	21.64	240	538740	20.00	ng/ul	0.00
86) Perylene-d12	24.84	264	541821	20.00	ng/ul	0.00

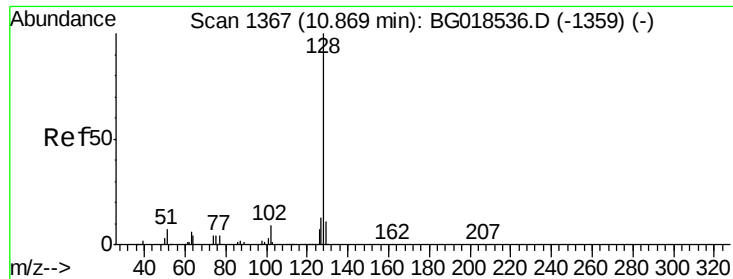
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1458	0.88	ng/uL	0.00
5) Phenol-d5	7.17	99	83006	12.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	52753	12.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	63030	12.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.71	113	71213	12.76	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	35136	12.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	35724	12.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	74416	12.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	86144	12.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.04	166	256445	13.33	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	320669	13.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	37239	10.76	ng/ul	0.00
58) Fluorene-d10	15.63	176	232720	13.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	25463	9.14	ng/ul	0.00
71) Anthracene-d10	17.48	188	373684	13.80	ng/ul	0.00
79) Pyrene-d10	19.76	212	371593	13.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.62	264	369922	12.86	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.86	128	30302	1.62	ng/ul	99
45) Dimethylphthalate	14.08	163	123107	6.49	ng/ul	99
50) Acenaphthene	14.70	153	83266	4.88	ng/ul	96
54) Dibenzofuran	15.03	168	62547	2.81	ng/ul	99
59) Fluorene	15.68	166	94109	4.91	ng/ul	97
70) Phenanthrene	17.43	178	1500247	48.83	ng/ul	95
72) Anthracene	17.51	178	431726	13.79	ng/ul	100
75) Carbazole	17.78	167	234705	8.55	ng/ul	98
77) Fluoranthene	19.43	202	2122960	64.70	ng/ul#	92
80) Pyrene	19.79	202	1789326	49.12	ng/ul#	92
83) Benzo(a)anthracene	21.62	228	1000821	29.96	ng/ul	96
85) Chrysene	21.69	228	873466	27.97	ng/ul	98
88) Benzo(b)fluoranthene	23.83	252	1246023	36.60	ng/ul#	97
89) Benzo(k)fluoranthene	23.89	252	423374m	12.92	ng/ul	
91) Benzo(a)pyrene	24.69	252	881910	27.25	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.48	276	627477	16.75	ng/ul	96
93) Dibenzo(a,h)anthracene	28.52	278	148091m	4.76	ng/ul	
94) Benzo(g,h,i)perylene	29.61	276	496362	15.78	ng/ul	99

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



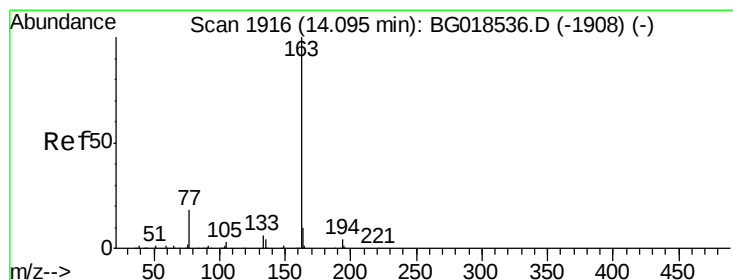
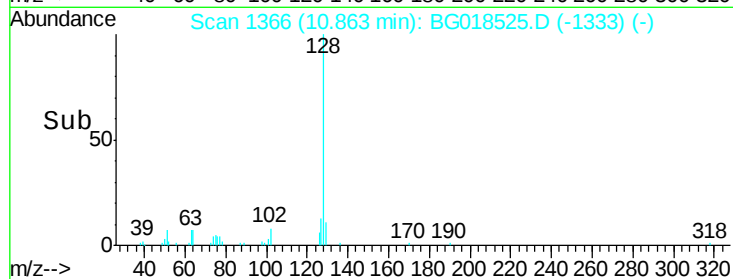
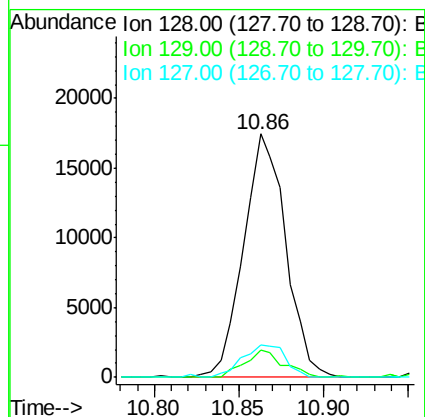
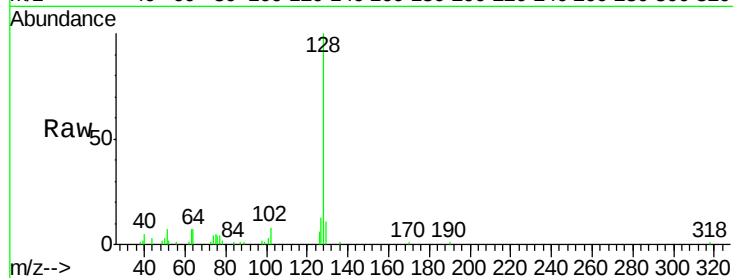
#28
Naphthalene
Concen: 1.62 ng/ul
RT: 10.86 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Instrument :
BNA_G
ClientSampleId :
C0AC3

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	30302		
129	11.3	9.6	14.4	
127	13.1	10.5	15.7	

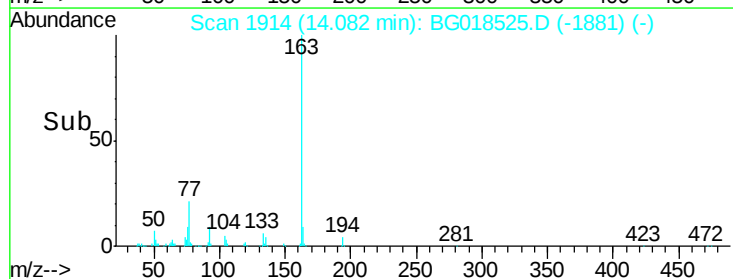
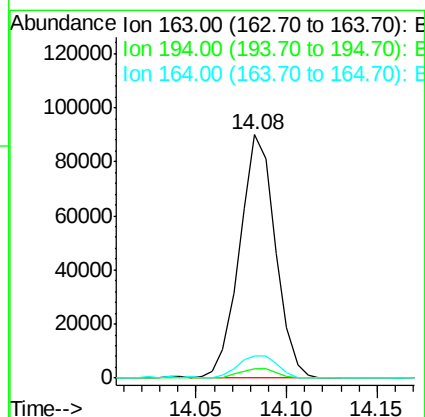
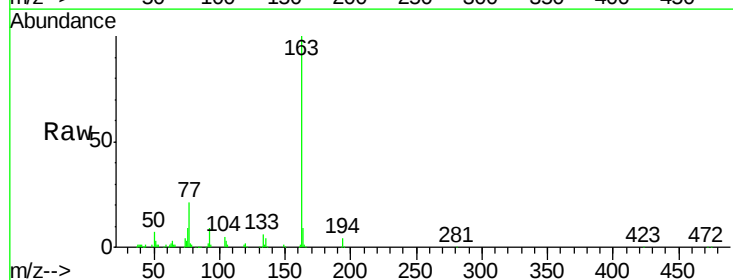
Manual Integrations
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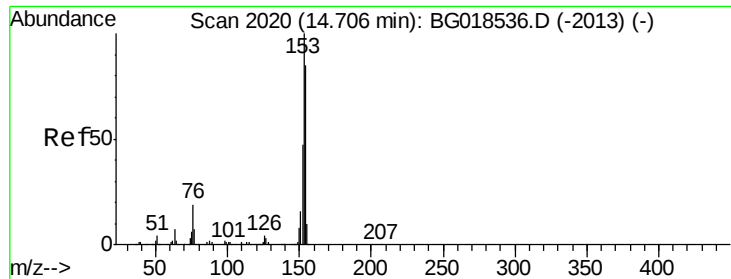
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#45
Dimethylphthalate
Concen: 6.49 ng/ul
RT: 14.08 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	123107		
194	4.0	2.9	4.3	
164	9.2	7.7	11.5	





#50

Acenaphthene

Concen: 4.88 ng/ul

RT: 14.70 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG018525.D

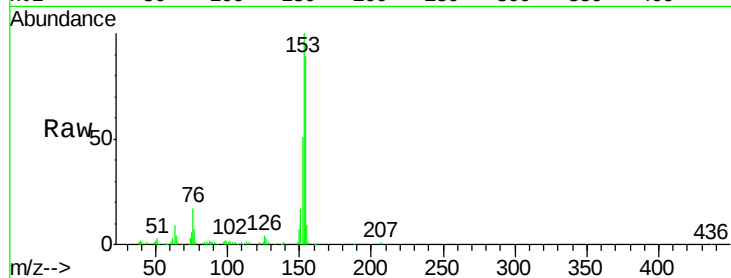
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Instrument :

BNA_G

ClientSampleId :

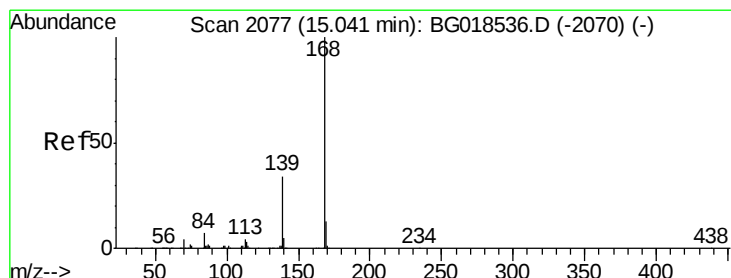
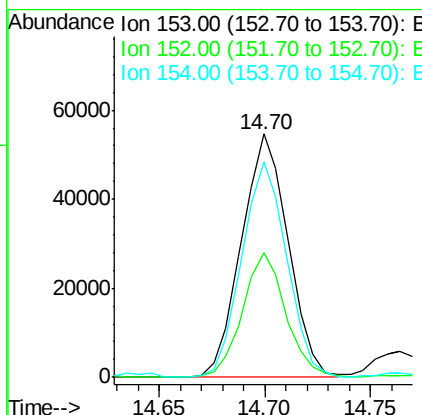
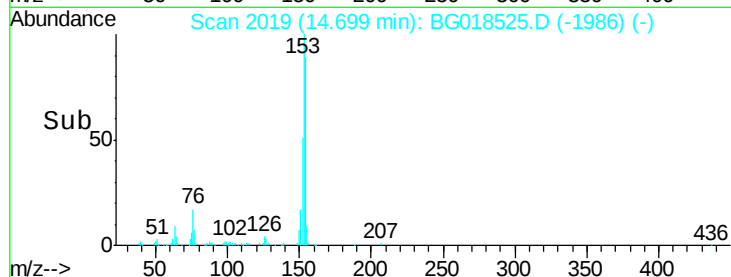
C0AC3



Tgt Ion:	153	Resp:	83266
Ion Ratio	Lower	Upper	
153	100		
152	51.0	38.2	57.4
154	88.6	68.6	103.0

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#54

Dibenzofuran

Concen: 2.81 ng/ul

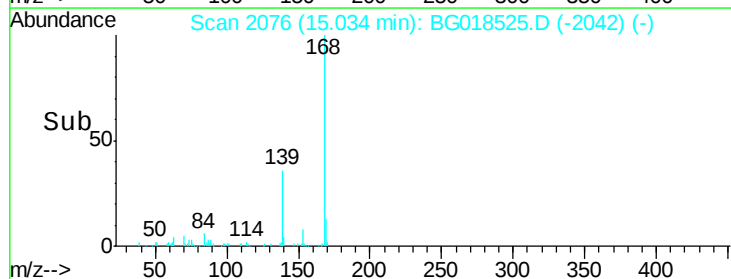
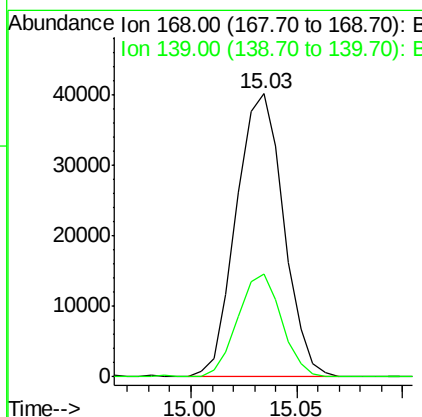
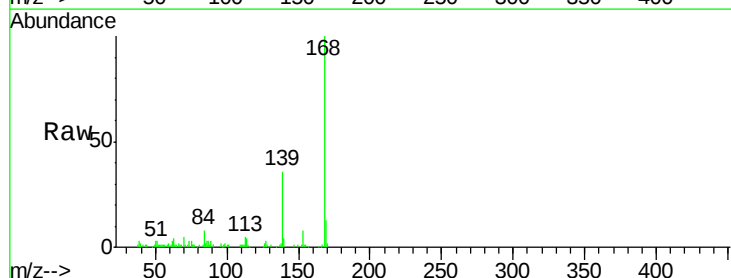
RT: 15.03 min Scan# 2076

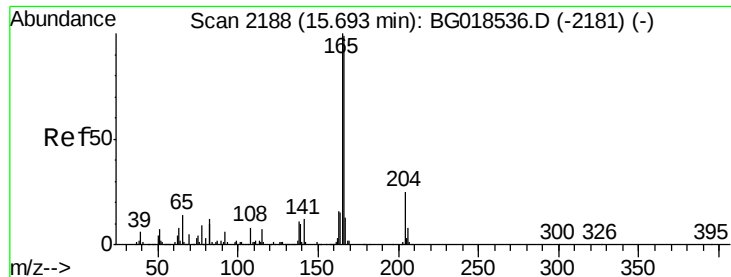
Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Tgt Ion:	168	Resp:	62547
Ion Ratio	Lower	Upper	
168	100		
139	36.4	29.7	44.5





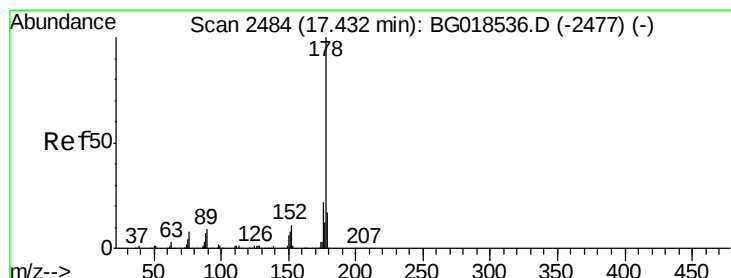
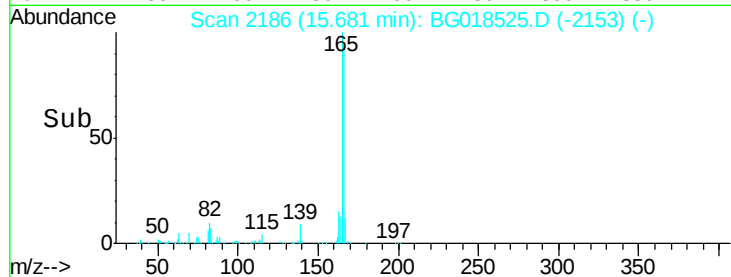
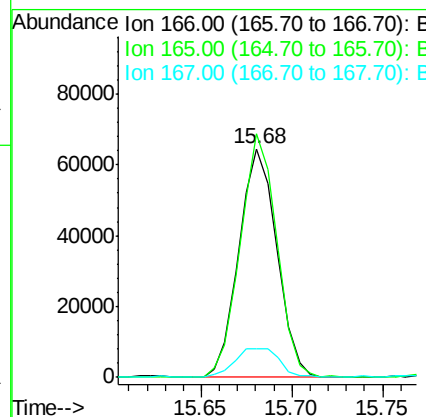
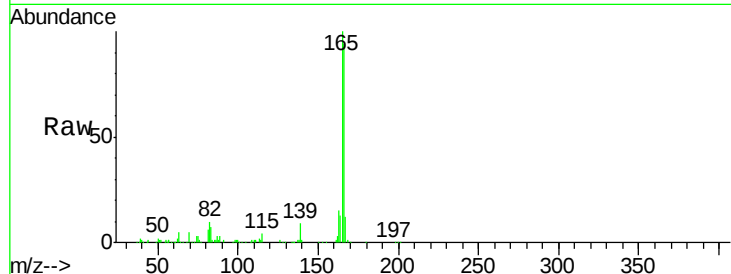
#59
 Fluorene
 Concen: 4.91 ng/ul
 RT: 15.68 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	94109		
165	106.7	82.6	124.0	
167	12.6	11.4	17.0	

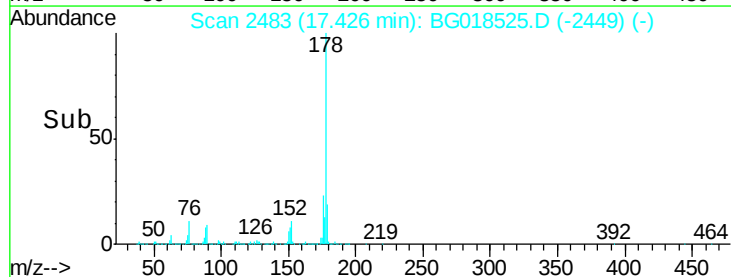
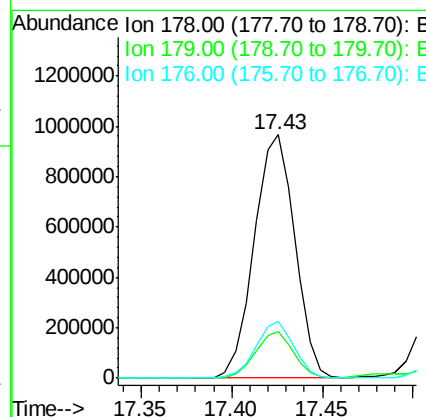
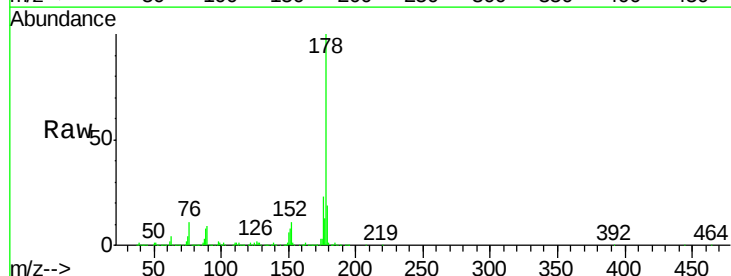
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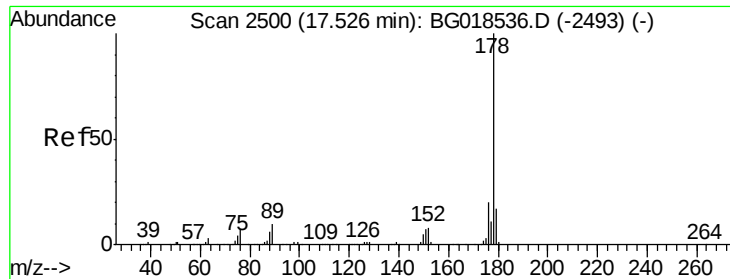
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#70
 Phenanthrene
 Concen: 48.83 ng/ul
 RT: 17.43 min Scan# 2483
 Delta R.T. 0.00 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1500247		
179	19.1	13.7	20.5	
176	23.1	16.6	24.8	





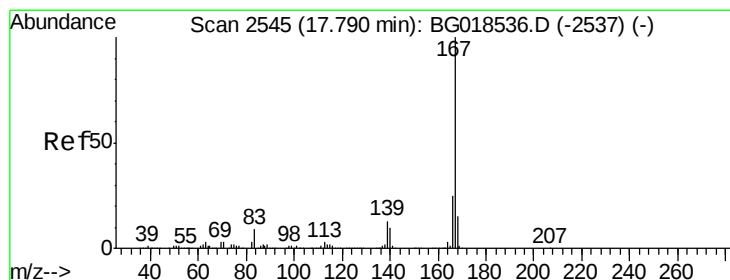
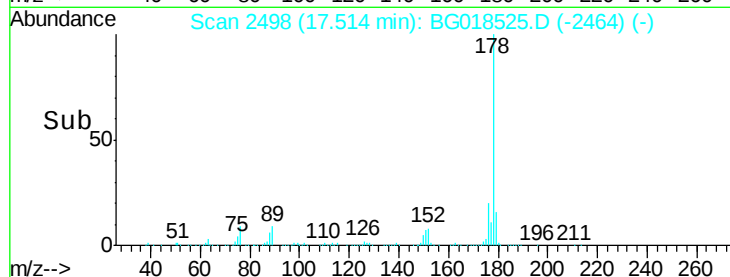
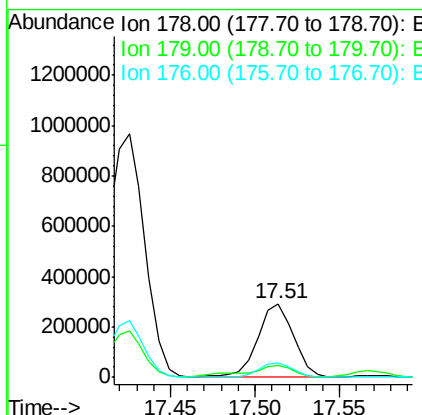
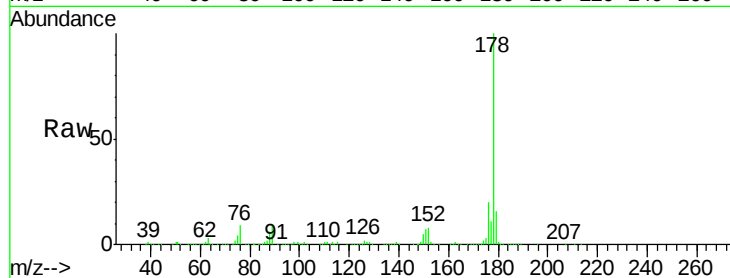
#72
 Anthracene
 Concen: 13.79 ng/ul
 RT: 17.51 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.0	19.4
176	19.9	16.0	24.0

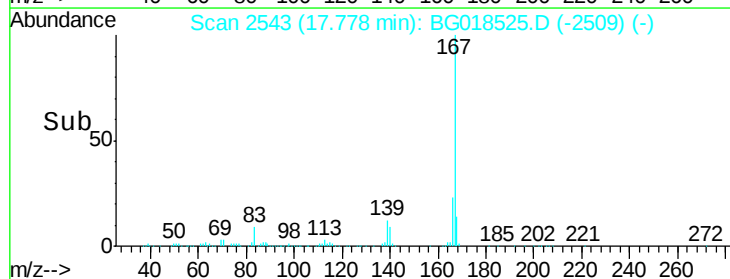
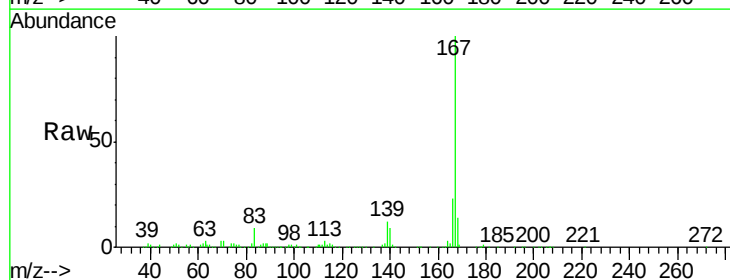
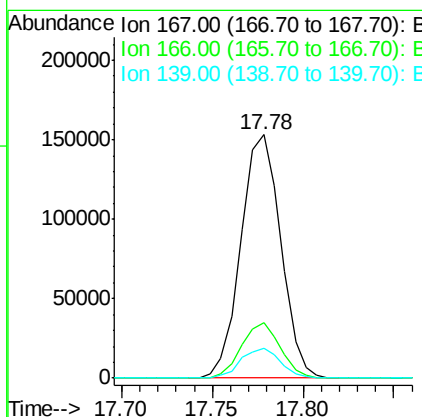
Manual Integrations
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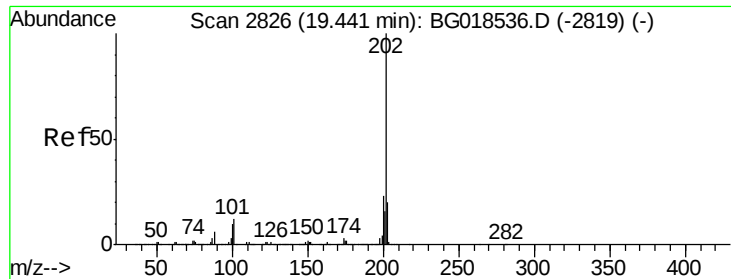
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#75
 Carbazole
 Concen: 8.55 ng/ul
 RT: 17.78 min Scan# 2543
 Delta R.T. 0.00 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.9	28.3
139	12.1	10.1	15.1





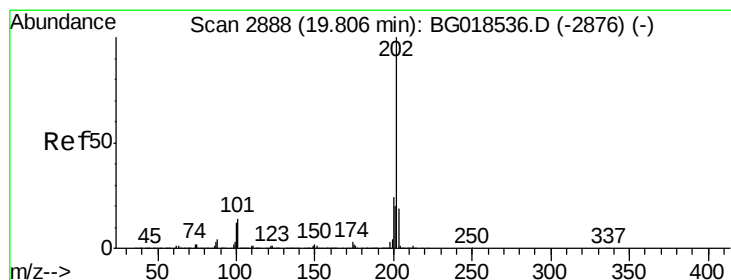
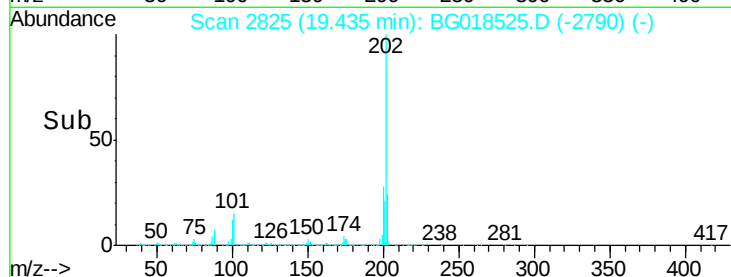
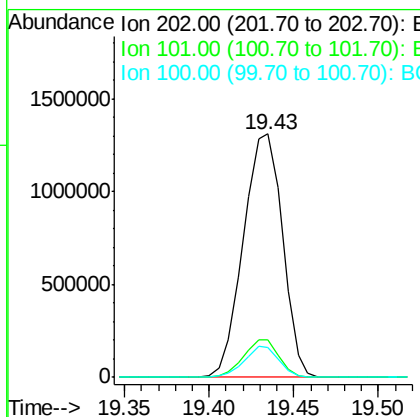
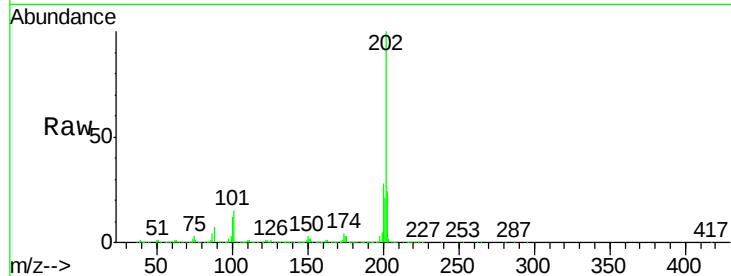
#77
 Fluoranthene
 Concen: 64.70 ng/ul
 RT: 19.43 min Scan# 2825
 Delta R.T. 0.01 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2122960		
101	15.4	9.7	14.5#	
100	12.4	7.8	11.8#	

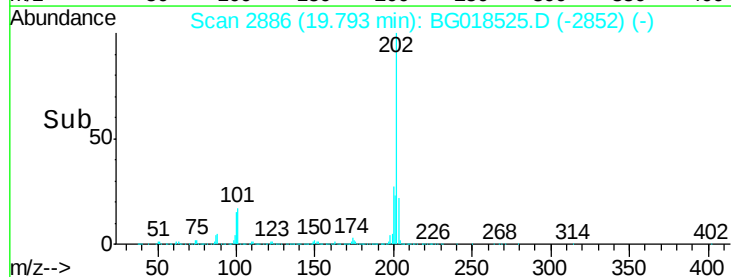
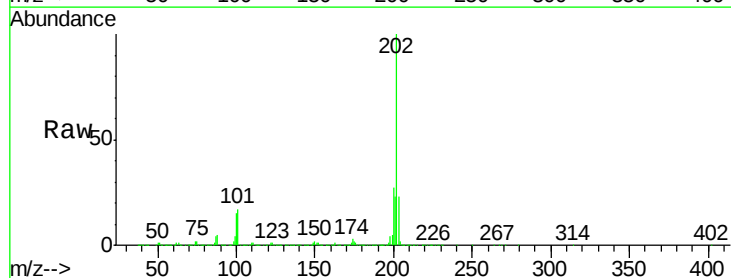
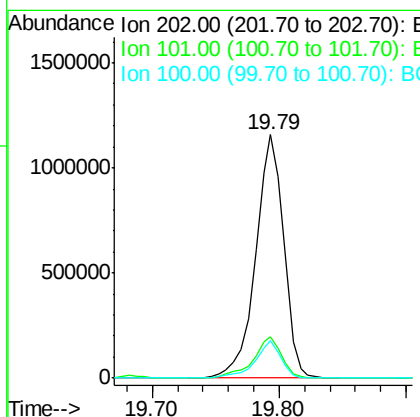
Manual Integrations
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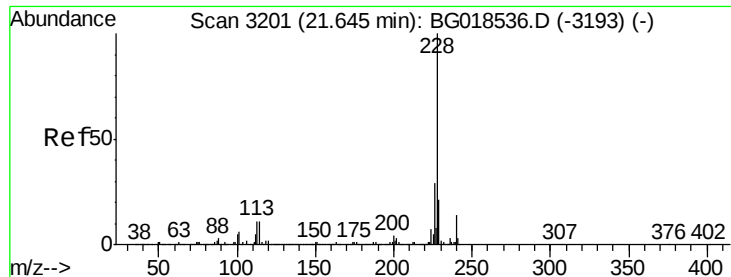
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#80
 Pyrene
 Concen: 49.12 ng/ul
 RT: 19.79 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: BG018525.D
 Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1789326		
101	17.1	11.0	16.4#	
100	15.2	9.8	14.6#	





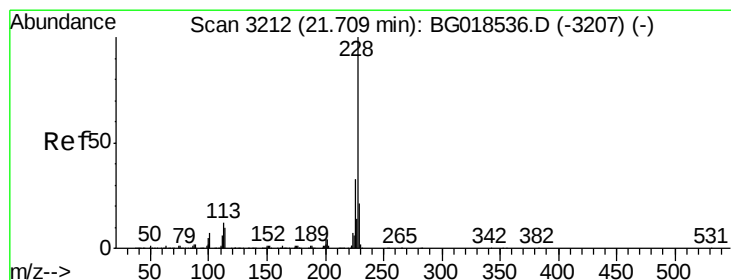
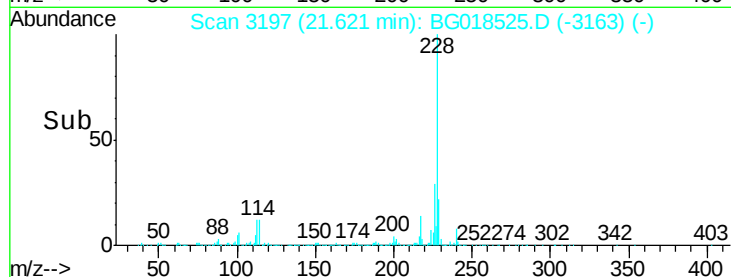
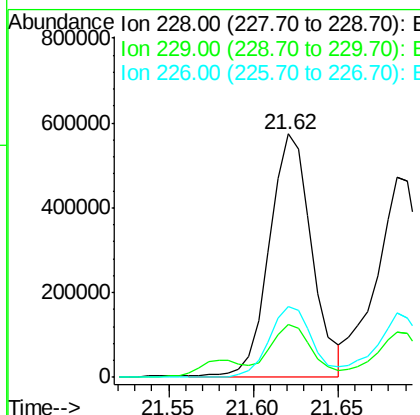
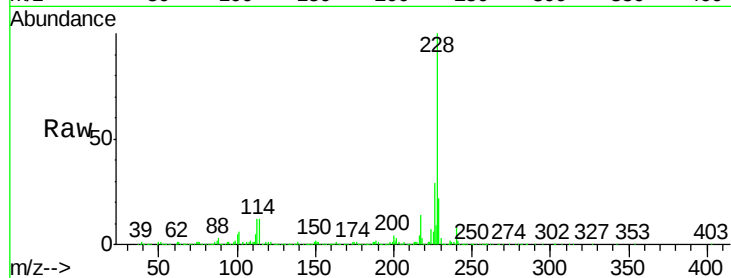
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Benzo(a)anthracene
Concen: 29.96 ng/ul
RT: 21.62 min Scan# 3197
Delta R.T. 0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Instrument :
BNA_G
ClientSampleId :
C0AC3

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.5	23.3
226	29.2	22.1	33.1

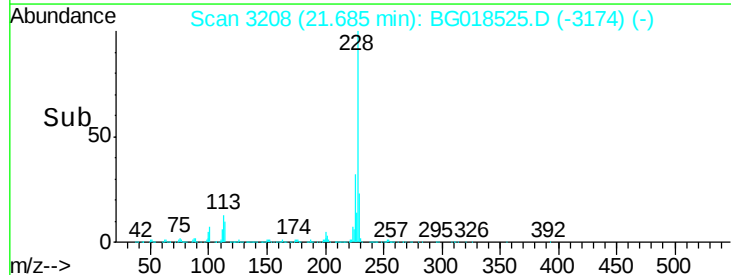
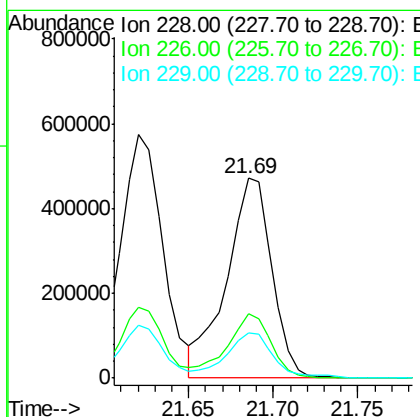
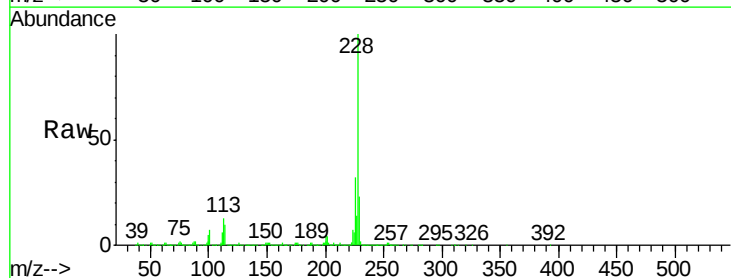
Manual Integrations
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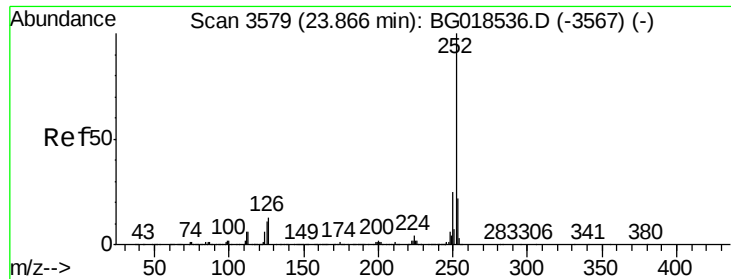
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#85
Chrysene
Concen: 27.97 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	26.5	39.7
229	22.9	16.9	25.3





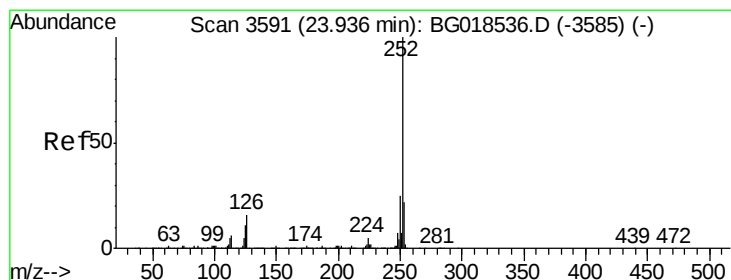
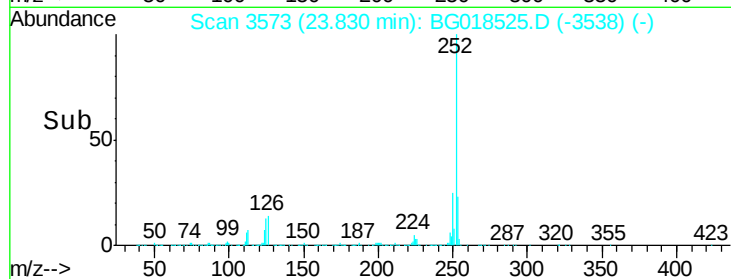
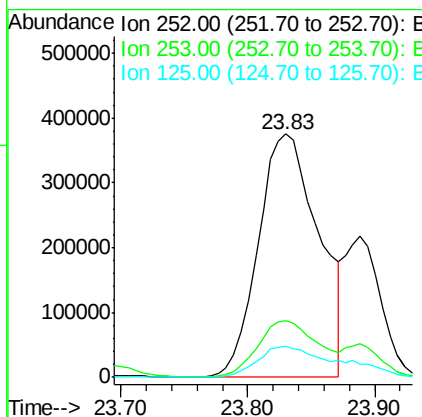
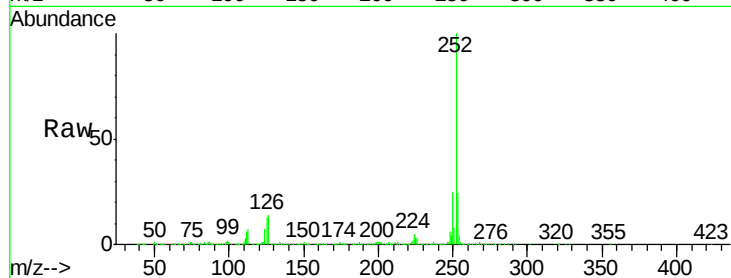
#88
Benzo(b)fluoranthene
Concen: 36.60 ng/ul
RT: 23.83 min Scan# 3573
Delta R.T. 0.01 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Instrument :
BNA_G
ClientSampleId :
C0AC3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.6	8.3	12.5

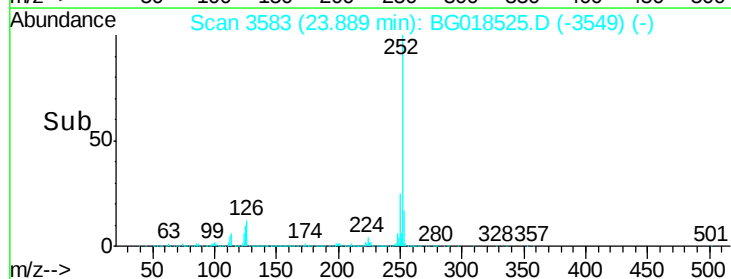
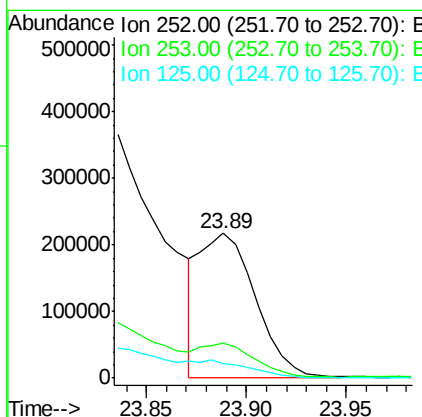
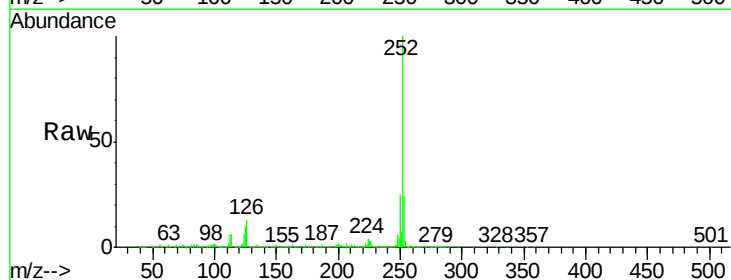
Manual Integrations
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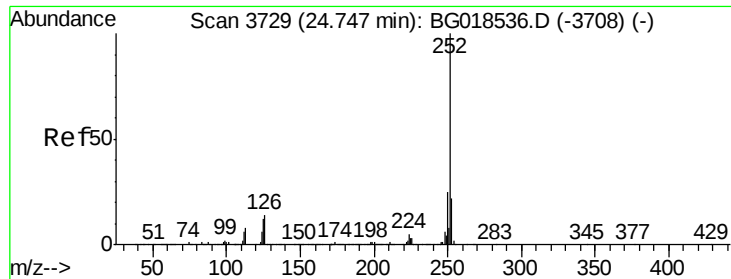
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#89
Benzo(k)fluoranthene
Concen: 12.92 ng/ul m
RT: 23.89 min Scan# 3583
Delta R.T. 0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	9.8	9.0	13.4





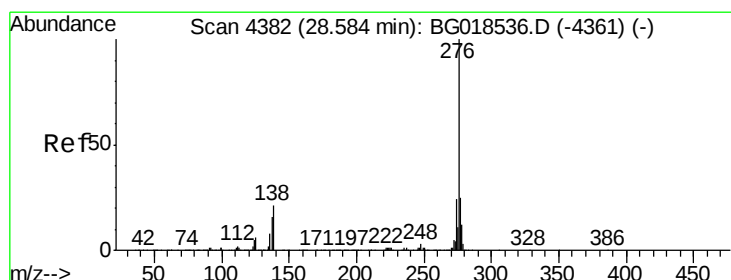
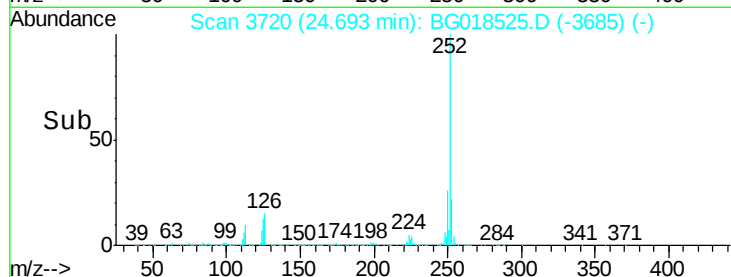
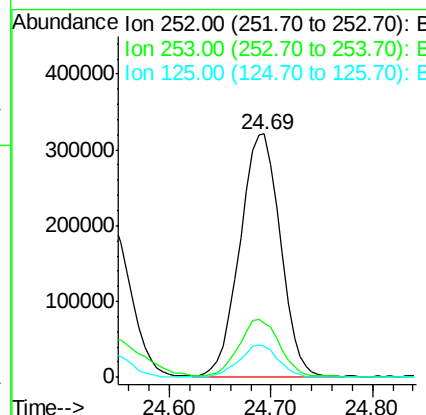
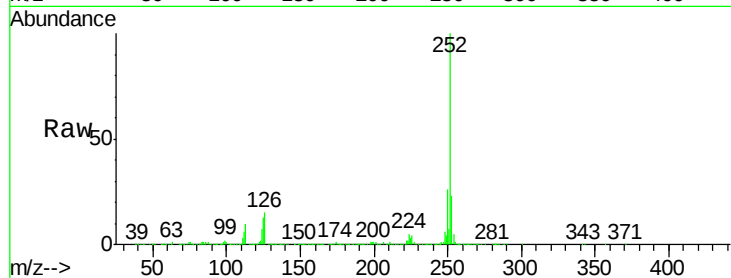
#91
Benzo(a)pyrene
Concen: 27.25 ng/ul
RT: 24.69 min Scan# 3720
Delta R.T. 0.01 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Instrument :
BNA_G
ClientSampleId :
C0AC3

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.5	17.7	26.5
125	12.8	10.2	15.2

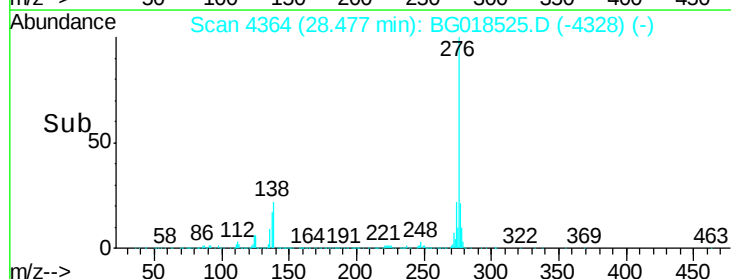
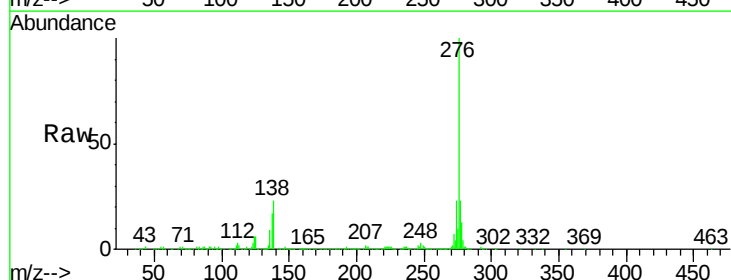
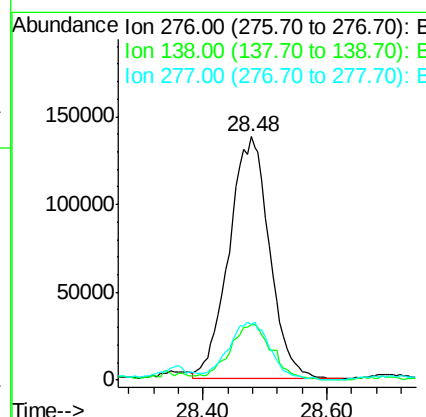
Manual Integrations
APPROVED

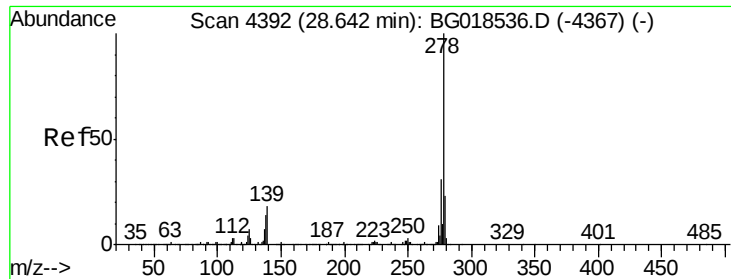
MMDadoda
8/31/2015 1:47:39 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 16.75 ng/ul
RT: 28.48 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.8	15.8	23.6
277	23.0	18.9	28.3





#93

Dibenzo(a,h)anthracene

Concen: 4.76 ng/ul m

RT: 28.52 min Scan# 4371

Delta R.T. -0.02 min

Lab File: BG018525.D

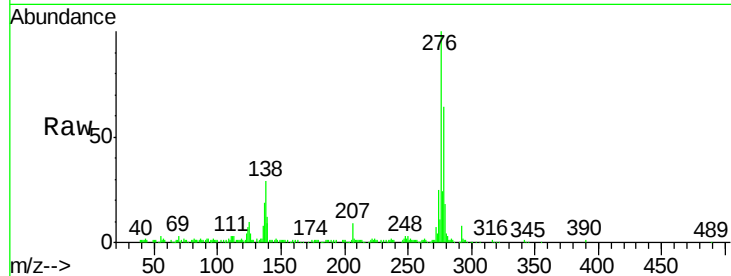
Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

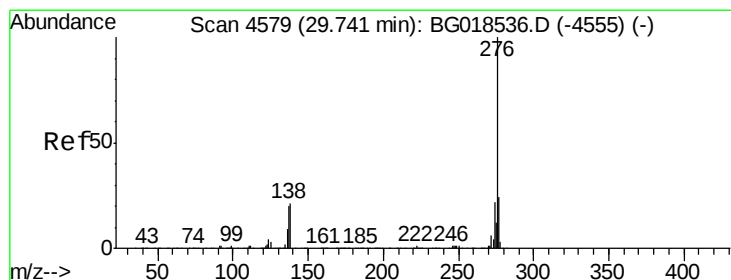
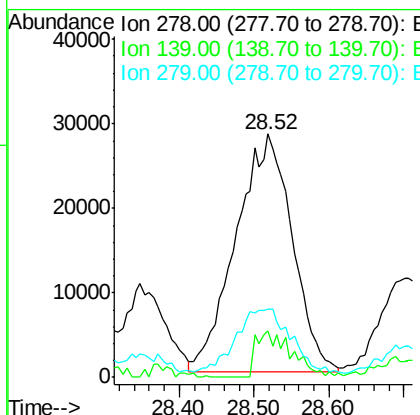
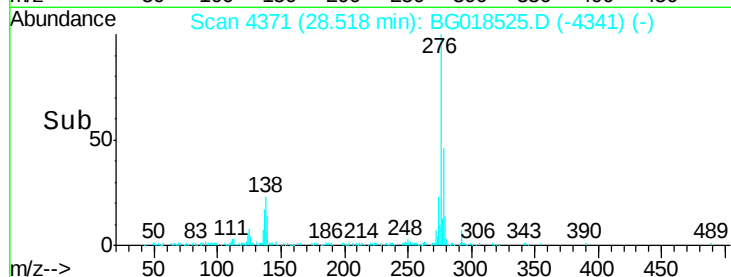
C0AC3



Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.8	20.6
279	28.1	17.8	26.8

Manual Integrations
APPROVED

MMDadoda
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#94

Benzo(g,h,i)perylene

Concen: 15.78 ng/ul

RT: 29.61 min Scan# 4557

Delta R.T. -0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.5	24.7
277	23.2	19.0	28.6

