

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
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Quant Time: Nov 25 01:46:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35373	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	130235	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	96405	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	212312m	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	190575	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	200168	20.00	ng/ul	0.00

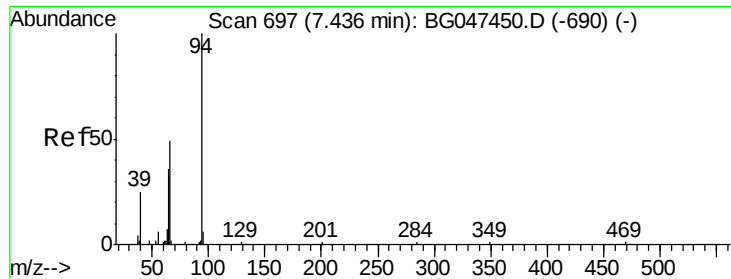
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1875	1.93	ng/uL	0.00
5) Phenol-d5	7.40	99	50123	14.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	26937	13.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	39126	16.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	36597	13.42	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	19848	18.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	20972	17.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	46957	17.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	36494	13.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	140570	16.98	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	169018	17.67	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	14623	11.58	ng/ul	0.00
58) Fluorene-d10	15.87	176	130541	17.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	9359m	7.74	ng/ul	0.00
71) Anthracene-d10	17.72	188	188395	17.89	ng/ul	0.00
79) Pyrene-d10	19.99	212	211059	19.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	214797	18.64	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.44	94	8445	2.485	ng/ul# 88
45) Dimethylphthalate	14.32	163	31616	3.745	ng/ul# 97
50) Acenaphthene	14.94	153	8876	1.423	ng/ul# 82
59) Fluorene	15.92	166	12385	1.605	ng/ul 87
70) Phenanthrene	17.66	178	443813m	38.709	ng/ul
72) Anthracene	17.75	178	49247	4.265	ng/ul 97
75) Carbazole	18.01	167	41363m	4.441	ng/ul
77) Fluoranthene	19.66	202	1079964	74.585	ng/ul 99
80) Pyrene	20.01	202	875328	64.842	ng/ul 99
83) Benzo(a)anthracene	21.88	228	487398	35.944	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.77	149	11916	1.803	ng/ul# 92
85) Chrysene	21.95	228	544650	42.208	ng/ul 96
88) Benzo(b)fluoranthene	24.23	252	680923	48.180	ng/ul# 98
89) Benzo(k)fluoranthene	24.29	252	256458m	18.414	ng/ul
91) Benzo(a)pyrene	25.16	252	445508m	35.361	ng/ul
92) Indeno(1,2,3-cd)pyrene	29.22	276	274985	17.943	ng/ul# 90
93) Dibenzo(a,h)anthracene	29.27	278	78596m	6.255	ng/ul
94) Benzo(g,h,i)perylene	30.44	276	213527	16.886	ng/ul# 94

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



#6

Phenol

Concen: 2.485 ng/ul

RT: 7.44 min Scan# 697

Delta R.T. -0.00 min

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Instrument :

BNA_G

ClientSampleId :

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Tot Ion: 94 Resp: 8445

Ion Ratio Lower Upper

94 100

65 36.5 37.8 56.8#

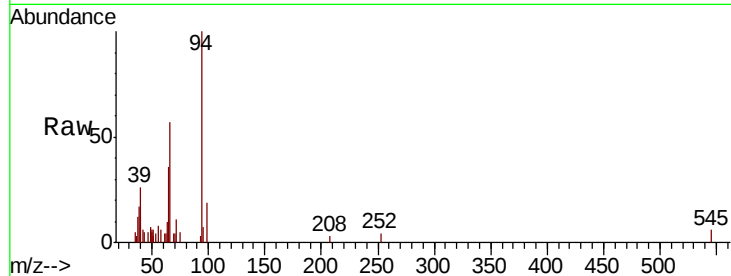
66 57.5 51.6 77.4

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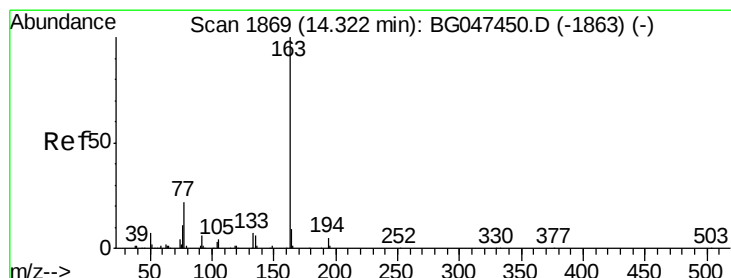
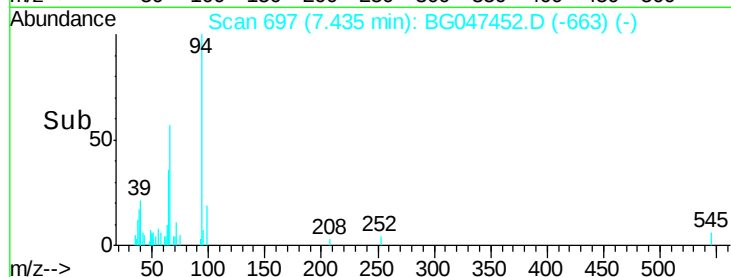
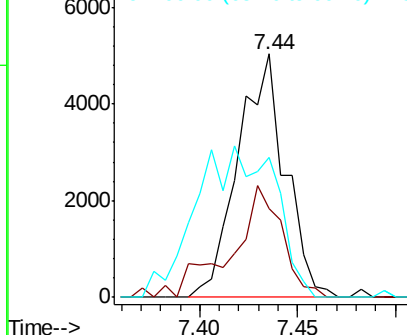
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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#45

Dimethylphthalate

Concen: 3.745 ng/ul

RT: 14.32 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

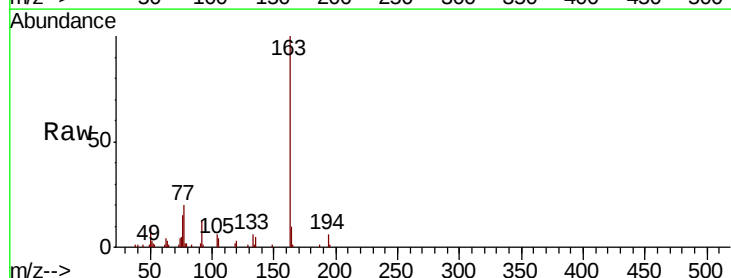
Tgt Ion:163 Resp: 31616

Ion Ratio Lower Upper

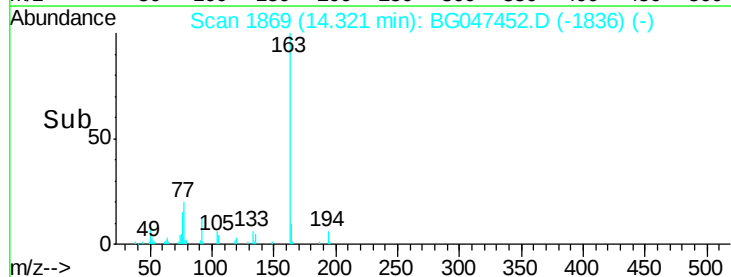
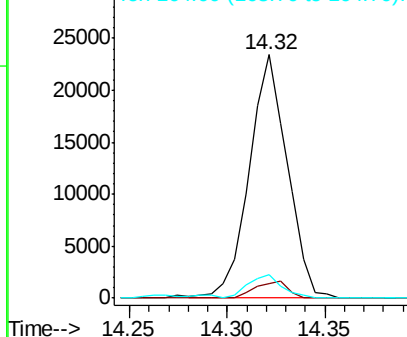
163 100

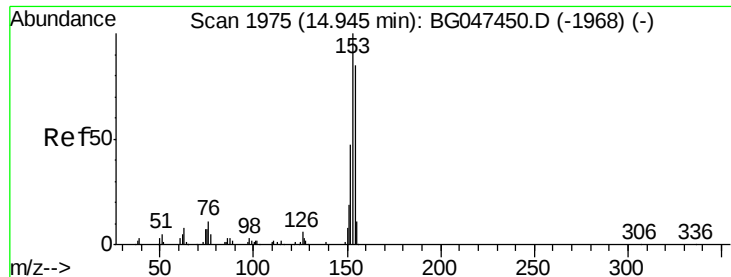
194 5.8 3.6 5.4#

164 9.6 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





#50

Acenaphthene

Concen: 1.423 ng/ul

RT: 14.94 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

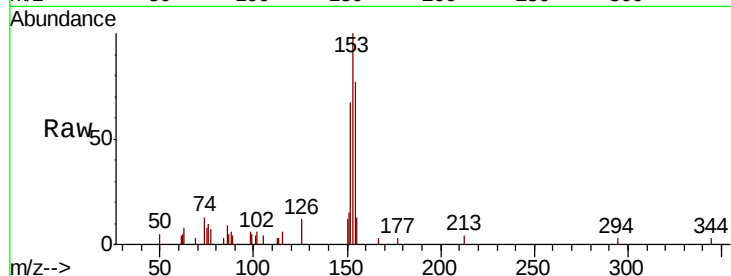
ClientSampleId :

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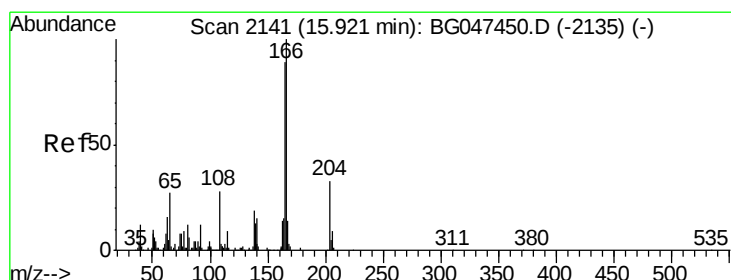
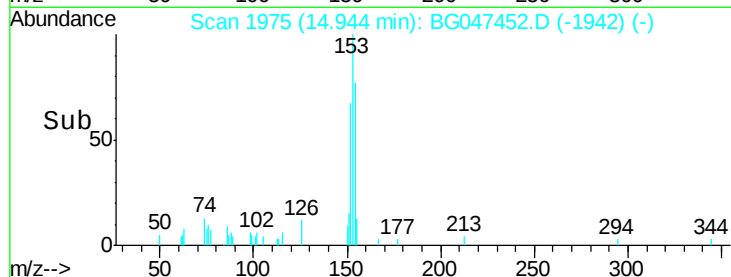
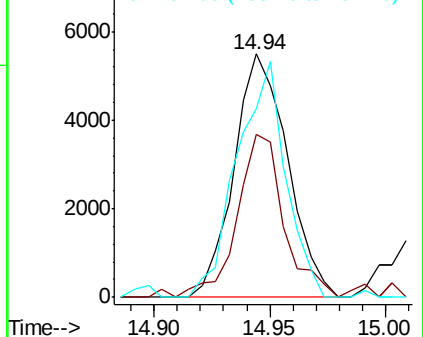
Tot Ion:	153	Resp:	8876
Ion	Ratio	Lower	Upper
153	100		
152	67.0	36.9	55.3#
154	77.5	69.7	104.5

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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



#59

Fluorene

Concen: 1.605 ng/ul

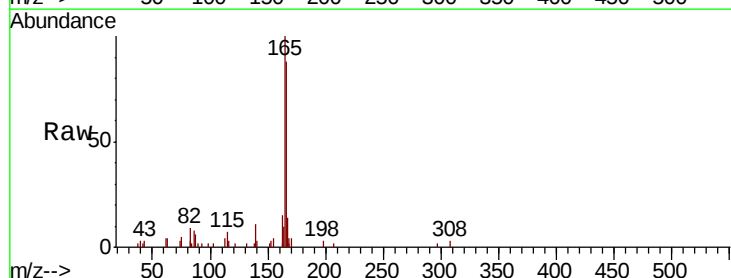
RT: 15.92 min Scan# 2141

Delta R.T. -0.01 min

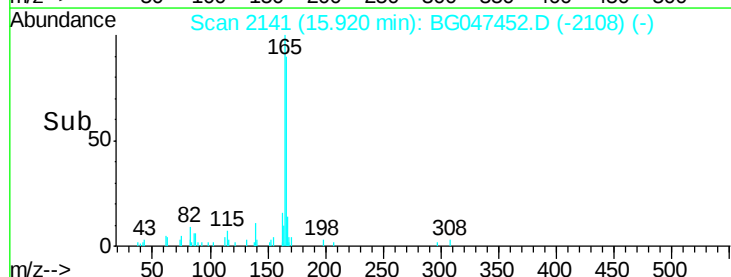
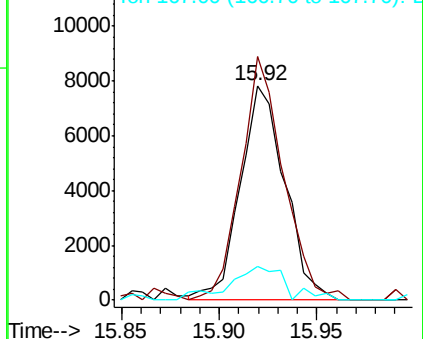
Lab File: BG047452.D

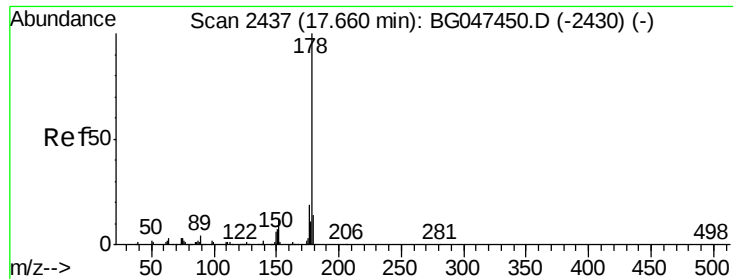
Acq: 24 Nov 2020 18:48

Tgt Ion:	166	Resp:	12385
Ion	Ratio	Lower	Upper
166	100		
165	113.6	79.8	119.6
167	15.6	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





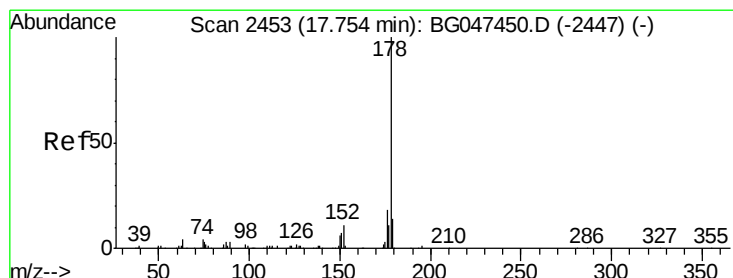
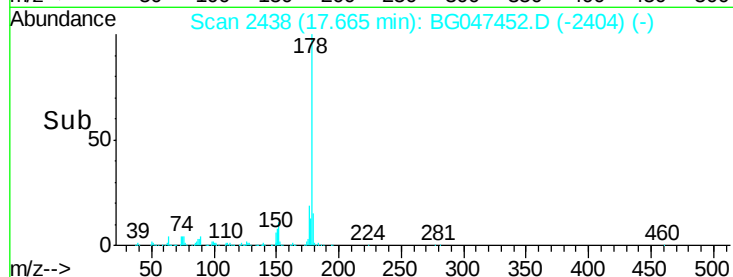
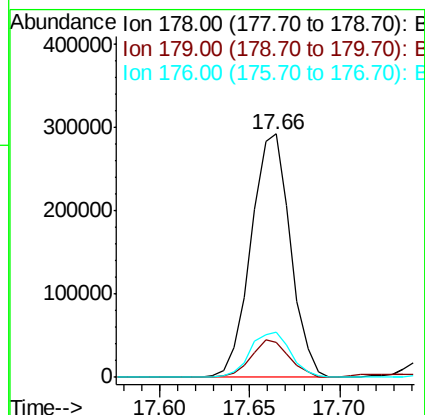
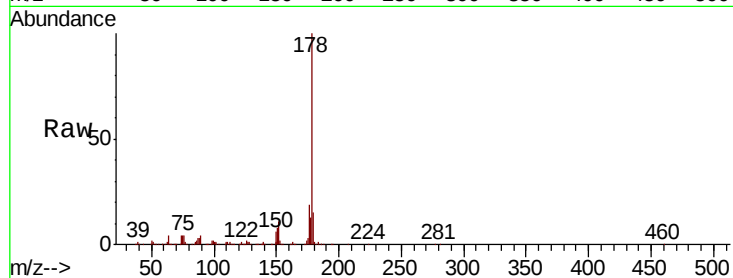
#70
Phenanthrene
Concen: 38.709 ng/ul m
RT: 17.66 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	14.6	11.8	17.6
176	18.7	13.9	20.9

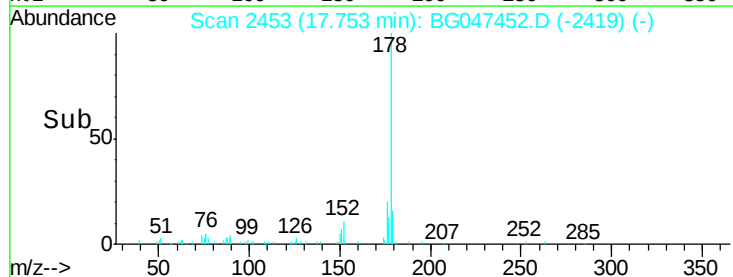
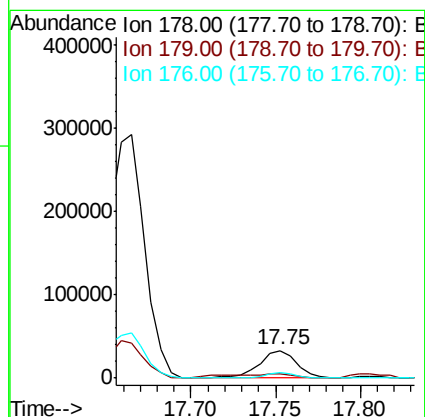
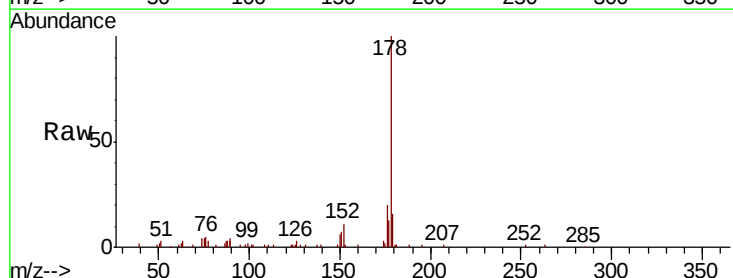
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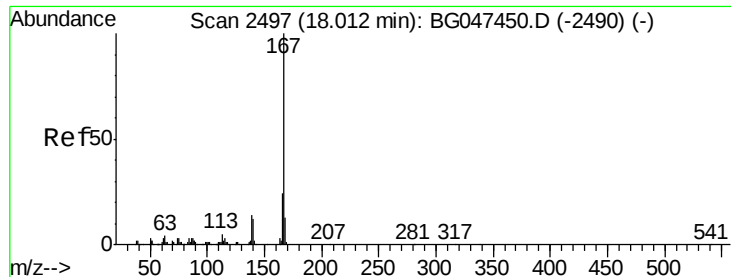
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#72
Anthracene
Concen: 4.265 ng/ul
RT: 17.75 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	20.0	15.4	23.0





#75

Carbazole

Concen: 4.441 ng/ul m

RT: 18.01 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

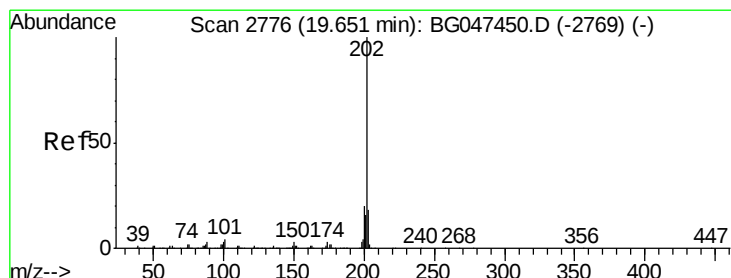
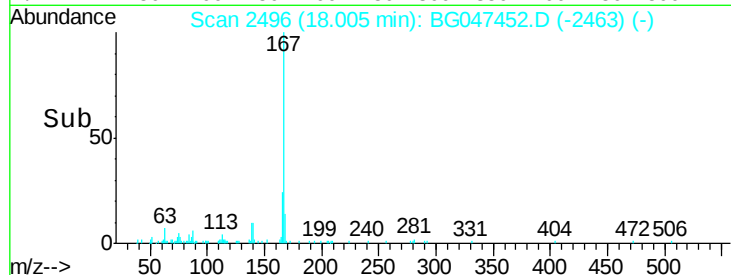
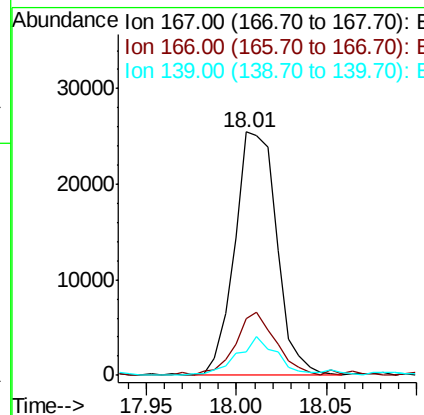
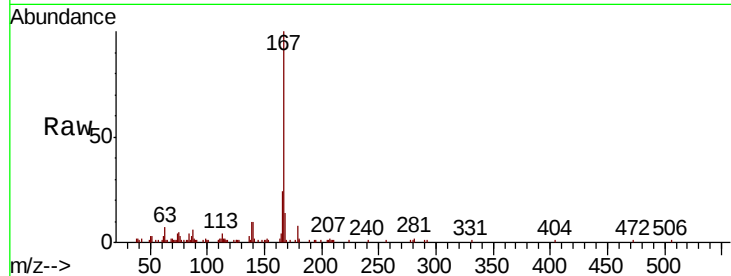
ClientSampleId :

C0B90

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	23.5	19.2	28.8	
139	9.8	10.0	15.0	

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#77

Fluoranthene

Concen: 74.585 ng/ul

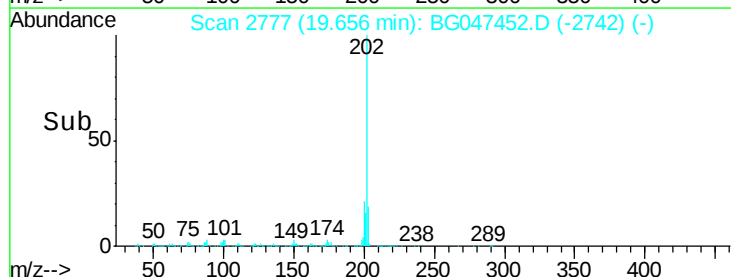
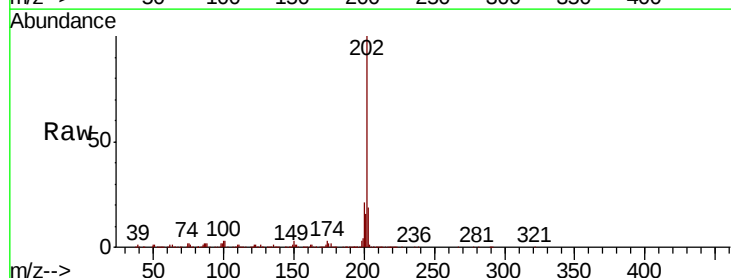
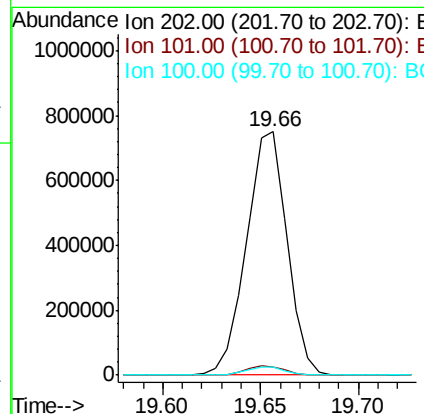
RT: 19.66 min Scan# 2777

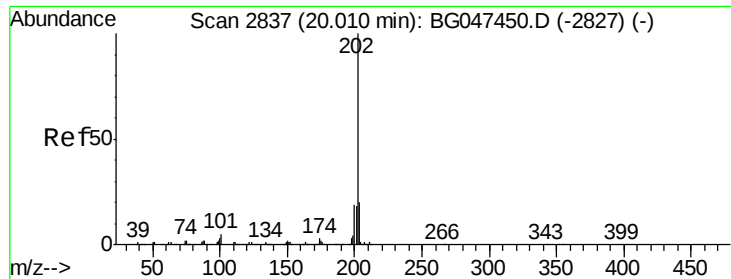
Delta R.T. 0.00 min

Lab File: BG047452.D

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Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	3.4	3.0	4.6	
100	3.3	3.0	4.6	





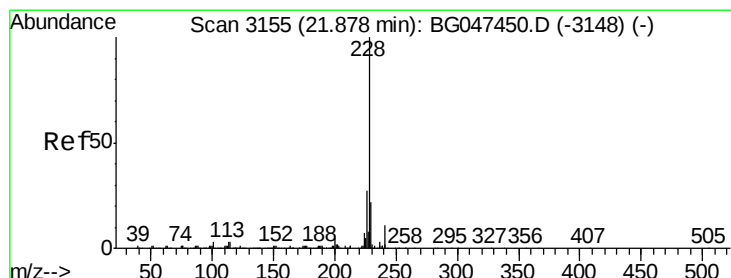
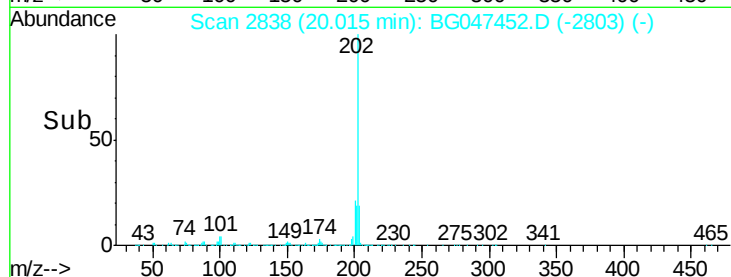
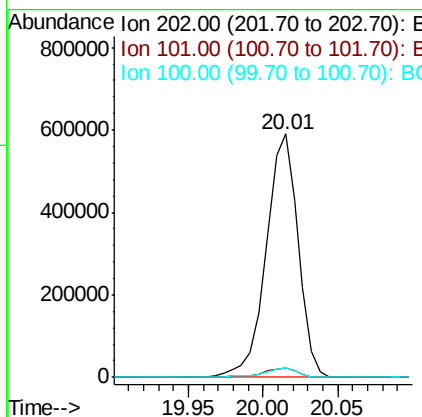
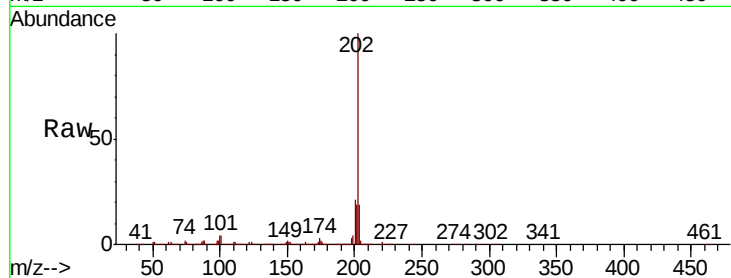
#80
Pvrene
Concen: 64.842 ng/ul
RT: 20.01 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	3.8	3.5	5.3
100	3.8	3.4	5.0

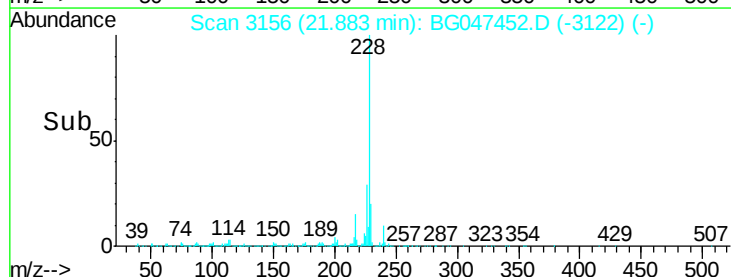
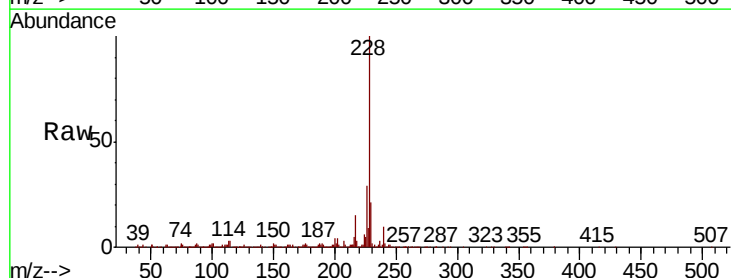
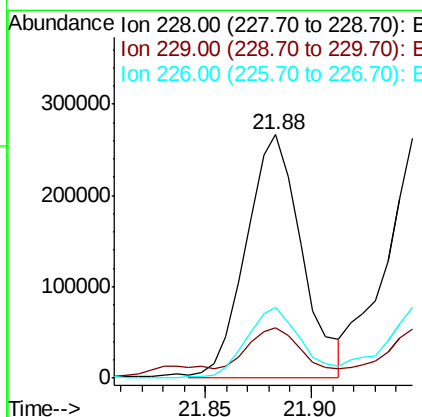
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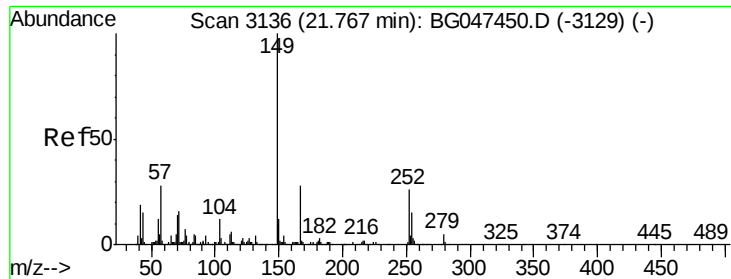
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#83
Benzo(a)anthracene
Concen: 35.944 ng/ul
RT: 21.88 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.8	15.6	23.4
226	29.1	21.7	32.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.803 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

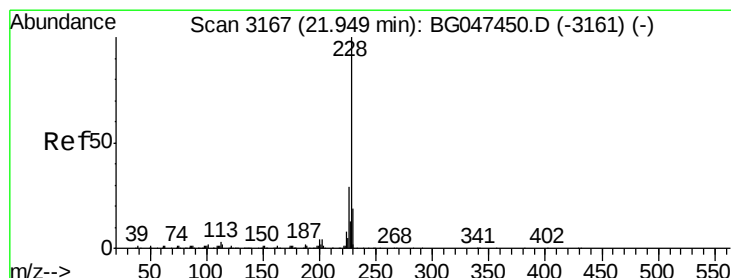
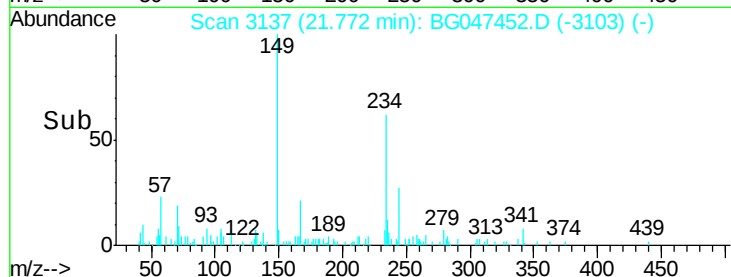
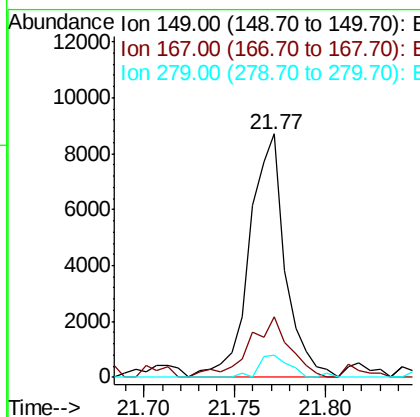
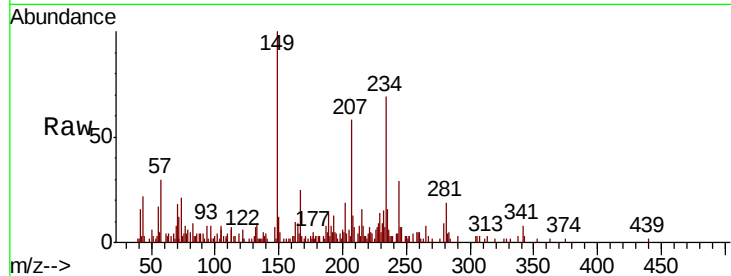
ClientSampleId :

C0B90

Tot Ion:	149	Resp:	11916
Ion Ratio	Lower	Upper	
149	100		
167	24.9	23.4	35.2
279	8.9	5.9	8.9#

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#85

Chrysene

Concen: 42.208 ng/ul

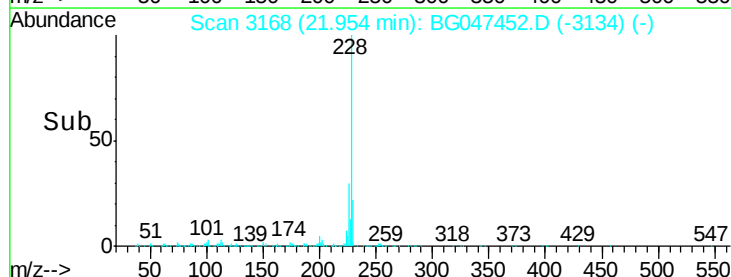
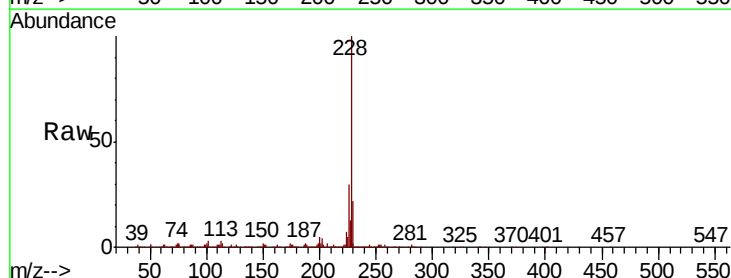
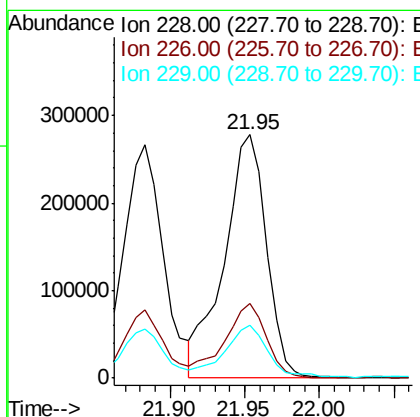
RT: 21.95 min Scan# 3168

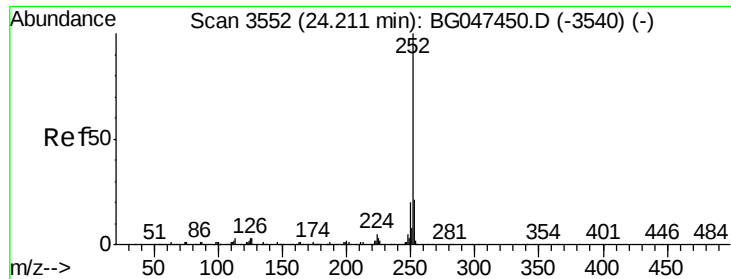
Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Tgt Ion:	228	Resp:	544650
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.3	33.5
229	21.9	16.5	24.7





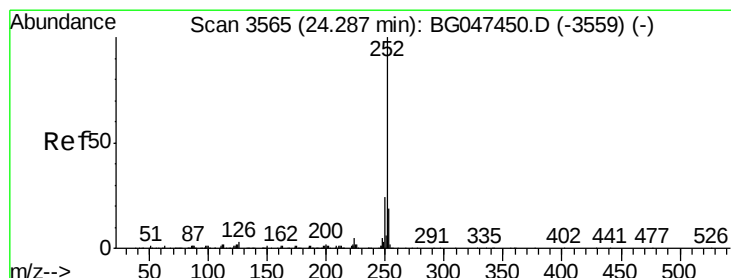
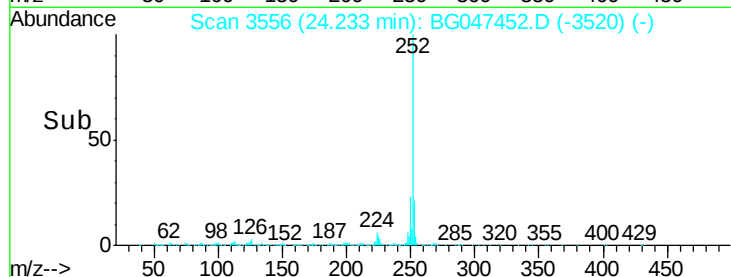
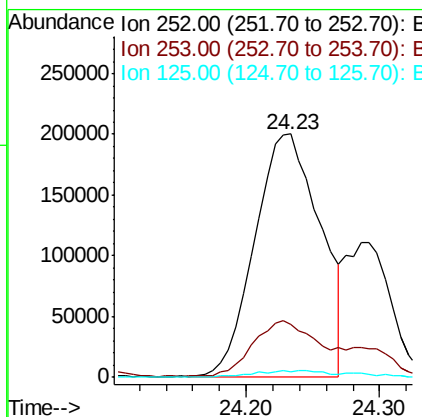
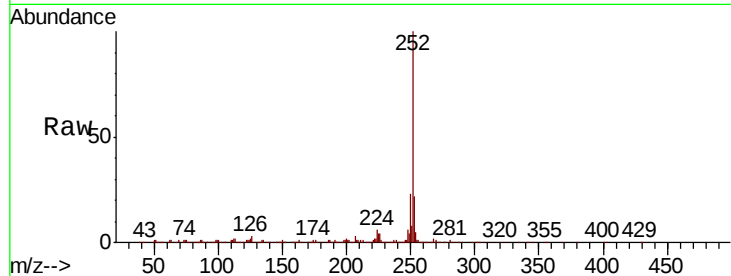
#88
Benzo(b)fluoranthene
Concen: 48.180 ng/ul
RT: 24.23 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
C0B90

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.6	25.0
125	2.4	2.7	4.1

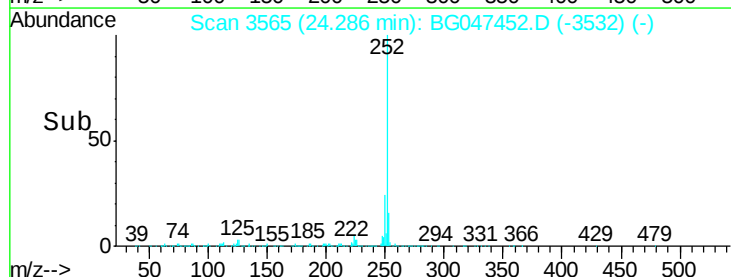
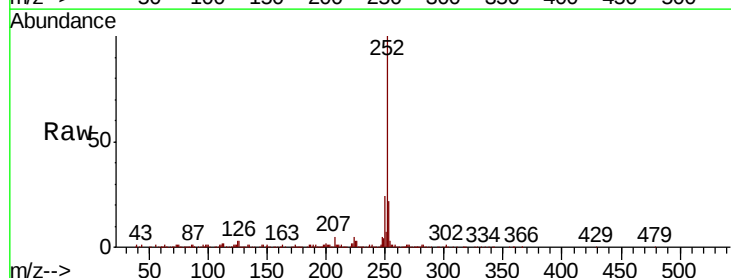
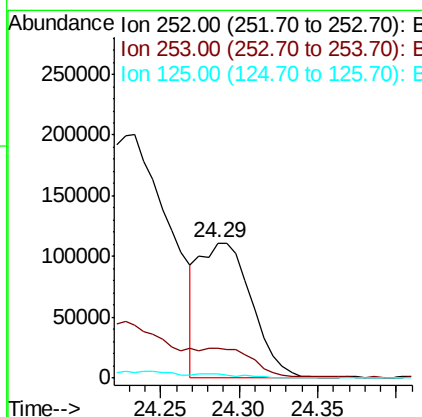
Manual Integrations
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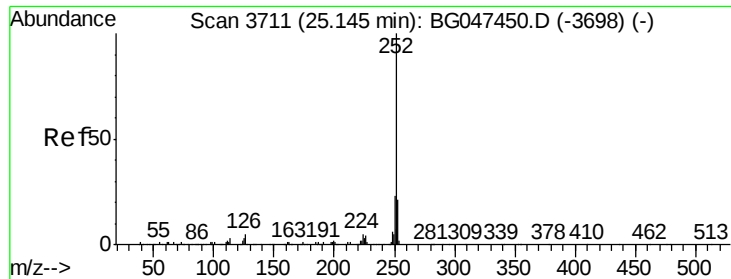
mohammad
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#89
Benzo(k)fluoranthene
Concen: 18.414 ng/ul m
RT: 24.29 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	3.1	2.2	3.2





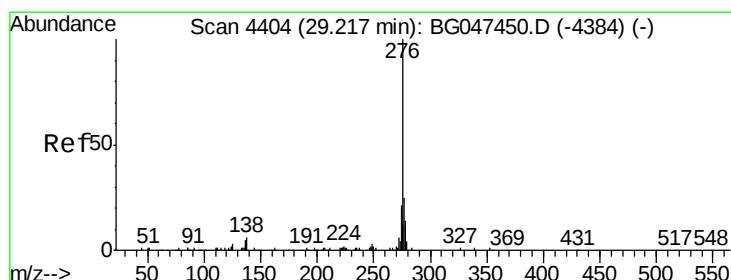
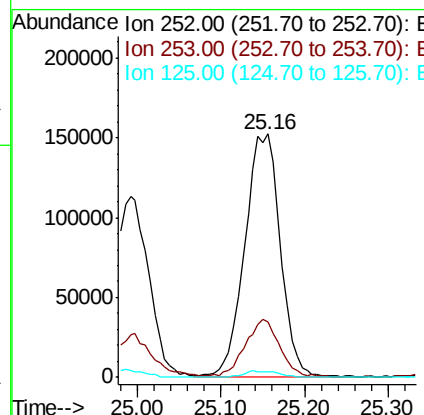
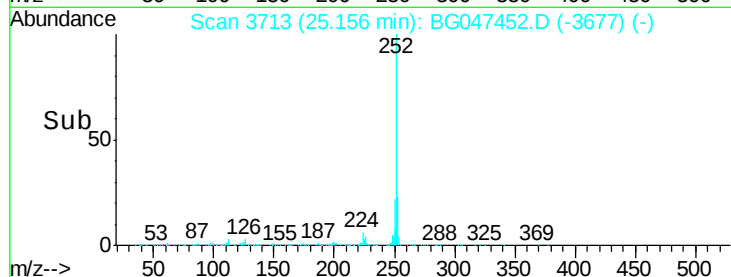
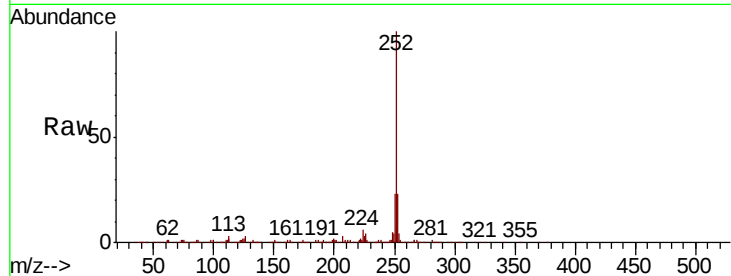
#91
Benzo(a)pyrene
Concen: 35.361 ng/ul m
RT: 25.16 min Scan# 3713
Delta R.T. 0.01 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Instrument :
BNA_G
ClientSampleId :
C0B90

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	2.1	3.1	4.7#

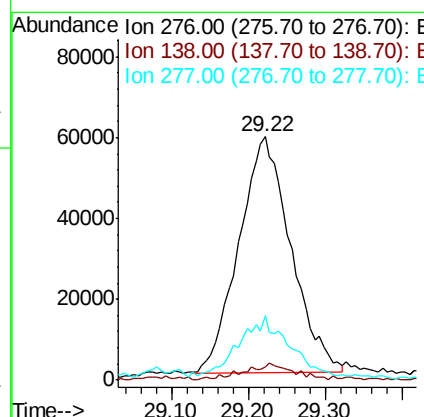
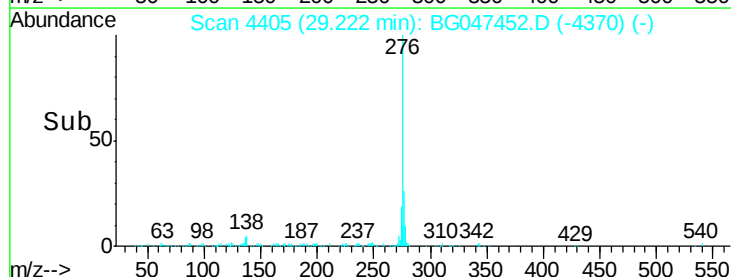
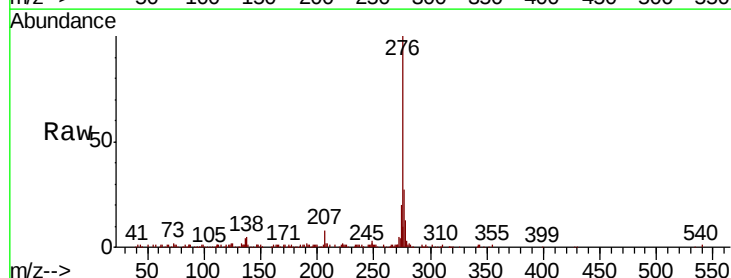
Manual Integrations
APPROVED

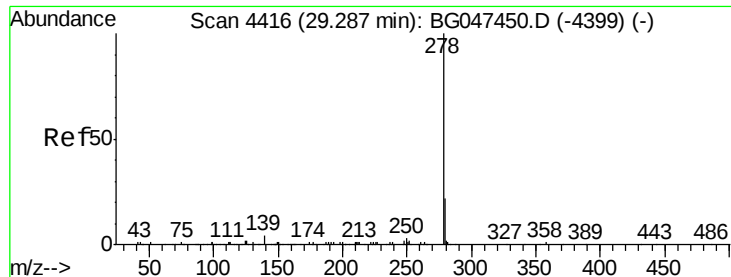
mohammad
11/25/2020 12:48:28 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 17.943 ng/ul
RT: 29.22 min Scan# 4405
Delta R.T. 0.00 min
Lab File: BG047452.D
Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.5	5.0	7.6
277	26.6	16.5	24.7#





#93

Dibenzo(a,h)anthracene

Concen: 6.255 ng/ul m

RT: 29.27 min Scan# 4413

Delta R.T. -0.02 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Instrument :

BNA_G

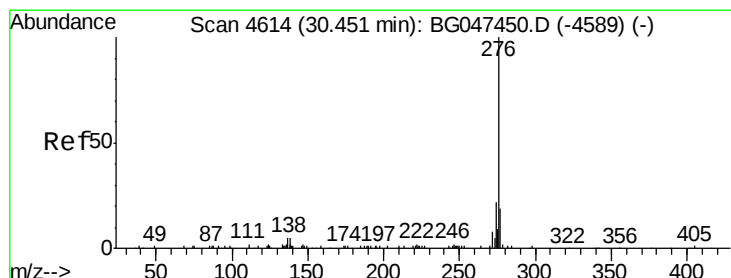
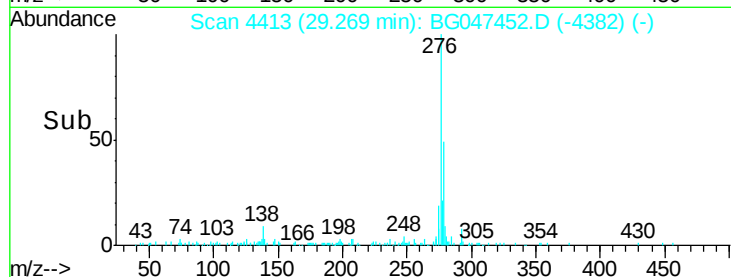
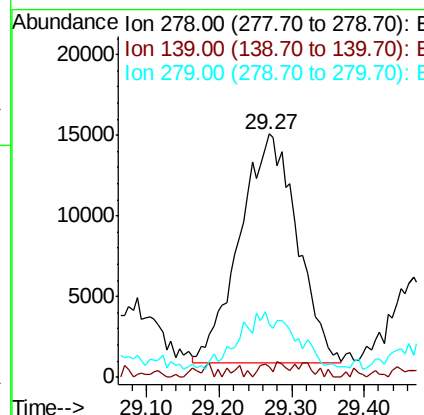
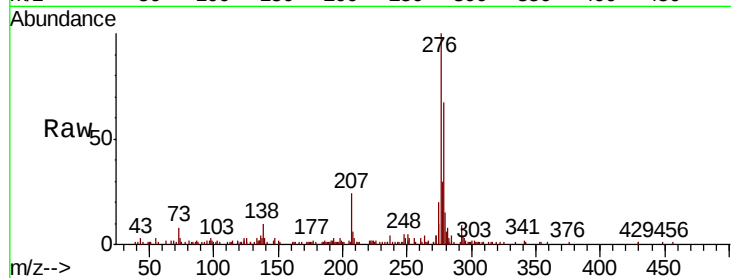
ClientSampleId :

C0B90

Tot Ion	Ratio	Lower	Upper
278	100		
139	4.6	4.6	7.0#
279	21.9	18.2	27.2

Manual Integrations
APPROVED

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#94

Benzo(g,h,i)perylene

Concen: 16.886 ng/ul

RT: 30.44 min Scan# 4613

Delta R.T. -0.00 min

Lab File: BG047452.D

Acq: 24 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.5	5.8	8.6#
277	24.6	17.4	26.2

