

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
 Data File : BG047404.D
 Acq On : 21 Nov 2020 21:10
 Operator : CG/JU
 Sample : L4711-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B07

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:57 AM

Quant Time: Nov 23 05:43:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 05:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	45749	20.00	ng/ul	0.00
18) Naphthalene-d8	11.11	136	187958	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	133137	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	284743m	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	233602	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	245968	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	3739	2.97	ng/uL	0.00
5) Phenol-d5	7.41	99	102419	22.32	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.59	67	55489	21.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	73619	23.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	81623	23.15	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	36652	23.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	44034	25.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	92035	23.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	94888	24.19	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	295578	25.86	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	346856	26.26	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	41717	23.92	ng/ul	0.02
58) Fluorene-d10	15.87	176	257628	24.61	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	32172	19.85	ng/ul	0.00
71) Anthracene-d10	17.72	188	381756	27.03	ng/ul	0.00
79) Pyrene-d10	19.98	212	394981	29.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.08	264	380964	26.91	ng/ul	0.02

Target Compounds

					Ovalue
45) Dimethylphthalate	14.33	163	104011	8.922	ng/ul# 98
70) Phenanthrene	17.66	178	101113m	6.576	ng/ul
72) Anthracene	17.75	178	16527	1.067	ng/ul 96
77) Fluoranthene	19.65	202	336181	17.312	ng/ul 99
80) Pyrene	20.01	202	272480	16.467	ng/ul# 97
83) Benzo(a)anthracene	21.88	228	172342	10.369	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.78	149	49851	6.154	ng/ul# 96
85) Chrysene	21.95	228	211465	13.369	ng/ul 97
88) Benzo(b)fluoranthene	24.22	252	298075	17.164	ng/ul# 100
89) Benzo(k)fluoranthene	24.30	252	94619m	5.529	ng/ul
91) Benzo(a)pyrene	25.15	252	177797	11.484	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	29.23	276	141074m	7.491	ng/ul
93) Dibenzo(a,h)anthracene	29.26	278	42015m	2.721	ng/ul
94) Benzo(g,h,i)perylene	30.45	276	129067m	8.306	ng/ul

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

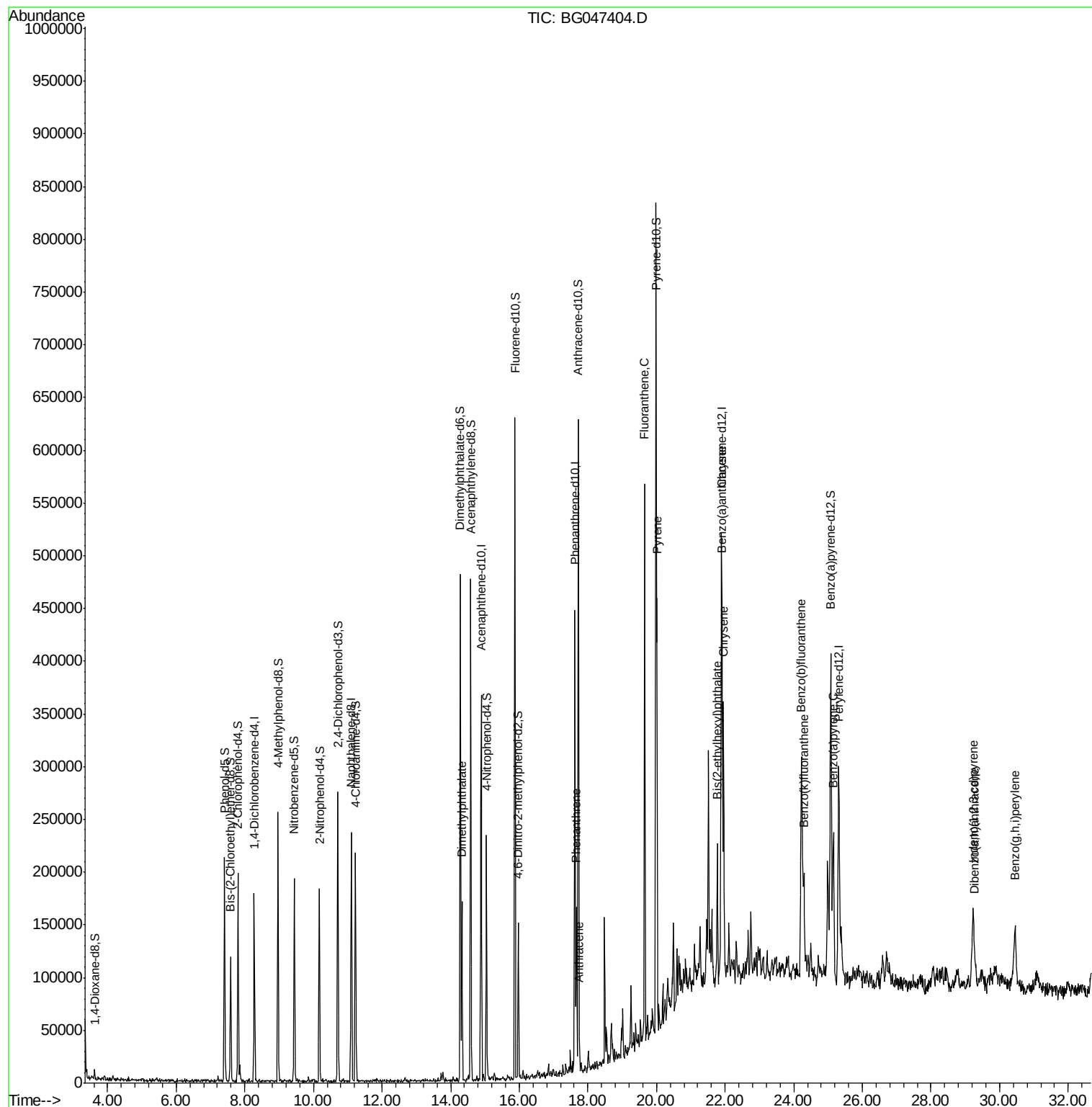
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047404.D
Acq On : 21 Nov 2020 21:10
Operator : CG/JU
Sample : L4711-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

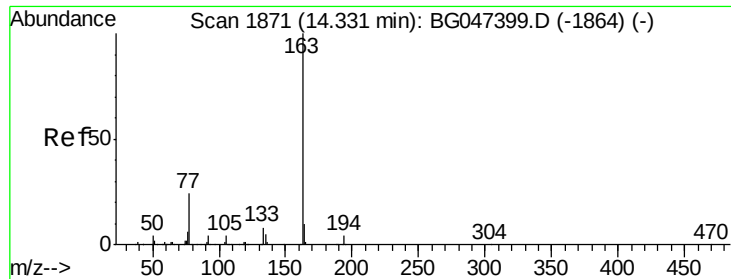
Instrument :
BNA_G
ClientSampleId :
C0B07

Manual Integrations
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11/24/2020 9:00:57 AM

Quant Time: Nov 23 05:43:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





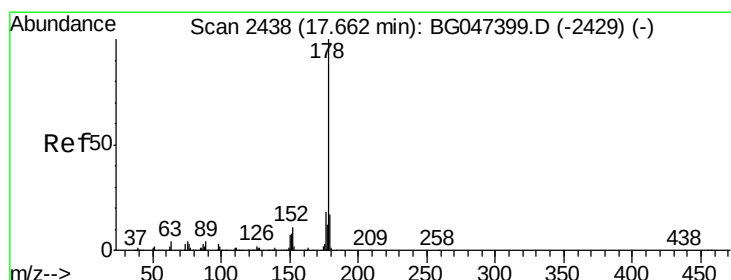
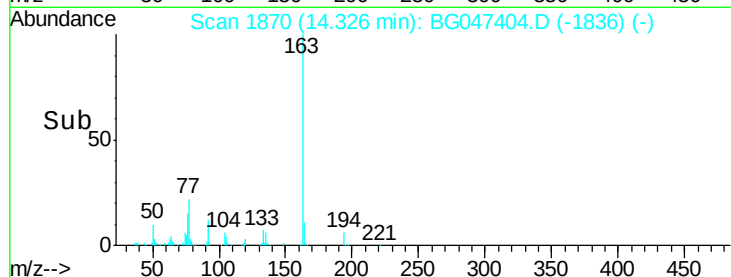
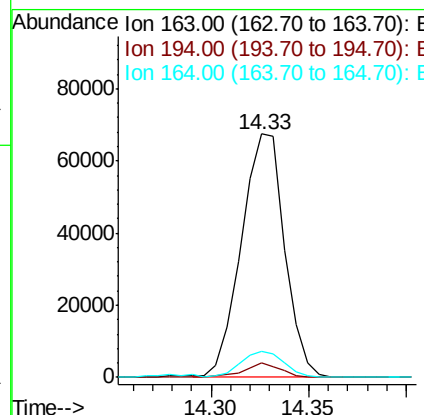
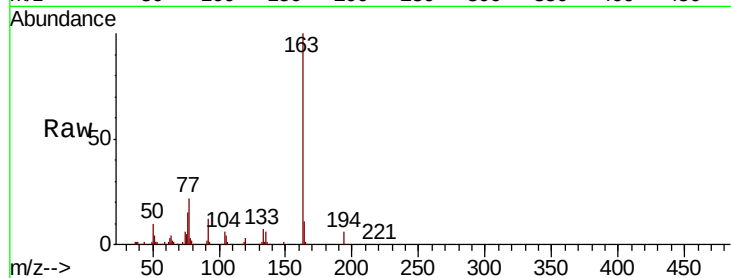
#45
Dimethylphthalate
Concen: 8.922 ng/ul
RT: 14.33 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Instrument :
BNA_G
ClientSampleId :
C0B07

Tot Ion	Ratio	Resp	Lower	Upper
163	100	104011		
194	6.1	3.4	5.2#	
164	10.6	8.8	13.2	

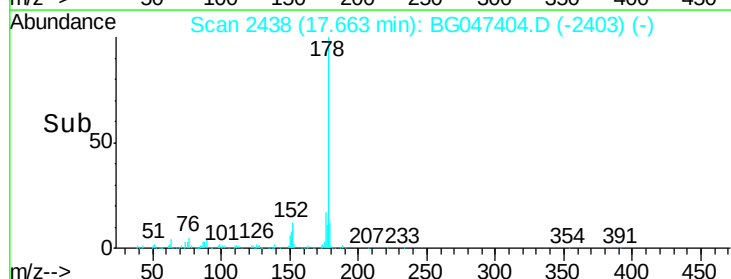
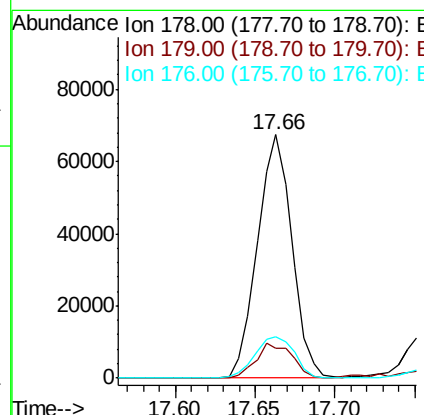
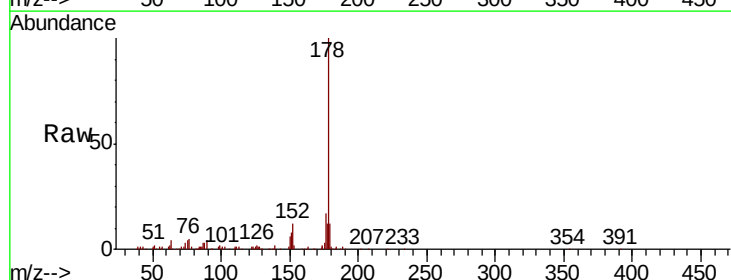
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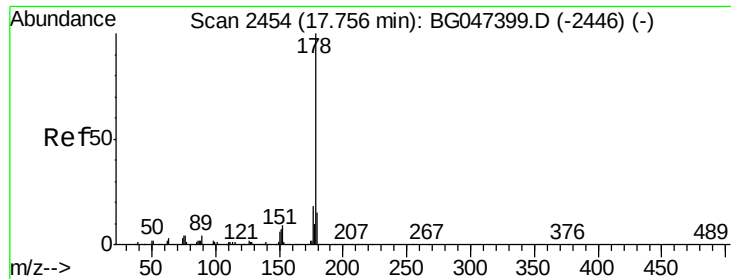
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#70
Phenanthrene
Concen: 6.576 ng/ul m
RT: 17.66 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	101113		
179	12.5	12.8	19.2#	
176	17.1	15.7	23.5	





#72

Anthracene

Concen: 1.067 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Instrument :

BNA_G

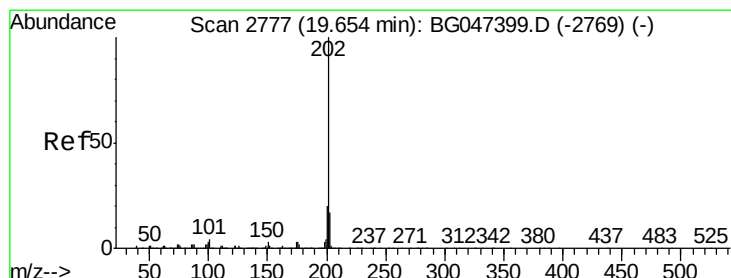
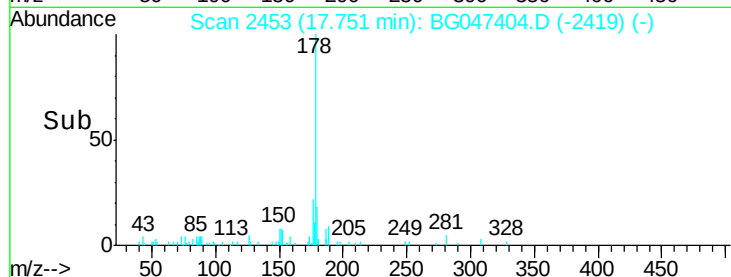
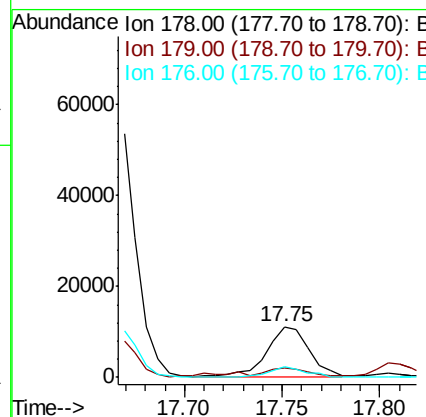
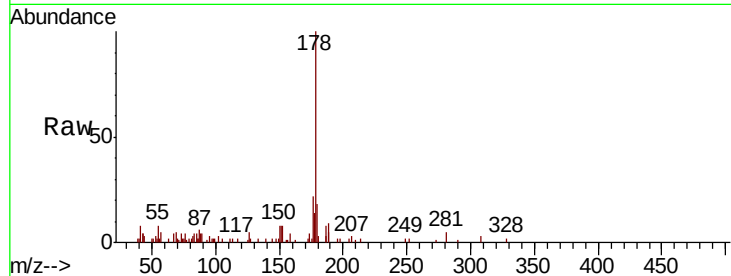
ClientSampleId :

C0B07

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
179	17.6	12.2	18.2	
176	21.9	16.2	24.4	

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#77

Fluoranthene

Concen: 17.312 ng/ul

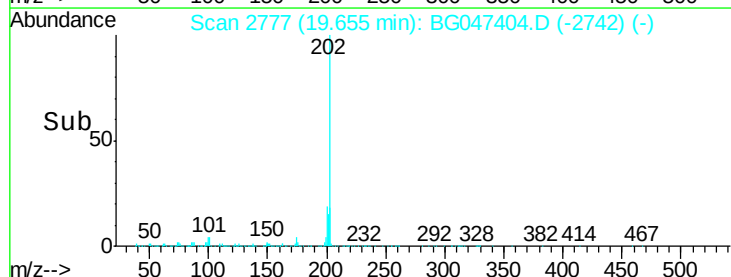
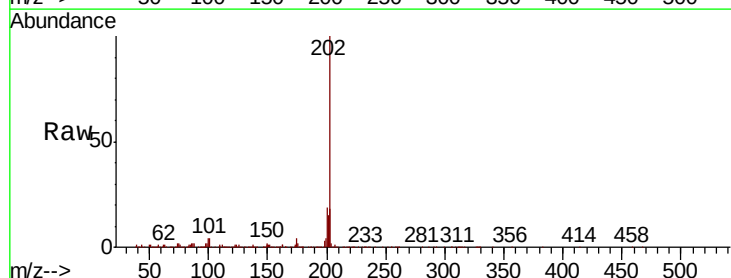
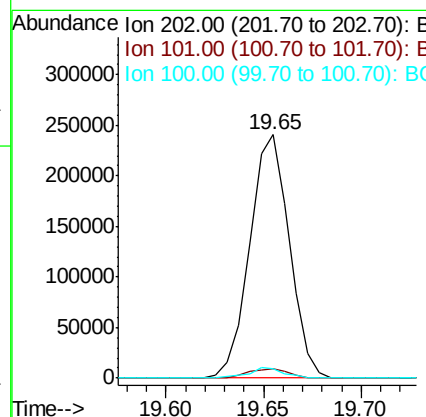
RT: 19.65 min Scan# 2777

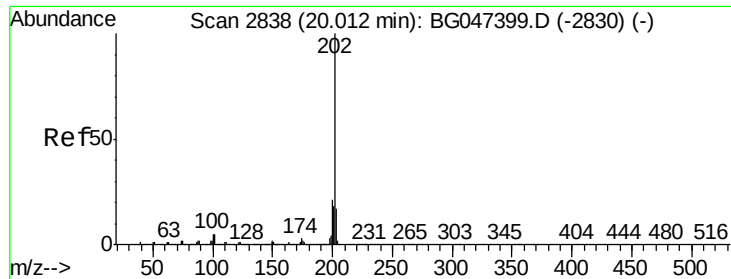
Delta R.T. 0.01 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	4.0	3.3	4.9	
100	3.6	3.4	5.0	





#80

Pvrene

Concen: 16.467 ng/ul

RT: 20.01 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Instrument :

BNA_G

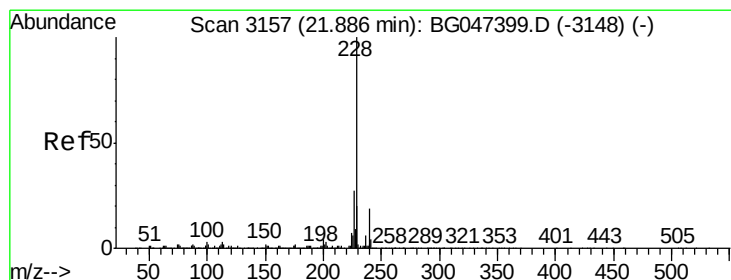
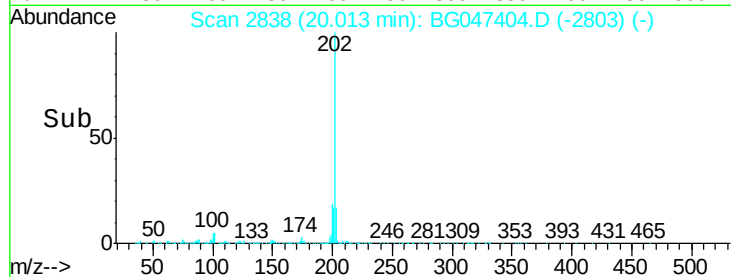
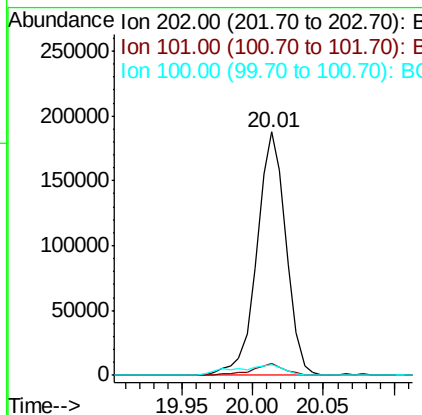
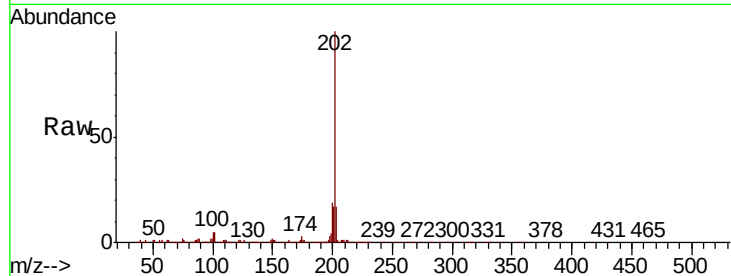
ClientSampleId :

C0B07

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	5.1	5.0	7.4
100	4.6	4.6	7.0#

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#83

Benzo(a)anthracene

Concen: 10.369 ng/ul

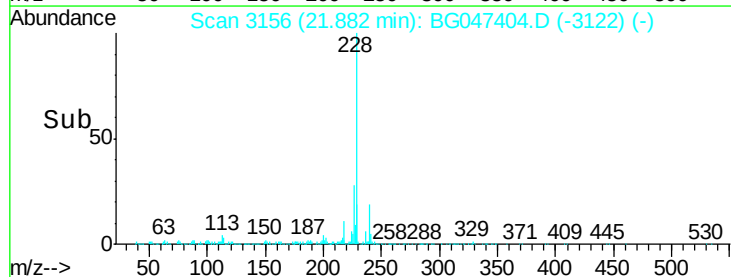
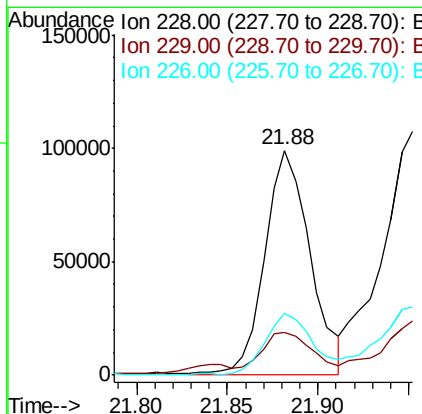
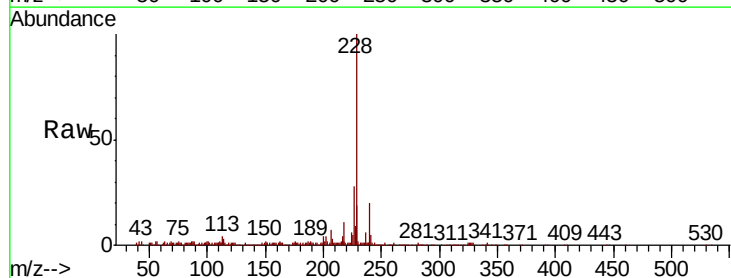
RT: 21.88 min Scan# 3156

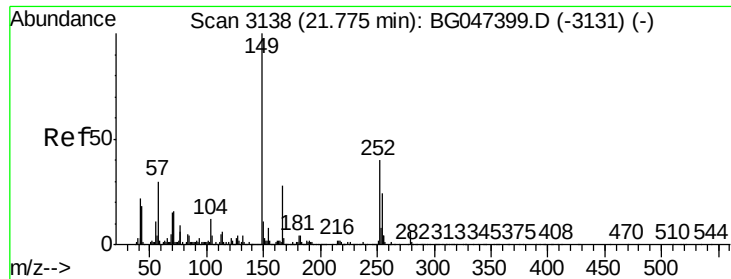
Delta R.T. 0.00 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.1	16.2	24.2
226	27.7	23.3	34.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.154 ng/ul

RT: 21.78 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Instrument :

BNA_G

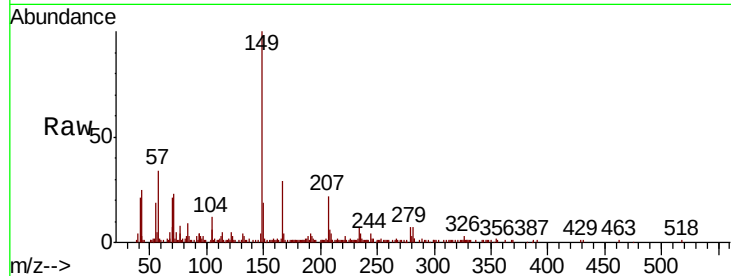
ClientSampleId :

C0B07

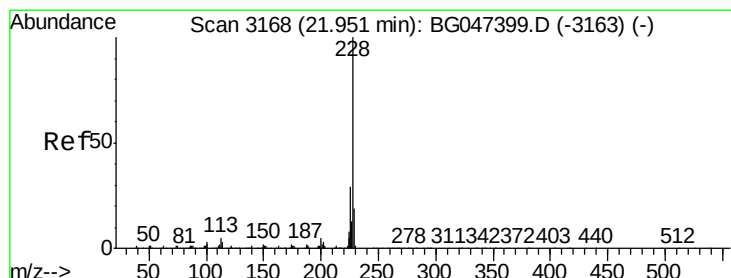
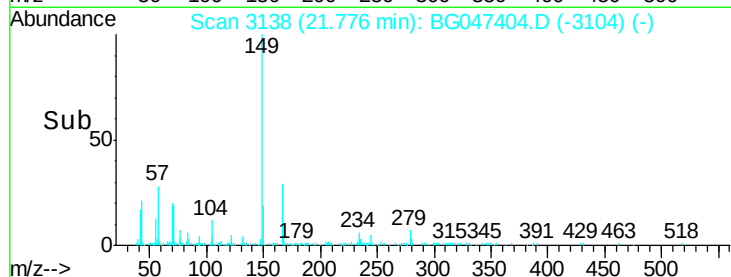
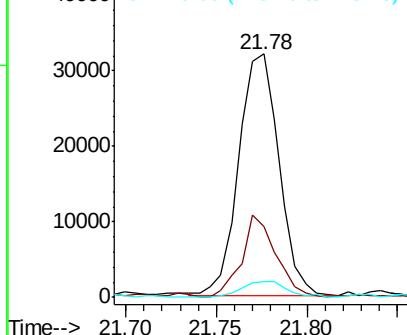
Tot Ion:	149	Resp:	49851
Ion Ratio	Lower	Upper	
149	100		
167	29.2	21.8	32.8
279	6.7	4.2	6.2

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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



#85

Chrysene

Concen: 13.369 ng/ul

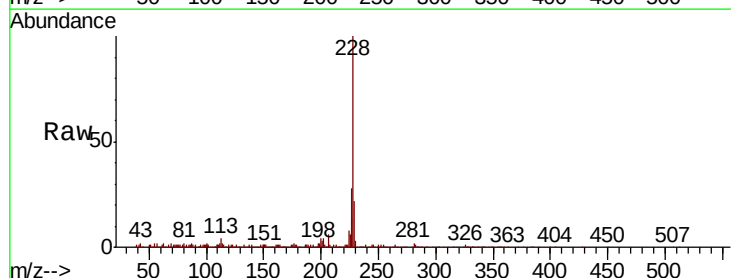
RT: 21.95 min Scan# 3168

Delta R.T. 0.01 min

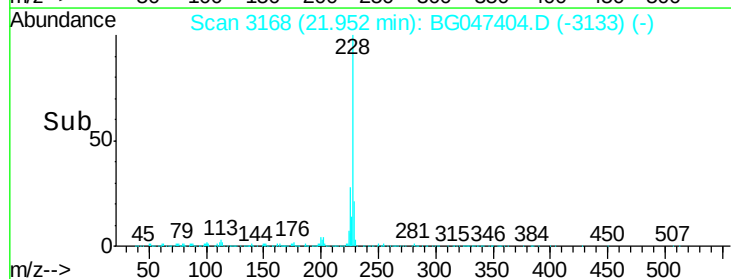
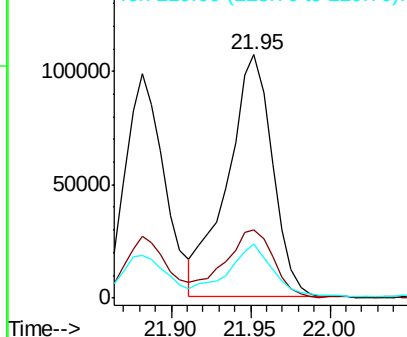
Lab File: BG047404.D

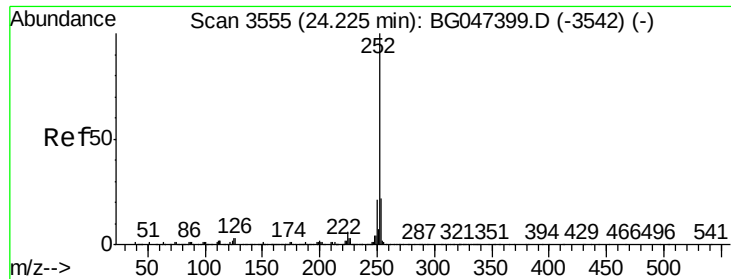
Acq: 21 Nov 2020 21:10

Tgt Ion:	228	Resp:	211465
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.8	35.6
229	22.2	16.3	24.5



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





#88

Benzo(b)fluoranthene

Concen: 17.164 ng/ul

RT: 24.22 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Instrument :

BNA_G

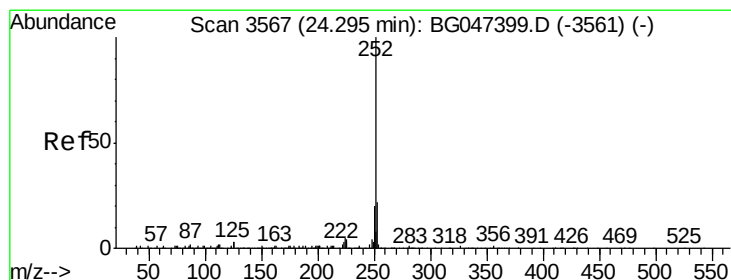
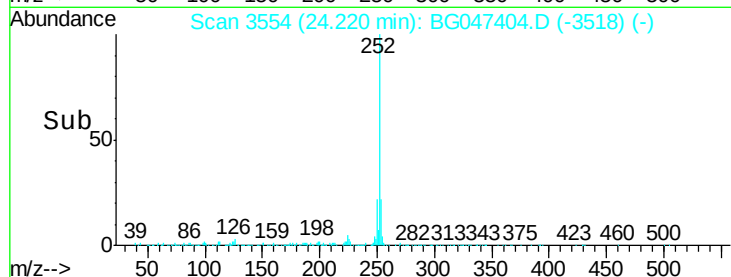
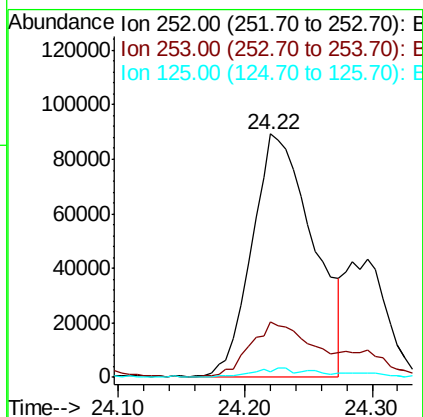
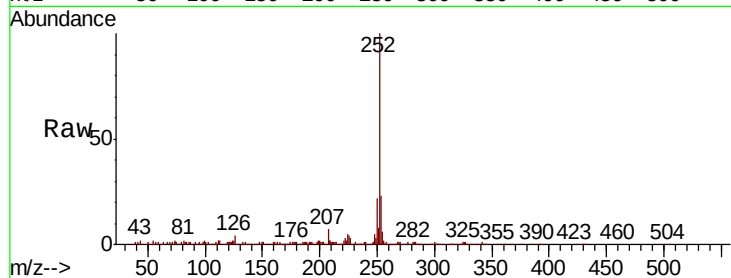
ClientSampleId :

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Tot Ion:	252	Resp:	298075
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.4	27.6
125	2.5	2.5	3.7#

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#89

Benzo(k)fluoranthene

Concen: 5.529 ng/ul m

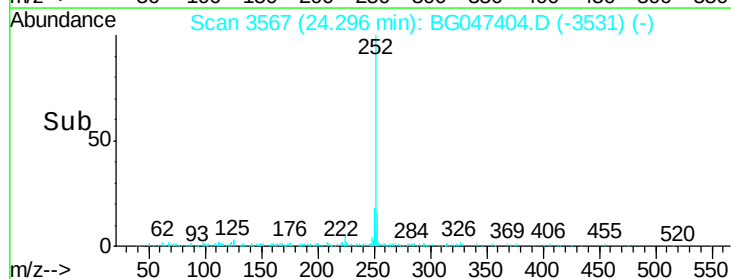
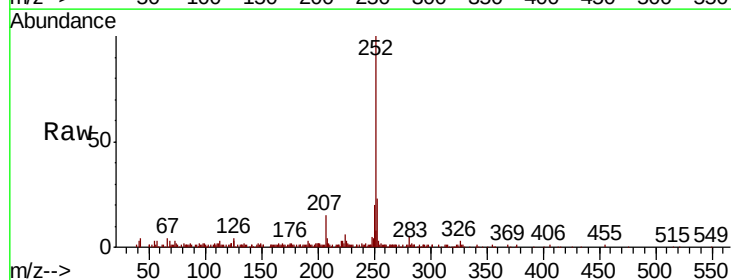
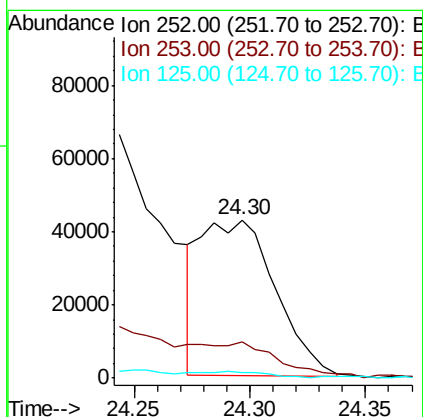
RT: 24.30 min Scan# 3567

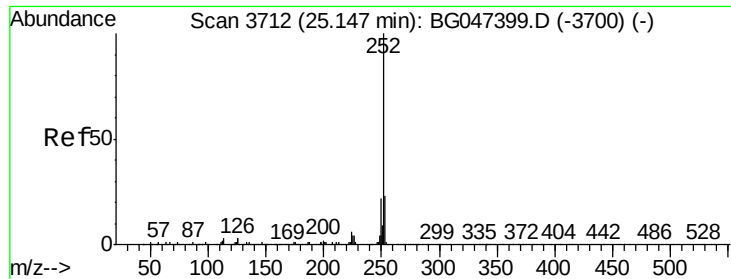
Delta R.T. 0.01 min

Lab File: BG047404.D

Acq: 21 Nov 2020 21:10

Tgt Ion:	252	Resp:	94619
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.7	25.1
125	3.3	2.6	3.8





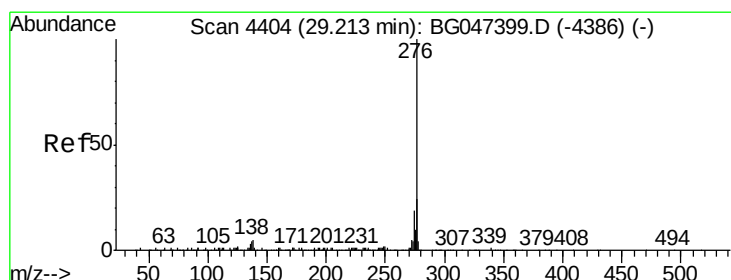
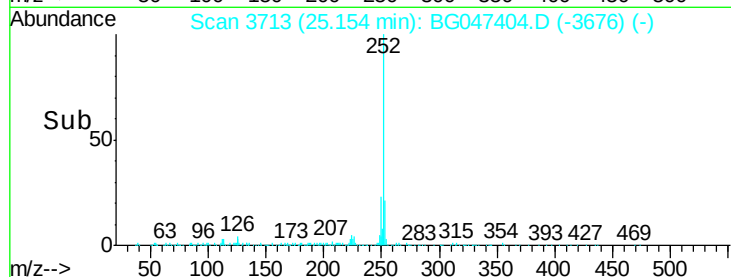
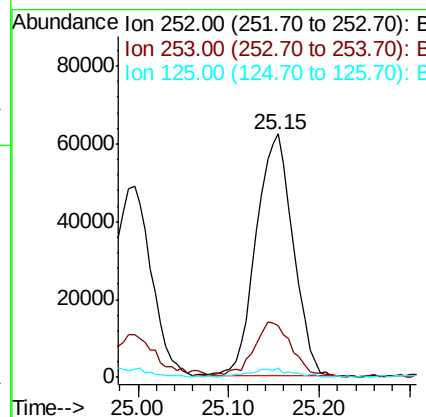
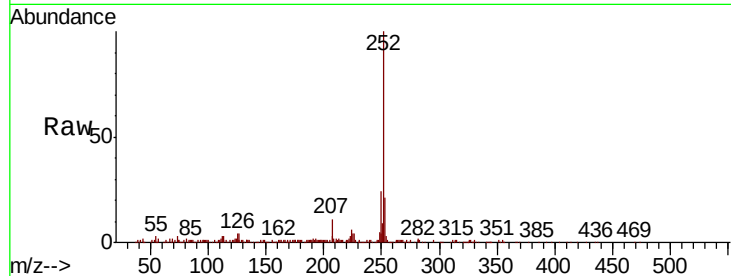
#91
Benzo(a)pyrene
Concen: 11.484 ng/ul
RT: 25.15 min Scan# 3713
Delta R.T. 0.02 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Instrument :
BNA_G
ClientSampleId :
C0B07

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	3.9	3.1	4.7

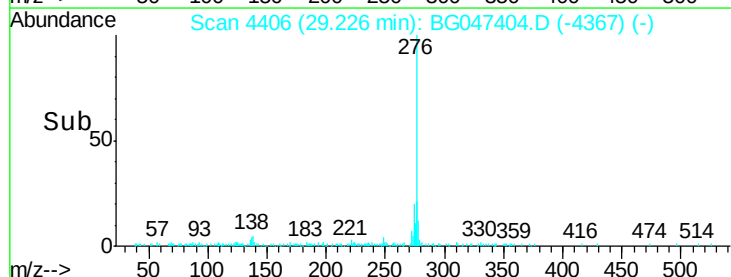
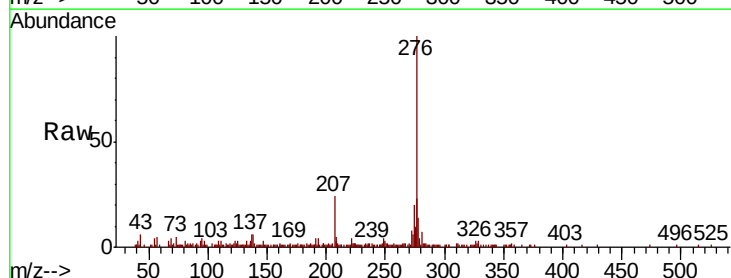
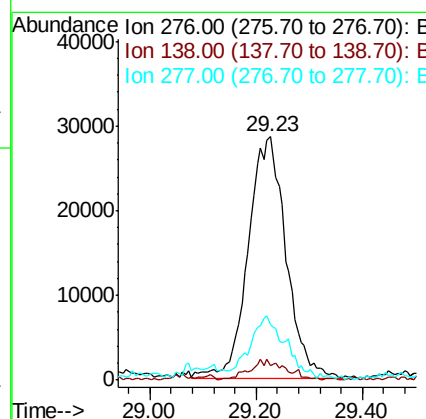
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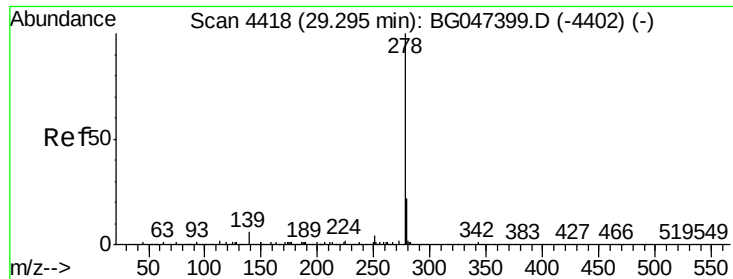
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#92
Indeno(1,2,3-cd)pyrene
Concen: 7.491 ng/ul m
RT: 29.23 min Scan# 4406
Delta R.T. 0.03 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.1	7.5	11.3#
277	22.8	19.9	29.9





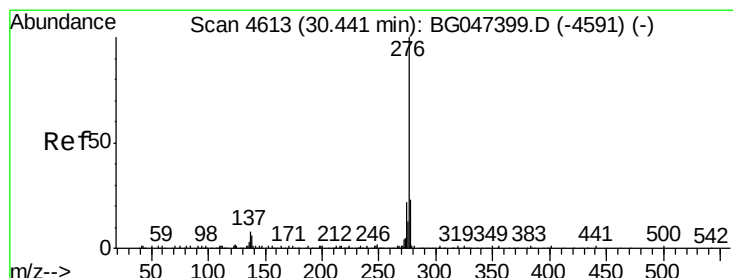
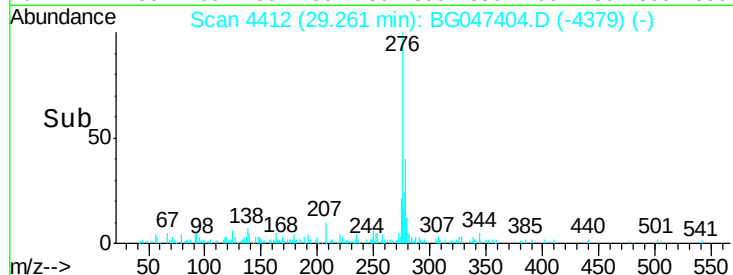
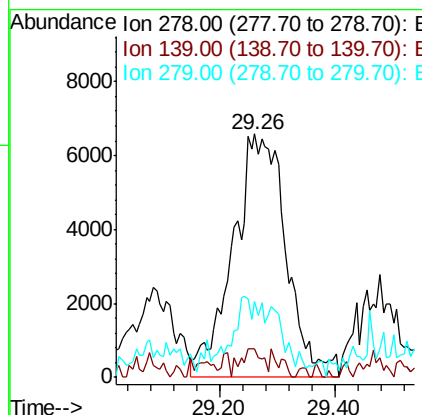
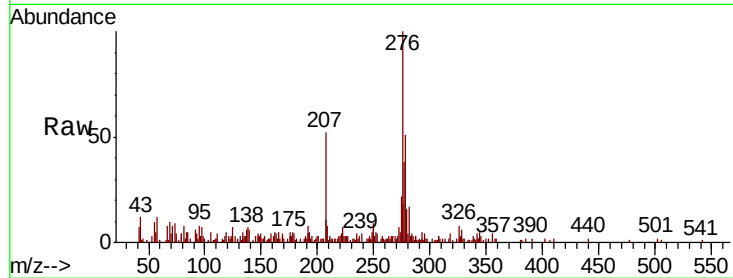
#93
Dibenzo(a,h)anthracene
Concen: 2.721 ng/ul m
RT: 29.26 min Scan# 4412
Delta R.T. -0.01 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Instrument :
BNA_G
ClientSampleId :
C0B07

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.6	5.8	8.6#
279	31.3	20.0	30.0#

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:57 AM



#94
Benzo(g,h,i)perylene
Concen: 8.306 ng/ul m
RT: 30.45 min Scan# 4614
Delta R.T. 0.03 min
Lab File: BG047404.D
Acq: 21 Nov 2020 21:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.2	8.2	12.2#
277	20.1	17.5	26.3

