

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020224\
 Data File : BG060550.D
 Acq On : 2 Feb 2024 2:25
 Operator : MA/JU
 Sample : P1307-08 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-614-COMP-02

Quant Time: Feb 02 03:00:44 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

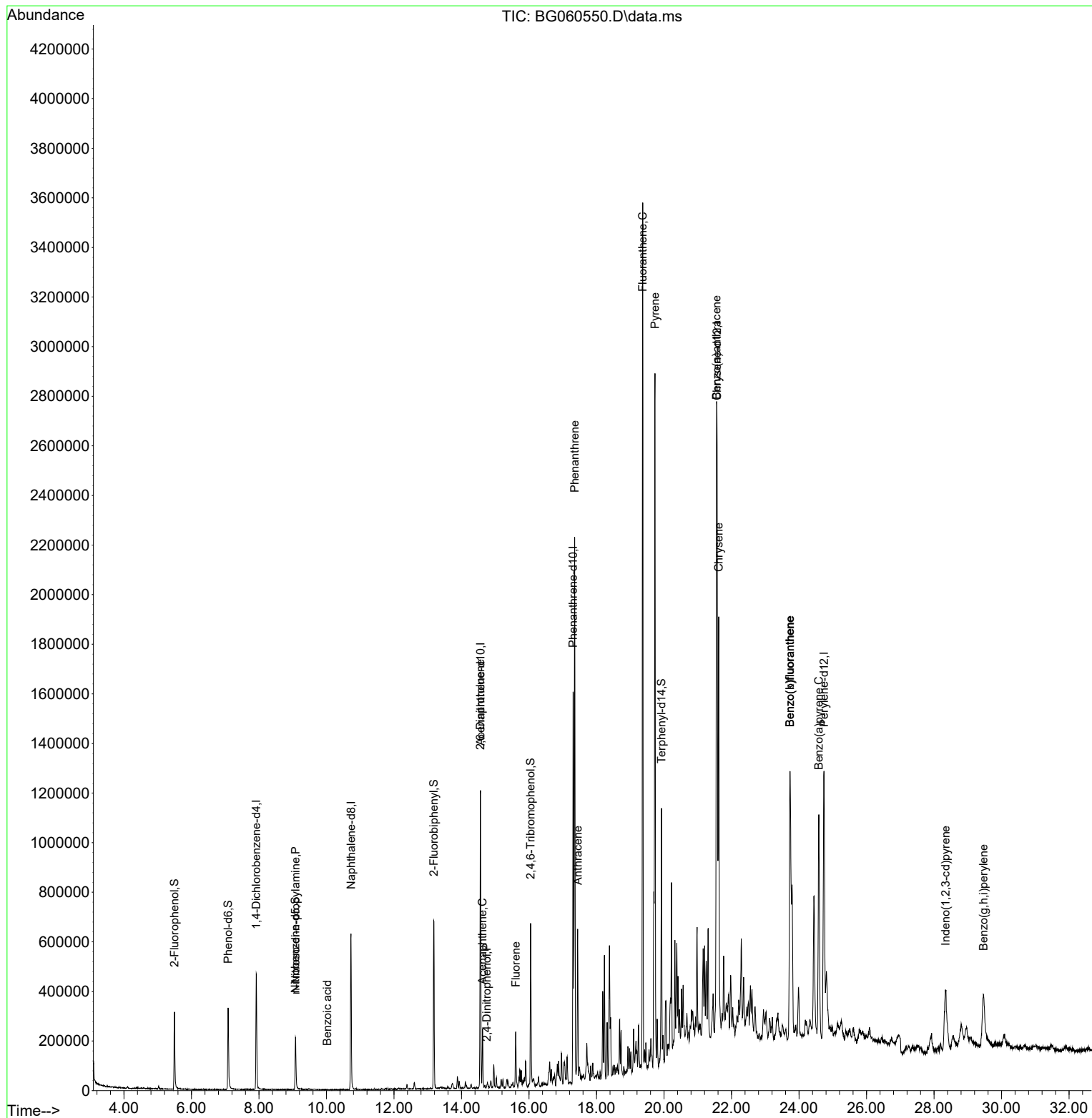
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	157991	20.000	ng	-0.01
21) Naphthalene-d8	10.726	136	571003	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	450540	20.000	ng	0.00
64) Phenanthrene-d10	17.306	188	1105853	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1042359	20.000	ng	0.00
86) Perylene-d12	24.739	264	1246931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	166213	17.304	ng	0.00
7) Phenol-d6	7.083	99	248601	17.478	ng	-0.01
23) Nitrobenzene-d5	9.081	82	158704	13.124	ng	-0.01
42) 2,4,6-Tribromophenol	16.049	330	133356	20.118	ng	0.00
45) 2-Fluorobiphenyl	13.176	172	410721	12.674	ng	-0.01
79) Terphenyl-d14	19.927	244	538365	6.252	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.087	70	19777	2.009	ng	# 73
32) Benzoic acid	10.021	122	56	10.209	ng	# 1
51) 2,6-Dinitrotoluene	14.557	165	61623	8.388	ng	# 33
52) Acenaphthene	14.621	154	91000	3.643	ng	95
54) 2,4-Dinitrophenol	14.745	184	54	8.597	ng	# 1
58) Fluorene	15.608	166	102731	2.975	ng	97
71) Phenanthrene	17.353	178	1480583	27.699	ng	96
72) Anthracene	17.442	178	418165	7.836	ng	94
75) Fluoranthene	19.369	202	2244164	34.955	ng	89
78) Pyrene	19.733	202	1910966	28.708	ng	# 86
81) Benzo(a)anthracene	21.554	228	1364022	21.138	ng	92
83) Chrysene	21.619	228	1227642	19.343	ng	92
87) Indeno(1,2,3-cd)pyrene	28.341	276	491227	5.666	ng	95
88) Benzo(b)fluoranthene	23.734	252	1435425	19.486	ng	95
89) Benzo(k)fluoranthene	23.734	252	1435425	19.747	ng	96
90) Benzo(a)pyrene	24.586	252	1026732	15.429	ng	99
92) Benzo(g,h,i)perylene	29.469	276	490114	6.754	ng	99

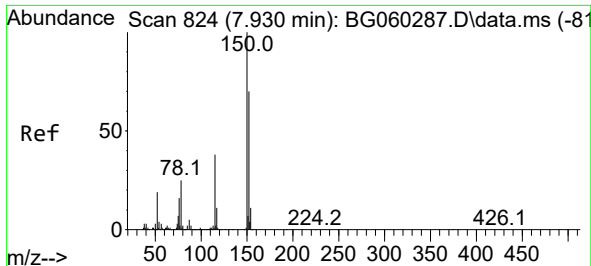
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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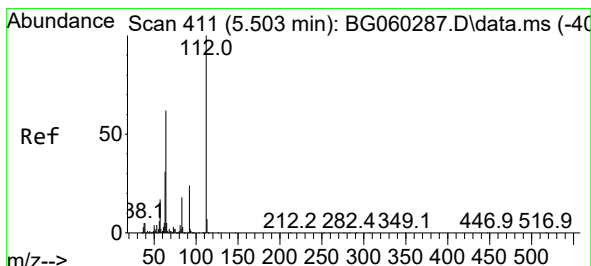
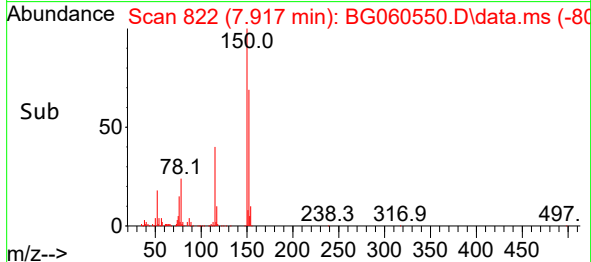
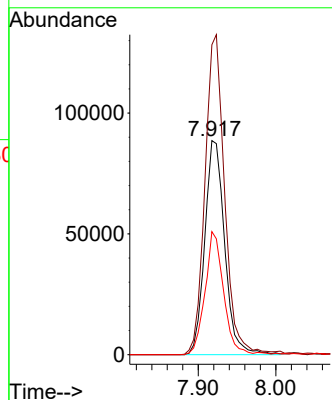
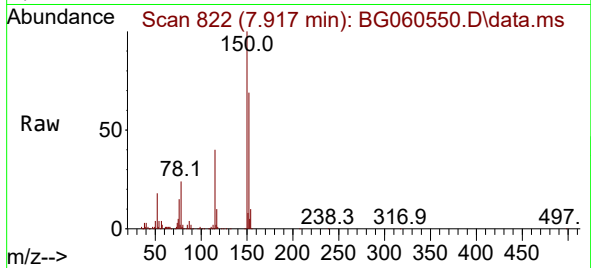




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.917 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

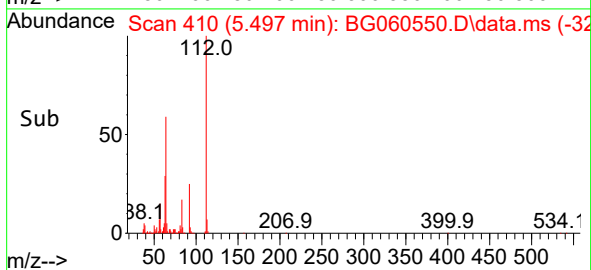
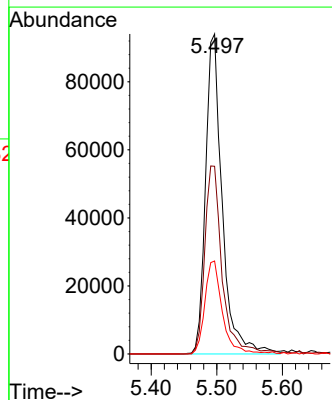
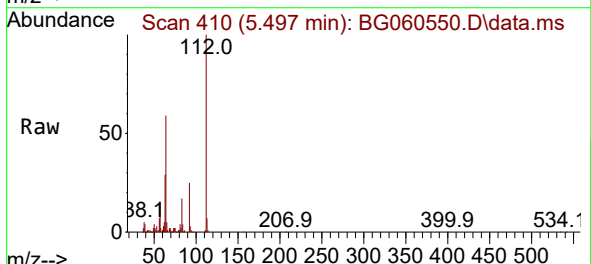
Instrument :
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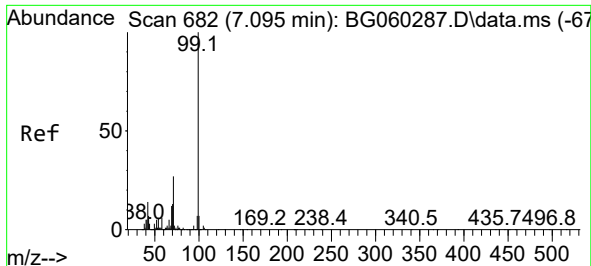
Tgt Ion:152 Resp: 157991
Ion Ratio Lower Upper
152 100
150 144.8 114.5 171.7
115 57.5 43.0 64.6



#5
2-Fluorophenol
Concen: 17.304 ng
RT: 5.497 min Scan# 410
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:112 Resp: 166213
Ion Ratio Lower Upper
112 100
64 58.6 49.8 74.6
63 29.1 24.4 36.6

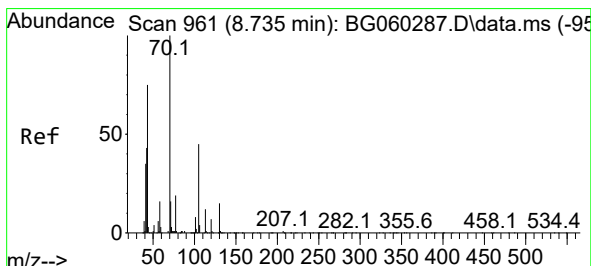
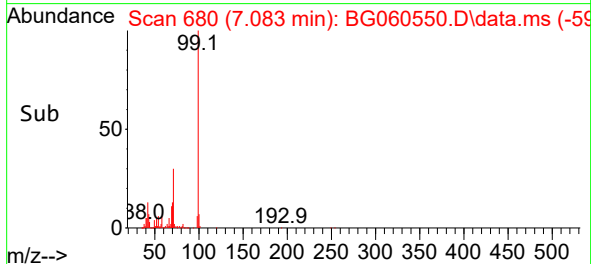
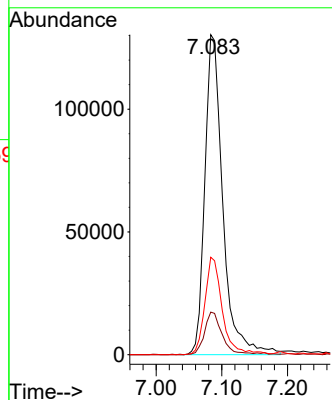
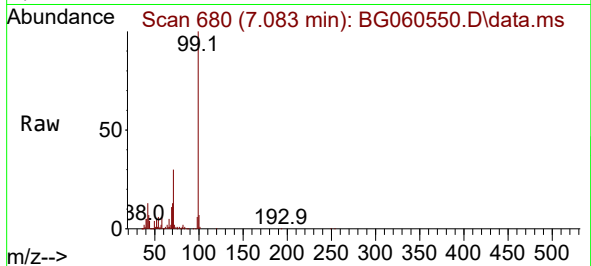




#7
Phenol-d6
Concen: 17.478 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

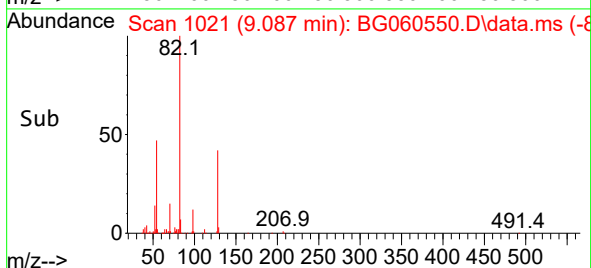
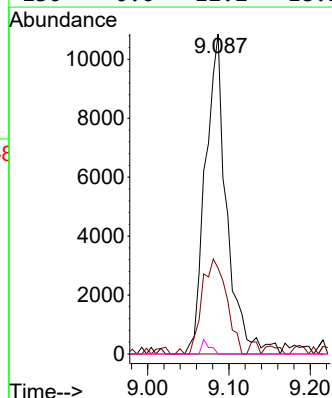
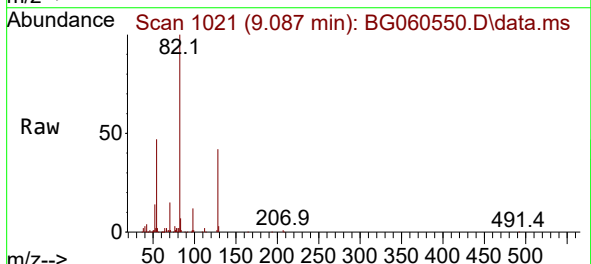
Instrument :
BNA_G
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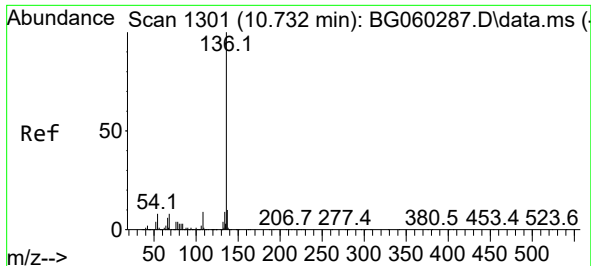
Tgt Ion: 99 Resp: 248601
Ion Ratio Lower Upper
99 100
42 13.3 10.9 16.3
71 30.4 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.009 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion: 70 Resp: 19777
Ion Ratio Lower Upper
70 100
42 26.7 34.3 51.5#
101 0.0 6.2 9.2#
130 0.0 12.2 18.2#

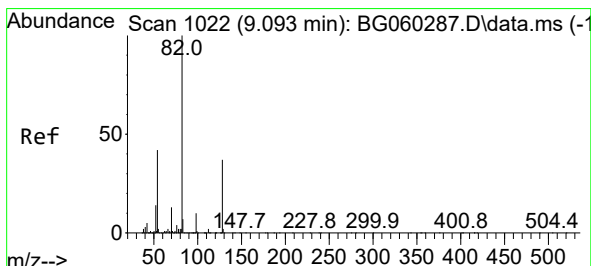
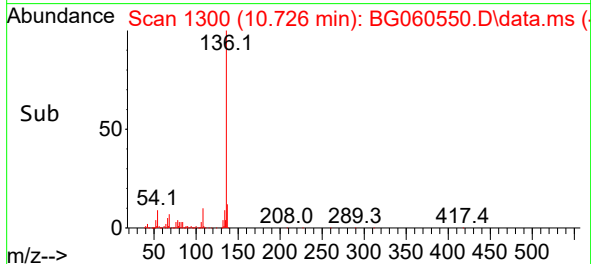
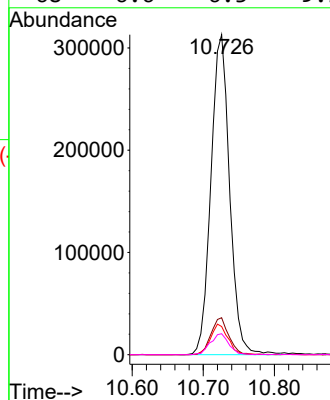
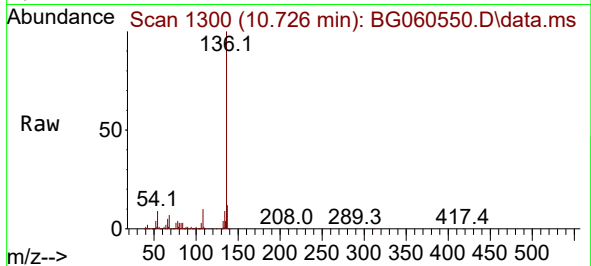




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

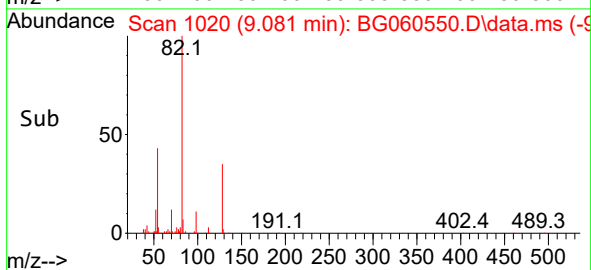
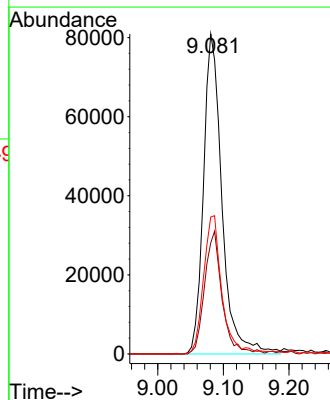
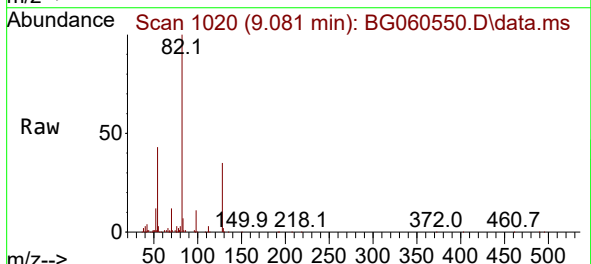
Instrument :
BNA_G
ClientSampleId :
TR-614-COMP-02

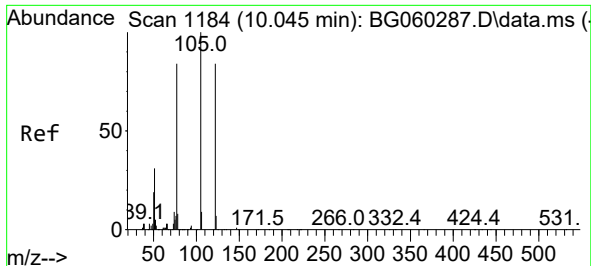
Tgt Ion:	136	Resp:	571003
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.2	12.4
54	8.8	6.2	9.2
68	6.6	6.3	9.5



#23
Nitrobenzene-d5
Concen: 13.124 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:	82	Resp:	158704
Ion Ratio	Lower	Upper	
82	100		
128	34.7	29.6	44.4
54	42.8	33.6	50.4

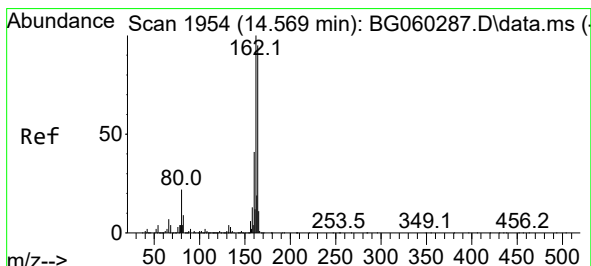
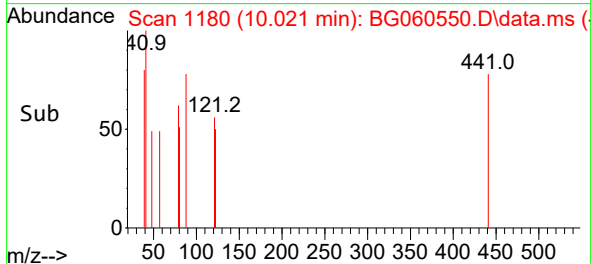
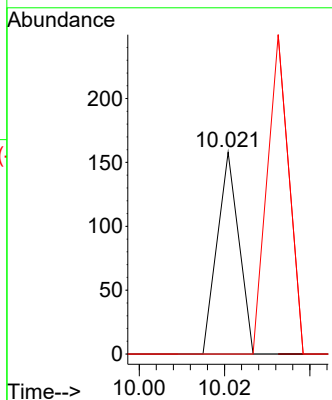
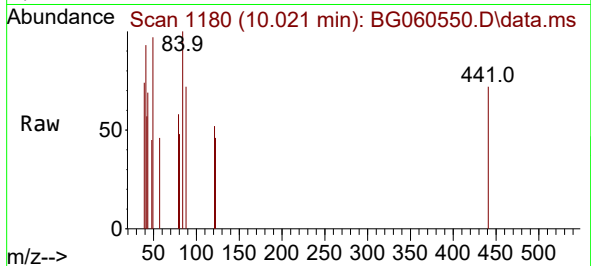




#32
Benzoic acid
Concen: 10.209 ng
RT: 10.021 min Scan# 1184
Delta R.T. -0.024 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

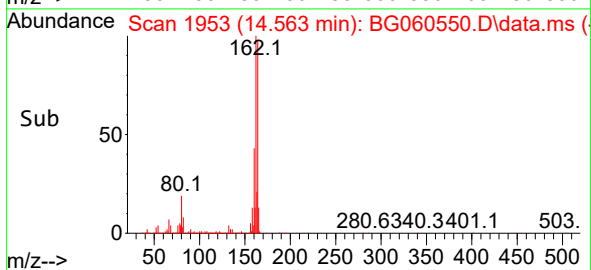
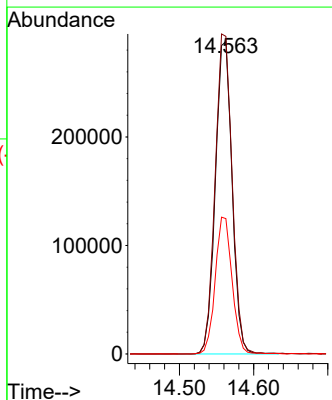
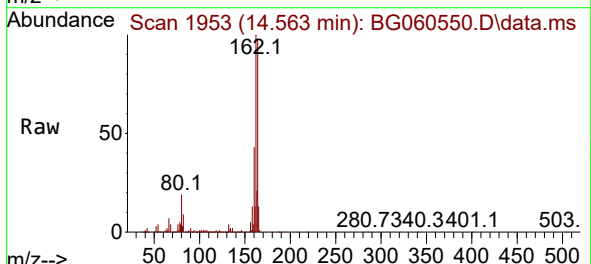
Instrument :
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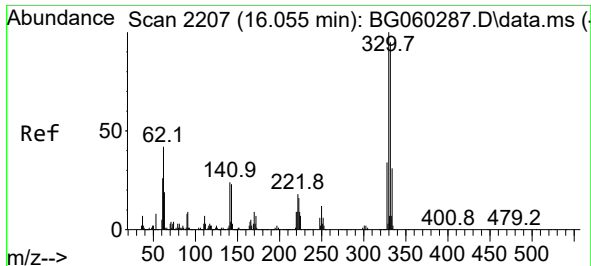
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:164 Resp: 450540
Ion Ratio Lower Upper
164 100
162 101.7 84.4 126.6
160 43.4 34.6 52.0

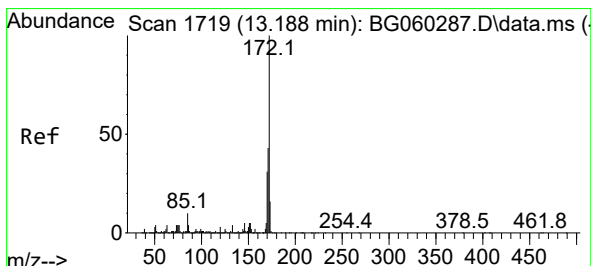
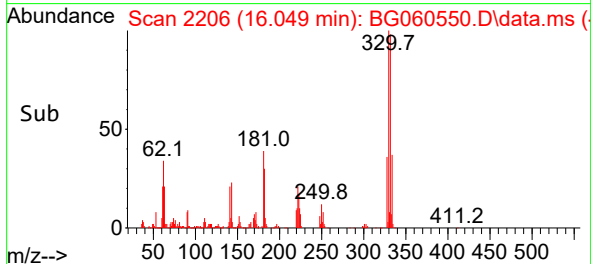
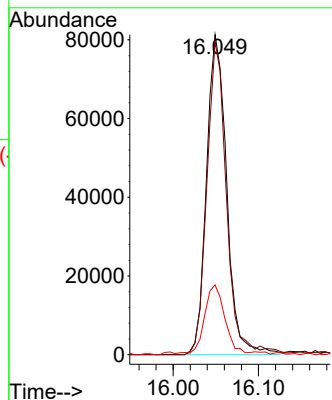
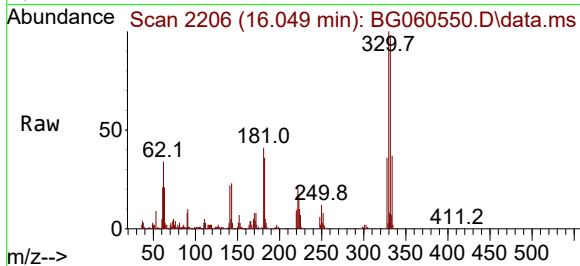




#42
2,4,6-Tribromophenol
Concen: 20.118 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

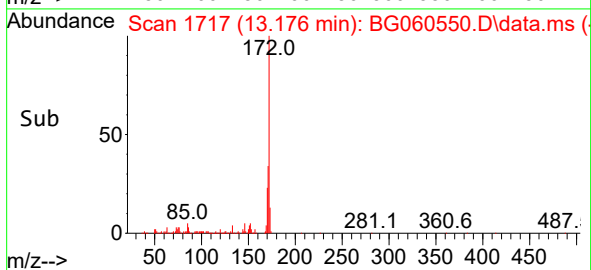
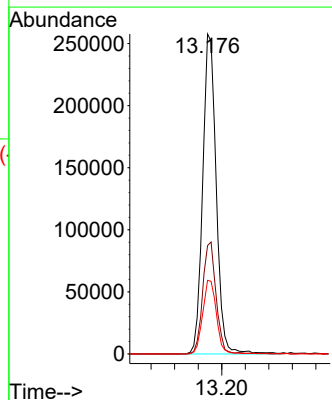
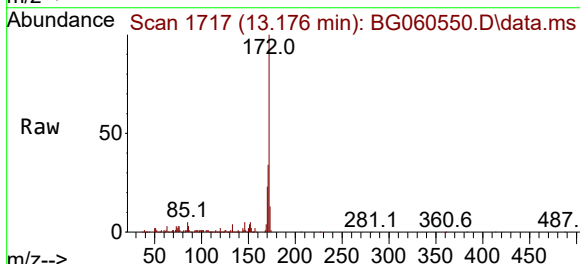
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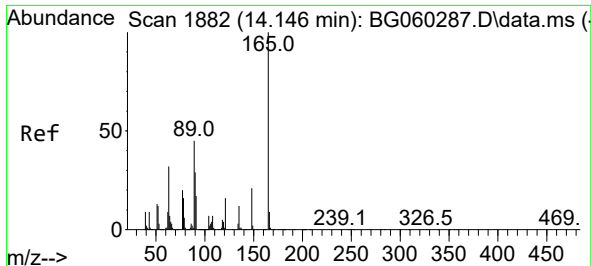
Tgt Ion:330 Resp: 133356
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 21.7 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 12.674 ng
RT: 13.176 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:172 Resp: 410721
Ion Ratio Lower Upper
172 100
171 33.9 34.6 51.8#
170 23.0 24.4 36.6#

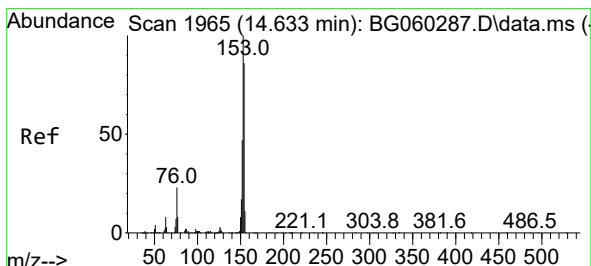
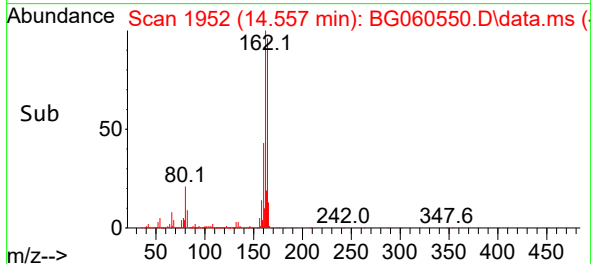
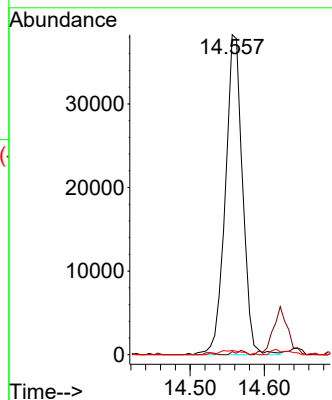
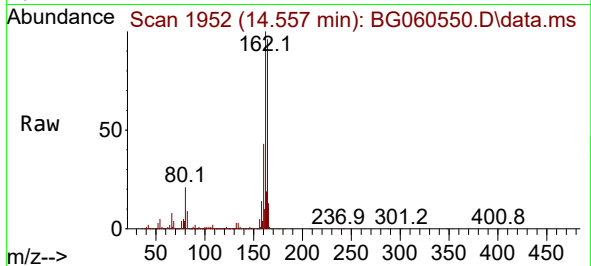




#51
2,6-Dinitrotoluene
Concen: 8.388 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.411 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

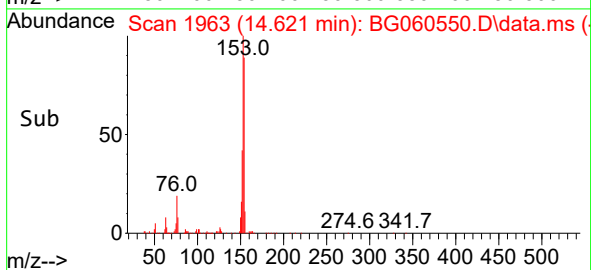
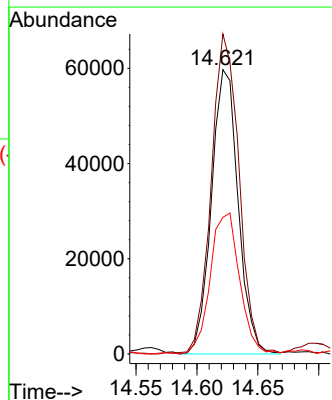
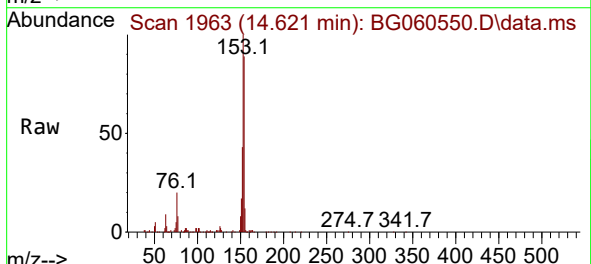
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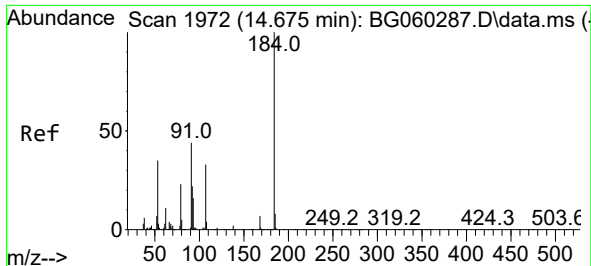
Tgt Ion:165 Resp: 61623
Ion Ratio Lower Upper
165 100
63 1.0 35.0 52.4#
89 1.3 36.2 54.2#



#52
Acenaphthene
Concen: 3.643 ng
RT: 14.621 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:154 Resp: 91000
Ion Ratio Lower Upper
154 100
153 112.5 92.6 138.8
152 48.1 43.8 65.8

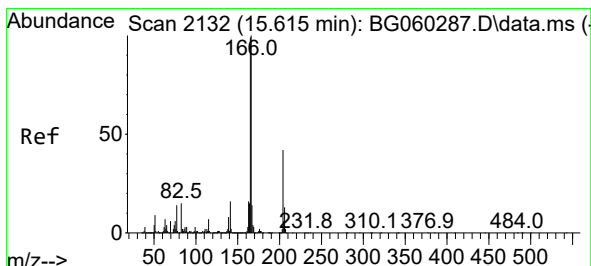
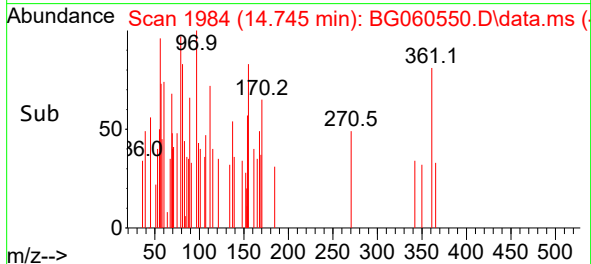
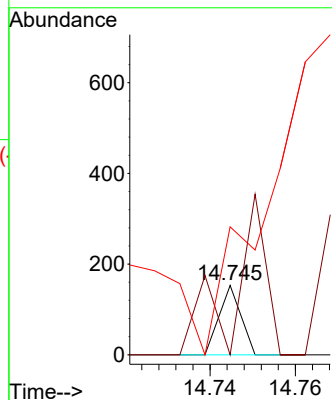
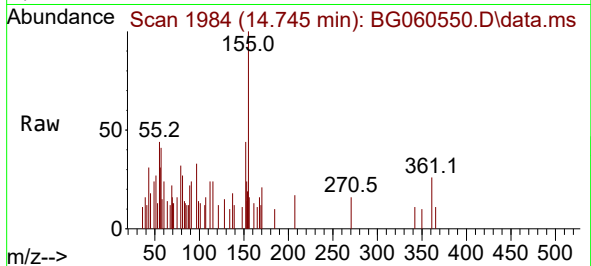




#54
2,4-Dinitrophenol
Concen: 8.597 ng
RT: 14.745 min Scan# 1972
Delta R.T. 0.070 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

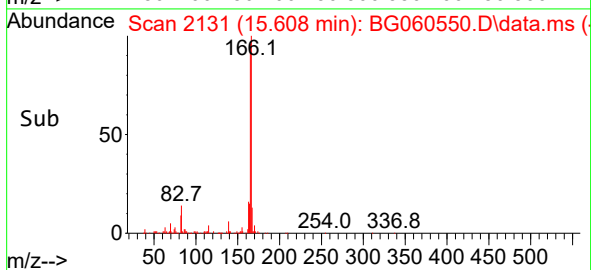
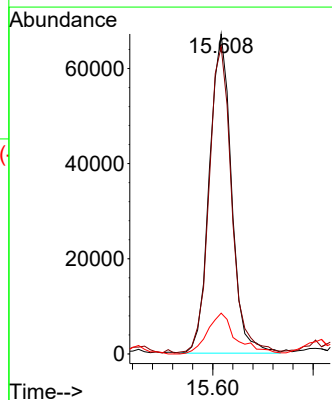
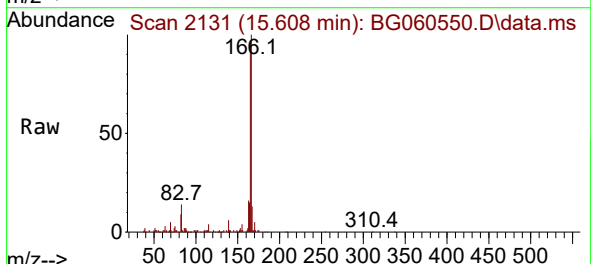
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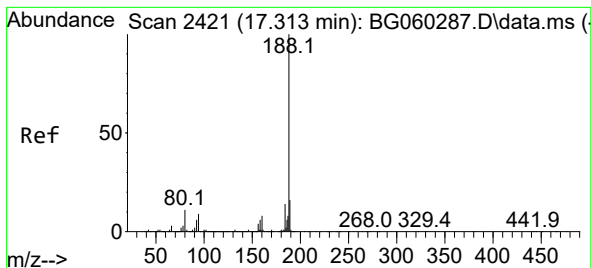
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 41.0 61.4#
154 184.3 39.2 58.8#



#58
Fluorene
Concen: 2.975 ng
RT: 15.608 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:166 Resp: 102731
Ion Ratio Lower Upper
166 100
165 96.0 79.0 118.6
167 12.8 11.4 17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

Instrument :

BNA_G

ClientSampleId :

TR-614-COMP-02

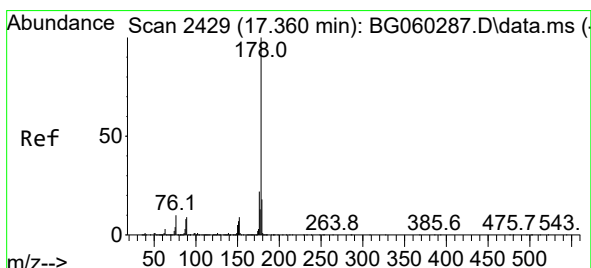
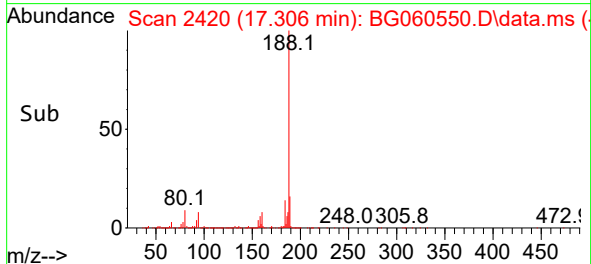
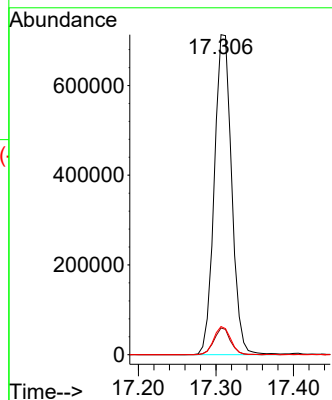
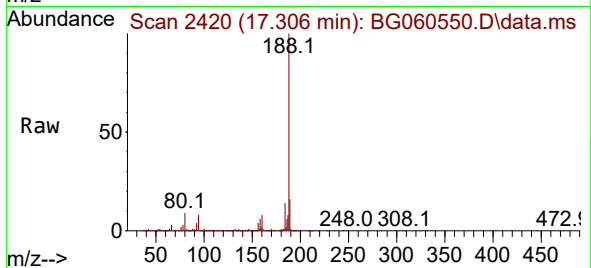
Tgt Ion:188 Resp: 1105853

Ion Ratio Lower Upper

188 100

94 8.4 7.1 10.7

80 8.8 8.5 12.7



#71

Phenanthrene

Concen: 27.699 ng

RT: 17.353 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

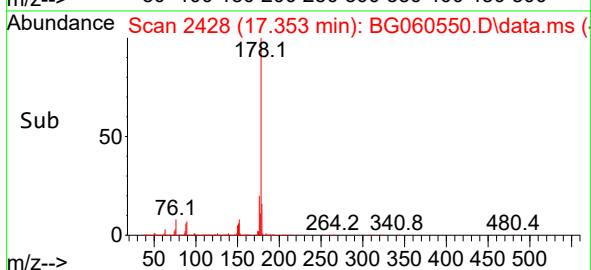
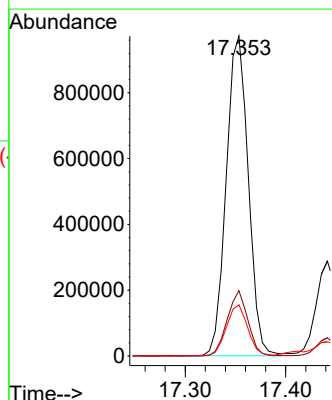
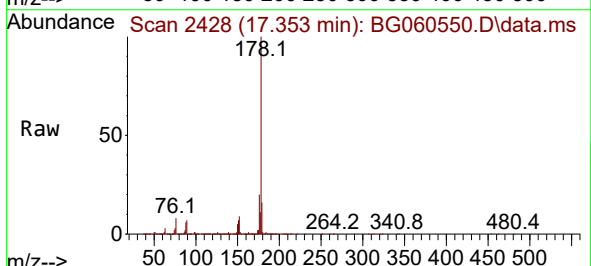
Tgt Ion:178 Resp: 1480583

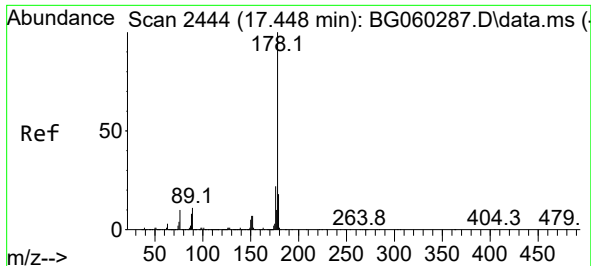
Ion Ratio Lower Upper

178 100

176 20.4 17.4 26.2

179 16.0 14.7 22.1

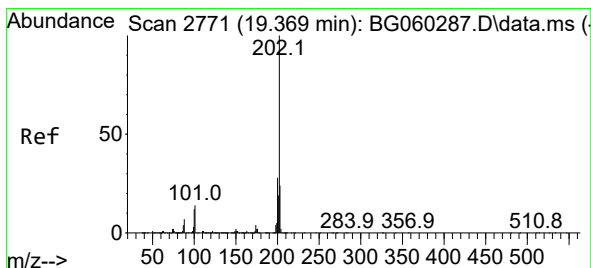
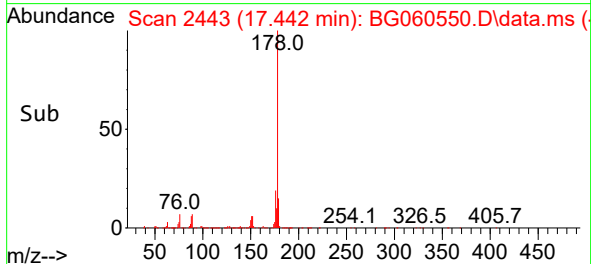
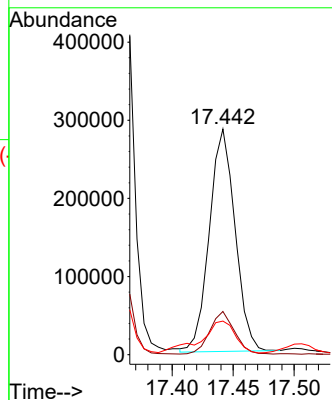
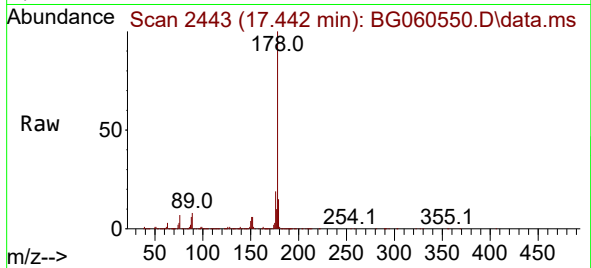




#72
 Anthracene
 Concen: 7.836 ng
 RT: 17.442 min Scan# 2444
 Delta R.T. -0.006 min
 Lab File: BG060550.D
 Acq: 2 Feb 2024 2:25

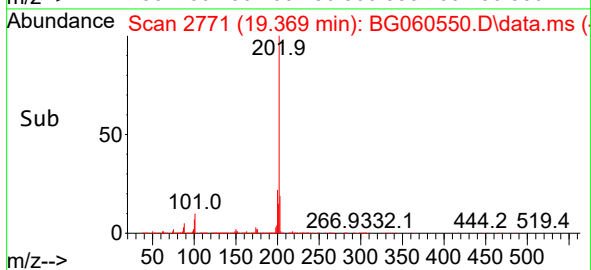
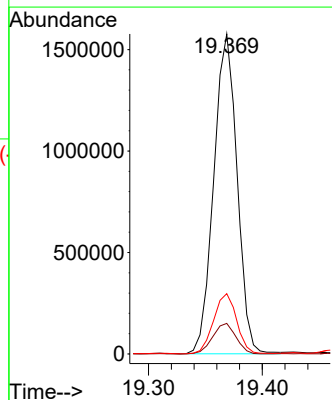
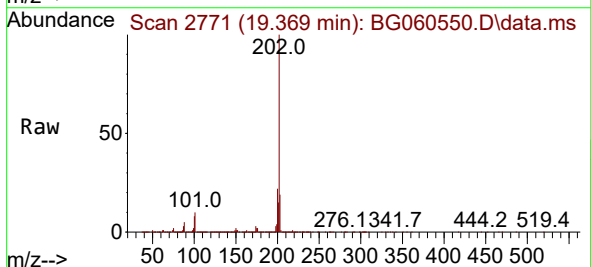
Instrument :
 BNA_G
 ClientSampleId :
 TR-614-COMP-02

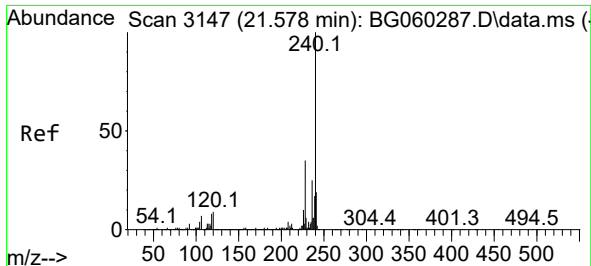
Tgt Ion:178 Resp: 418165
 Ion Ratio Lower Upper
 178 100
 176 19.2 17.8 26.6
 179 14.9 14.1 21.1



#75
 Fluoranthene
 Concen: 34.955 ng
 RT: 19.369 min Scan# 2771
 Delta R.T. -0.000 min
 Lab File: BG060550.D
 Acq: 2 Feb 2024 2:25

Tgt Ion:202 Resp: 2244164
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 34.4
 203 18.9 4.0 44.0

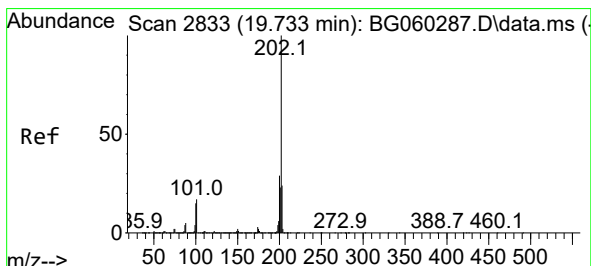
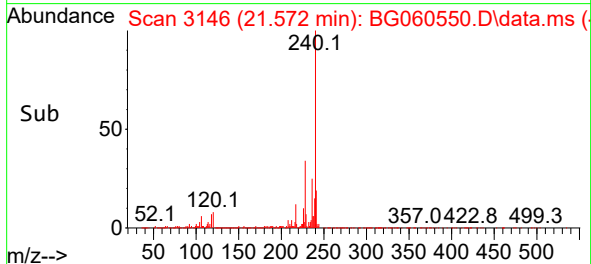
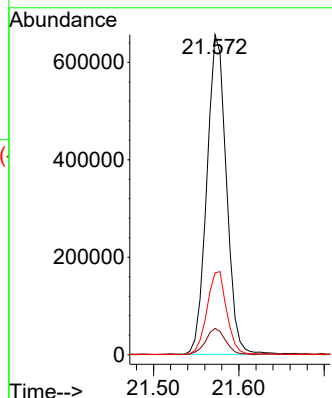
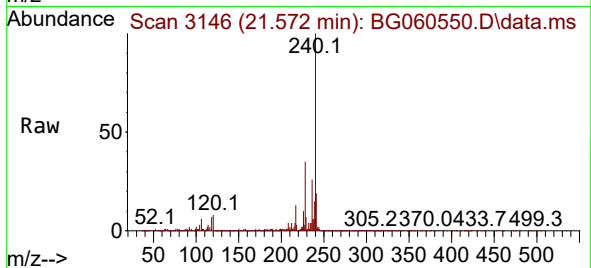




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

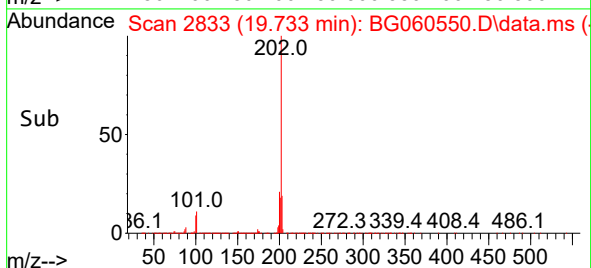
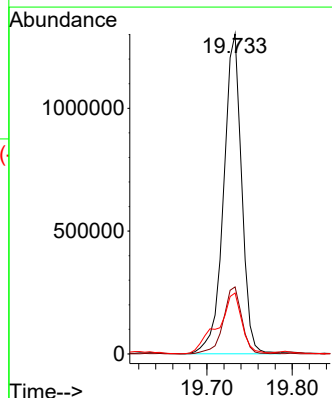
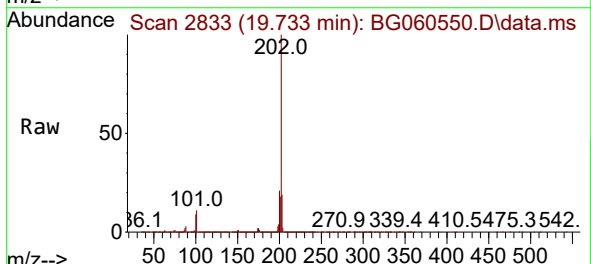
Instrument :
BNA_G
ClientSampleId :
TR-614-COMP-02

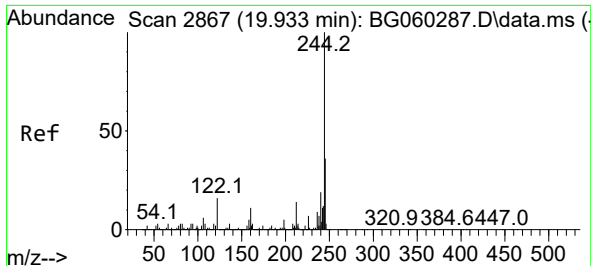
Tgt Ion:240 Resp: 1042359
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 25.6 20.3 30.5



#78
Pyrene
Concen: 28.708 ng
RT: 19.733 min Scan# 2833
Delta R.T. -0.000 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:202 Resp: 1910966
Ion Ratio Lower Upper
202 100
200 21.0 23.5 35.3#
203 19.1 19.6 29.4#





#79

Terphenyl-d14

Concen: 6.252 ng

RT: 19.927 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

Instrument :

BNA_G

ClientSampleId :

TR-614-COMP-02

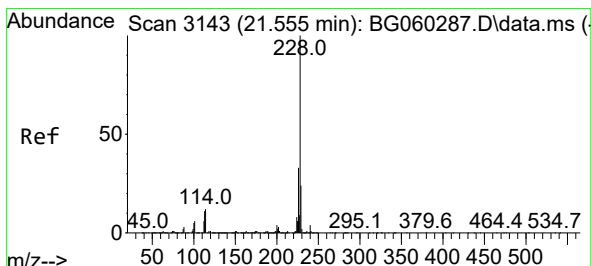
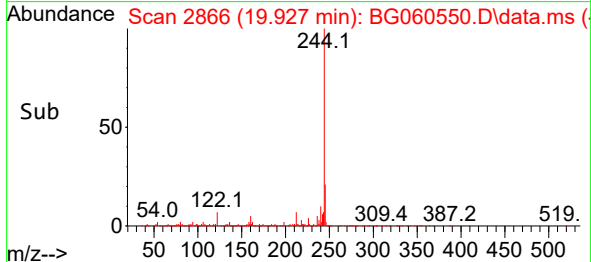
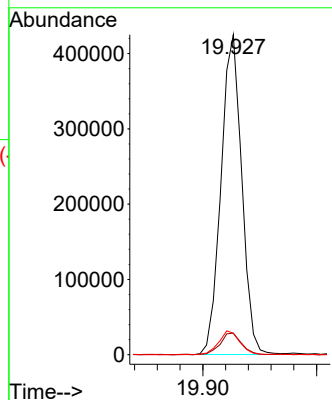
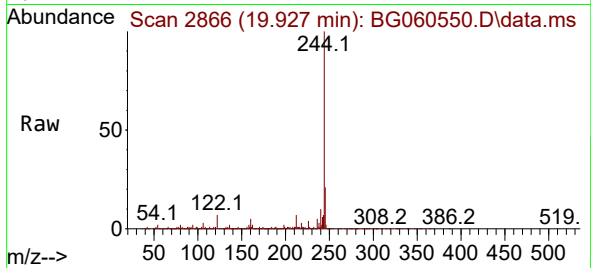
Tgt Ion:244 Resp: 538365

Ion Ratio Lower Upper

244 100

212 6.7 10.9 16.3#

122 6.7 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 21.138 ng

RT: 21.554 min Scan# 3143

Delta R.T. -0.000 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

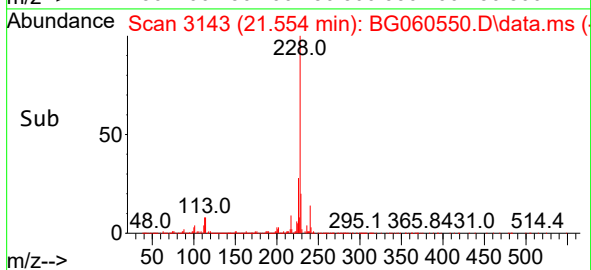
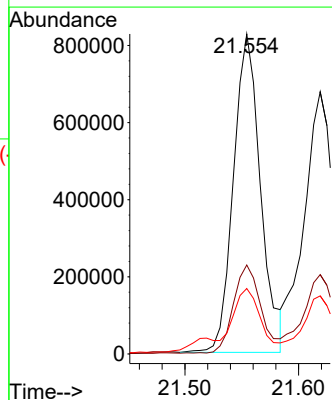
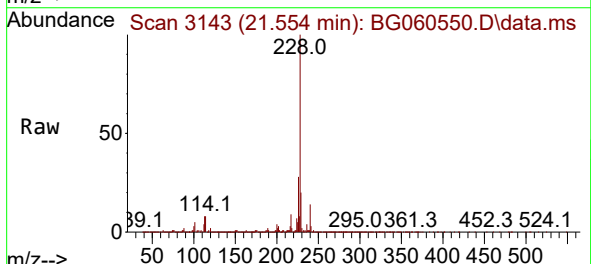
Tgt Ion:228 Resp: 1364022

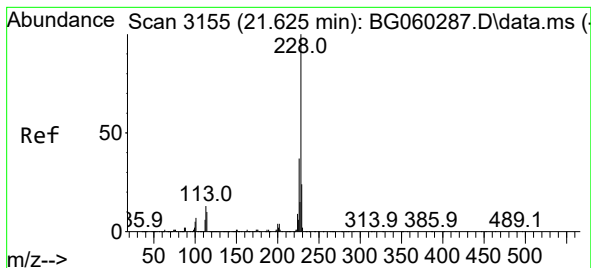
Ion Ratio Lower Upper

228 100

226 27.8 26.2 39.2

229 20.5 19.4 29.2





#83

Chrysene

Concen: 19.343 ng

RT: 21.619 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

Instrument :

BNA_G

ClientSampleId :

TR-614-COMP-02

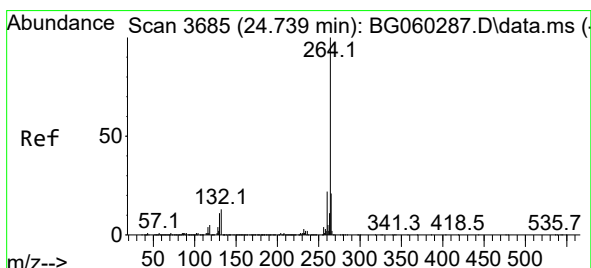
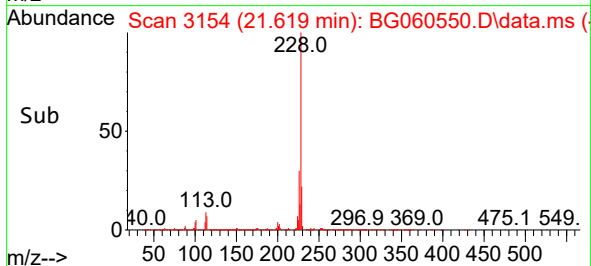
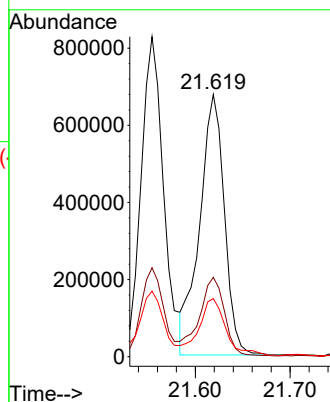
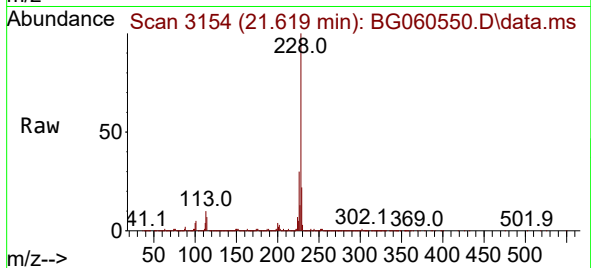
Tgt Ion:228 Resp: 1227642

Ion Ratio Lower Upper

228 100

226 30.2 29.4 44.2

229 22.1 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.739 min Scan# 3685

Delta R.T. -0.000 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

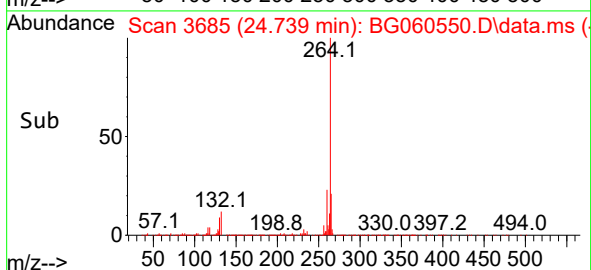
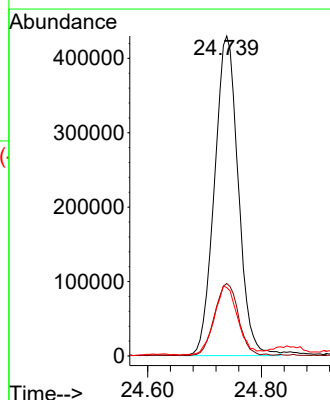
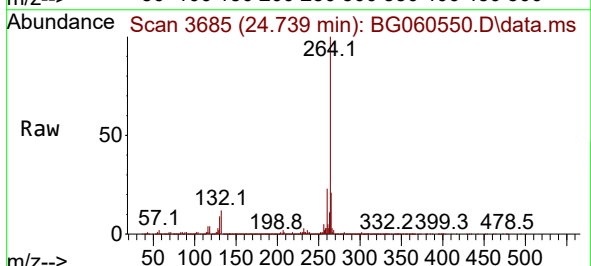
Tgt Ion:264 Resp: 1246931

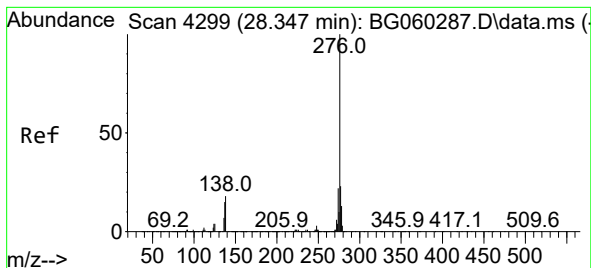
Ion Ratio Lower Upper

264 100

260 22.6 17.8 26.6

265 21.4 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.666 ng

RT: 28.341 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

Instrument :

BNA_G

ClientSampleId :

TR-614-COMP-02

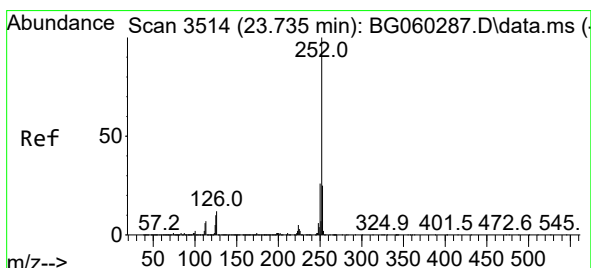
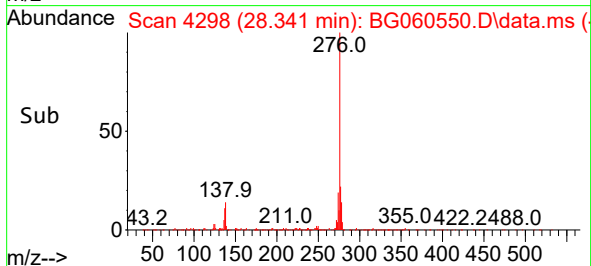
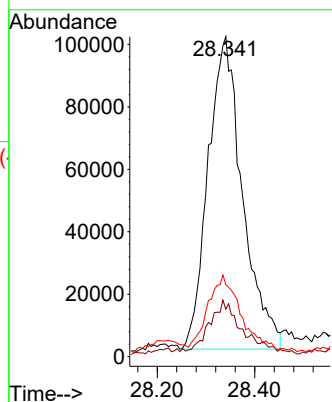
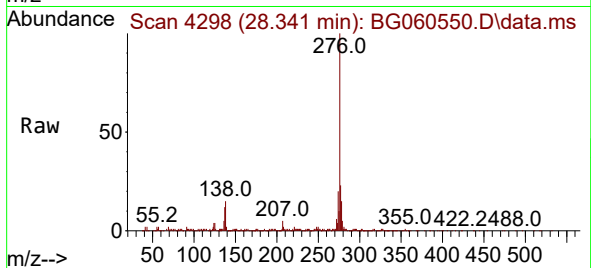
Tgt Ion:276 Resp: 491227

Ion Ratio Lower Upper

276 100

138 17.2 12.5 18.7

277 23.1 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 19.486 ng

RT: 23.734 min Scan# 3514

Delta R.T. -0.000 min

Lab File: BG060550.D

Acq: 2 Feb 2024 2:25

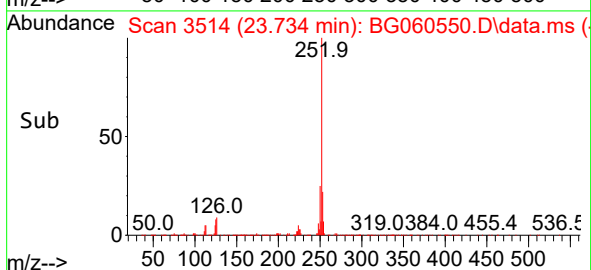
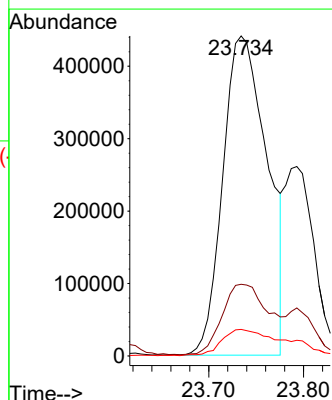
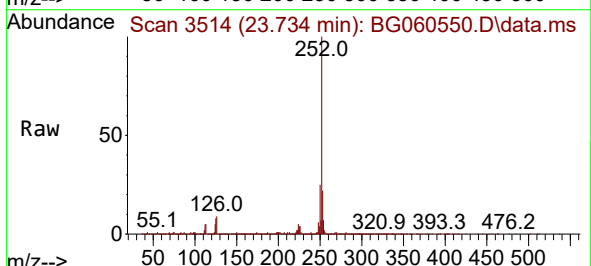
Tgt Ion:252 Resp: 1435425

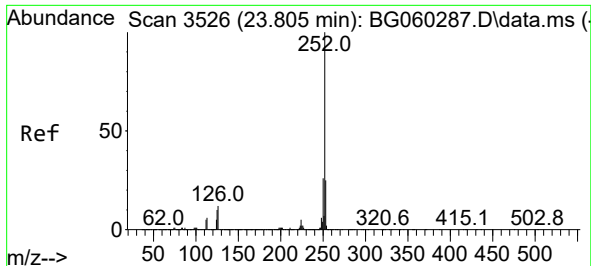
Ion Ratio Lower Upper

252 100

253 22.4 20.0 30.0

125 8.3 8.1 12.1

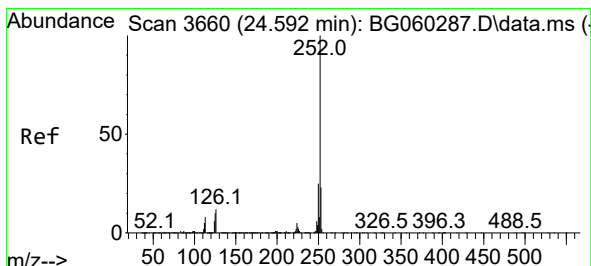
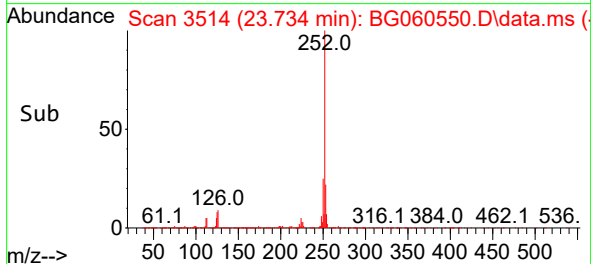
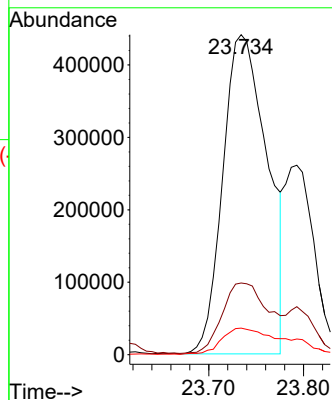
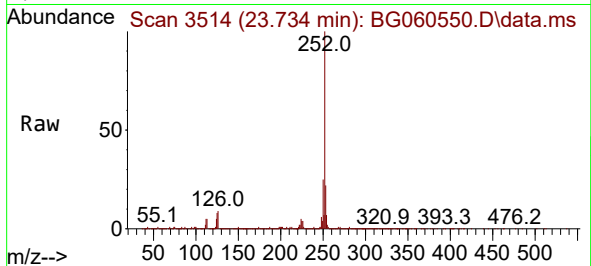




#89
Benzo(k)fluoranthene
Concen: 19.747 ng
RT: 23.734 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

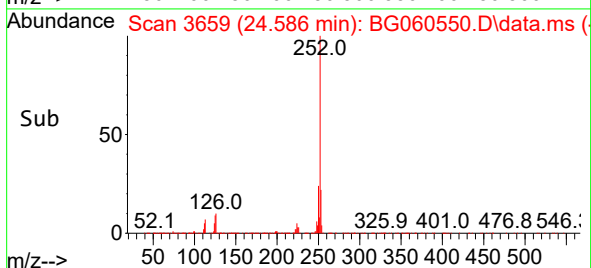
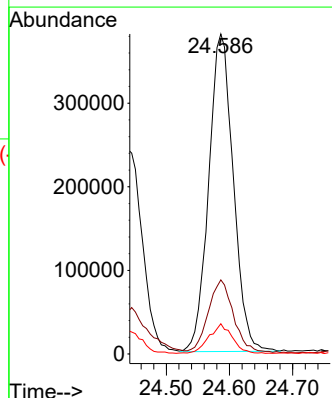
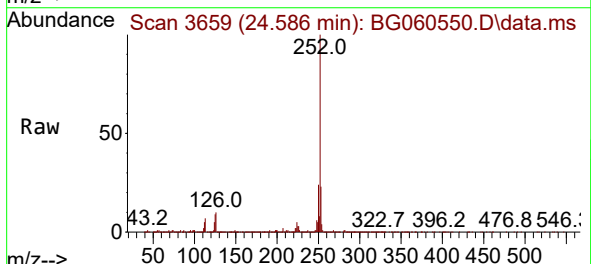
Instrument :
BNA_G
ClientSampleId :
TR-614-COMP-02

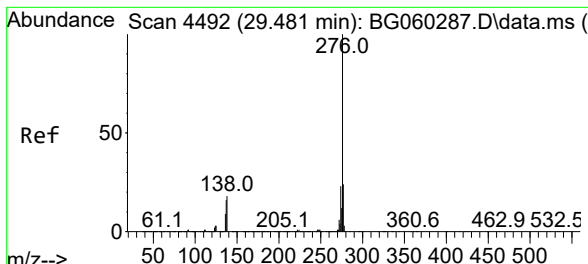
Tgt Ion:252 Resp: 1435425
Ion Ratio Lower Upper
252 100
253 22.4 19.6 29.4
125 8.3 8.2 12.2



#90
Benzo(a)pyrene
Concen: 15.429 ng
RT: 24.586 min Scan# 3659
Delta R.T. -0.006 min
Lab File: BG060550.D
Acq: 2 Feb 2024 2:25

Tgt Ion:252 Resp: 1026732
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 9.5 8.1 12.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.754 ng
 RT: 29.469 min Scan# 4490
 Delta R.T. -0.012 min
 Lab File: BG060550.D
 Acq: 2 Feb 2024 2:25

Instrument : BNA_G
 ClientSampleId : TR-614-COMP-02

Tgt Ion: 276 Resp: 490114

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	16.7	14.2	21.4

