

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020224\
 Data File : BG060543.D
 Acq On : 1 Feb 2024 21:42
 Operator : MA/JU
 Sample : P1311-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Feb 02 00:43:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

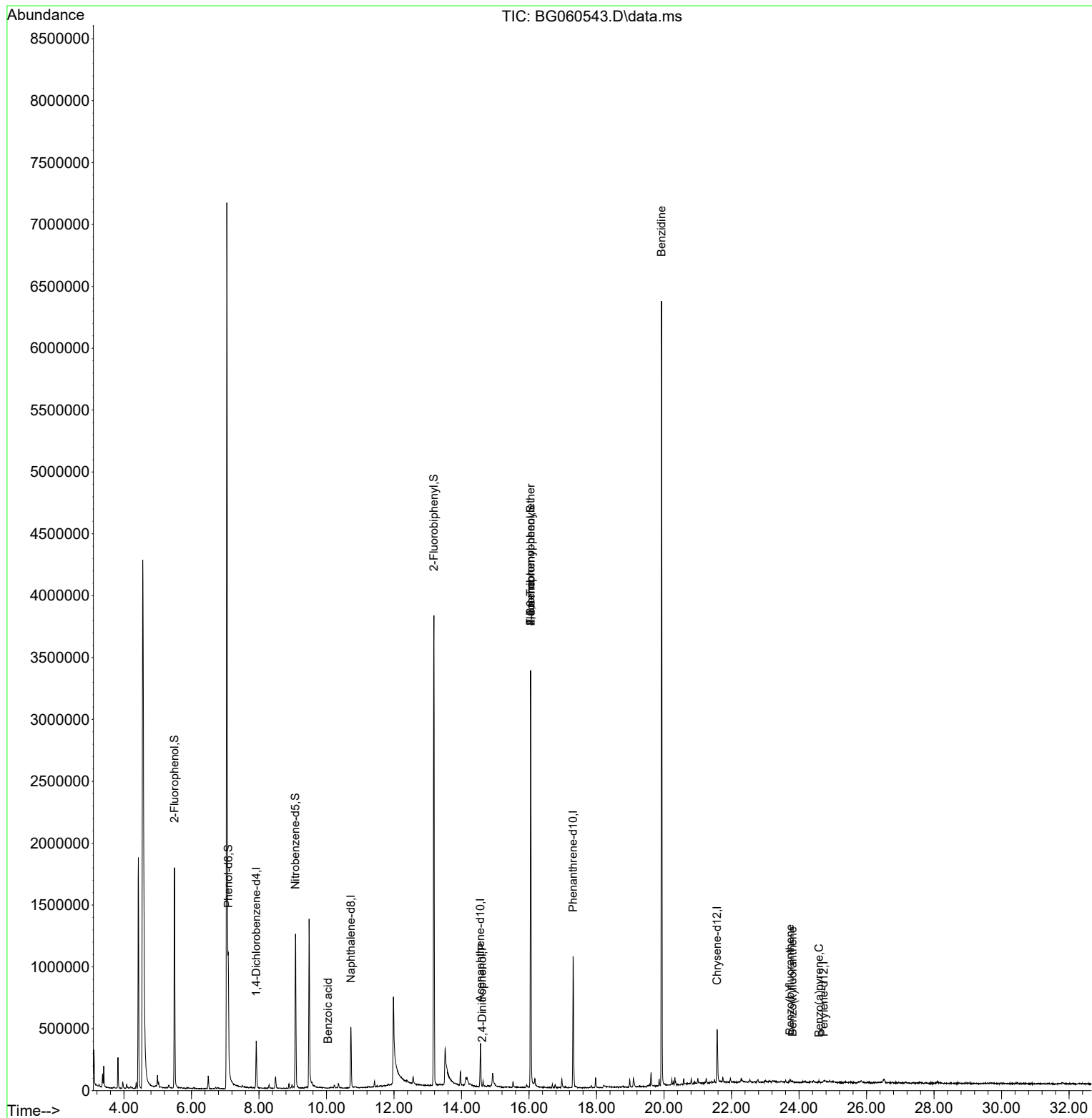
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	119065	20.000	ng	-0.01
21) Naphthalene-d8	10.719	136	441228	20.000	ng	-0.01
39) Acenaphthene-d10	14.556	164	93168	20.000	ng	#-0.01
64) Phenanthrene-d10	17.306	188	565506	20.000	ng	# 0.00
76) Chrysene-d12	21.571	240	131527	20.000	ng	# 0.00
86) Perylene-d12	24.732	264	3766	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	834736	115.312	ng	0.00
7) Phenol-d6	7.088	99	430153	40.129	ng	0.00
23) Nitrobenzene-d5	9.080	82	851372	91.113	ng	-0.01
42) 2,4,6-Tribromophenol	16.048	330	766295	559.025	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	2158774	322.147	ng	0.00
79) Terphenyl-d14	19.926	244	2585346	-20.000	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.044	122	101	10.220	ng	# 29
54) 2,4-Dinitrophenol	14.615	184	57	8.642	ng	# 25
58) Fluorene	16.048	166	27978	3.918	ng	# 92
67) 4-Bromophenyl-phenylether	16.048	248	48111	7.743	ng	# 1
77) Benzidine	19.926	184	36693	12.841	ng	# 80
88) Benzo(b)fluoranthene	23.733	252	1902	8.549	ng	# 92
89) Benzo(k)fluoranthene	23.804	252	1295	5.899	ng	# 27
90) Benzo(a)pyrene	24.591	252	1602	7.971	ng	# 45

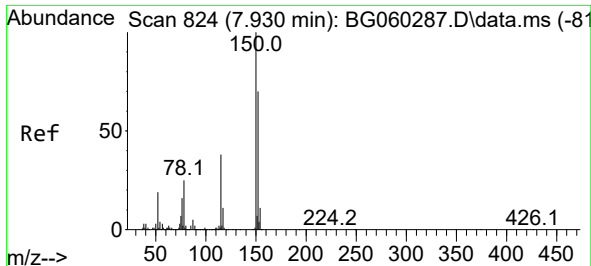
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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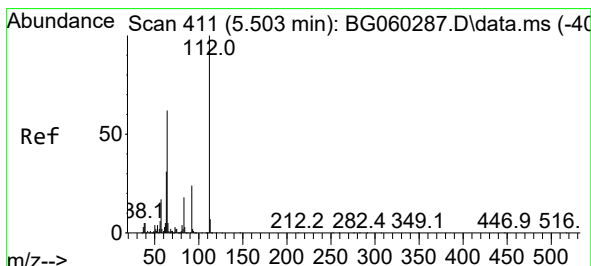
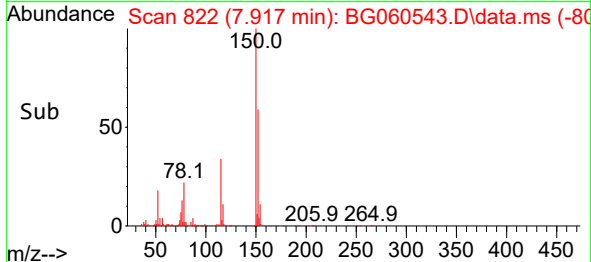
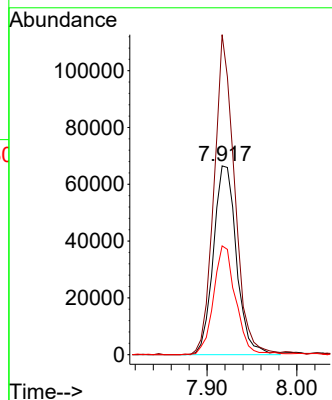
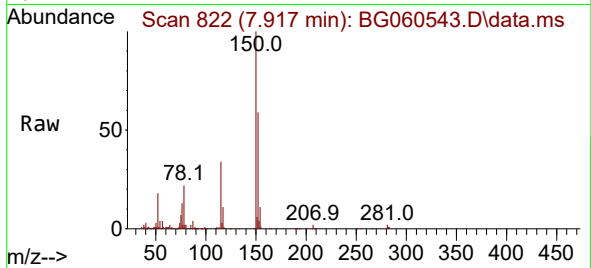




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.917 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

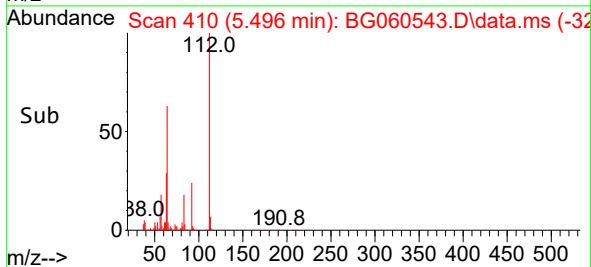
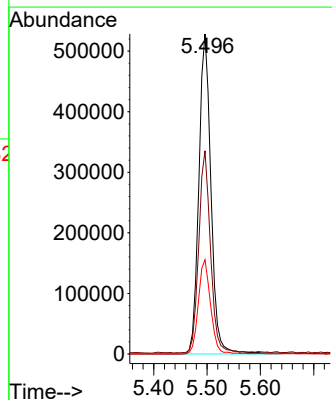
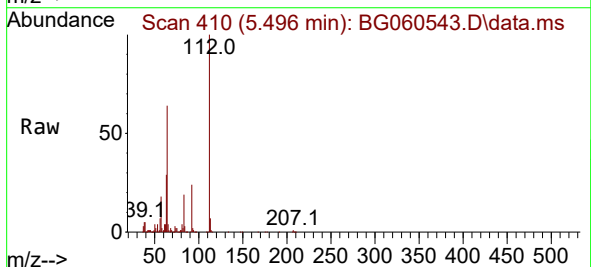
Instrument :
BNA_G
ClientSampleId :
TP-4

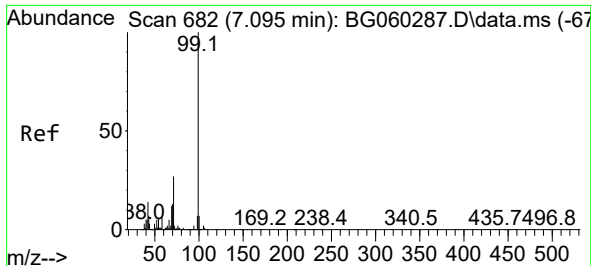
Tgt Ion:152 Resp: 119065
Ion Ratio Lower Upper
152 100
150 169.4 114.5 171.7
115 57.6 43.0 64.6



#5
2-Fluorophenol
Concen: 115.312 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:112 Resp: 834736
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.6
63 29.5 24.4 36.6

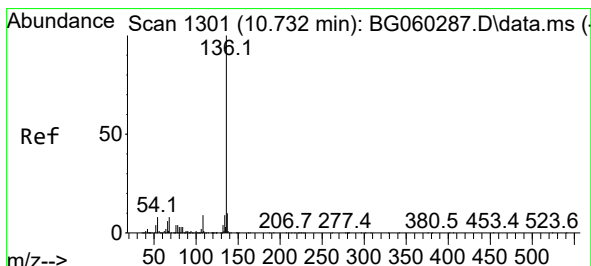
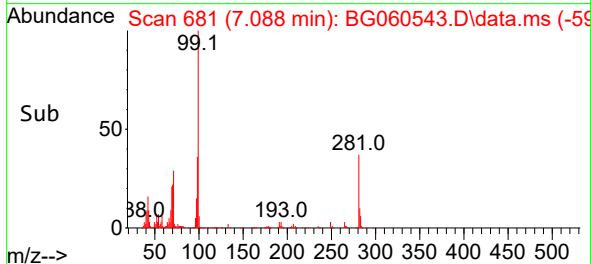
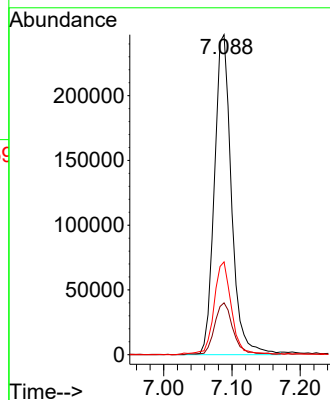
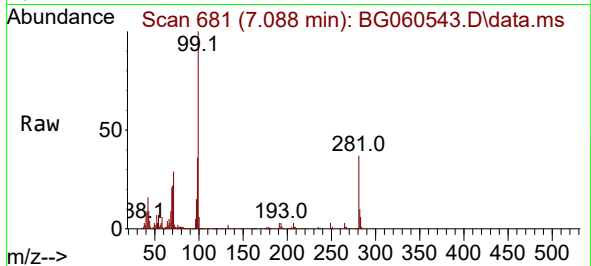




#7
Phenol-d6
Concen: 40.129 ng
RT: 7.088 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

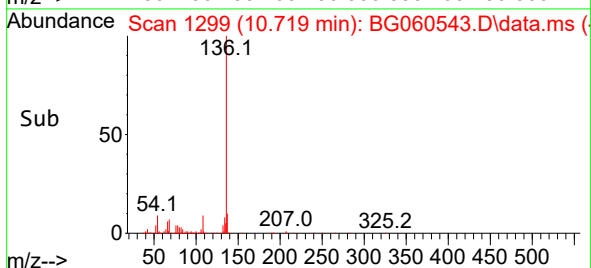
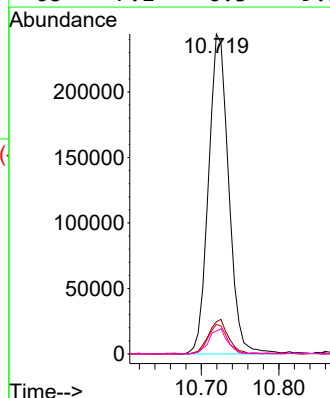
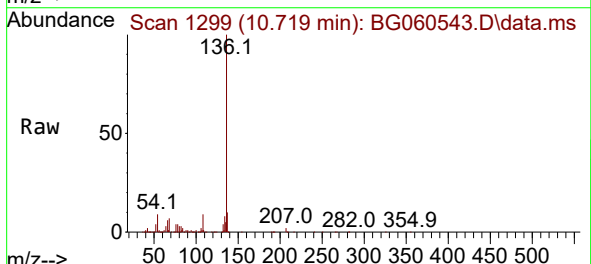
Instrument :
BNA_G
ClientSampleId :
TP-4

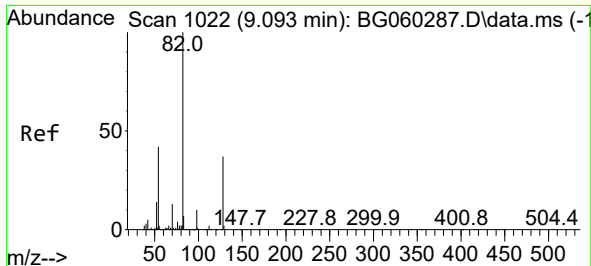
Tgt Ion: 99 Resp: 430153
Ion Ratio Lower Upper
99 100
42 16.2 10.9 16.3
71 29.0 21.5 32.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion: 136 Resp: 441228
Ion Ratio Lower Upper
136 100
137 10.0 8.2 12.4
54 9.2 6.2 9.2
68 7.1 6.3 9.5

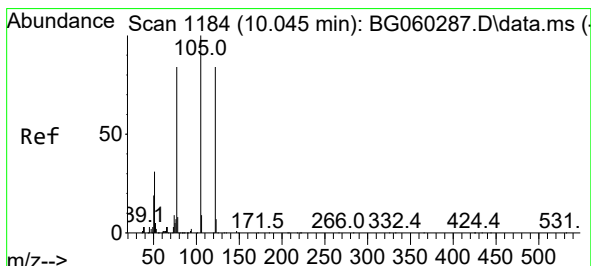
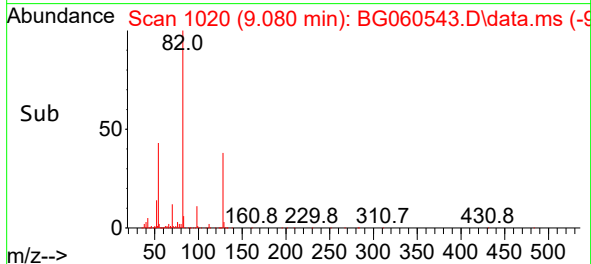
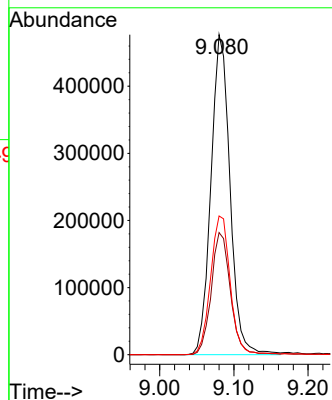
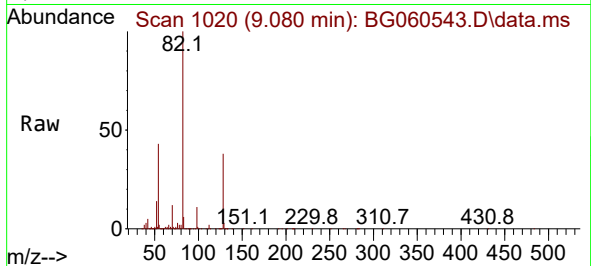




#23
Nitrobenzene-d5
Concen: 91.113 ng
RT: 9.080 min Scan# 1022
Delta R.T. -0.013 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

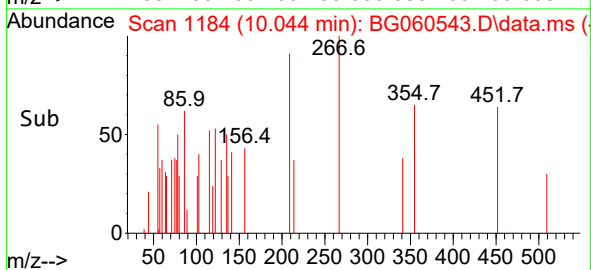
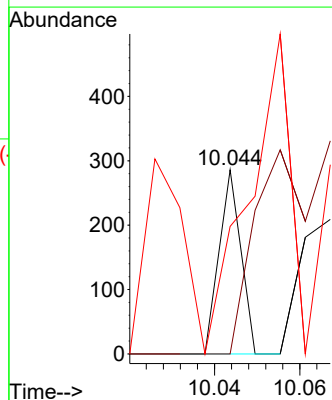
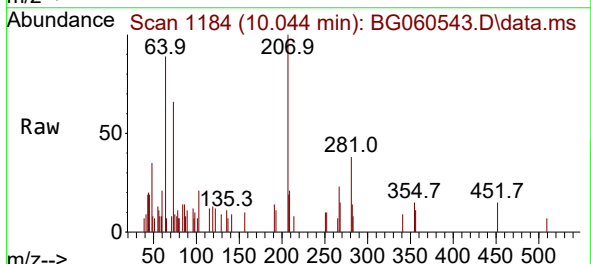
Instrument :
BNA_G
ClientSampleId :
TP-4

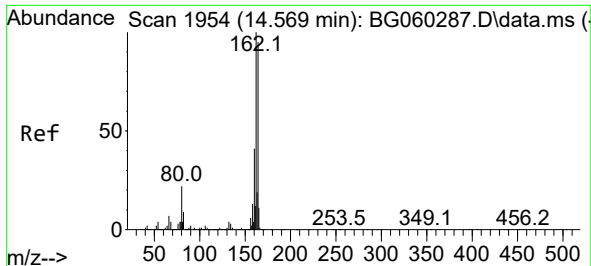
Tgt Ion: 82 Resp: 851372
Ion Ratio Lower Upper
82 100
128 38.1 29.6 44.4
54 43.3 33.6 50.4



#32
Benzoic acid
Concen: 10.220 ng
RT: 10.044 min Scan# 1184
Delta R.T. -0.001 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion: 122 Resp: 101
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 69.2 80.1 120.1#

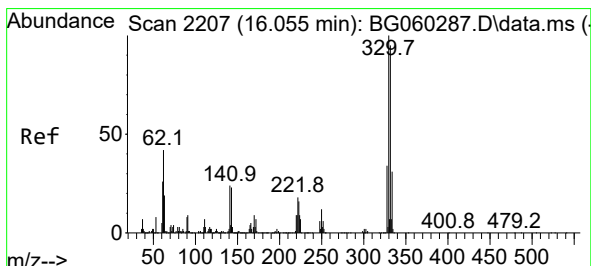
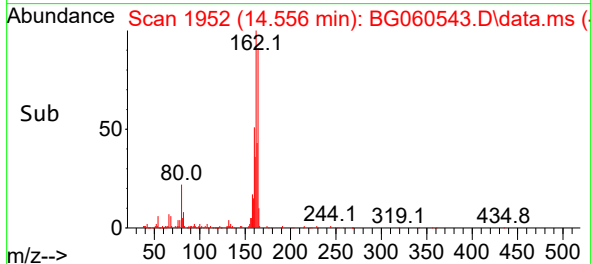
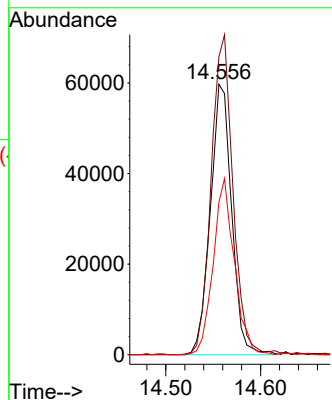
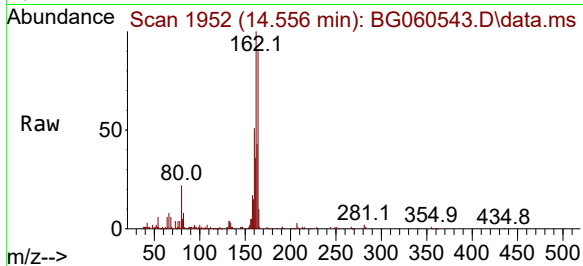




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.013 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

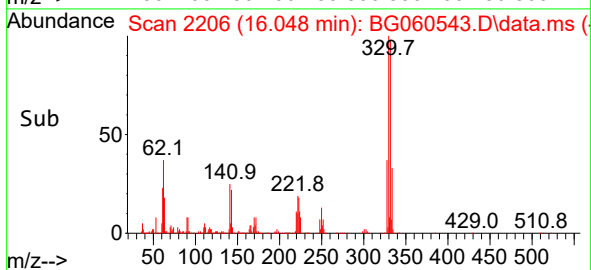
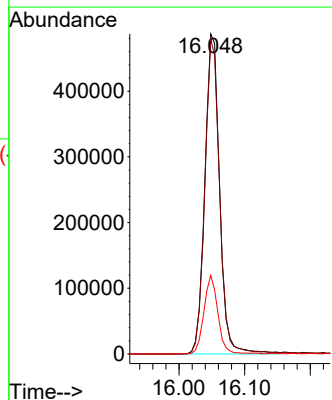
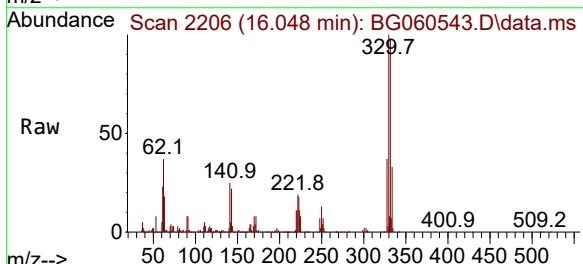
Instrument :
BNA_G
ClientSampleId :
TP-4

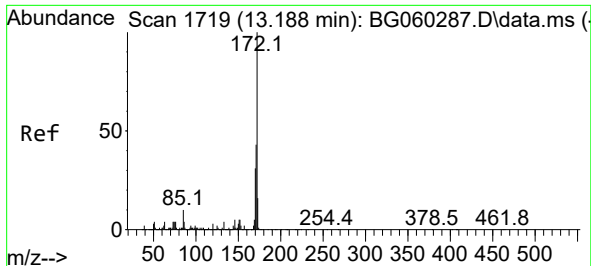
Tgt Ion:164 Resp: 93168
Ion Ratio Lower Upper
164 100
162 110.2 84.4 126.6
160 56.3 34.6 52.0#



#42
2,4,6-Tribromophenol
Concen: 559.025 ng
RT: 16.048 min Scan# 2206
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:330 Resp: 766295
Ion Ratio Lower Upper
330 100
332 98.0 76.7 115.1
141 23.0 18.6 28.0

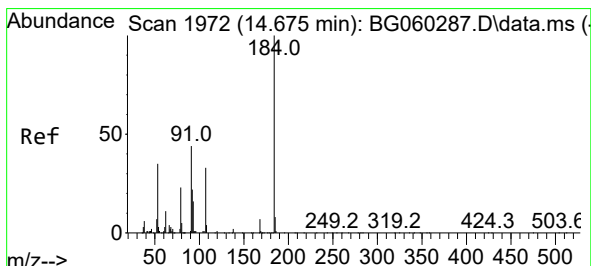
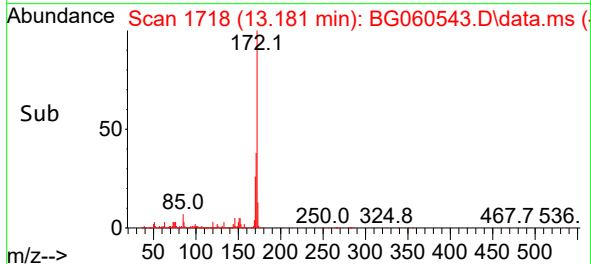
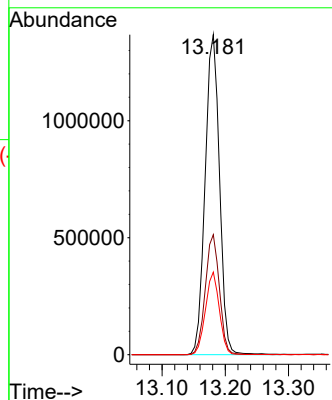
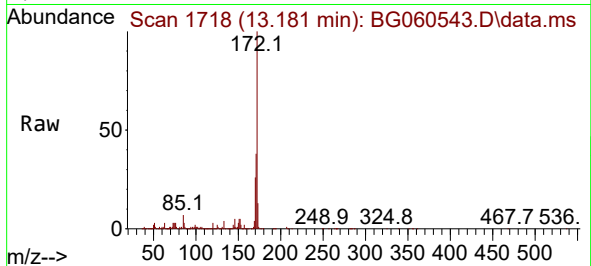




#45
2-Fluorobiphenyl
Concen: 322.147 ng
RT: 13.181 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

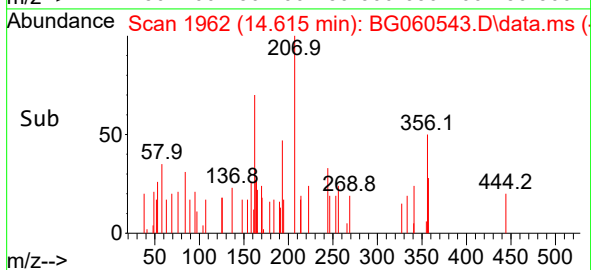
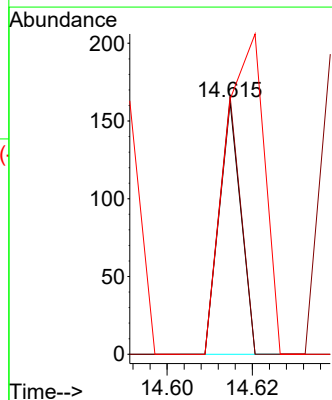
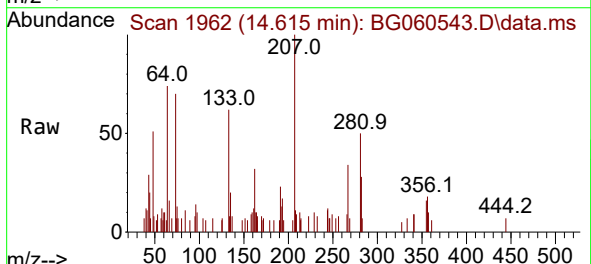
Instrument :
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TP-4

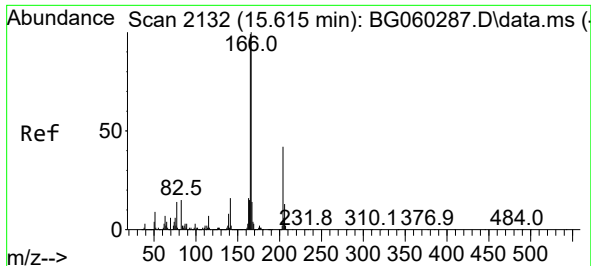
Tgt Ion:172 Resp: 2158774
Ion Ratio Lower Upper
172 100
171 37.5 34.6 51.8
170 25.8 24.4 36.6



#54
2,4-Dinitrophenol
Concen: 8.642 ng
RT: 14.615 min Scan# 1962
Delta R.T. -0.060 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 102.5 41.0 61.4#
154 101.2 39.2 58.8#

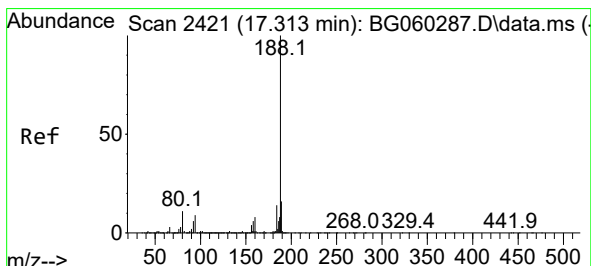
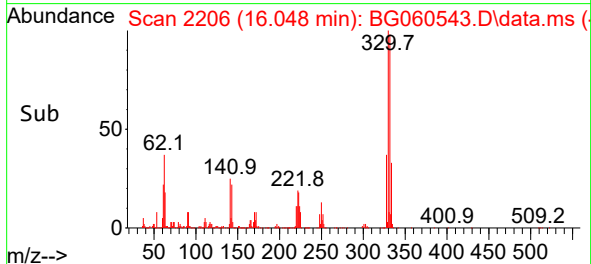
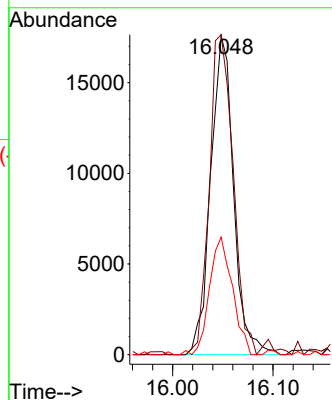
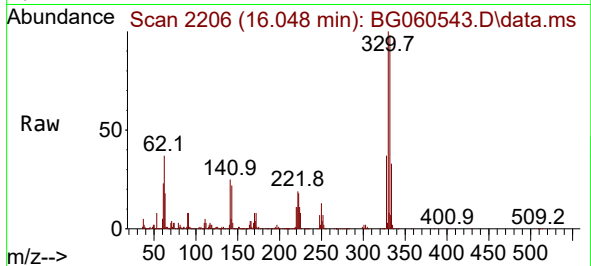




#58
Fluorene
Concen: 3.918 ng
RT: 16.048 min Scan# 2132
Delta R.T. 0.434 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

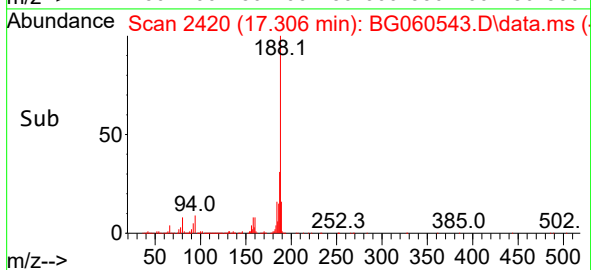
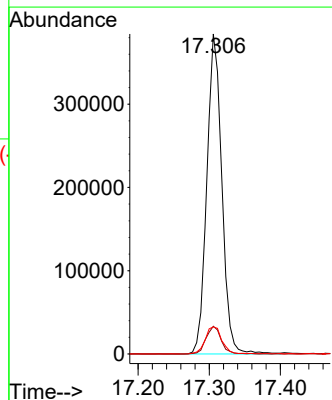
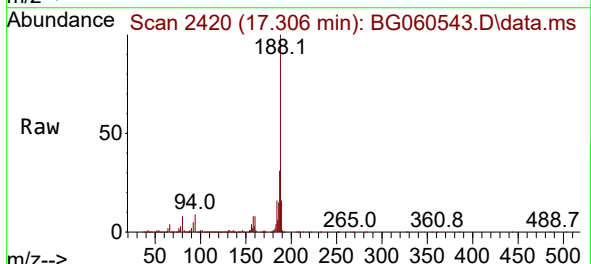
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TP-4

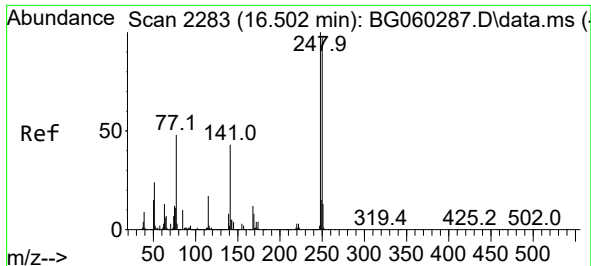
Tgt Ion:166 Resp: 27978
Ion Ratio Lower Upper
166 100
165 100.4 79.0 118.6
167 36.9 11.4 17.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2420
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:188 Resp: 565506
Ion Ratio Lower Upper
188 100
94 8.7 7.1 10.7
80 8.5 8.5 12.7#

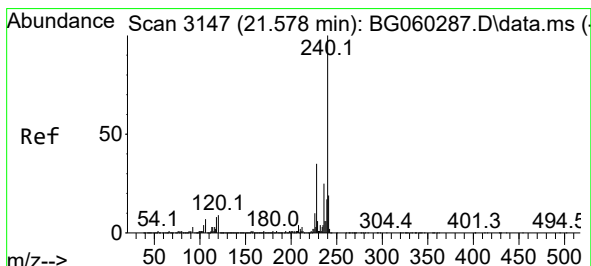
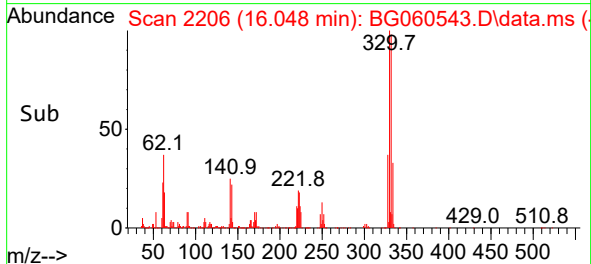
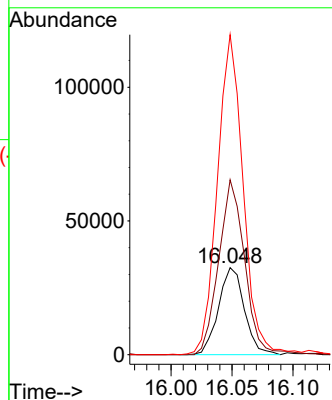
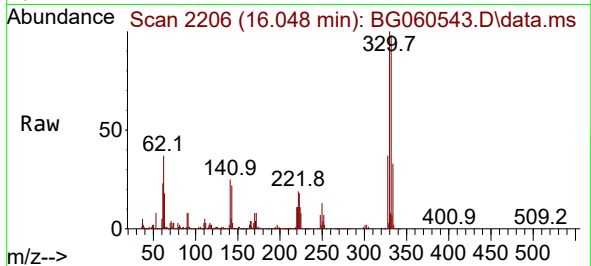




#67
4-Bromophenyl-phenylether
Concen: 7.743 ng
RT: 16.048 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

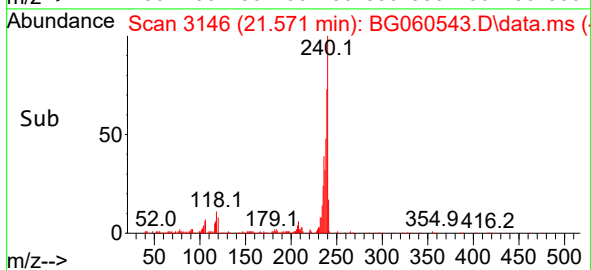
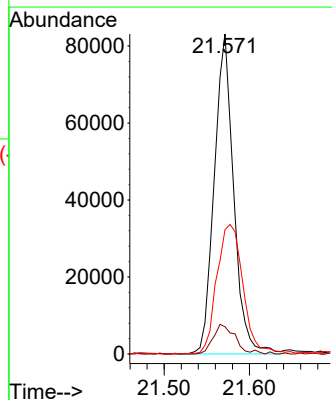
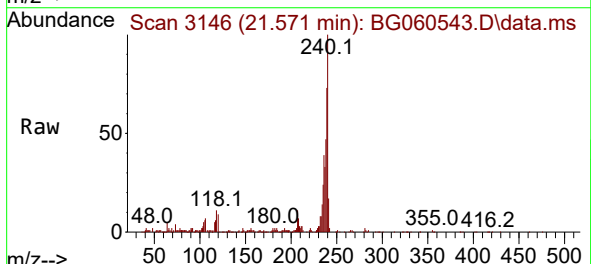
Instrument :
BNA_G
ClientSampleId :
TP-4

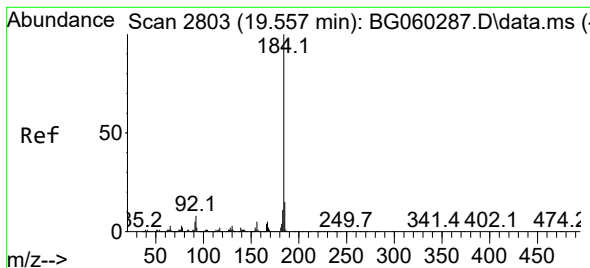
Tgt Ion:248 Resp: 48111
Ion Ratio Lower Upper
248 100
250 201.1 77.6 116.4#
141 367.9 34.2 51.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:240 Resp: 131527
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 38.9 20.3 30.5#





#77

Benzidine

Concen: 12.841 ng

RT: 19.926 min Scan# 2866

Delta R.T. 0.369 min

Lab File: BG060543.D

Acq: 1 Feb 2024 21:42

Instrument :

BNA_G

ClientSampleId :

TP-4

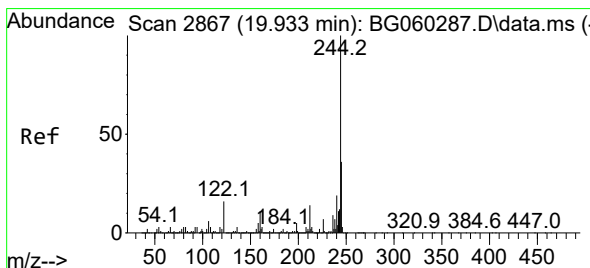
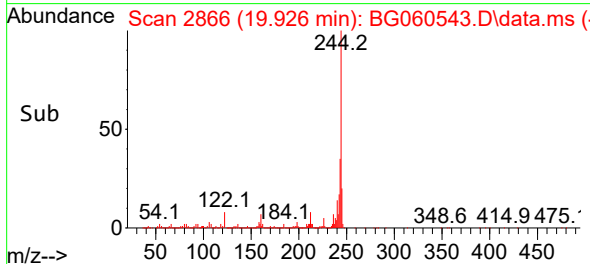
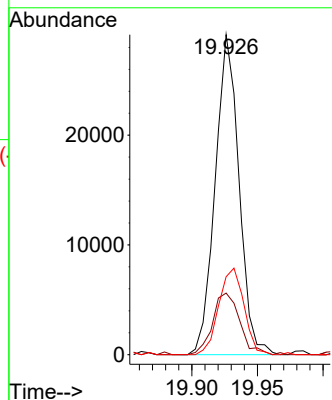
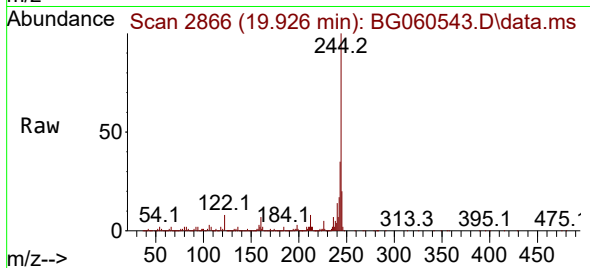
Tgt Ion:184 Resp: 36693

Ion Ratio Lower Upper

184 100

185 19.2 12.2 18.4#

183 24.3 9.0 13.4#



#79

Terphenyl-d14

Concen: -20.000 ng

RT: 19.926 min Scan# 2866

Delta R.T. -0.007 min

Lab File: BG060543.D

Acq: 1 Feb 2024 21:42

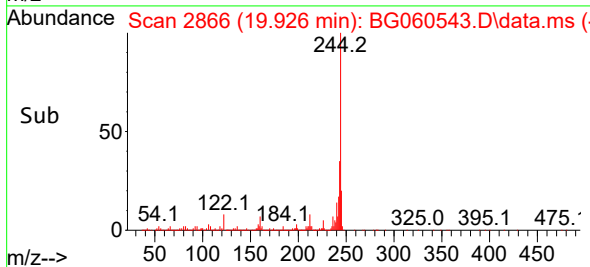
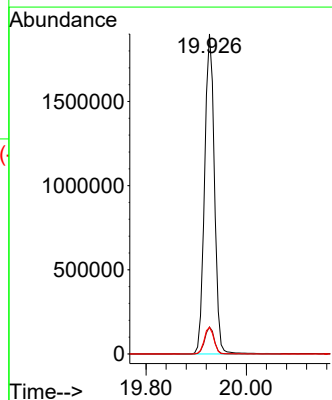
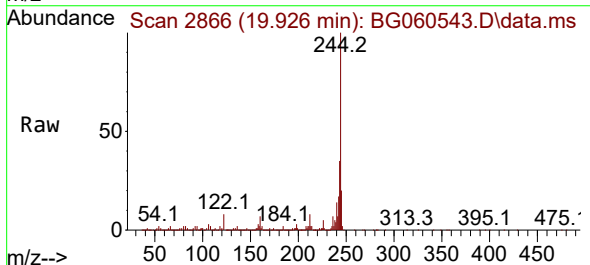
Tgt Ion:244 Resp: 2585346

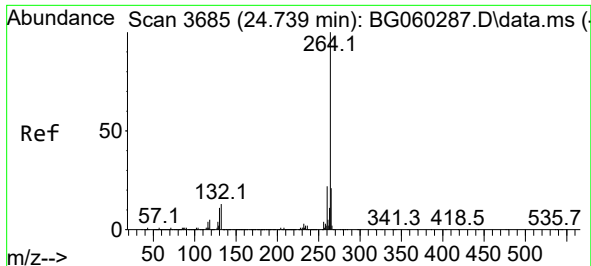
Ion Ratio Lower Upper

244 100

212 8.5 10.9 16.3#

122 8.3 12.6 18.8#

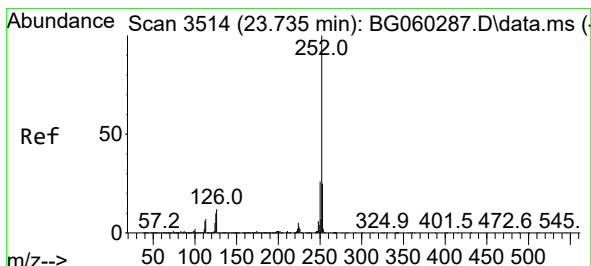
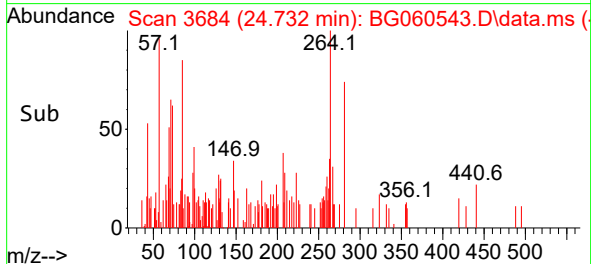
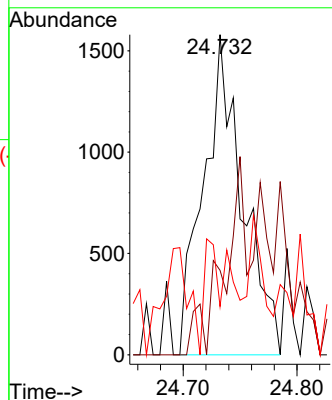
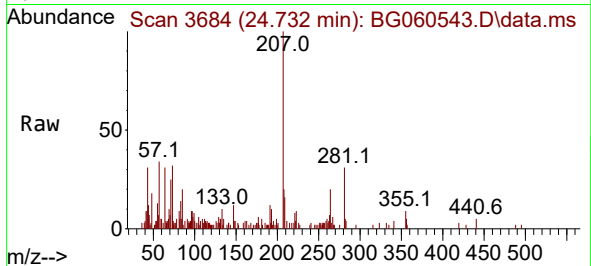




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.732 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

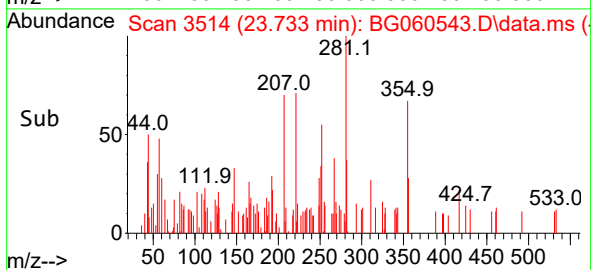
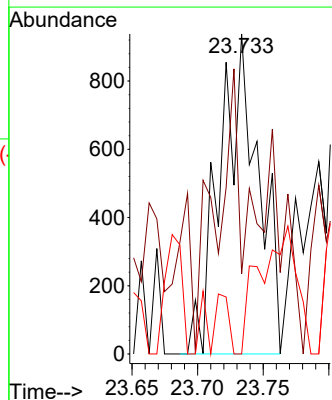
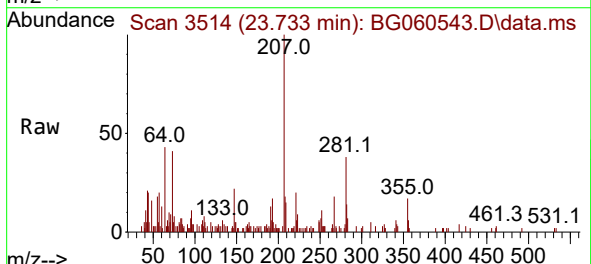
Instrument :
BNA_G
ClientSampleId :
TP-4

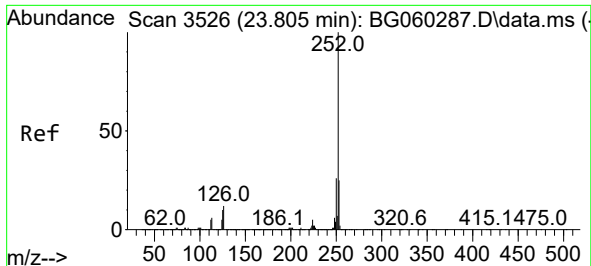
Tgt Ion:264 Resp: 3766
Ion Ratio Lower Upper
264 100
260 26.4 17.8 26.6
265 15.1 16.8 25.2#



#88
Benzo(b)fluoranthene
Concen: 8.549 ng
RT: 23.733 min Scan# 3514
Delta R.T. -0.001 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:252 Resp: 1902
Ion Ratio Lower Upper
252 100
253 25.1 20.0 30.0
125 0.0 8.1 12.1#

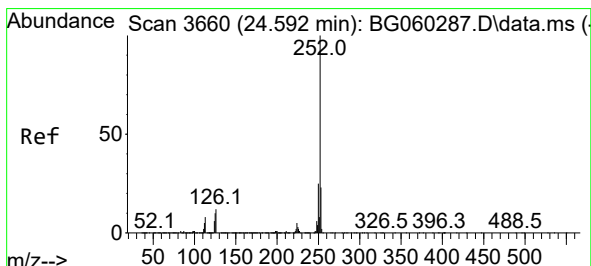
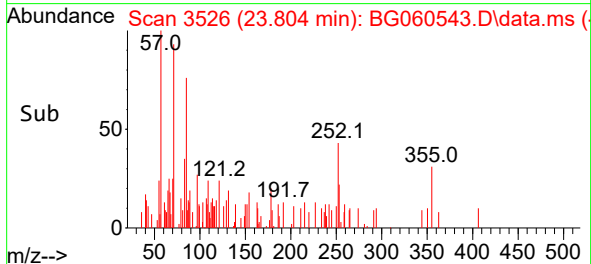
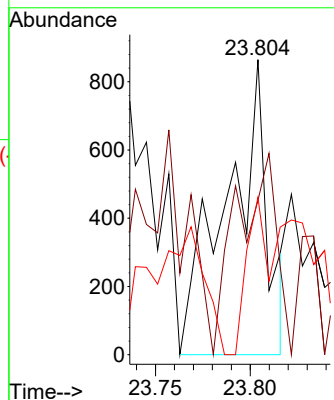
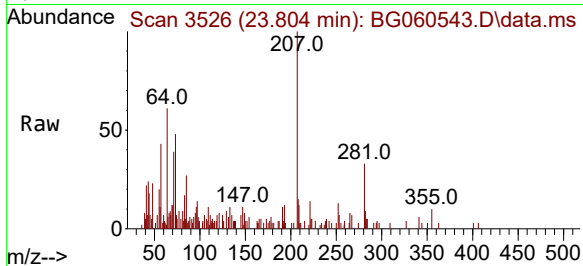




#89
Benzo(k)fluoranthene
Concen: 5.899 ng
RT: 23.804 min Scan# 3526
Delta R.T. -0.001 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 1295
Ion Ratio Lower Upper
252 100
253 52.3 19.6 29.4#
125 53.3 8.2 12.2#



#90
Benzo(a)pyrene
Concen: 7.971 ng
RT: 24.591 min Scan# 3660
Delta R.T. -0.001 min
Lab File: BG060543.D
Acq: 1 Feb 2024 21:42

Tgt Ion:252 Resp: 1602
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 37.1 8.1 12.1#

