

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061275.D
 Acq On : 23 May 2024 17:29
 Operator : MA/JU
 Sample : P2547-21
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5X6

Quant Time: May 24 00:37:07 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)

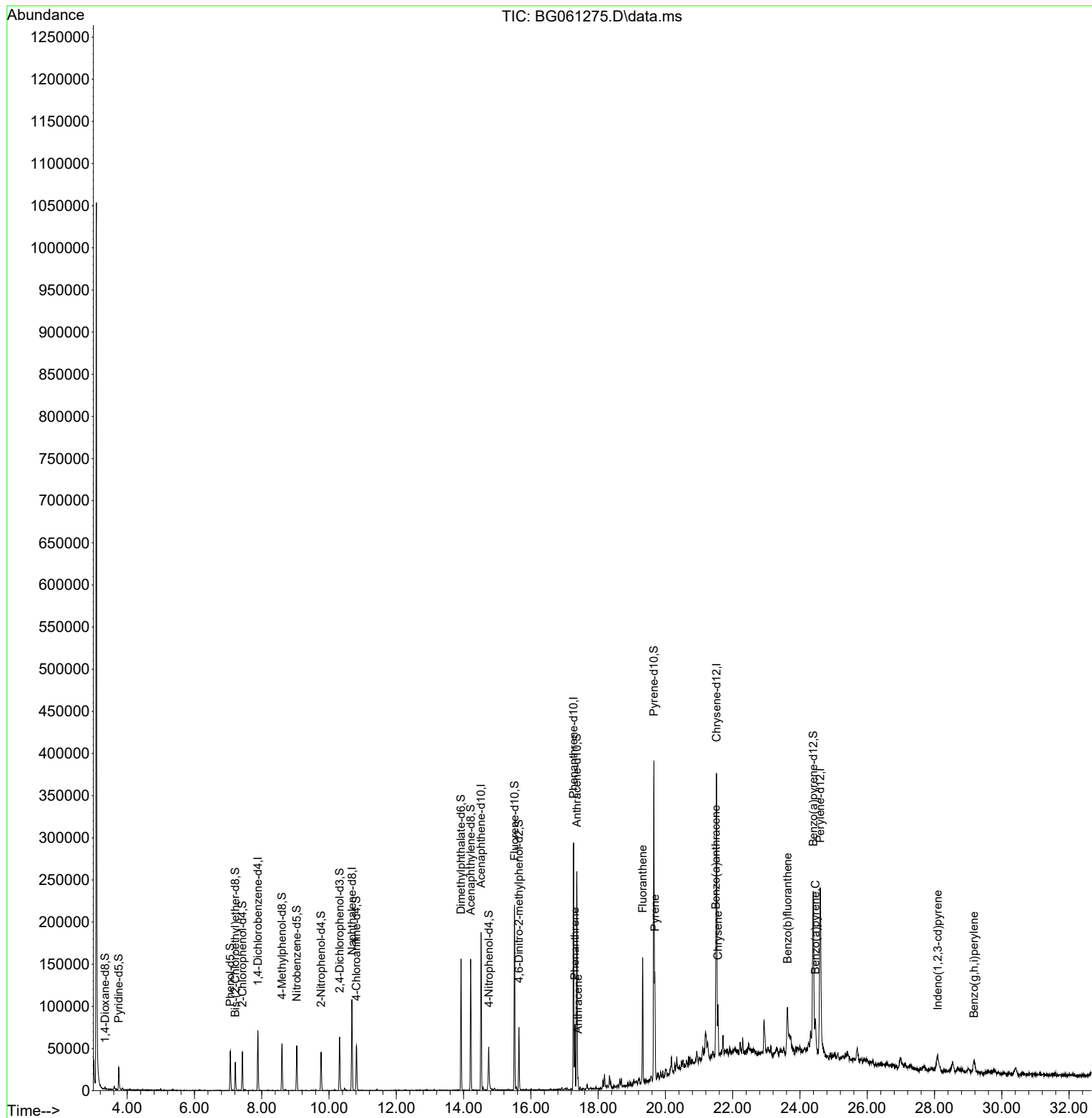
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	17592	20.000	ng/ul	0.00
20) Naphthalene-d8	10.680	136	80000	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.517	164	68486	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.267	188	184619	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.520	240	185386	20.000	ng/ul	0.00
88) Perylene-d12	24.599	264	206625	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	878	2.793	ng/uL	0.00
4) Pyridine-d5	3.747	84	11305	10.109	ng/ul	0.00
7) Phenol-d5	7.067	99	21474	14.864	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	15631	17.214	ng/ul	0.00
11) 2-Chlorophenol-d4	7.425	132	17787	16.636	ng/ul	0.00
15) 4-Methylphenol-d8	8.600	113	19462	15.799	ng/ul	0.00
21) Nitrobenzene-d5	9.041	128	10108	16.411	ng/ul	0.00
24) 2-Nitrophenol-d4	9.764	143	12074	16.749	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.316	165	22430	15.961	ng/ul	0.00
31) 4-Chloroaniline-d4	10.815	131	26825	14.590	ng/ul	0.00
46) Dimethylphthalate-d6	13.923	166	99323	18.699	ng/ul	0.00
49) Acenaphthylene-d8	14.211	160	101966	18.465	ng/ul	0.00
54) 4-Nitrophenol-d4	14.752	143	9621	14.651	ng/ul	0.00
60) Fluorene-d10	15.516	176	91702	19.997	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	15699	14.059	ng/ul	0.00
73) Anthracene-d10	17.367	188	162444	19.958	ng/ul	0.00
81) Pyrene-d10	19.658	212	202190	21.241	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	202982	20.434	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.308	178	46261	5.163	ng/ul	99
74) Anthracene	17.402	178	9353	1.010	ng/ul	93
80) Fluoranthene	19.323	202	91645	8.026	ng/ul	99
82) Pyrene	19.687	202	80418	6.785	ng/ul	99
85) Benzo(a)anthracene	21.497	228	47234	3.693	ng/ul	94
87) Chrysene	21.562	228	43257	3.673	ng/ul	96
90) Benzo(b)fluoranthene	23.630	252	52264	4.248	ng/ul#	97
93) Benzo(a)pyrene	24.458	252	40887	3.500	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	28.095	276	26025	1.842	ng/ul#	94
96) Benzo(g,h,i)perylene	29.176	276	22487	2.001	ng/ul#	89

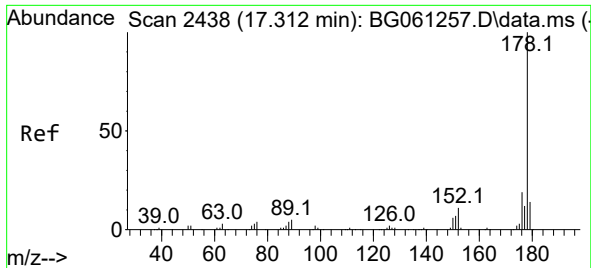
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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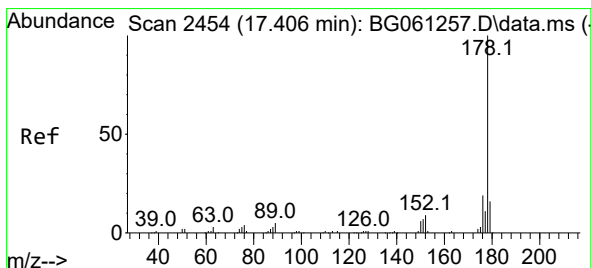
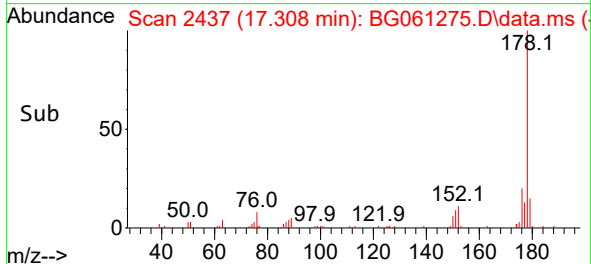
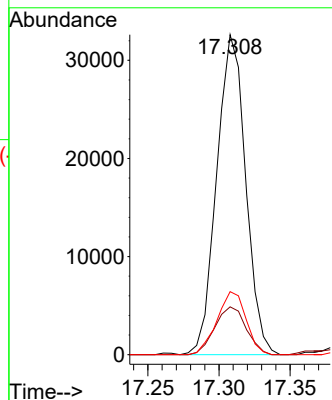
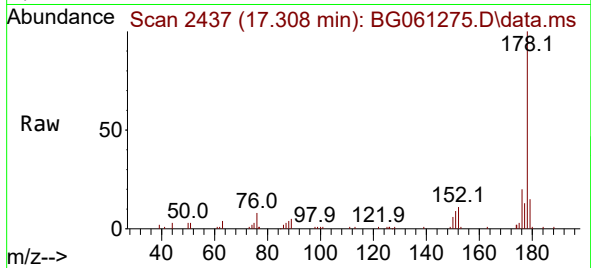




#72
Phenanthrene
Concen: 5.163 ng/ul
RT: 17.308 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

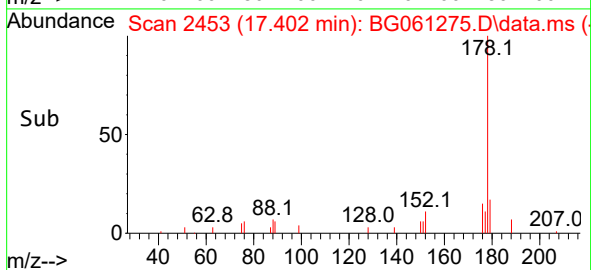
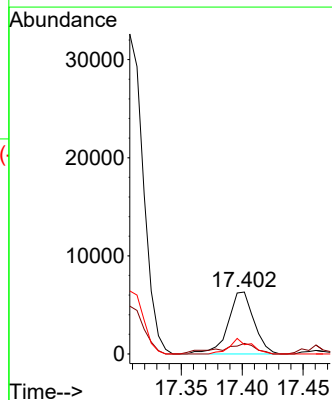
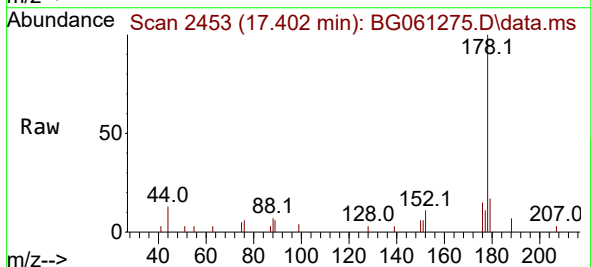
Instrument :
BNA_G
ClientSampleId :
BH5X6

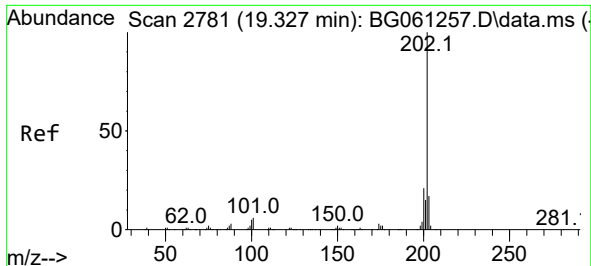
Tgt Ion:178 Resp: 46261
Ion Ratio Lower Upper
178 100
179 15.0 12.7 19.1
176 19.7 15.5 23.3



#74
Anthracene
Concen: 1.010 ng/ul
RT: 17.402 min Scan# 2453
Delta R.T. 0.001 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

Tgt Ion:178 Resp: 9353
Ion Ratio Lower Upper
178 100
179 17.0 11.8 17.6
176 14.9 14.9 22.3

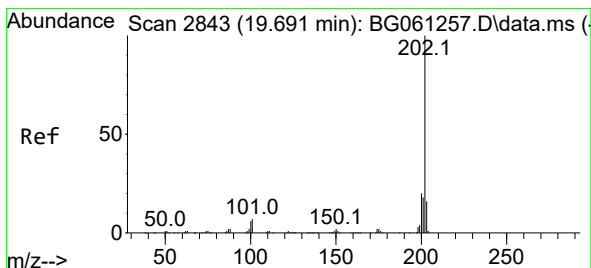
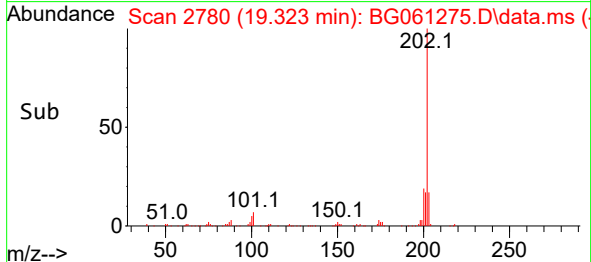
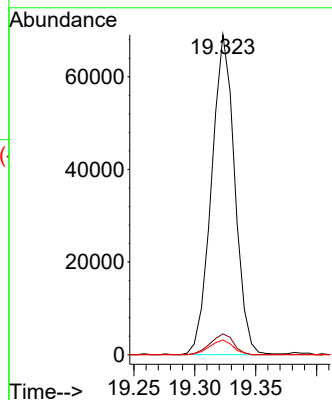
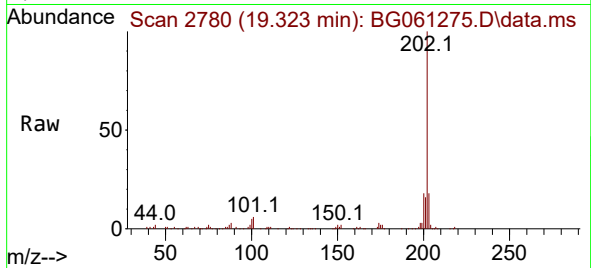




#80
Fluoranthene
Concen: 8.026 ng/u1
RT: 19.323 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

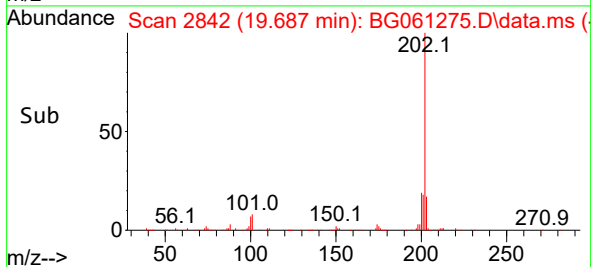
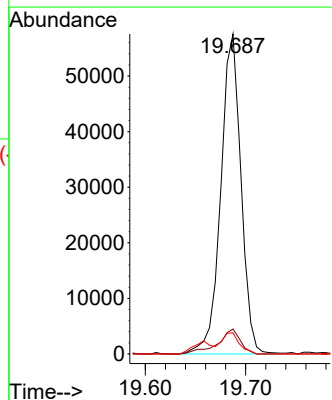
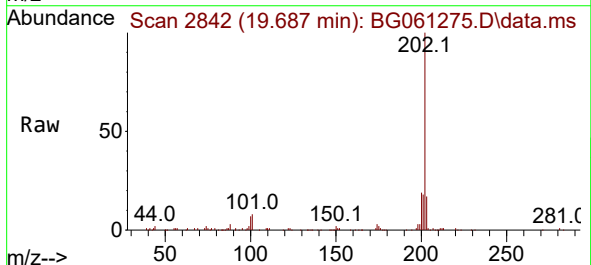
Instrument :
BNA_G
ClientSampleId :
BH5X6

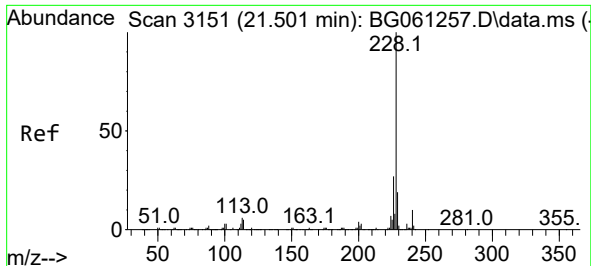
Tgt Ion:202 Resp: 91645
Ion Ratio Lower Upper
202 100
101 6.5 4.8 7.2
100 4.6 4.1 6.1



#82
Pyrene
Concen: 6.785 ng/u1
RT: 19.687 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

Tgt Ion:202 Resp: 80418
Ion Ratio Lower Upper
202 100
101 7.8 5.7 8.5
100 6.6 5.1 7.7

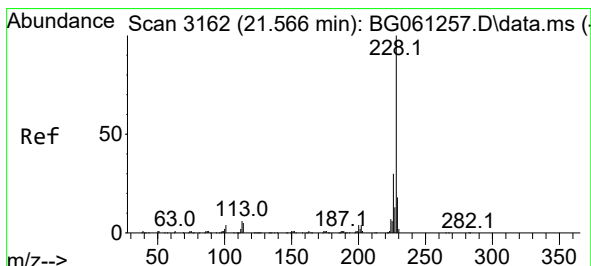
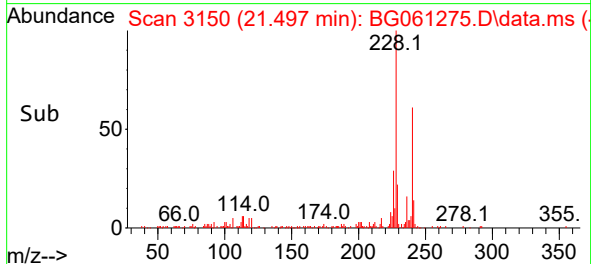
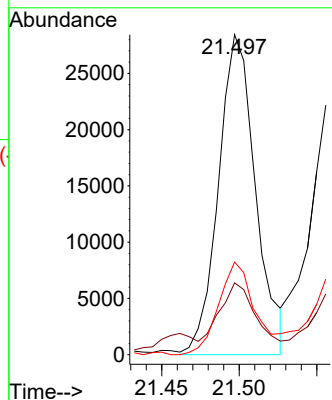
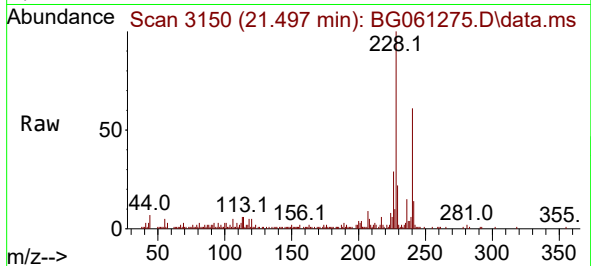




#85
Benzo(a)anthracene
Concen: 3.693 ng/ul
RT: 21.497 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

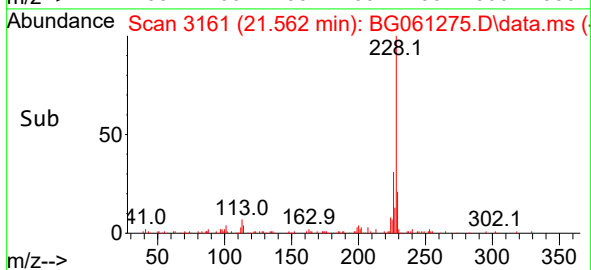
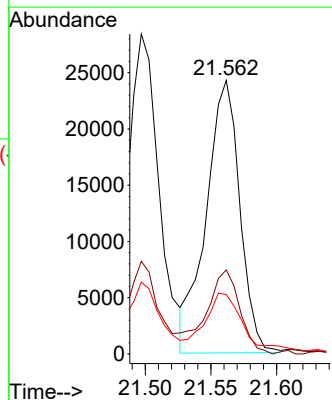
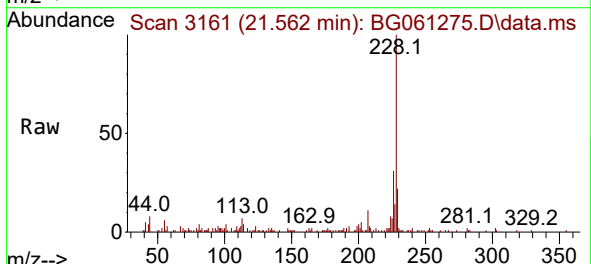
Instrument :
BNA_G
ClientSampleId :
BH5X6

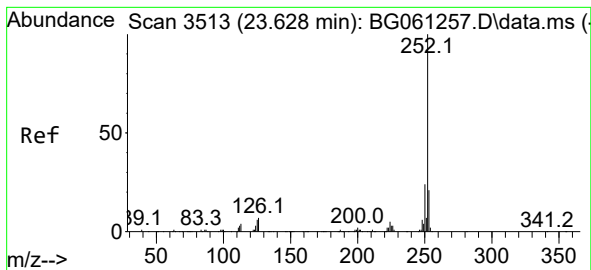
Tgt Ion:228 Resp: 47234
Ion Ratio Lower Upper
228 100
229 22.5 15.2 22.8
226 29.0 21.4 32.2



#87
Chrysene
Concen: 3.673 ng/ul
RT: 21.562 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG061275.D
Acq: 23 May 2024 17:29

Tgt Ion:228 Resp: 43257
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.0
229 21.8 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 4.248 ng/ul

RT: 23.630 min Scan# 3513

Delta R.T. 0.001 min

Lab File: BG061275.D

Acq: 23 May 2024 17:29

Instrument :

BNA_G

ClientSampleId :

BH5X6

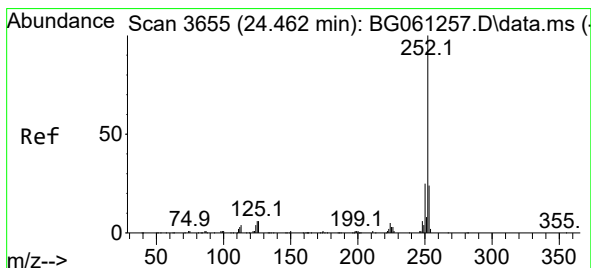
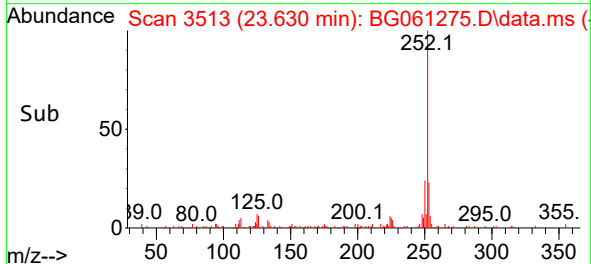
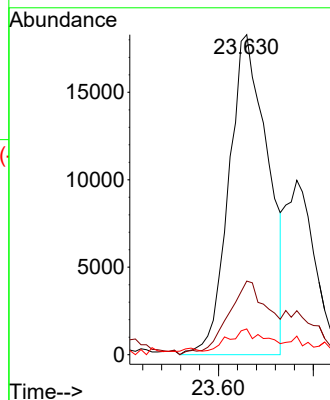
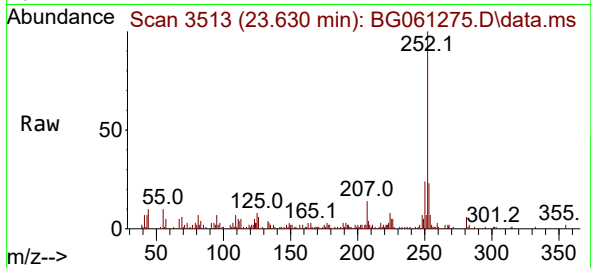
Tgt Ion:252 Resp: 52264

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 8.1 4.6 6.8#



#93

Benzo(a)pyrene

Concen: 3.500 ng/ul

RT: 24.458 min Scan# 3654

Delta R.T. -0.005 min

Lab File: BG061275.D

Acq: 23 May 2024 17:29

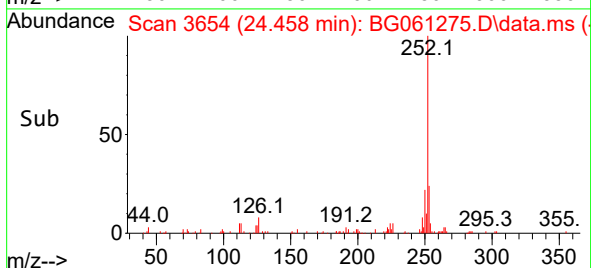
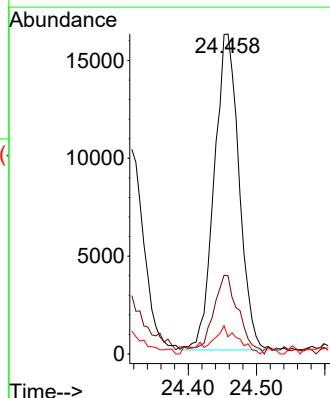
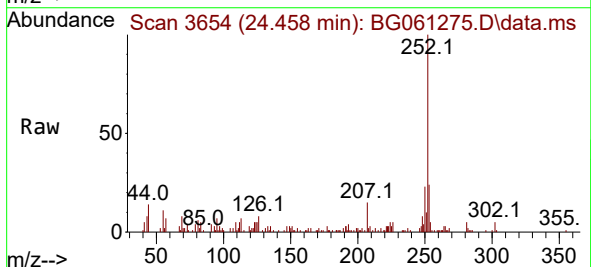
Tgt Ion:252 Resp: 40887

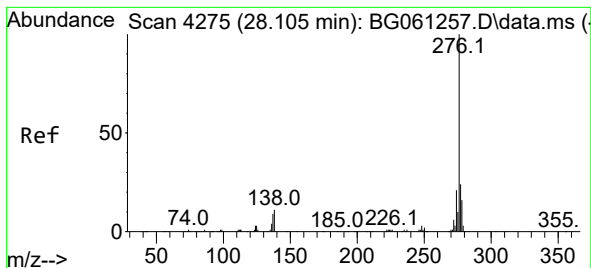
Ion Ratio Lower Upper

252 100

253 24.4 16.4 24.6

125 5.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.842 ng/ul

RT: 28.095 min Scan# 41

Delta R.T. -0.011 min

Lab File: BG061275.D

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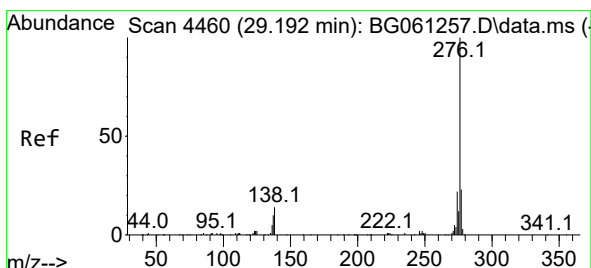
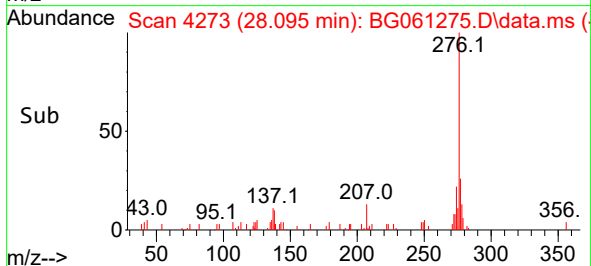
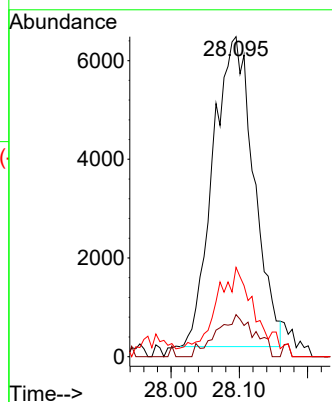
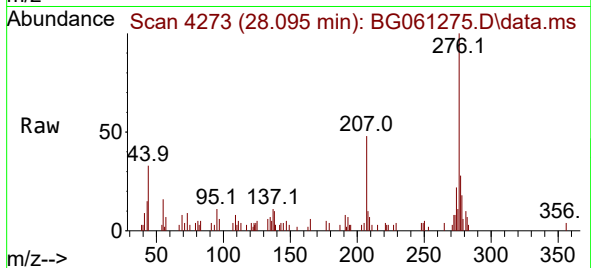
Tgt Ion:276 Resp: 26025

Ion Ratio Lower Upper

276 100

138 13.1 8.6 13.0#

277 27.9 19.7 29.5



#96

Benzo(g,h,i)perylene

Concen: 2.001 ng/ul

RT: 29.176 min Scan# 4457

Delta R.T. -0.017 min

Lab File: BG061275.D

Acq: 23 May 2024 17:29

Tgt Ion:276 Resp: 22487

Ion Ratio Lower Upper

276 100

138 14.2 8.7 13.1#

277 16.7 18.2 27.2#

