

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
 Data File : BG055374.D
 Acq On : 29 Oct 2022 20:53
 Operator : CG/JU
 Sample : N5313-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-SW-QUARTER

Quant Time: Oct 31 02:45:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

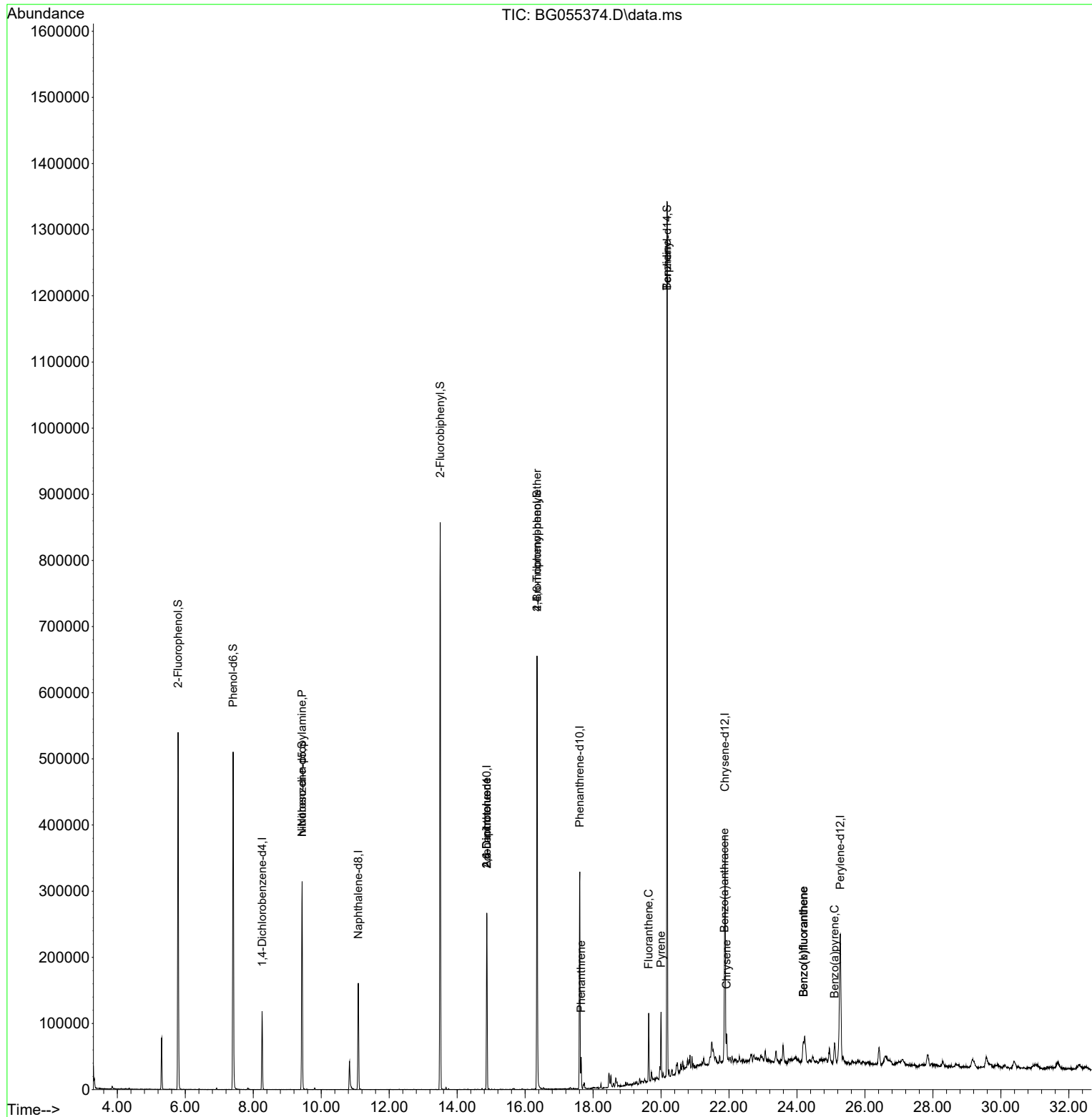
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	34879	20.000	ng	0.00
21) Naphthalene-d8	11.093	136	148551	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	97916	20.000	ng	0.00
64) Phenanthrene-d10	17.609	188	210401	20.000	ng	# 0.00
76) Chrysene-d12	21.881	240	199568	20.000	ng	# 0.00
86) Perylene-d12	25.277	264	217525	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	246832	123.913	ng	0.00
7) Phenol-d6	7.410	99	323617	112.137	ng	0.00
23) Nitrobenzene-d5	9.437	82	197442	67.869	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	143561	134.871	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	460870	77.039	ng	0.00
79) Terphenyl-d14	20.183	244	683848	71.195	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.437	70	26019	10.857	ng	# 77
51) 2,6-Dinitrotoluene	14.871	165	13075	8.358	ng	# 19
57) 2,4-Dinitrotoluene	14.871	165	13075	5.759	ng	# 18
67) 4-Bromophenyl-phenylether	16.352	248	9059	4.432	ng	# 1
71) Phenanthrene	17.650	178	28092	2.504	ng	99
75) Fluoranthene	19.636	202	64116	4.904	ng	97
77) Benzidine	20.177	184	9744	2.017	ng	# 90
78) Pyrene	20.001	202	61436	4.491	ng	98
81) Benzo(a)anthracene	21.863	228	34464	2.572	ng	98
83) Chrysene	21.928	228	30307	2.381	ng	94
88) Benzo(b)fluoranthene	24.190	252	41451	3.168	ng	97
89) Benzo(k)fluoranthene	24.190	252	41451	3.137	ng	99
90) Benzo(a)pyrene	25.106	252	31406	2.799	ng	98

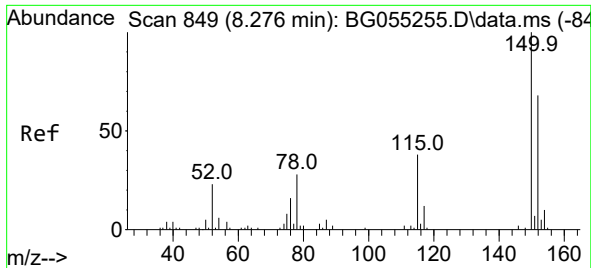
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
Data File : BG055374.D
Acq On : 29 Oct 2022 20:53
Operator : CG/JU
Sample : N5313-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

Quant Time: Oct 31 02:45:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
Response via : Initial Calibration

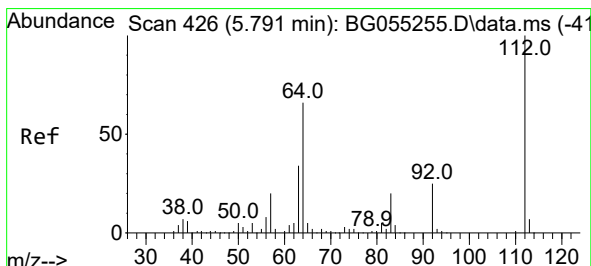
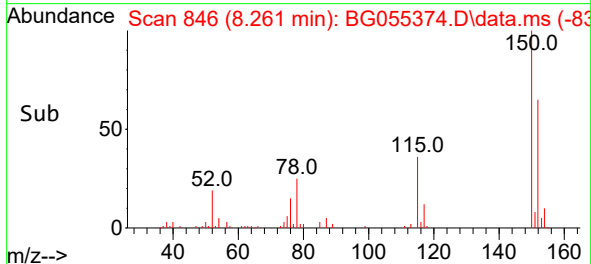
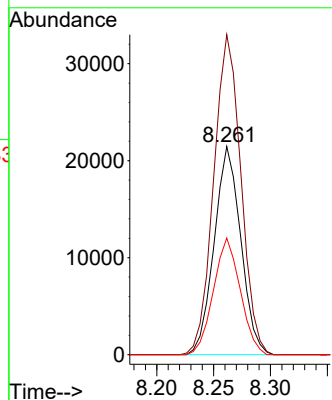
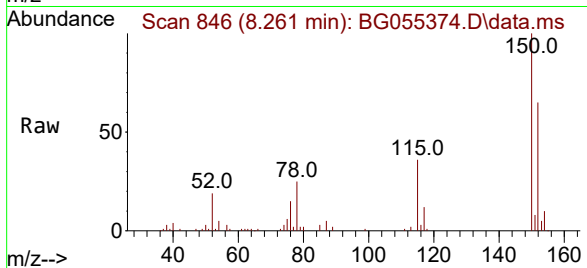




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.261 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

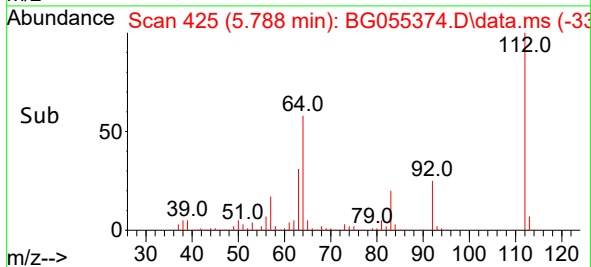
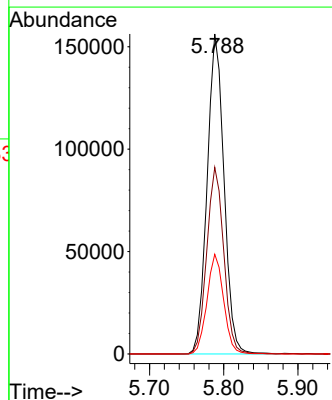
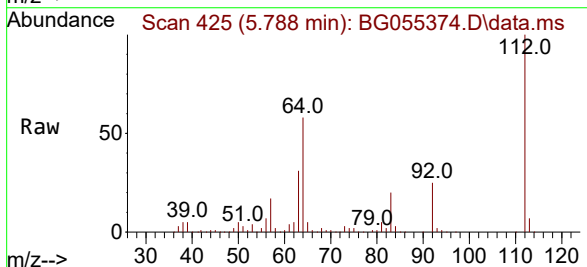
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

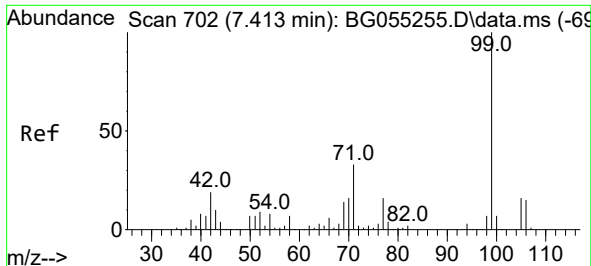
Tgt Ion:152 Resp: 34879
Ion Ratio Lower Upper
152 100
150 153.7 118.2 177.4
115 56.0 44.5 66.7



#5
2-Fluorophenol
Concen: 123.913 ng
RT: 5.788 min Scan# 425
Delta R.T. 0.003 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion:112 Resp: 246832
Ion Ratio Lower Upper
112 100
64 58.3 52.6 78.8
63 31.2 27.1 40.7

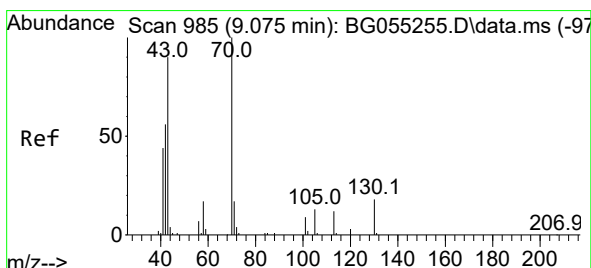
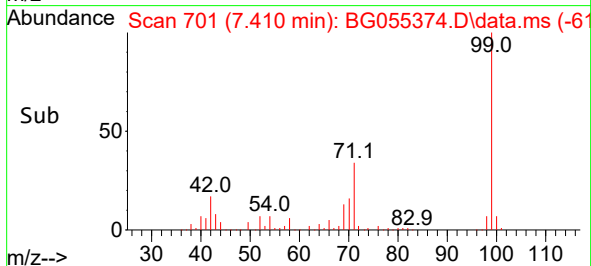
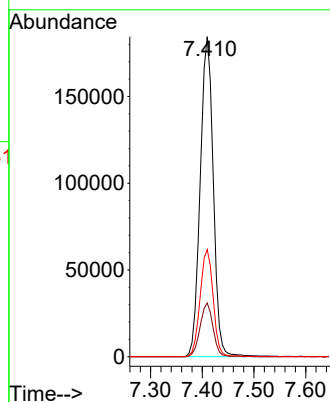
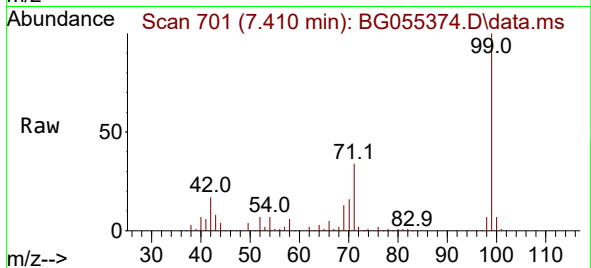




#7
Phenol-d6
Concen: 112.137 ng
RT: 7.410 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

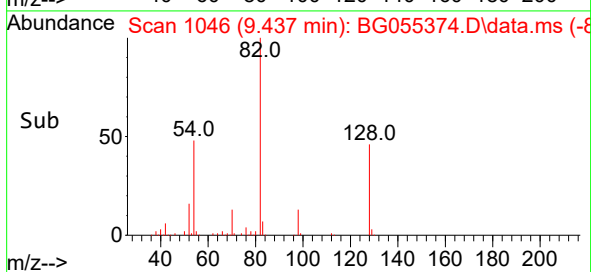
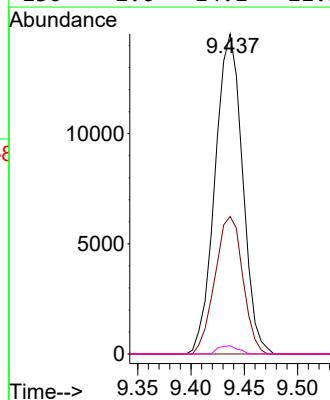
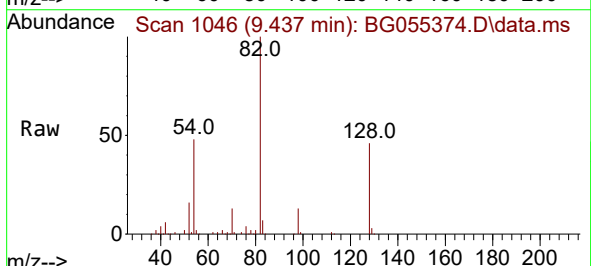
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

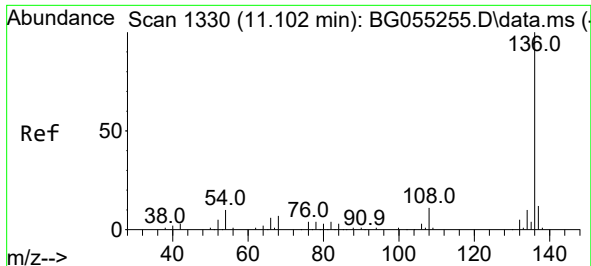
Tgt Ion: 99 Resp: 323617
Ion Ratio Lower Upper
99 100
42 16.8 15.2 22.8
71 33.5 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.857 ng
RT: 9.437 min Scan# 1046
Delta R.T. 0.367 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion: 70 Resp: 26019
Ion Ratio Lower Upper
70 100
42 42.9 45.8 68.6#
101 0.0 7.4 11.0#
130 2.6 14.1 21.1#

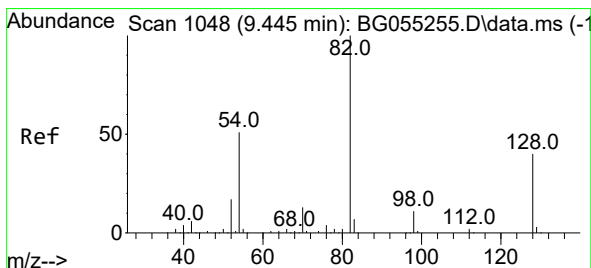
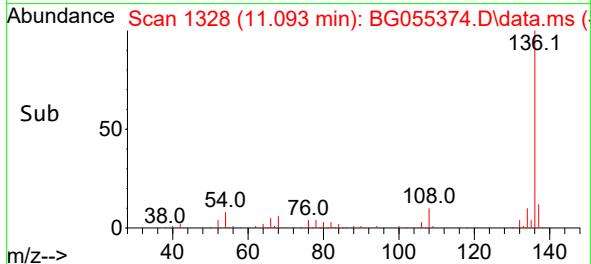
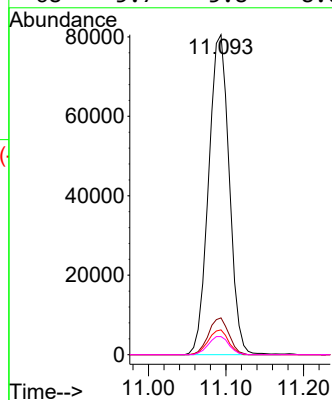
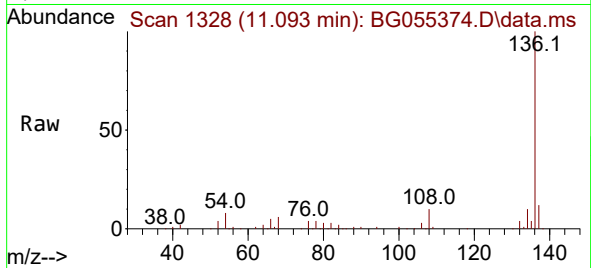




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

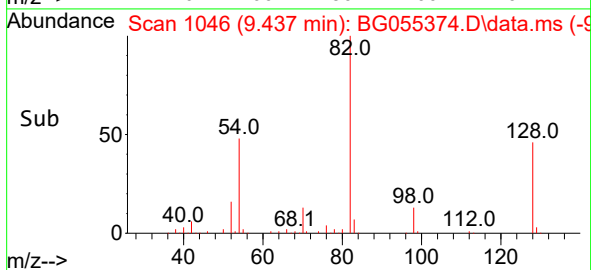
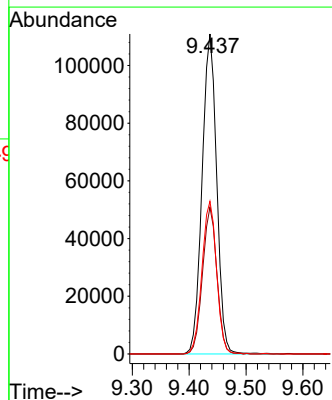
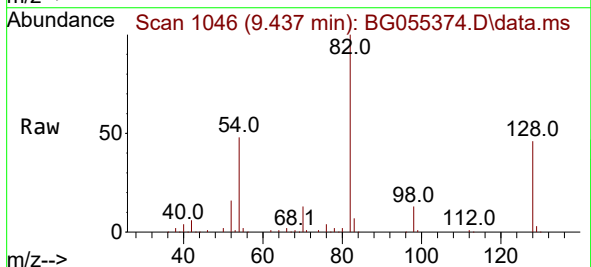
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

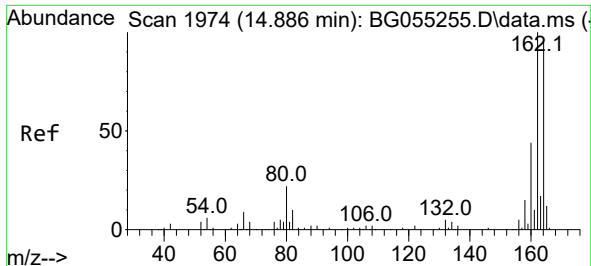
Tgt Ion:136 Resp: 148551
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.8 7.8 11.8#
68 5.7 5.8 8.6#



#23
Nitrobenzene-d5
Concen: 67.869 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.003 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion: 82 Resp: 197442
Ion Ratio Lower Upper
82 100
128 45.8 32.0 48.0
54 47.7 40.9 61.3

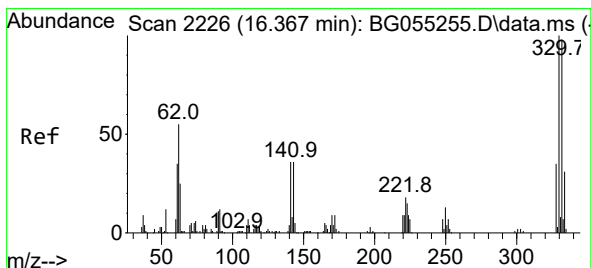
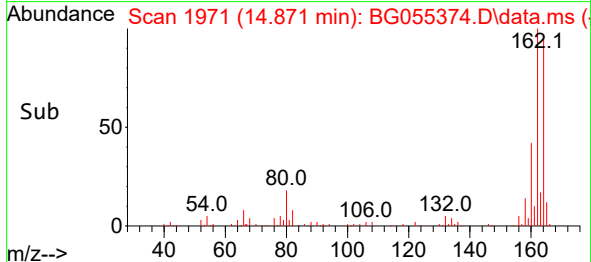
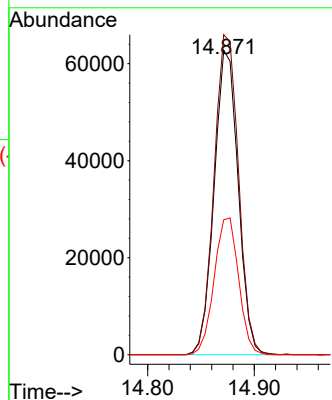
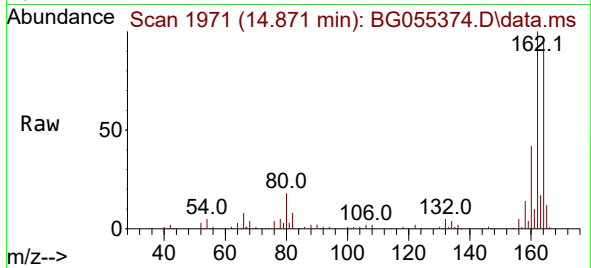




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

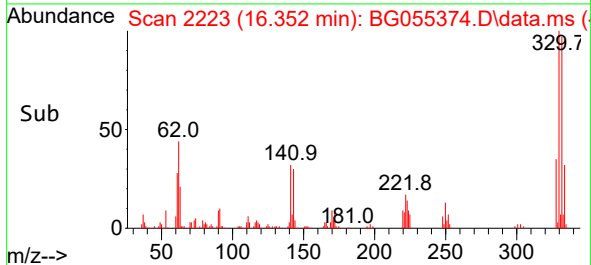
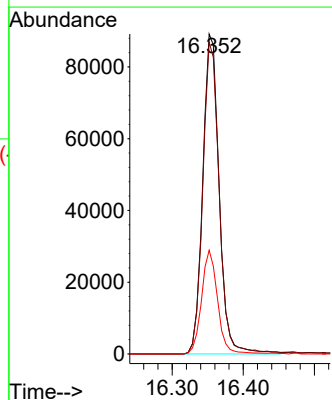
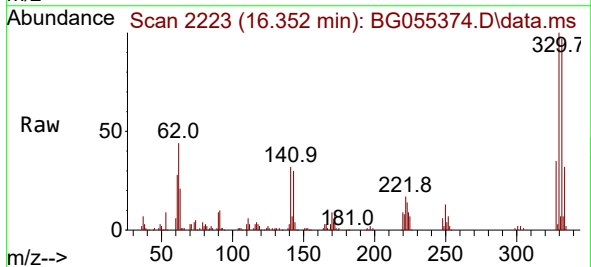
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

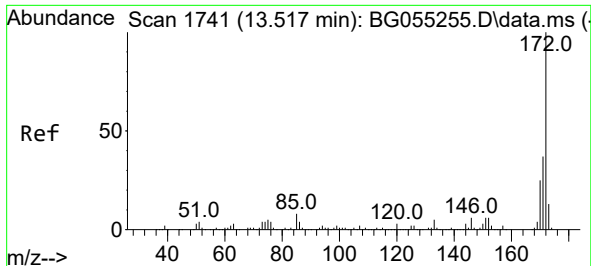
Tgt Ion:164 Resp: 97916
Ion Ratio Lower Upper
164 100
162 105.1 84.0 126.0
160 44.3 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 134.871 ng
RT: 16.352 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion:330 Resp: 143561
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 31.7 29.8 44.8

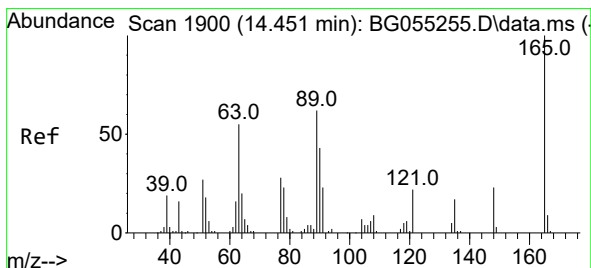
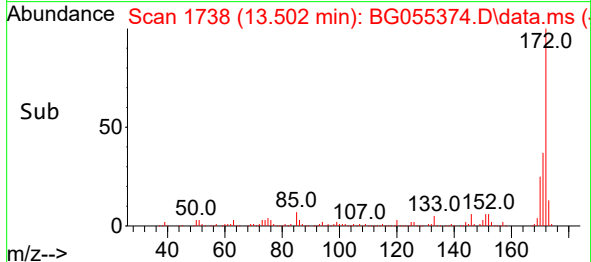
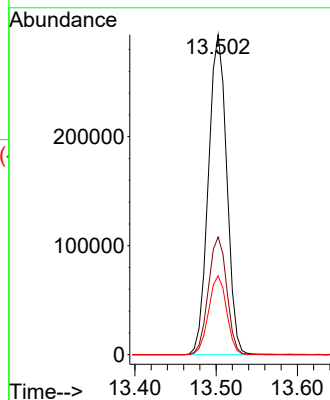
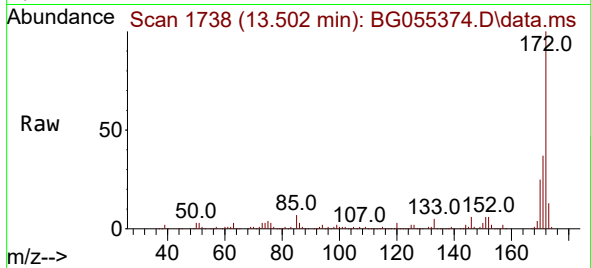




#45
2-Fluorobiphenyl
Concen: 77.039 ng
RT: 13.502 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

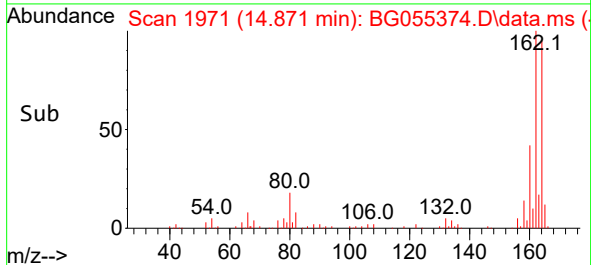
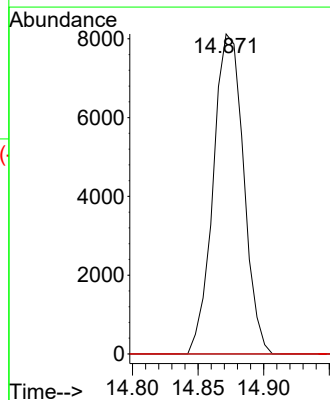
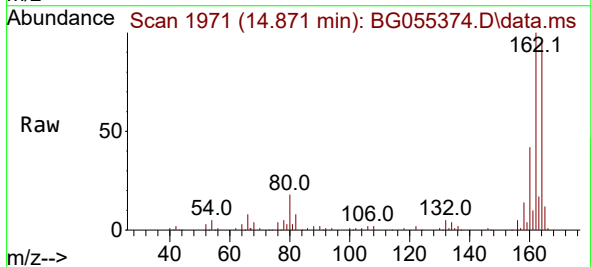
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

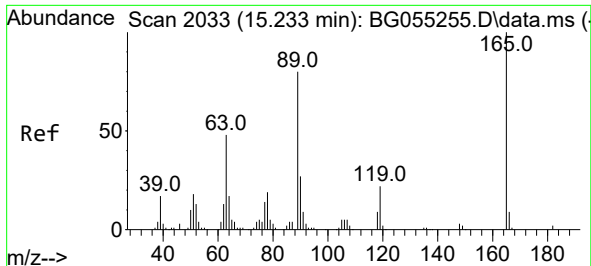
Tgt Ion:172 Resp: 460870
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.7 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.358 ng
RT: 14.871 min Scan# 1971
Delta R.T. 0.420 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion:165 Resp: 13075
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.759 ng

RT: 14.871 min Scan# 1971

Delta R.T. -0.362 min

Lab File: BG055374.D

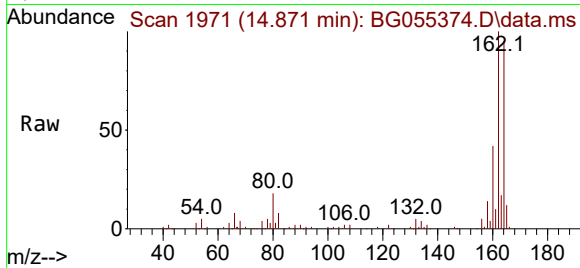
Acq: 29 Oct 2022 20:53

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SW-QUARTER



Tgt Ion:165 Resp: 13075

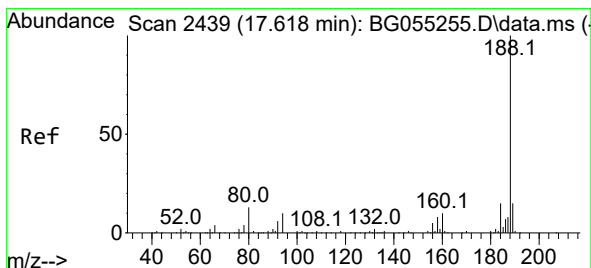
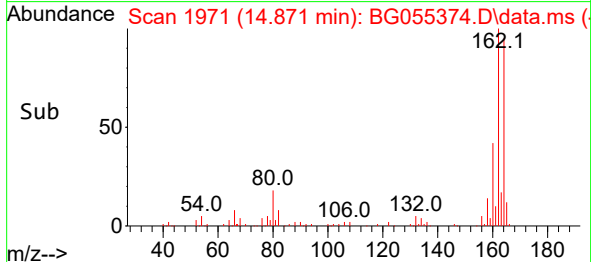
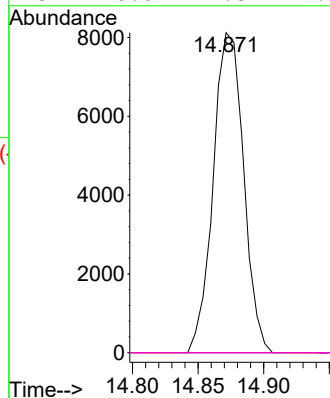
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.609 min Scan# 2437

Delta R.T. -0.003 min

Lab File: BG055374.D

Acq: 29 Oct 2022 20:53

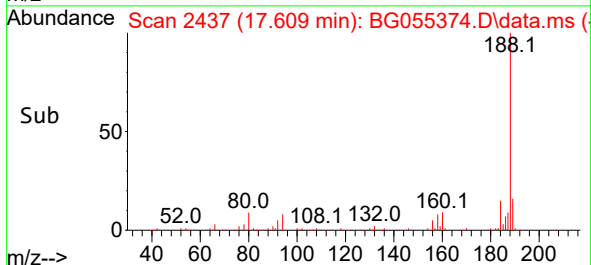
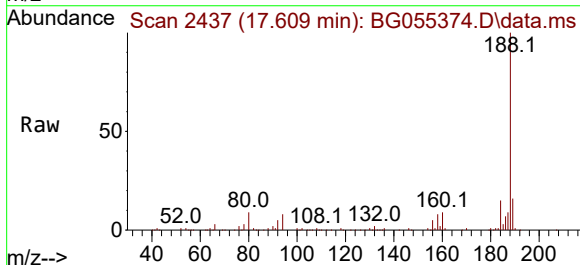
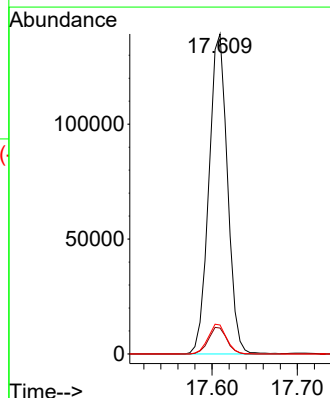
Tgt Ion:188 Resp: 210401

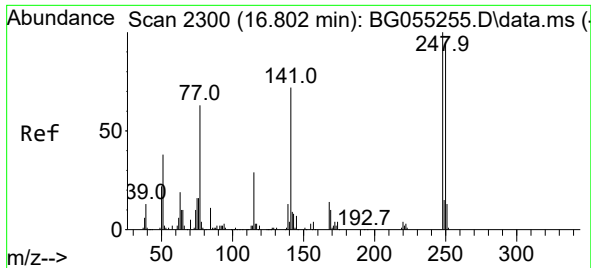
Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.4#

80 9.1 10.1 15.1#

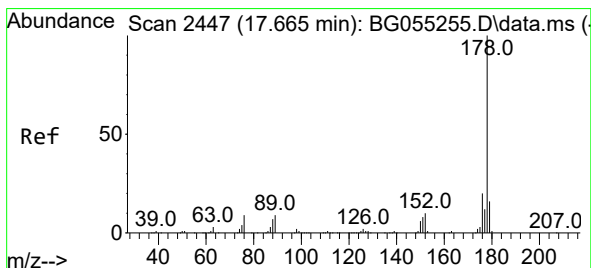
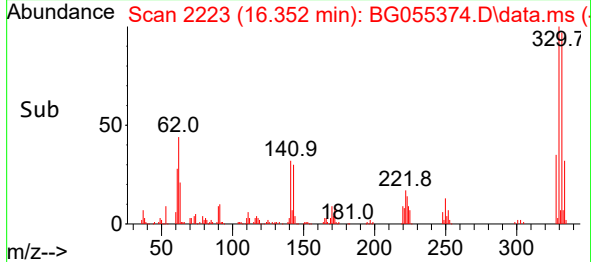
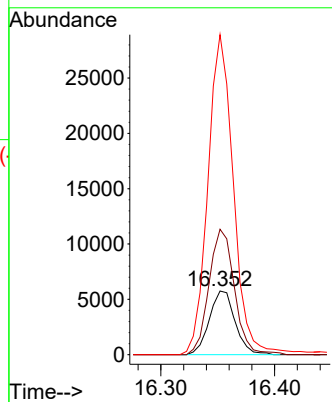
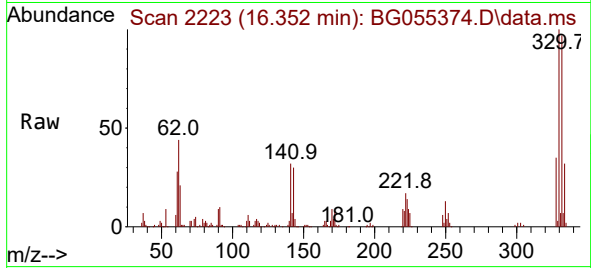




#67
4-Bromophenyl-phenylether
Concen: 4.432 ng
RT: 16.352 min Scan# 211
Delta R.T. -0.444 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

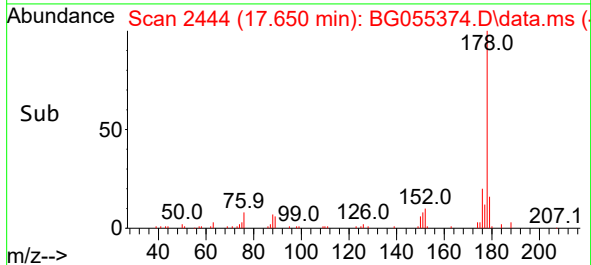
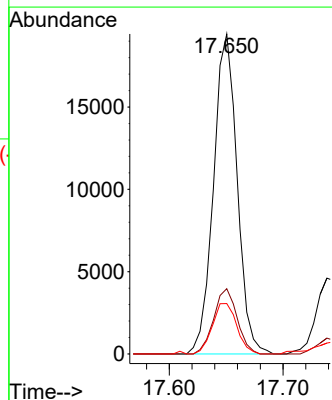
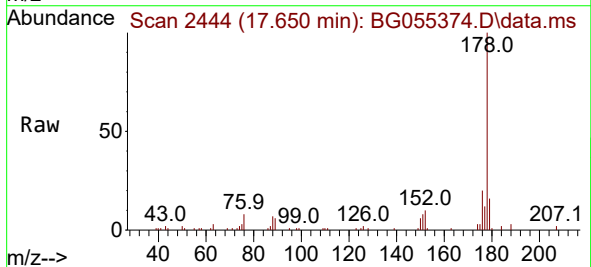
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

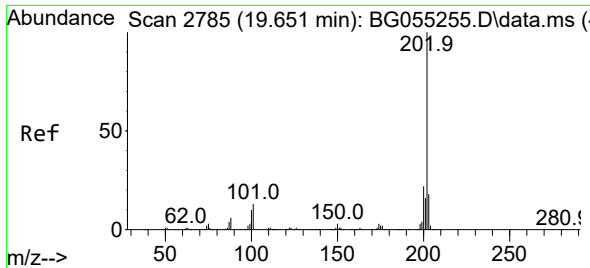
Tgt Ion:248 Resp: 9059
Ion Ratio Lower Upper
248 100
250 196.8 76.0 114.0#
141 501.9 58.0 87.0#



#71
Phenanthrene
Concen: 2.504 ng
RT: 17.650 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

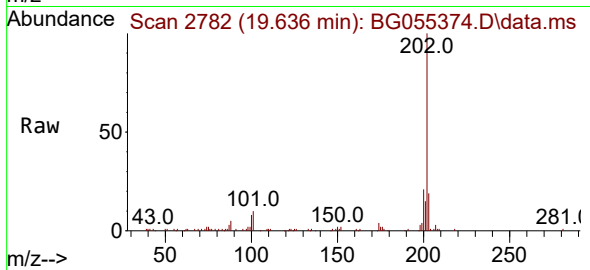
Tgt Ion:178 Resp: 28092
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 15.7 12.6 19.0



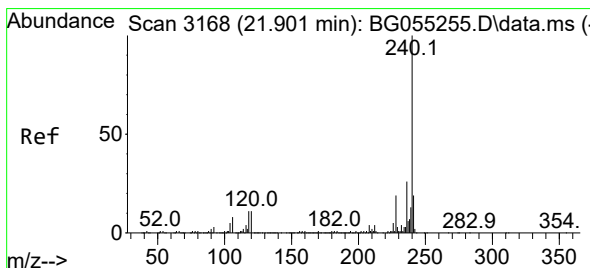
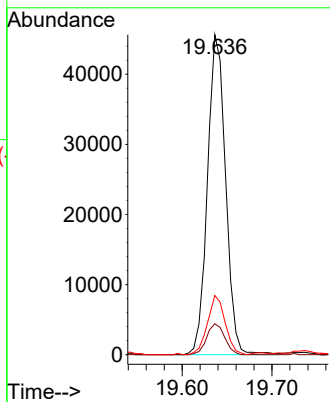
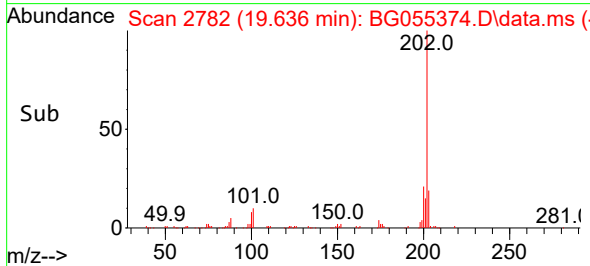


#75
Fluoranthene
Concen: 4.904 ng
RT: 19.636 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

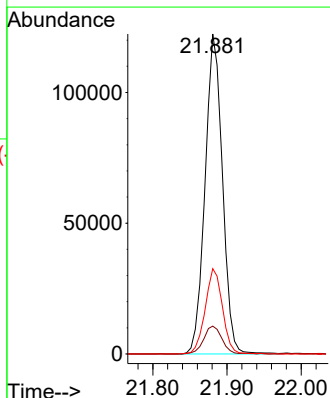
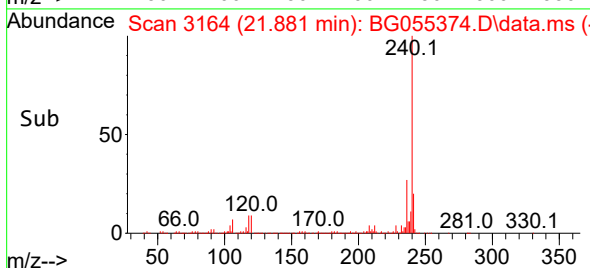
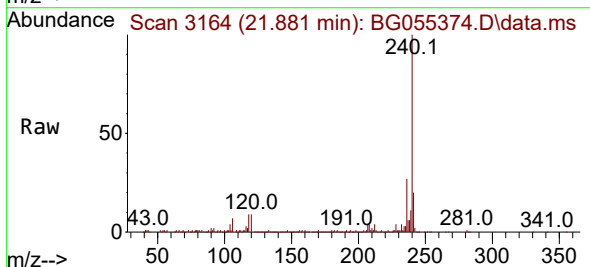


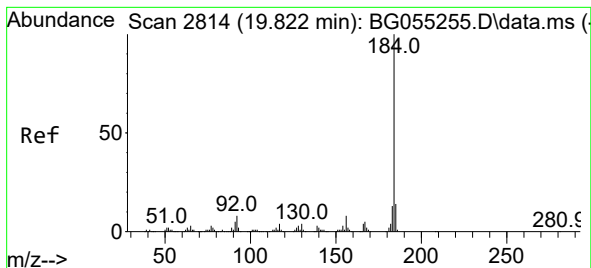
Tgt Ion:202 Resp: 64116
Ion Ratio Lower Upper
202 100
101 9.6 0.0 32.6
203 18.5 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.881 min Scan# 3164
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion:240 Resp: 199568
Ion Ratio Lower Upper
240 100
120 8.7 8.9 13.3#
236 26.6 21.0 31.4





#77

Benzidine

Concen: 2.017 ng

RT: 20.177 min Scan# 2814

Delta R.T. 0.361 min

Lab File: BG055374.D

Acq: 29 Oct 2022 20:53

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SW-QUARTER

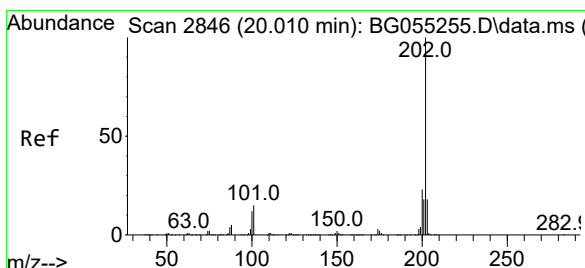
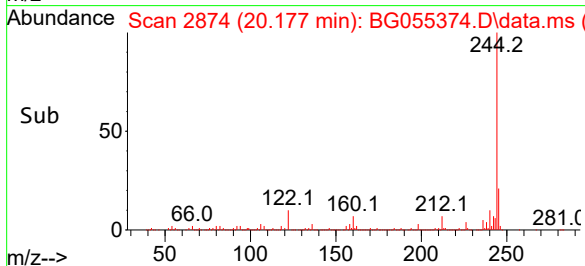
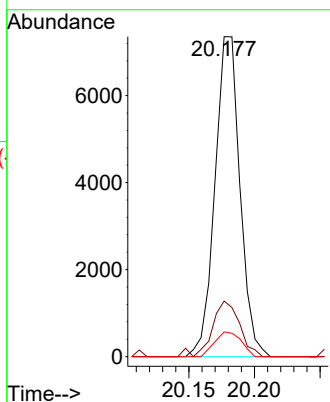
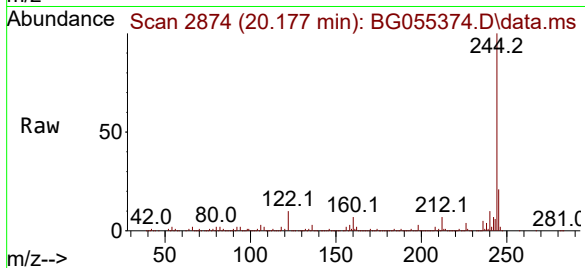
Tgt Ion:184 Resp: 9744

Ion Ratio Lower Upper

184 100

185 17.4 11.0 16.6#

183 7.8 10.0 15.0#



#78

Pyrene

Concen: 4.491 ng

RT: 20.001 min Scan# 2844

Delta R.T. -0.003 min

Lab File: BG055374.D

Acq: 29 Oct 2022 20:53

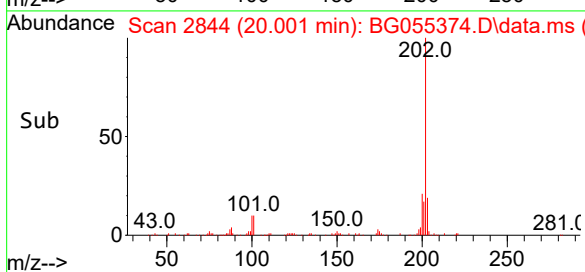
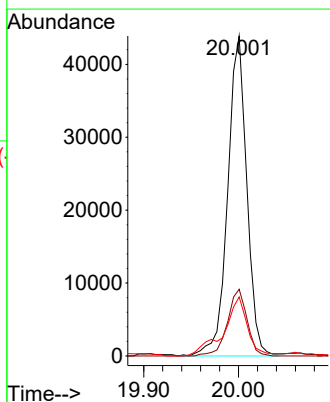
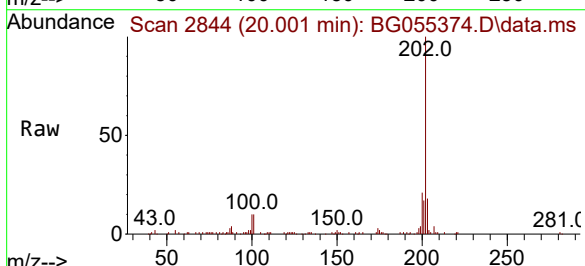
Tgt Ion:202 Resp: 61436

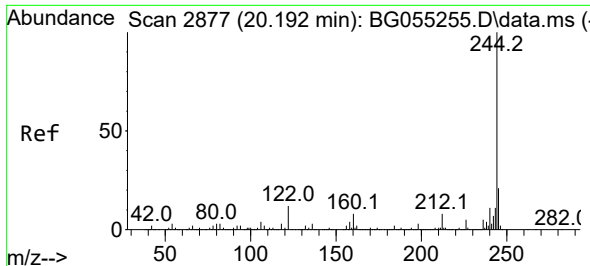
Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

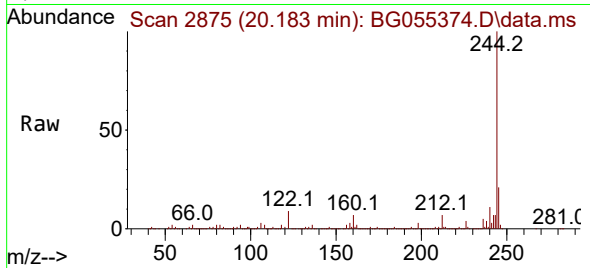
203 18.4 14.3 21.5



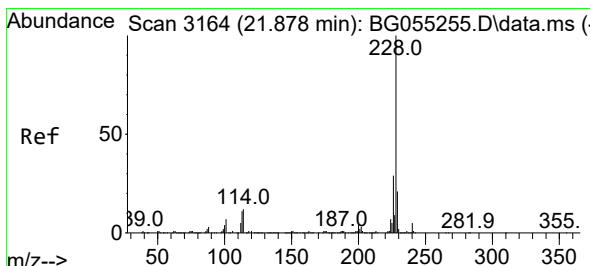
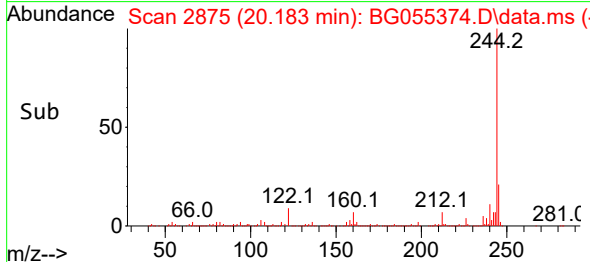
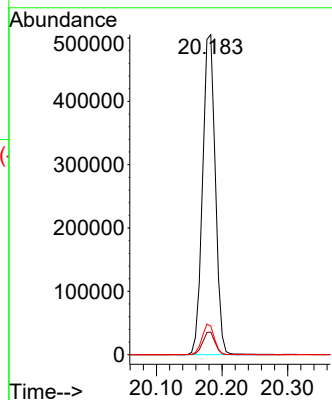


#79
 Terphenyl-d14
 Concen: 71.195 ng
 RT: 20.183 min Scan# 2183
 Delta R.T. -0.003 min
 Lab File: BG055374.D
 Acq: 29 Oct 2022 20:53

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-SW-QUARTER

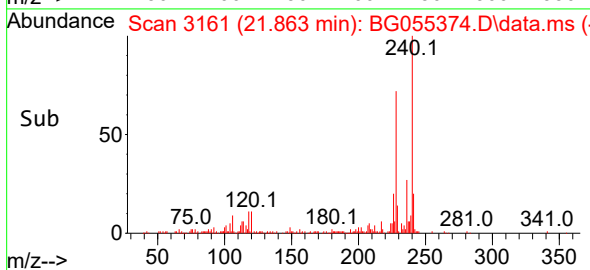
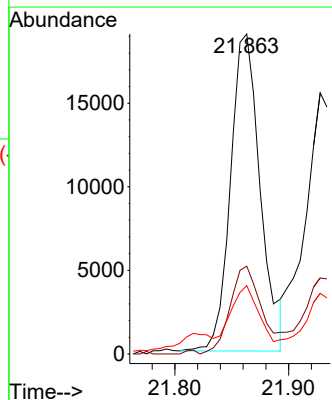
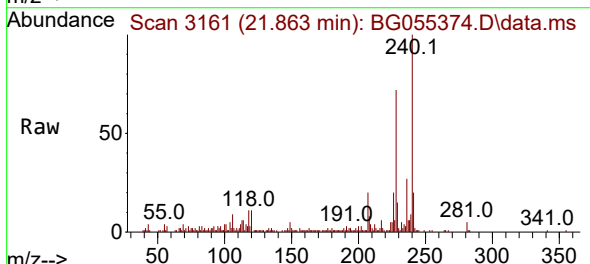


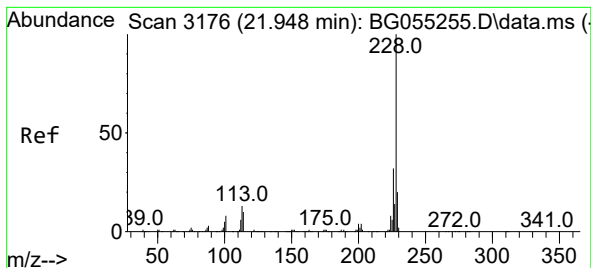
Tgt Ion:244 Resp: 683848
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 9.6 14.4#



#81
 Benzo(a)anthracene
 Concen: 2.572 ng
 RT: 21.863 min Scan# 3161
 Delta R.T. -0.009 min
 Lab File: BG055374.D
 Acq: 29 Oct 2022 20:53

Tgt Ion:228 Resp: 34464
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.9 34.3
 229 21.3 16.7 25.1





#83

Chrysene

Concen: 2.381 ng

RT: 21.928 min Scan# 3176

Delta R.T. -0.015 min

Lab File: BG055374.D

Acq: 29 Oct 2022 20:53

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SW-QUARTER

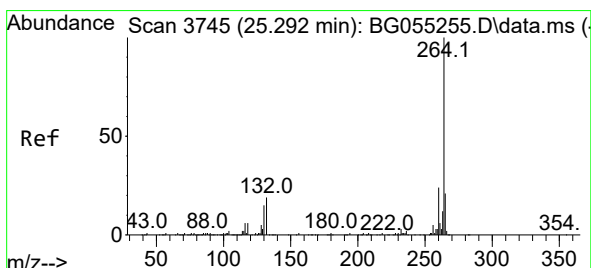
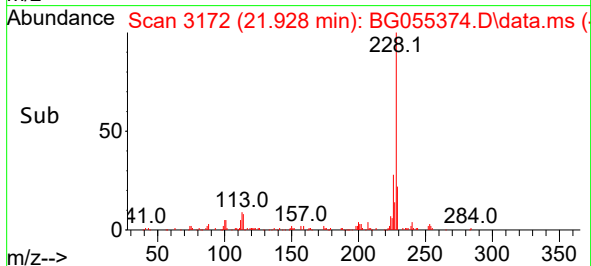
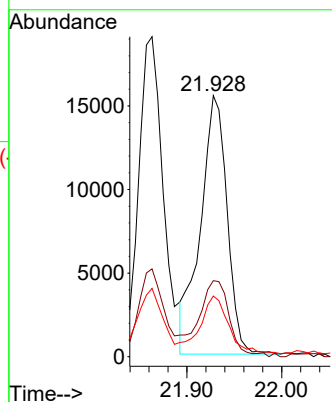
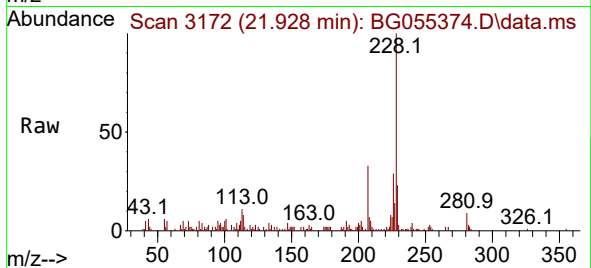
Tgt Ion:228 Resp: 30307

Ion Ratio Lower Upper

228 100

226 29.1 25.8 38.8

229 23.2 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.277 min Scan# 3742

Delta R.T. -0.009 min

Lab File: BG055374.D

Acq: 29 Oct 2022 20:53

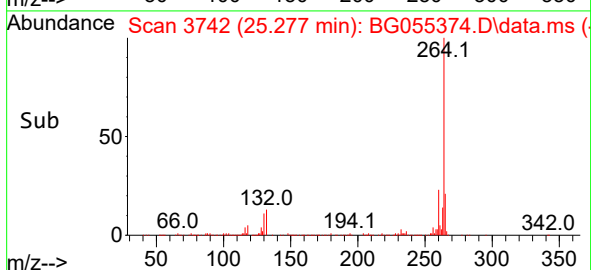
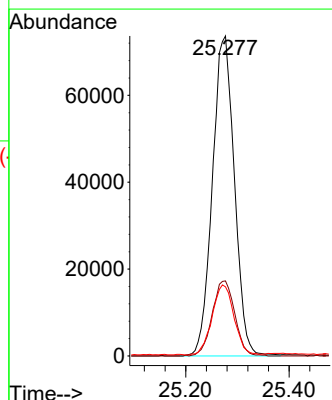
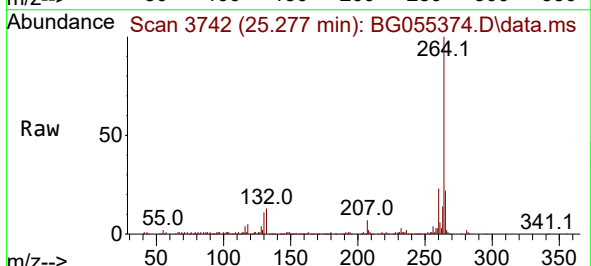
Tgt Ion:264 Resp: 217525

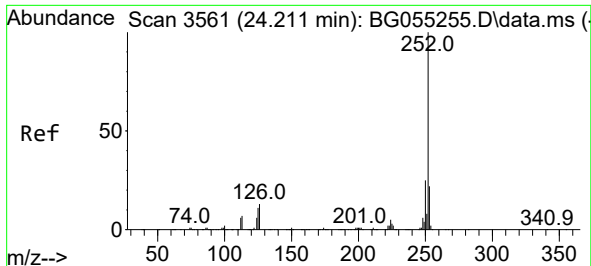
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.6 17.4 26.2

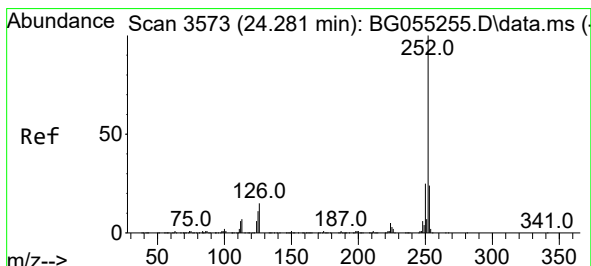
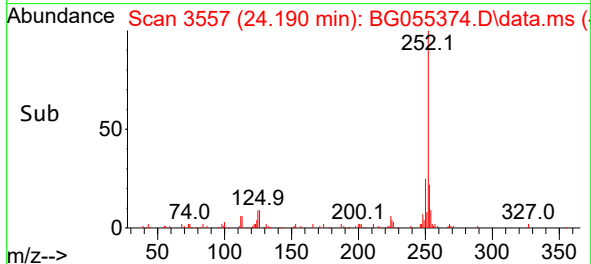
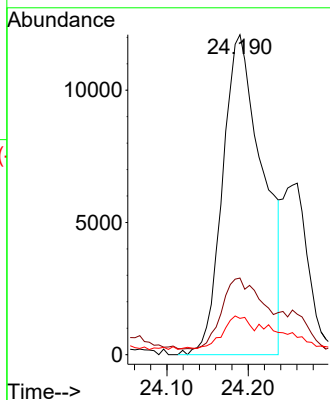
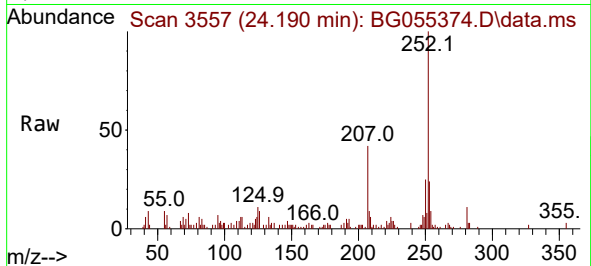




#88
Benzo(b)fluoranthene
Concen: 3.168 ng
RT: 24.190 min Scan# 3557
Delta R.T. -0.009 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

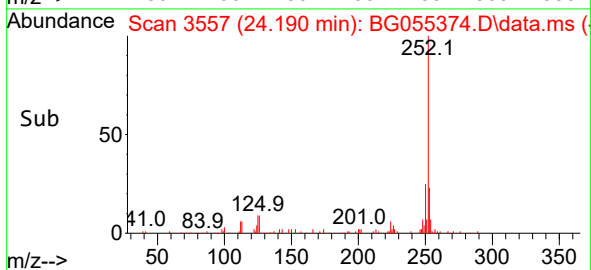
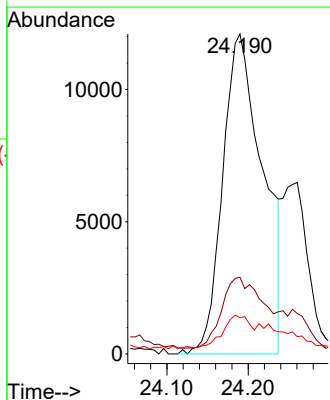
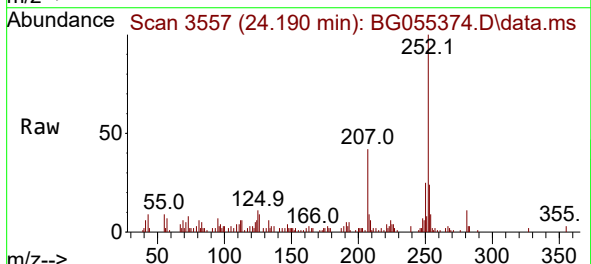
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

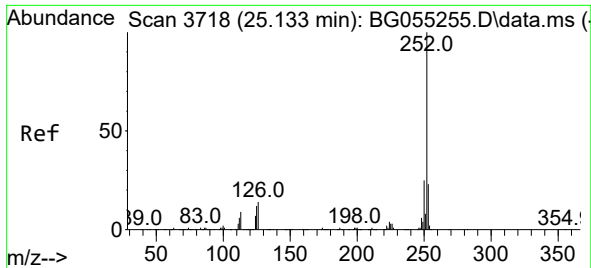
Tgt Ion:252 Resp: 41451
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 11.4 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 3.137 ng
RT: 24.190 min Scan# 3557
Delta R.T. -0.086 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Tgt Ion:252 Resp: 41451
Ion Ratio Lower Upper
252 100
253 24.0 18.6 27.8
125 11.4 9.1 13.7





#90
Benzo(a)pyrene
Concen: 2.799 ng
RT: 25.106 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG055374.D
Acq: 29 Oct 2022 20:53

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SW-QUARTER

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	10.9	9.8	14.8

