

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
 Data File : BG047494.D
 Acq On : 1 Dec 2020 11:32
 Operator : CG/JU
 Sample : L4793-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B49

Manual Integrations
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 12/2/2020 2:25:49 PM

Quant Time: Dec 01 12:31:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 01 10:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	28297	20.00	ng/ul	0.00
18) Naphthalene-d8	11.09	136	105012	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.88	164	78734	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.61	188	200545	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	186860	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	203137	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	785	1.01	ng/uL	0.00
5) Phenol-d5	7.40	99	17357	6.12	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.57	67	9760	6.03	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.79	132	14426	7.58	ng/ul	-0.01
13) 4-Methylphenol-d8	8.95	113	10597m	4.86	ng/ul	-0.02
19) Nitrobenzene-d5	9.43	128	7150	8.24	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.16	143	8905	9.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	15273	7.05	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.21	131	13404	6.12	ng/ul	-0.02
44) Dimethylphthalate-d6	14.27	166	56983	8.43	ng/ul	-0.01
47) Acenaphthylene-d8	14.58	160	67079	8.59	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	5694	5.52	ng/ul	-0.01
58) Fluorene-d10	15.86	176	54803	8.85	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.96	200	7498	6.57	ng/ul	-0.01
71) Anthracene-d10	17.71	188	87360	8.78	ng/ul	-0.01
79) Pyrene-d10	19.98	212	102356	9.41	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	105390	9.01	ng/ul	-0.02

Target Compounds				Ovalue		
6) Phenol	7.43	94	3798	1.397	ng/ul#	76
45) Dimethylphthalate	14.32	163	23849	3.459	ng/ul#	93
70) Phenanthrene	17.66	178	70702	6.528	ng/ul	97
72) Anthracene	17.74	178	16031m	1.470	ng/ul	
77) Fluoranthene	19.65	202	191749	14.020	ng/ul	98
80) Pyrene	20.01	202	175767	13.279	ng/ul#	98
83) Benzo(a)anthracene	21.87	228	101634	7.644	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.76	149	8335	1.286	ng/ul#	79
85) Chrysene	21.95	228	89732m	7.092	ng/ul	
88) Benzo(b)fluoranthene	24.22	252	100498	7.007	ng/ul	98
89) Benzo(k)fluoranthene	24.28	252	44902m	3.177	ng/ul	
91) Benzo(a)pyrene	25.14	252	75134	5.876	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	29.21	276	49846m	3.205	ng/ul	
93) Dibenzo(a,h)anthracene	29.25	278	15299m	1.200	ng/ul	
94) Benzo(g,h,i)perylene	30.43	276	39793m	3.101	ng/ul	

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

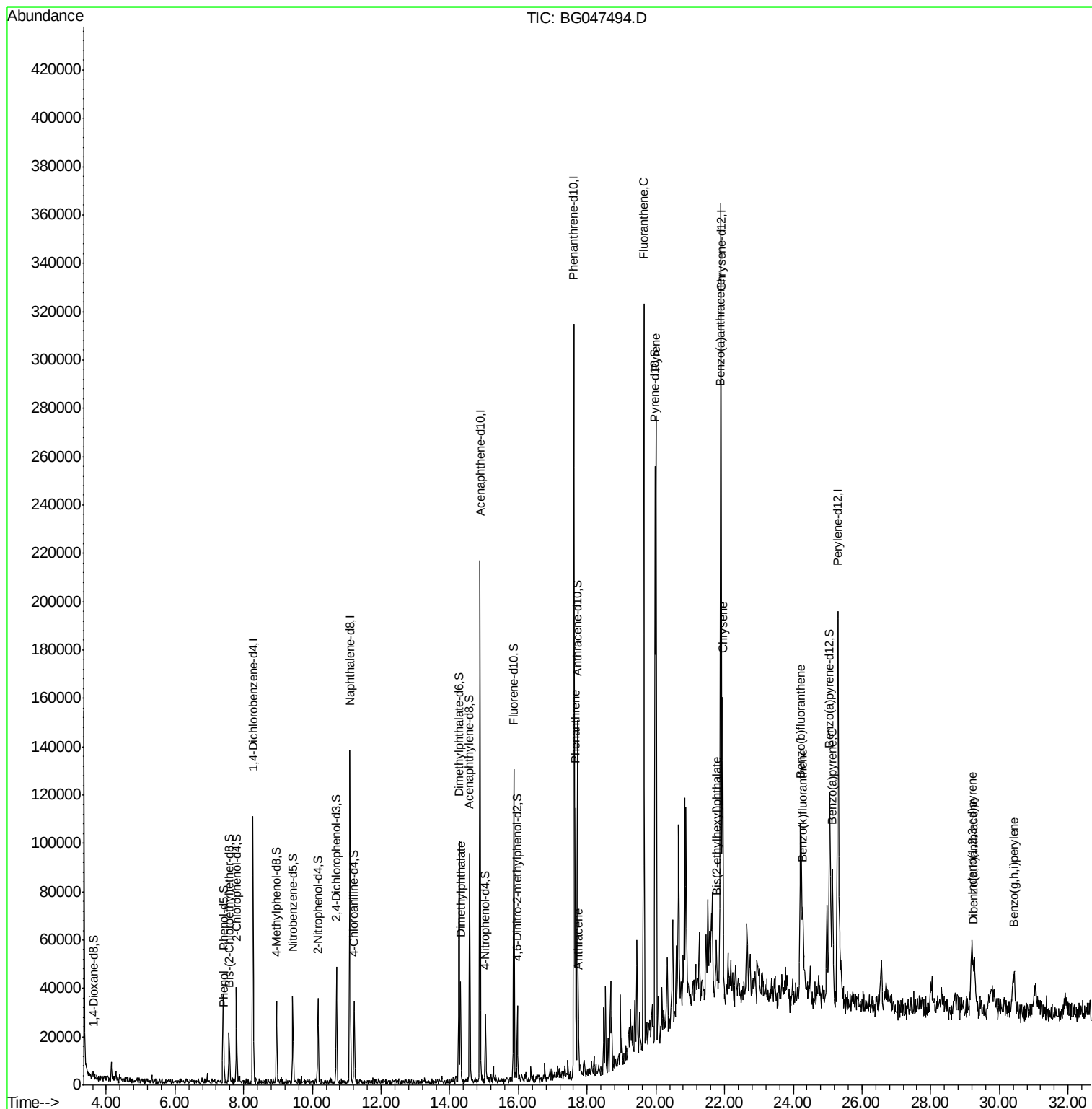
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
Data File : BG047494.D
Acq On : 1 Dec 2020 11:32
Operator : CG/JU
Sample : L4793-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

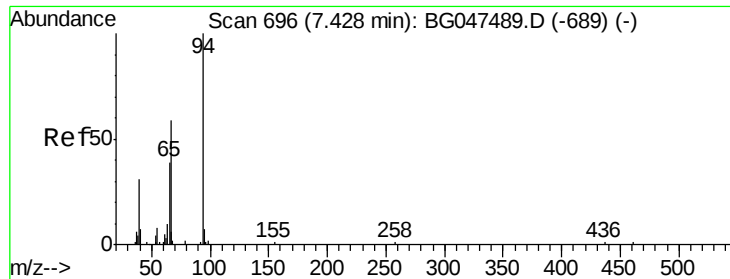
Instrument :
BNA_G
ClientSampleId :
C0B49

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 01 10:06:47 2020
Response via : Initial Calibration





#6

Phenol

Concen: 1.397 ng/ul

RT: 7.43 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Instrument :

BNA_G

ClientSampleId :

C0B49

Tot Ion: 94 Resp: 3798

Ion Ratio Lower Upper

94 100

65 30.2 37.8 56.8#

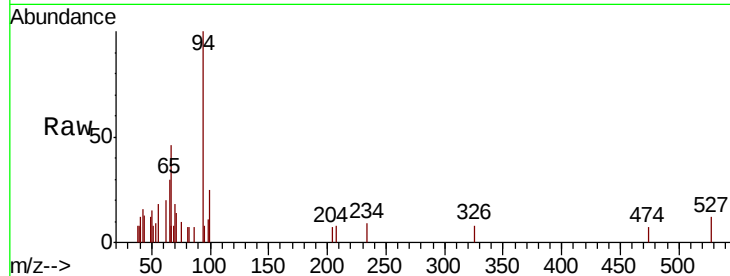
66 46.1 51.6 77.4#

Manual Integrations

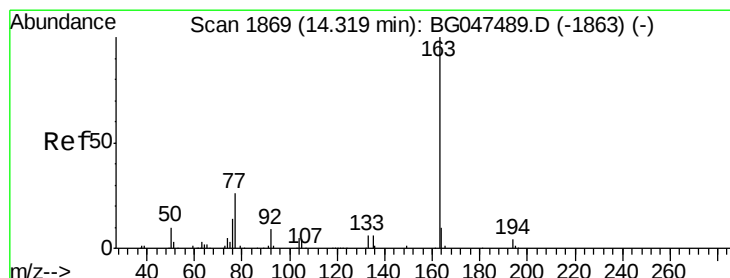
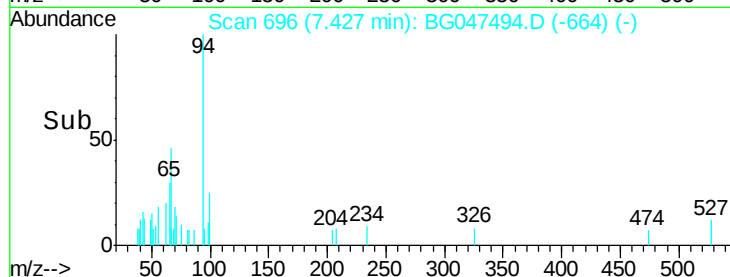
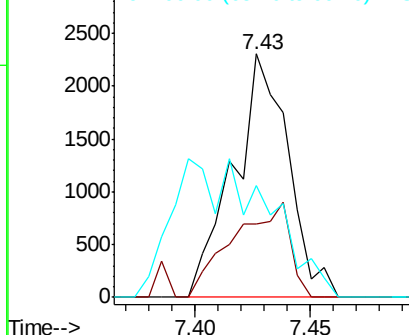
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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#45

Dimethylphthalate

Concen: 3.459 ng/ul

RT: 14.32 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

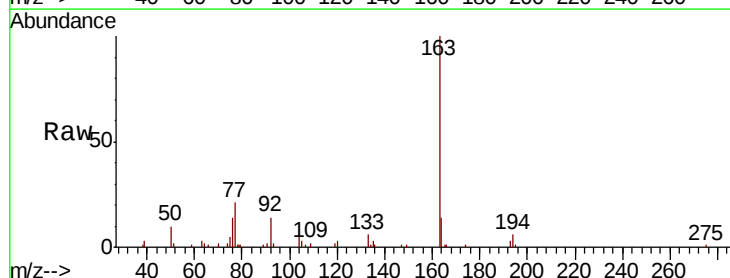
Tgt Ion: 163 Resp: 23849

Ion Ratio Lower Upper

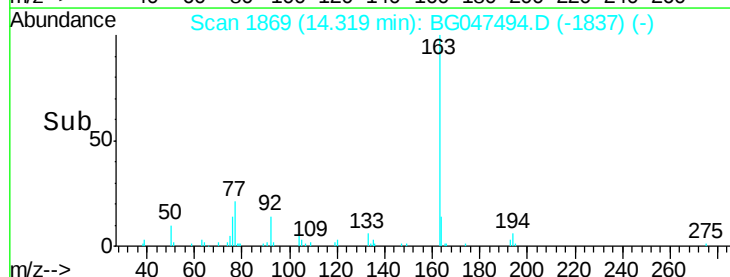
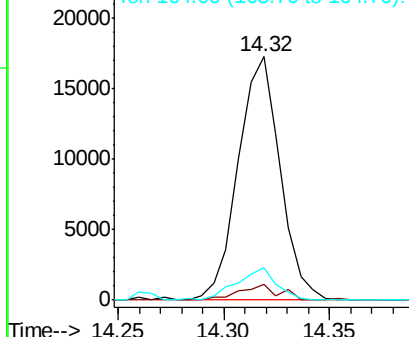
163 100

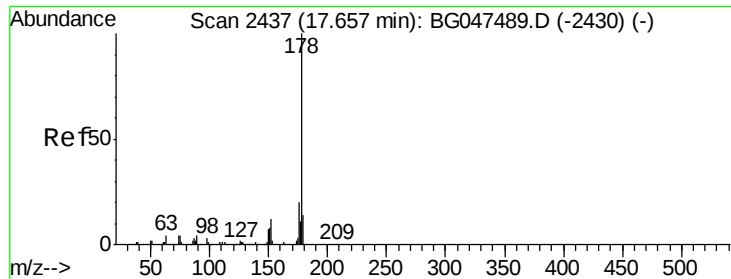
194 6.3 3.6 5.4#

164 13.6 8.5 12.7#



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





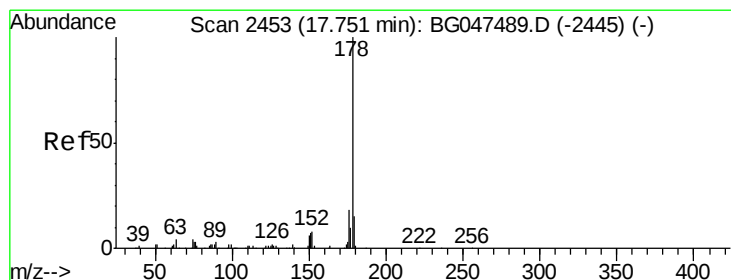
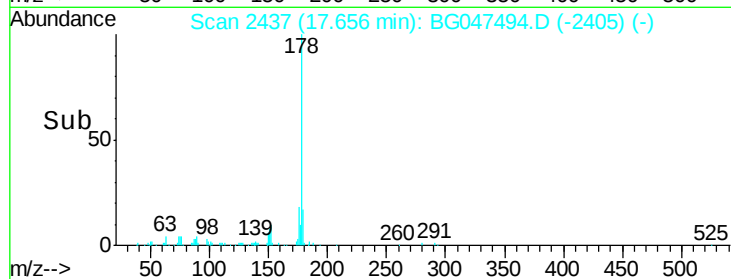
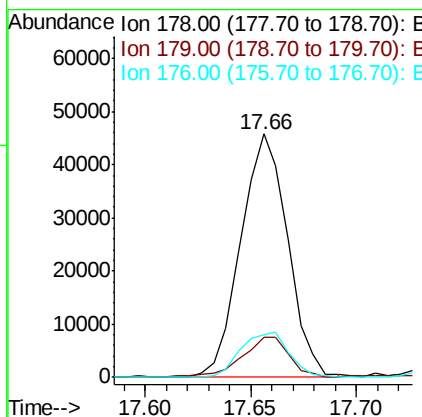
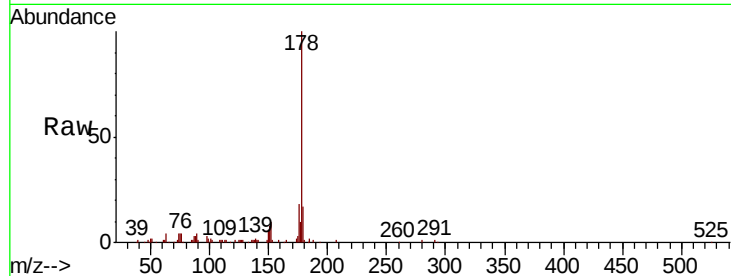
#70
Phenanthrene
Concen: 6.528 ng/ul
RT: 17.66 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG047494.D
Acq: 1 Dec 2020 11:32

Instrument :
BNA_G
ClientSampleId :
C0B49

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.6
176	17.8	13.9	20.9

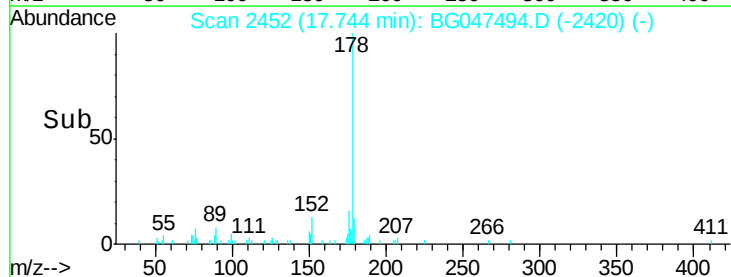
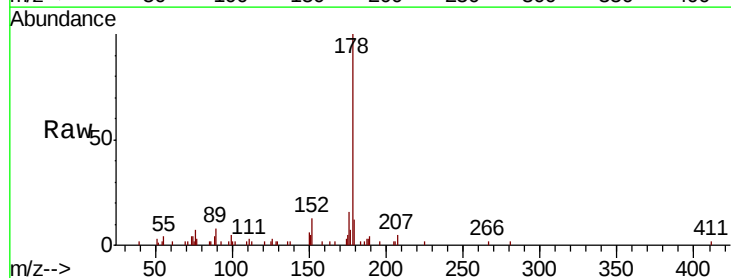
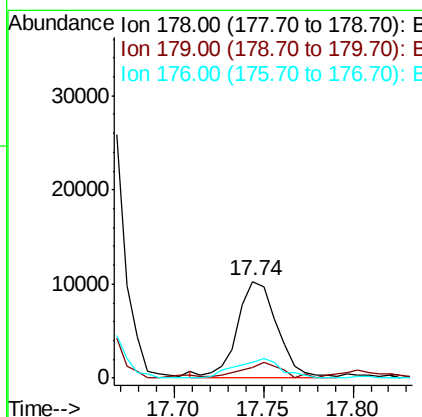
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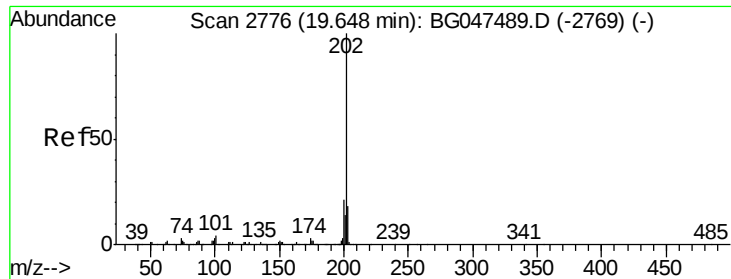
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#72
Anthracene
Concen: 1.470 ng/ul m
RT: 17.74 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG047494.D
Acq: 1 Dec 2020 11:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	11.6	11.7	17.5#
176	15.8	15.4	23.0





#77

Fluoranthene

Concen: 14.020 ng/ul

RT: 19.65 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Instrument :

BNA_G

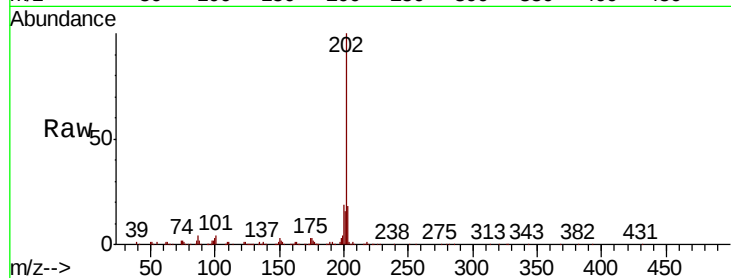
ClientSampleId :

C0B49

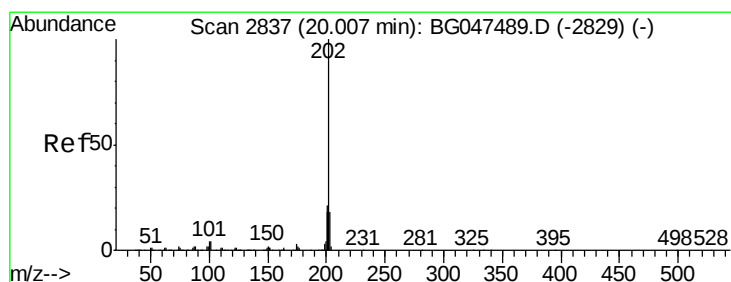
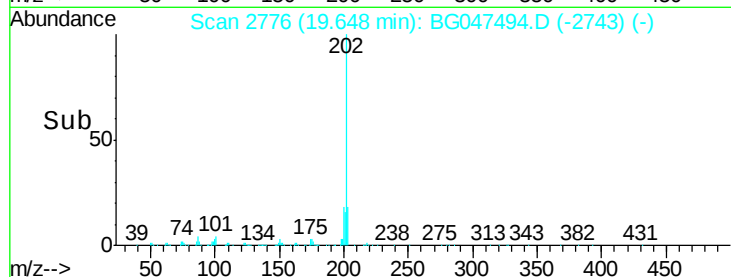
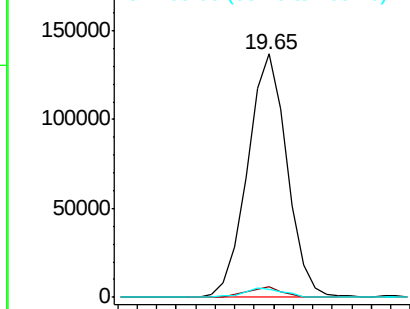
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		191749		
101	4.2	3.0	4.6		
100	3.1	3.0	4.6		

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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



#80

Pyrene

Concen: 13.279 ng/ul

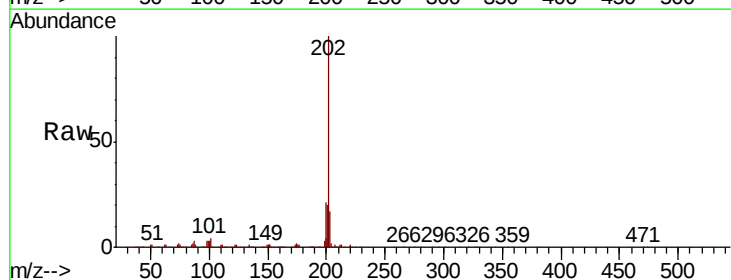
RT: 20.01 min Scan# 2837

Delta R.T. -0.01 min

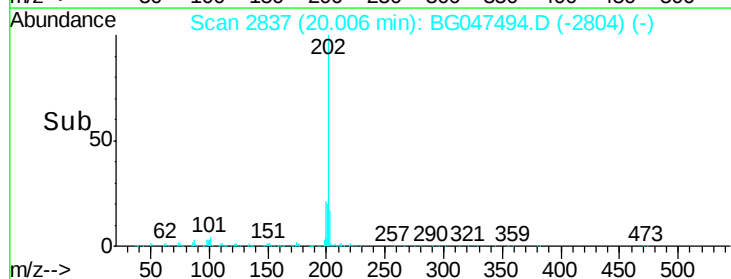
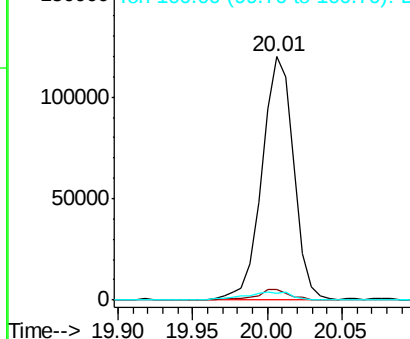
Lab File: BG047494.D

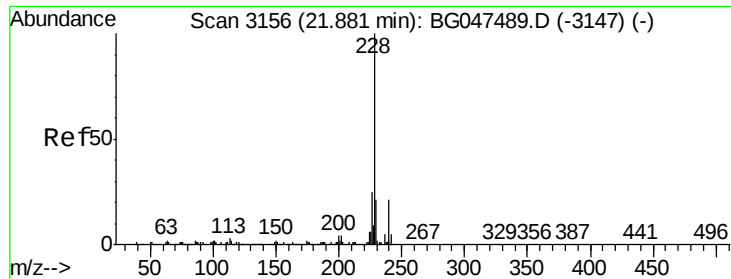
Acq: 1 Dec 2020 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		175767		
101	4.1	3.5	5.3		
100	2.9	3.4	5.0#		



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





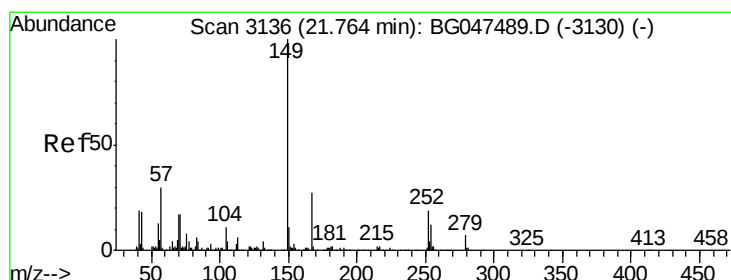
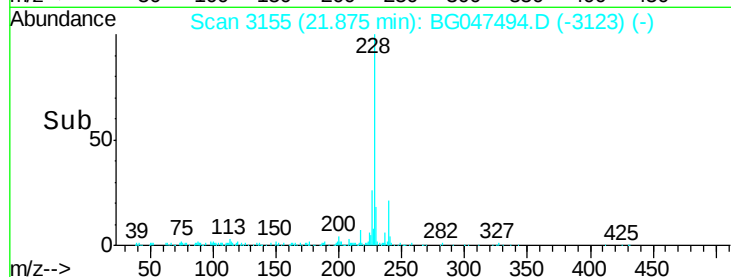
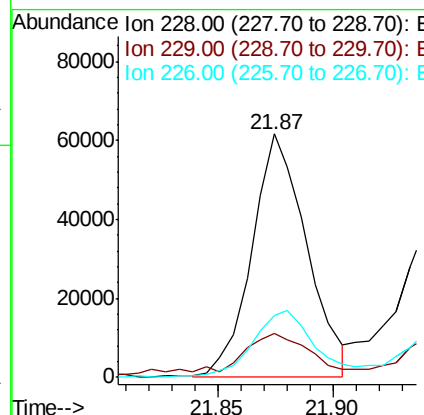
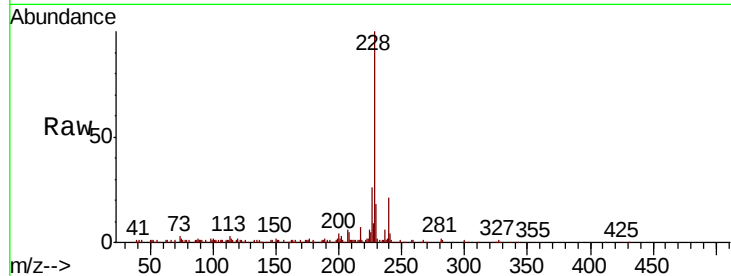
#83
Benzo(a)anthracene
Concen: 7.644 ng/ul
RT: 21.87 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG047494.D
Acq: 1 Dec 2020 11:32

Instrument :
BNA_G
ClientSampleId :
C0B49

Tot Ion	Ratio	Lower	Upper
228	100		
229	18.1	15.6	23.4
226	25.6	21.7	32.5

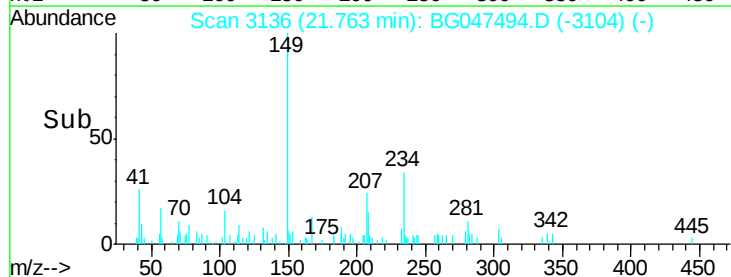
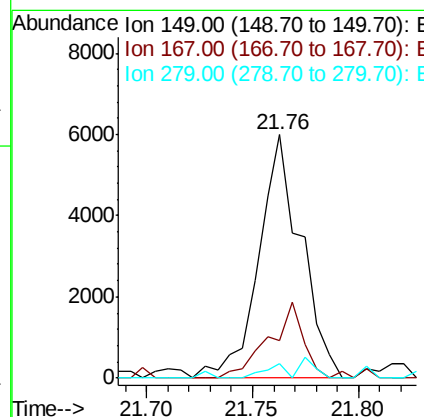
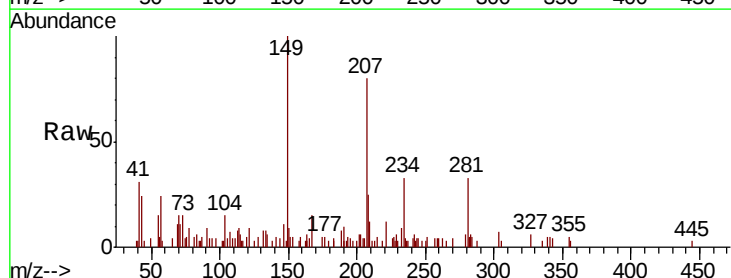
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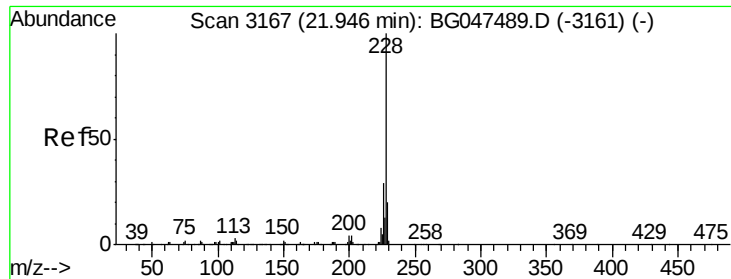
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#84
Bis(2-ethylhexyl)phthalate
Concen: 1.286 ng/ul
RT: 21.76 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG047494.D
Acq: 1 Dec 2020 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	15.4	23.4	35.2#
279	6.2	5.9	8.9





#85

Chrysene

Concen: 7.092 ng/ul

RT: 21.95 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Instrument :

BNA_G

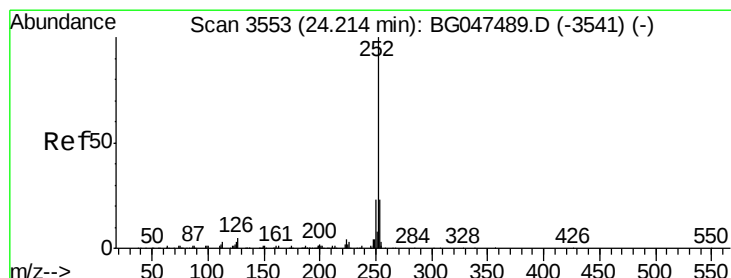
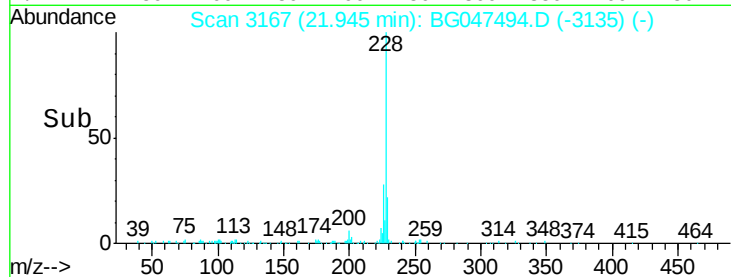
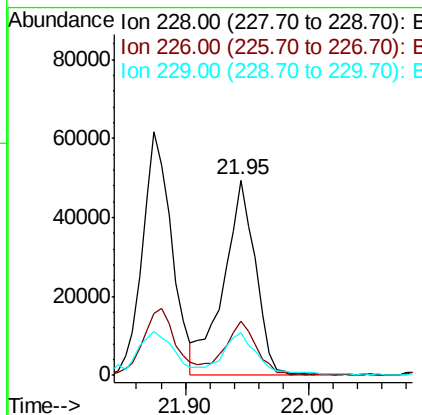
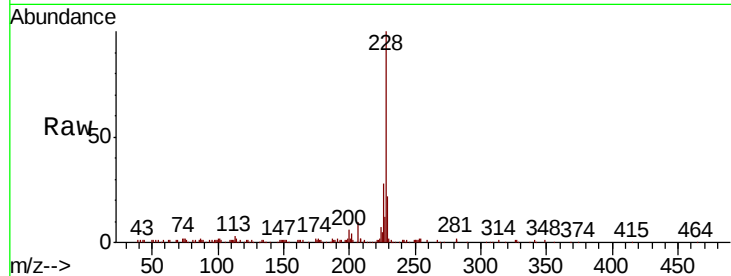
ClientSampleId :

C0B49

Tot Ion:	228	Resp:	89732
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.3	33.5
229	22.0	16.5	24.7

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#88

Benzo(b)fluoranthene

Concen: 7.007 ng/ul

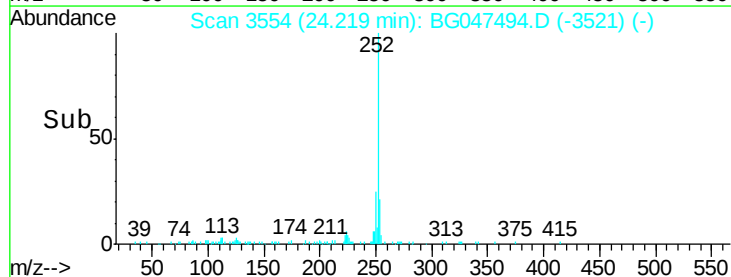
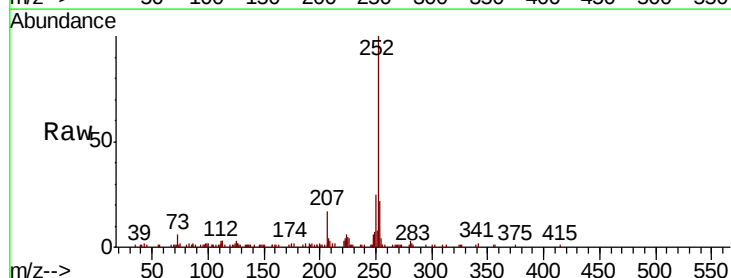
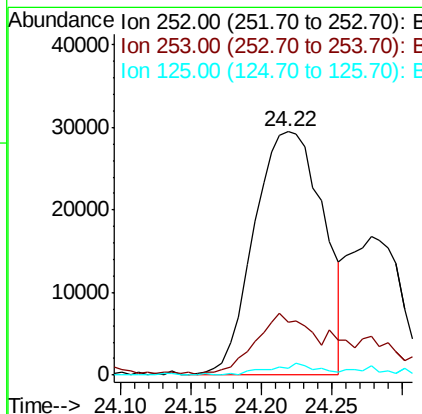
RT: 24.22 min Scan# 3554

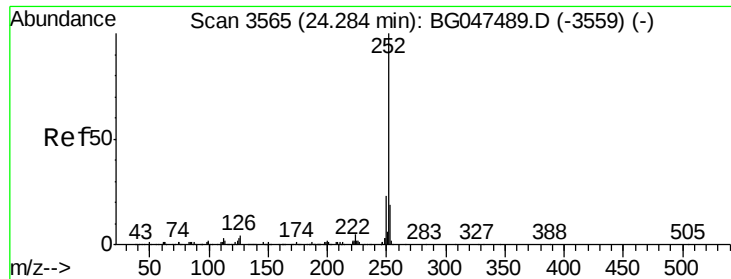
Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Tgt Ion:	252	Resp:	100498
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.6	25.0
125	2.9	2.7	4.1





#89

Benzo(k)fluoranthene

Concen: 3.177 ng/ul m

RT: 24.28 min Scan# 3564

Delta R.T. -0.02 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Instrument :

BNA_G

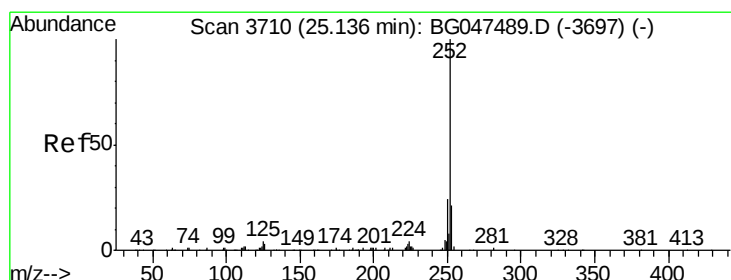
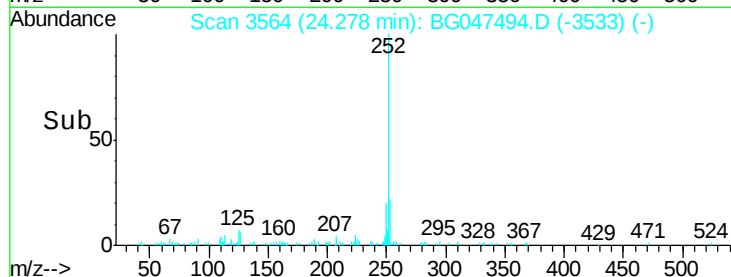
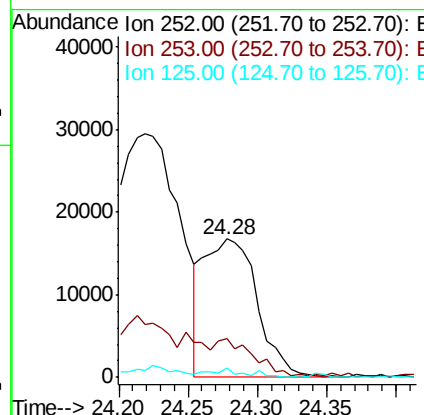
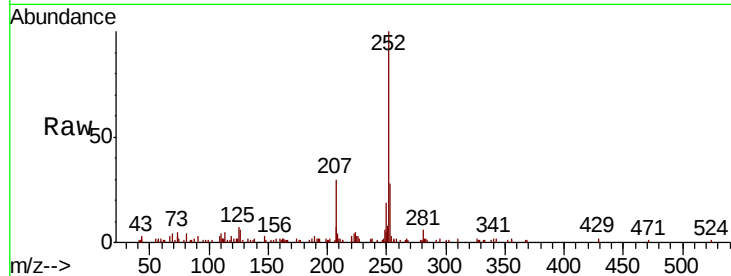
ClientSampleId :

C0B49

Tot Ion:	252	Resp:	44902
Ion Ratio	Lower	Upper	
252	100		
253	28.1	18.2	27.4#
125	6.9	2.2	3.2#

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#91

Benzo(a)pyrene

Concen: 5.876 ng/ul

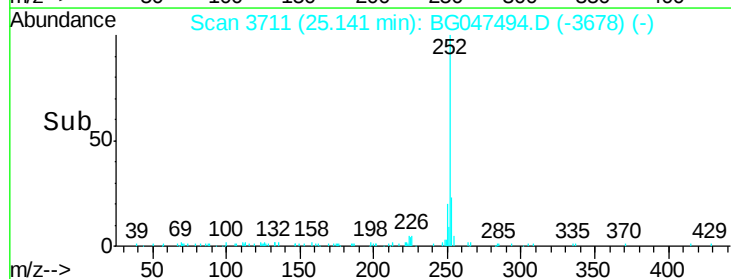
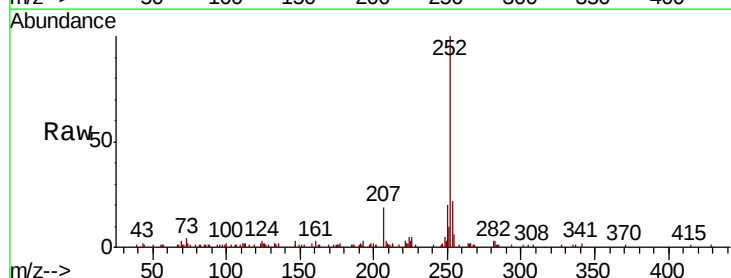
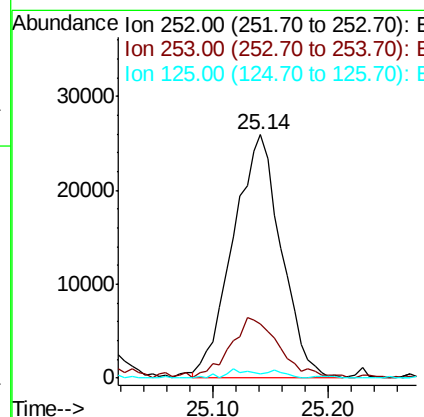
RT: 25.14 min Scan# 3711

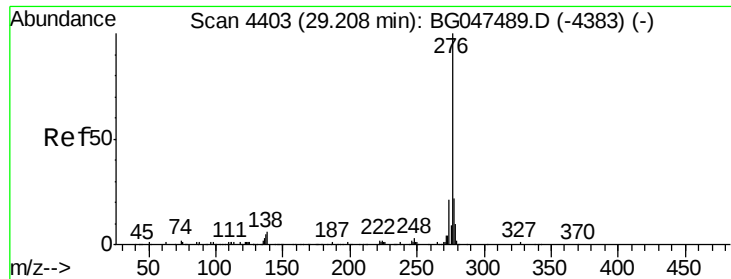
Delta R.T. -0.01 min

Lab File: BG047494.D

Acq: 1 Dec 2020 11:32

Tgt Ion:	252	Resp:	75134
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.6	27.8
125	2.0	3.1	4.7#





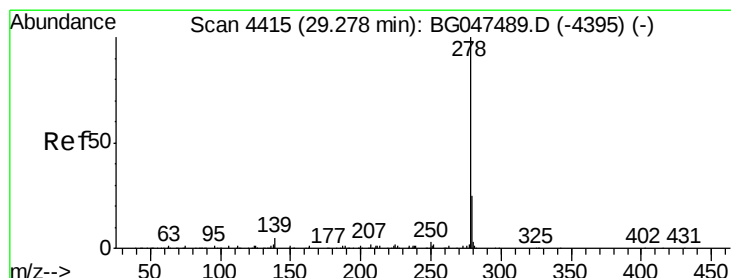
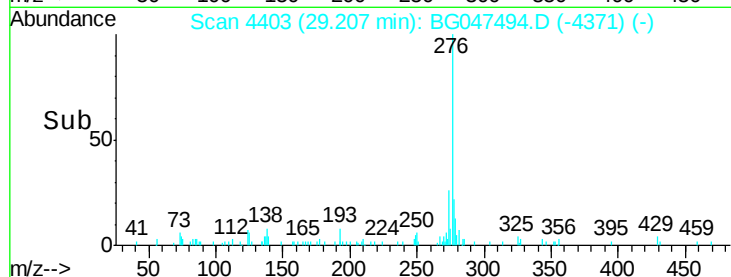
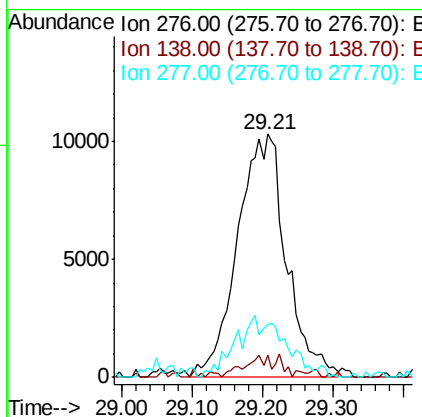
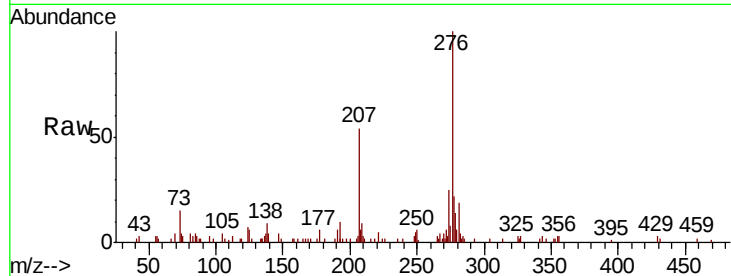
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.205 ng/ul m
 RT: 29.21 min Scan# 4403
 Delta R.T. -0.01 min
 Lab File: BG047494.D
 Acq: 1 Dec 2020 11:32

Instrument :
 BNA_G
 ClientSampleId :
 C0B49

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.2	5.0	7.6#
277	21.5	16.5	24.7

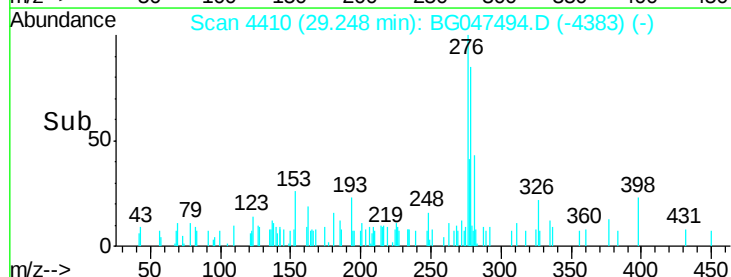
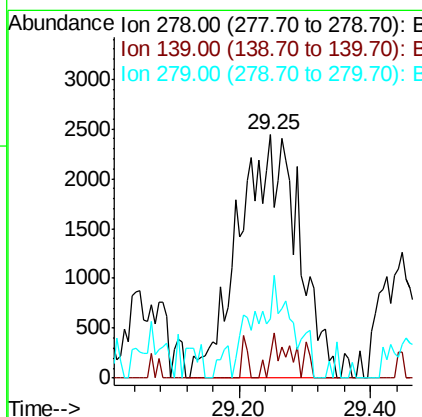
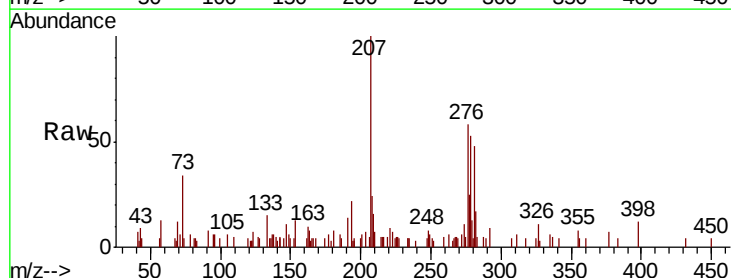
Manual Integrations
 APPROVED

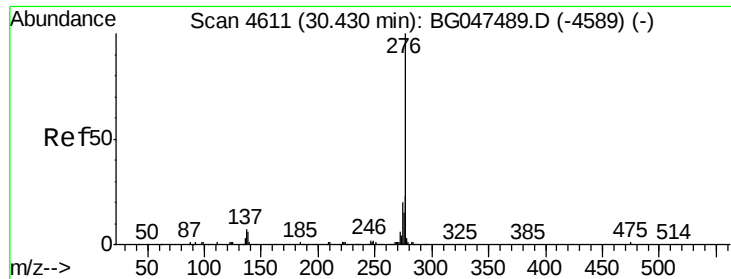
mohammad
 12/2/2020 2:25:49 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 1.200 ng/ul m
 RT: 29.25 min Scan# 4410
 Delta R.T. -0.04 min
 Lab File: BG047494.D
 Acq: 1 Dec 2020 11:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.0	4.6	7.0#
279	24.4	18.2	27.2





#94
 Benzo(a,h,i)perylene
 Concen: 3.101 ng/ul m
 RT: 30.43 min Scan# 4611
 Delta R.T. -0.02 min
 Lab File: BG047494.D
 Acq: 1 Dec 2020 11:32

Instrument :
 BNA_G
 ClientSampleId :
 C0B49

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.3	5.8	8.6
277	25.1	17.4	26.2

Manual Integrations
 APPROVED

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