

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041024\
 Data File : BG060855.D
 Acq On : 10 Apr 2024 18:34
 Operator : MA/JU
 Sample : P2038-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-040924

Quant Time: Apr 10 19:25:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

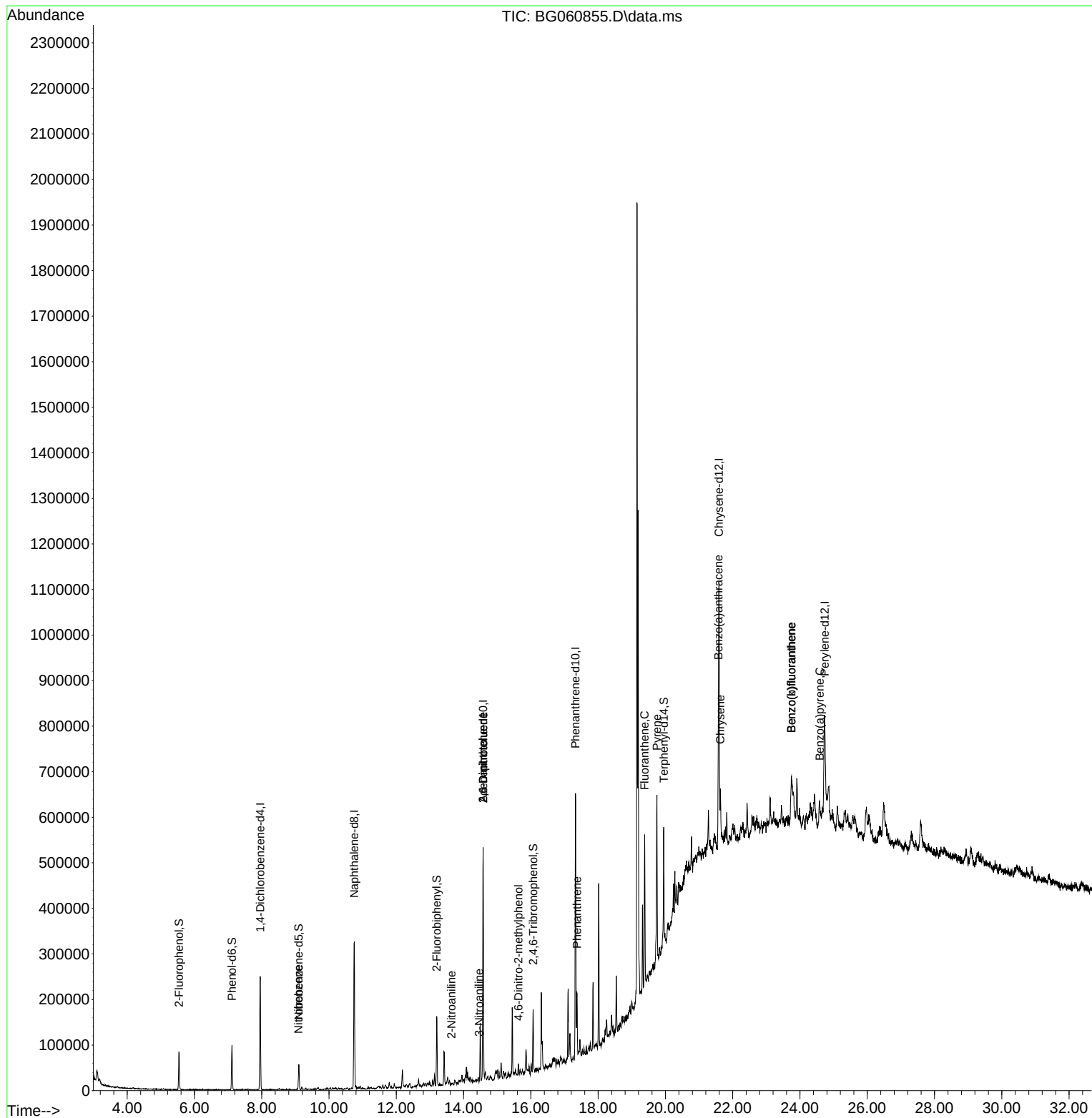
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	67068	20.000	ng	0.00
21) Naphthalene-d8	10.750	136	252534	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	176784	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	383537	20.000	ng	-0.01
76) Chrysene-d12	21.590	240	346816	20.000	ng	-0.01
86) Perylene-d12	24.733	264	332252	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	35669	8.860	ng	0.00
7) Phenol-d6	7.113	99	49736	8.323	ng	0.00
23) Nitrobenzene-d5	9.099	82	31021	7.009	ng	-0.01
42) 2,4,6-Tribromophenol	16.067	330	22797	11.360	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	78453	6.513	ng	-0.02
79) Terphenyl-d14	19.951	244	125999	6.397	ng	-0.01
Target Compounds						Qvalue
24) Nitrobenzene	9.087	77	68	2.786	ng	# 42
48) 2-Nitroaniline	13.635	65	137	2.838	ng	# 11
51) 2,6-Dinitrotoluene	14.581	165	24310	12.503	ng	# 20
53) 3-Nitroaniline	14.463	138	130	2.896	ng	# 1
57) 2,4-Dinitrotoluene	14.581	165	24310	10.501	ng	# 21
65) 4,6-Dinitro-2-methylph...	15.632	198	66	7.069	ng	# 1
71) Phenanthrene	17.372	178	91510	4.588	ng	98
75) Fluoranthene	19.381	202	206689	8.539	ng	96
78) Pyrene	19.745	202	191092	7.878	ng	99
81) Benzo(a)anthracene	21.572	228	105705	4.324	ng	# 94
83) Chrysene	21.631	228	95269	4.043	ng	# 86
88) Benzo(b)fluoranthene	23.741	252	107403	5.627	ng	# 80
89) Benzo(k)fluoranthene	23.741	252	107403	5.497	ng	# 80
90) Benzo(a)pyrene	24.587	252	76794	4.140	ng	# 80

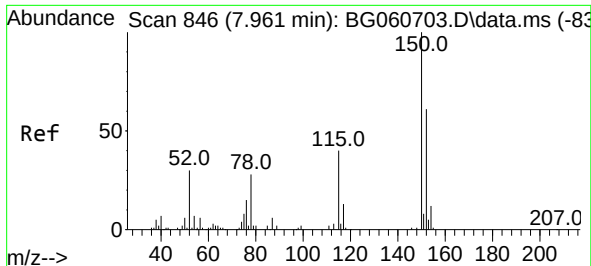
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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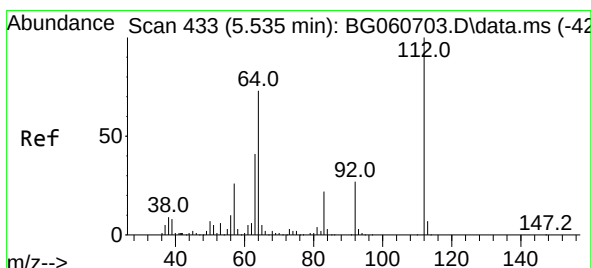
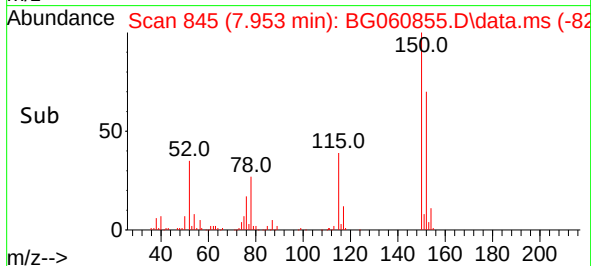
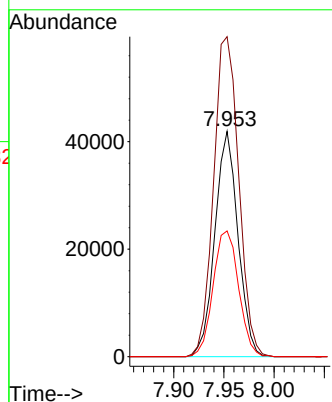
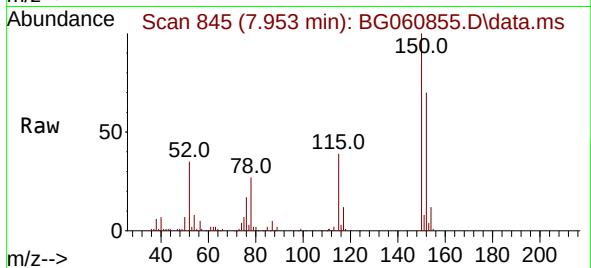




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

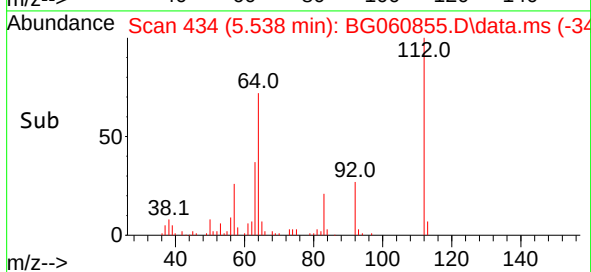
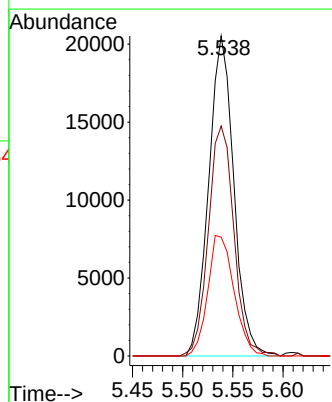
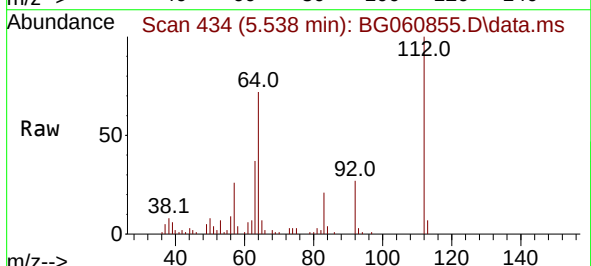
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

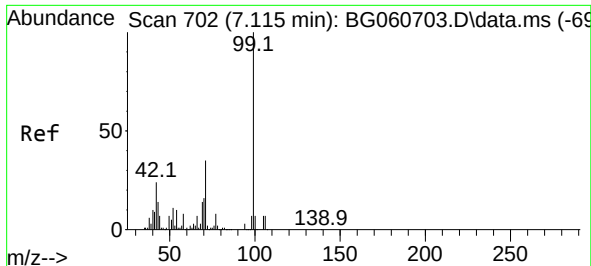
Tgt Ion:152 Resp: 67068
Ion Ratio Lower Upper
152 100
150 142.0 130.2 195.4
115 55.8 51.6 77.4



#5
2-Fluorophenol
Concen: 8.860 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:112 Resp: 35669
Ion Ratio Lower Upper
112 100
64 71.9 58.4 87.6
63 37.1 32.7 49.1

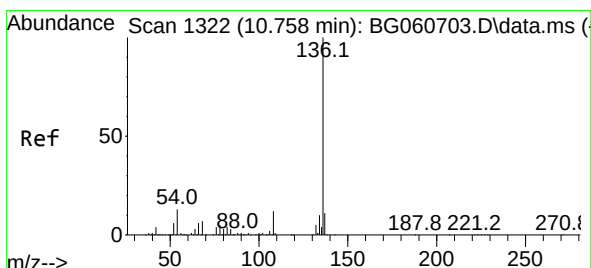
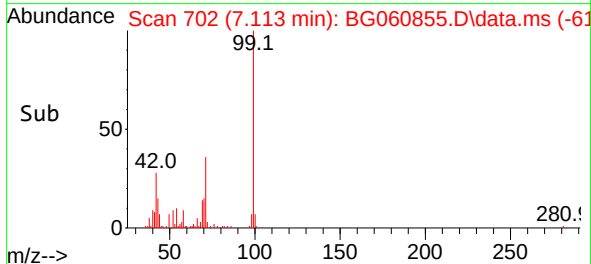
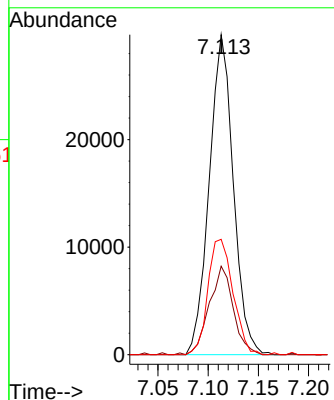
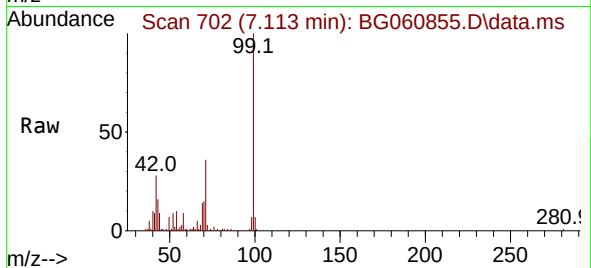




#7
Phenol-d6
Concen: 8.323 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.002 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

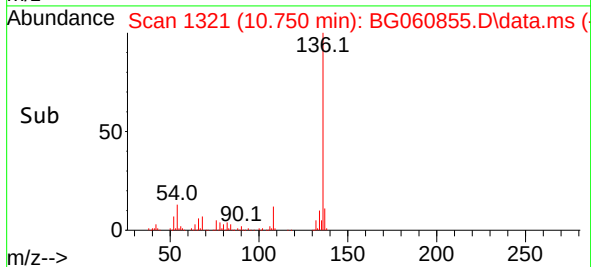
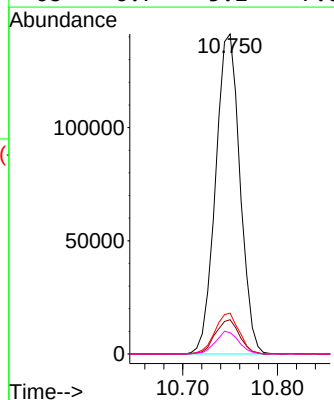
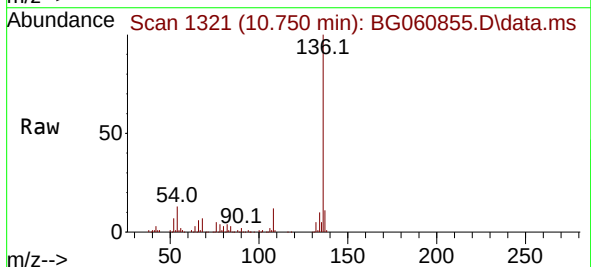
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

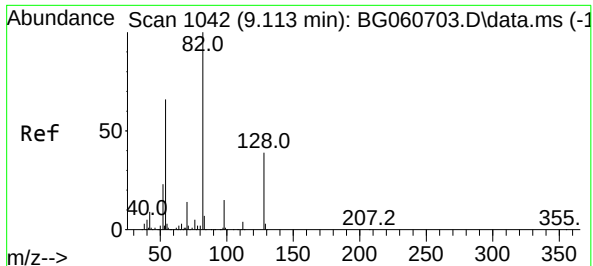
Tgt Ion: 99 Resp: 49736
Ion Ratio Lower Upper
99 100
42 27.6 19.4 29.2
71 36.1 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion: 136 Resp: 252534
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 12.7 10.2 15.2
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 7.009 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.014 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

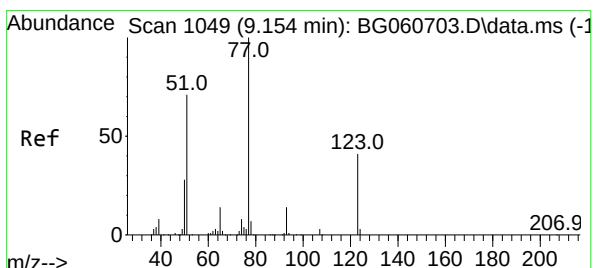
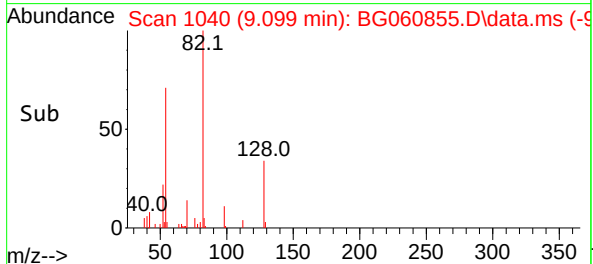
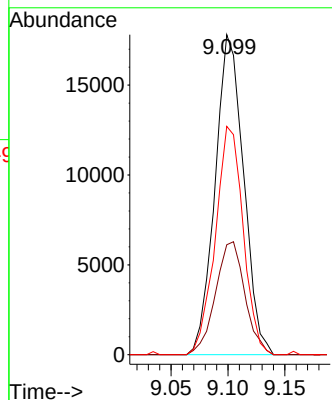
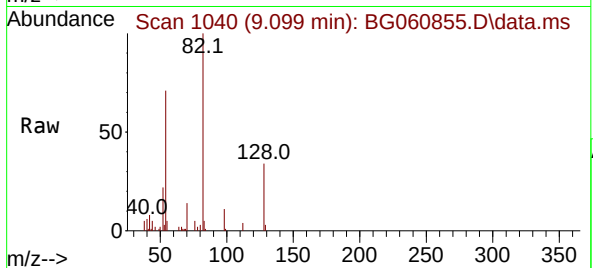
Tgt Ion: 82 Resp: 31021

Ion Ratio Lower Upper

82 100

128 34.3 31.2 46.8

54 71.3 53.2 79.8



#24

Nitrobenzene

Concen: 2.786 ng

RT: 9.087 min Scan# 1038

Delta R.T. -0.067 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

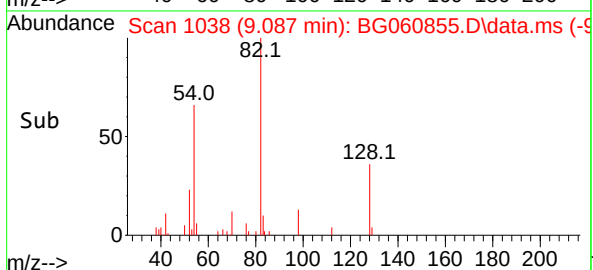
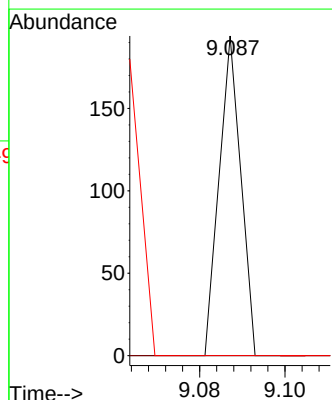
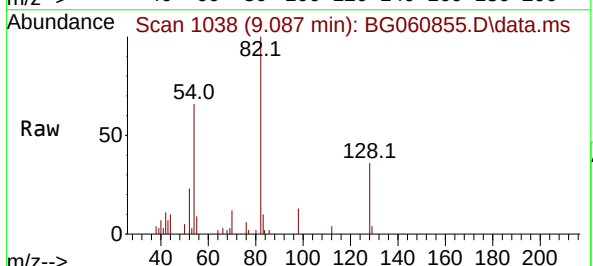
Tgt Ion: 77 Resp: 68

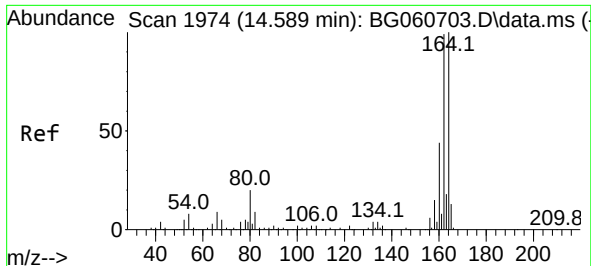
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 0.0 11.3 16.9#

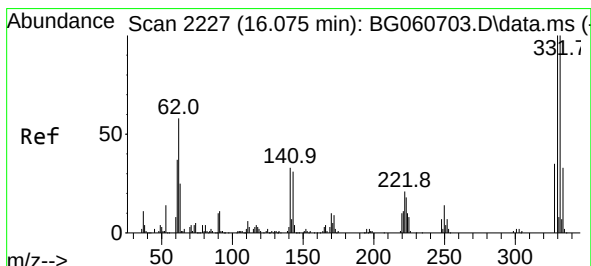
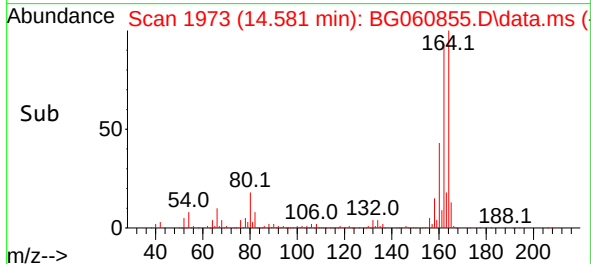
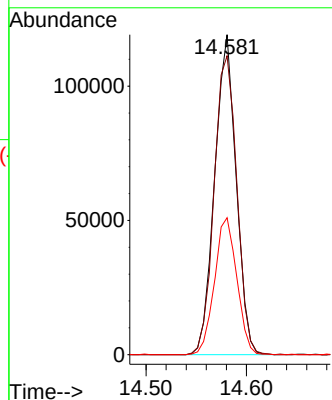
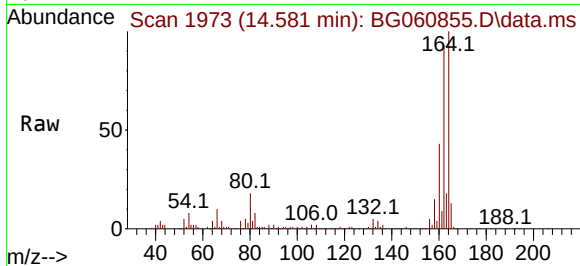




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1974
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

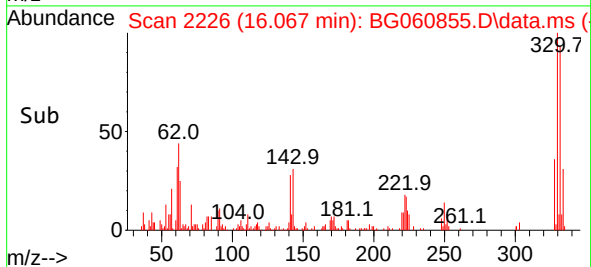
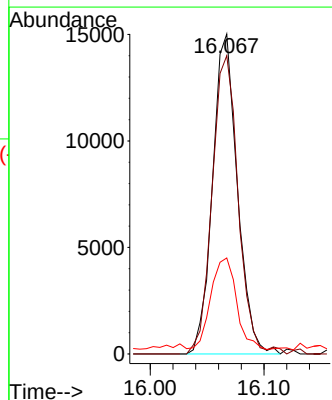
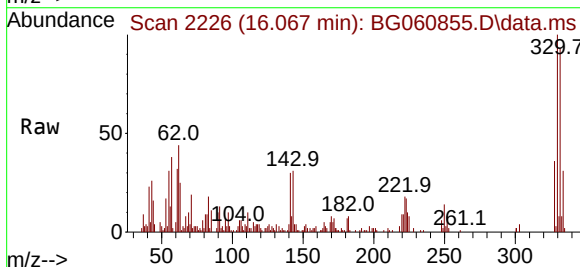
Instrument :
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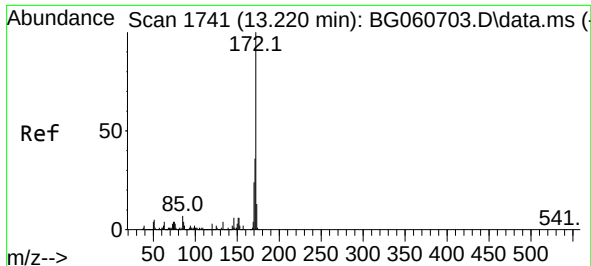
Tgt Ion:164 Resp: 176784
Ion Ratio Lower Upper
164 100
162 93.4 79.5 119.3
160 42.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 11.360 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:330 Resp: 22797
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.4
141 32.7 27.0 40.6

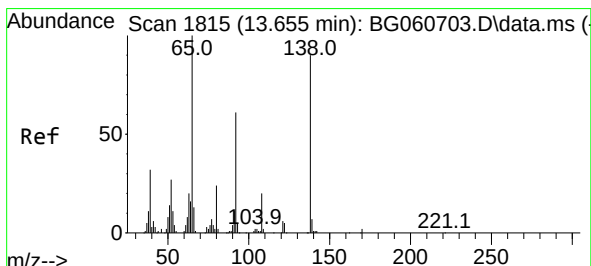
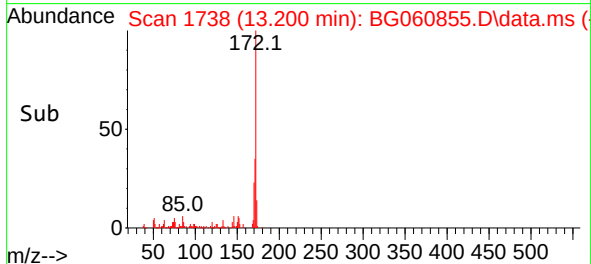
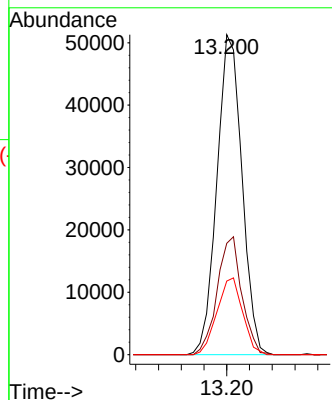
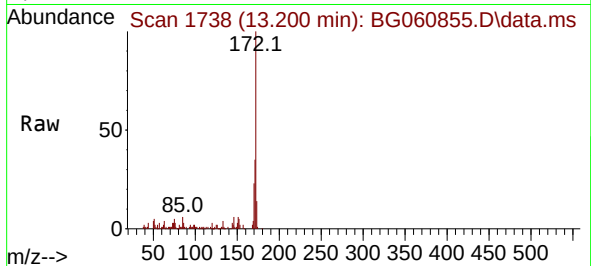




#45
2-Fluorobiphenyl
Concen: 6.513 ng
RT: 13.200 min Scan# 1738
Delta R.T. -0.020 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

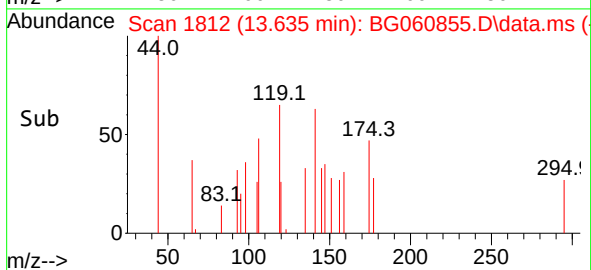
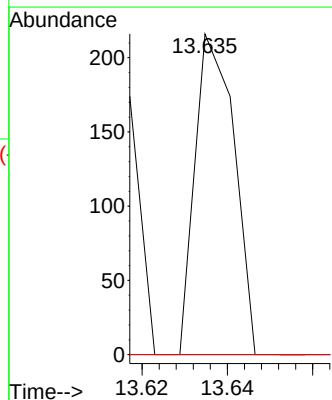
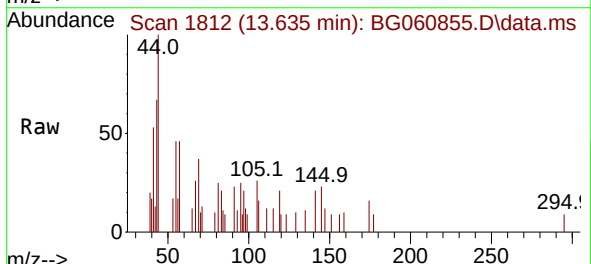
Instrument :
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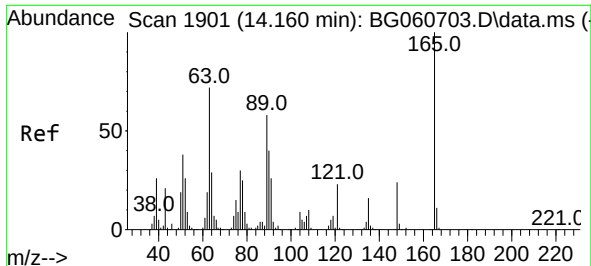
Tgt Ion:	172	Resp:	78453
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.7	43.1
170	23.0	19.4	29.0



#48
2-Nitroaniline
Concen: 2.838 ng
RT: 13.635 min Scan# 1812
Delta R.T. -0.020 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:	65	Resp:	137
Ion Ratio	Lower	Upper	
65	100		
92	0.0	48.6	72.8#
138	0.0	72.2	108.4#

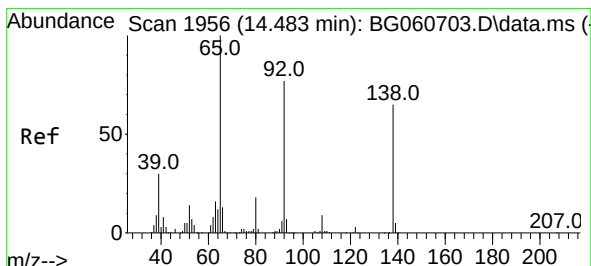
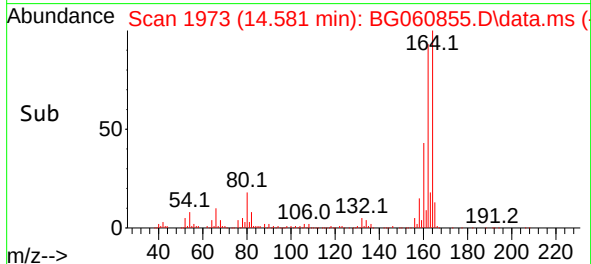
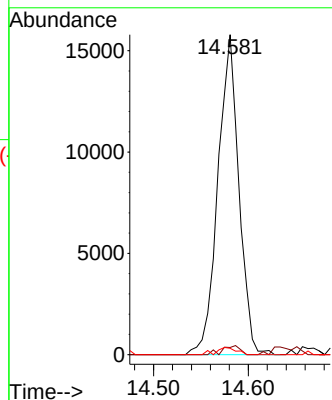
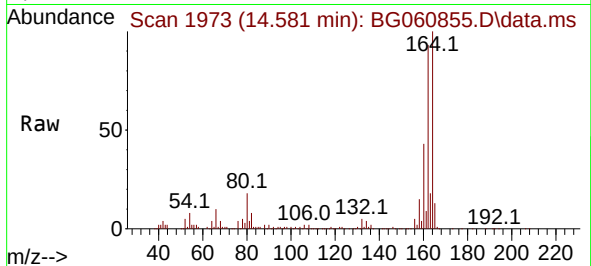




#51
2,6-Dinitrotoluene
Concen: 12.503 ng
RT: 14.581 min Scan# 1901
Delta R.T. 0.421 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

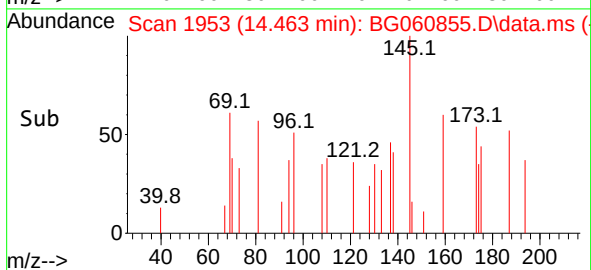
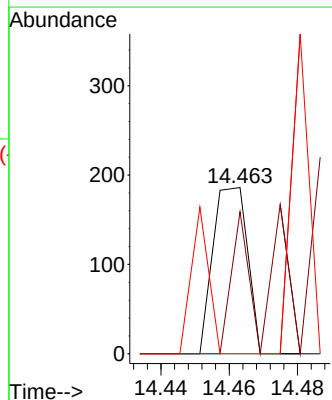
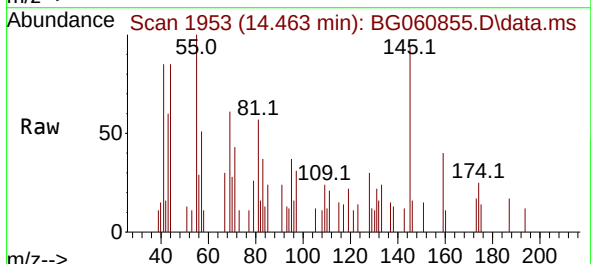
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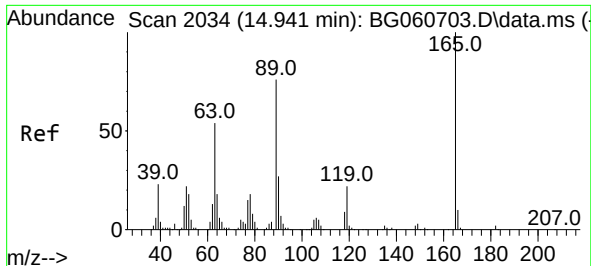
Tgt Ion:165 Resp: 24310
Ion Ratio Lower Upper
165 100
63 2.2 58.2 87.4#
89 2.0 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.896 ng
RT: 14.463 min Scan# 1953
Delta R.T. -0.020 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:138 Resp: 130
Ion Ratio Lower Upper
138 100
108 85.5 11.3 16.9#
92 0.0 94.1 141.1#

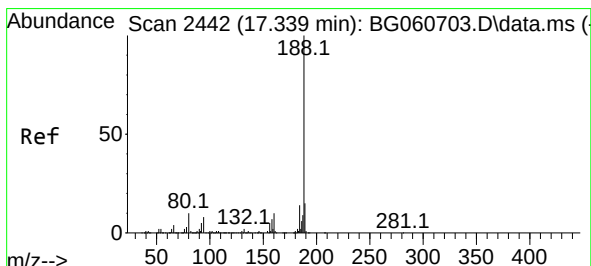
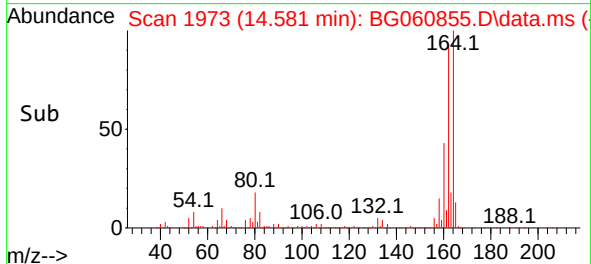
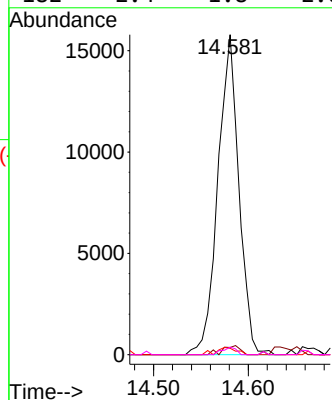
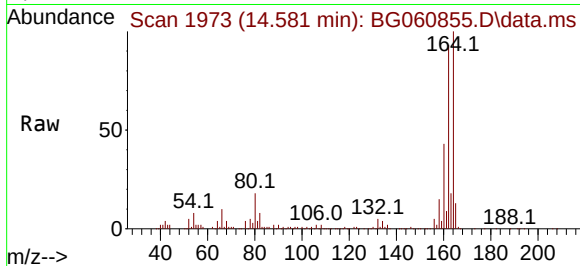




#57
2,4-Dinitrotoluene
Concen: 10.501 ng
RT: 14.581 min Scan# 1973
Delta R.T. -0.360 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

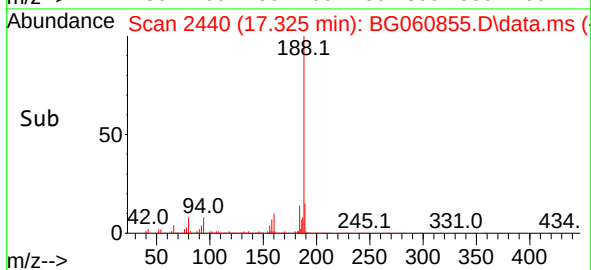
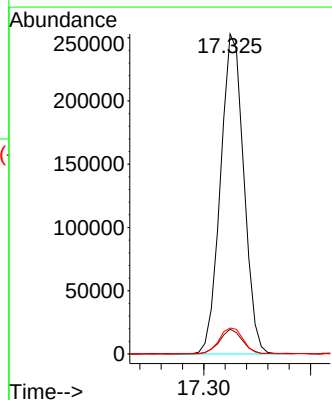
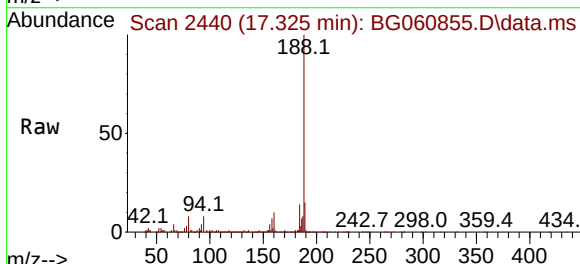
Instrument :
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ClientSampleId :
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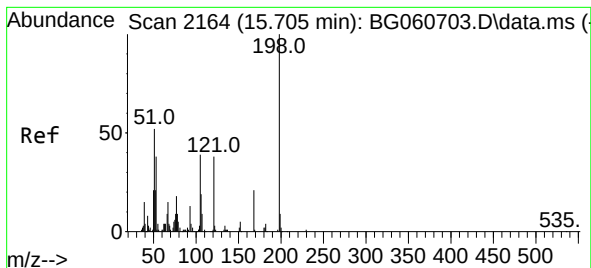
Tgt Ion:165	Resp:	24310
Ion Ratio	Lower	Upper
165	100	
63	2.2	43.4 65.0#
89	2.0	61.0 91.6#
182	2.4	1.8 2.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2440
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:188	Resp:	383537
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.6 9.8
80	8.1	7.6 11.4

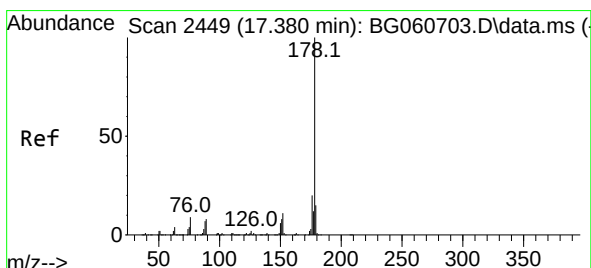
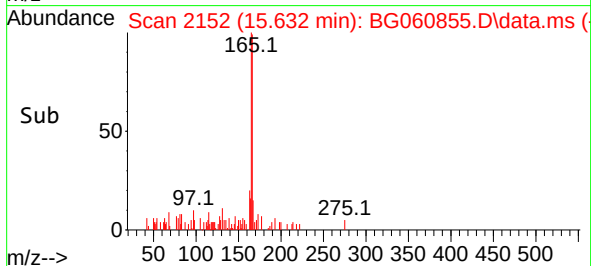
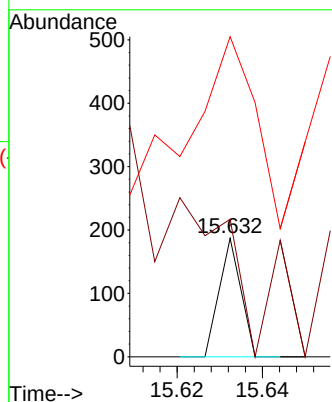
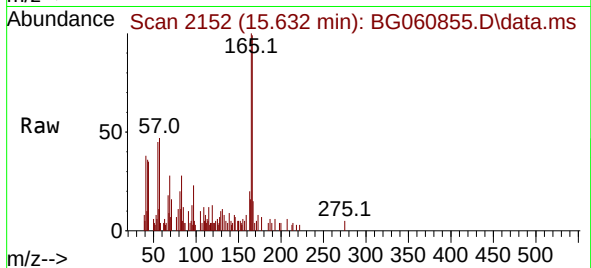




#65
4,6-Dinitro-2-methylphenol
Concen: 7.069 ng
RT: 15.632 min Scan# 2164
Delta R.T. -0.073 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

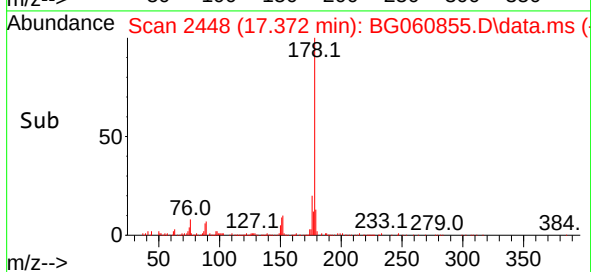
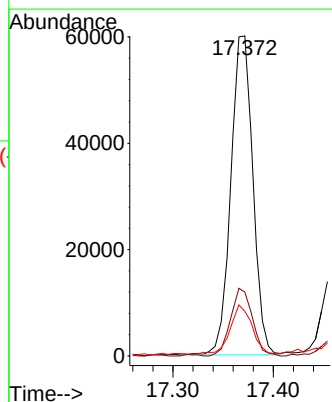
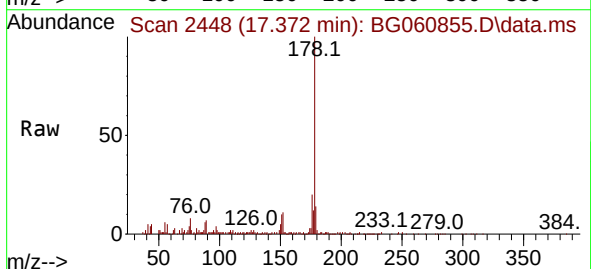
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

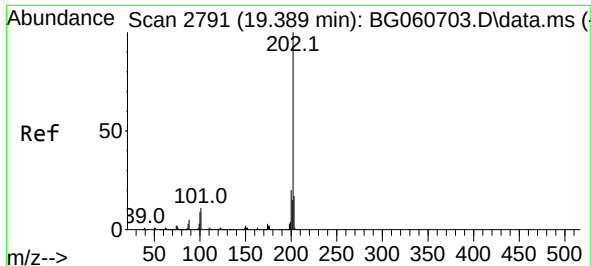
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 116.0 36.7 76.7#
105 270.1 19.1 59.1#



#71
Phenanthrene
Concen: 4.588 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:178 Resp: 91510
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 13.9 12.2 18.4

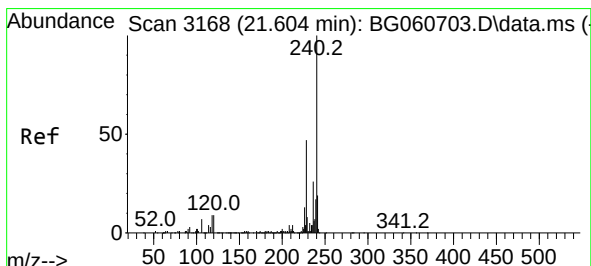
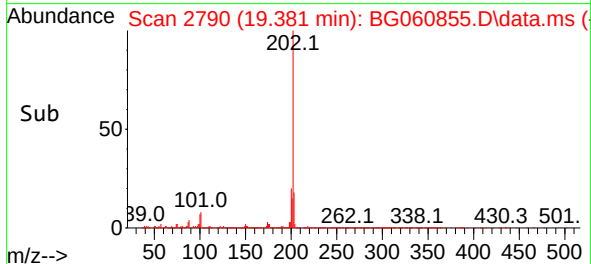
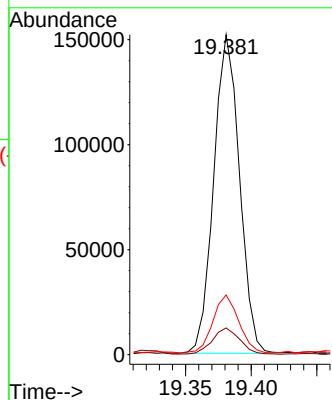
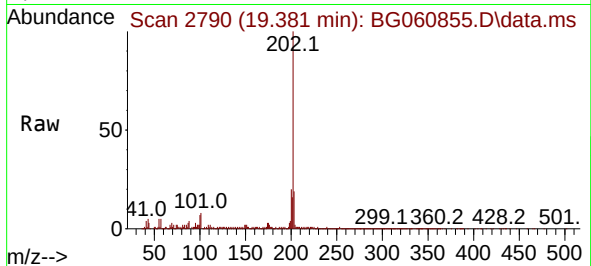




#75
Fluoranthene
Concen: 8.539 ng
RT: 19.381 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

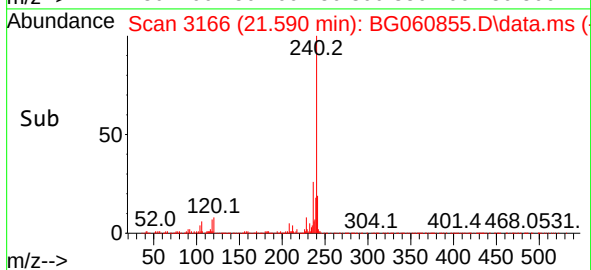
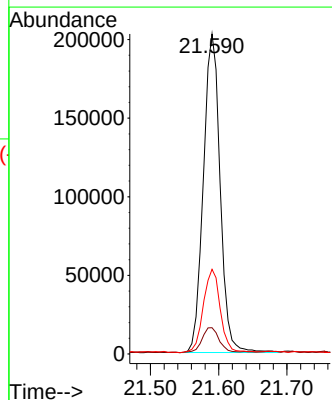
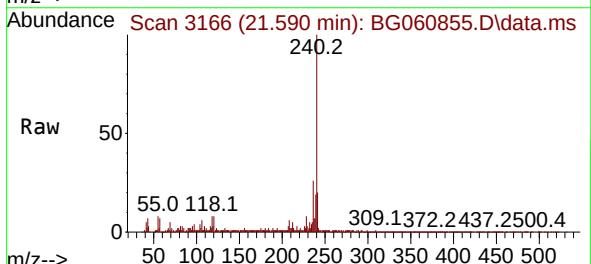
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

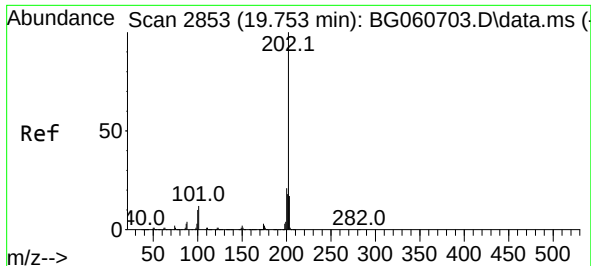
Tgt Ion:202 Resp: 206689
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.8
203 18.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:240 Resp: 346816
Ion Ratio Lower Upper
240 100
120 8.2 7.1 10.7
236 26.4 20.7 31.1

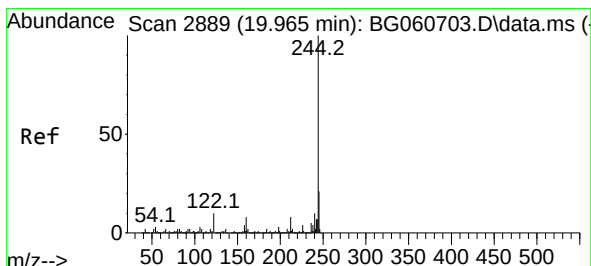
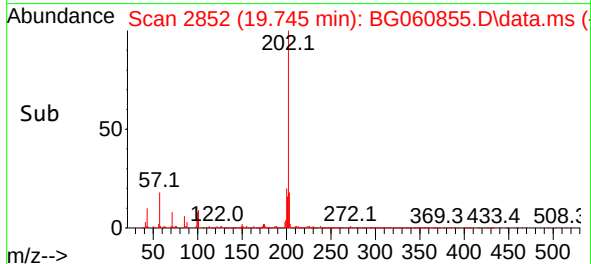
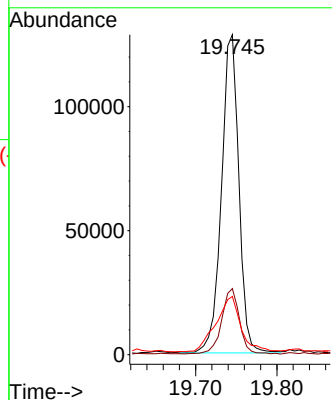
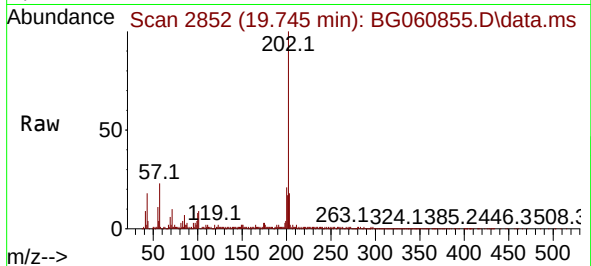




#78
Pyrene
Concen: 7.878 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

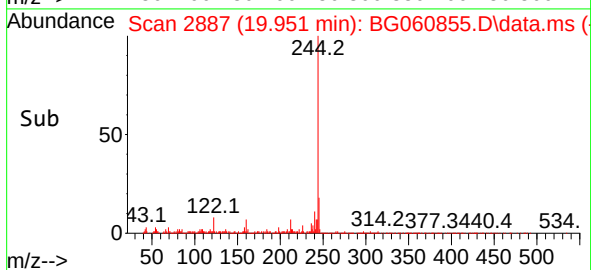
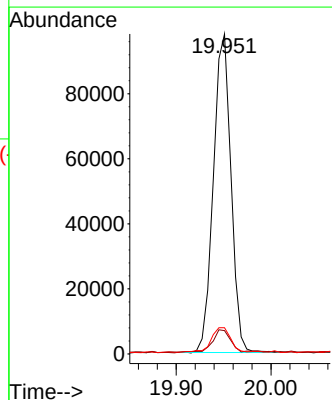
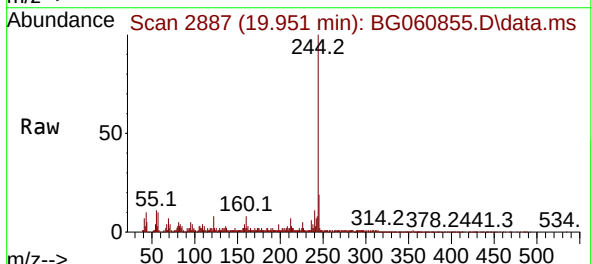
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

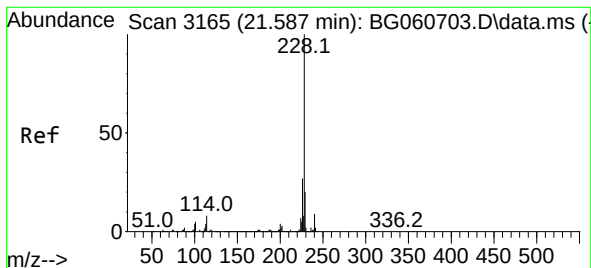
Tgt Ion:202 Resp: 191092
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.2 14.0 21.0



#79
Terphenyl-d14
Concen: 6.397 ng
RT: 19.951 min Scan# 2887
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:244 Resp: 125999
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 4.324 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.014 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

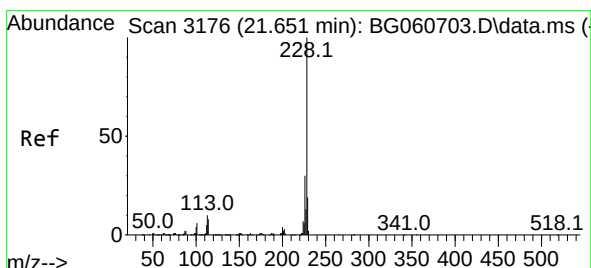
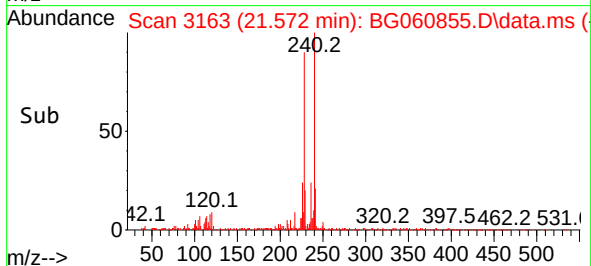
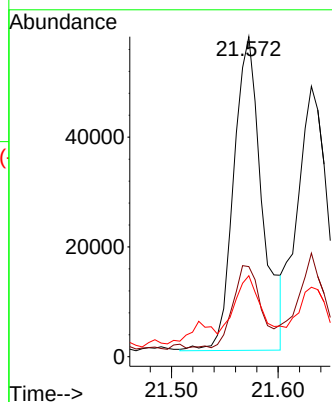
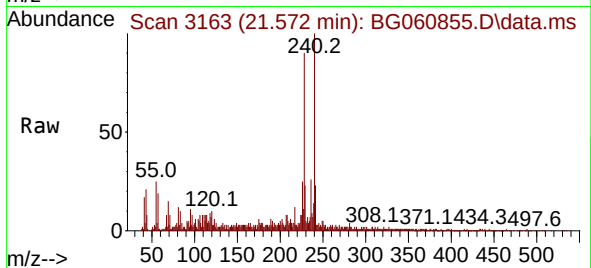
Tgt Ion:228 Resp: 105705

Ion Ratio Lower Upper

228 100

226 28.1 21.7 32.5

229 25.3 15.8 23.8#



#83

Chrysene

Concen: 4.043 ng

RT: 21.631 min Scan# 3173

Delta R.T. -0.020 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

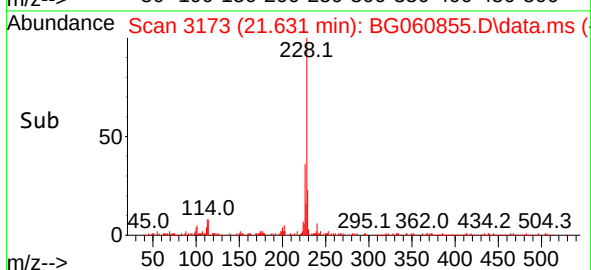
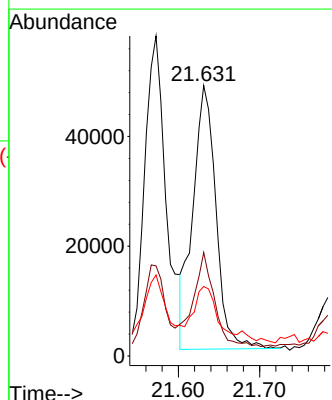
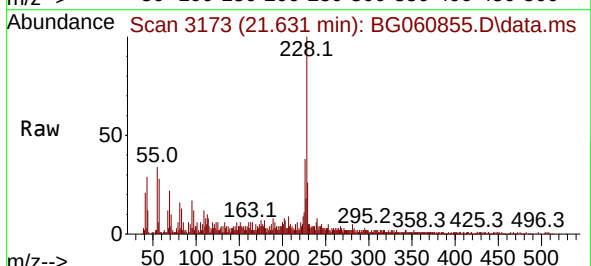
Tgt Ion:228 Resp: 95269

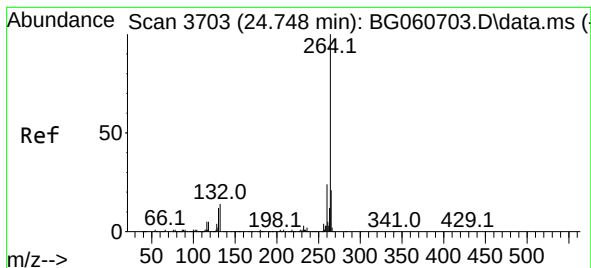
Ion Ratio Lower Upper

228 100

226 38.3 24.2 36.4#

229 25.7 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

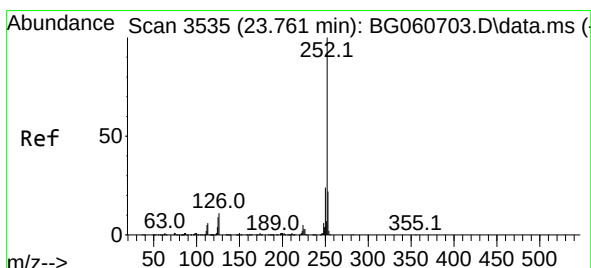
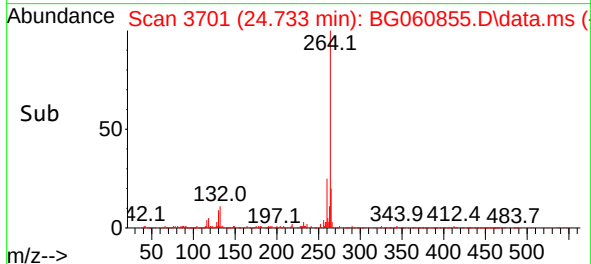
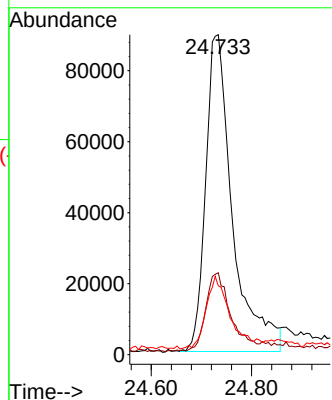
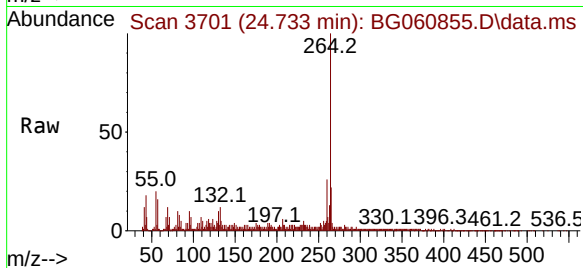
Tgt Ion:264 Resp: 332252

Ion Ratio Lower Upper

264 100

260 25.6 19.5 29.3

265 21.6 16.9 25.3



#88

Benzo(b)fluoranthene

Concen: 5.627 ng

RT: 23.741 min Scan# 3532

Delta R.T. -0.020 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

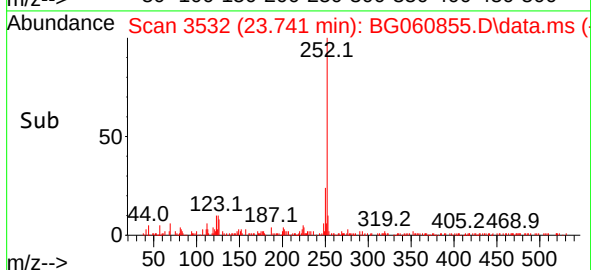
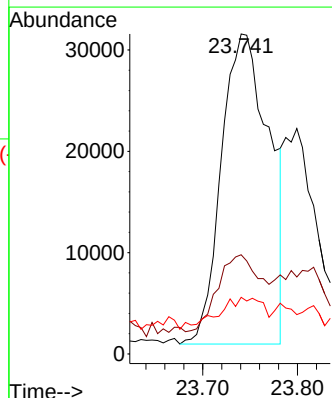
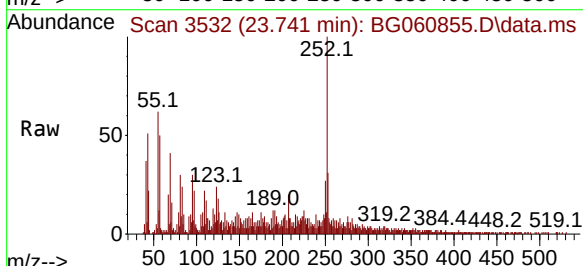
Tgt Ion:252 Resp: 107403

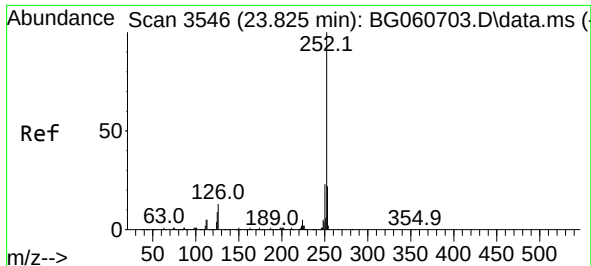
Ion Ratio Lower Upper

252 100

253 31.0 17.8 26.8#

125 17.7 7.1 10.7#

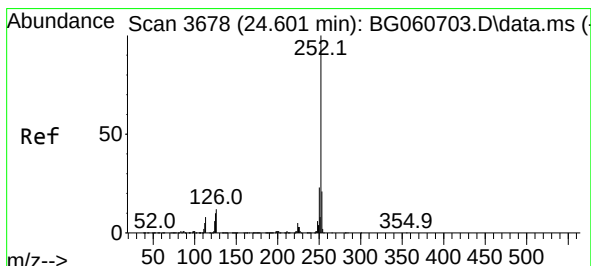
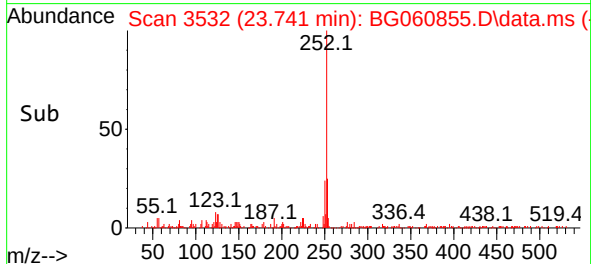
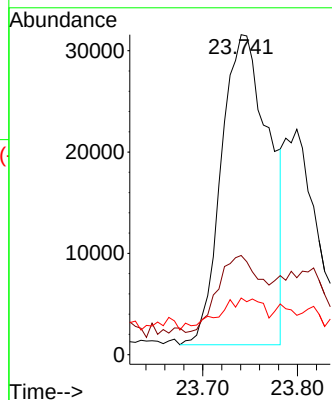
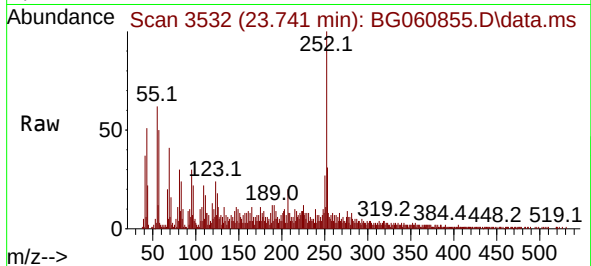




#89
Benzo(k)fluoranthene
Concen: 5.497 ng
RT: 23.741 min Scan# 31
Delta R.T. -0.085 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Instrument :
BNA_G
ClientSampleId :
OK-02-040924

Tgt Ion:252 Resp: 107403
Ion Ratio Lower Upper
252 100
253 31.0 17.6 26.4#
125 17.7 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 4.140 ng
RT: 24.587 min Scan# 3676
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:252 Resp: 76794
Ion Ratio Lower Upper
252 100
253 29.5 16.8 25.2#
125 18.8 7.6 11.4#

