

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055582.D
 Acq On : 12 Nov 2022 1:52
 Operator : CG/JU
 Sample : N5509-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Quant Time: Nov 12 02:46:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

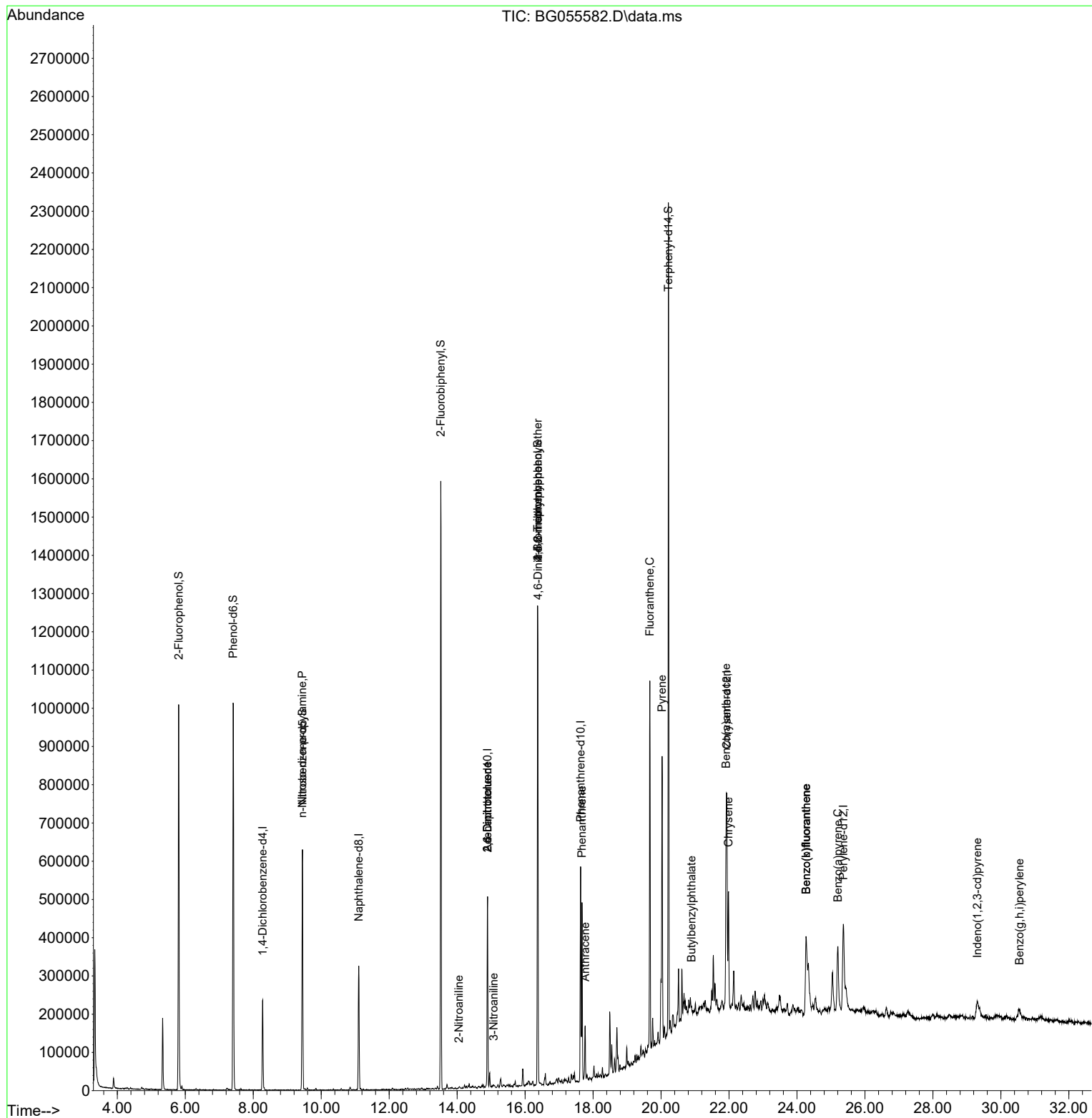
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.278	152	68293	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	274516	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	177838	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	360032	20.000	ng	0.00
76) Chrysene-d12	21.933	240	317767	20.000	ng	0.00
86) Perylene-d12	25.364	264	320184	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	439220	122.501	ng	0.01
7) Phenol-d6	7.409	99	577412	116.585	ng	0.00
23) Nitrobenzene-d5	9.448	82	364244	89.950	ng	0.00
42) 2,4,6-Tribromophenol	16.369	330	248796	143.384	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	806712	68.424	ng	0.00
79) Terphenyl-d14	20.217	244	1072694	67.803	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.442	70	49161	12.011	ng	# 79
48) 2-Nitroaniline	14.054	65	121	3.830	ng	# 8
51) 2,6-Dinitrotoluene	14.894	165	23334	12.330	ng	# 23
53) 3-Nitroaniline	15.076	138	54	3.796	ng	# 1
57) 2,4-Dinitrotoluene	14.894	165	23334	10.498	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.375	198	738	2.744	ng	# 1
67) 4-Bromophenyl-phenylether	16.369	248	15884	4.325	ng	# 1
71) Phenanthrene	17.673	178	294950	15.243	ng	99
72) Anthracene	17.767	178	90549	4.775	ng	98
75) Fluoranthene	19.671	202	603353	26.148	ng	99
78) Pyrene	20.029	202	506128	23.534	ng	99
80) Butylbenzylphthalate	20.899	149	1173	3.498	ng	# 60
81) Benzo(a)anthracene	21.915	228	281757	12.945	ng	98
83) Chrysene	21.986	228	237326	11.467	ng	97
87) Indeno(1,2,3-cd)pyrene	29.307	276	121527	4.983	ng	# 91
88) Benzo(b)fluoranthene	24.271	252	301699	14.872	ng	99
89) Benzo(k)fluoranthene	24.271	252	301699	14.547	ng	98
90) Benzo(a)pyrene	25.200	252	259615	14.856	ng	99
92) Benzo(g,h,i)perylene	30.546	276	94048	4.766	ng	97

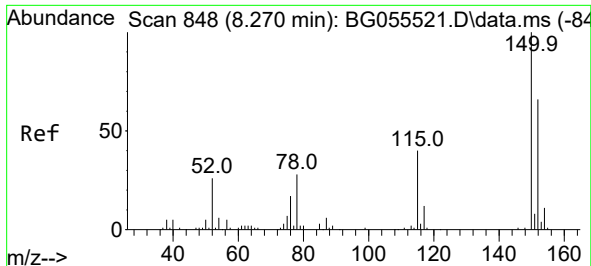
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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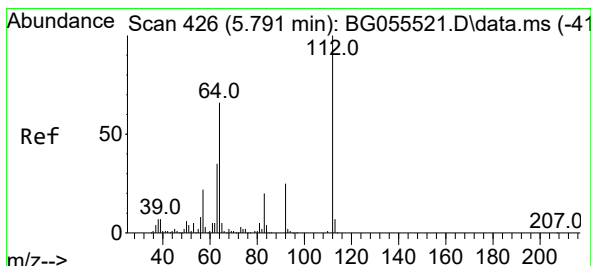
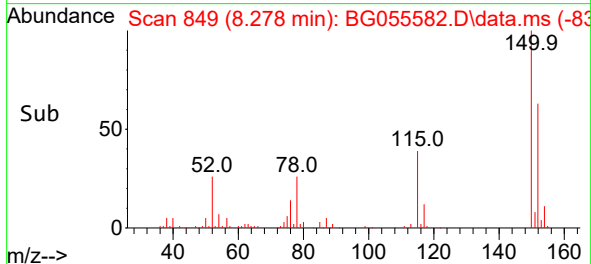
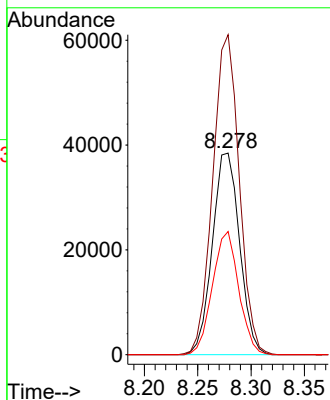
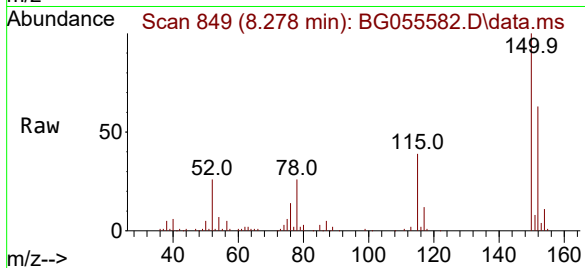




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 84
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

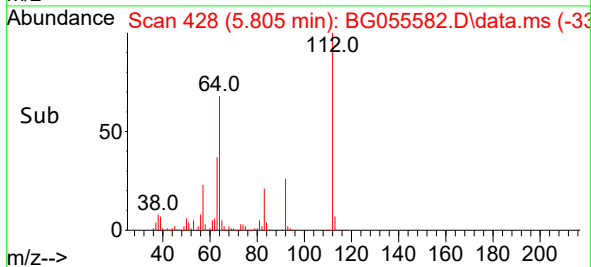
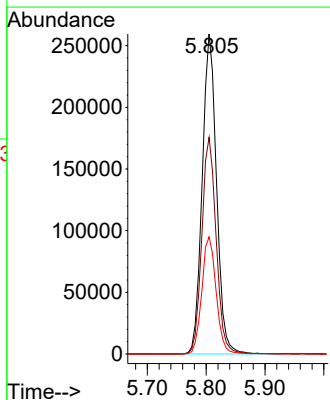
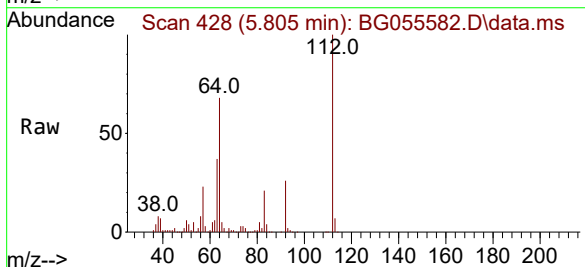
Instrument :
BNA_G
ClientSampleId :
TP-13

Tgt Ion:152 Resp: 68293
Ion Ratio Lower Upper
152 100
150 158.8 121.0 181.4
115 61.2 47.8 71.8



#5
2-Fluorophenol
Concen: 122.501 ng
RT: 5.805 min Scan# 428
Delta R.T. 0.014 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:112 Resp: 439220
Ion Ratio Lower Upper
112 100
64 67.7 52.6 78.8
63 36.6 28.3 42.5

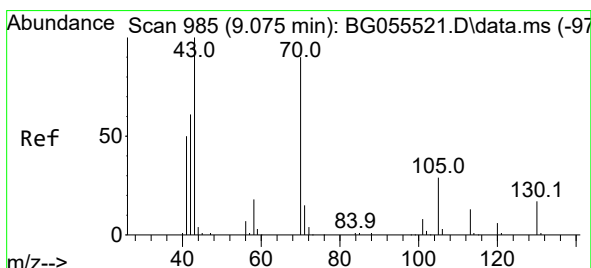
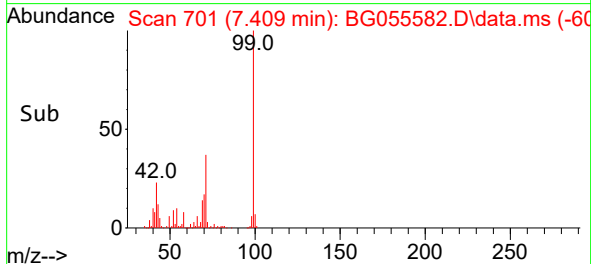
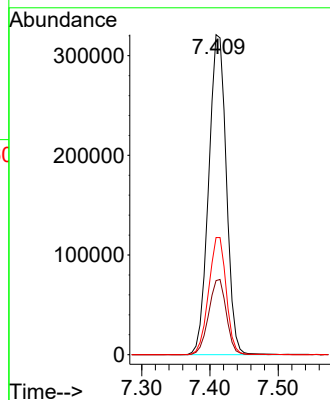
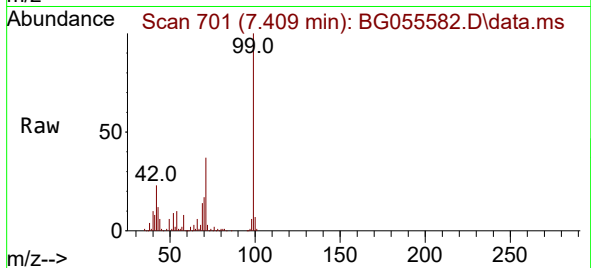




#7
Phenol-d6
Concen: 116.585 ng
RT: 7.409 min Scan# 701
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

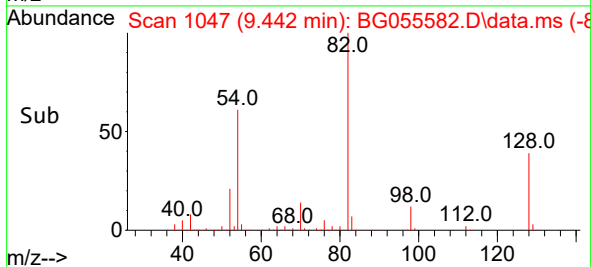
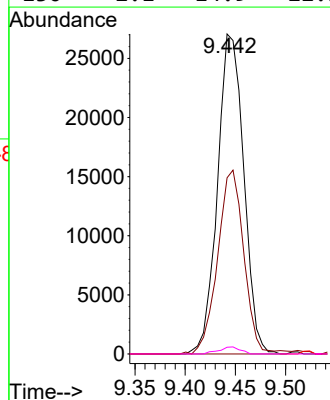
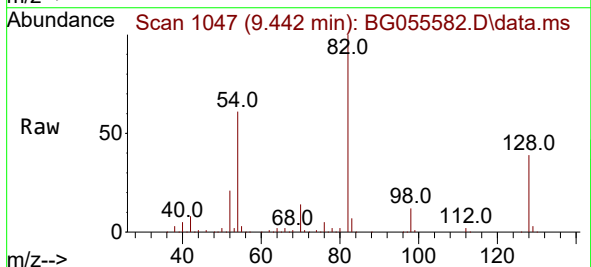
Instrument :
BNA_G
ClientSampleId :
TP-13

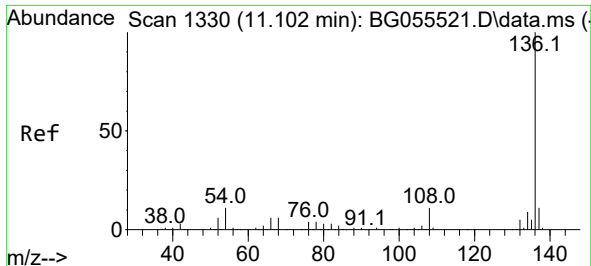
Tgt Ion: 99 Resp: 577412
Ion Ratio Lower Upper
99 100
42 23.2 17.5 26.3
71 36.6 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.011 ng
RT: 9.442 min Scan# 1047
Delta R.T. 0.367 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion: 70 Resp: 49161
Ion Ratio Lower Upper
70 100
42 55.1 54.8 82.2
101 0.0 6.8 10.2#
130 2.1 14.9 22.3#

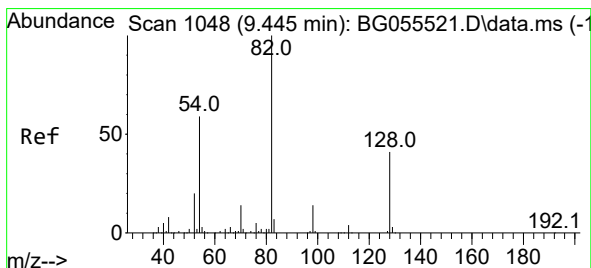
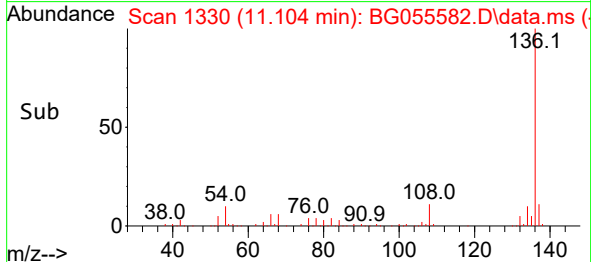
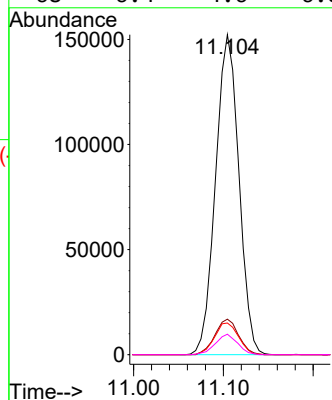
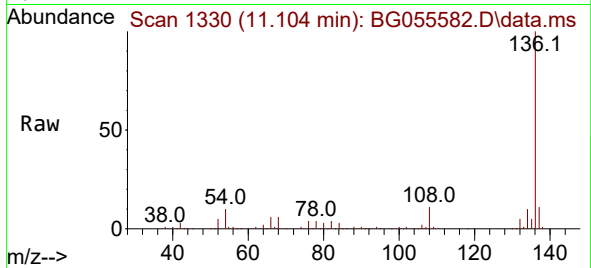




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

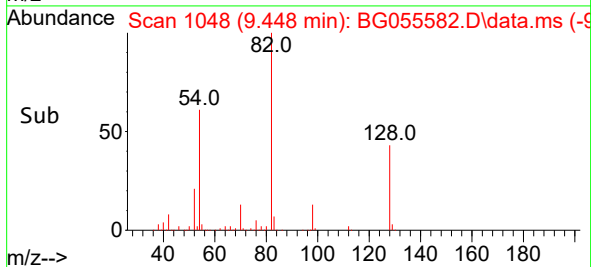
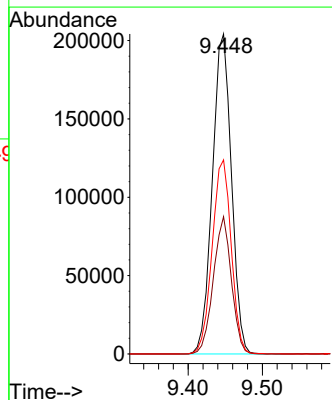
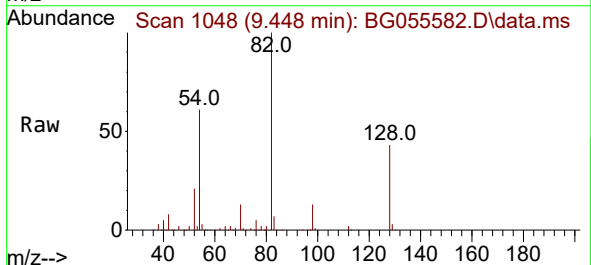
Instrument :
BNA_G
ClientSampleId :
TP-13

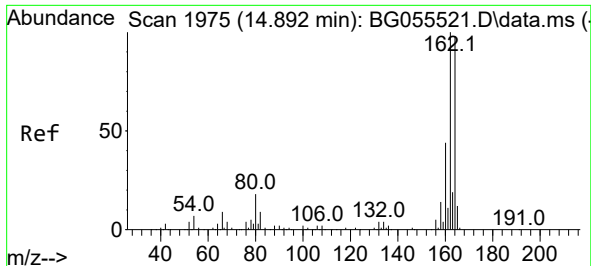
Tgt Ion:	136	Resp:	274516
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	9.9	8.6	12.8
68	6.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 89.950 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:	82	Resp:	364244
Ion Ratio	Lower	Upper	
82	100		
128	42.9	32.6	49.0
54	60.6	47.3	70.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.894 min Scan# 1975

Delta R.T. 0.002 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

TP-13

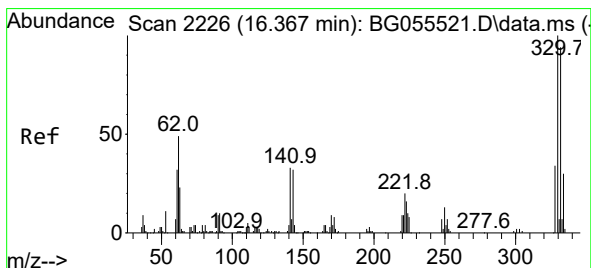
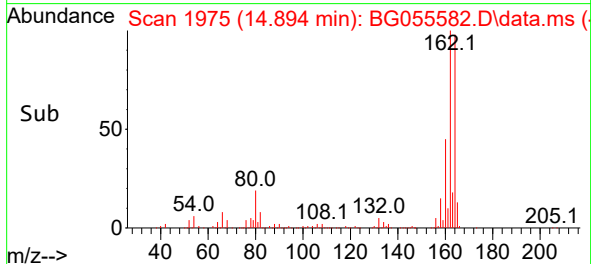
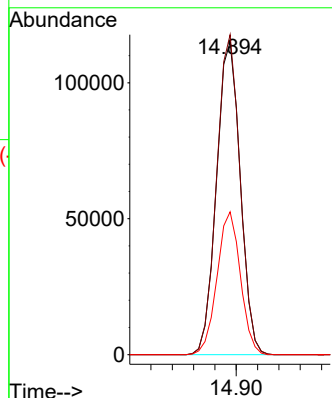
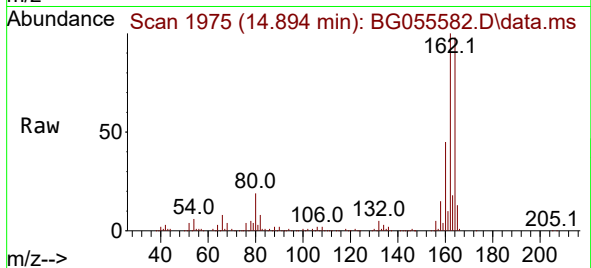
Tgt Ion:164 Resp: 177838

Ion Ratio Lower Upper

164 100

162 102.4 81.3 121.9

160 45.7 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 143.384 ng

RT: 16.369 min Scan# 2226

Delta R.T. 0.002 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

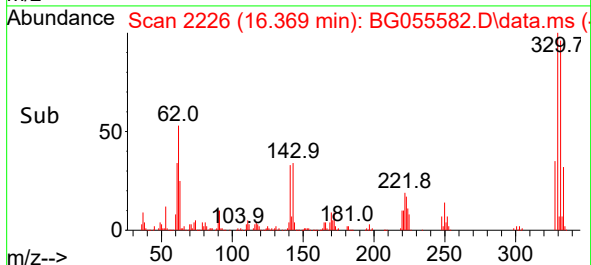
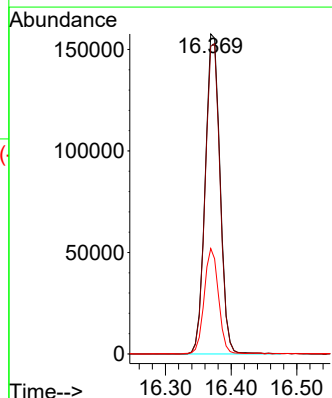
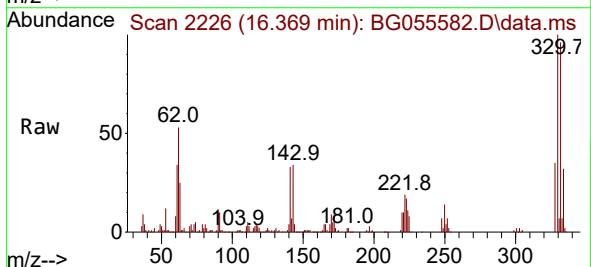
Tgt Ion:330 Resp: 248796

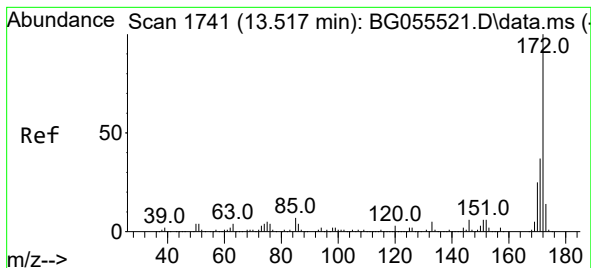
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

141 31.7 25.4 38.2

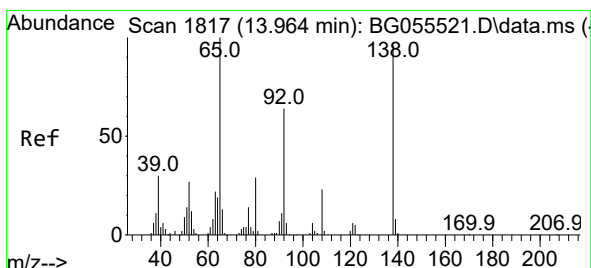
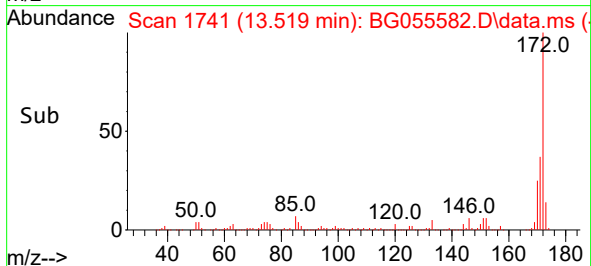
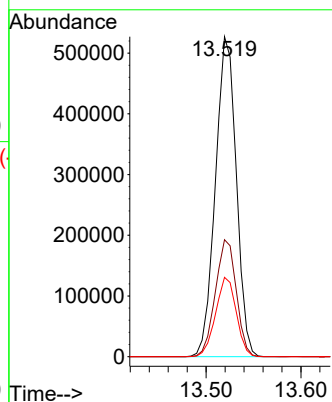
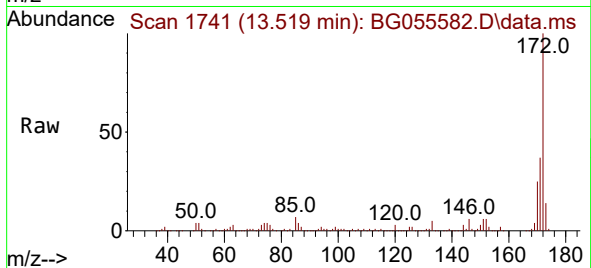




#45
2-Fluorobiphenyl
Concen: 68.424 ng
RT: 13.519 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

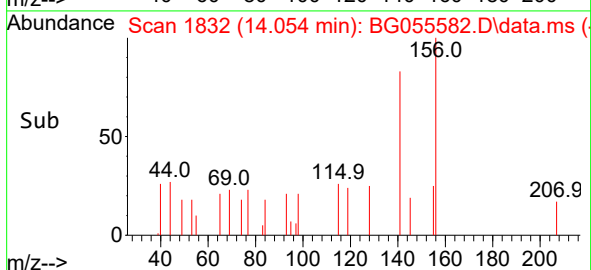
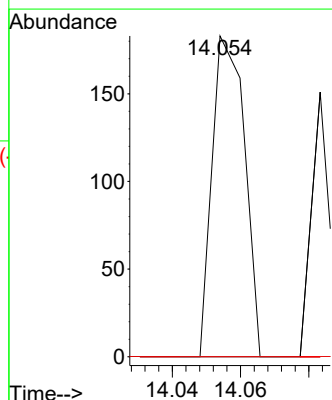
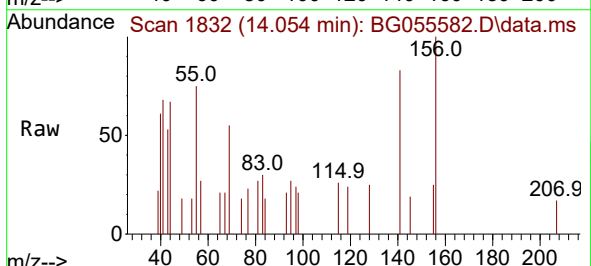
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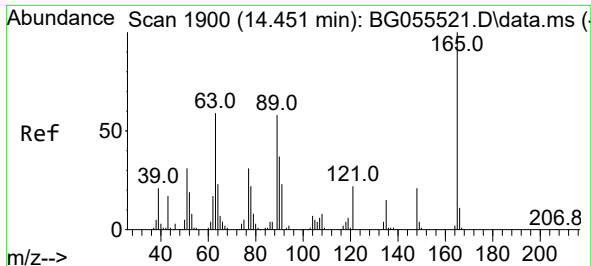
Tgt Ion:172 Resp: 806712
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.8 19.8 29.6



#48
2-Nitroaniline
Concen: 3.830 ng
RT: 14.054 min Scan# 1832
Delta R.T. 0.090 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion: 65 Resp: 121
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#

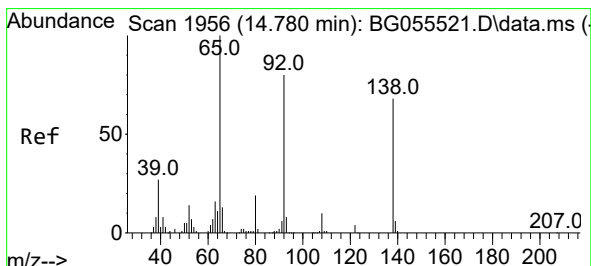
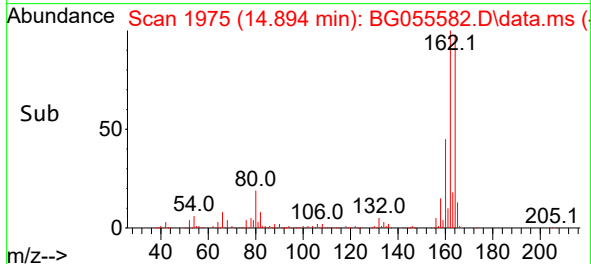
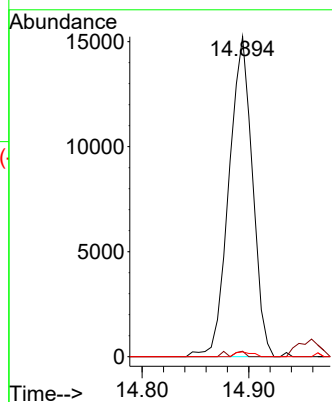
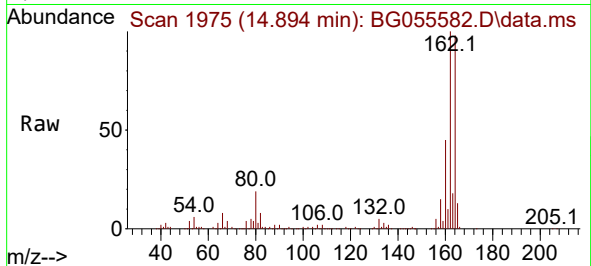




#51
2,6-Dinitrotoluene
Concen: 12.330 ng
RT: 14.894 min Scan# 14
Delta R.T. 0.443 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

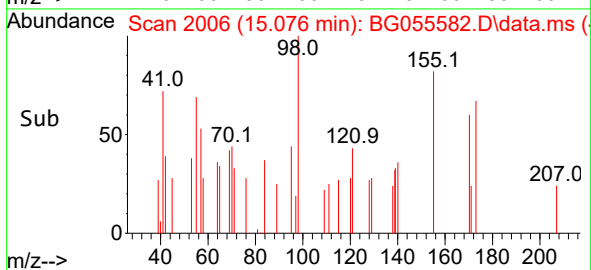
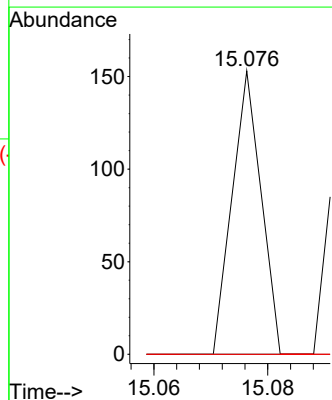
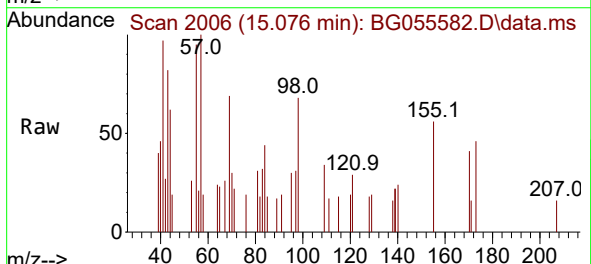
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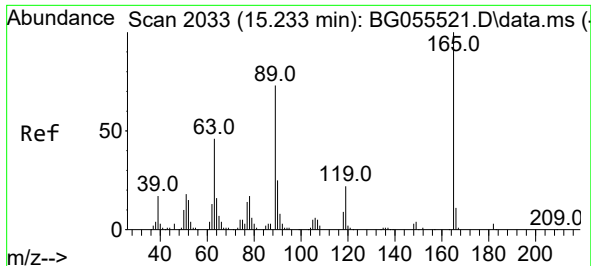
Tgt Ion:165 Resp: 23334
Ion Ratio Lower Upper
165 100
63 1.7 50.1 75.1#
89 1.5 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.796 ng
RT: 15.076 min Scan# 2006
Delta R.T. 0.296 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#





#57

2,4-Dinitrotoluene

Concen: 10.498 ng

RT: 14.894 min Scan# 14

Delta R.T. -0.339 min

Lab File: BG055582.D

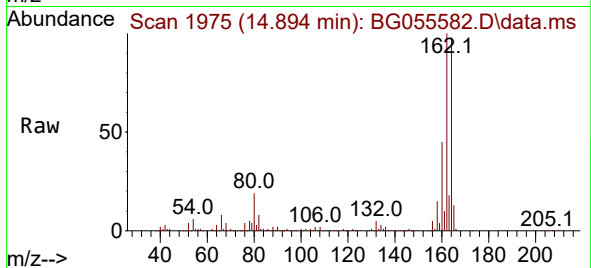
Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

TP-13



Tgt Ion:165 Resp: 23334

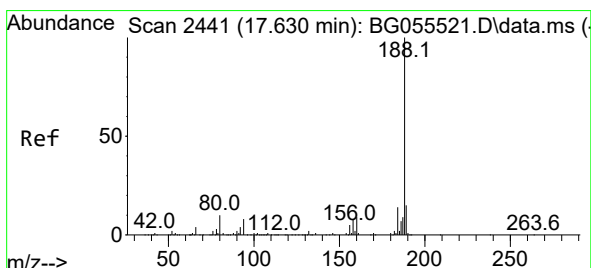
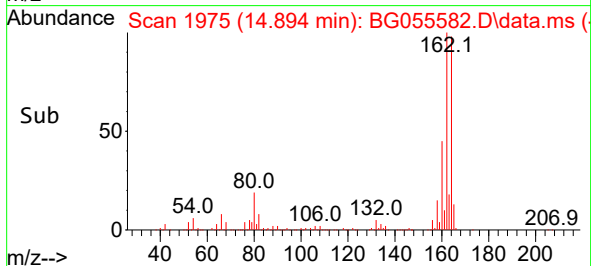
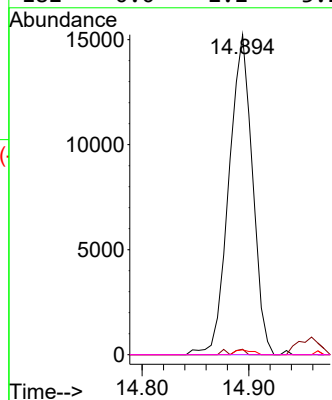
Ion Ratio Lower Upper

165 100

63 1.7 37.0 55.4#

89 1.5 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.632 min Scan# 2441

Delta R.T. 0.002 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

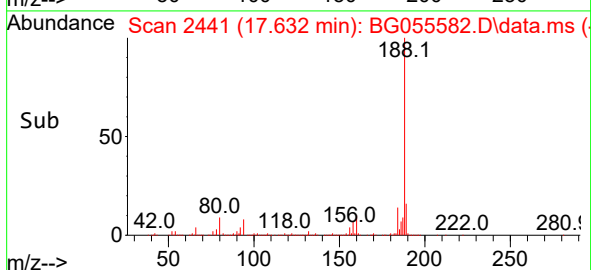
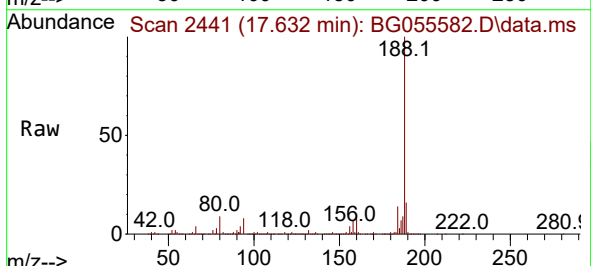
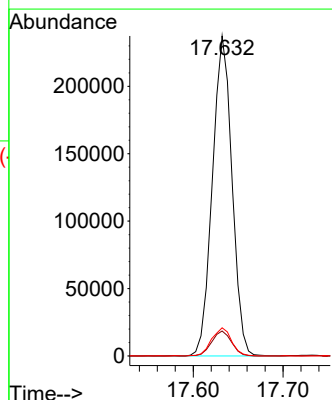
Tgt Ion:188 Resp: 360032

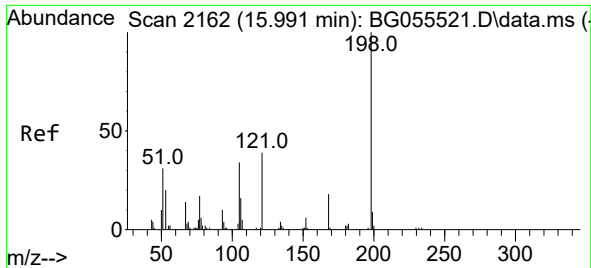
Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.8 7.6 11.4

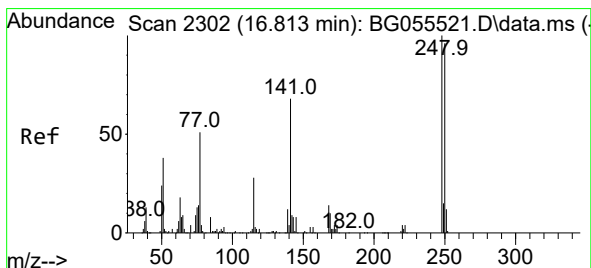
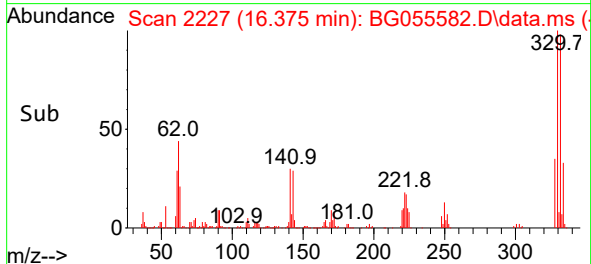
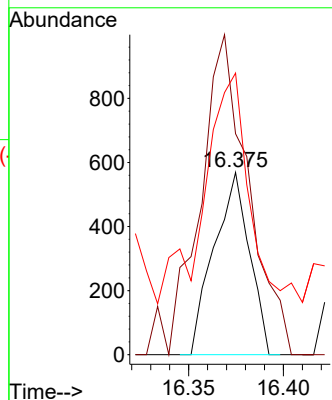
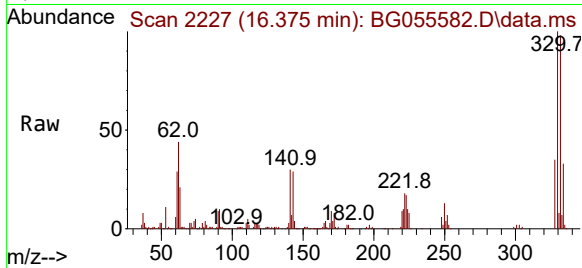




#65
4,6-Dinitro-2-methylphenol
Concen: 2.744 ng
RT: 16.375 min Scan# 2162
Delta R.T. 0.384 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

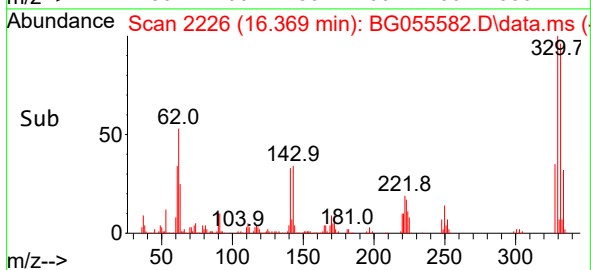
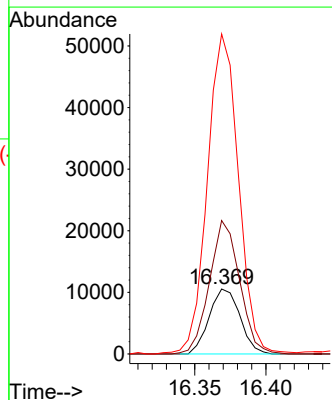
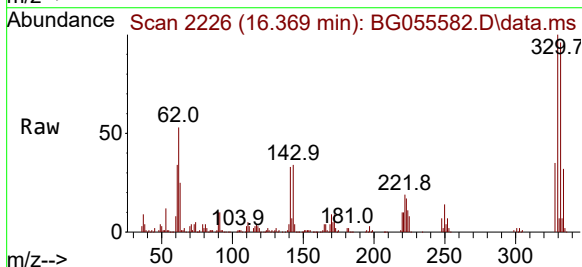
Instrument :
BNA_G
ClientSampleId :
TP-13

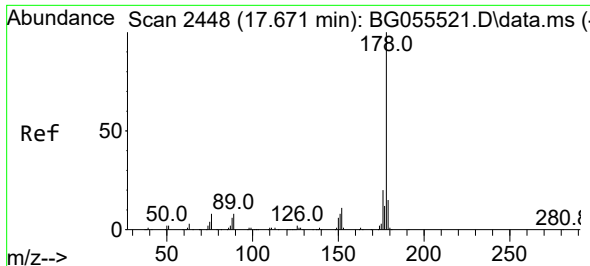
Tgt Ion:198 Resp: 738
Ion Ratio Lower Upper
198 100
51 121.3 24.7 64.7#
105 154.5 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 4.325 ng
RT: 16.369 min Scan# 2226
Delta R.T. -0.444 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:248 Resp: 15884
Ion Ratio Lower Upper
248 100
250 205.7 76.9 115.3#
141 493.0 54.3 81.5#

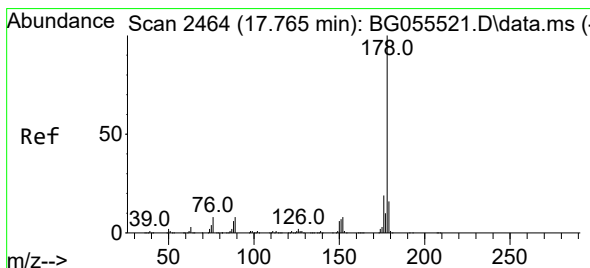
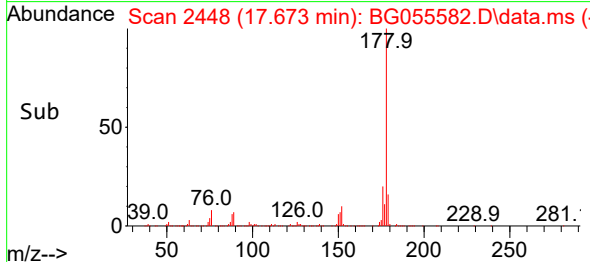
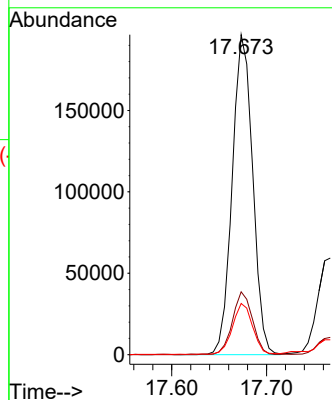
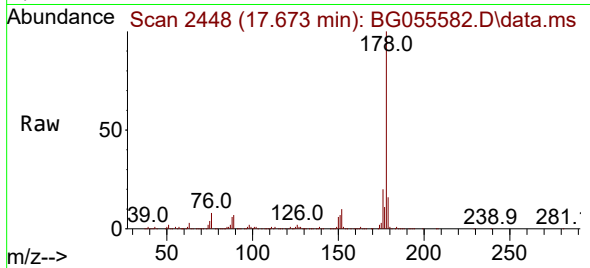




#71
Phenanthrene
Concen: 15.243 ng
RT: 17.673 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

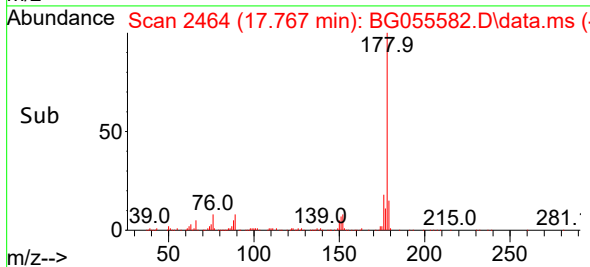
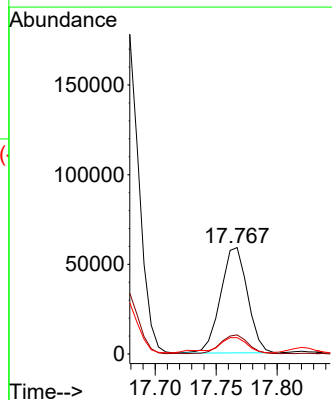
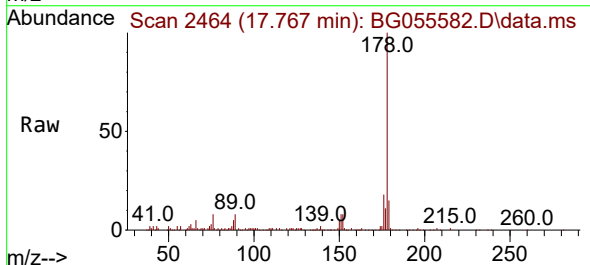
Instrument :
BNA_G
ClientSampleId :
TP-13

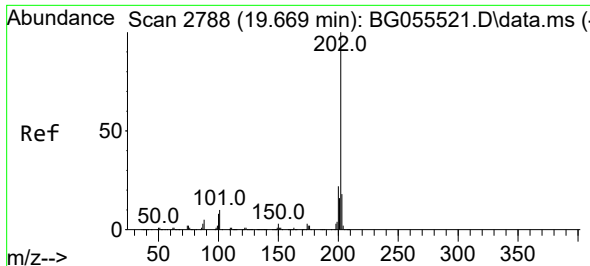
Tgt Ion:178 Resp: 294950
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 16.0 12.2 18.4



#72
Anthracene
Concen: 4.775 ng
RT: 17.767 min Scan# 2464
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:178 Resp: 90549
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.0
179 15.4 13.0 19.4

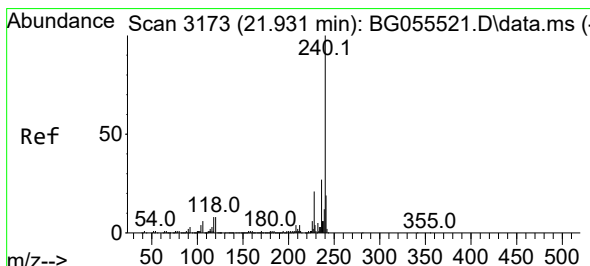
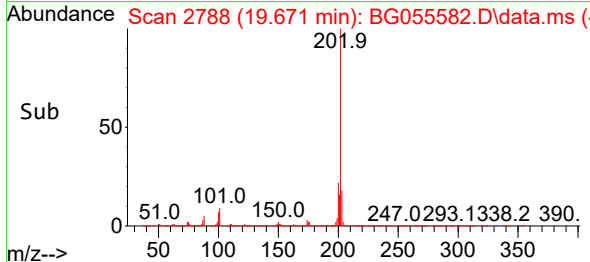
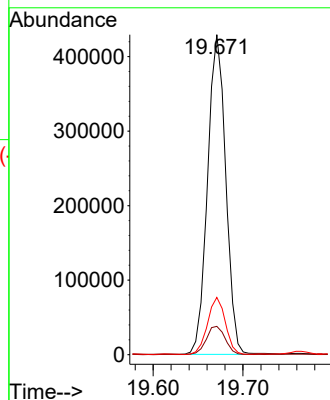
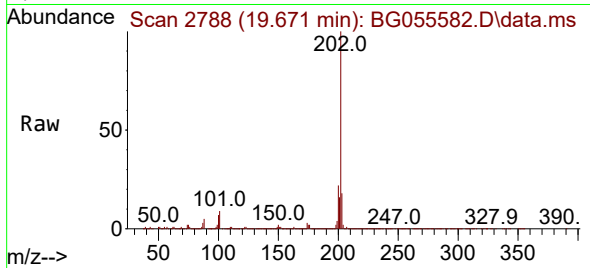




#75
Fluoranthene
Concen: 26.148 ng
RT: 19.671 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

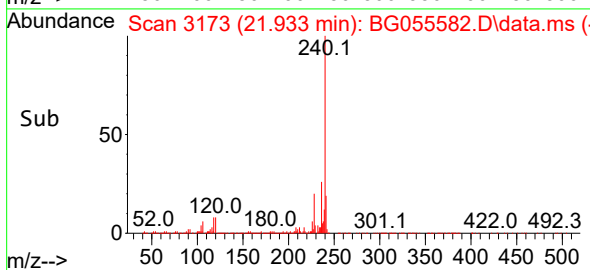
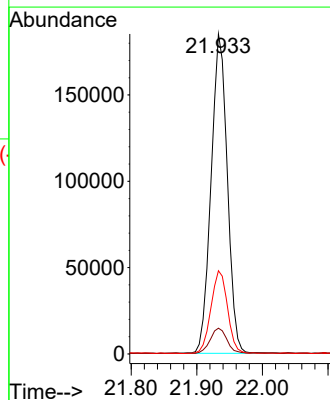
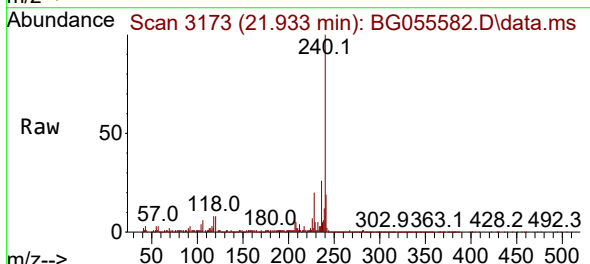
Instrument :
BNA_G
ClientSampleId :
TP-13

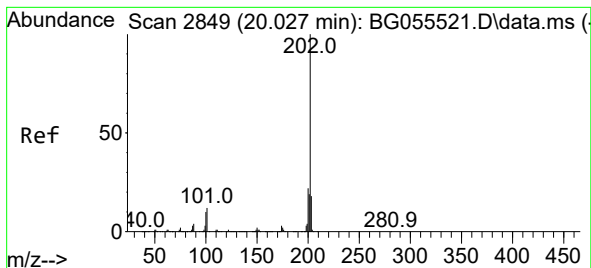
Tgt Ion:202 Resp: 603353
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.8
203 17.9 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:240 Resp: 317767
Ion Ratio Lower Upper
240 100
120 8.1 6.1 9.1
236 26.0 21.4 32.0





#78

Pyrene

Concen: 23.534 ng

RT: 20.029 min Scan# 2

Delta R.T. 0.002 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

TP-13

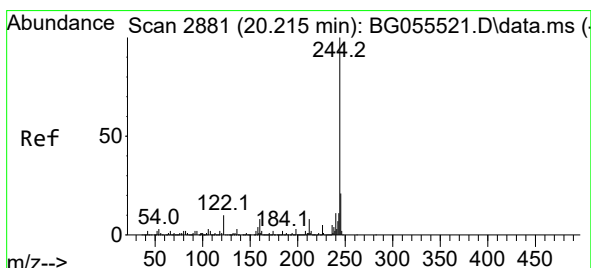
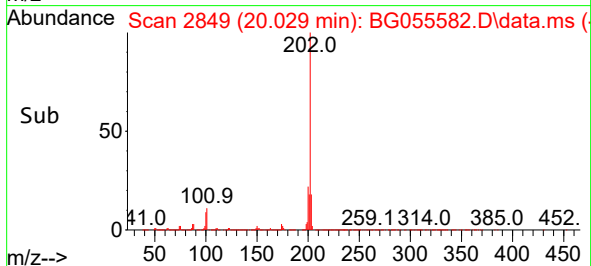
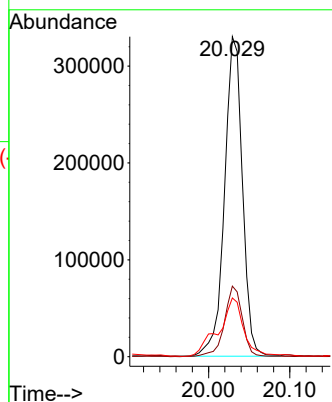
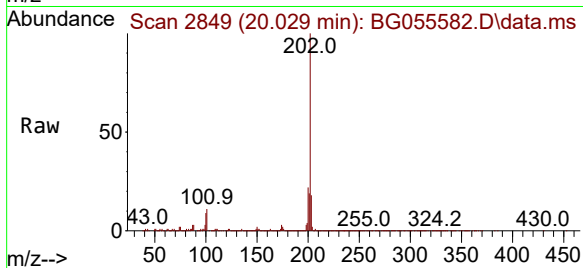
Tgt Ion:202 Resp: 506128

Ion Ratio Lower Upper

202 100

200 22.1 18.0 27.0

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 67.803 ng

RT: 20.217 min Scan# 2881

Delta R.T. 0.002 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

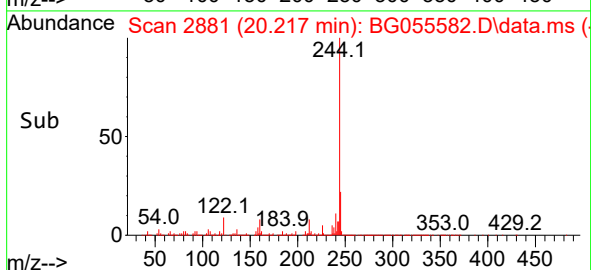
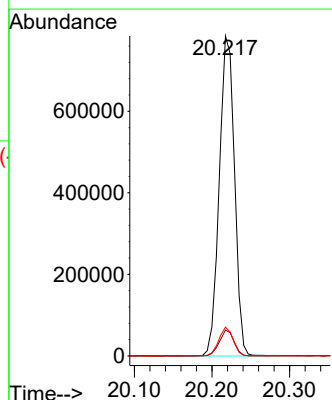
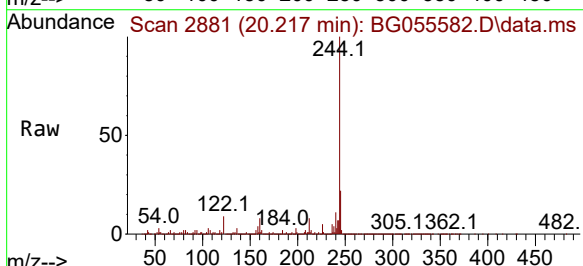
Tgt Ion:244 Resp: 1072694

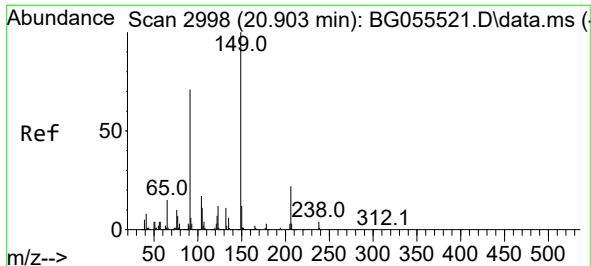
Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 9.0 7.7 11.5

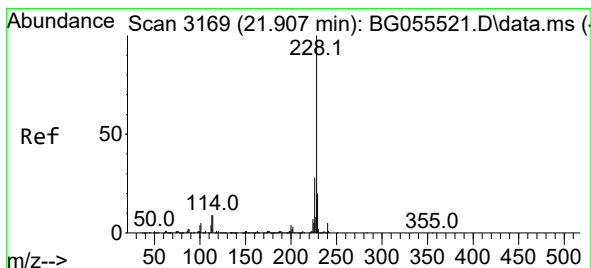
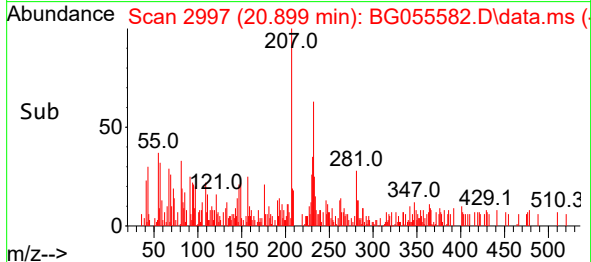
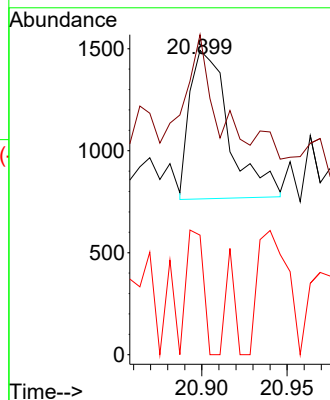
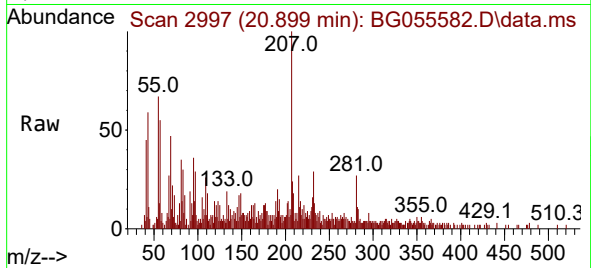




#80
Butylbenzylphthalate
Concen: 3.498 ng
RT: 20.899 min Scan# 2998
Delta R.T. -0.004 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

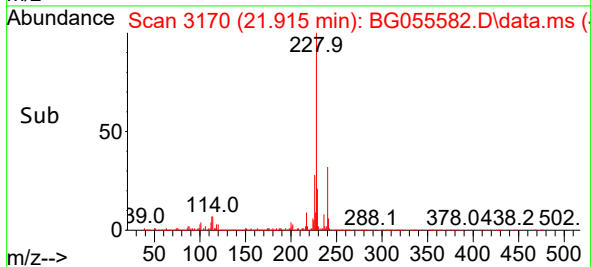
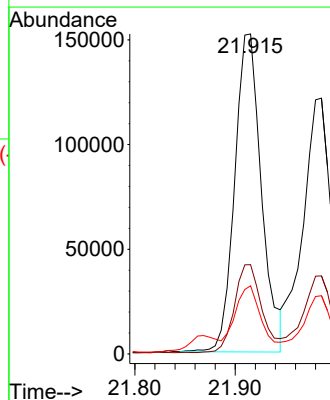
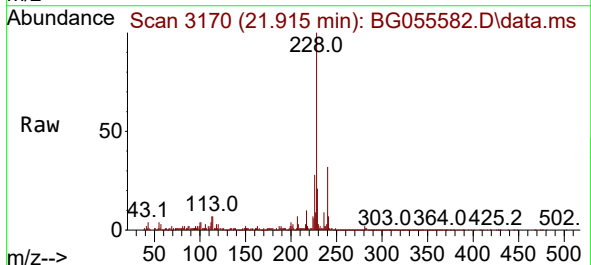
Instrument :
BNA_G
ClientSampleId :
TP-13

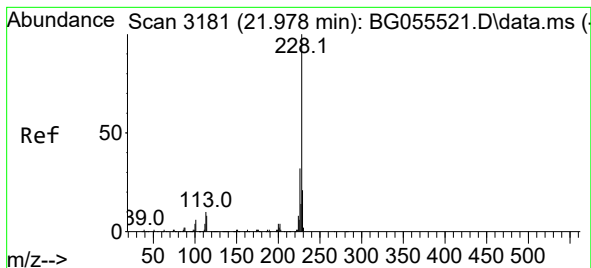
Tgt Ion:149 Resp: 1173
Ion Ratio Lower Upper
149 100
91 105.2 56.8 85.2#
206 39.3 17.3 25.9#



#81
Benzo(a)anthracene
Concen: 12.945 ng
RT: 21.915 min Scan# 3170
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:228 Resp: 281757
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 21.3 16.1 24.1





#83

Chrysene

Concen: 11.467 ng

RT: 21.986 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

TP-13

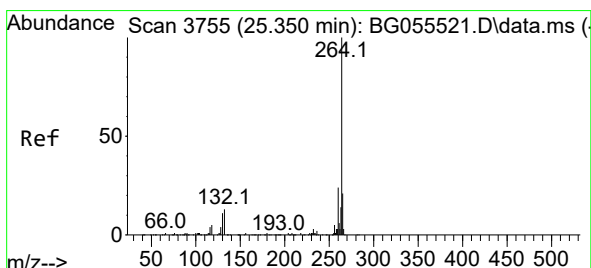
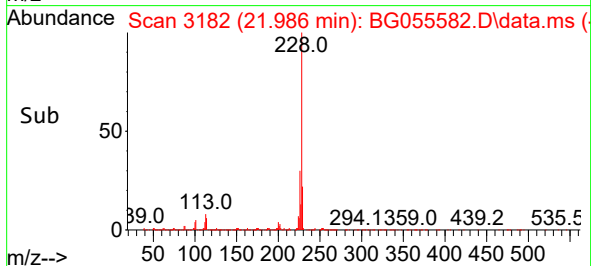
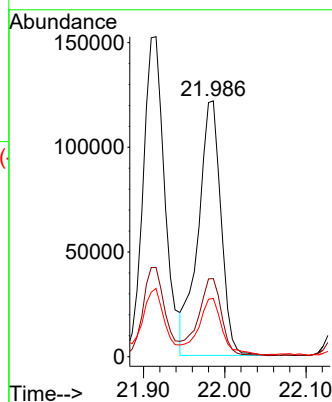
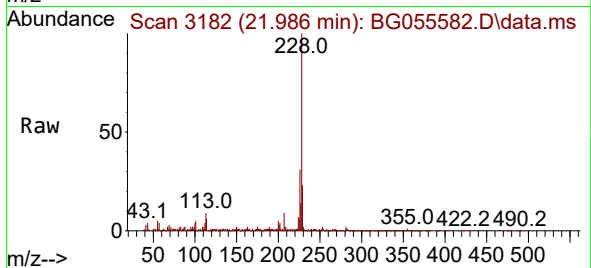
Tgt Ion:228 Resp: 237326

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

229 22.8 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.364 min Scan# 3757

Delta R.T. 0.014 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

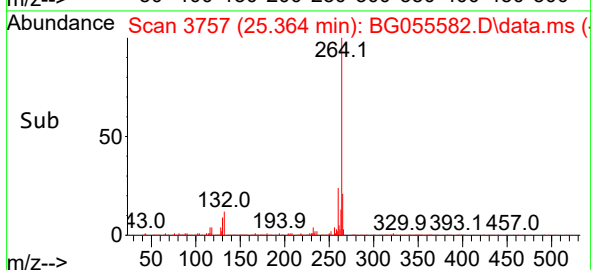
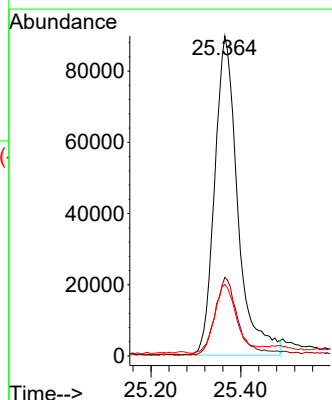
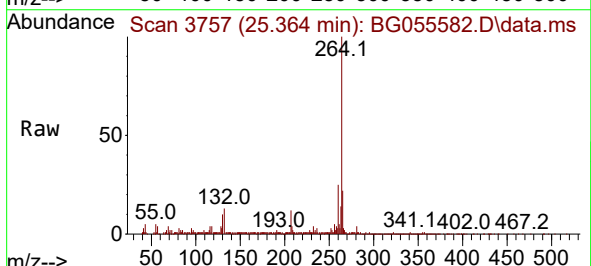
Tgt Ion:264 Resp: 320184

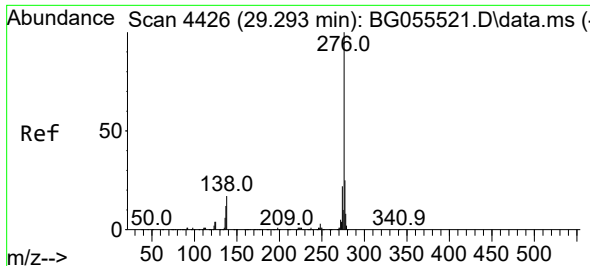
Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 22.4 17.1 25.7

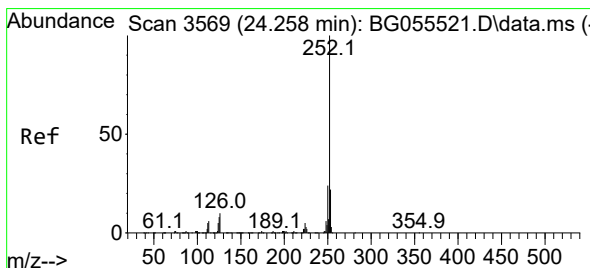
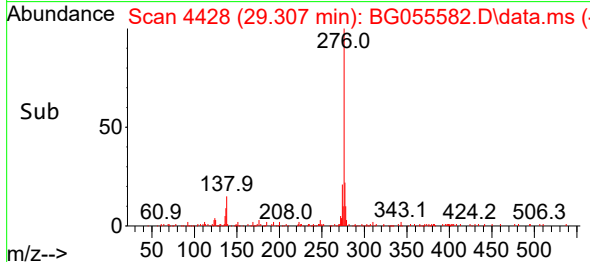
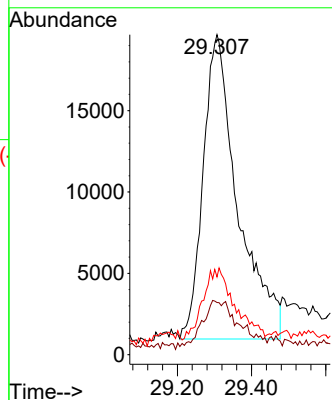
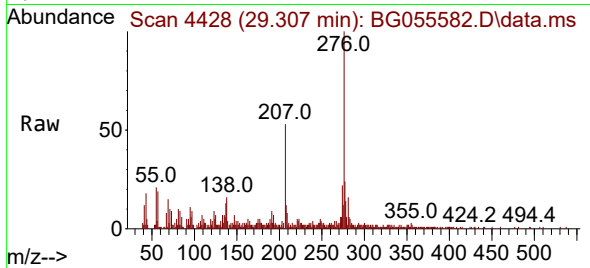




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.983 ng
 RT: 29.307 min Scan# 4426
 Delta R.T. 0.014 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

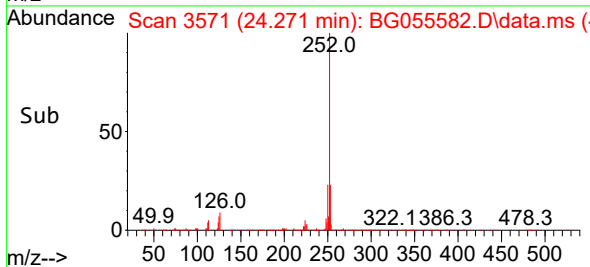
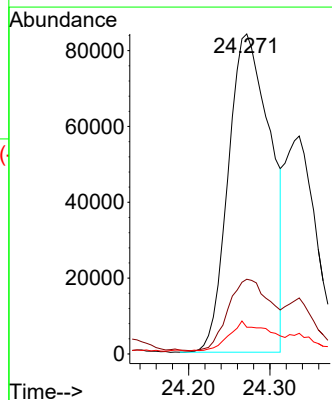
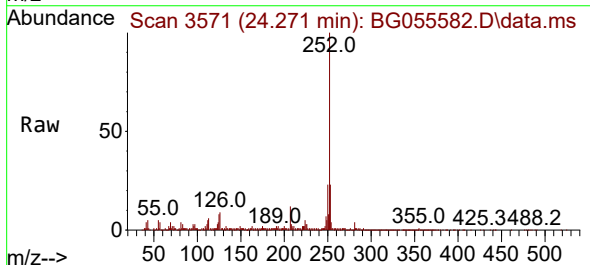
Instrument :
 BNA_G
 ClientSampleId :
 TP-13

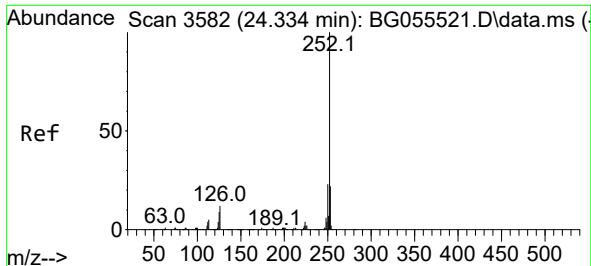
Tgt Ion:276 Resp: 121527
 Ion Ratio Lower Upper
 276 100
 138 9.1 11.5 17.3#
 277 22.3 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 14.872 ng
 RT: 24.271 min Scan# 3571
 Delta R.T. 0.013 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

Tgt Ion:252 Resp: 301699
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.9 26.9
 125 8.4 6.7 10.1

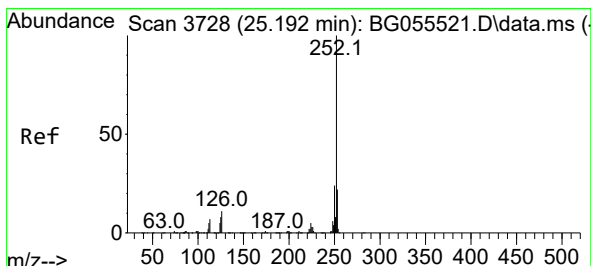
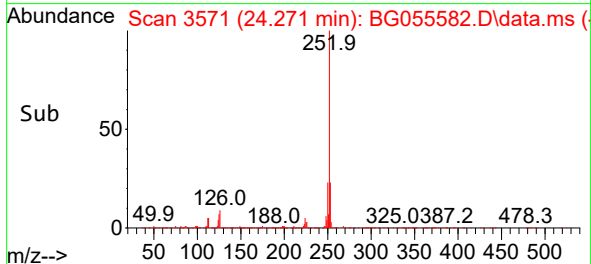
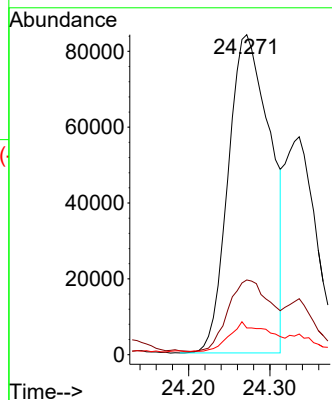
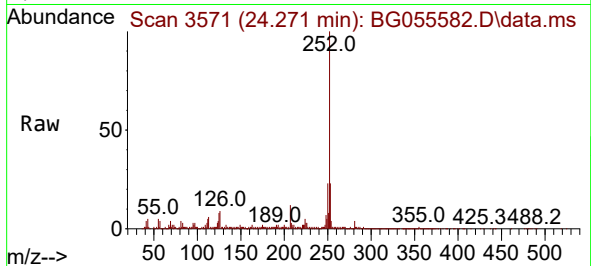




#89
Benzo(k)fluoranthene
Concen: 14.547 ng
RT: 24.271 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

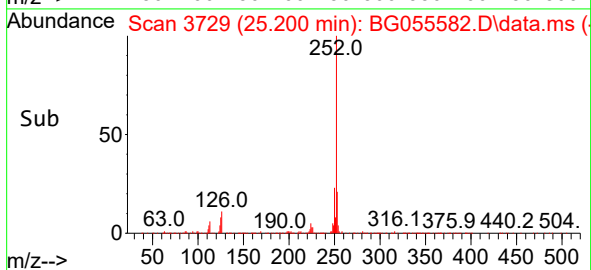
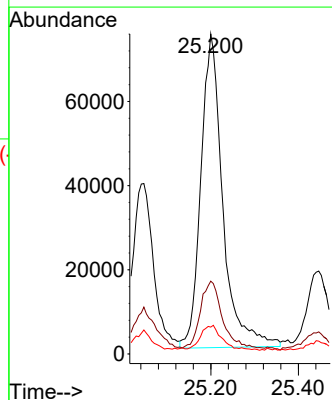
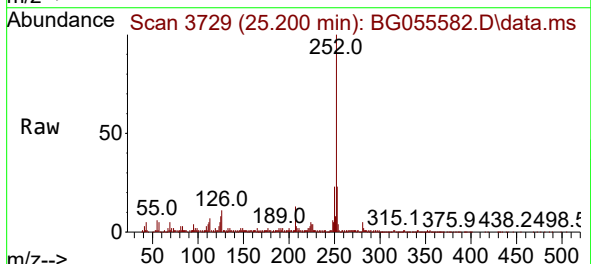
Instrument :
BNA_G
ClientSampleId :
TP-13

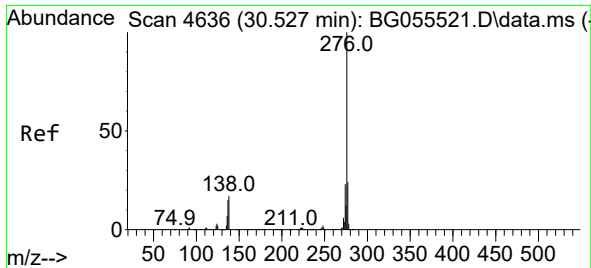
Tgt Ion:252 Resp: 301699
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.4 6.9 10.3



#90
Benzo(a)pyrene
Concen: 14.856 ng
RT: 25.200 min Scan# 3729
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

Tgt Ion:252 Resp: 259615
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 8.4 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.766 ng
 RT: 30.546 min Scan# 4
 Delta R.T. 0.019 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.3	28.9
138	18.3	13.9	20.9

