

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054827.D
 Acq On : 1 Sep 2022 18:20
 Operator : CG/JU
 Sample : N4439-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KTS2-TR-03-0-5

Quant Time: Sep 02 02:55:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

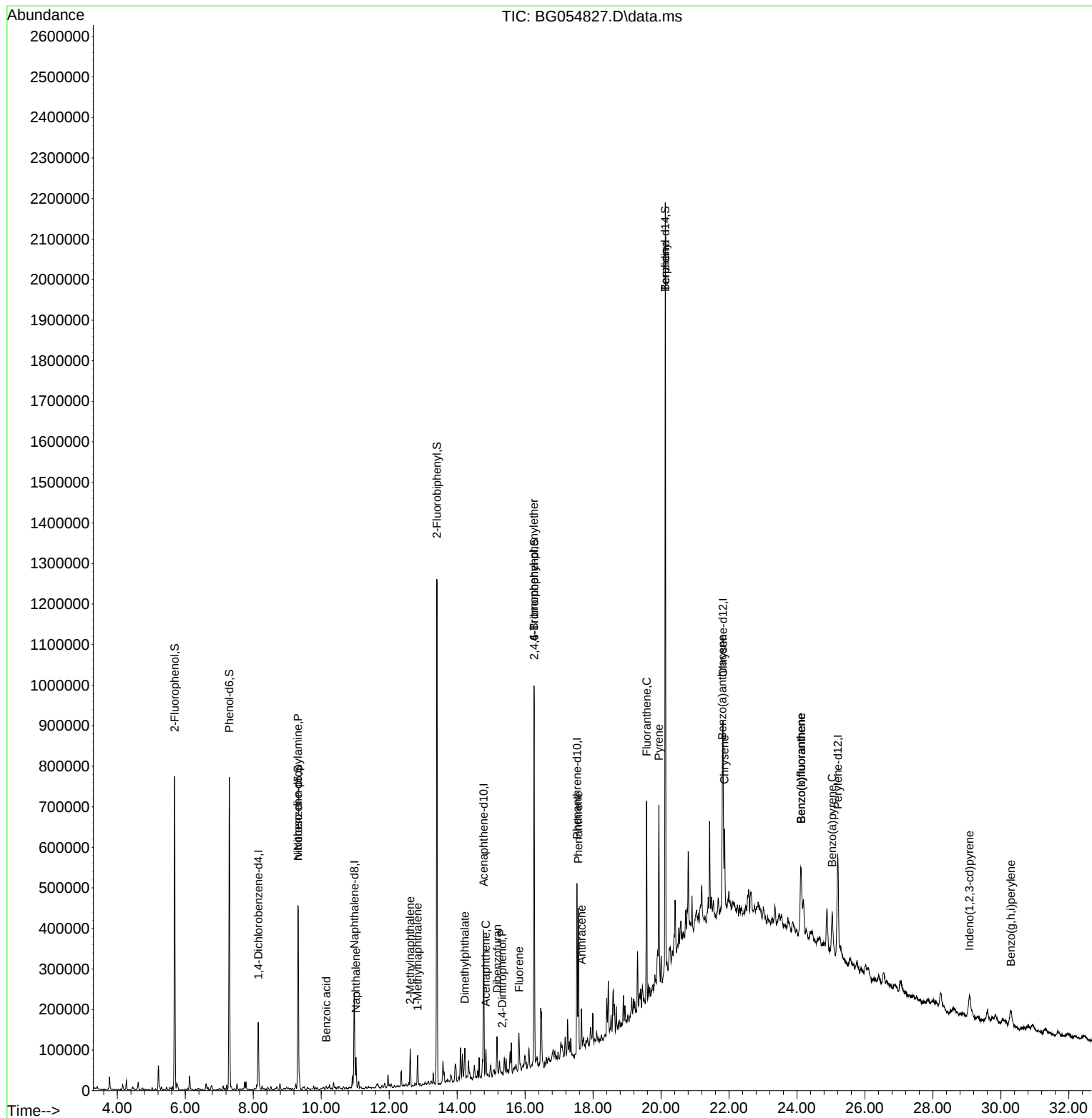
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	52220	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	211905	20.000	ng	0.00
39) Acenaphthene-d10	14.783	164	133637	20.000	ng	0.00
64) Phenanthrene-d10	17.527	188	273197	20.000	ng	0.00
76) Chrysene-d12	21.822	240	249908	20.000	ng	0.00
86) Perylene-d12	25.200	264	267394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	358885	119.676	ng	0.00
7) Phenol-d6	7.297	99	482837	117.733	ng	0.00
23) Nitrobenzene-d5	9.319	82	293360	72.676	ng	-0.01
42) 2,4,6-Tribromophenol	16.269	330	196581	117.722	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	685185	77.063	ng	0.00
79) Terphenyl-d14	20.124	244	966692	76.644	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.319	70	38731	13.733	ng	# 78
31) Naphthalene	11.022	128	64019	5.631	ng	98
32) Benzoic acid	10.153	122	55	7.826	ng	# 1
37) 2-Methylnaphthalene	12.621	142	47076	5.908	ng	98
38) 1-Methylnaphthalene	12.838	142	37259	4.806	ng	95
50) Dimethylphthalate	14.225	163	38954	3.784	ng	99
52) Acenaphthene	14.841	154	21424	2.682	ng	94
54) 2,4-Dinitrophenol	15.329	184	738	7.269	ng	# 60
55) Dibenzofuran	15.176	168	48642	4.144	ng	98
58) Fluorene	15.823	166	31729	3.208	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	12768	4.257	ng	# 1
71) Phenanthrene	17.568	178	220938	15.181	ng	99
72) Anthracene	17.662	178	75413	5.330	ng	99
75) Fluoranthene	19.577	202	315798	17.837	ng	98
77) Benzidine	20.124	184	14960	2.417	ng	# 89
78) Pyrene	19.936	202	280270	16.084	ng	99
81) Benzo(a)anthracene	21.804	228	142267	8.396	ng	96
83) Chrysene	21.869	228	170585	10.529	ng	97
87) Indeno(1,2,3-cd)pyrene	29.072	276	94677	4.664	ng	# 93
88) Benzo(b)fluoranthene	24.119	252	212939	12.695	ng	# 95
89) Benzo(k)fluoranthene	24.119	252	212939	12.614	ng	# 95
90) Benzo(a)pyrene	25.035	252	115427	8.054	ng	# 93
92) Benzo(g,h,i)perylene	30.300	276	91271	5.463	ng	97

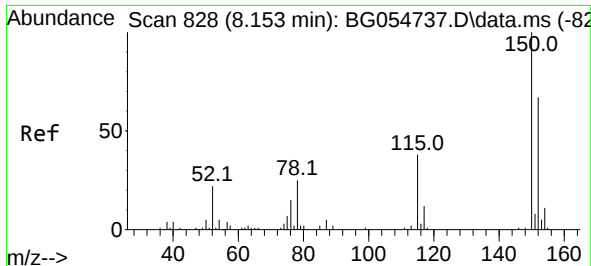
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG054827.D
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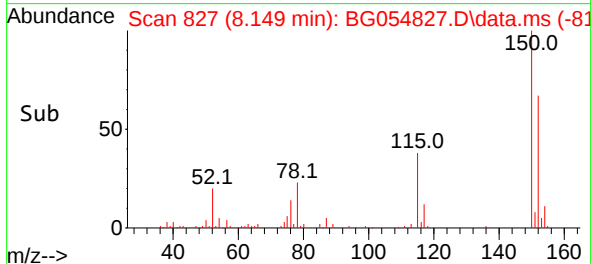
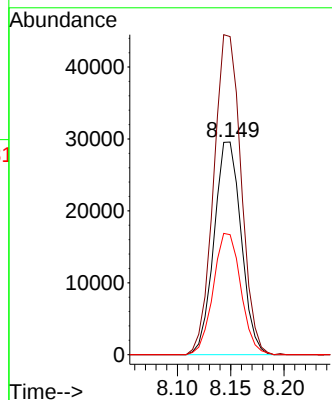
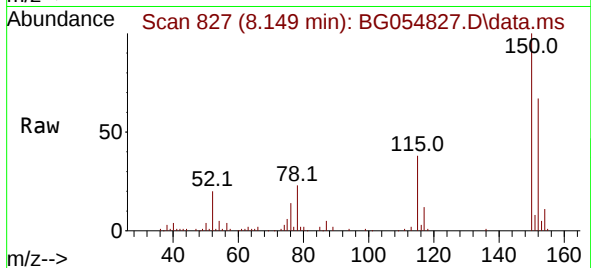




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

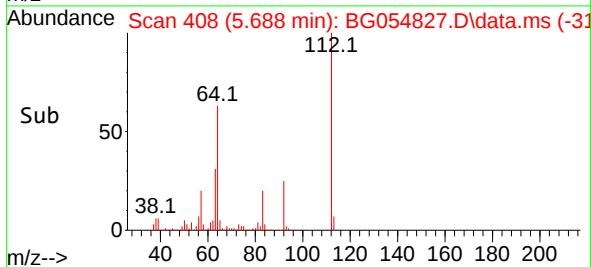
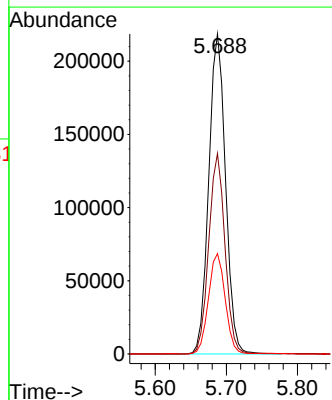
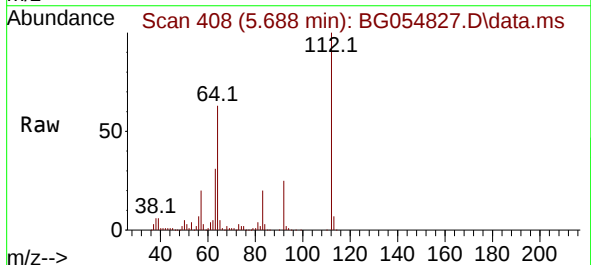
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

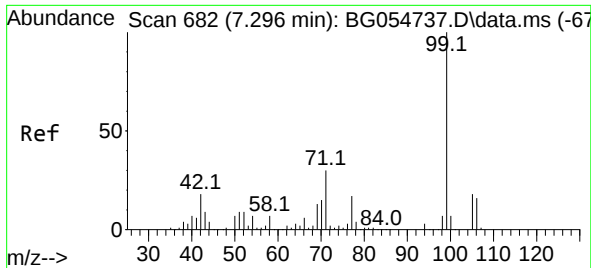
Tgt Ion:152 Resp: 52220
Ion Ratio Lower Upper
152 100
150 149.6 125.2 187.8
115 56.5 47.9 71.9



#5
2-Fluorophenol
Concen: 119.676 ng
RT: 5.688 min Scan# 408
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:112 Resp: 358885
Ion Ratio Lower Upper
112 100
64 62.6 49.3 73.9
63 31.4 26.3 39.5

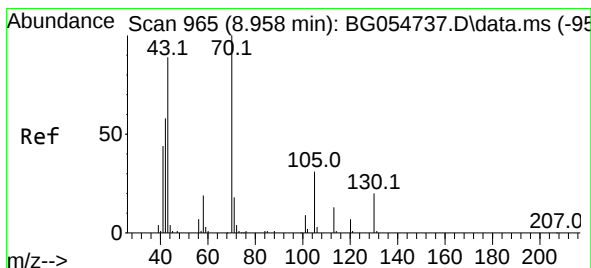
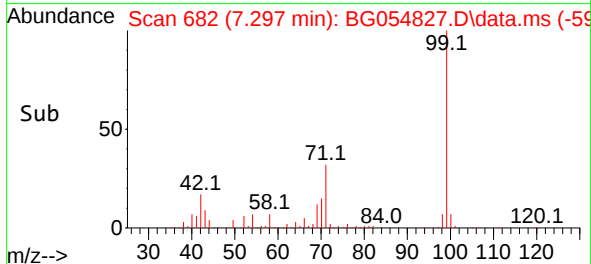
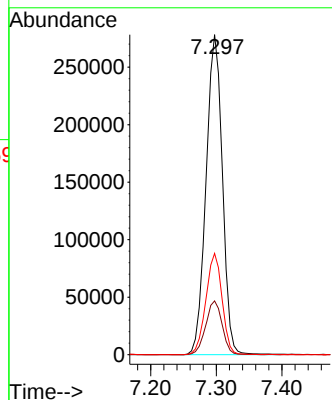
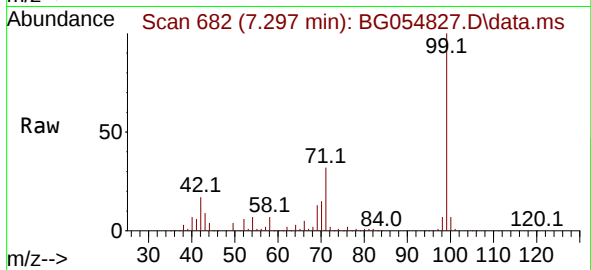




#7
Phenol-d6
Concen: 117.733 ng
RT: 7.297 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

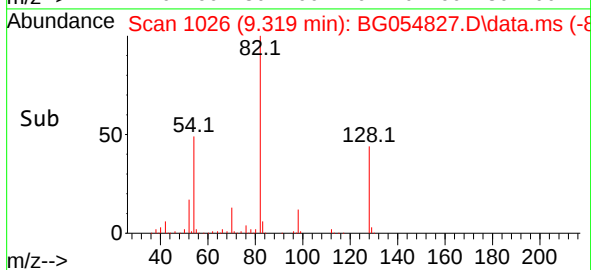
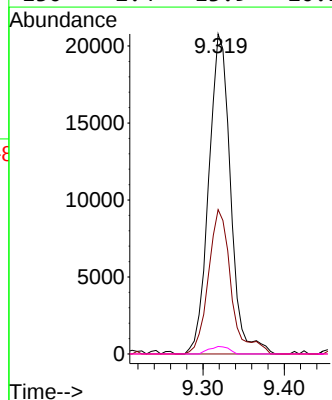
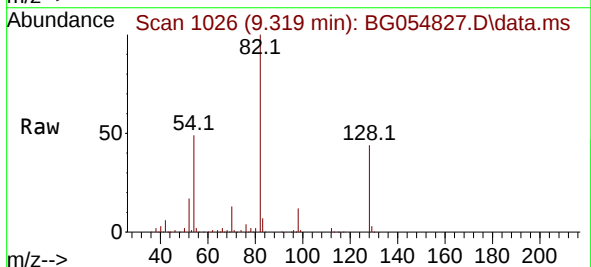
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

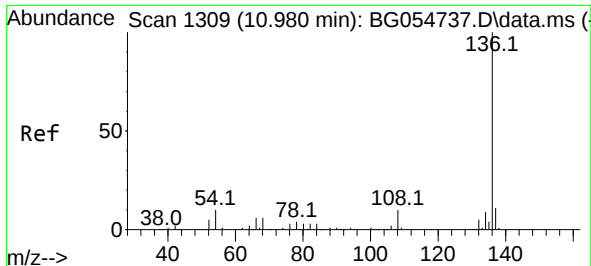
Tgt Ion: 99 Resp: 482837
Ion Ratio Lower Upper
99 100
42 16.8 14.6 22.0
71 31.6 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.733 ng
RT: 9.319 min Scan# 1026
Delta R.T. 0.360 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion: 70 Resp: 38731
Ion Ratio Lower Upper
70 100
42 45.1 46.6 69.8#
101 0.0 7.7 11.5#
130 2.4 13.9 20.9#

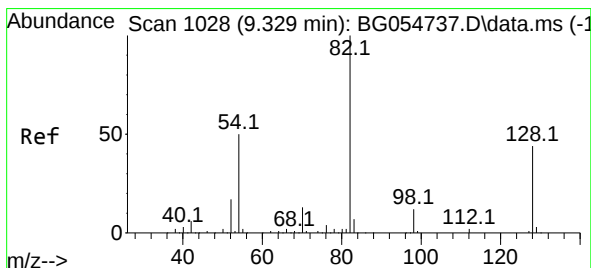
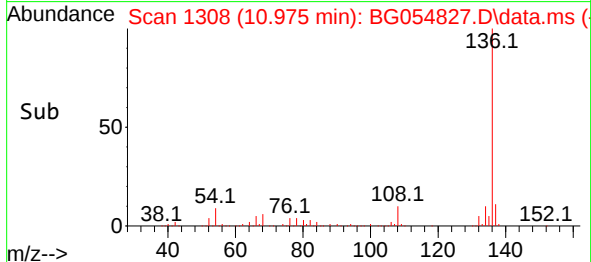
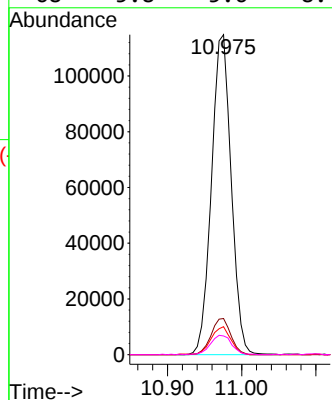
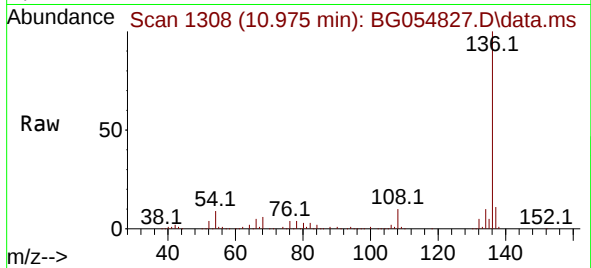




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

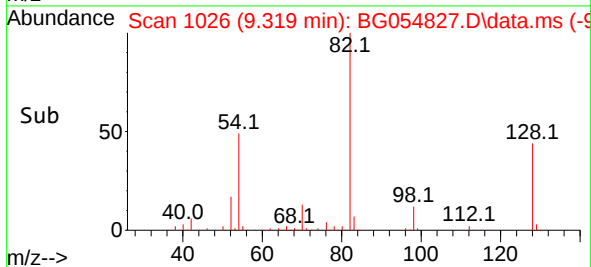
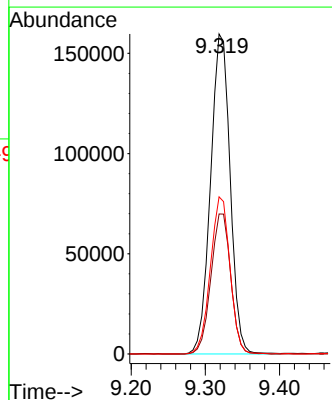
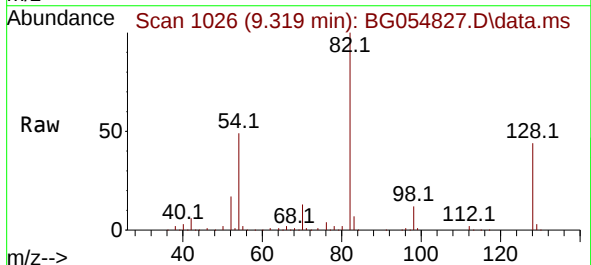
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

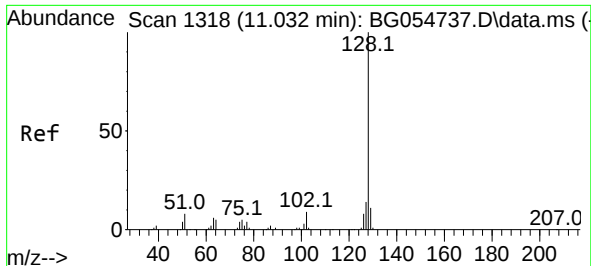
Tgt Ion:136 Resp: 211905
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.7 7.7 11.5
68 5.8 5.6 8.4



#23
Nitrobenzene-d5
Concen: 72.676 ng
RT: 9.319 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion: 82 Resp: 293360
Ion Ratio Lower Upper
82 100
128 43.8 32.2 48.2
54 49.1 41.4 62.0

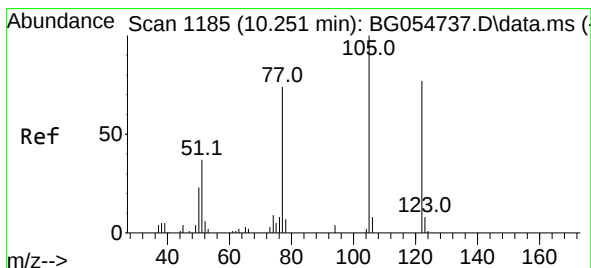
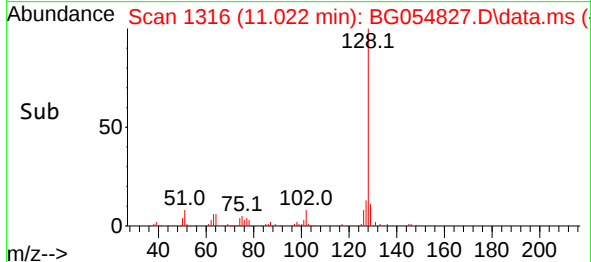
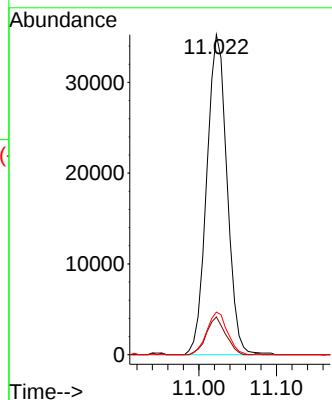
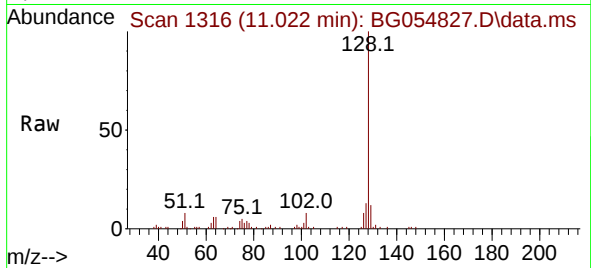




#31
Naphthalene
Concen: 5.631 ng
RT: 11.022 min Scan# 1116
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

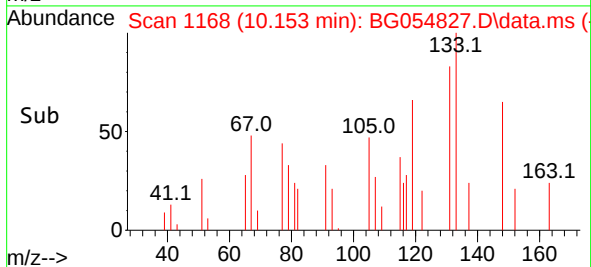
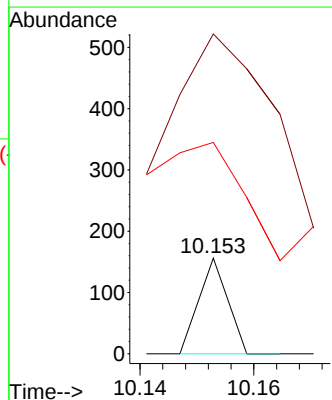
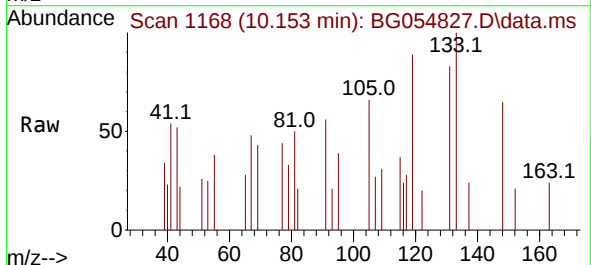
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

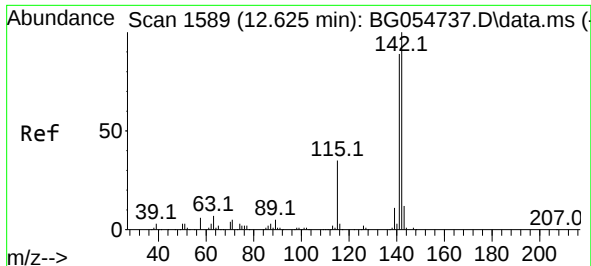
Tgt Ion:128 Resp: 64019
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 13.3 11.1 16.7



#32
Benzoic acid
Concen: 7.826 ng
RT: 10.153 min Scan# 1168
Delta R.T. -0.098 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 334.6 101.5 141.5#
77 221.2 69.3 109.3#

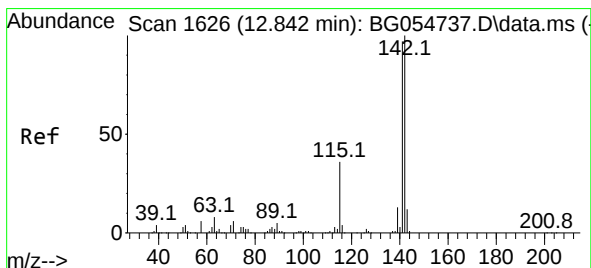
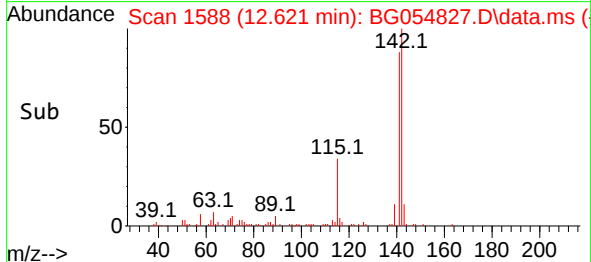
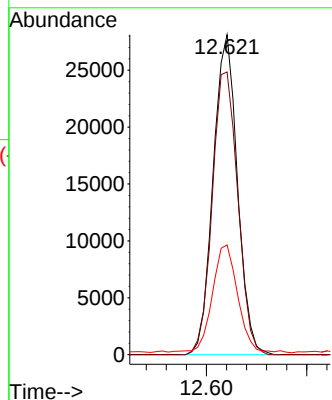
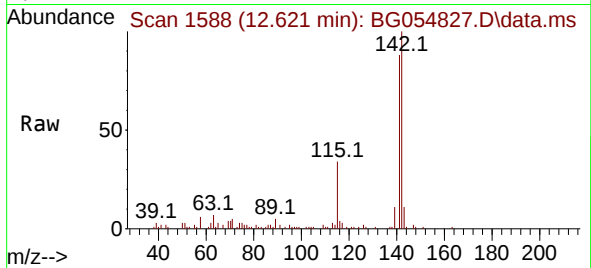




#37
2-Methylnaphthalene
Concen: 5.908 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

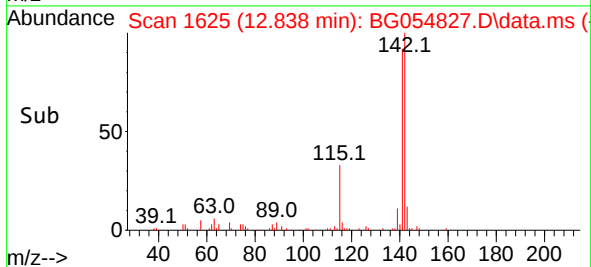
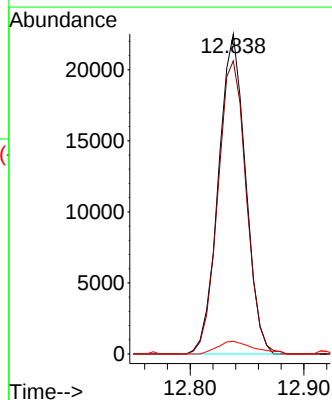
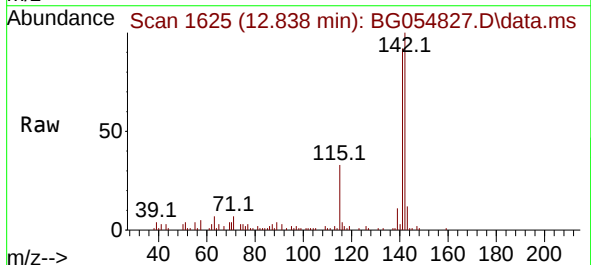
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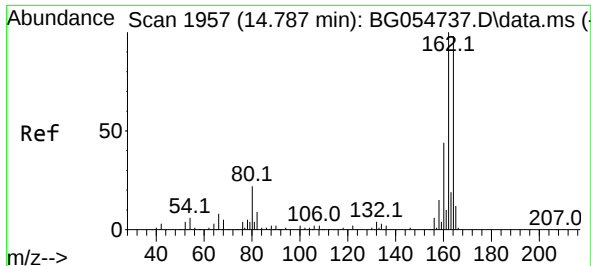
Tgt Ion:142 Resp: 47076
Ion Ratio Lower Upper
142 100
141 88.3 73.0 109.4
115 34.3 27.3 40.9



#38
1-Methylnaphthalene
Concen: 4.806 ng
RT: 12.838 min Scan# 1625
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:142 Resp: 37259
Ion Ratio Lower Upper
142 100
141 91.6 77.4 116.0
116 4.0 3.0 4.4

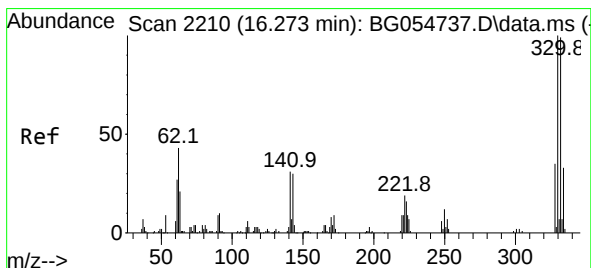
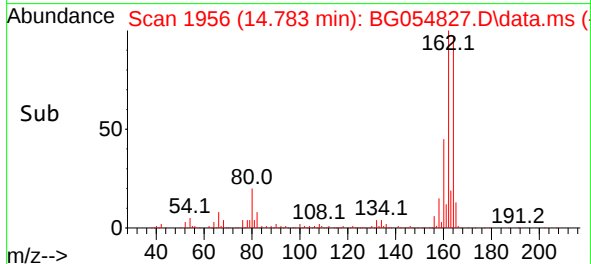
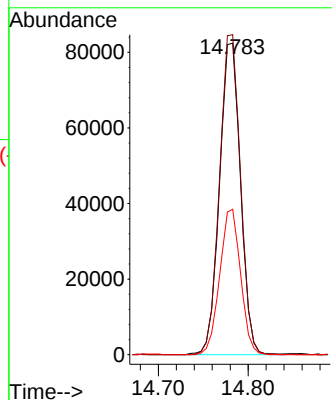
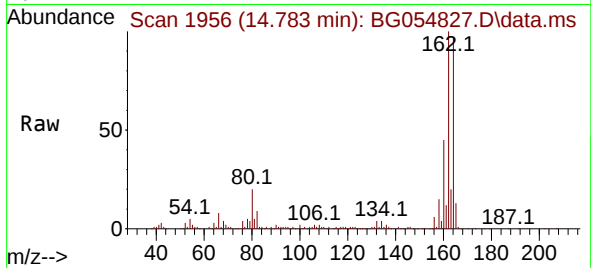




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.783 min Scan# 1956
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

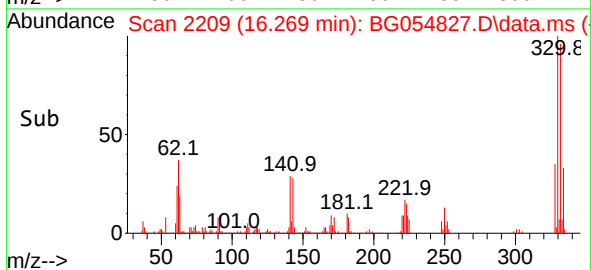
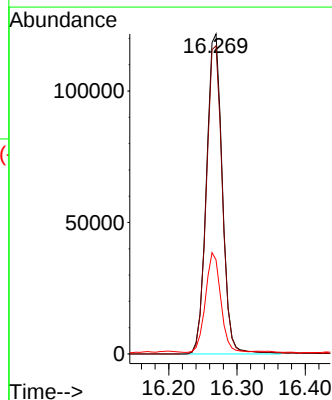
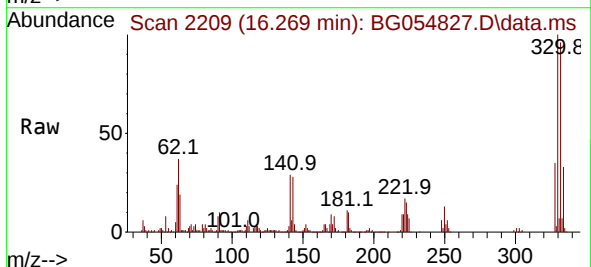
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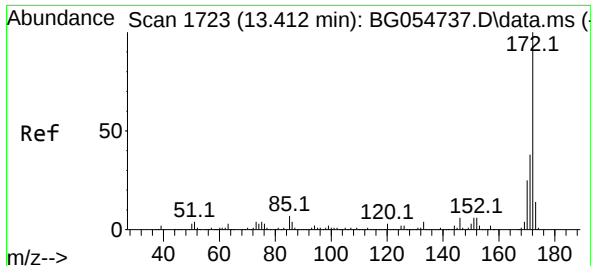
Tgt Ion:164 Resp: 133637
Ion Ratio Lower Upper
164 100
162 102.7 83.0 124.4
160 46.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 117.722 ng
RT: 16.269 min Scan# 2209
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:330 Resp: 196581
Ion Ratio Lower Upper
330 100
332 97.3 79.8 119.6
141 30.1 26.8 40.2

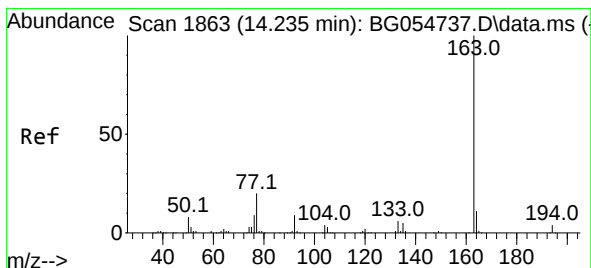
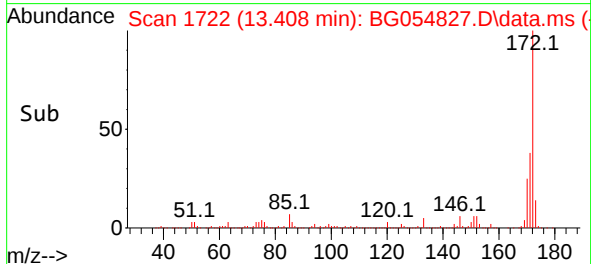
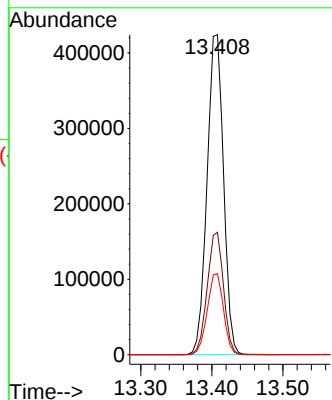
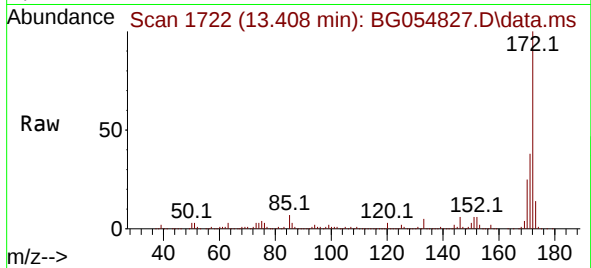




#45
2-Fluorobiphenyl
Concen: 77.063 ng
RT: 13.408 min Scan# 1722
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

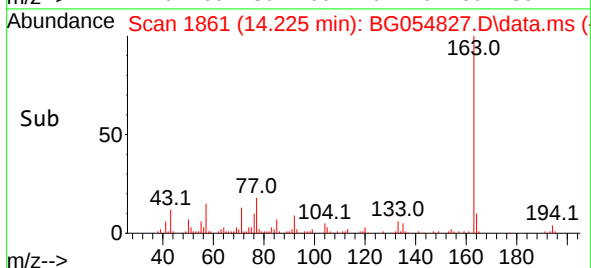
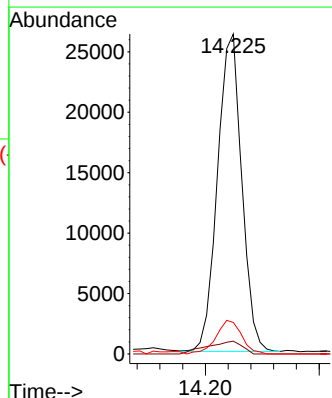
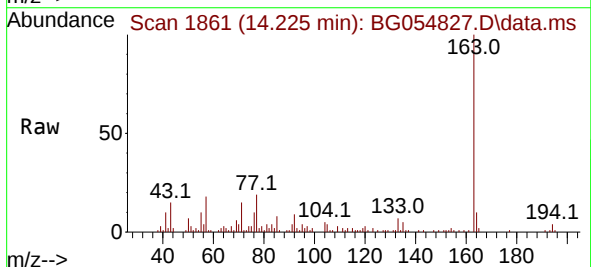
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

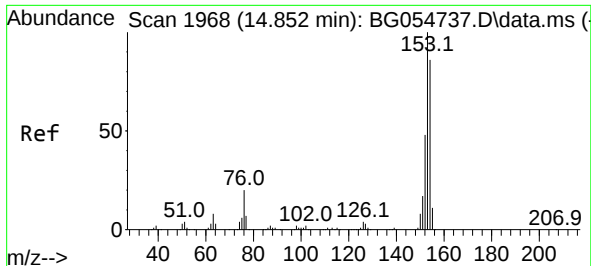
Tgt Ion:172 Resp: 685185
Ion Ratio Lower Upper
172 100
171 38.3 31.2 46.8
170 25.3 20.6 30.8



#50
Dimethylphthalate
Concen: 3.784 ng
RT: 14.225 min Scan# 1861
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:163 Resp: 38954
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.9 8.0 12.0

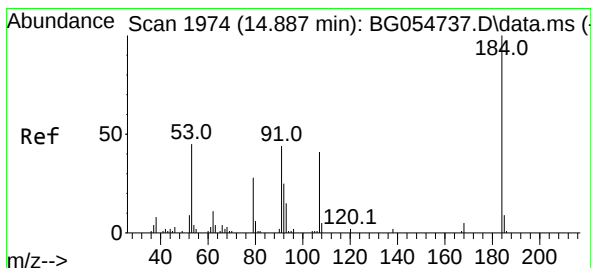
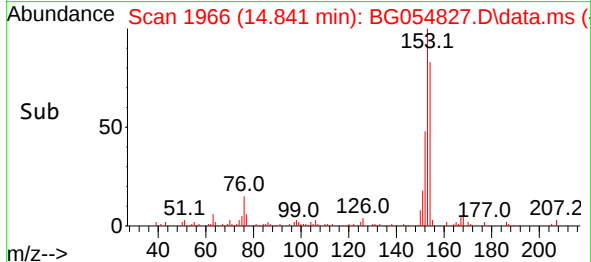
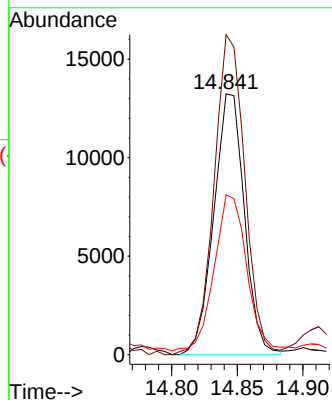
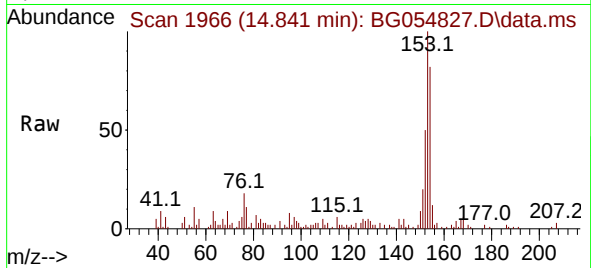




#52
Acenaphthene
Concen: 2.682 ng
RT: 14.841 min Scan# 1966
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

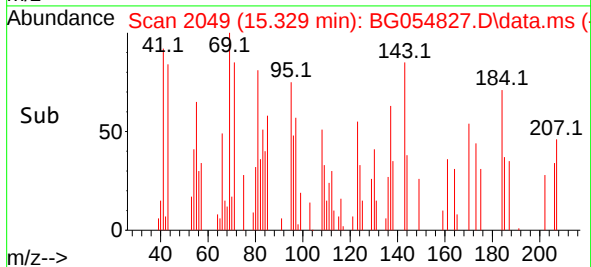
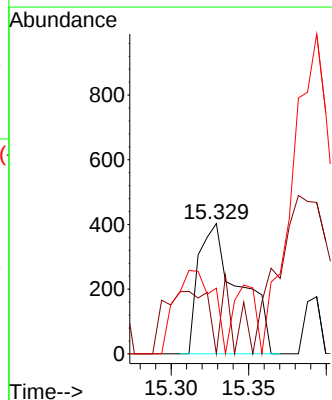
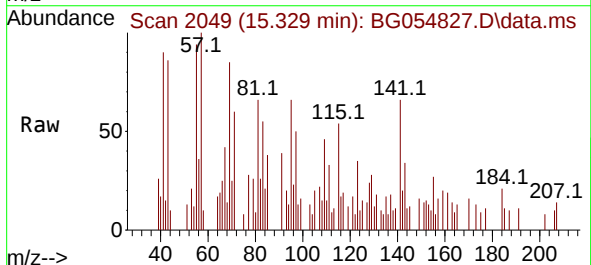
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

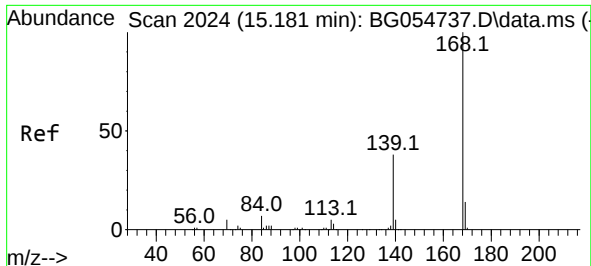
Tgt Ion:154 Resp: 21424
Ion Ratio Lower Upper
154 100
153 122.6 92.8 139.2
152 61.2 45.4 68.2



#54
2,4-Dinitrophenol
Concen: 7.269 ng
RT: 15.329 min Scan# 2049
Delta R.T. 0.442 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:184 Resp: 738
Ion Ratio Lower Upper
184 100
63 0.0 41.8 62.8#
154 50.4 45.2 67.8

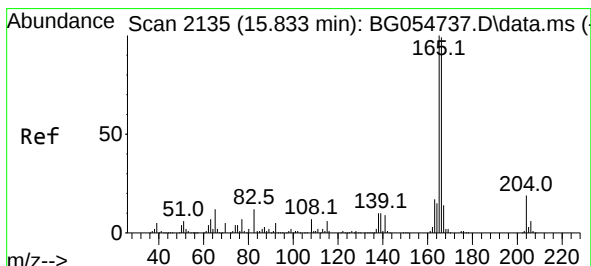
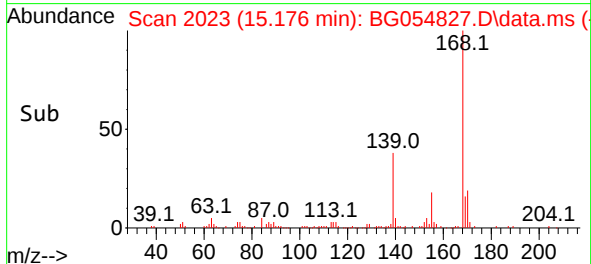
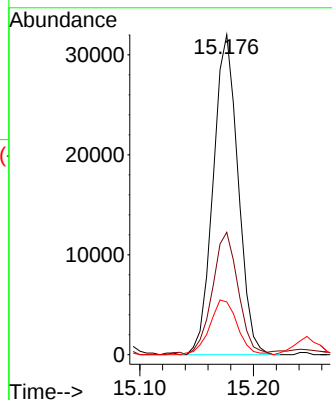
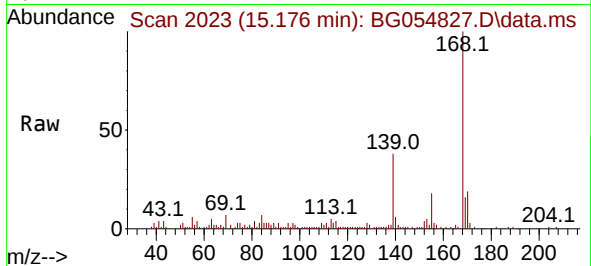




#55
Dibenzenofuran
Concen: 4.144 ng
RT: 15.176 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

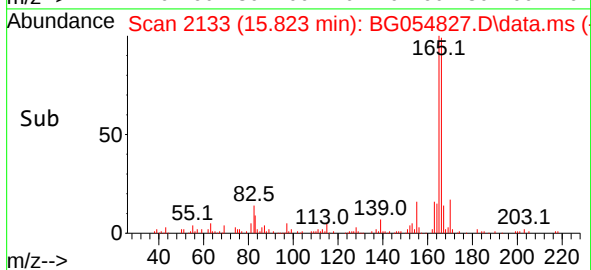
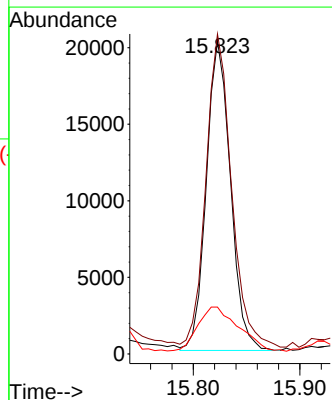
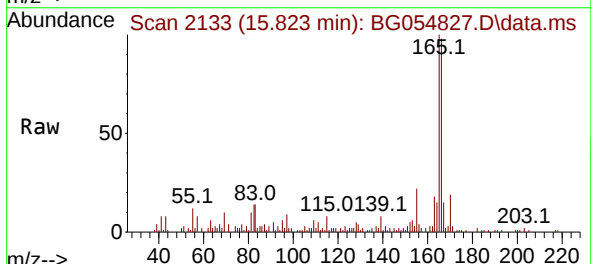
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

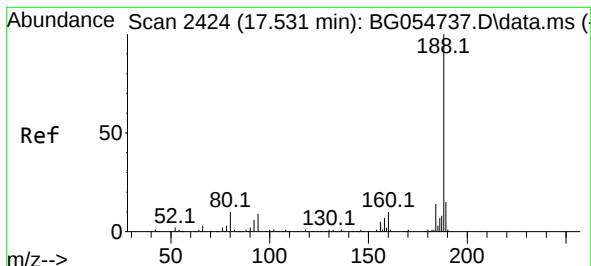
Tgt Ion:168 Resp: 48642
Ion Ratio Lower Upper
168 100
139 38.3 30.2 45.2
169 16.5 11.3 16.9



#58
Fluorene
Concen: 3.208 ng
RT: 15.823 min Scan# 2133
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:166 Resp: 31729
Ion Ratio Lower Upper
166 100
165 102.3 80.8 121.2
167 15.0 11.4 17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.527 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

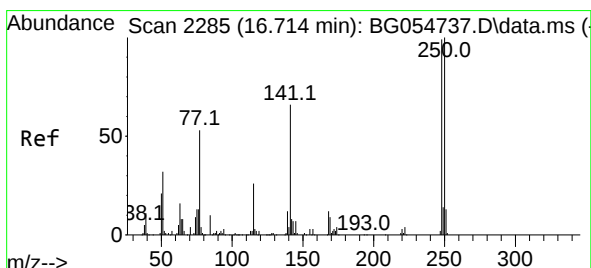
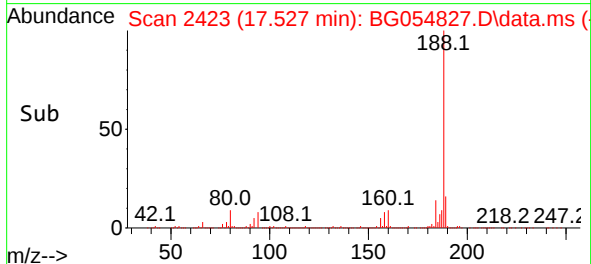
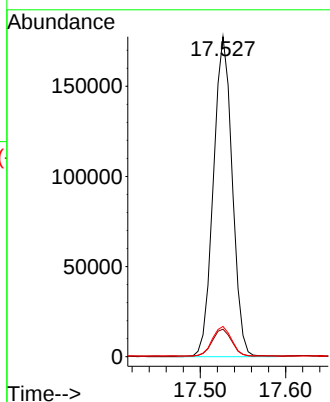
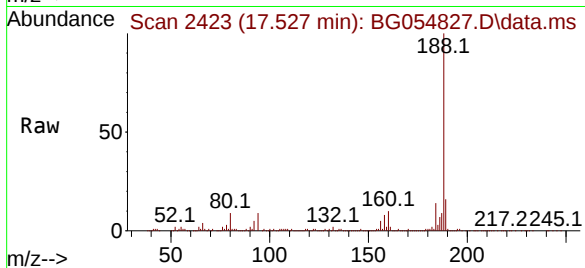
Tgt Ion:188 Resp: 273197

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 9.5 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.257 ng

RT: 16.263 min Scan# 2208

Delta R.T. -0.451 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

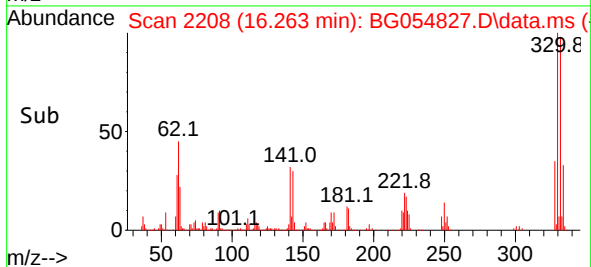
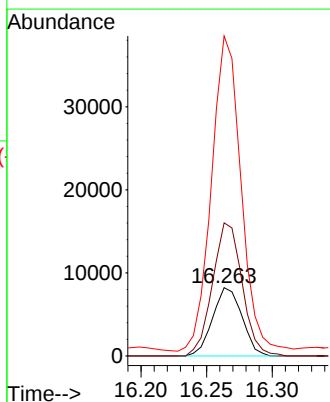
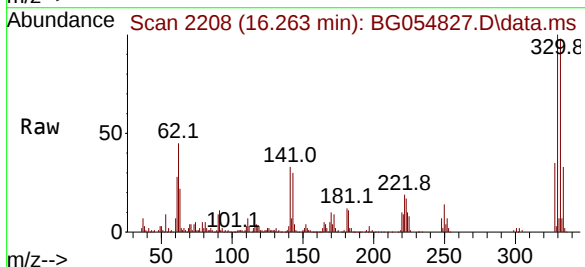
Tgt Ion:248 Resp: 12768

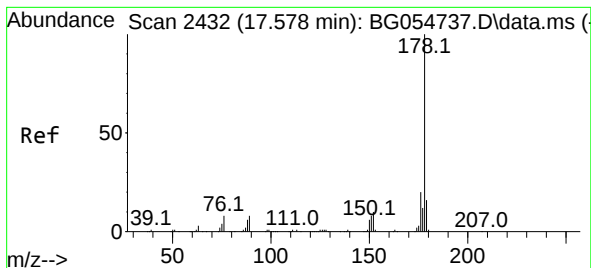
Ion Ratio Lower Upper

248 100

250 194.8 78.8 118.2#

141 468.1 51.9 77.9#





#71

Phenanthrene

Concen: 15.181 ng

RT: 17.568 min Scan# 2432

Delta R.T. -0.010 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

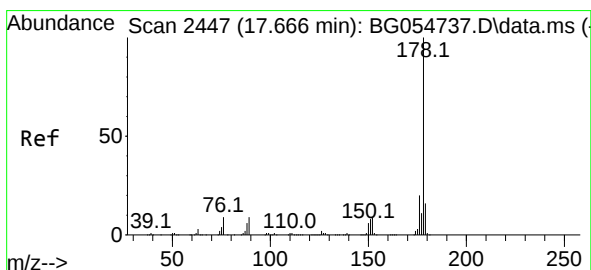
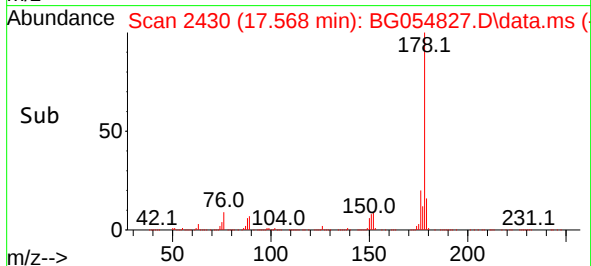
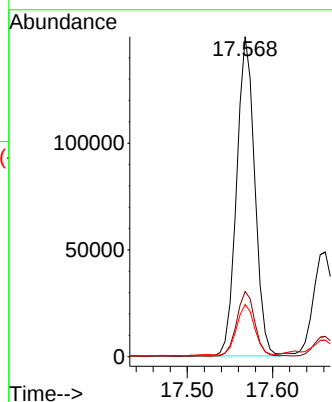
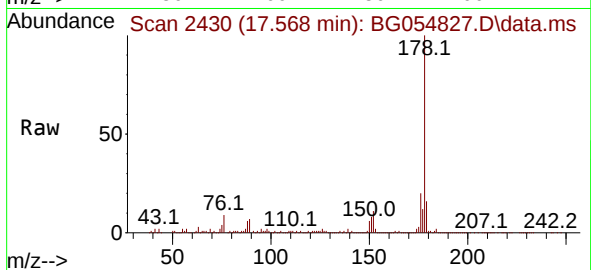
Tgt Ion:178 Resp: 220938

Ion Ratio Lower Upper

178 100

176 20.3 16.6 25.0

179 16.3 12.8 19.2



#72

Anthracene

Concen: 5.330 ng

RT: 17.662 min Scan# 2446

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

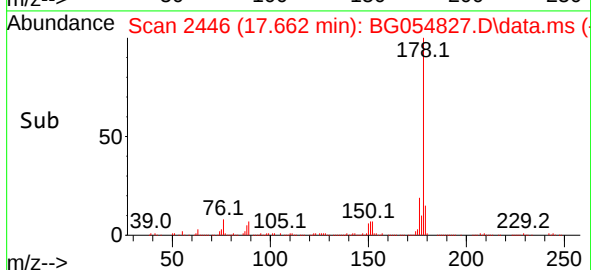
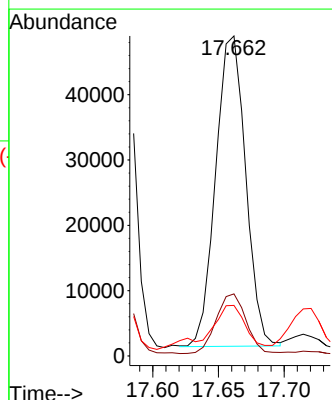
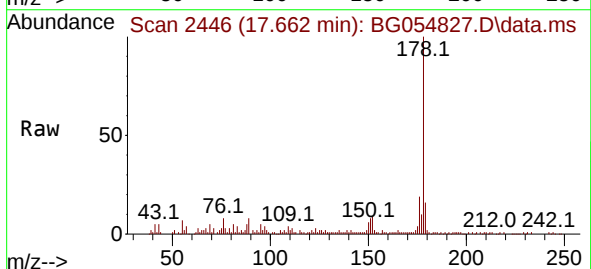
Tgt Ion:178 Resp: 75413

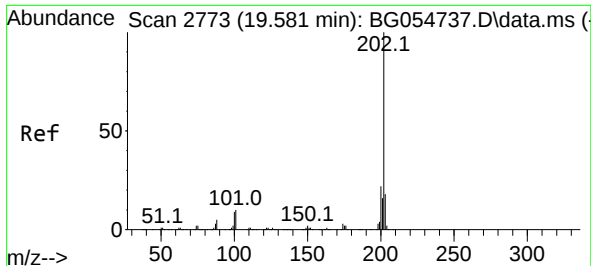
Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

179 15.8 12.9 19.3

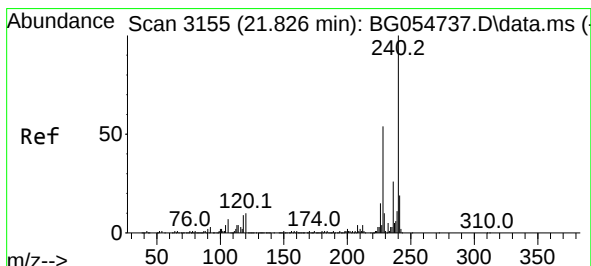
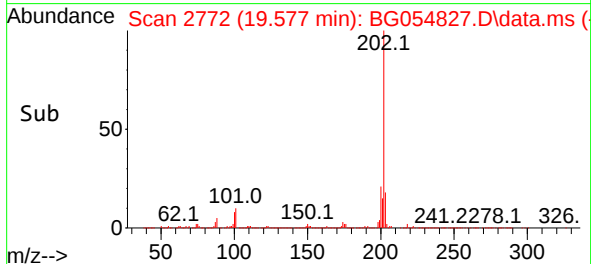
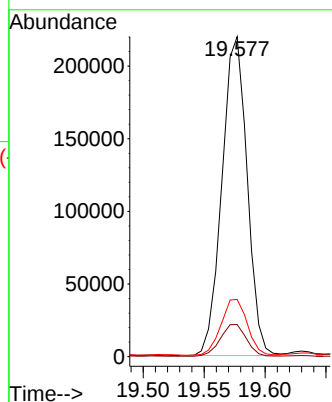
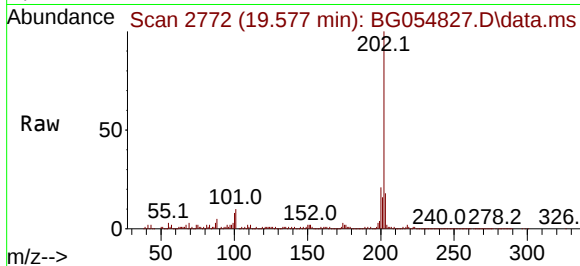




#75
Fluoranthene
Concen: 17.837 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

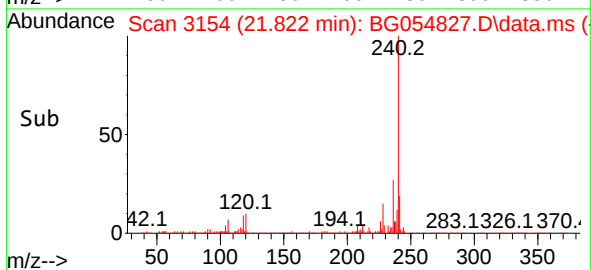
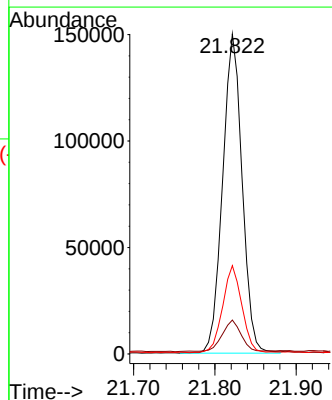
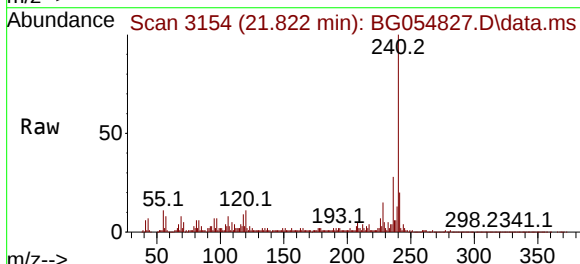
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

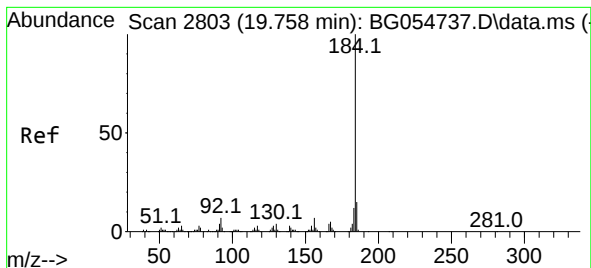
Tgt Ion:202 Resp: 315798
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 17.9 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.822 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:240 Resp: 249908
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.4
236 27.6 21.2 31.8





#77

Benzidine

Concen: 2.417 ng

RT: 20.124 min Scan# 2

Delta R.T. 0.366 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

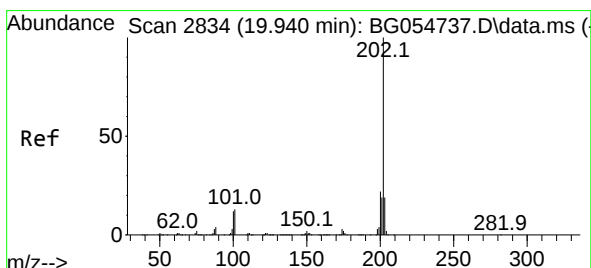
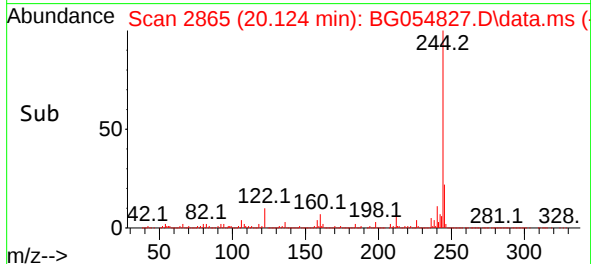
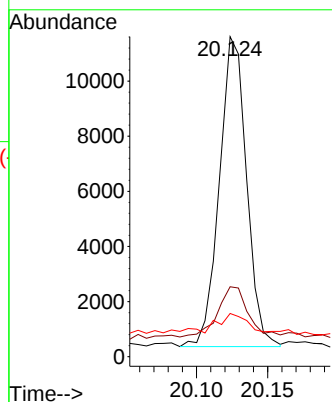
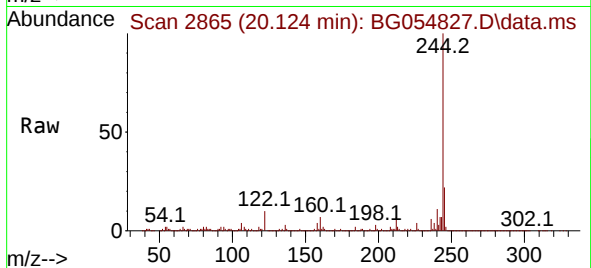
Tgt Ion:184 Resp: 14960

Ion Ratio Lower Upper

184 100

185 21.8 11.4 17.0#

183 13.5 9.8 14.8



#78

Pyrene

Concen: 16.084 ng

RT: 19.936 min Scan# 2833

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

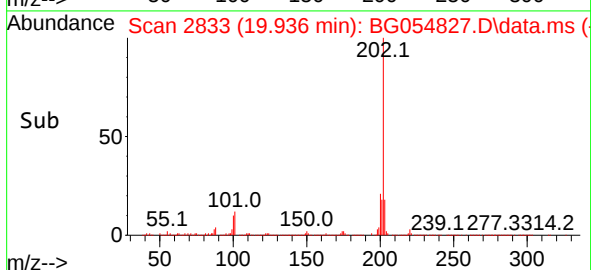
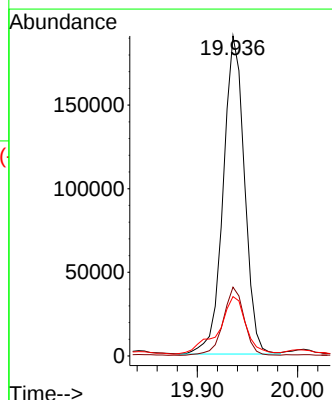
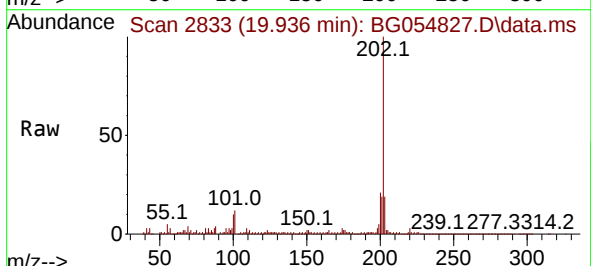
Tgt Ion:202 Resp: 280270

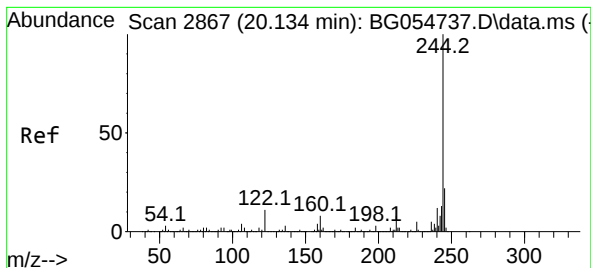
Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

203 18.6 14.6 21.8





#79

Terphenyl-d14

Concen: 76.644 ng

RT: 20.124 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

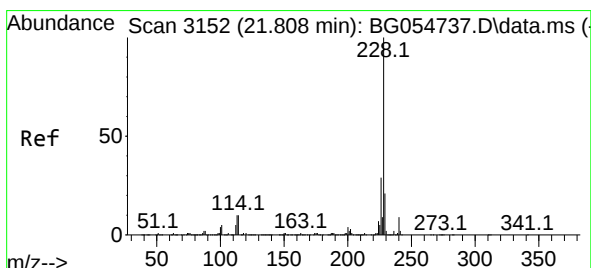
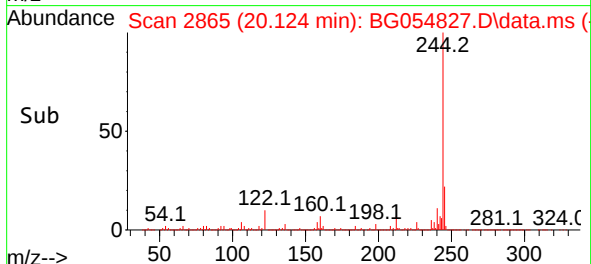
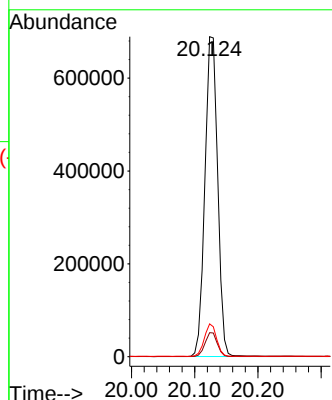
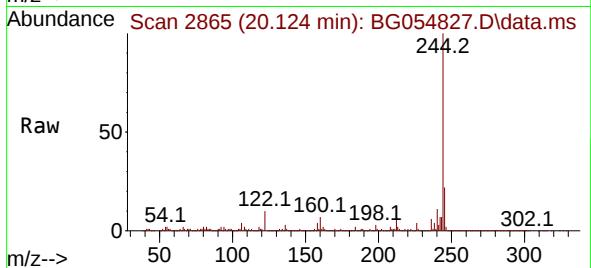
Tgt Ion:244 Resp: 966692

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 10.3 9.0 13.6



#81

Benzo(a)anthracene

Concen: 8.396 ng

RT: 21.804 min Scan# 3151

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

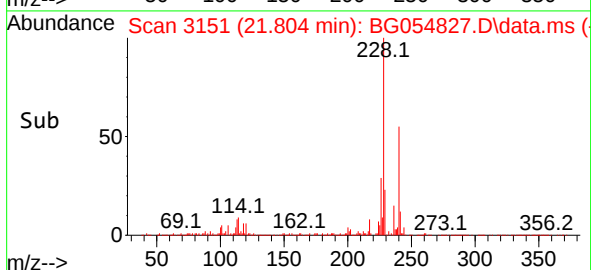
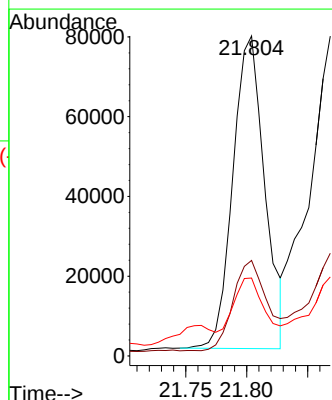
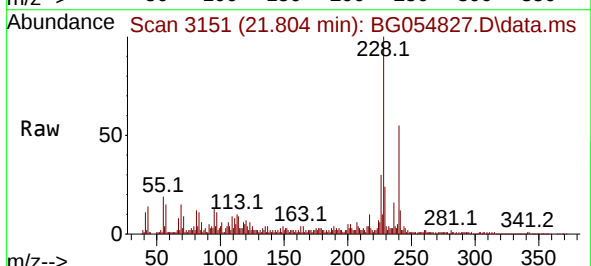
Tgt Ion:228 Resp: 142267

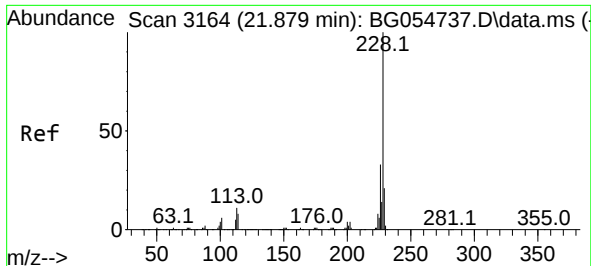
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 24.3 16.5 24.7

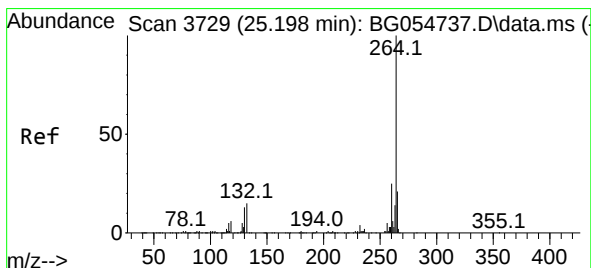
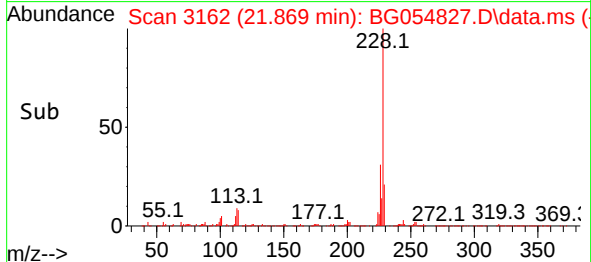
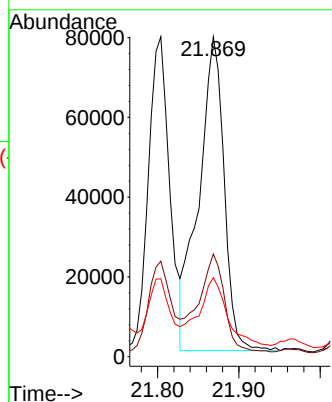
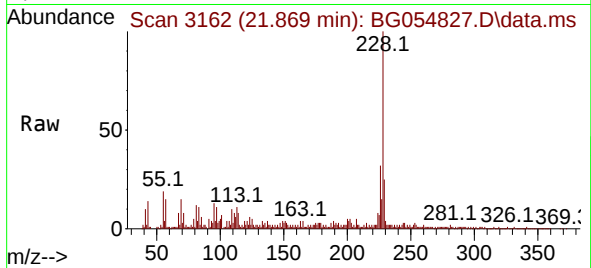




#83
Chrysene
Concen: 10.529 ng
RT: 21.869 min Scan# 3164
Delta R.T. -0.010 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

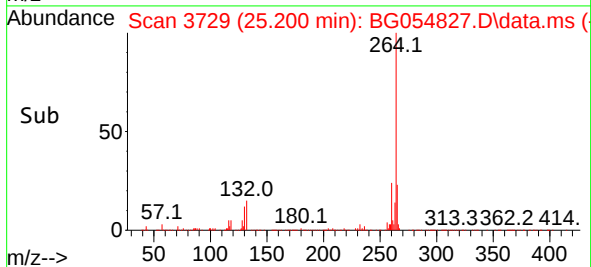
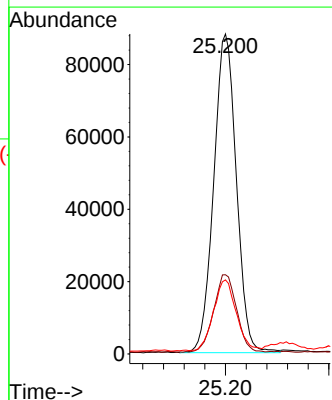
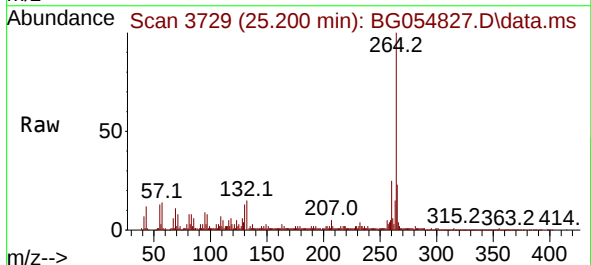
Instrument :
BNA_G
ClientSampleId :
KTS2-TR-03-0-5

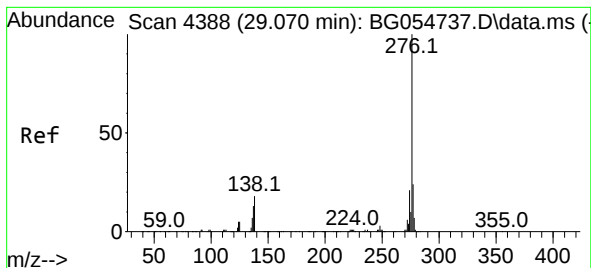
Tgt Ion:228 Resp: 170585
Ion Ratio Lower Upper
228 100
226 32.1 25.5 38.3
229 24.7 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.200 min Scan# 3729
Delta R.T. 0.002 min
Lab File: BG054827.D
Acq: 1 Sep 2022 18:20

Tgt Ion:264 Resp: 267394
Ion Ratio Lower Upper
264 100
260 24.7 19.9 29.9
265 23.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.664 ng

RT: 29.072 min Scan# 4388

Delta R.T. 0.002 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

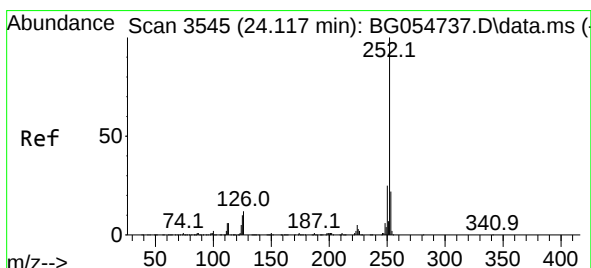
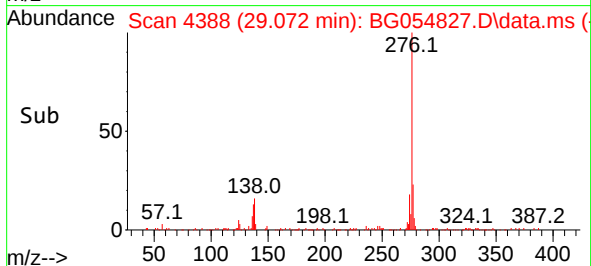
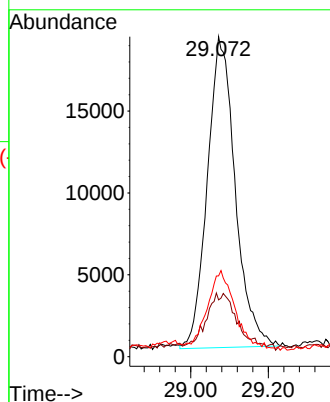
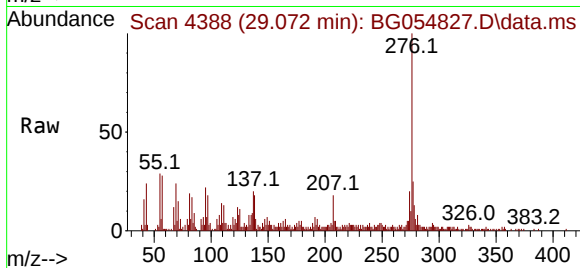
Tgt Ion:276 Resp: 94677

Ion Ratio Lower Upper

276 100

138 7.6 12.0 18.0#

277 25.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.695 ng

RT: 24.119 min Scan# 3545

Delta R.T. 0.002 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

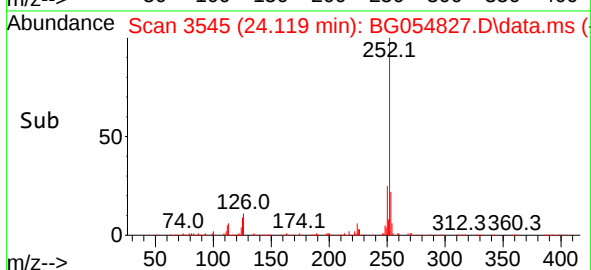
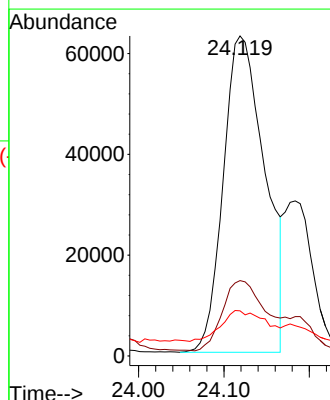
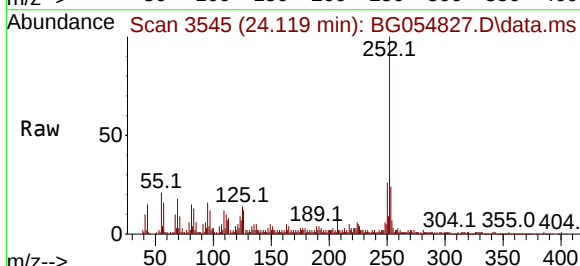
Tgt Ion:252 Resp: 212939

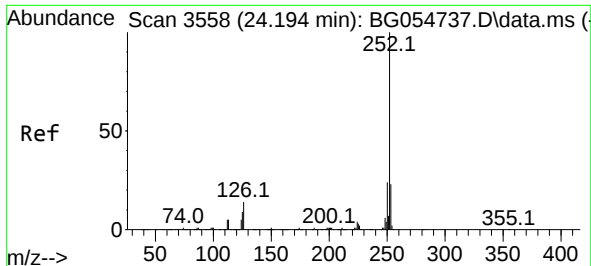
Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 14.1 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 12.614 ng

RT: 24.119 min Scan# 3

Delta R.T. -0.075 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5

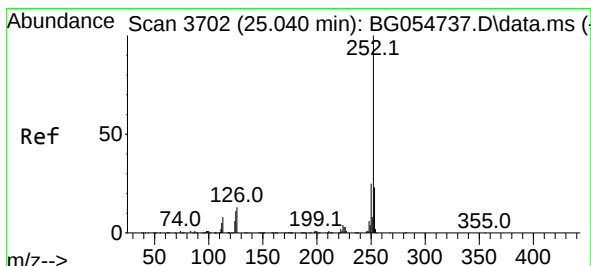
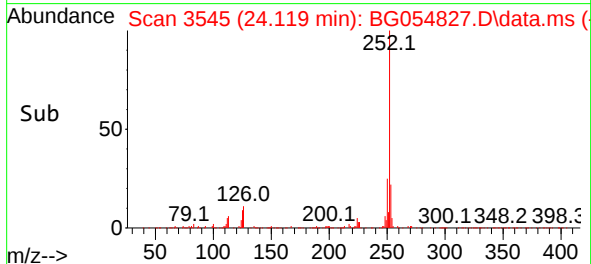
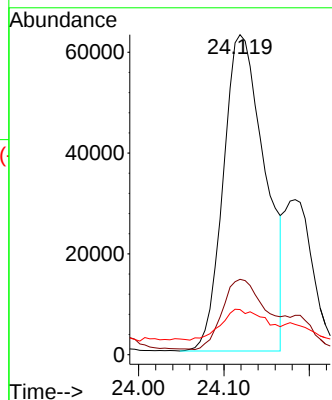
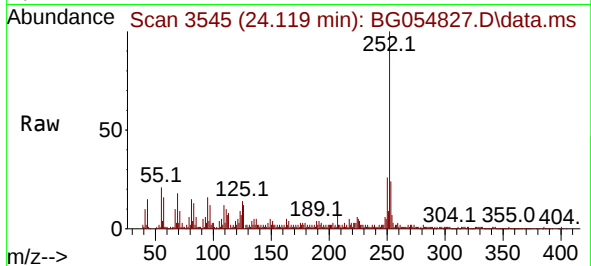
Tgt Ion:252 Resp: 212939

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 14.1 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 8.054 ng

RT: 25.035 min Scan# 3701

Delta R.T. -0.004 min

Lab File: BG054827.D

Acq: 1 Sep 2022 18:20

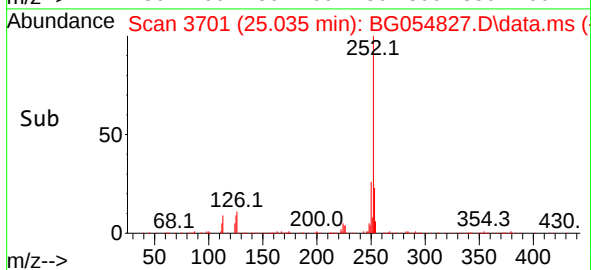
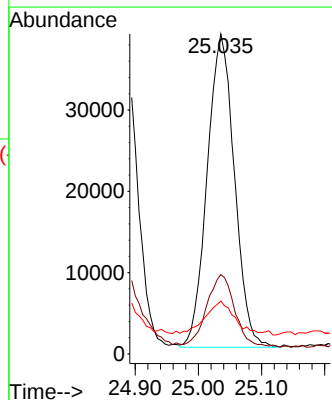
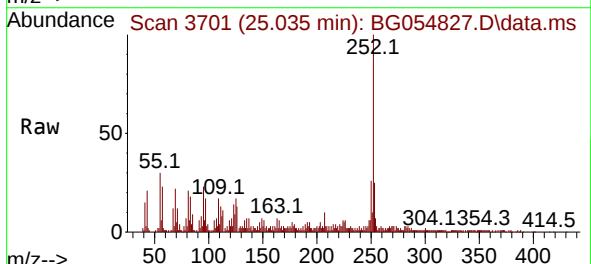
Tgt Ion:252 Resp: 115427

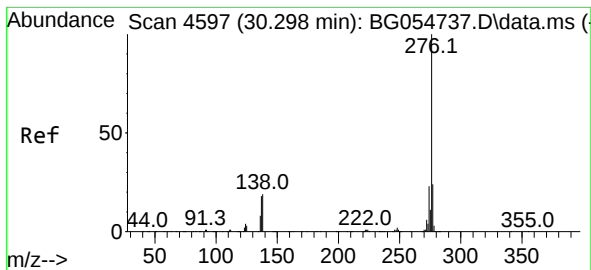
Ion Ratio Lower Upper

252 100

253 24.8 18.3 27.5

125 16.6 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 5.463 ng

RT: 30.300 min Scan# 4

Delta R.T. 0.002 min

Lab File: BG054827.D

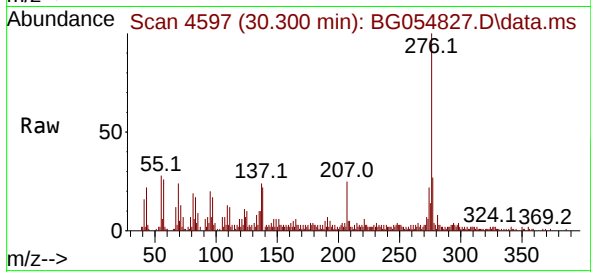
Acq: 1 Sep 2022 18:20

Instrument :

BNA_G

ClientSampleId :

KTS2-TR-03-0-5



Tgt Ion:276 Resp: 91271

Ion Ratio Lower Upper

276 100

277 26.6 19.4 29.0

138 21.7 16.6 25.0

