

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
 Data File : BG042029.D
 Acq On : 7 Aug 2019 13:42
 Operator : HP/JU
 Sample : K4028-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ2

Manual Integrations
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 8/7/2019 4:40:53 PM

Quant Time: Aug 07 16:09:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 12:00:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	78657	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	334436	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	236250	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	488268m	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	477854	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	573536	20.00	ng/ul	0.00

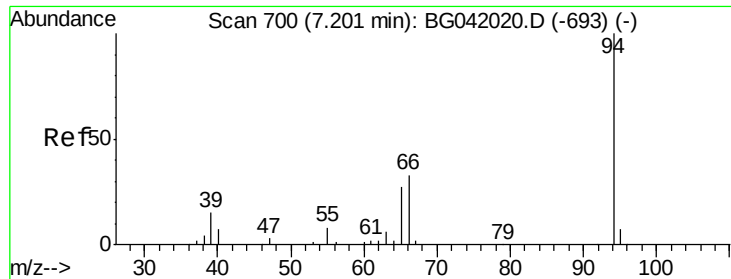
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4635	2.58	ng/uL	0.00
5) Phenol-d5	7.18	99	110076	17.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	57190	16.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	100403	19.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	87179	16.82	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	49969	19.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	60893	20.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	116325	19.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	99363	15.17	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	364305	19.88	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	428454	20.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	45226	14.70	ng/ul	0.00
57) Fluorene-d10	15.68	176	325420	19.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	45881m	14.65	ng/ul	0.00
70) Anthracene-d10	17.54	188	475846	20.31	ng/ul	0.00
78) Pyrene-d10	19.83	212	532213	19.96	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	607620	20.28	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.20	94	7914	1.242	ng/ul 97
44) Dimethylphthalate	14.13	163	134755	7.407	ng/ul 96
69) Phenanthrene	17.48	178	343314m	12.844	ng/ul
71) Anthracene	17.57	178	63492	2.342	ng/ul 97
74) Carbazole	17.84	167	42149	1.877	ng/ul 99
76) Fluoranthene	19.49	202	846009m	27.392	ng/ul
79) Pyrene	19.86	202	767886	23.890	ng/ul 98
82) Benzo(a)anthracene	21.70	228	446256	13.469	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.61	149	49363	2.860	ng/ul 98
84) Chrysene	21.77	228	486031	15.717	ng/ul 97
87) Benzo(b)fluoranthene	23.96	252	688654	19.133	ng/ul 100
88) Benzo(k)fluoranthene	24.02	252	229750m	6.639	ng/ul
90) Benzo(a)pyrene	24.84	252	469817	13.698	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	28.72	276	348287	8.706	ng/ul 97
92) Dibenzo(a,h)anthracene	28.78	278	97017m	2.973	ng/ul
93) Benzo(g,h,i)perylene	29.89	276	329642	9.870	ng/ul 98

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



#6

Phenol

Concen: 1.242 ng/ul

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Instrument :

BNA_G

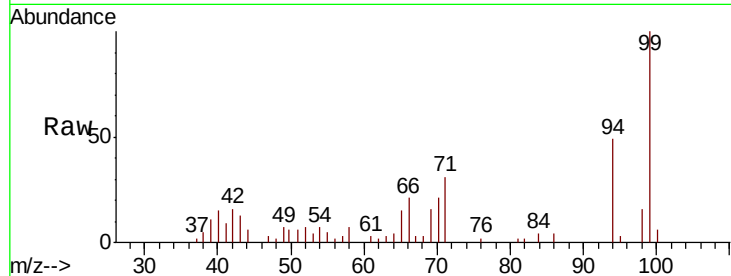
ClientSampleId :

BENZ2

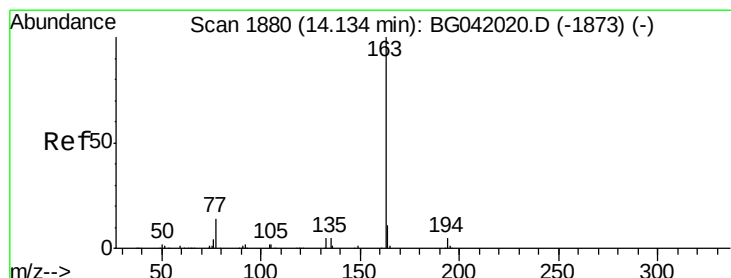
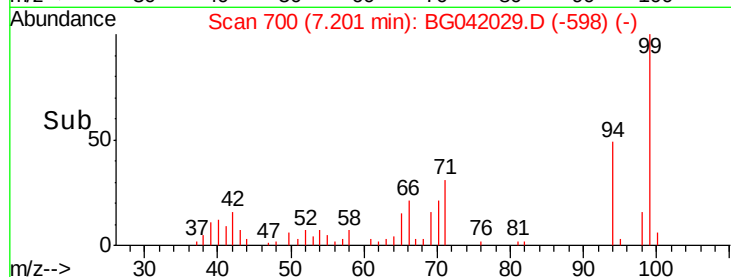
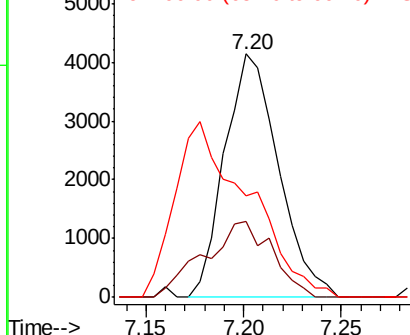
Tot Ion:	94	Resp:	7914
Ion	Ratio	Lower	Upper
94	100		
65	31.0	25.8	38.6
66	41.7	31.8	47.8

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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 7.407 ng/ul

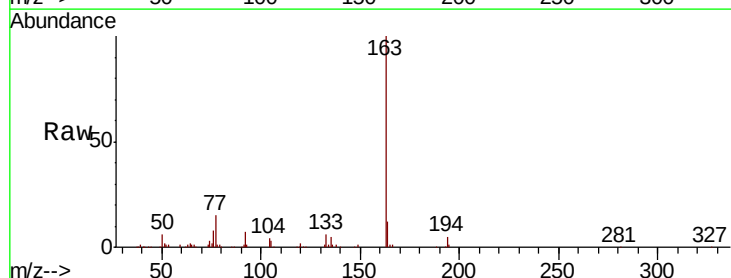
RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

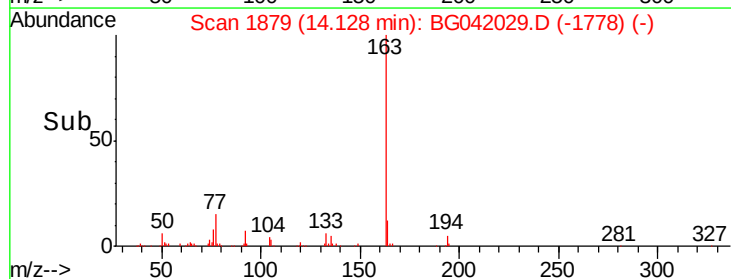
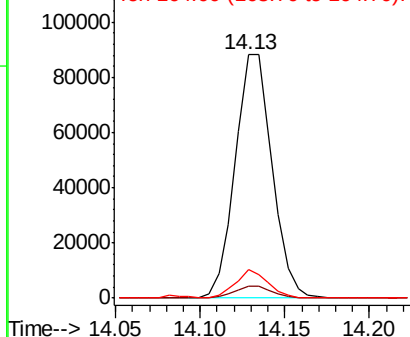
Lab File: BG042029.D

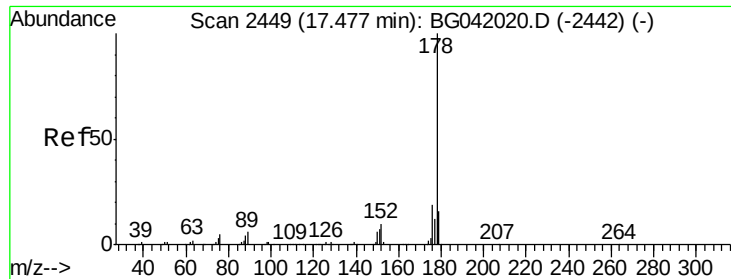
Acq: 7 Aug 2019 13:42

Tgt Ion:	163	Resp:	134755
Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	11.6	7.8	11.8



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





#69

Phenanthrene

Concen: 12.844 ng/ul m

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Instrument :

BNA_G

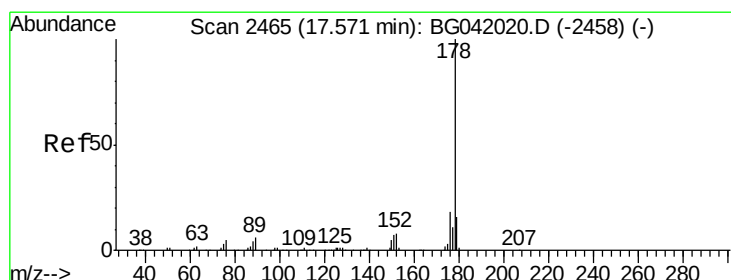
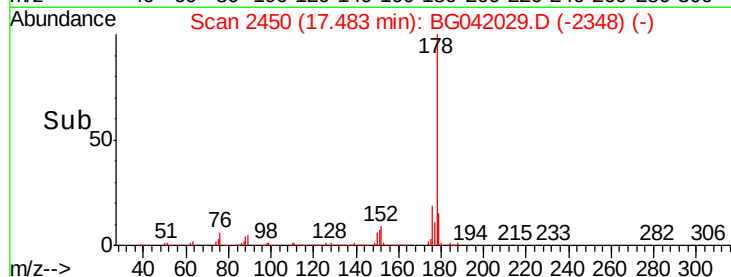
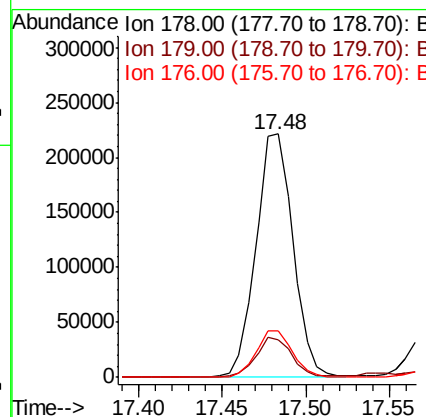
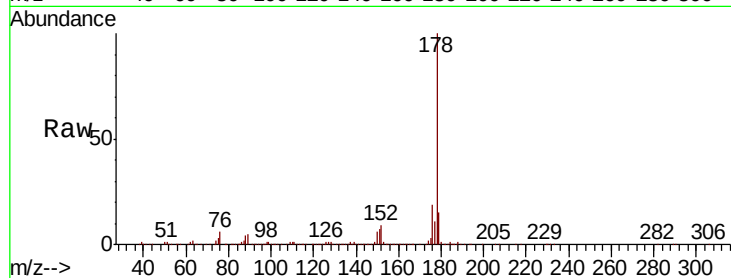
ClientSampled :

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Tot Ion:	178	Resp:	343314
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.8	19.2
176	19.2	15.4	23.2

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#71

Anthracene

Concen: 2.342 ng/ul

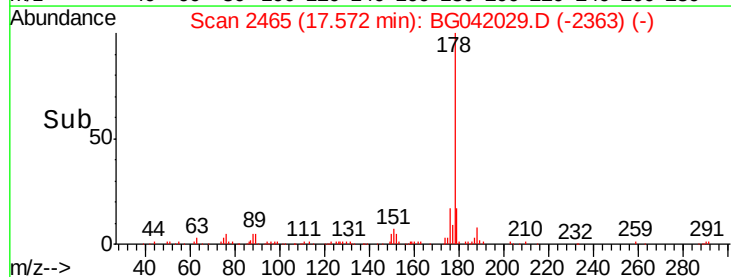
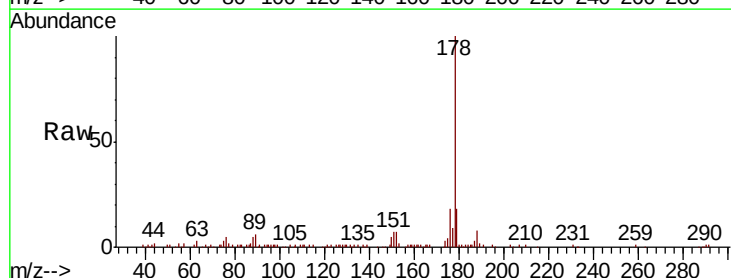
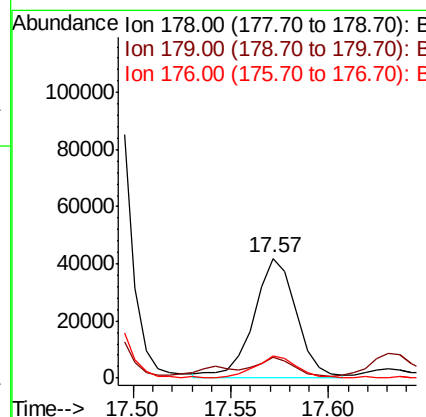
RT: 17.57 min Scan# 2465

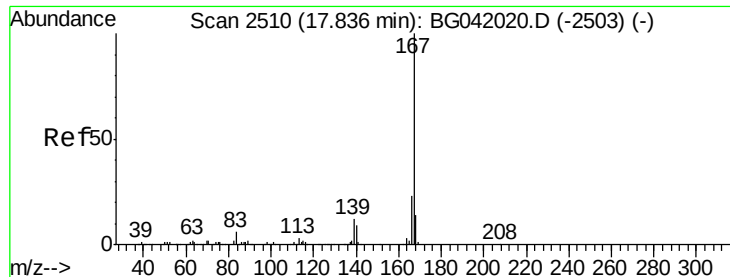
Delta R.T. 0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Tgt Ion:	178	Resp:	63492
Ion Ratio	Lower	Upper	
178	100		
179	17.8	13.4	20.0
176	18.0	15.4	23.2





#74

Carbazole

Concen: 1.877 ng/ul

RT: 17.84 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Instrument :

BNA_G

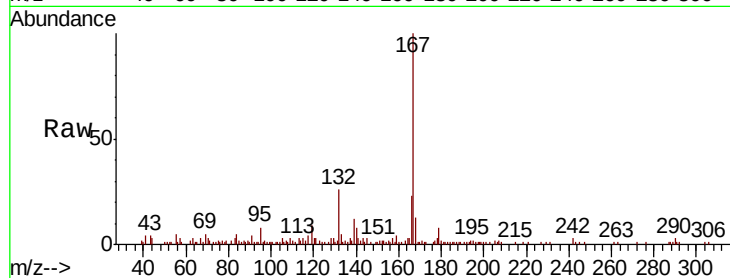
ClientSampleId :

BENZ2

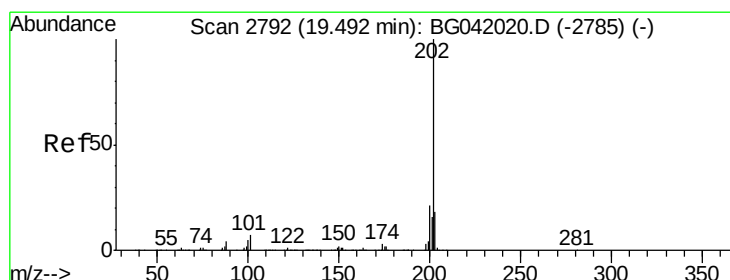
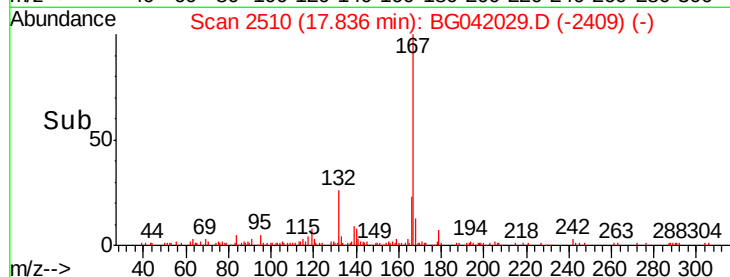
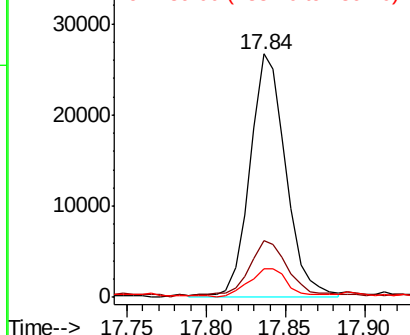
Tot Ion:	167	Resp:	42149
Ion Ratio	Lower	Upper	
167	100		
166	23.4	18.2	27.4
139	11.8	9.6	14.4

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 27.392 ng/ul m

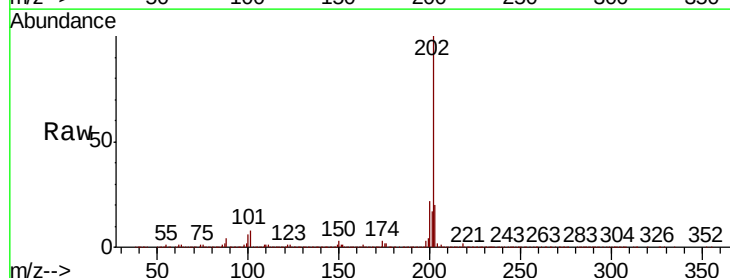
RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

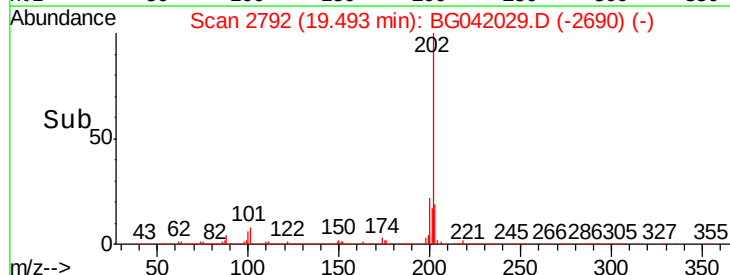
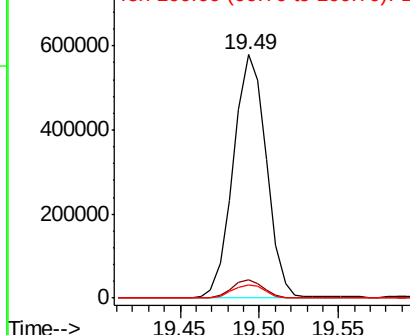
Lab File: BG042029.D

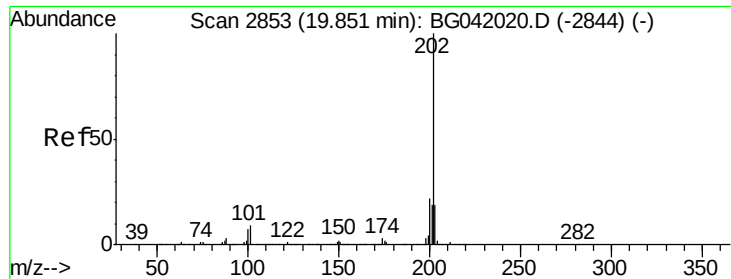
Acq: 7 Aug 2019 13:42

Tgt Ion:	202	Resp:	846009
Ion Ratio	Lower	Upper	
202	100		
101	7.6	6.7	10.1
100	5.6	5.3	7.9



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





#79

Pyrene

Concen: 23.890 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Instrument :

BNA_G

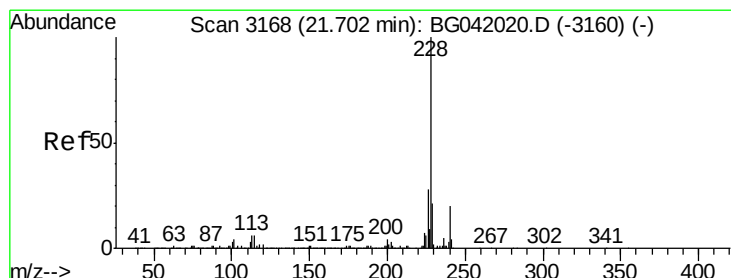
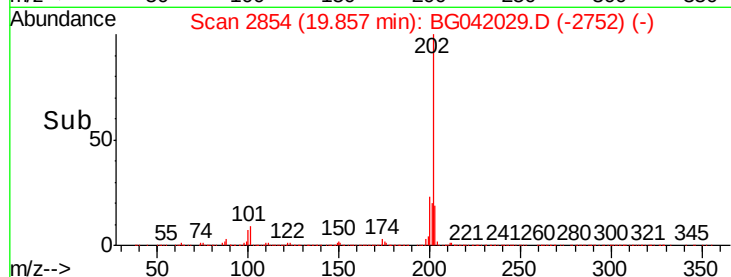
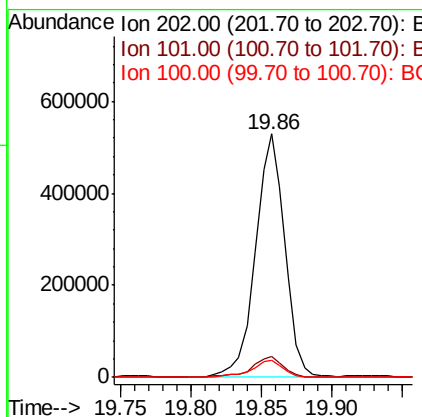
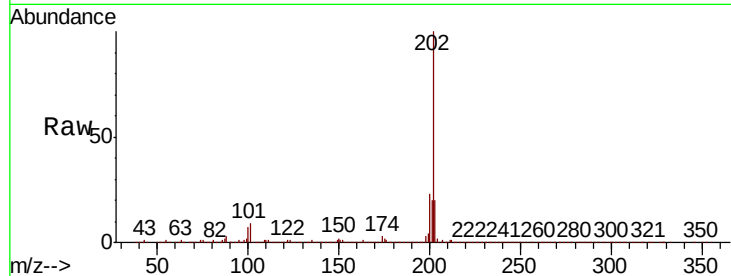
ClientSampleId :

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Tot Ion:	202	Resp:	767886
Ion Ratio	Lower	Upper	
202	100		
101	8.8	7.6	11.4
100	7.0	6.5	9.7

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#82

Benzo(a)anthracene

Concen: 13.469 ng/ul

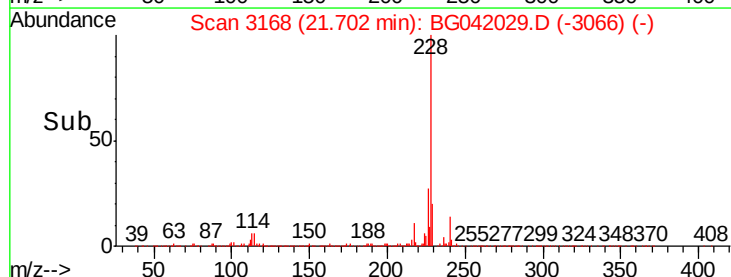
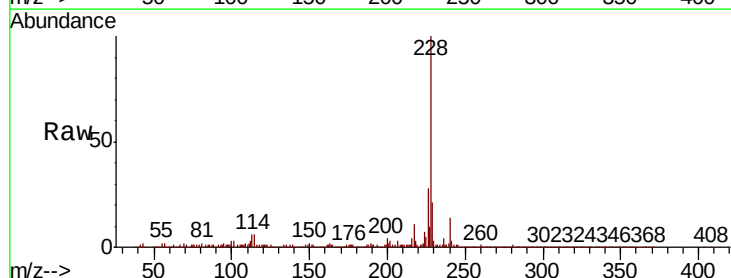
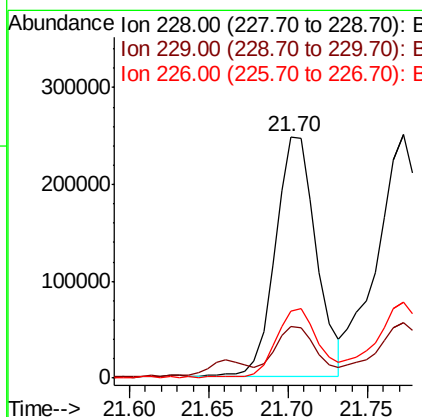
RT: 21.70 min Scan# 3168

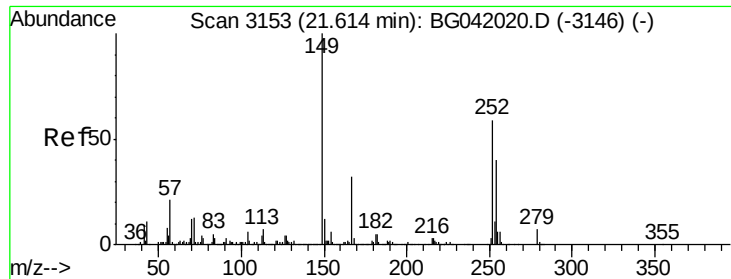
Delta R.T. 0.00 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Tgt Ion:	228	Resp:	446256
Ion Ratio	Lower	Upper	
228	100		
229	21.3	17.0	25.6
226	27.7	23.3	34.9





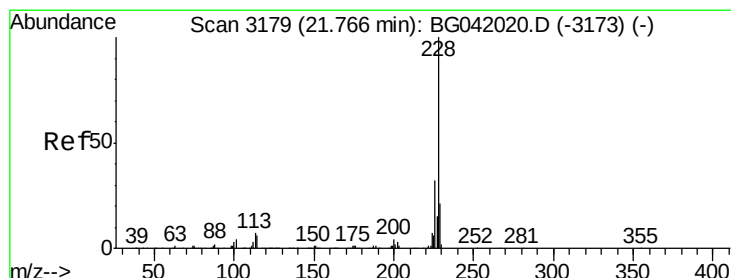
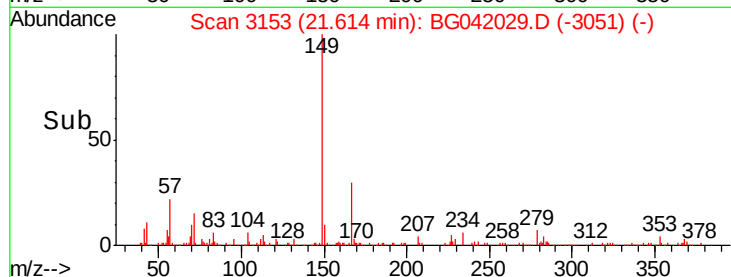
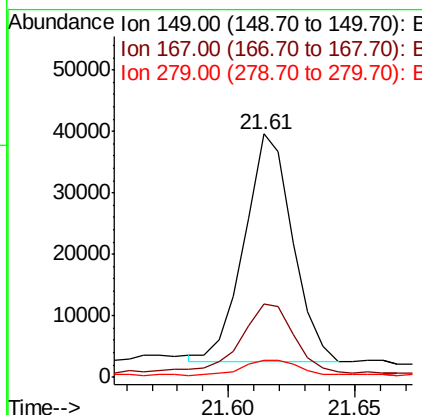
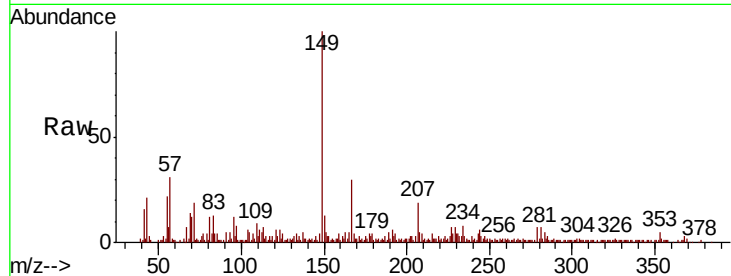
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.860 ng/ul
 RT: 21.61 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BG042029.D
 Acq: 7 Aug 2019 13:42

Instrument :
 BNA_G
 ClientSampled :
 BENZ2

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.3	25.0	37.4
279	7.1	5.2	7.8

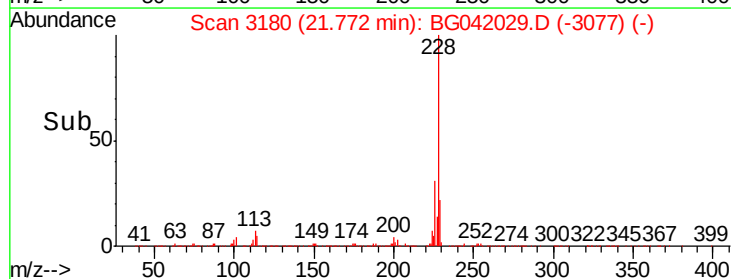
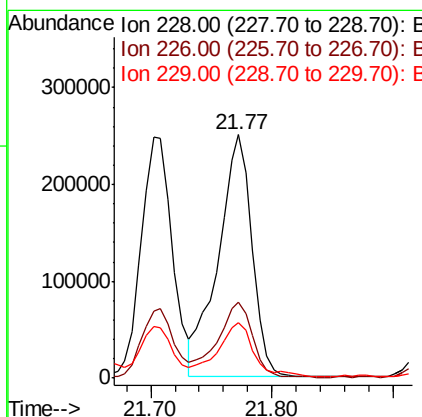
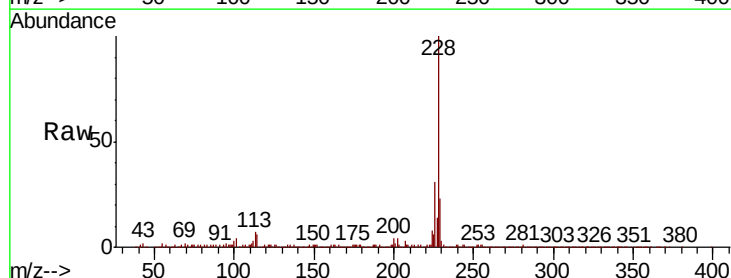
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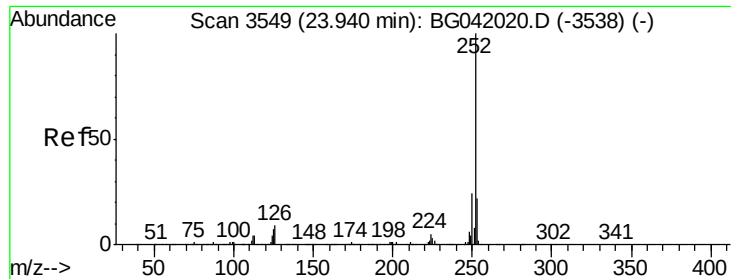
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#84
 Chrysene
 Concen: 15.717 ng/ul
 RT: 21.77 min Scan# 3180
 Delta R.T. 0.01 min
 Lab File: BG042029.D
 Acq: 7 Aug 2019 13:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.7	38.5
229	22.7	16.6	24.8





#87

Benzo(b)fluoranthene

Concen: 19.133 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Instrument :

BNA_G

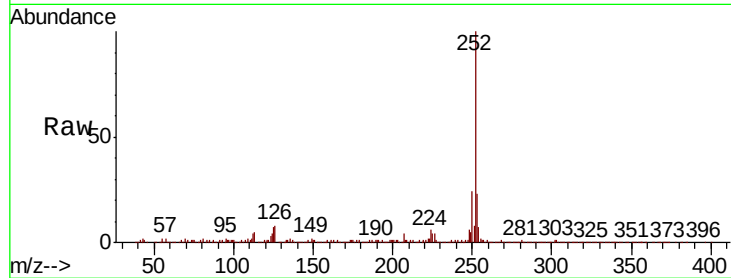
ClientSampleId :

BENZ2

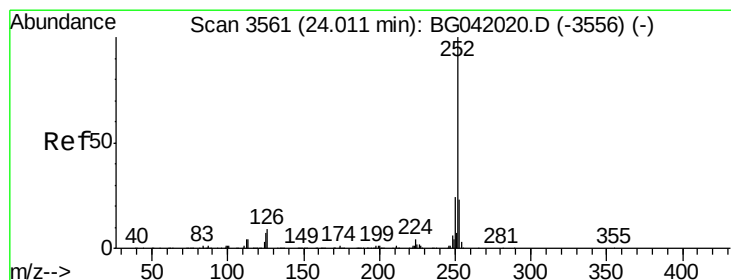
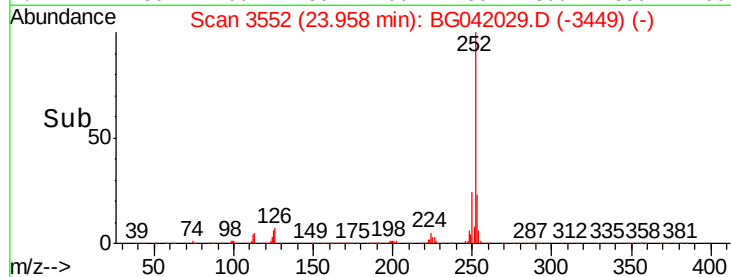
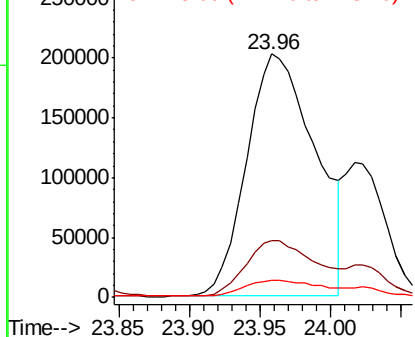
Tot Ion:	252	Resp:	688654
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.4	27.6
125	7.0	5.8	8.8

Manual Integrations
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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



#88

Benzo(k)fluoranthene

Concen: 6.639 ng/ul m

RT: 24.02 min Scan# 3562

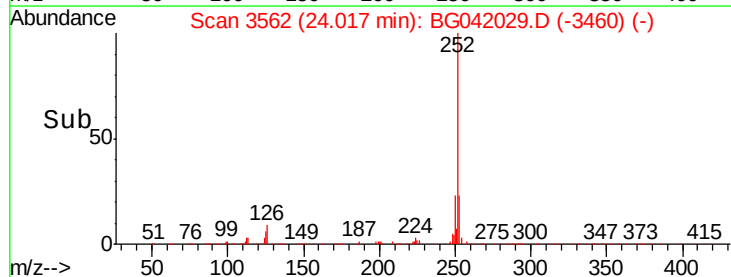
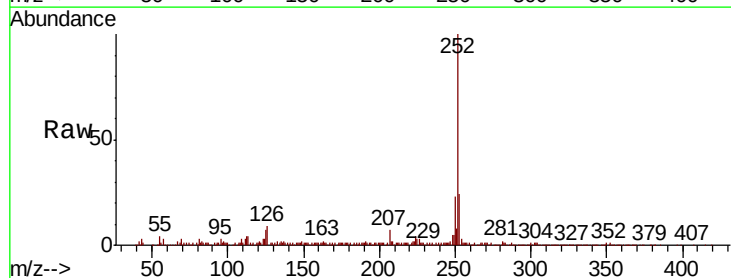
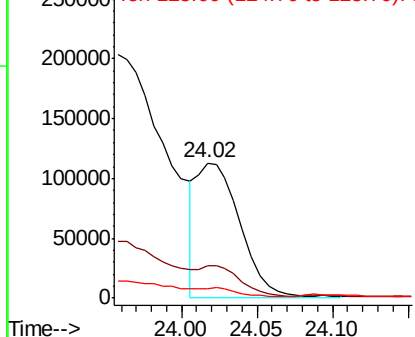
Delta R.T. 0.00 min

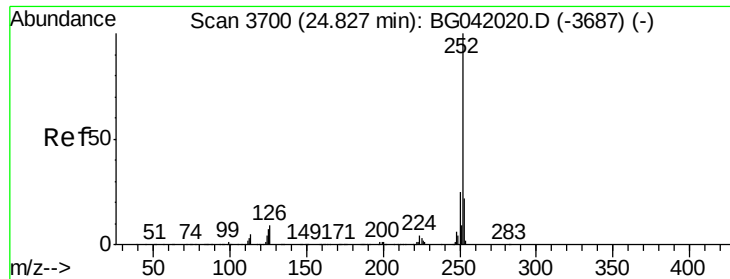
Lab File: BG042029.D

Acq: 7 Aug 2019 13:42

Tgt Ion:	252	Resp:	229750
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.3	27.5
125	6.9	5.5	8.3

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





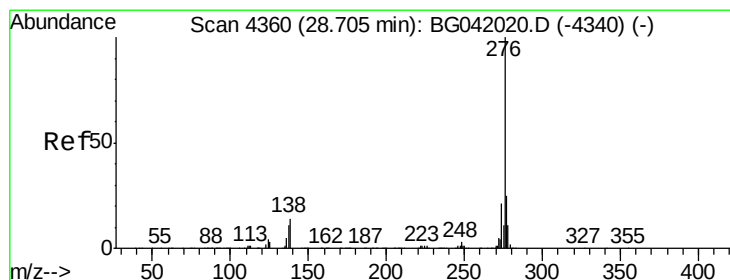
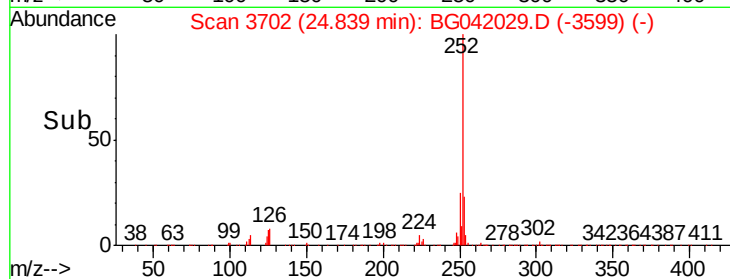
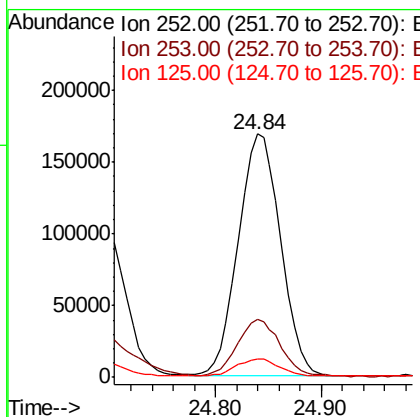
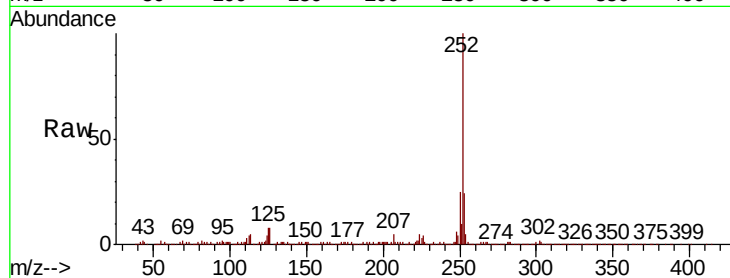
#90
Benzo(a)pyrene
Concen: 13.698 ng/ul
RT: 24.84 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BG042029.D
Acq: 7 Aug 2019 13:42

Instrument :
BNA_G
ClientSampleId :
BENZ2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	7.7	6.5	9.7

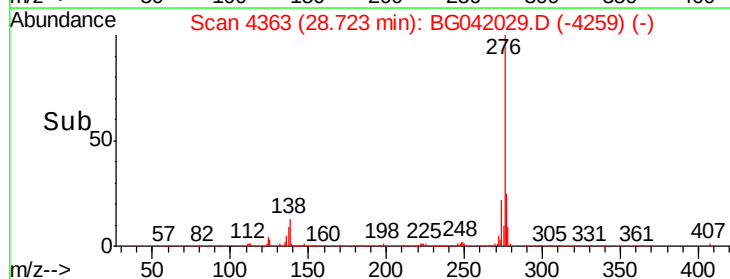
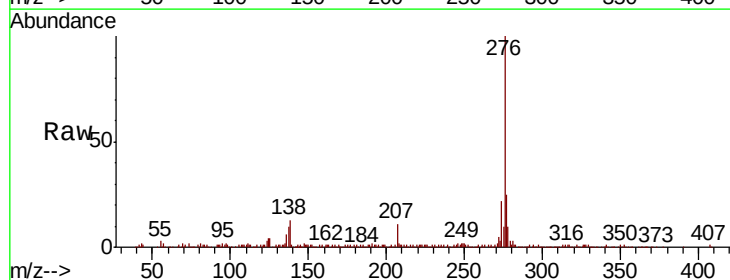
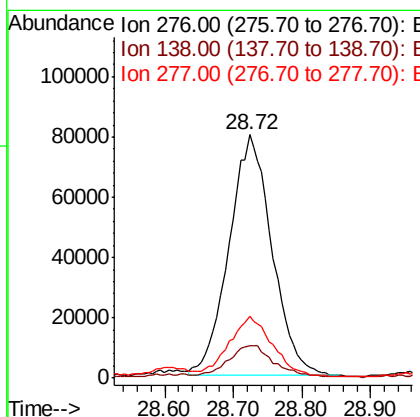
Manual Integrations
APPROVED

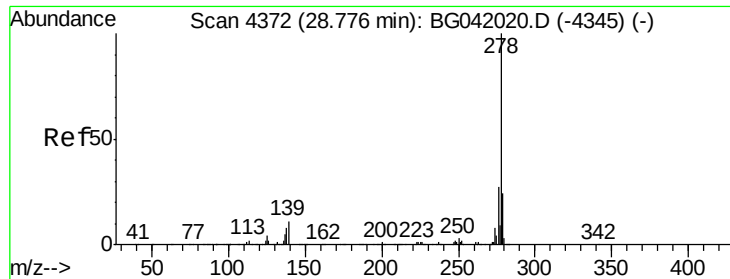
mohammad
8/7/2019 4:40:53 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 8.706 ng/ul
RT: 28.72 min Scan# 4363
Delta R.T. 0.01 min
Lab File: BG042029.D
Acq: 7 Aug 2019 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	12.0	18.0
277	25.2	19.2	28.8





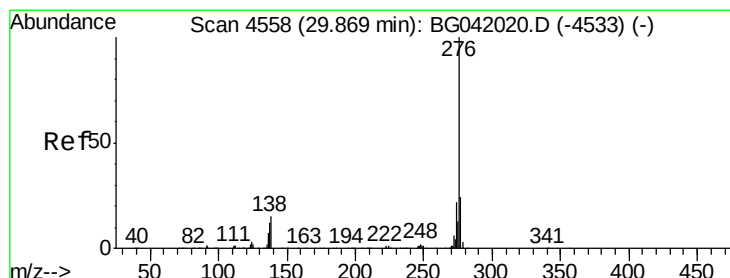
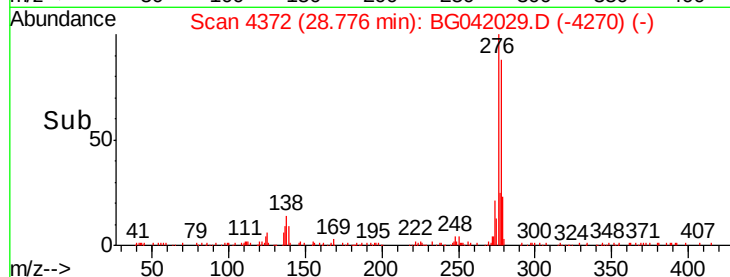
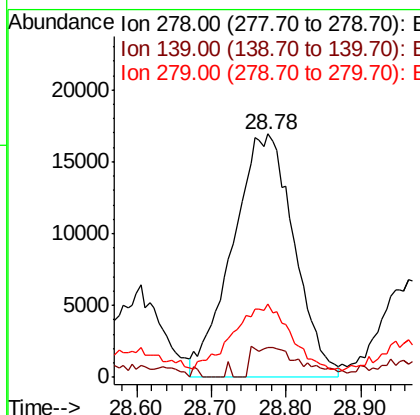
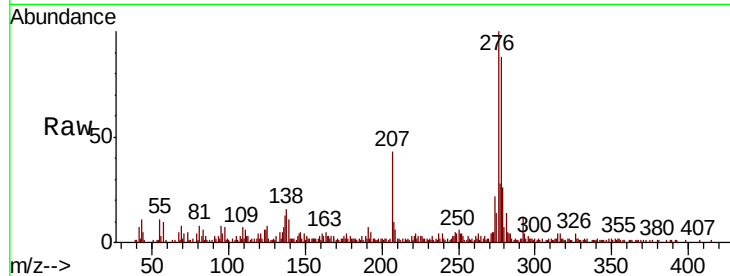
#92
Dibenzo(a,h)anthracene
Concen: 2.973 ng/ul m
RT: 28.78 min Scan# 4372
Delta R.T. 0.00 min
Lab File: BG042029.D
Acq: 7 Aug 2019 13:42

Instrument :
BNA_G
ClientSampleId :
BENZ2

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.2	9.4	14.0
279	30.0	19.2	28.8#

Manual Integrations
APPROVED

mohammad
8/7/2019 4:40:53 PM



#93
Benzo(g,h,i)perylene
Concen: 9.870 ng/ul
RT: 29.89 min Scan# 4562
Delta R.T. 0.02 min
Lab File: BG042029.D
Acq: 7 Aug 2019 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	12.6	18.8
277	24.2	19.2	28.8

