

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061274.D
 Acq On : 23 May 2024 16:47
 Operator : MA/JU
 Sample : P2547-03
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5P1

Quant Time: May 24 00:36:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

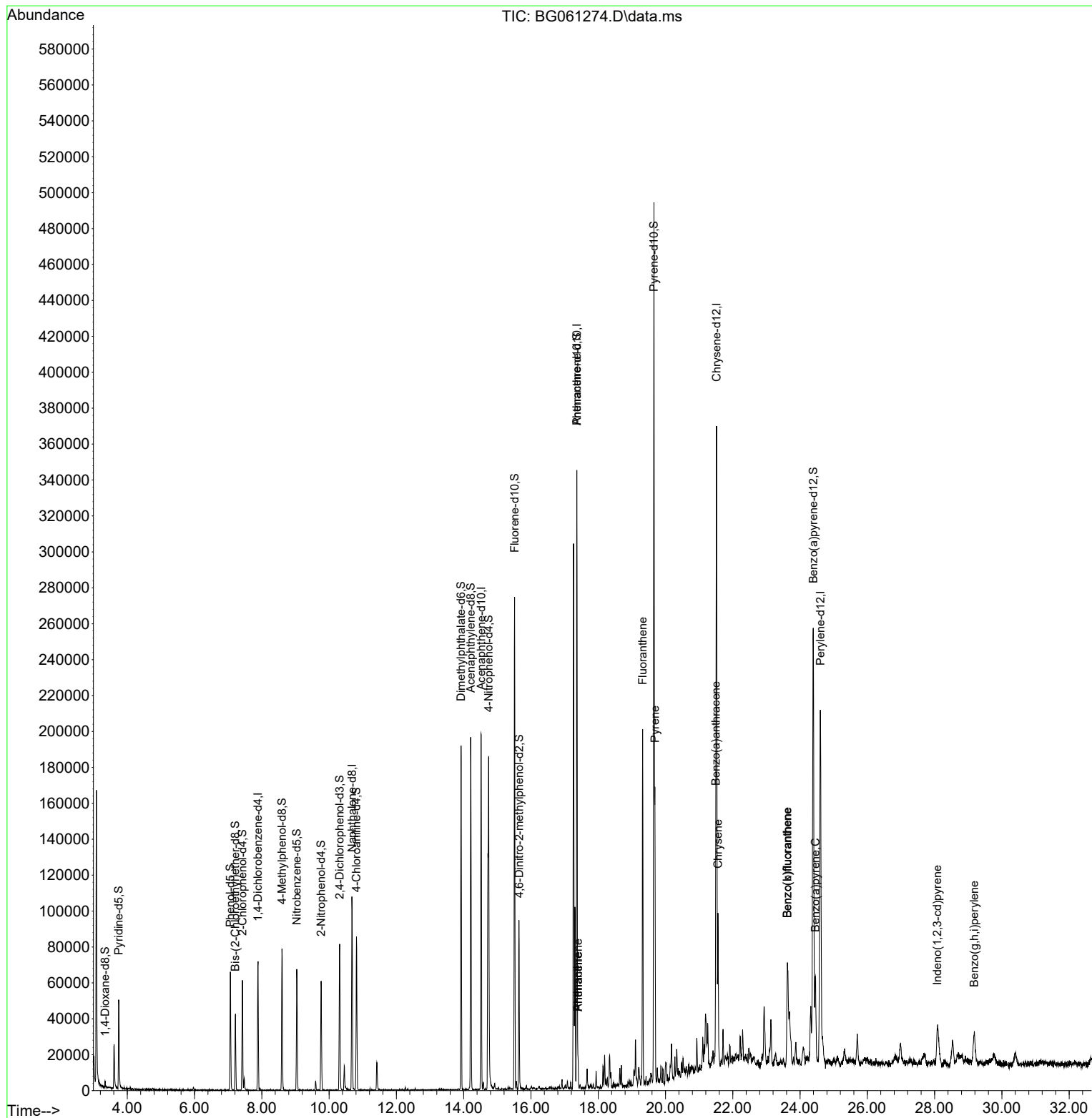
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	19077	20.000	ng/ul	0.00
20) Naphthalene-d8	10.678	136	82159	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.521	164	73283	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.364	188	202638	20.000	ng/ul	0.09
79) Chrysene-d12	21.518	240	195303	20.000	ng/ul	0.00
88) Perylene-d12	24.603	264	211928	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	1411	4.139	ng/uL	0.00
4) Pyridine-d5	3.745	84	20346	16.777	ng/ul	0.00
7) Phenol-d5	7.065	99	29641	18.920	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	20370	20.687	ng/ul	0.00
11) 2-Chlorophenol-d4	7.423	132	23253	20.056	ng/ul	0.00
15) 4-Methylphenol-d8	8.598	113	26399	19.762	ng/ul	0.00
21) Nitrobenzene-d5	9.039	128	12635	19.974	ng/ul	0.00
24) 2-Nitrophenol-d4	9.762	143	14869	20.085	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	29779	20.633	ng/ul	0.00
31) 4-Chloroaniline-d4	10.813	131	39305	20.816	ng/ul	0.00
46) Dimethylphthalate-d6	13.921	166	123765	21.776	ng/ul	0.00
49) Acenaphthylene-d8	14.209	160	128741	21.787	ng/ul	0.00
54) 4-Nitrophenol-d4	14.744	143	14532	20.681	ng/ul	0.00
60) Fluorene-d10	15.514	176	112724	22.972	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	19371	15.805	ng/ul	0.00
73) Anthracene-d10	17.364	188	201993	22.610	ng/ul	0.00
81) Pyrene-d10	19.656	212	247690	24.700	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.392	264	249412	24.479	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.400	178	11804	1.200	ng/ul	93
74) Anthracene	17.400	178	11804	1.161	ng/ul	95
80) Fluoranthene	19.321	202	124236	10.327	ng/ul	99
82) Pyrene	19.685	202	107087	8.576	ng/ul	100
85) Benzo(a)anthracene	21.495	228	59930	4.447	ng/ul	96
87) Chrysene	21.560	228	56414	4.546	ng/ul	95
90) Benzo(b)fluoranthene	23.622	252	71920	5.700	ng/ul#	99
91) Benzo(k)fluoranthene	23.622	252	71920	5.615	ng/ul#	95
93) Benzo(a)pyrene	24.456	252	52679	4.397	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.081	276	16813	1.160	ng/ul#	93
96) Benzo(g,h,i)perylene	29.180	276	32643	2.832	ng/ul#	92

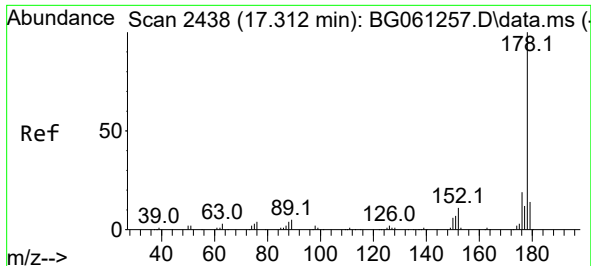
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
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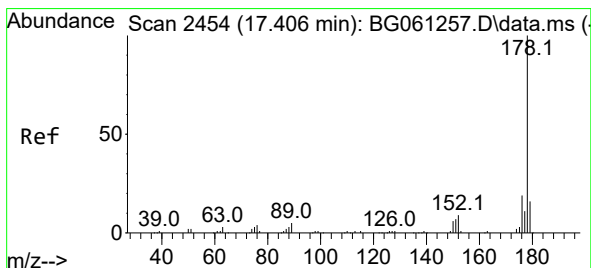
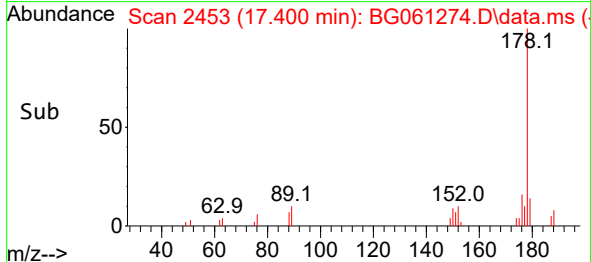
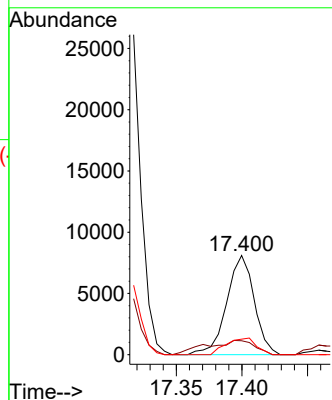
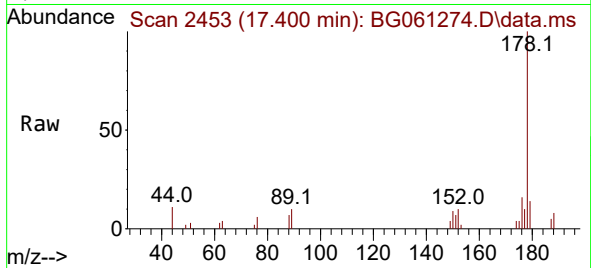




#72
Phenanthrene
Concen: 1.200 ng/ul
RT: 17.400 min Scan# 2438
Delta R.T. 0.087 min
Lab File: BG061274.D
Acq: 23 May 2024 16:47

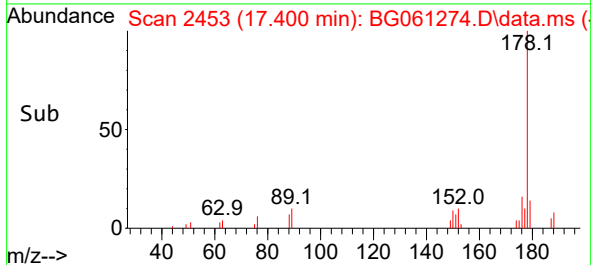
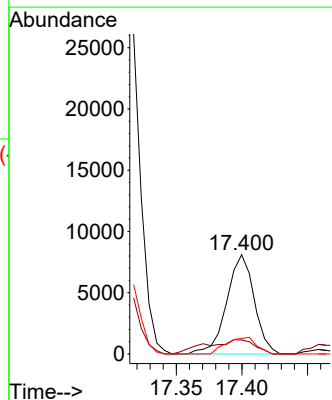
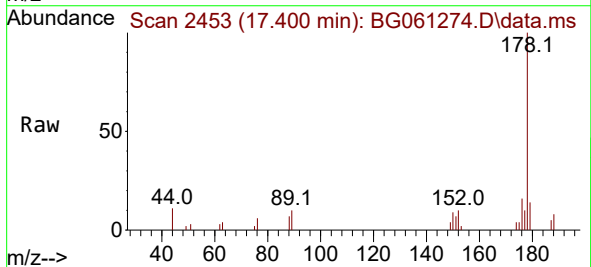
Instrument :
BNA_G
ClientSampleId :
BH5P1

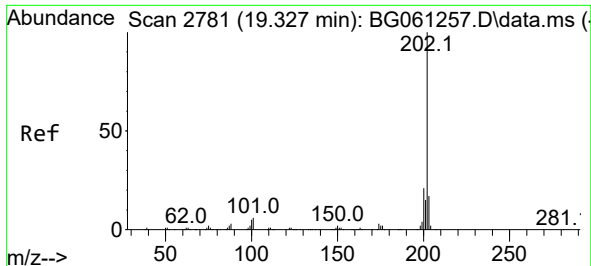
Tgt Ion:178 Resp: 11804
Ion Ratio Lower Upper
178 100
179 14.0 12.7 19.1
176 15.6 15.5 23.3



#74
Anthracene
Concen: 1.161 ng/ul
RT: 17.400 min Scan# 2453
Delta R.T. -0.001 min
Lab File: BG061274.D
Acq: 23 May 2024 16:47

Tgt Ion:178 Resp: 11804
Ion Ratio Lower Upper
178 100
179 14.0 11.8 17.6
176 15.6 14.9 22.3

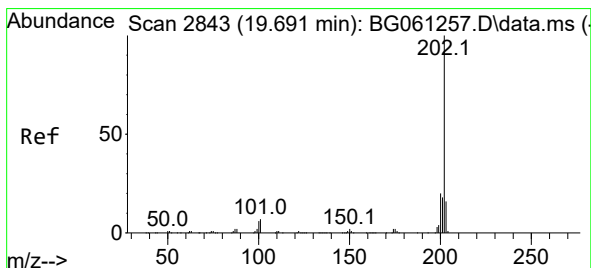
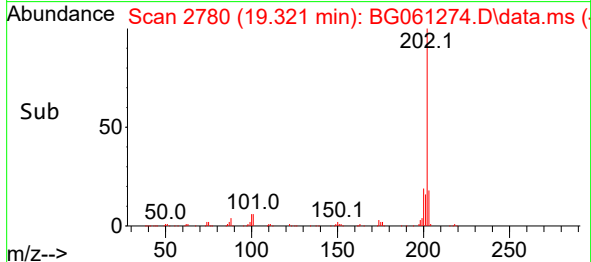
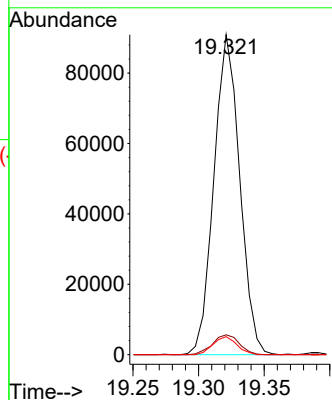
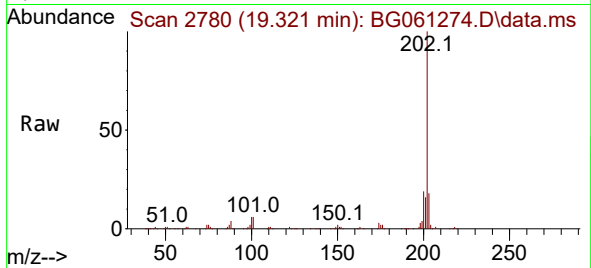




#80
 Fluoranthene
 Concen: 10.327 ng/ul
 RT: 19.321 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG061274.D
 Acq: 23 May 2024 16:47

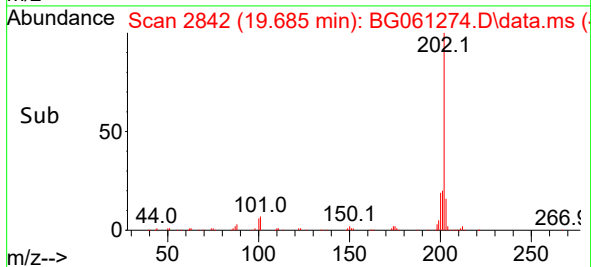
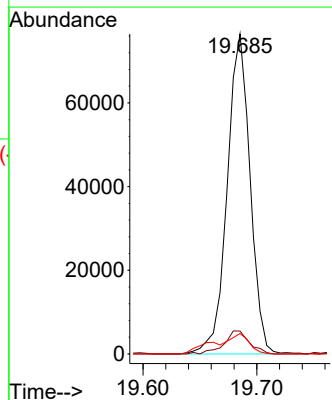
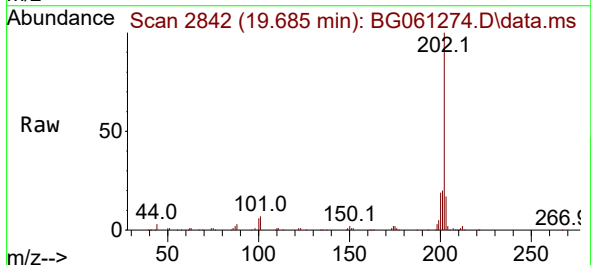
Instrument :
 BNA_G
 ClientSampleId :
 BH5P1

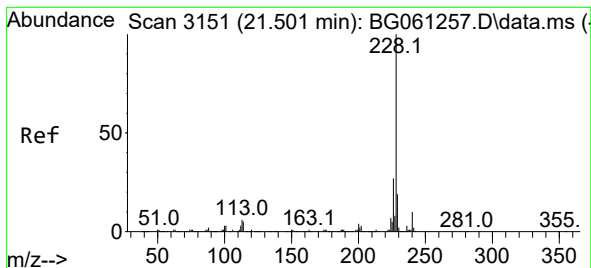
Tgt Ion:202 Resp: 124236
 Ion Ratio Lower Upper
 202 100
 101 6.2 4.8 7.2
 100 5.7 4.1 6.1



#82
 Pyrene
 Concen: 8.576 ng/ul
 RT: 19.685 min Scan# 2842
 Delta R.T. -0.001 min
 Lab File: BG061274.D
 Acq: 23 May 2024 16:47

Tgt Ion:202 Resp: 107087
 Ion Ratio Lower Upper
 202 100
 101 7.1 5.7 8.5
 100 6.4 5.1 7.7





#85

Benzo(a)anthracene

Concen: 4.447 ng/ul

RT: 21.495 min Scan# 3150

Delta R.T. -0.007 min

Lab File: BG061274.D

Acq: 23 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

BH5P1

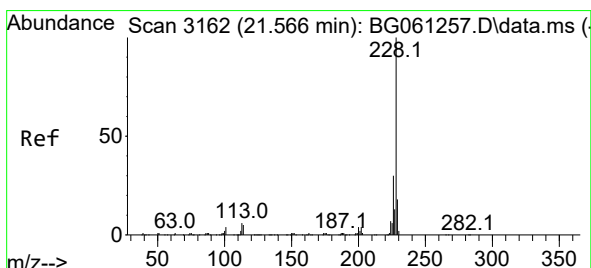
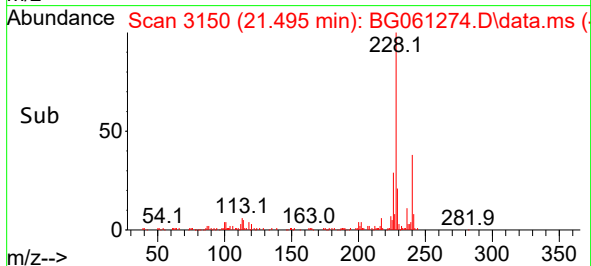
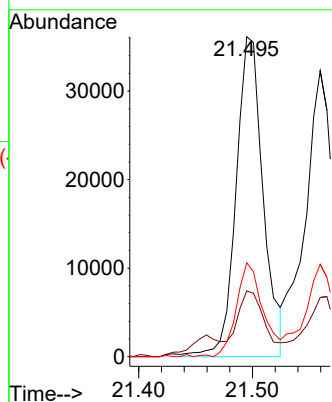
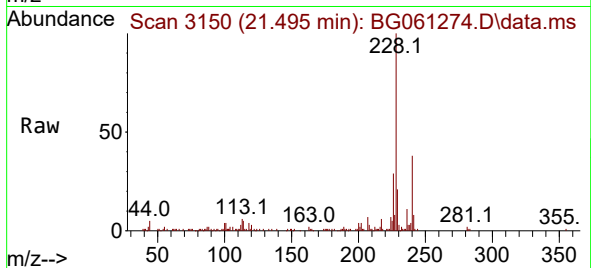
Tgt Ion:228 Resp: 59930

Ion Ratio Lower Upper

228 100

229 20.6 15.2 22.8

226 29.3 21.4 32.2



#87

Chrysene

Concen: 4.546 ng/ul

RT: 21.560 min Scan# 3161

Delta R.T. -0.007 min

Lab File: BG061274.D

Acq: 23 May 2024 16:47

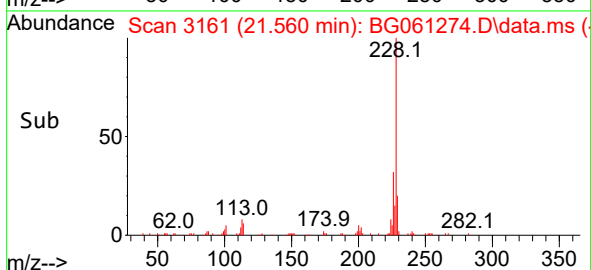
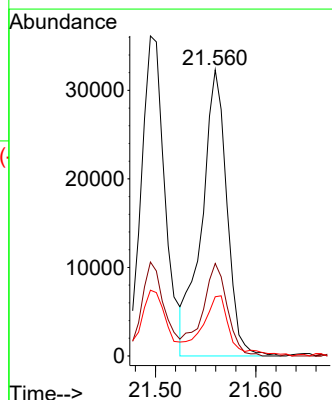
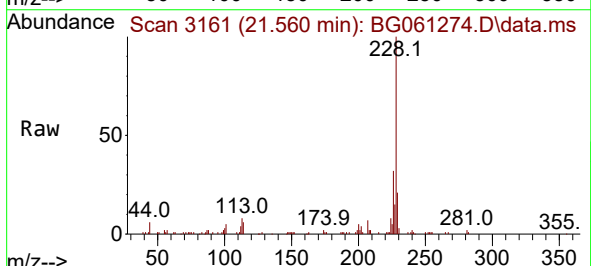
Tgt Ion:228 Resp: 56414

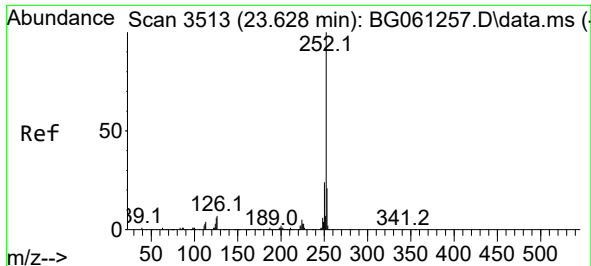
Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

229 20.7 15.4 23.2

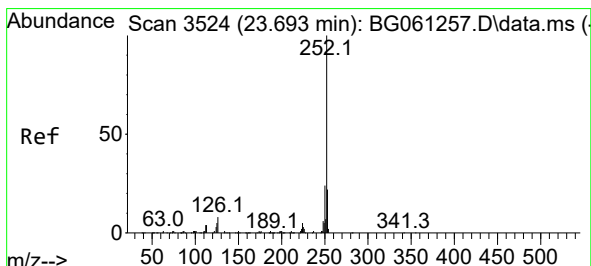
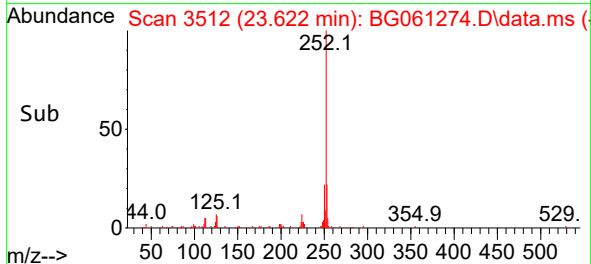
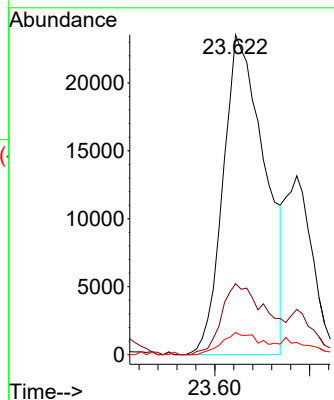
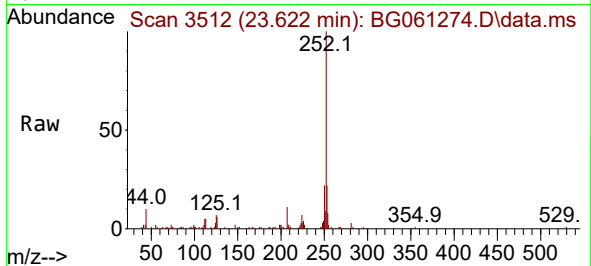




#90
Benzo(b)fluoranthene
Concen: 5.700 ng/ul
RT: 23.622 min Scan# 3512
Delta R.T. -0.007 min
Lab File: BG061274.D
Acq: 23 May 2024 16:47

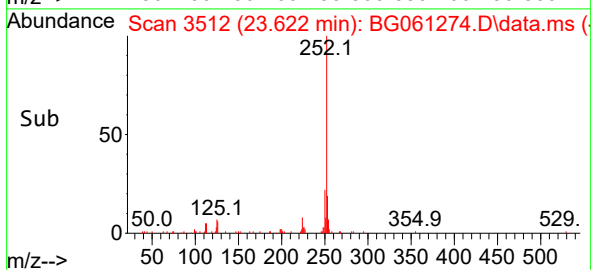
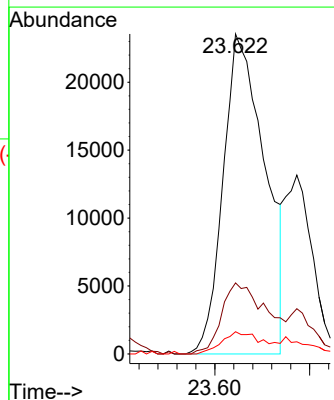
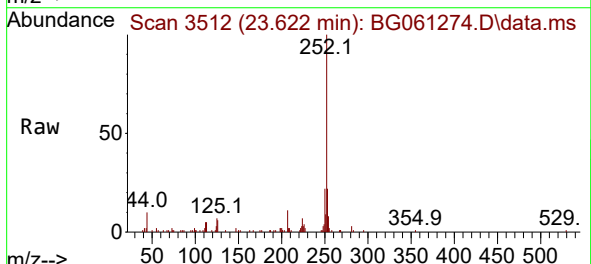
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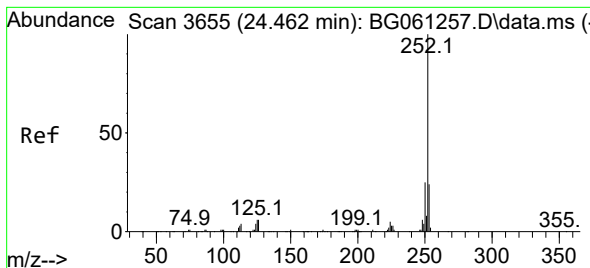
Tgt Ion:252 Resp: 71920
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 7.0 4.6 6.8#



#91
Benzo(k)fluoranthene
Concen: 5.615 ng/ul
RT: 23.622 min Scan# 3512
Delta R.T. -0.072 min
Lab File: BG061274.D
Acq: 23 May 2024 16:47

Tgt Ion:252 Resp: 71920
Ion Ratio Lower Upper
252 100
253 22.2 16.0 24.0
125 7.0 4.3 6.5#





#93

Benzo(a)pyrene

Concen: 4.397 ng/ul

RT: 24.456 min Scan# 3

Delta R.T. -0.007 min

Lab File: BG061274.D

Acq: 23 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

BH5P1

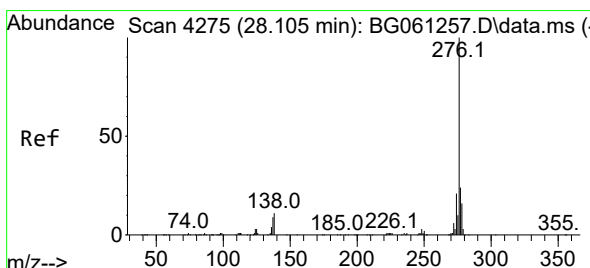
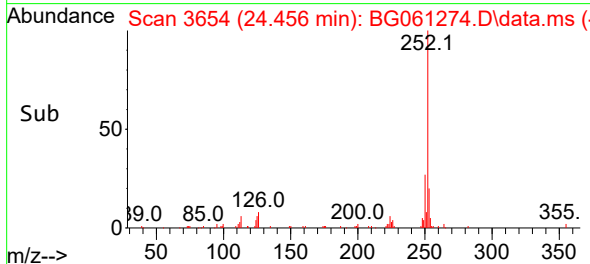
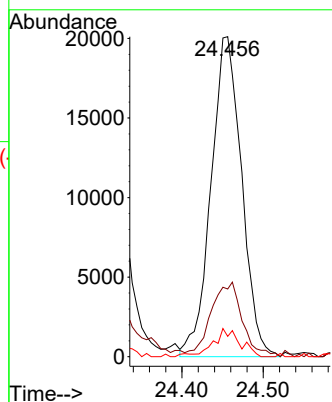
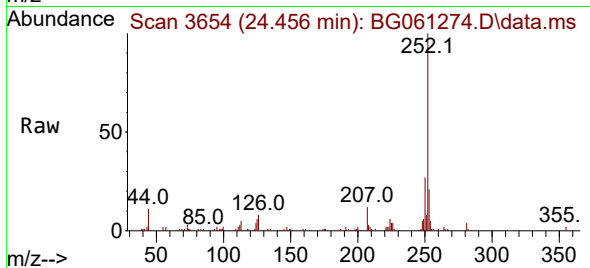
Tgt Ion:252 Resp: 52679

Ion Ratio Lower Upper

252 100

253 21.1 16.4 24.6

125 6.3 4.3 6.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.160 ng/ul

RT: 28.081 min Scan# 4271

Delta R.T. -0.025 min

Lab File: BG061274.D

Acq: 23 May 2024 16:47

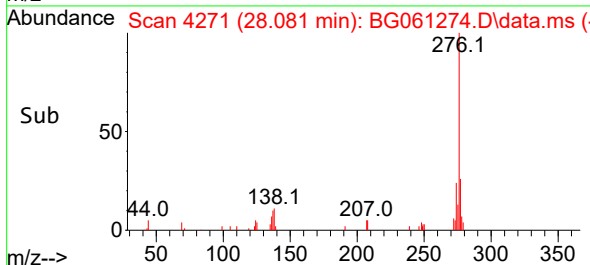
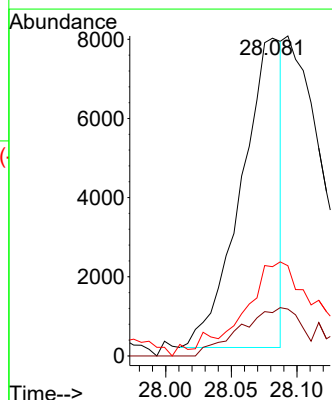
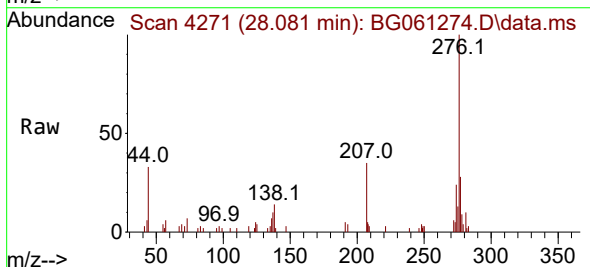
Tgt Ion:276 Resp: 16813

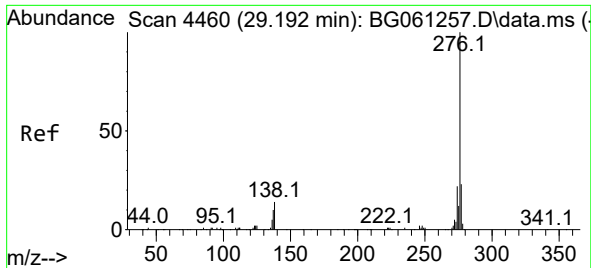
Ion Ratio Lower Upper

276 100

138 13.6 8.6 13.0#

277 28.1 19.7 29.5





#96
 Benzo(g,h,i)perylene
 Concen: 2.832 ng/ul
 RT: 29.180 min Scan# 44
 Delta R.T. -0.013 min
 Lab File: BG061274.D
 Acq: 23 May 2024 16:47

Instrument :
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Tgt Ion:276 Resp: 32643
 Ion Ratio Lower Upper
 276 100
 138 11.0 8.7 13.1
 277 28.2 18.2 27.2#

