

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042206.D
 Acq On : 14 Aug 2019 11:54
 Operator : HP/JU
 Sample : K4304-12
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 CB5P3

Manual Integrations
 APPROVED

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 8/15/2019 5:11:53 PM

Quant Time: Aug 14 14:06:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	88410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	364739	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	247598	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	496406	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	488755	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	596755	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7457	3.69	ng/uL	0.00
5) Phenol-d5	7.18	99	174743	25.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	86717	22.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	160459	27.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	152264	26.14	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	81229	29.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	101434	31.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	188087	29.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	222543	31.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	566814	29.52	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	655620	29.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	83153	25.79	ng/ul	0.00
57) Fluorene-d10	15.68	176	501354	29.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	76039	23.87	ng/ul	0.00
70) Anthracene-d10	17.54	188	724076	30.40	ng/ul	0.00
78) Pyrene-d10	19.83	212	838419	30.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	980943	31.47	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.90	128	48625	2.608 ng/ul#	95
34) 2-Methylnaphthalene	12.51	142	32246	2.176 ng/ul	94
44) Dimethylphthalate	14.13	163	45546	2.389 ng/ul	99
47) Acenaphthylene	14.41	152	42593	1.924 ng/ul	98
49) Acenaphthene	14.74	153	46225	2.986 ng/ul	99
53) Dibenzofuran	15.09	168	91715	3.970 ng/ul	96
58) Fluorene	15.73	166	87358	4.694 ng/ul	96
69) Phenanthrene	17.48	178	1374892	50.592 ng/ul	95
71) Anthracene	17.57	178	193219	7.010 ng/ul	97
74) Carbazole	17.84	167	115448	5.057 ng/ul	99
76) Fluoranthene	19.50	202	1571203	50.039 ng/ul	99
79) Pyrene	19.86	202	1334566	40.593 ng/ul	99
82) Benzo(a)anthracene	21.71	228	739958	21.836 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.61	149	146973	8.324 ng/ul	99
84) Chrysene	21.77	228	789973	24.976 ng/ul	99
87) Benzo(b)fluoranthene	23.96	252	957280	25.562 ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	383662m	10.655 ng/ul	
90) Benzo(a)pyrene	24.84	252	674547	18.902 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.73	276	418939	10.065 ng/ul	98
92) Dibenzo(a,h)anthracene	28.77	278	121667	3.583 ng/ul	97
93) Benzo(a,h,i)perylene	29.90	276	346274	9.964 ng/ul	97

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ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB5P3

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

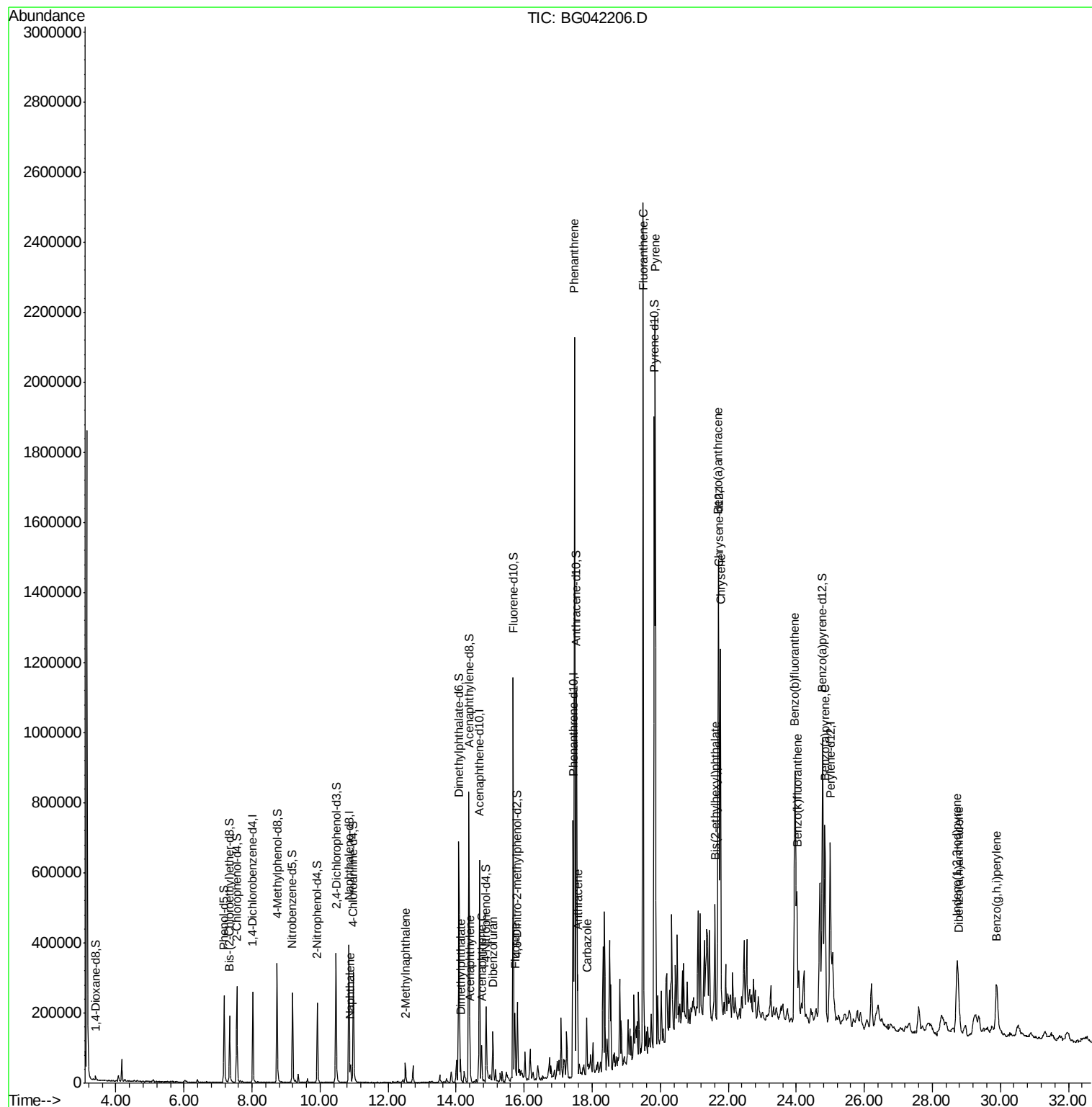
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
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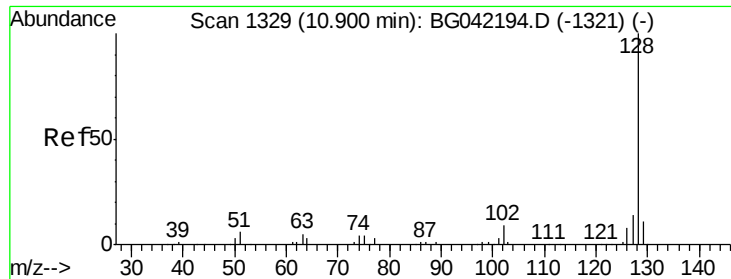
Instrument :
BNA_G
ClientSampled :
CB5P3

Manual Integrations
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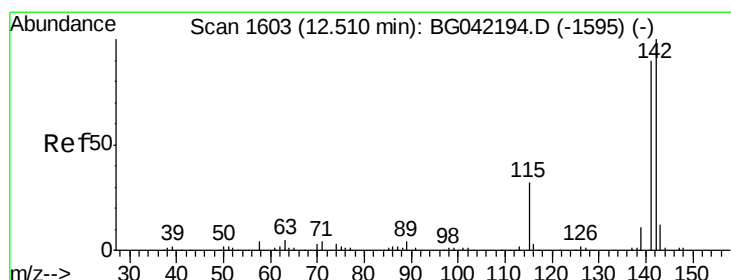
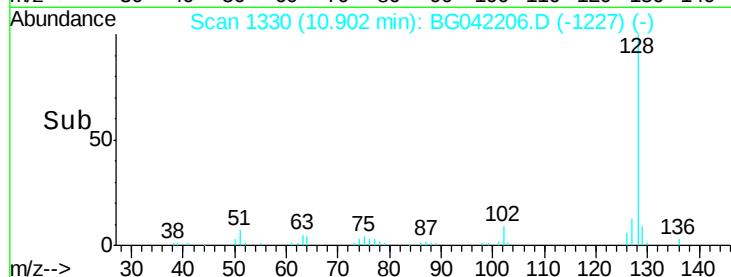
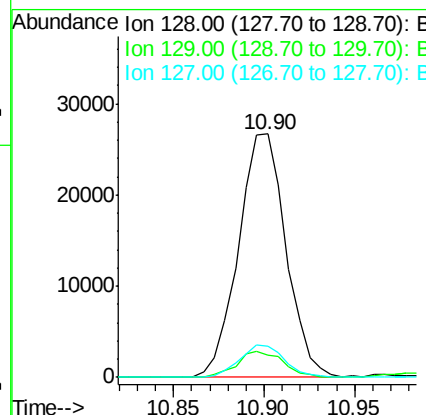
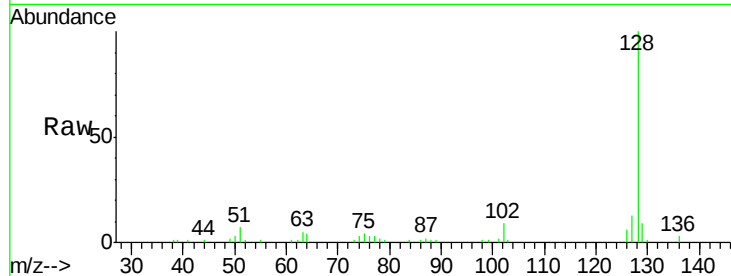
#28
Naphthalene
Concen: 2.608 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampleId :
CB5P3

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.4	9.5	14.3#
127	12.6	11.4	17.0

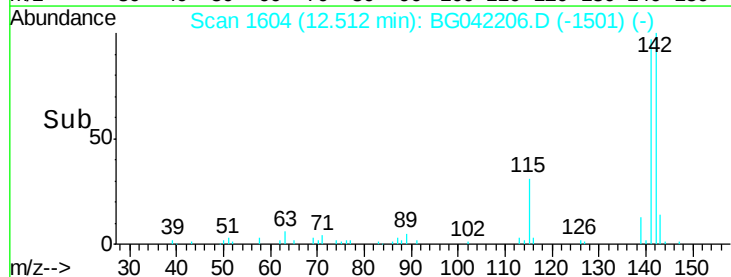
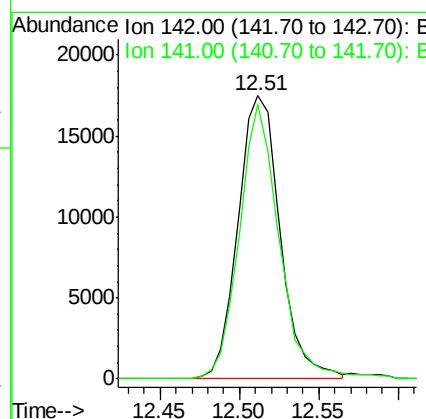
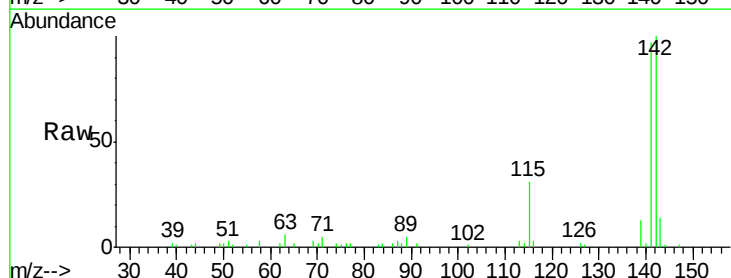
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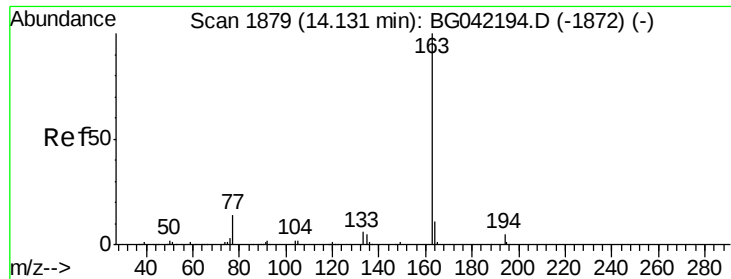
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#34
2-Methylnaphthalene
Concen: 2.176 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.1	72.9	109.3





#44

Dimethylphthalate

Concen: 2.389 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

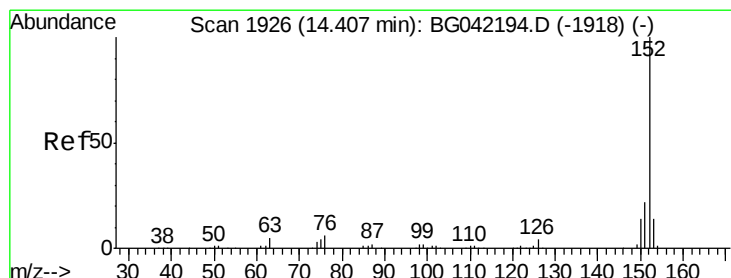
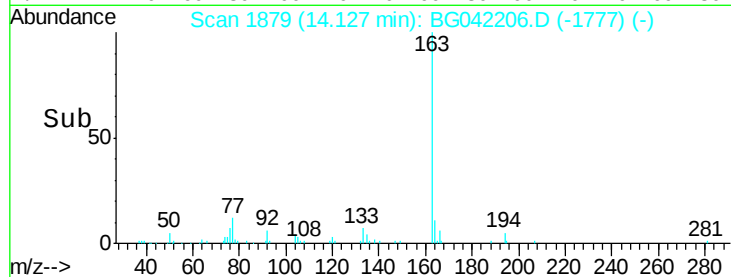
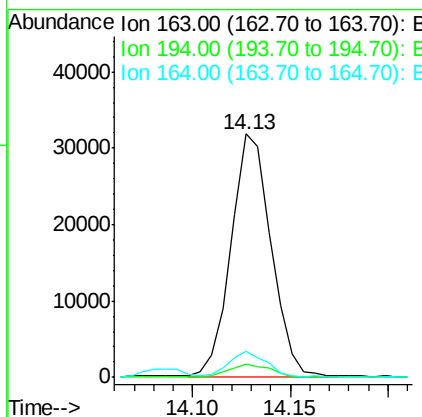
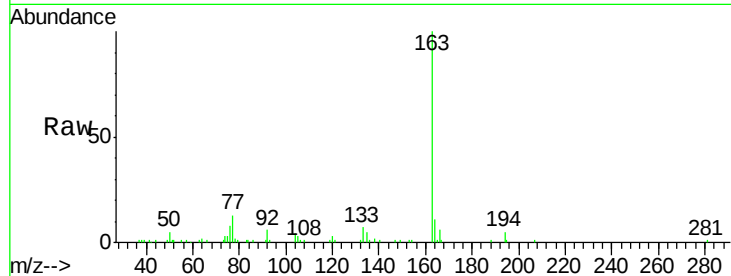
ClientSampleId :

CB5P3

Tot Ion:	163	Resp:	45546
Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.2	6.2
164	10.5	7.8	11.8

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#47

Acenaphthylene

Concen: 1.924 ng/ul

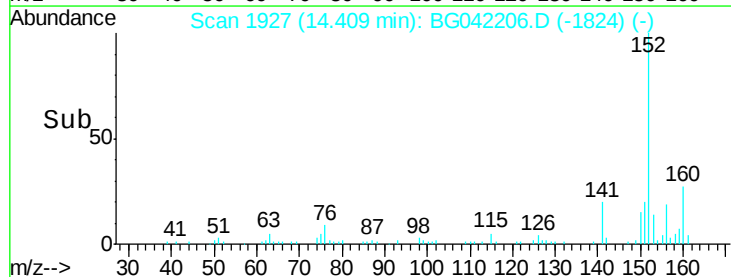
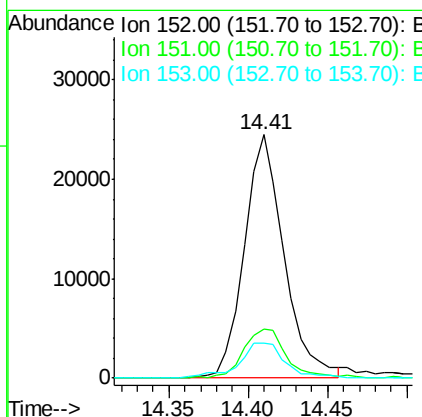
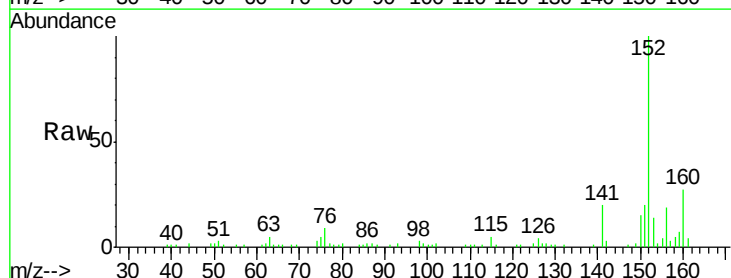
RT: 14.41 min Scan# 1927

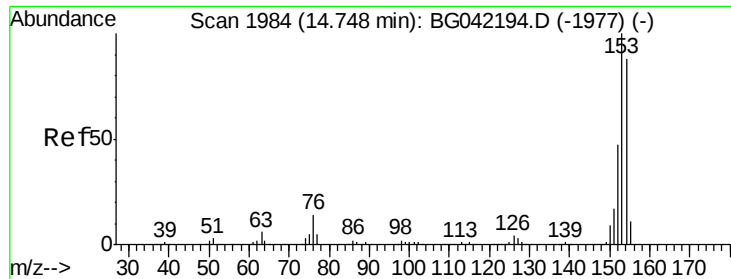
Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Tgt Ion:	152	Resp:	42593
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	14.2	10.3	15.5





#49

Acenaphthene

Concen: 2.986 ng/ul

RT: 14.74 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

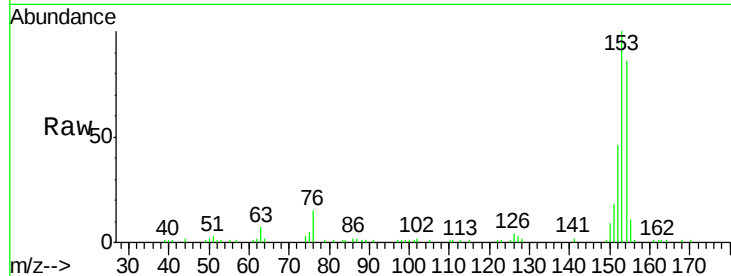
ClientSampleId :

CB5P3

Tot Ion:	153	Resp:	46225
Ion Ratio	Lower	Upper	
153	100		
152	46.2	37.8	56.8
154	86.1	69.4	104.2

Manual Integrations
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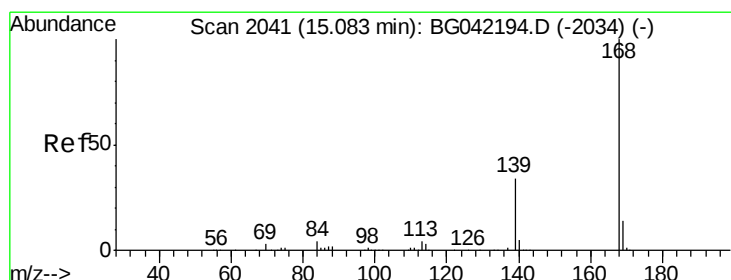
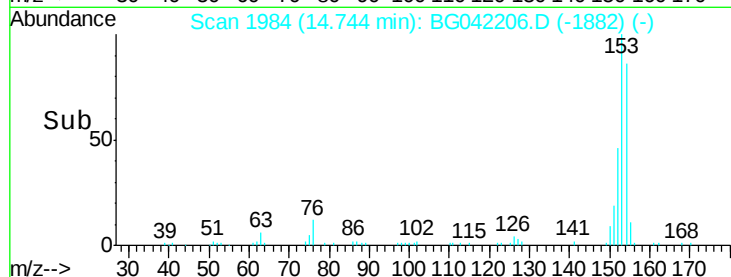
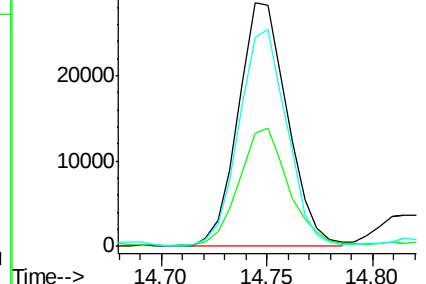
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.970 ng/ul

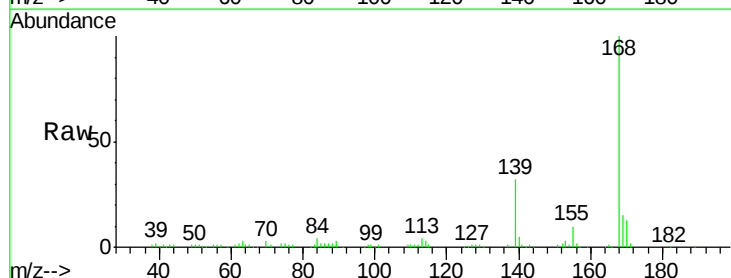
RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042206.D

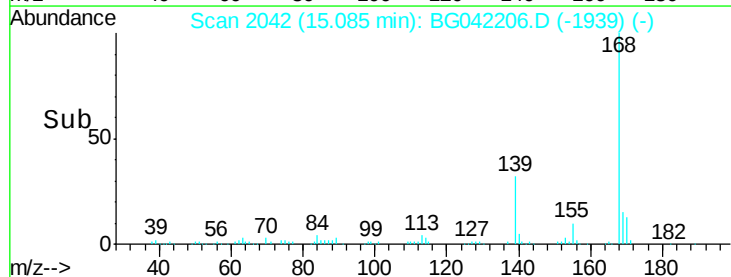
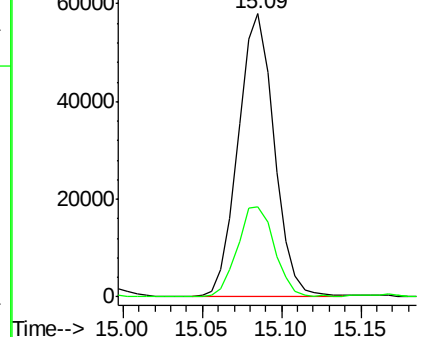
Acq: 14 Aug 2019 11:54

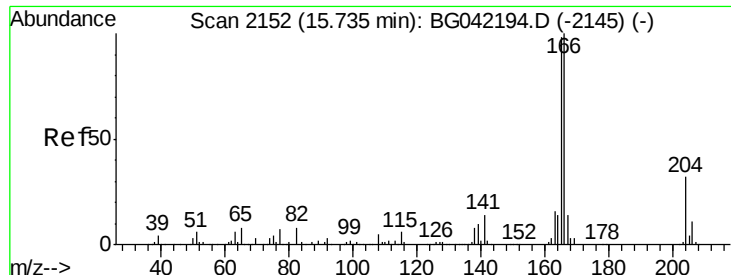
Tgt Ion:	168	Resp:	91715
Ion Ratio	Lower	Upper	
168	100		
139	31.9	27.3	40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.694 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

Tot Ion:166 Resp: 87358

Ion Ratio Lower Upper

166 100

165 97.0 81.1 121.7

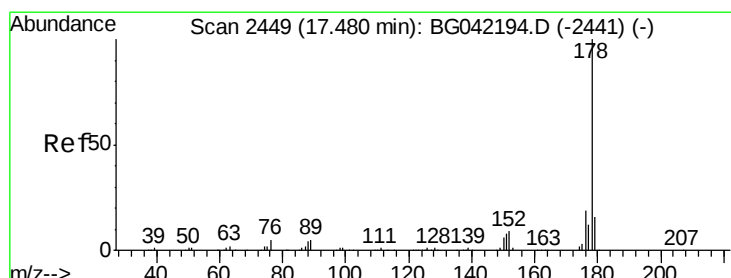
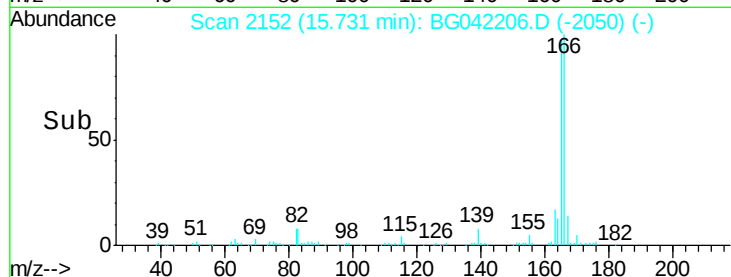
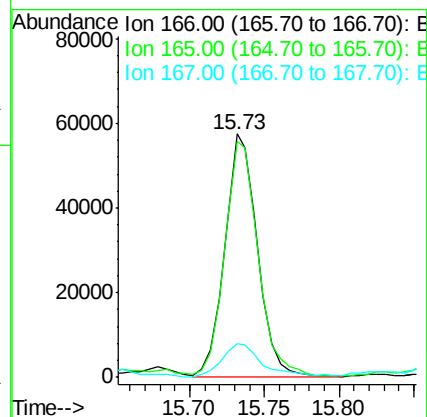
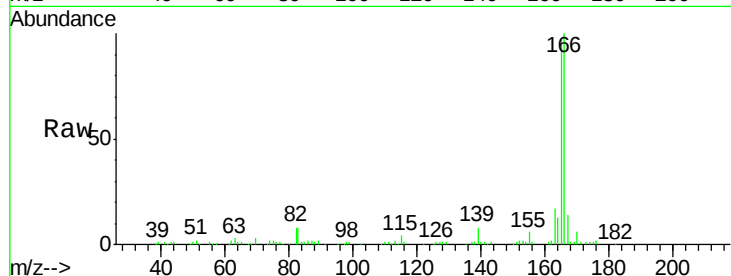
167 13.7 11.0 16.4

Manual Integrations

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#69

Phenanthrene

Concen: 50.592 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

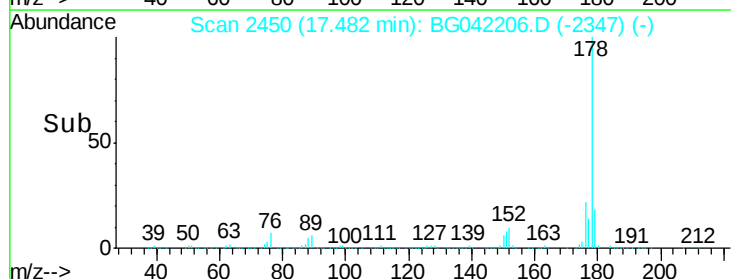
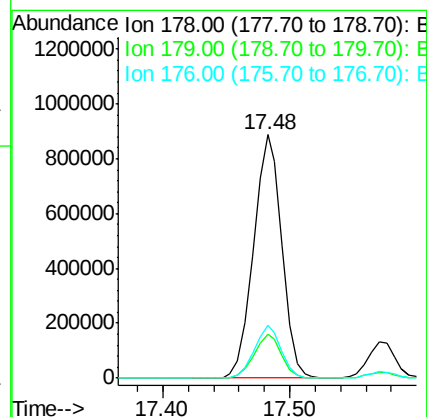
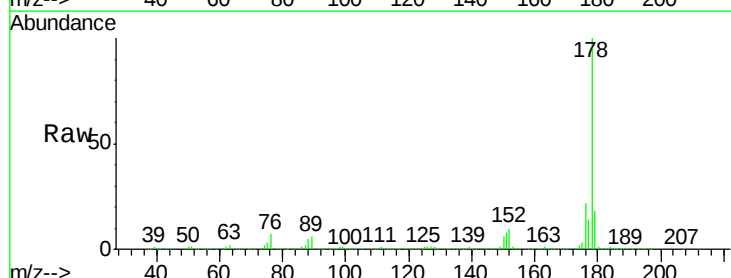
Tgt Ion:178 Resp: 1374892

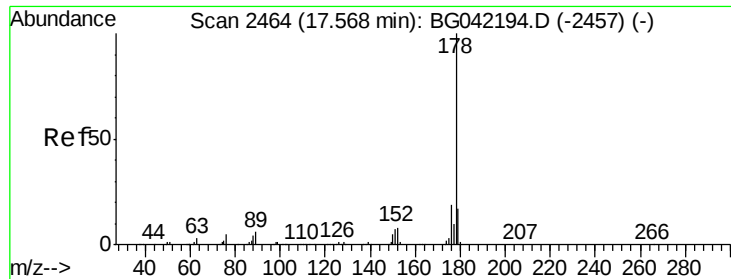
Ion Ratio Lower Upper

178 100

179 18.3 12.8 19.2

176 21.5 15.4 23.2





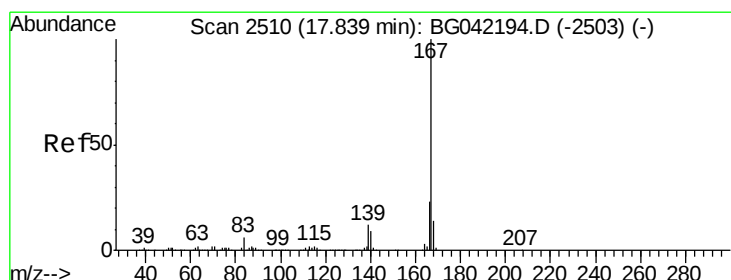
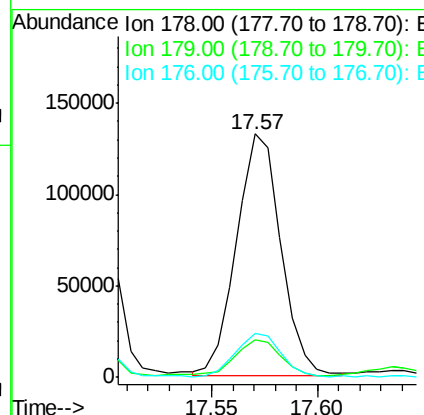
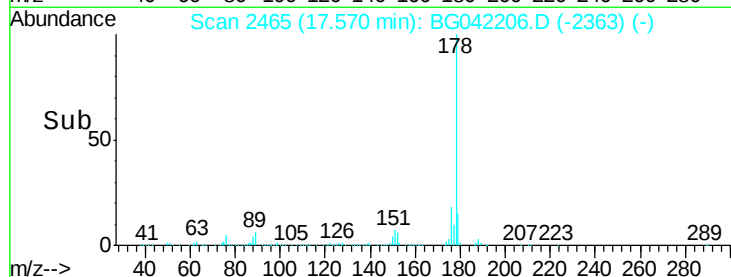
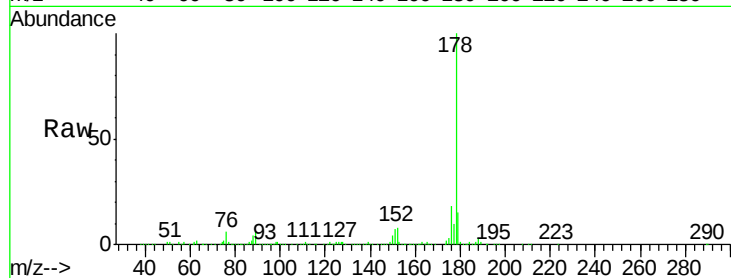
#71
 Anthracene
 Concen: 7.010 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

Instrument :
 BNA_G
 ClientSampleId :
 CB5P3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.4	20.0
176	18.2	15.4	23.2

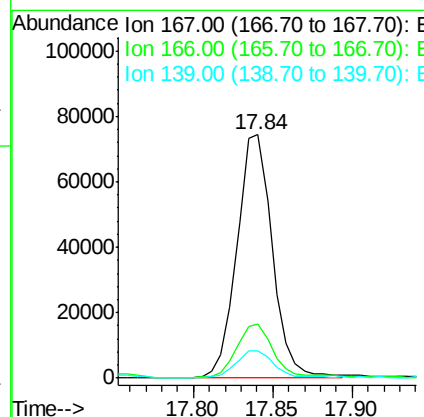
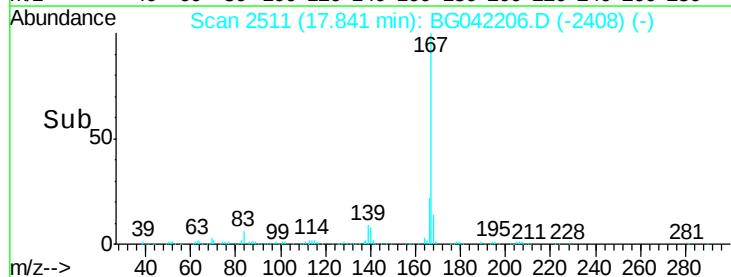
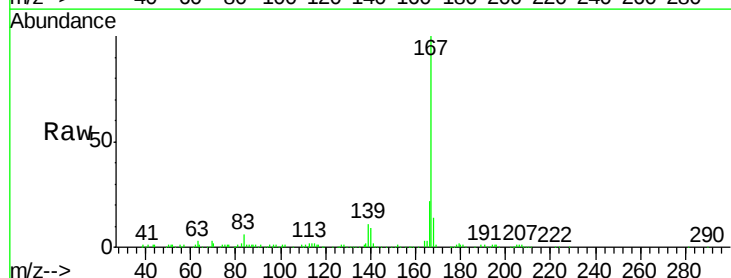
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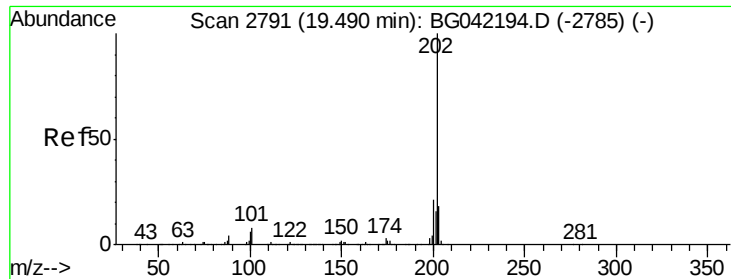
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#74
 Carbazole
 Concen: 5.057 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.2	27.4
139	11.2	9.6	14.4





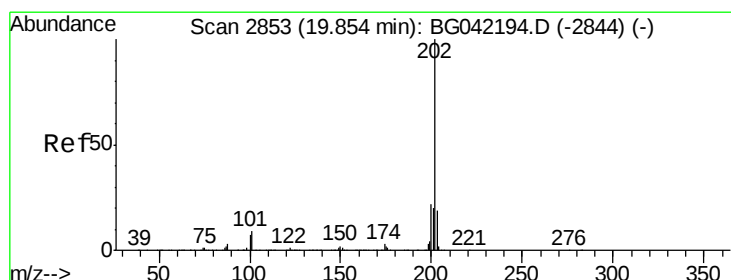
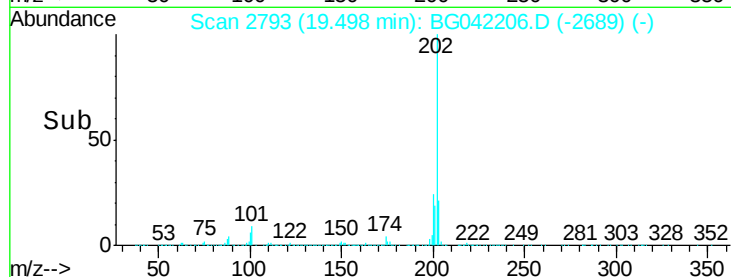
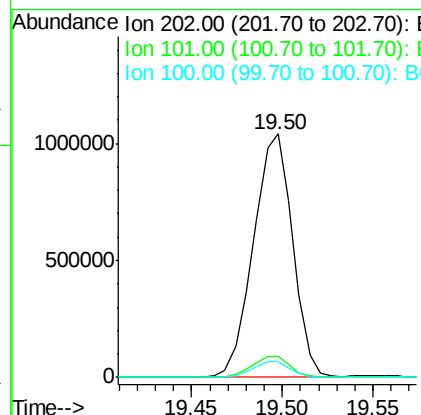
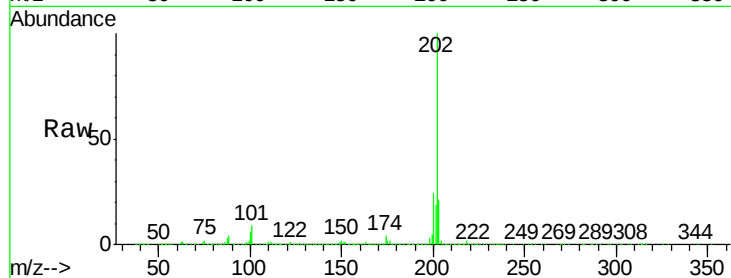
#76
 Fluoranthene
 Concen: 50.039 ng/ul
 RT: 19.50 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

Instrument :
 BNA_G
 ClientSampleId :
 CB5P3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1571203		
101	8.7	6.7	10.1		
100	6.5	5.3	7.9		

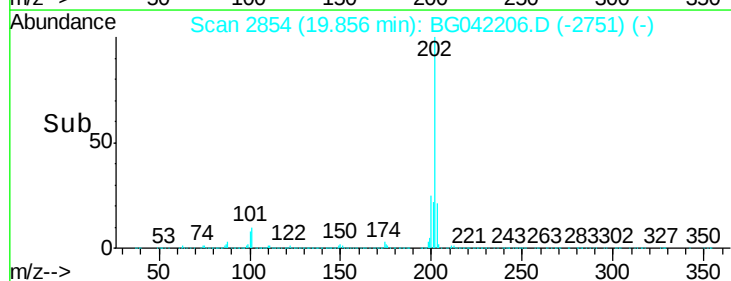
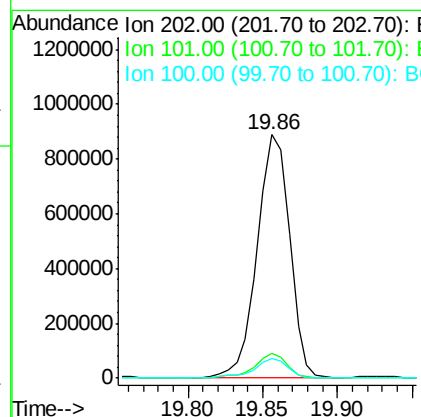
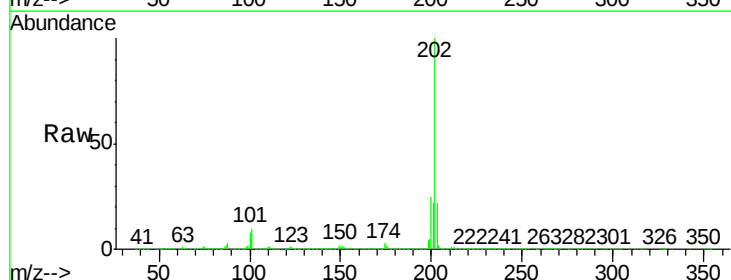
Manual Integrations
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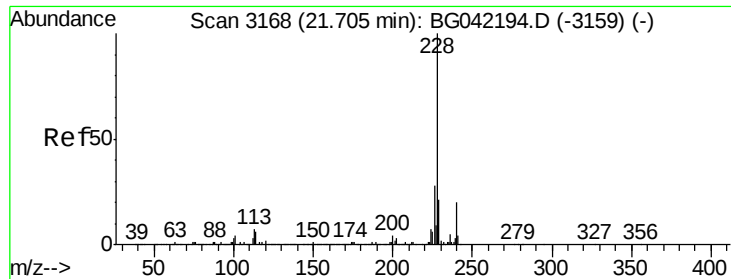
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#79
 Pyrene
 Concen: 40.593 ng/ul
 RT: 19.86 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1334566		
101	9.9	7.6	11.4		
100	8.3	6.5	9.7		





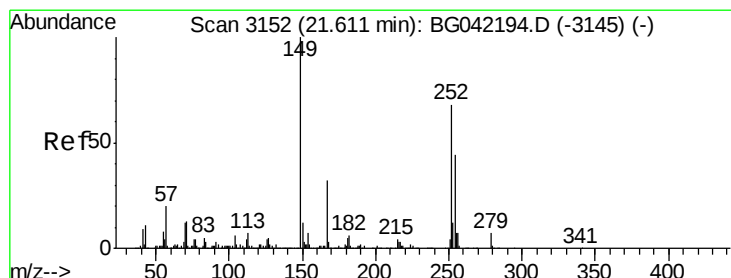
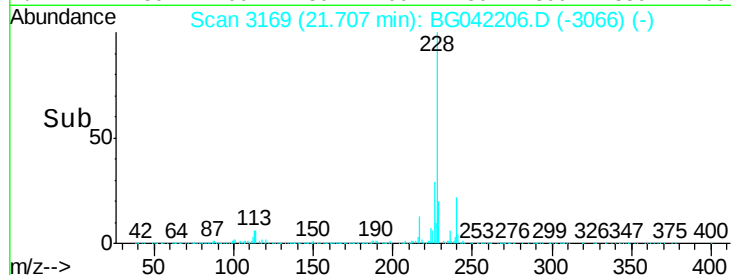
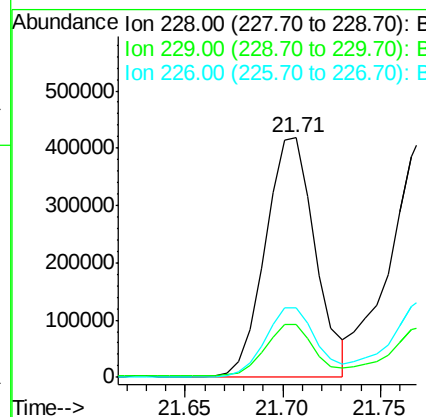
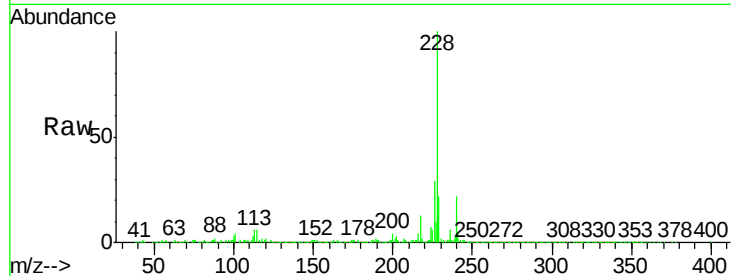
#82
Benzo(a)anthracene
Concen: 21.836 ng/ul
RT: 21.71 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampled :
CB5P3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	739958		
229	21.9		17.0	25.6
226	29.1		23.3	34.9

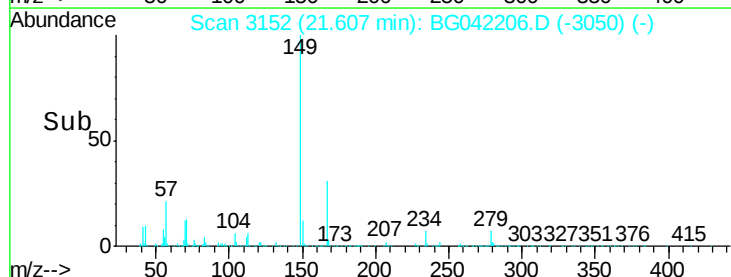
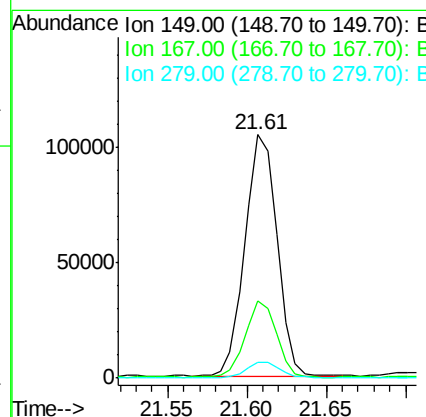
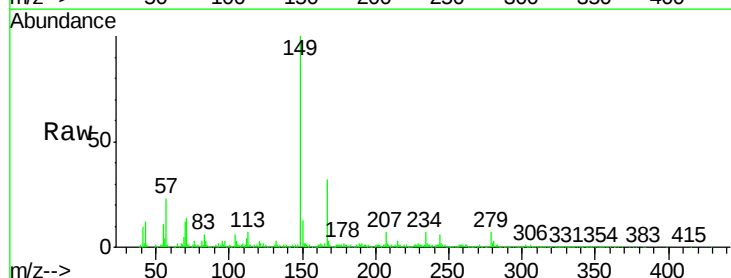
Manual Integrations
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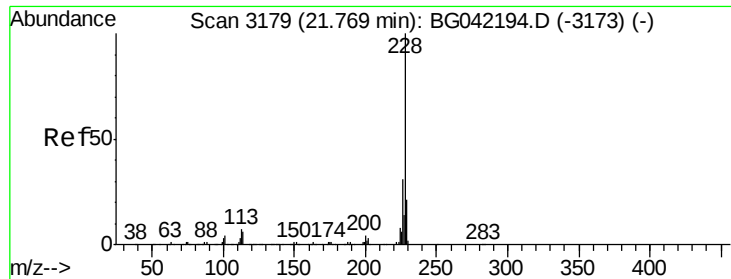
mohammad
8/15/2019 5:11:53 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 8.324 ng/ul
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	146973		
167	31.8		25.0	37.4
279	6.7		5.2	7.8





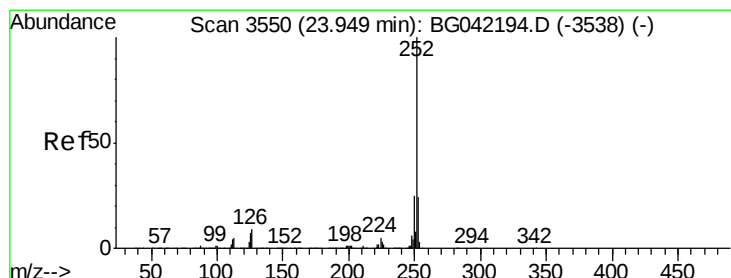
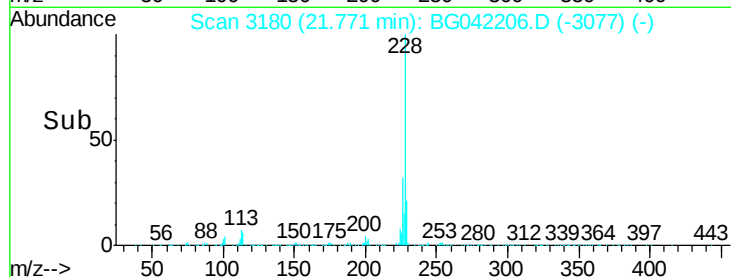
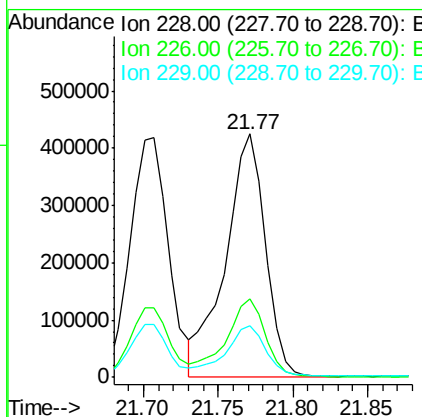
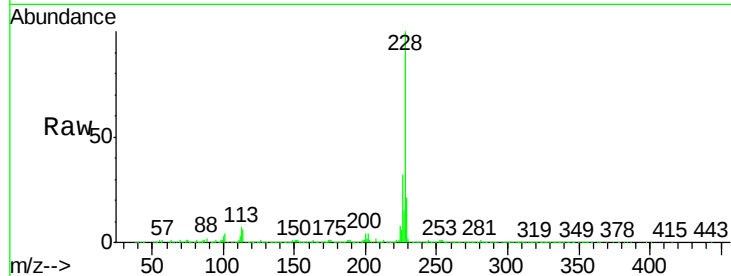
#84
Chrysene
Concen: 24.976 ng/ul
RT: 21.77 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampled :
CB5P3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.7	38.5
229	21.3	16.6	24.8

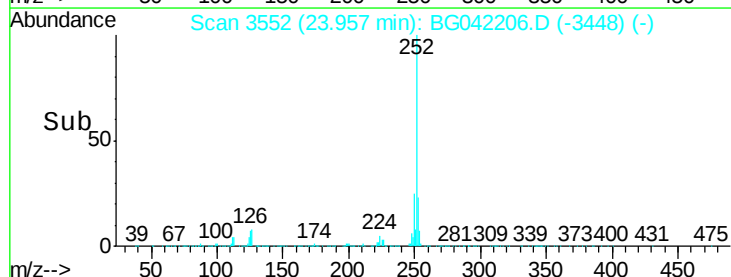
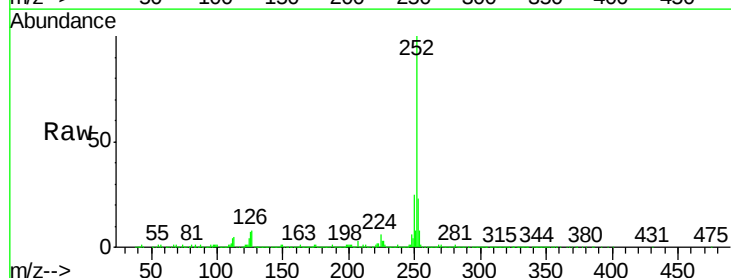
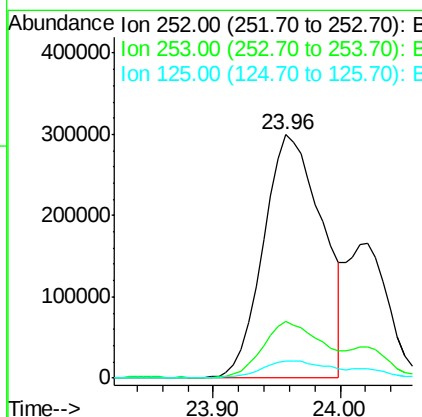
Manual Integrations
APPROVED

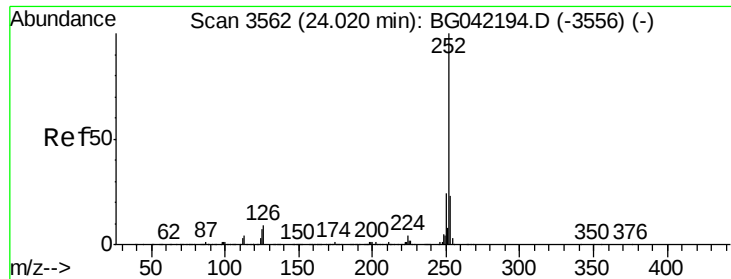
mohammad
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#87
Benzo(b)fluoranthene
Concen: 25.562 ng/ul
RT: 23.96 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	7.2	5.8	8.8





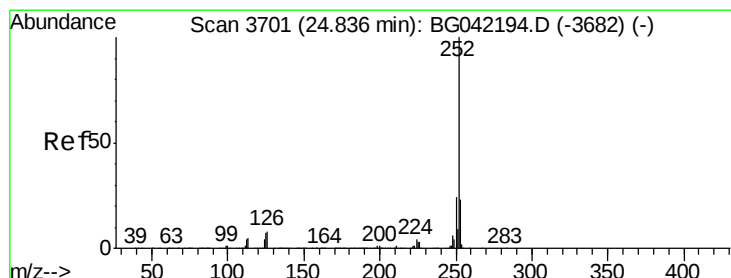
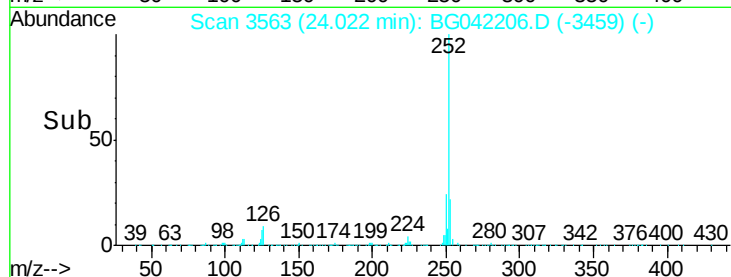
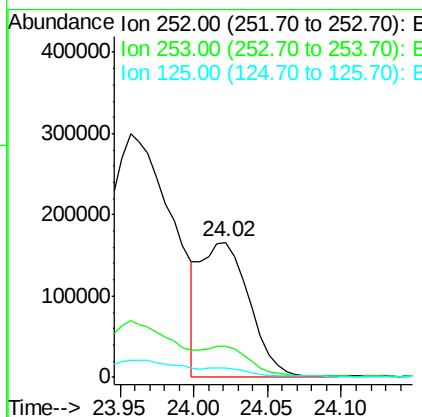
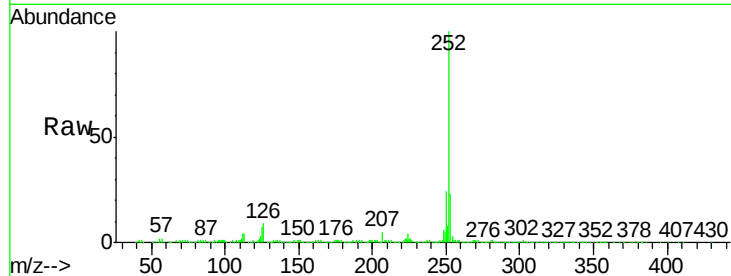
#88
Benzo(k)fluoranthene
Concen: 10.655 ng/ul m
RT: 24.02 min Scan# 3563
Delta R.T. 0.01 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampleId :
CB5P3

Tot Ion:	252	Resp:	383662
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.3	27.5
125	7.2	5.5	8.3

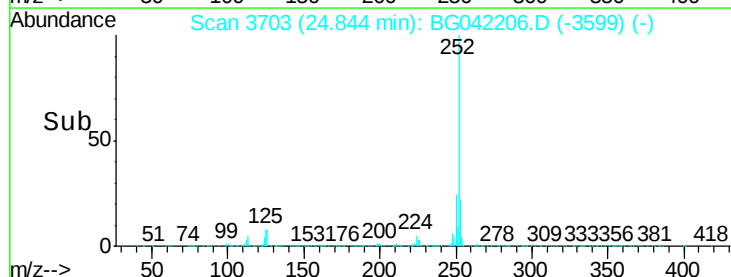
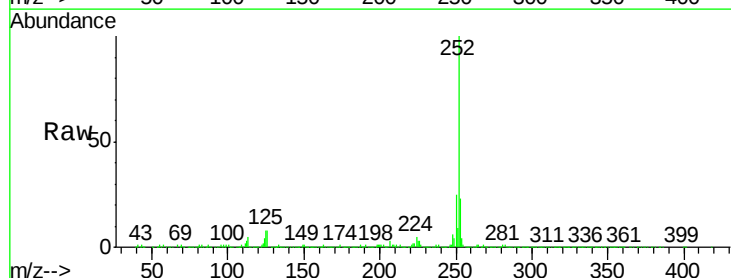
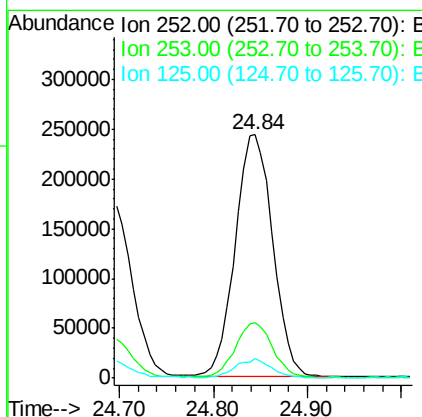
Manual Integrations
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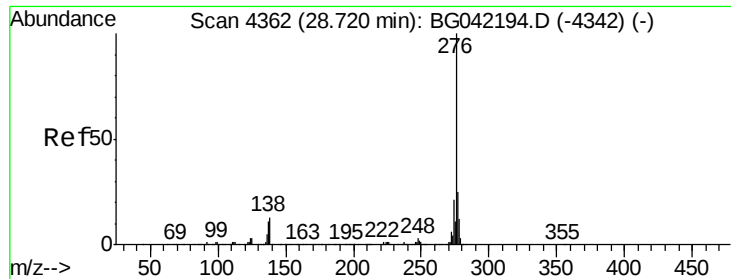
mohammad
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#90
Benzo(a)pyrene
Concen: 18.902 ng/ul
RT: 24.84 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion:	252	Resp:	674547
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.3	27.5
125	7.9	6.5	9.7





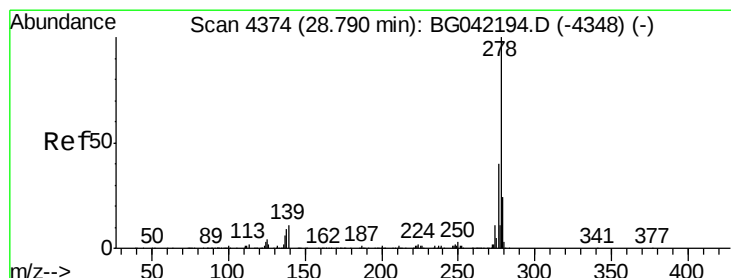
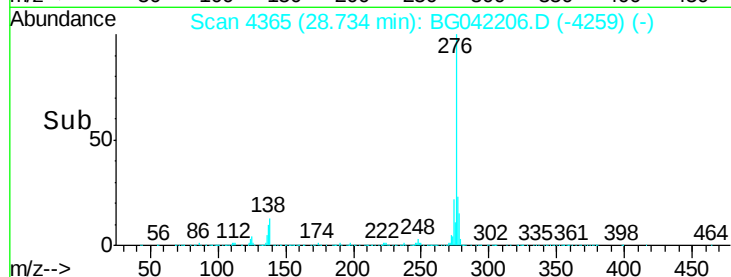
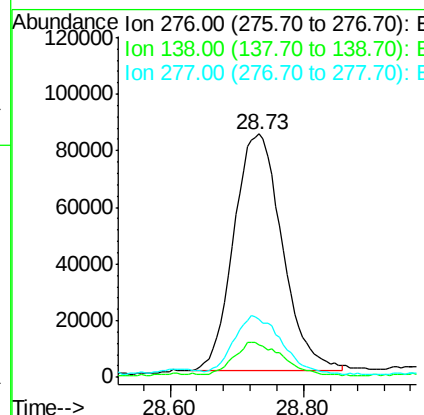
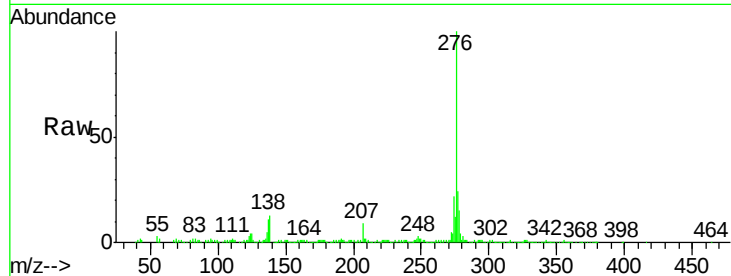
#91
Indeno(1,2,3-cd)pyrene
Concen: 10.065 ng/ul
RT: 28.73 min Scan# 4365
Delta R.T. 0.02 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampled :
CB5P3

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	12.0	18.0
277	23.7	19.2	28.8

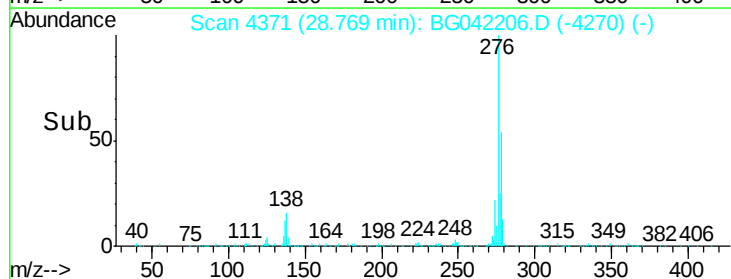
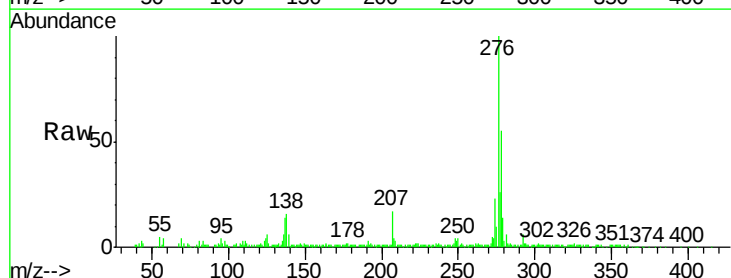
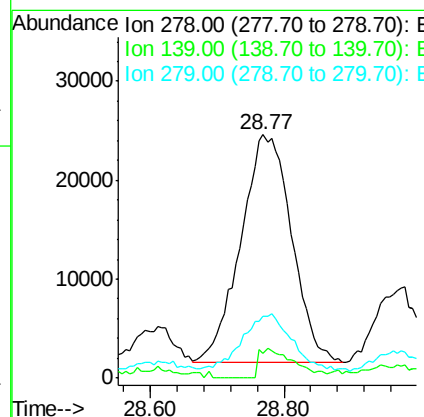
Manual Integrations
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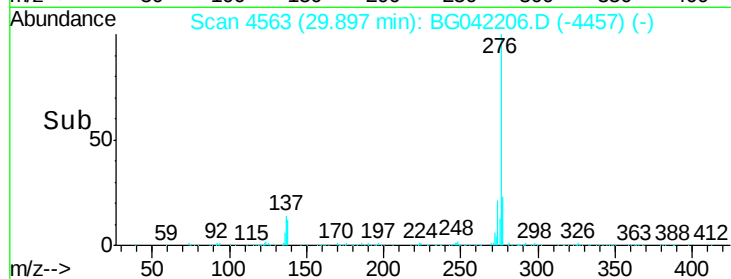
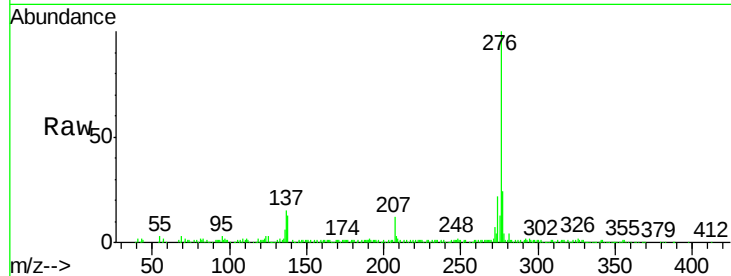
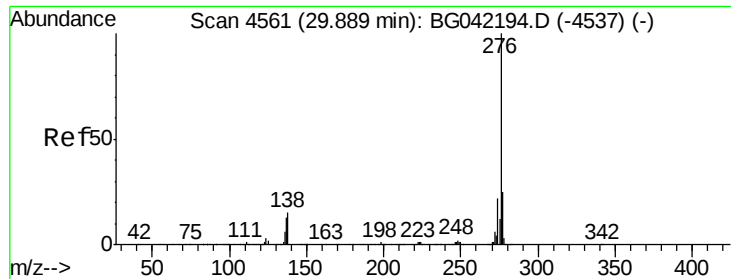
mohammad
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#92
Dibenzo(a,h)anthracene
Concen: 3.583 ng/ul
RT: 28.77 min Scan# 4371
Delta R.T. -0.01 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.4	14.0
279	25.6	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 9.964 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Tot Ion:	276	Resp:	346274
Ion Ratio	Lower	Upper	
276	100		
138	13.3	12.6	18.8
277	24.2	19.2	28.8

Instrument :

BNA_G

ClientSampleId :

CB5P3

Manual Integrations
APPROVED

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