

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041907.D
 Acq On : 3 Aug 2019 13:21
 Operator : HP/JU
 Sample : K3850-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP5

Manual Integrations
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Quant Time: Aug 04 01:34:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 04 00:02:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	99596	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	399800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	267040	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	530133	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	541921	20.00	ng/ul	0.02
85) Perylene-d12	25.02	264	621506	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	5358	2.35	ng/uL	0.00
5) Phenol-d5	7.18	99	131049	16.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	78867	18.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	125286	18.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	105379	16.06	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	62715	20.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	77289	22.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	138658	19.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	57188	7.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	427876	20.66	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	500903	21.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	47186	13.57	ng/ul	0.00
57) Fluorene-d10	15.69	176	375379	20.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.81	200	43740	12.86	ng/ul	0.01
70) Anthracene-d10	17.54	188	549990	21.62	ng/ul	0.00
78) Pyrene-d10	19.84	212	624072	20.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	696020	21.44	ng/ul	0.04

Target Compounds

					Ovalue
28) Naphthalene	10.91	128	48206	2.359 ng/ul	100
34) 2-Methylnaphthalene	12.52	142	35459	2.183 ng/ul	98
44) Dimethylphthalate	14.14	163	153394	7.459 ng/ul	99
49) Acenaphthene	14.76	153	68634	4.111 ng/ul	99
53) Dibenzofuran	15.09	168	39291	1.577 ng/ul	94
56) Diethylphthalate	15.51	149	185928	9.089 ng/ul	99
58) Fluorene	15.74	166	76335	3.803 ng/ul	97
69) Phenanthrene	17.49	178	1176784	40.548 ng/ul	96
71) Anthracene	17.58	178	307117	10.434 ng/ul	99
74) Carbazole	17.84	167	54719	2.244 ng/ul	95
75) Di-n-butylphthalate	18.41	149	60929	2.027 ng/ul	98
76) Fluoranthene	19.51	202	1900642	56.680 ng/ul	97
79) Pyrene	19.87	202	2425995m	66.552 ng/ul	
82) Benzo(a)anthracene	21.72	228	1674316	44.560 ng/ul	92
83) Bis(2-ethylhexyl)phthalate	21.63	149	2621128	133.889 ng/ul#	81
84) Chrysene	21.79	228	1810513	51.626 ng/ul#	92
86) Di-n-octyl phthalate	22.86	149	236671	7.697 ng/ul	100
87) Benzo(b)fluoranthene	23.98	252	1878213	48.156 ng/ul	98
88) Benzo(k)fluoranthene	24.05	252	585139m	15.603 ng/ul	
90) Benzo(a)pyrene	24.87	252	1473256	39.639 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	28.77	276	667556	15.399 ng/ul	97
92) Dibenzo(a,h)anthracene	28.81	278	202551	5.728 ng/ul	92
93) Benzo(g,h,i)perylene	29.94	276	616365m	17.030 ng/ul	

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

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

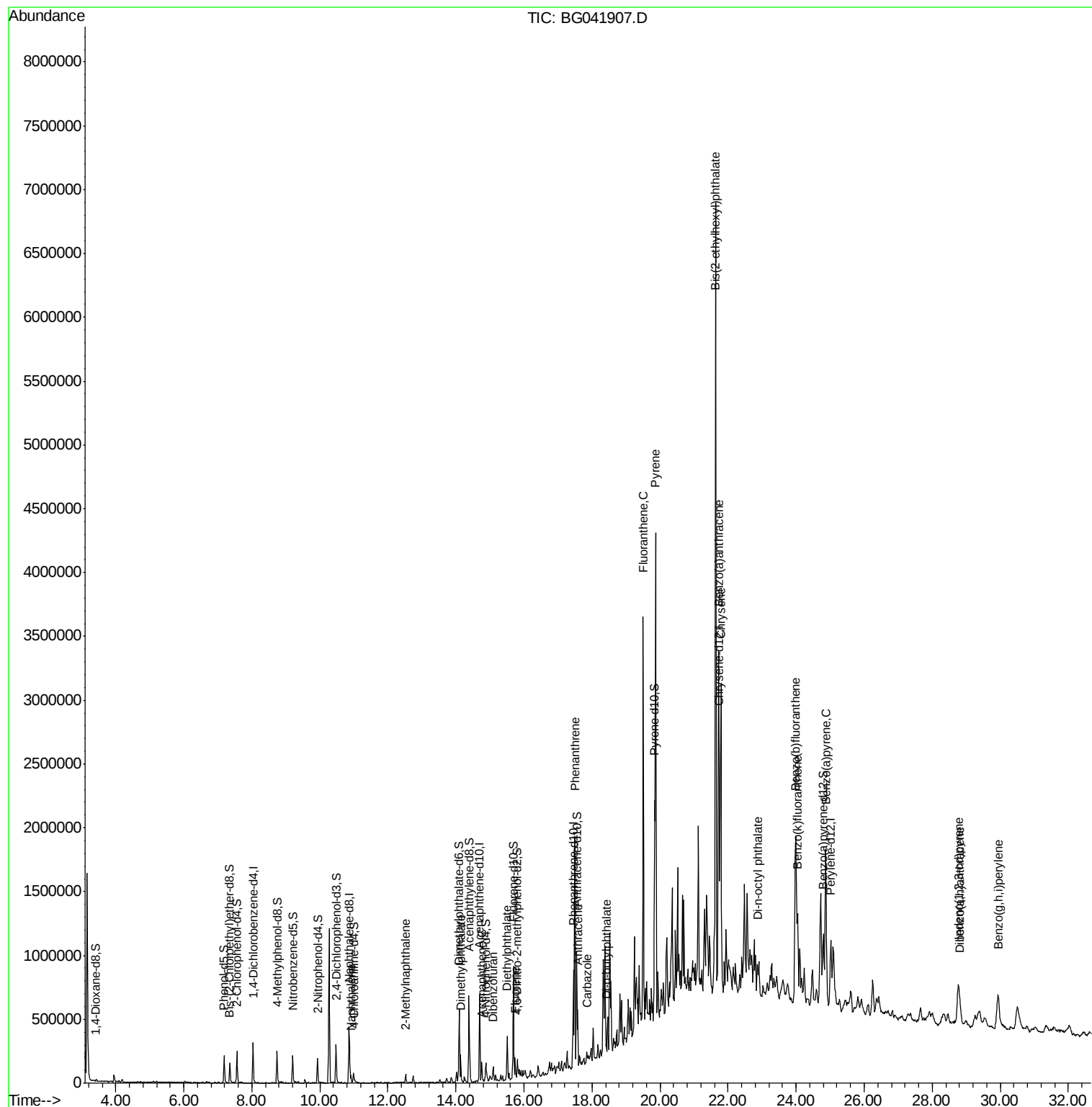
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
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Operator : HP/JU
Sample : K3850-06
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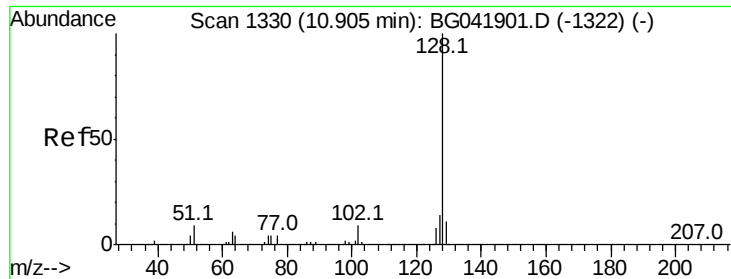
Instrument :
BNA_G
ClientSampleId :
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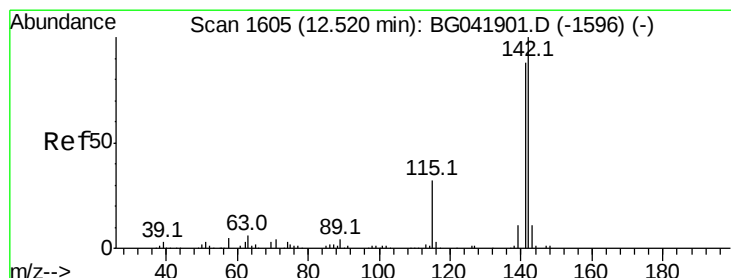
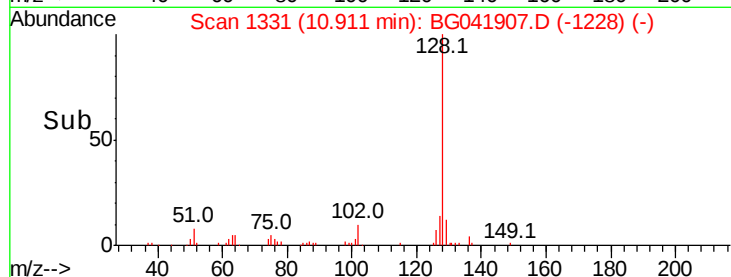
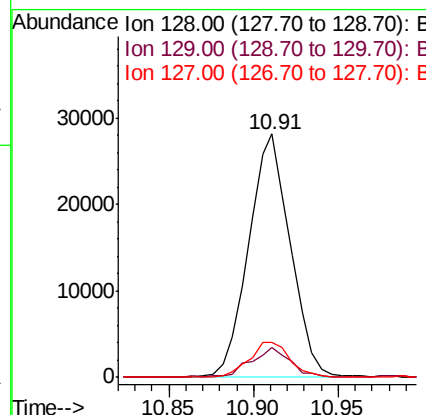
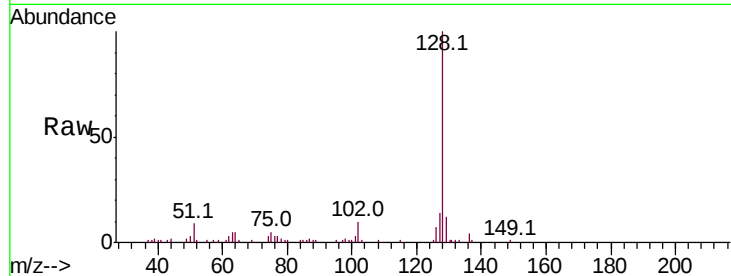
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Naphthalene
Concen: 2.359 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Instrument :
BNA_G
ClientSampleId :
BENP5

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.5	14.3
127	14.2	11.4	17.0

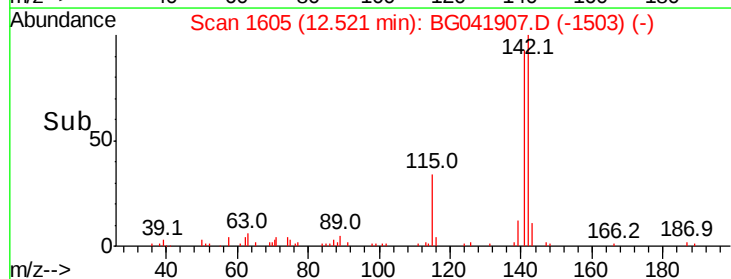
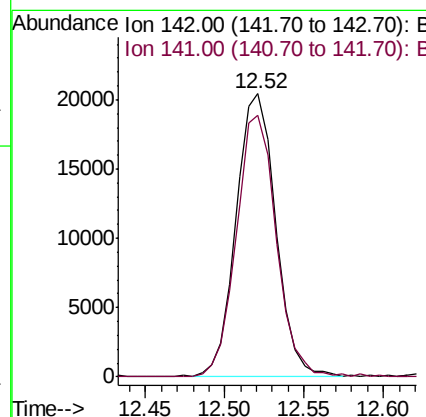
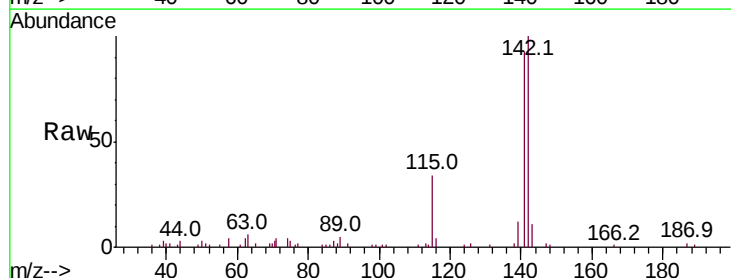
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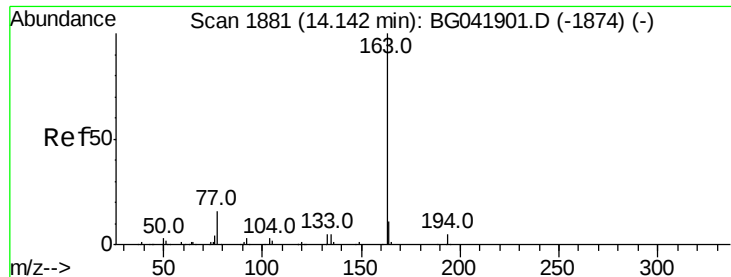
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#34
2-Methylnaphthalene
Concen: 2.183 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.9	109.3





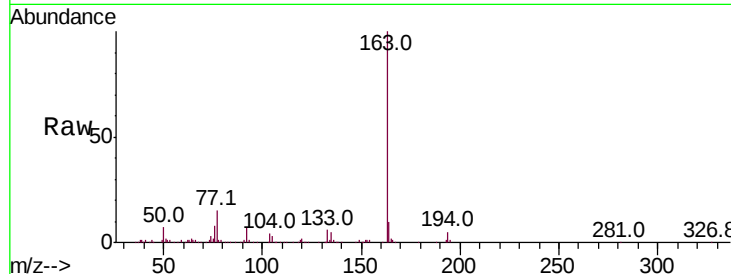
#44
Dimethylphthalate
Concen: 7.459 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.00 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Instrument :
BNA_G
ClientSampled :
BENP5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	153394		
194	5.0		4.2	6.2
164	10.3		7.8	11.8

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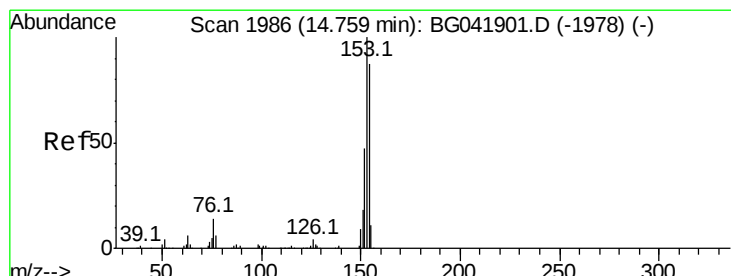
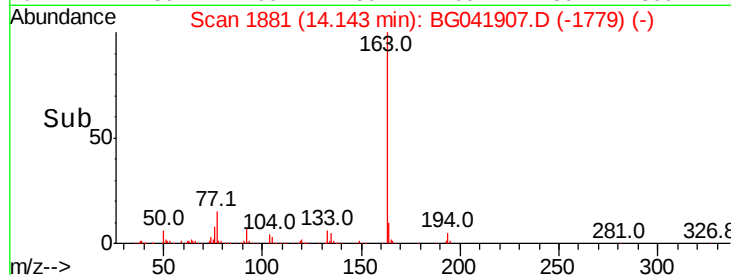
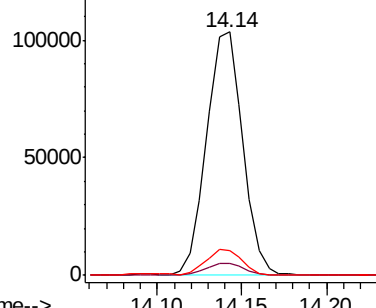


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 4.111 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

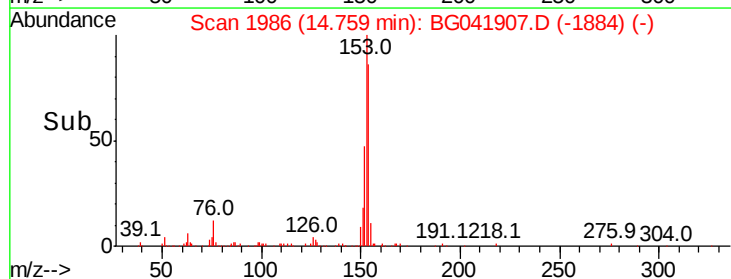
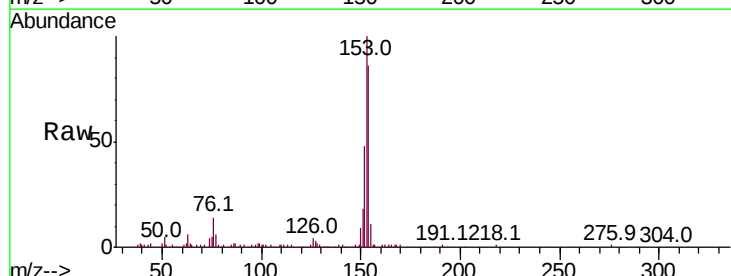
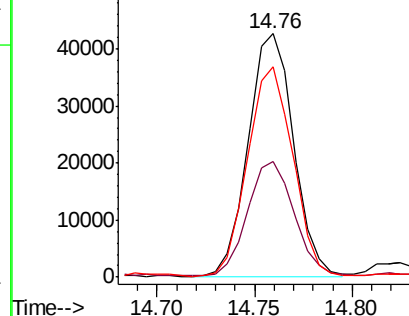
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	68634		
152	47.5		37.8	56.8
154	86.1		69.4	104.2

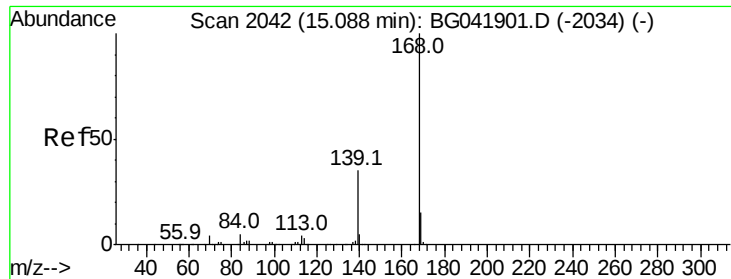
Abundance

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





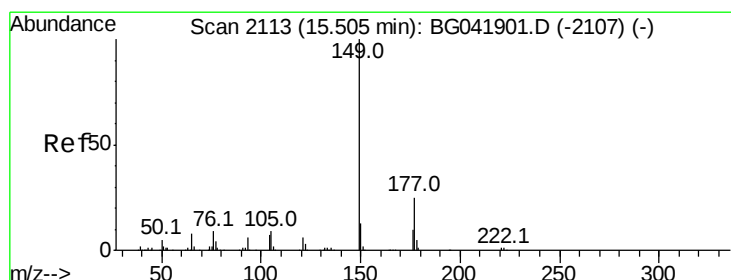
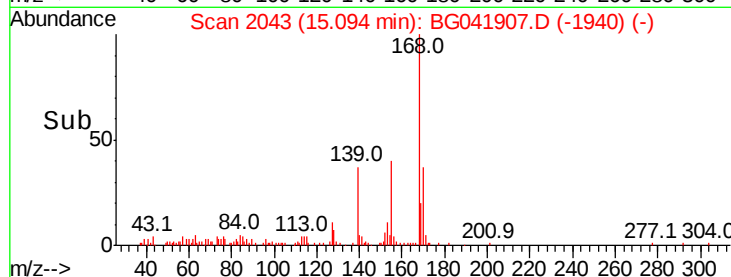
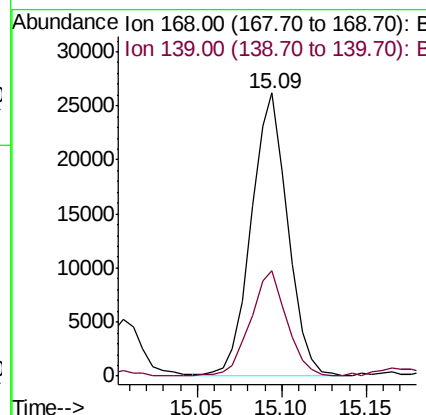
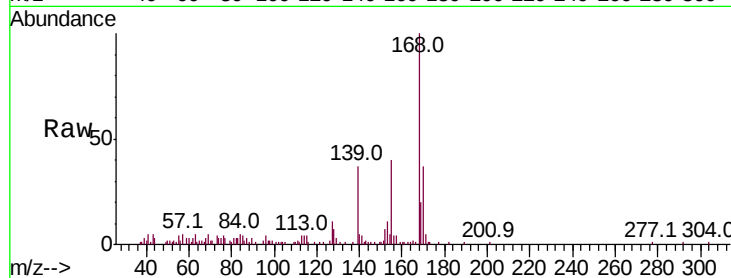
#53
Dibenzenofuran
Concen: 1.577 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Instrument :
BNA_G
ClientSampleId :
BENP5

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	27.3	40.9

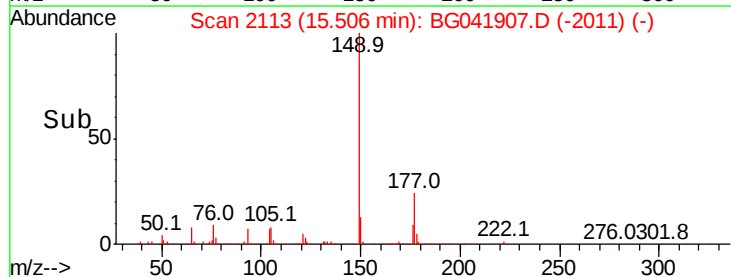
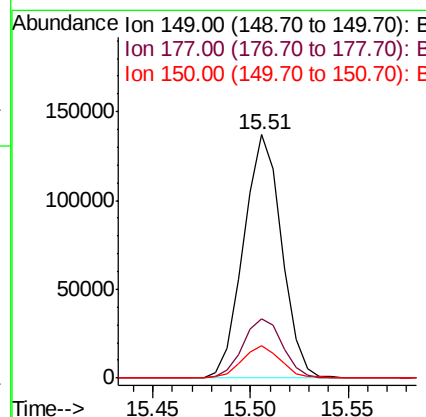
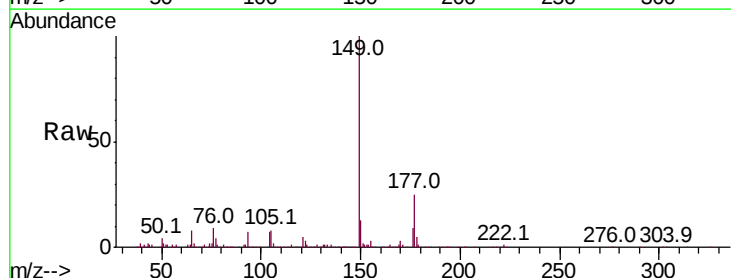
Manual Integrations
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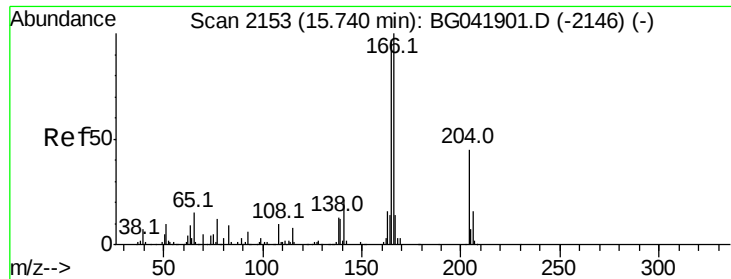
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#56
Diethylphthalate
Concen: 9.089 ng/ul
RT: 15.51 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.5	19.4	29.2
150	13.3	10.2	15.4





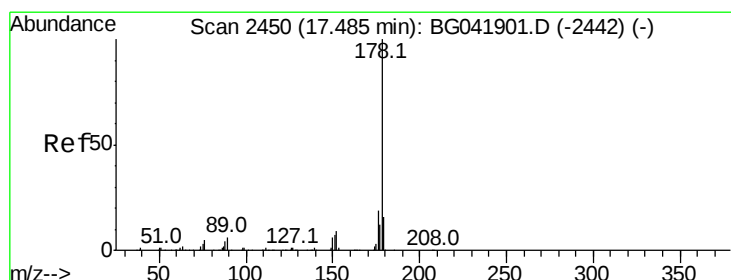
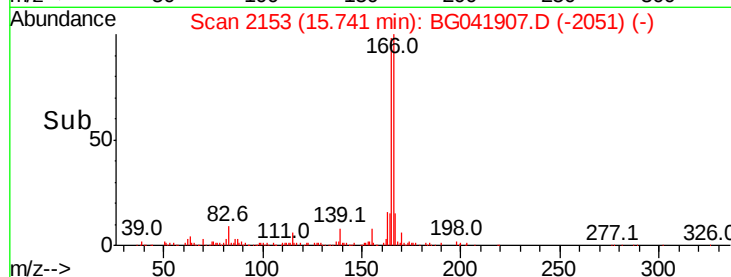
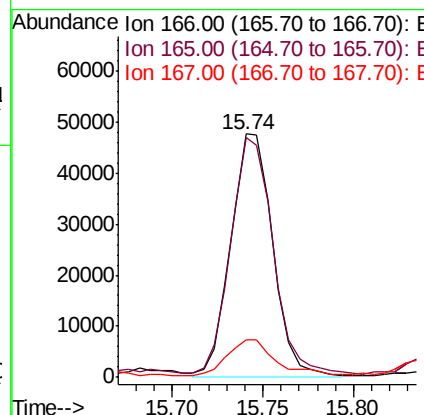
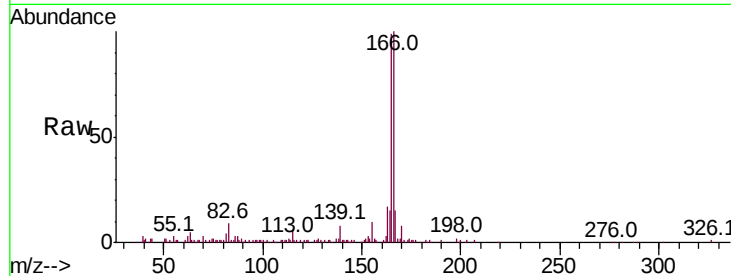
#58
 Fluorene
 Concen: 3.803 ng/ul
 RT: 15.74 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BG041907.D
 Acq: 3 Aug 2019 13:21

Instrument :
 BNA_G
 ClientSampleId :
 BENP5

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	81.1	121.7
167	15.2	11.0	16.4

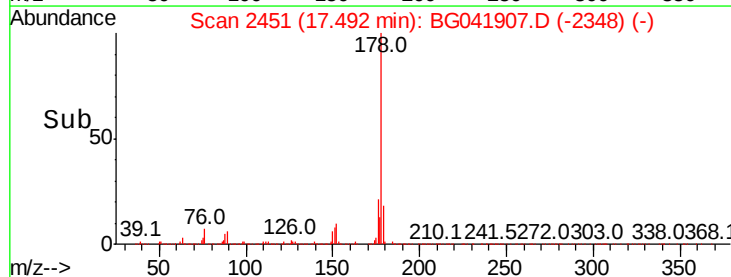
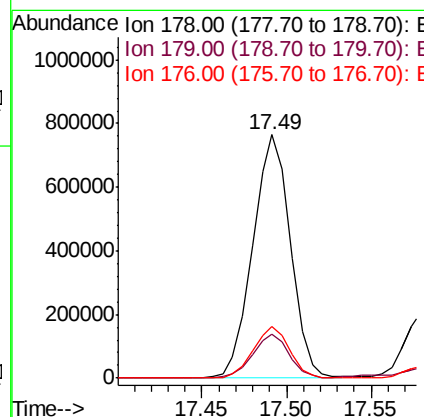
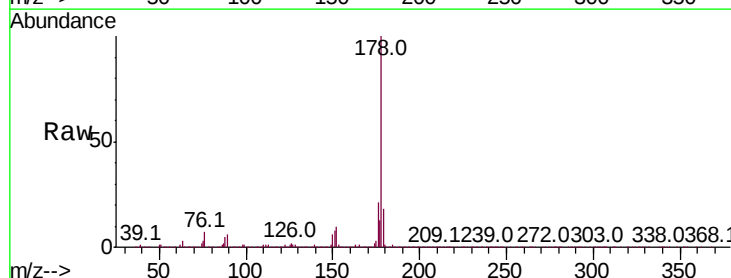
Manual Integrations
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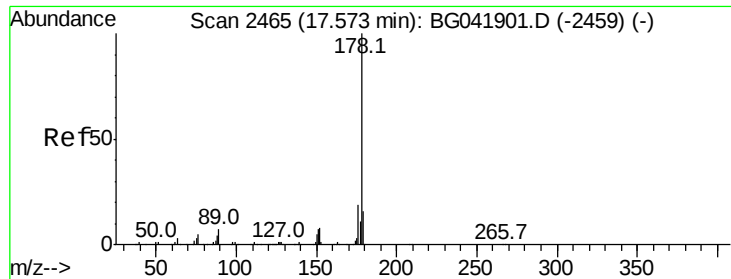
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#69
 Phenanthrene
 Concen: 40.548 ng/ul
 RT: 17.49 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BG041907.D
 Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.8	19.2
176	21.1	15.4	23.2





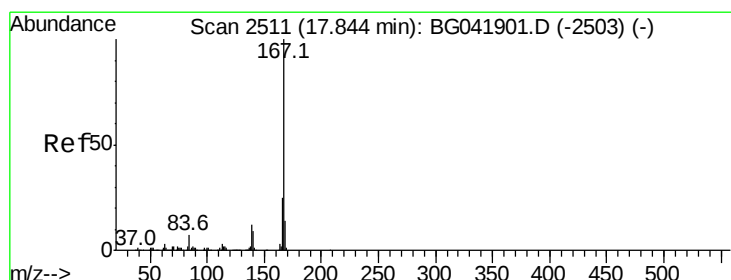
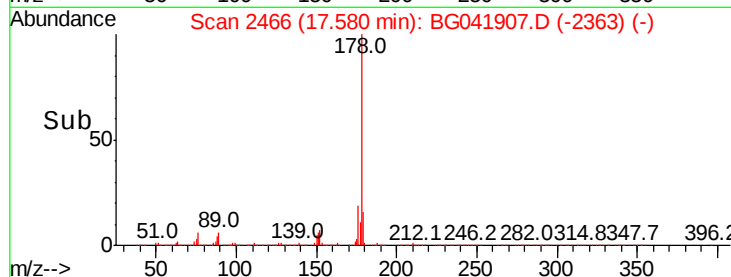
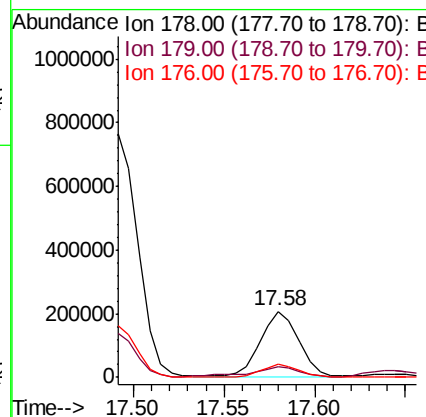
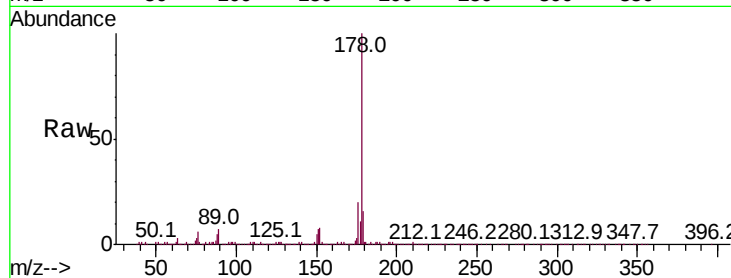
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 Anthracene
 Concen: 10.434 ng/ul
 RT: 17.58 min Scan# 2466
 Delta R.T. 0.01 min
 Lab File: BG041907.D
 Acq: 3 Aug 2019 13:21

Instrument :
 BNA_G
 ClientSampled :
 BENP5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.4	20.0
176	19.5	15.4	23.2

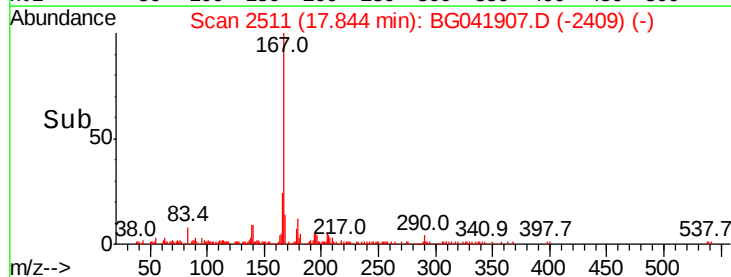
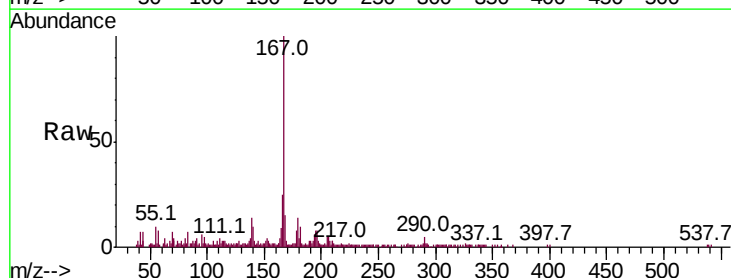
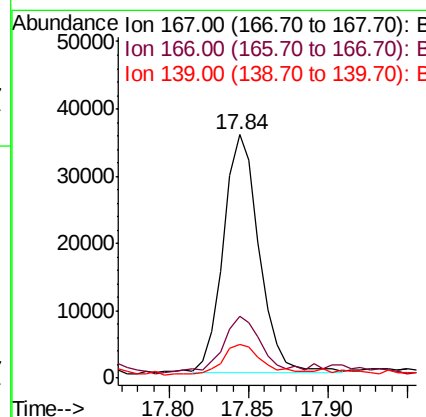
Manual Integrations
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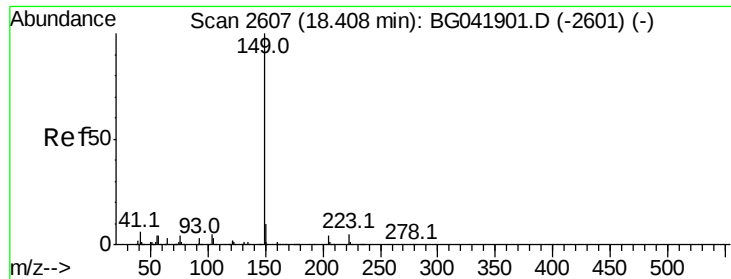
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#74
 Carbazole
 Concen: 2.244 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG041907.D
 Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.4	18.2	27.4
139	13.8	9.6	14.4





#75

Di-n-butylphthalate

Concen: 2.027 ng/ul

RT: 18.41 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Instrument :

BNA_G

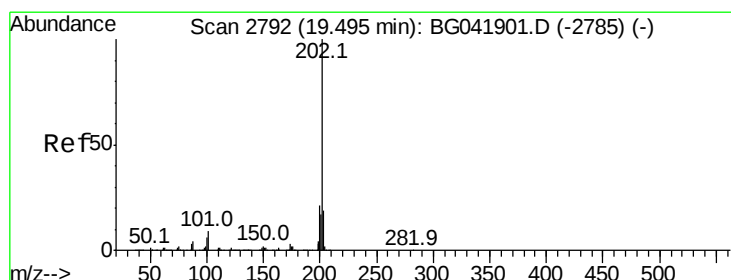
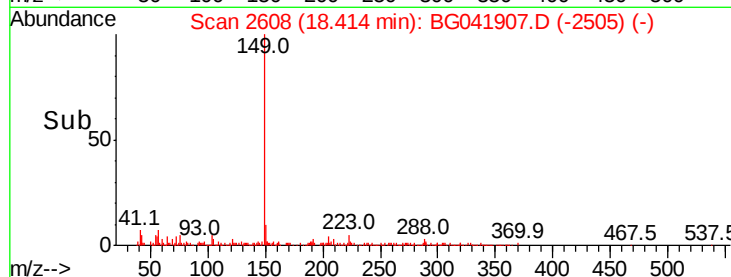
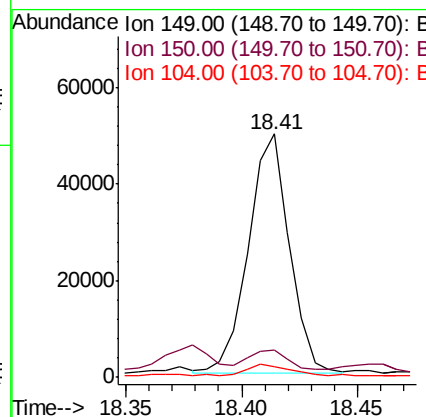
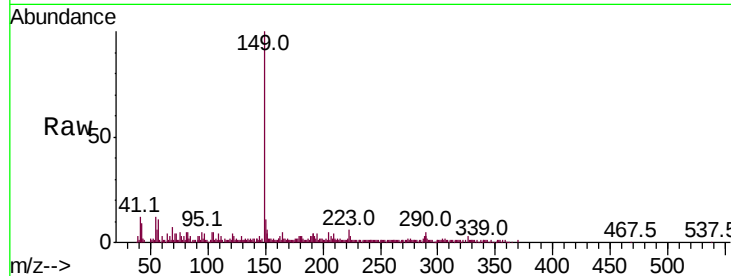
ClientSampleId :

BENP5

Tot Ion:	149	Resp:	60929
Ion Ratio	Lower	Upper	
149	100		
150	11.4	8.3	12.5
104	4.5	3.9	5.9

Manual Integrations
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#76

Fluoranthene

Concen: 56.680 ng/ul

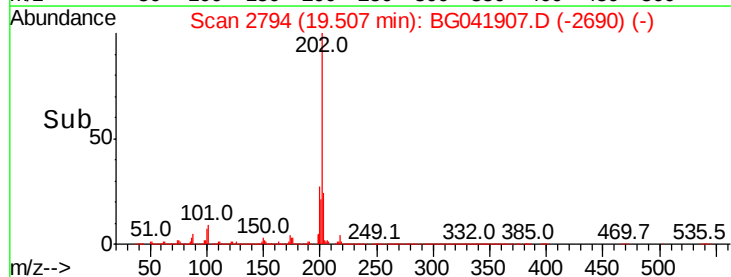
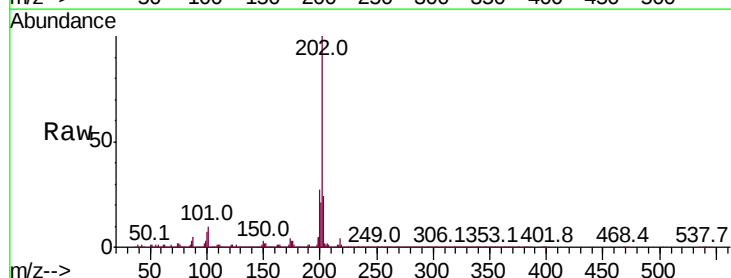
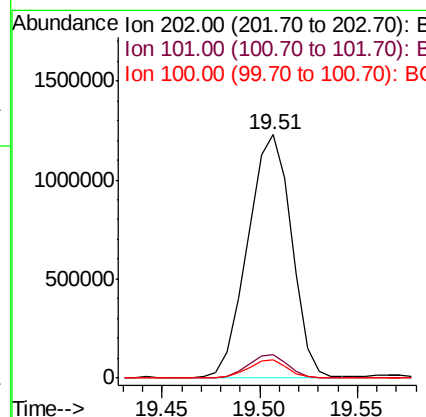
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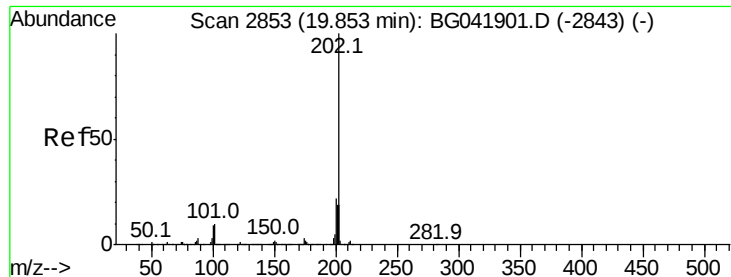
Delta R.T. 0.01 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Tgt Ion:	202	Resp:	1900642
Ion Ratio	Lower	Upper	
202	100		
101	9.5	6.7	10.1
100	7.4	5.3	7.9





#79

Pvrene

Concen: 66.552 ng/ul m

RT: 19.87 min Scan# 2856

Delta R.T. 0.02 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Instrument :

BNA_G

ClientSampleId :

BENP5

Tot Ion:202 Resp: 2425995

Ion Ratio Lower Upper

202 100

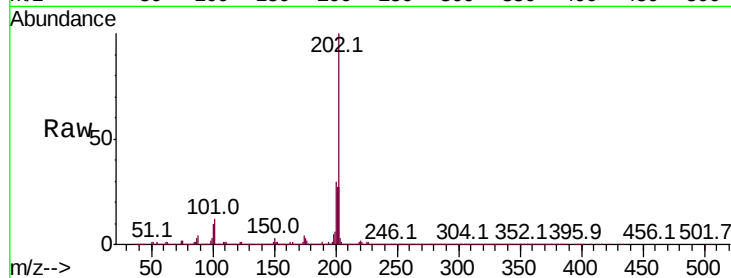
101 11.9 7.6 11.4#

100 9.7 6.5 9.7#

Manual Integrations
APPROVED

mohammad

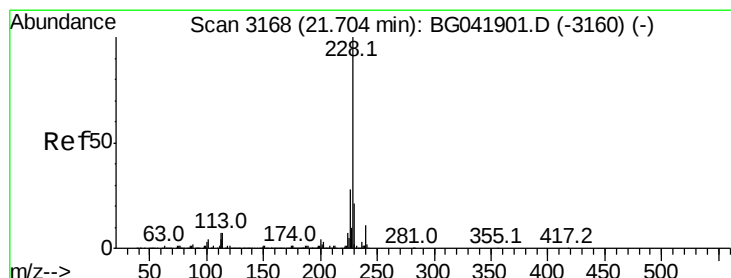
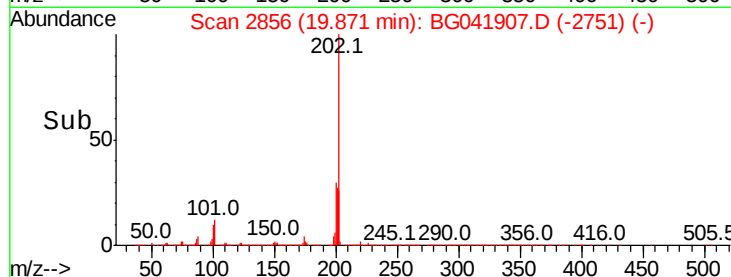
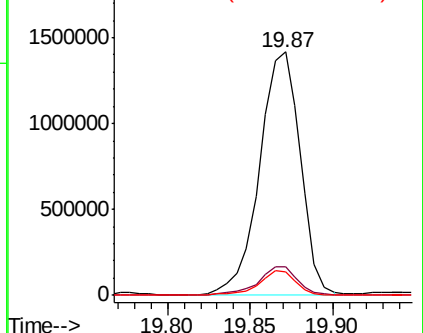
8/6/2019 12:17:54 PM



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



#82

Benzo(a)anthracene

Concen: 44.560 ng/ul

RT: 21.72 min Scan# 3171

Delta R.T. 0.02 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

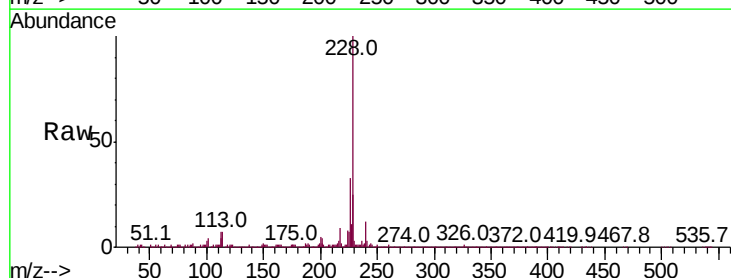
Tgt Ion:228 Resp: 1674316

Ion Ratio Lower Upper

228 100

229 25.4 17.0 25.6

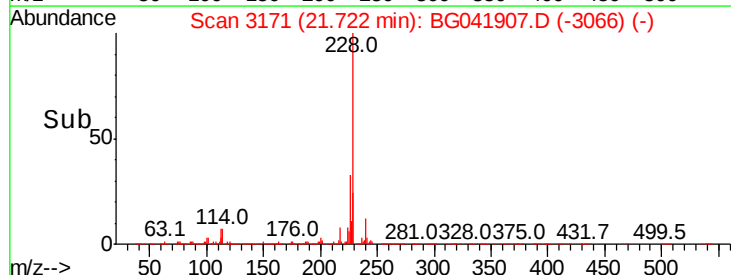
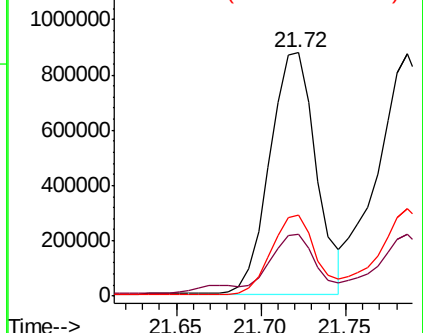
226 33.4 23.3 34.9

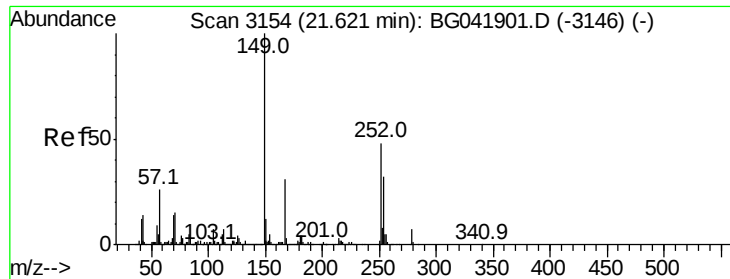


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 133.889 ng/ul

RT: 21.63 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Instrument :

BNA_G

ClientSampleId :

BENP5

Tot Ion:149 Resp: 2621128

Ion Ratio Lower Upper

149 100

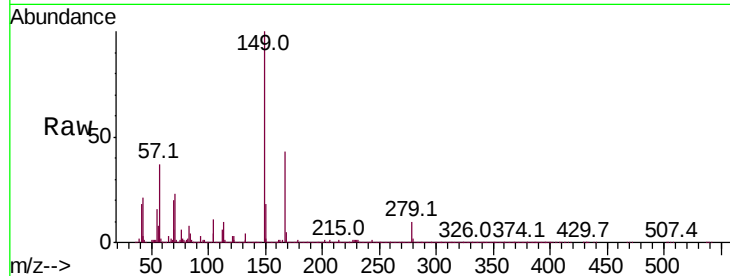
167 42.5 25.0 37.4#

279 10.2 5.2 7.8#

Manual Integrations
APPROVED

mohammad

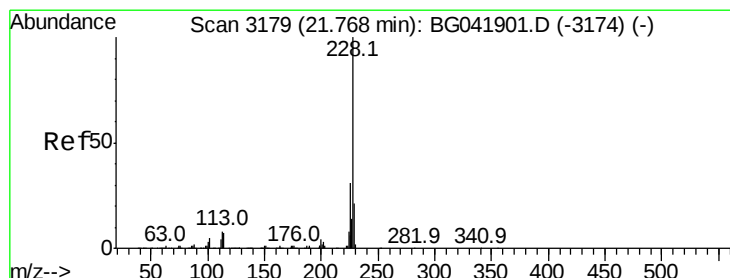
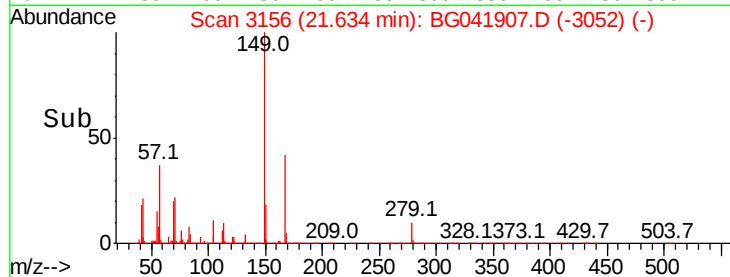
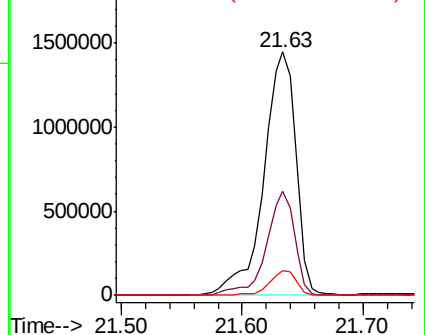
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 51.626 ng/ul

RT: 21.79 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Tgt Ion:228 Resp: 1810513

Ion Ratio Lower Upper

228 100

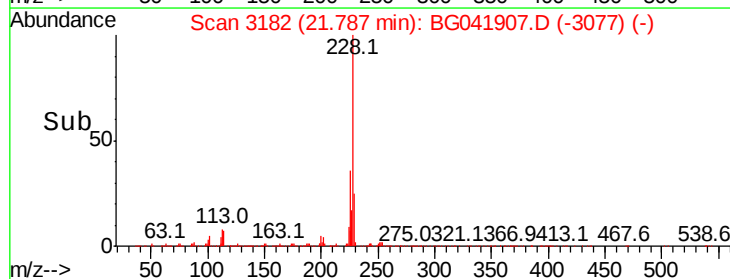
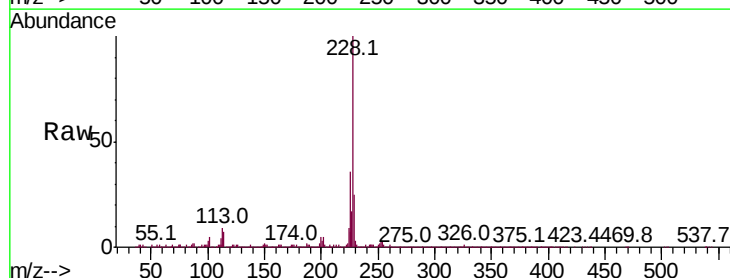
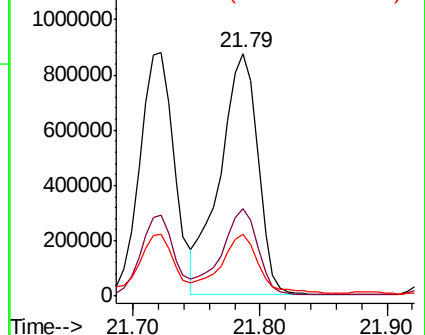
226 36.2 25.7 38.5

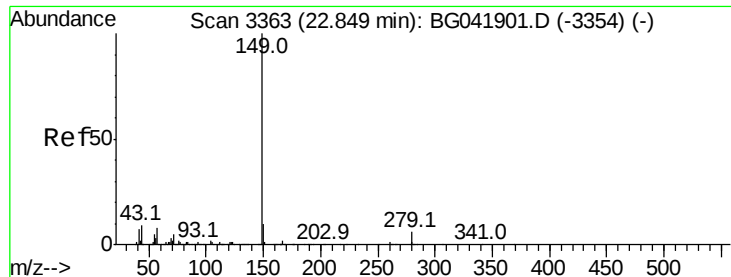
229 25.4 16.6 24.8#

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 7.697 ng/ul

RT: 22.86 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

Instrument :

BNA_G

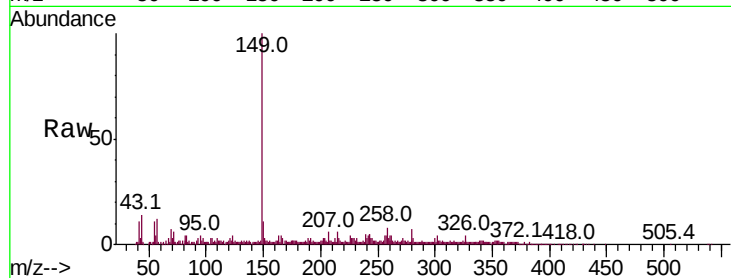
ClientSampleId :

BENP5

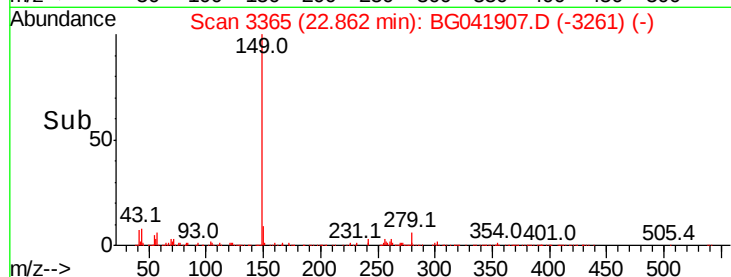
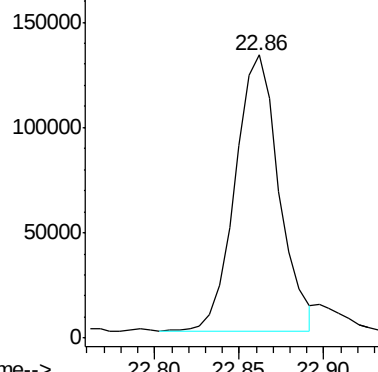
Tgt Ion:149 Resp: 236671

Manual Integrations
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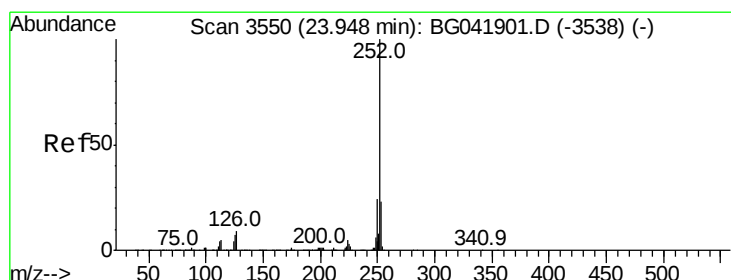
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 48.156 ng/ul

RT: 23.98 min Scan# 3556

Delta R.T. 0.04 min

Lab File: BG041907.D

Acq: 3 Aug 2019 13:21

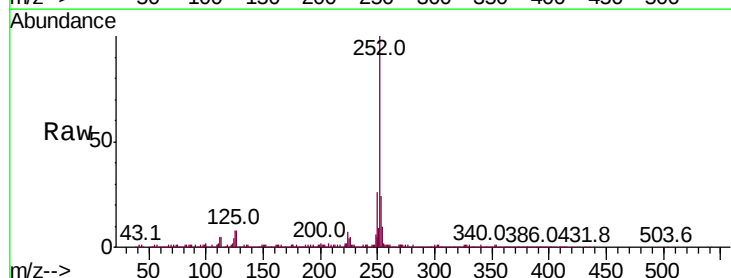
Tgt Ion:252 Resp: 1878213

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	7.5	5.8	8.8

252 100

253 24.5 18.4 27.6

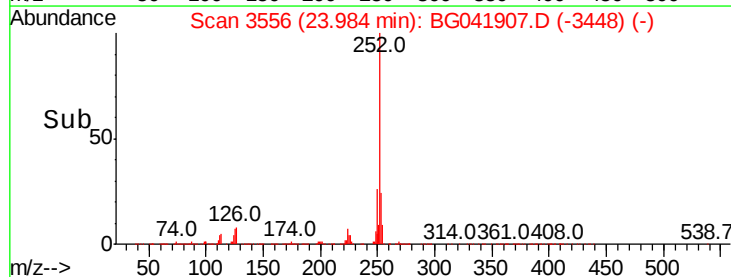
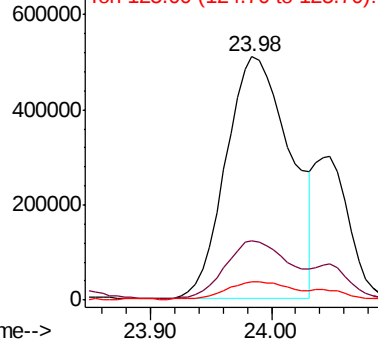
125 7.5 5.8 8.8



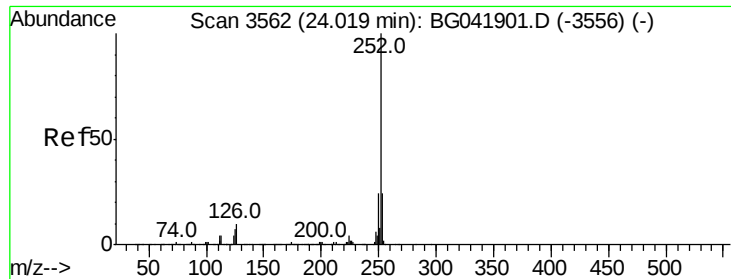
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



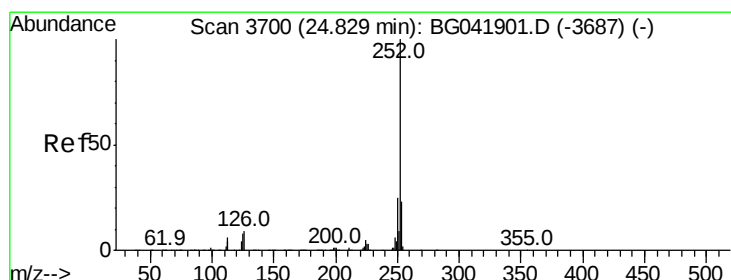
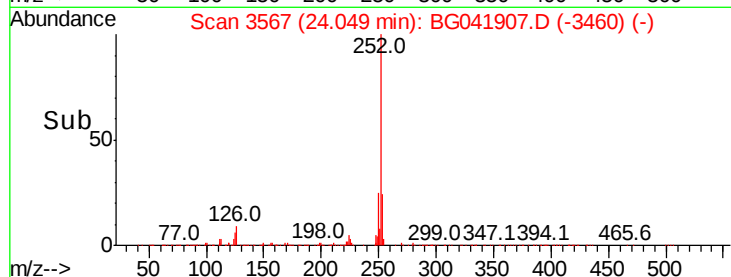
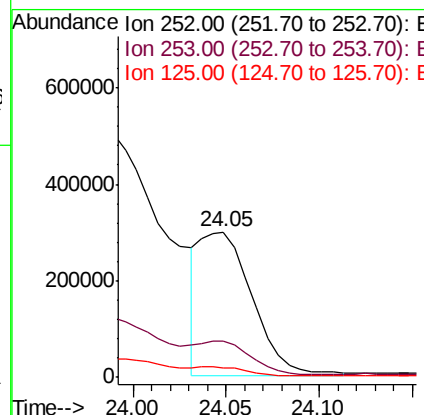
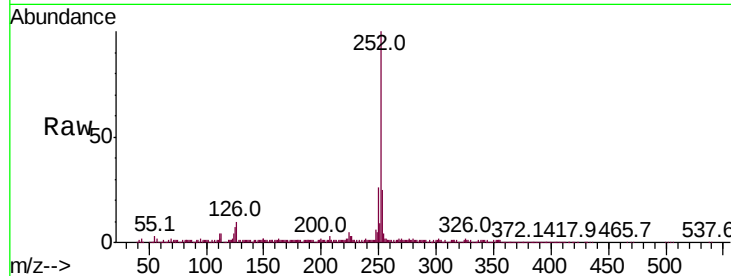
#88
Benzo(k)fluoranthene
Concen: 15.603 ng/ul m
RT: 24.05 min Scan# 3567
Delta R.T. 0.03 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Instrument :
BNA_G
ClientSampleId :
BENP5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.3	27.5
125	6.8	5.5	8.3

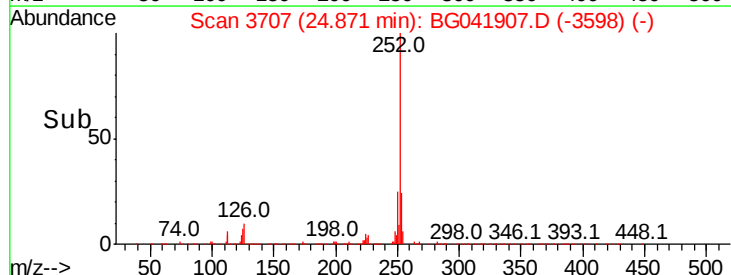
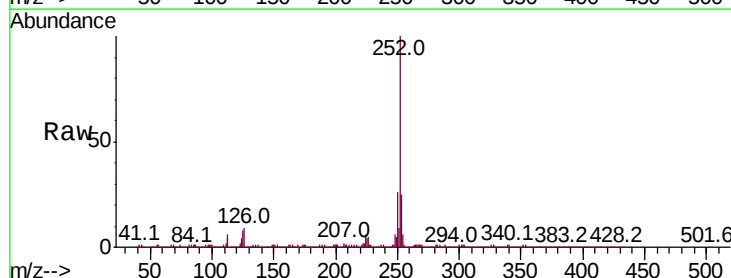
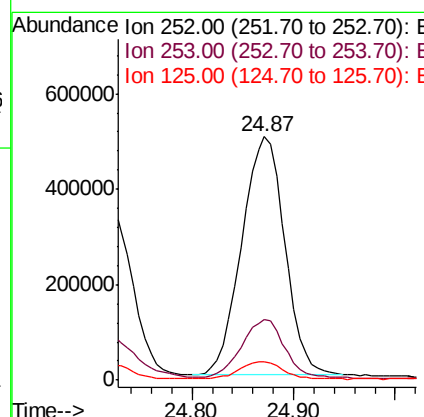
Manual Integrations
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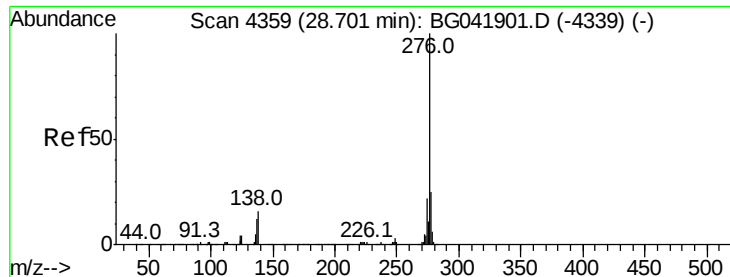
mohammad
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#90
Benzo(a)pyrene
Concen: 39.639 ng/ul
RT: 24.87 min Scan# 3707
Delta R.T. 0.04 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.3	27.5
125	7.5	6.5	9.7





#91

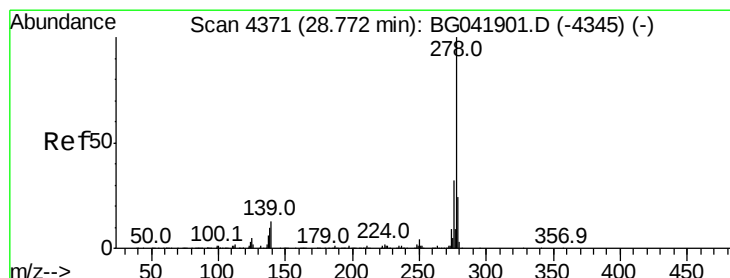
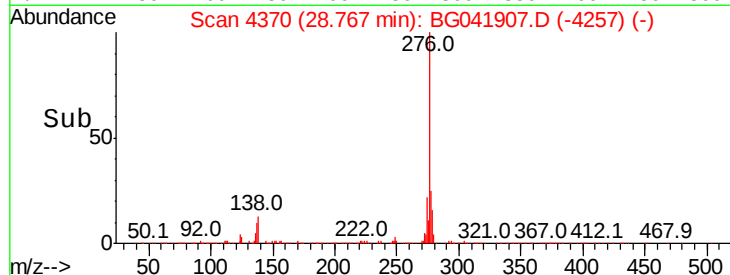
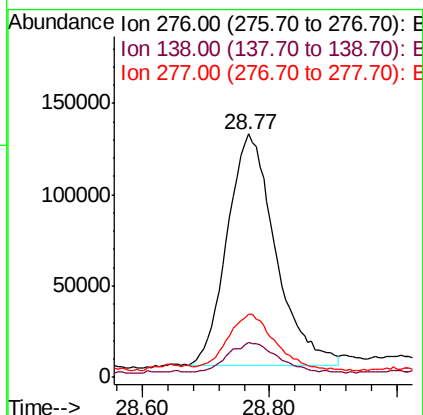
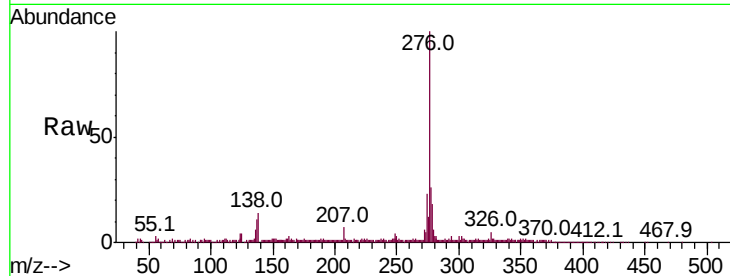
Indeno(1,2,3-cd)pyrene
Concen: 15.399 ng/ul
RT: 28.77 min Scan# 4370
Delta R.T. 0.07 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Instrument :
BNA_G
ClientSampleId :
BENP5

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.0	18.0
277	26.0	19.2	28.8

Manual Integrations
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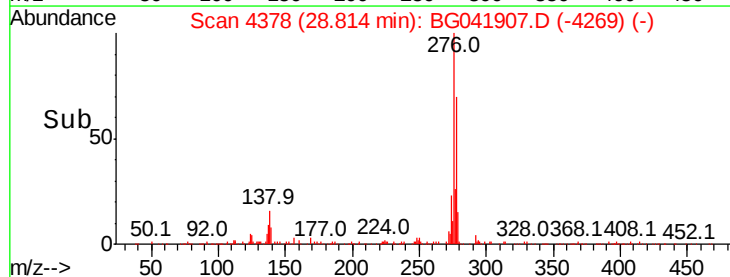
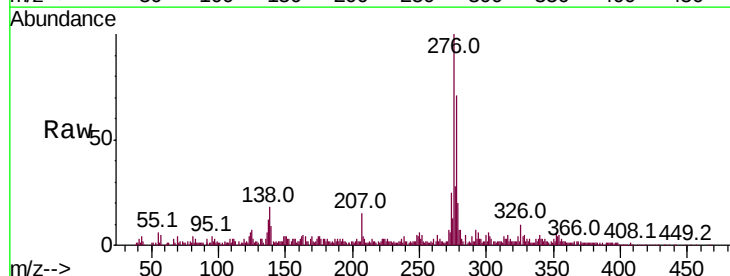
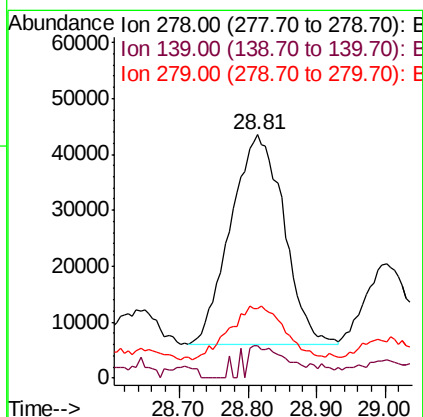
mohammad
8/6/2019 12:17:54 PM

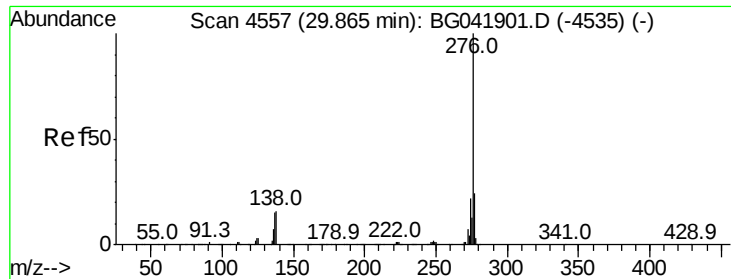


#92

Dibenzo(a,h)anthracene
Concen: 5.728 ng/ul
RT: 28.81 min Scan# 4378
Delta R.T. 0.04 min
Lab File: BG041907.D
Acq: 3 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.4	9.4	14.0
279	28.6	19.2	28.8





#93
 Benzo(a,h,i)perylene
 Concen: 17.030 ng/ul m
 RT: 29.94 min Scan# 4570
 Delta R.T. 0.08 min
 Lab File: BG041907.D
 Acq: 3 Aug 2019 13:21

Instrument :
 BNA_G
 ClientSampleId :
 BENP5

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.5	12.6	18.8
277	25.0	19.2	28.8

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:17:54 PM

