

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
 Data File : BG055303.D
 Acq On : 26 Oct 2022 17:44
 Operator : CG/JU
 Sample : N5265-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Quant Time: Oct 27 10:38:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

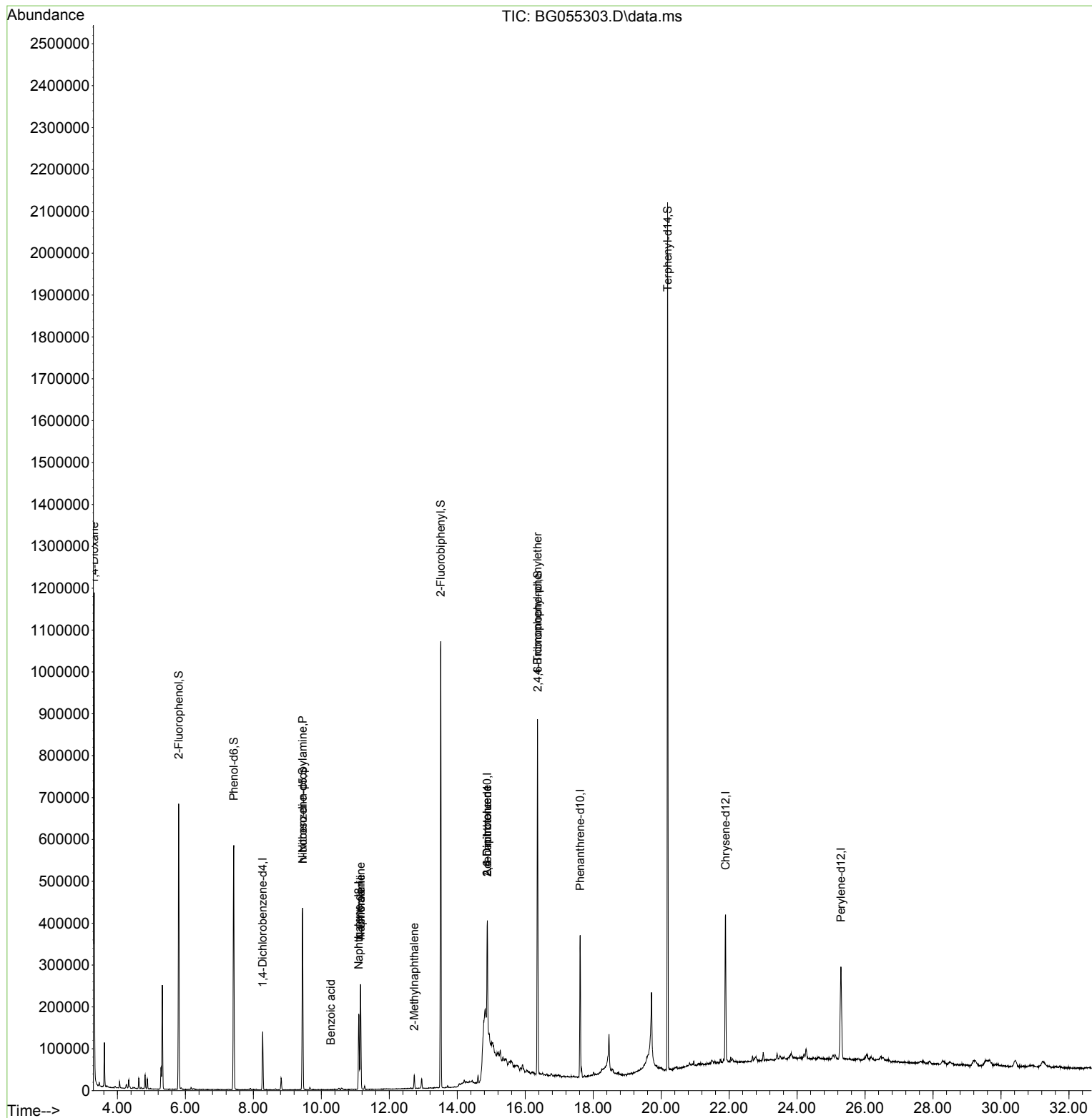
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	39152	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	155259	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	90492	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	209588	20.000	ng	0.00
76) Chrysene-d12	21.895	240	221956	20.000	ng	0.00
86) Perylene-d12	25.291	264	232001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	297836	133.199	ng	0.01
7) Phenol-d6	7.424	99	357210	110.268	ng	0.01
23) Nitrobenzene-d5	9.451	82	275394	90.575	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	163934	166.646	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	551828	99.811	ng	0.00
79) Terphenyl-d14	20.192	244	984570	92.164	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	7467	6.916	ng	# 1
19) n-Nitroso-di-n-propyla...	9.451	70	36363	13.517	ng	# 79
31) Naphthalene	11.155	128	208714	25.199	ng	100
32) Benzoic acid	10.280	122	58	4.174	ng	# 1
33) 4-Chloroaniline	11.155	127	31680	8.947	ng	# 36
37) 2-Methylnaphthalene	12.736	142	14445	2.419	ng	97
51) 2,6-Dinitrotoluene	14.886	165	12020	8.314	ng	# 19
57) 2,4-Dinitrotoluene	14.886	165	12020	5.729	ng	# 18
67) 4-Bromophenyl-phenylether	16.361	248	10731	5.270	ng	# 1

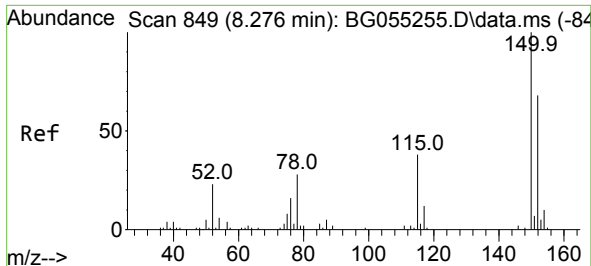
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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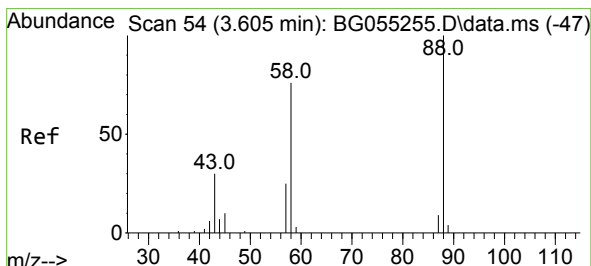
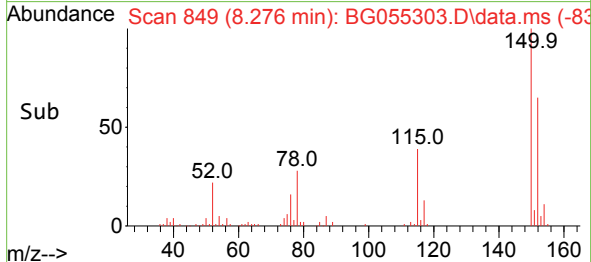
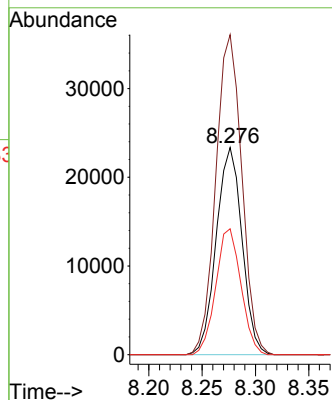
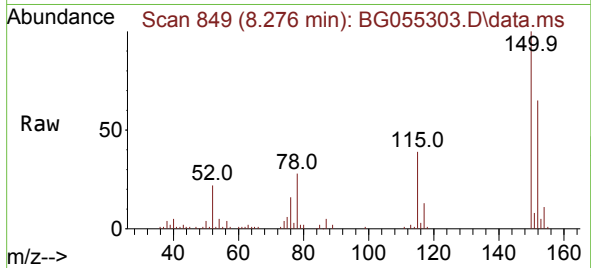




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

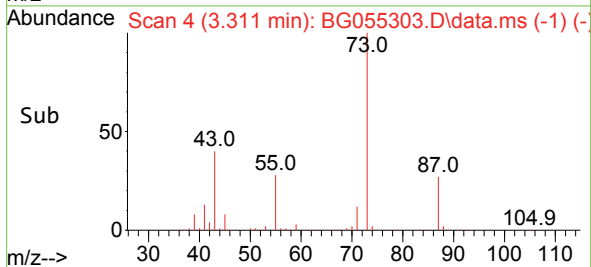
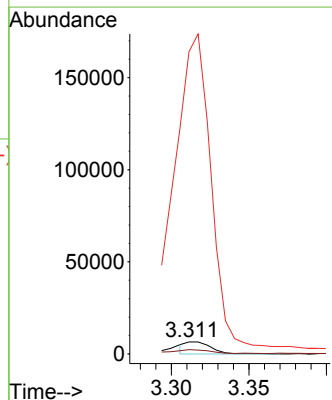
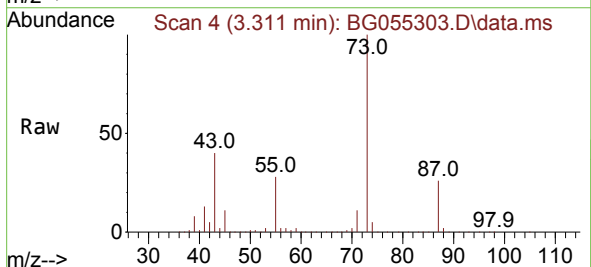
Instrument :
BNA_G
ClientSampleId :
72-11976

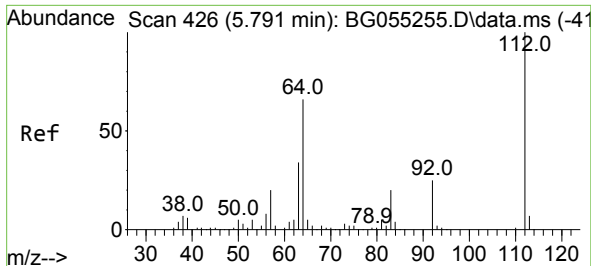
Tgt Ion:152 Resp: 39152
Ion Ratio Lower Upper
152 100
150 154.5 118.2 177.4
115 60.8 44.5 66.7



#2
1,4-Dioxane
Concen: 6.916 ng
RT: 3.311 min Scan# 4
Delta R.T. -0.294 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

Tgt Ion: 88 Resp: 7467
Ion Ratio Lower Upper
88 100
58 30.2 61.0 91.6#
43 2604.9 21.5 32.3#

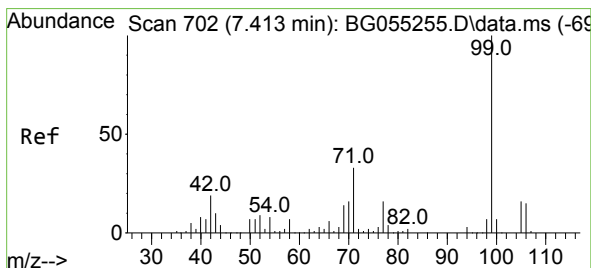
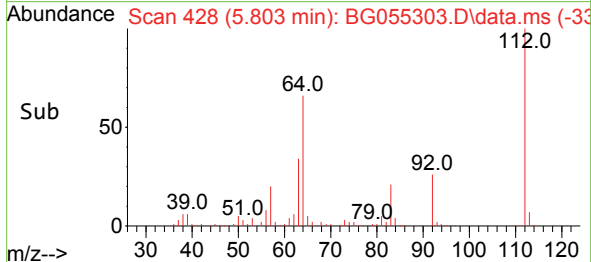
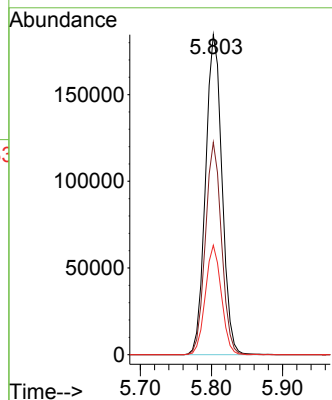
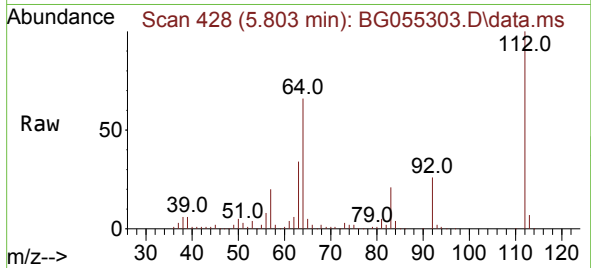




#5
2-Fluorophenol
Concen: 133.199 ng
RT: 5.803 min Scan# 41
Delta R.T. 0.012 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

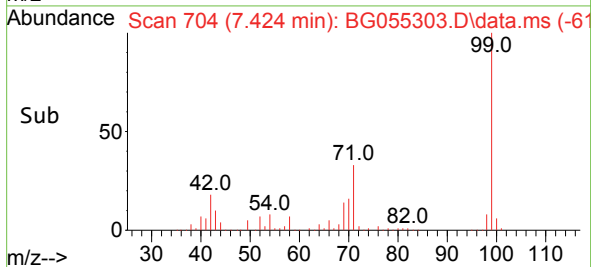
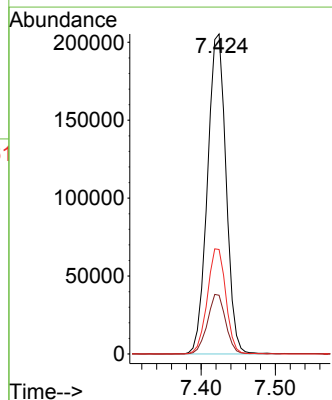
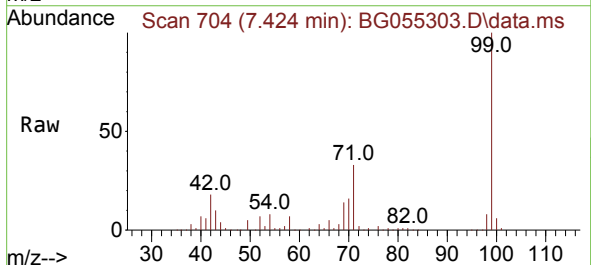
Instrument :
BNA_G
ClientSampleId :
72-11976

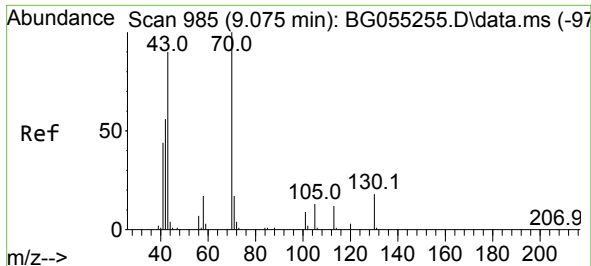
Tgt Ion:112 Resp: 297836
Ion Ratio Lower Upper
112 100
64 66.3 52.6 78.8
63 34.2 27.1 40.7



#7
Phenol-d6
Concen: 110.268 ng
RT: 7.424 min Scan# 704
Delta R.T. 0.012 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

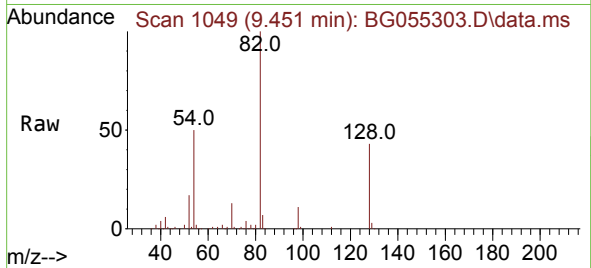
Tgt Ion: 99 Resp: 357210
Ion Ratio Lower Upper
99 100
42 18.3 15.2 22.8
71 32.7 26.2 39.4



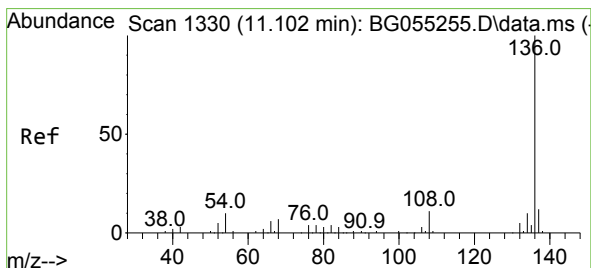
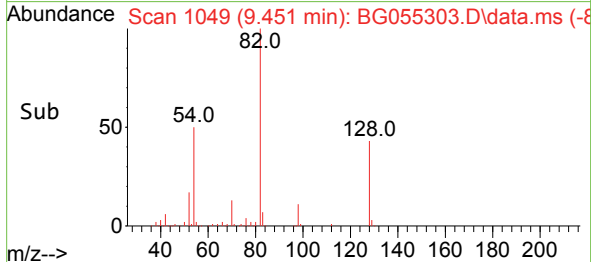
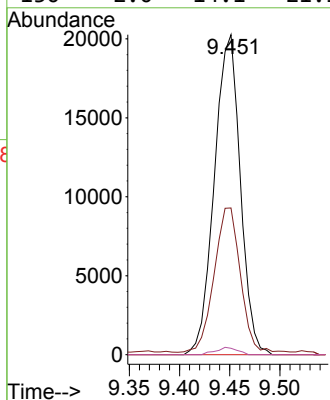


#19
n-Nitroso-di-n-propylamine
Concen: 13.517 ng
RT: 9.451 min Scan# 1049
Delta R.T. 0.376 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

Instrument :
BNA_G
ClientSampleId :
72-11976

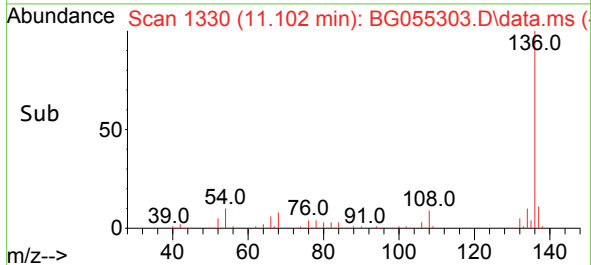
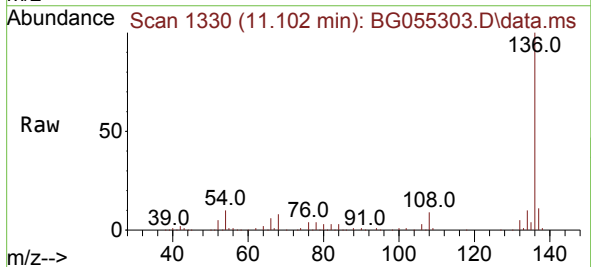
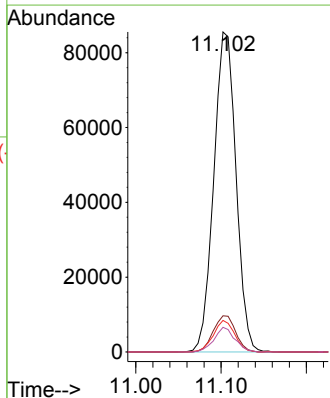


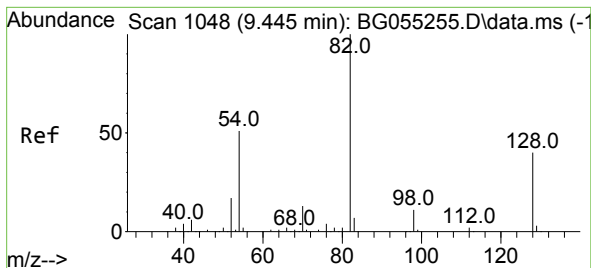
Tgt Ion: 70 Resp: 36363
Ion Ratio Lower Upper
70 100
42 45.9 45.8 68.6
101 0.0 7.4 11.0#
130 2.0 14.1 21.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

Tgt Ion: 136 Resp: 155259
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 9.8 7.8 11.8
68 7.7 5.8 8.6





#23

Nitrobenzene-d5

Concen: 90.575 ng

RT: 9.451 min Scan# 1049

Delta R.T. 0.006 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

Instrument :

BNA_G

ClientSampleId :

72-11976

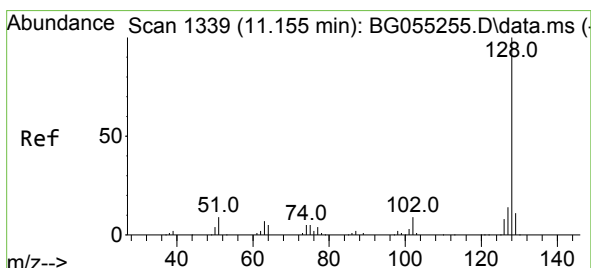
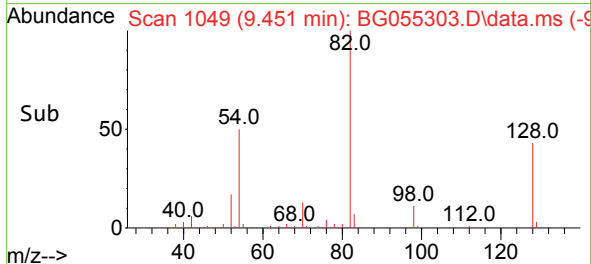
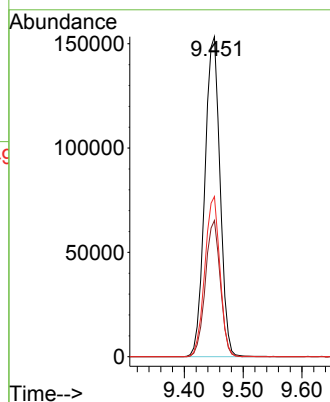
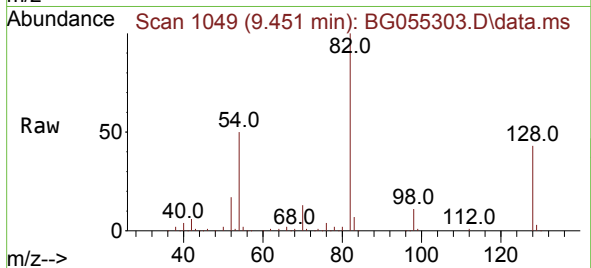
Tgt Ion: 82 Resp: 275394

Ion Ratio Lower Upper

82 100

128 42.5 32.0 48.0

54 50.0 40.9 61.3



#31

Naphthalene

Concen: 25.199 ng

RT: 11.155 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

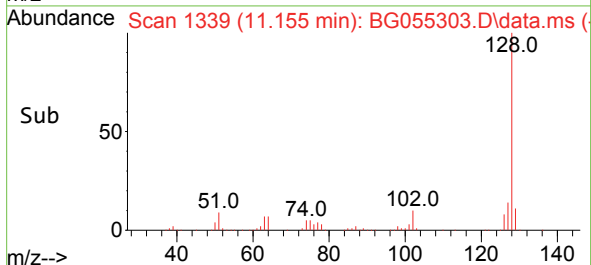
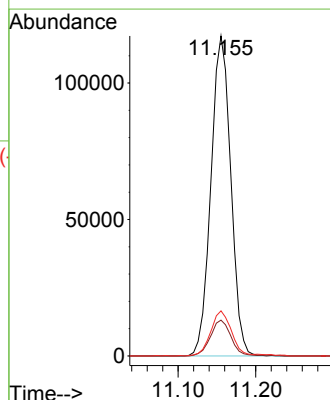
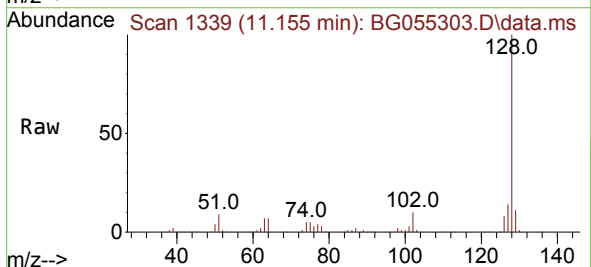
Tgt Ion:128 Resp: 208714

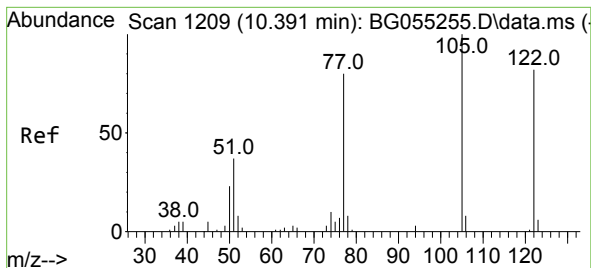
Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 14.1 11.1 16.7





#32

Benzoic acid

Concen: 4.174 ng

RT: 10.280 min Scan# 1190

Delta R.T. -0.111 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

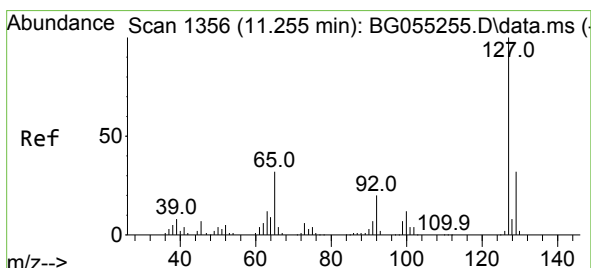
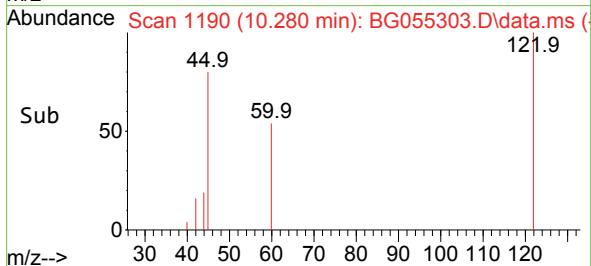
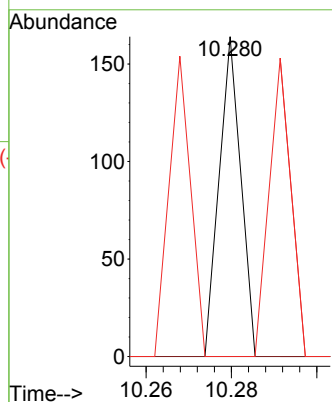
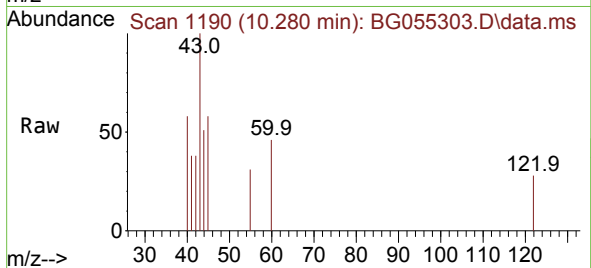
Instrument :

BNA_G

ClientSampleId :

72-11976

Tgt Ion:122	Resp:	58
Ion	Ratio	Lower Upper
122	100	
105	0.0	101.3 141.3#
77	0.0	76.9 116.9#



#33

4-Chloroaniline

Concen: 8.947 ng

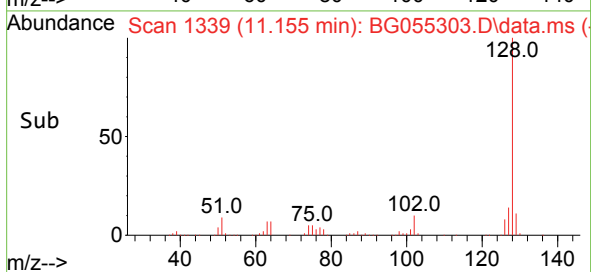
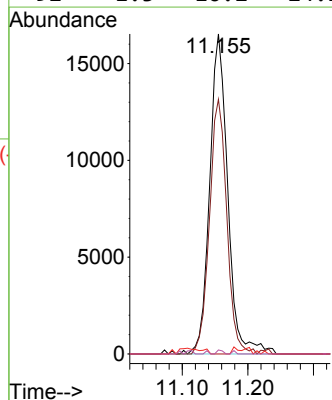
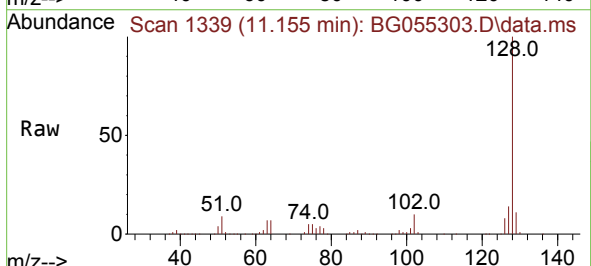
RT: 11.155 min Scan# 1339

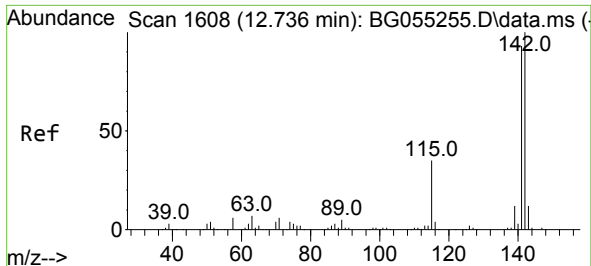
Delta R.T. -0.100 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

Tgt Ion:127	Resp:	31680
Ion	Ratio	Lower Upper
127	100	
129	79.6	25.4 38.0#
65	0.0	25.5 38.3#
92	1.3	16.2 24.2#

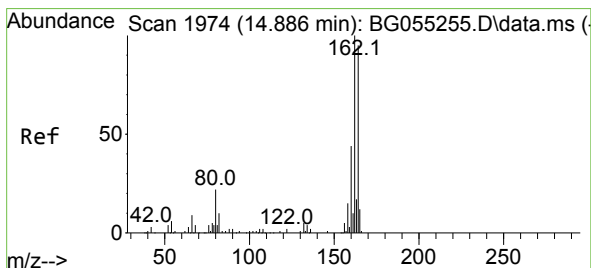
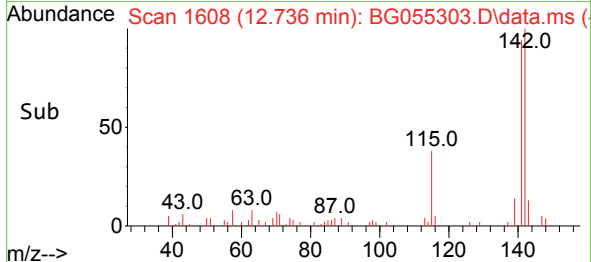
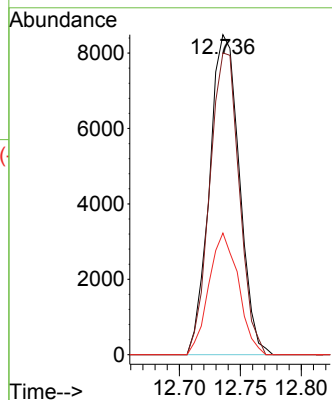
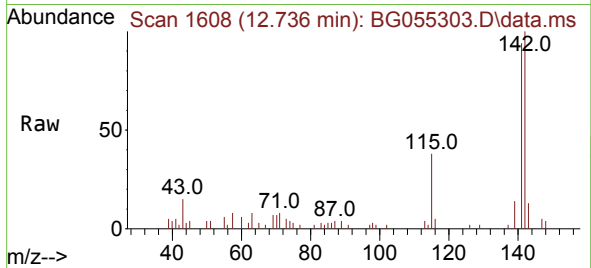




#37
2-Methylnaphthalene
Concen: 2.419 ng
RT: 12.736 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

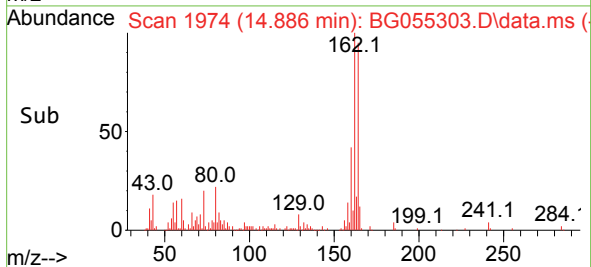
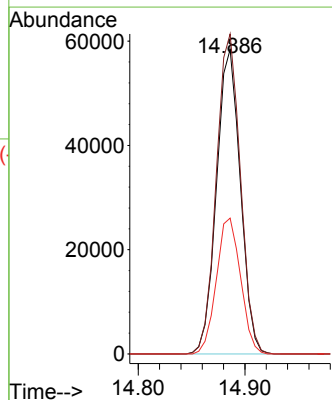
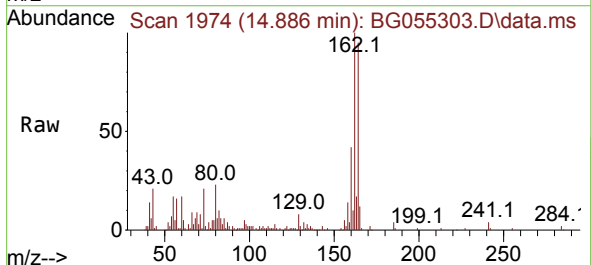
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72-11976

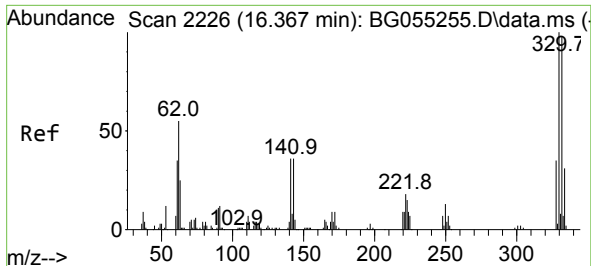
Tgt Ion:142 Resp: 14445
Ion Ratio Lower Upper
142 100
141 94.3 74.0 111.0
115 38.0 28.3 42.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

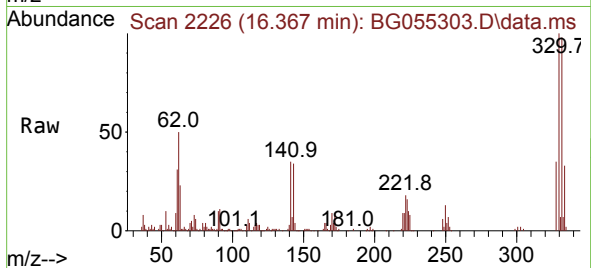
Tgt Ion:164 Resp: 90492
Ion Ratio Lower Upper
164 100
162 105.0 84.0 126.0
160 44.6 36.7 55.1



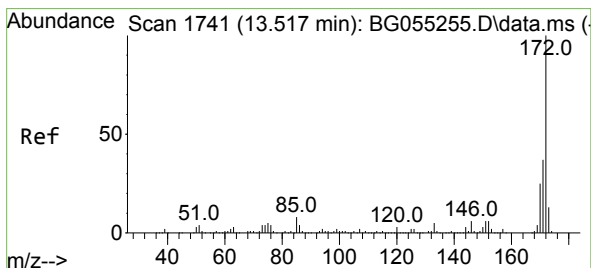
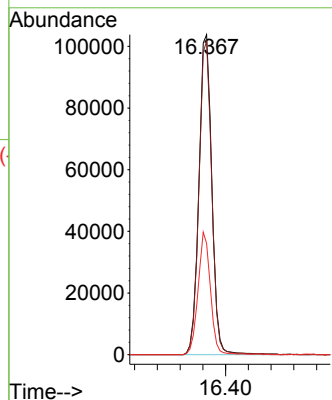
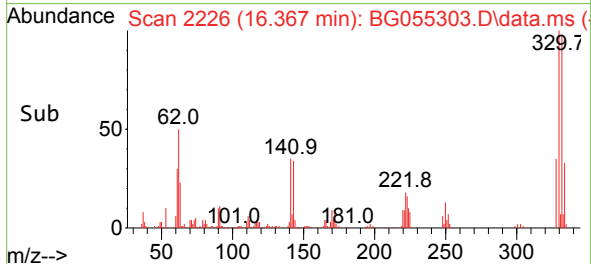


#42
2,4,6-Tribromophenol
Concen: 166.646 ng
RT: 16.367 min Scan# 211
Delta R.T. -0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

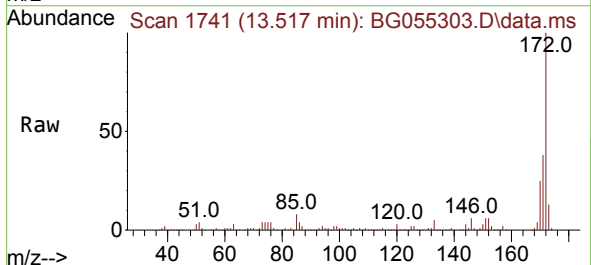
Instrument :
BNA_G
ClientSampleId :
72-11976



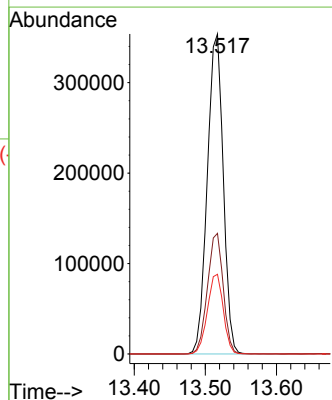
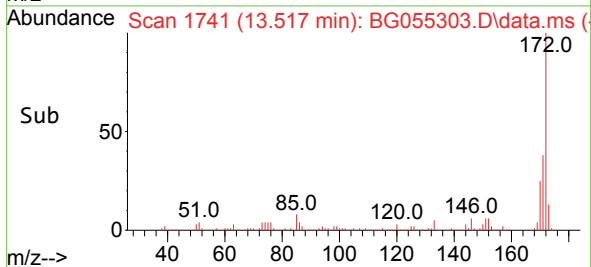
Tgt Ion:330 Resp: 163934
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 36.7 29.8 44.8

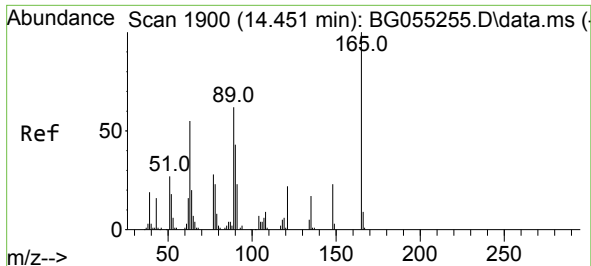


#45
2-Fluorobiphenyl
Concen: 99.811 ng
RT: 13.517 min Scan# 1741
Delta R.T. -0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44



Tgt Ion:172 Resp: 551828
Ion Ratio Lower Upper
172 100
171 37.7 29.7 44.5
170 24.9 20.2 30.2

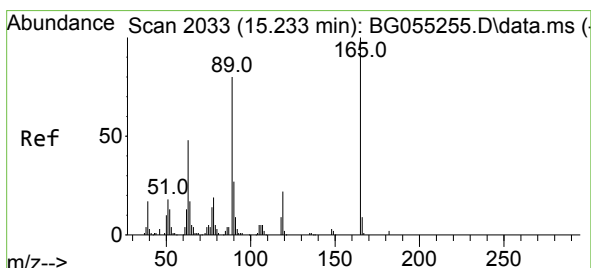
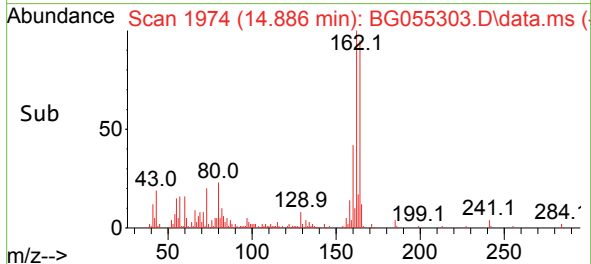
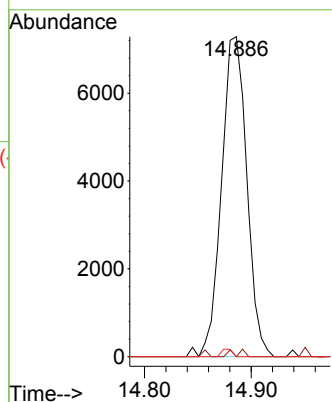
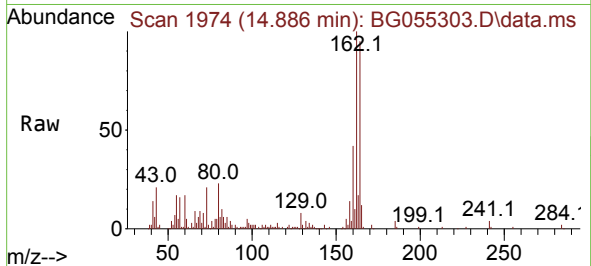




#51
2,6-Dinitrotoluene
Concen: 8.314 ng
RT: 14.886 min Scan# 1900
Delta R.T. 0.435 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

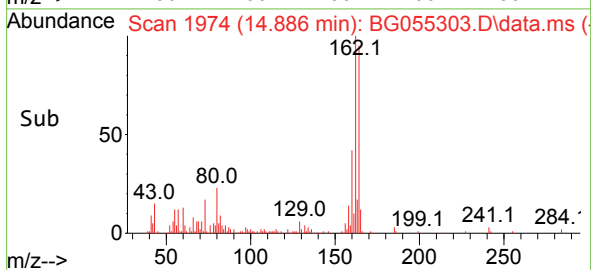
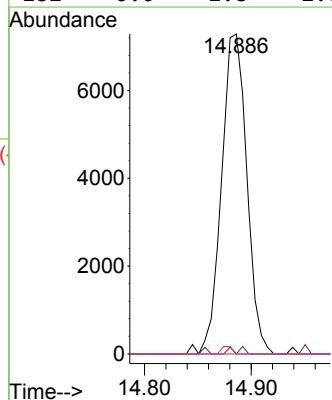
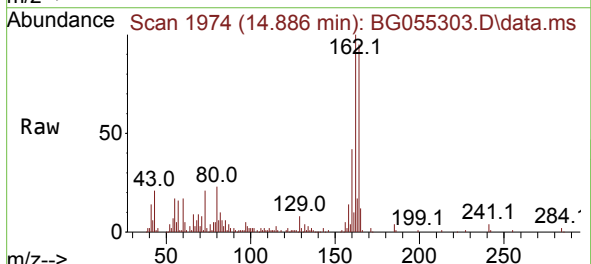
Instrument :
BNA_G
ClientSampleId :
72-11976

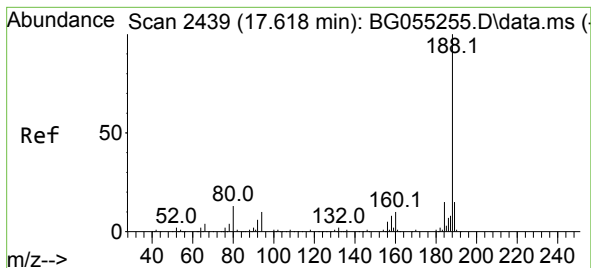
Tgt Ion:165 Resp: 12020
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#



#57
2,4-Dinitrotoluene
Concen: 5.729 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.347 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

Tgt Ion:165 Resp: 12020
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: 17.618 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

Instrument :

BNA_G

ClientSampleId :

72-11976

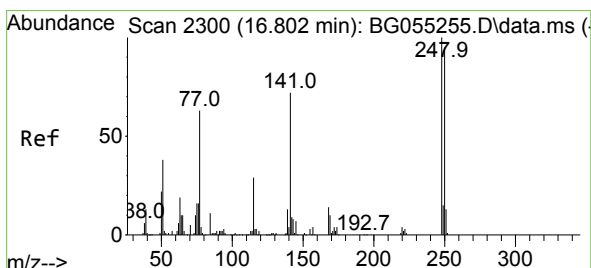
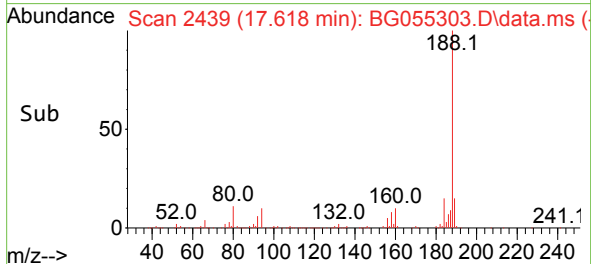
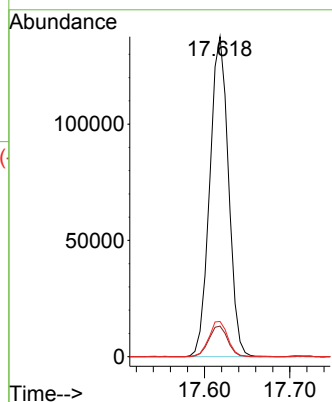
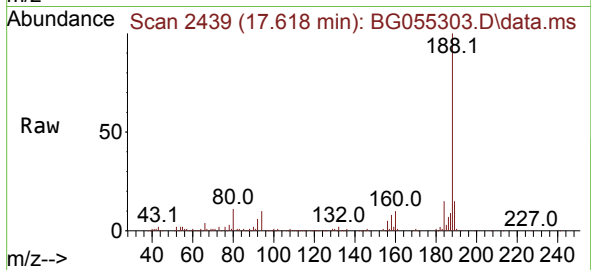
Tgt Ion:188 Resp: 209588

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

80 11.0 10.1 15.1



#67

4-Bromophenyl-phenylether

Concen: 5.270 ng

RT: 16.361 min Scan# 2225

Delta R.T. -0.441 min

Lab File: BG055303.D

Acq: 26 Oct 2022 17:44

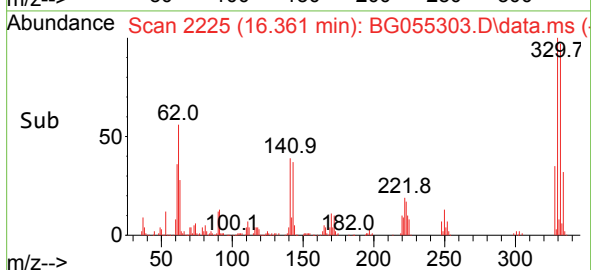
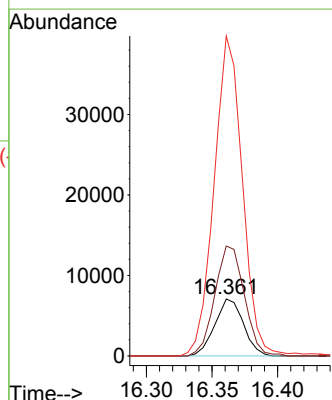
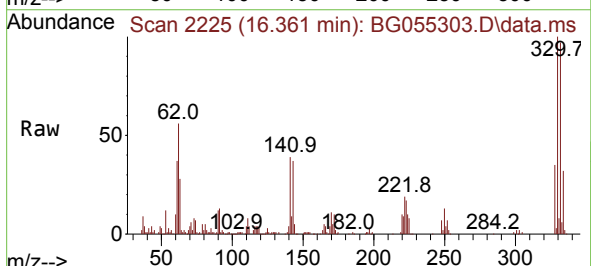
Tgt Ion:248 Resp: 10731

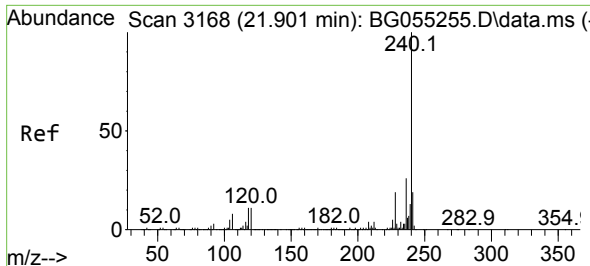
Ion Ratio Lower Upper

248 100

250 193.1 76.0 114.0#

141 562.4 58.0 87.0#

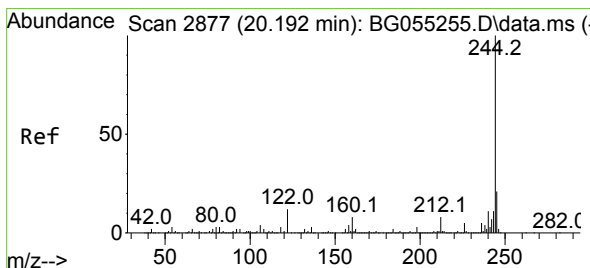
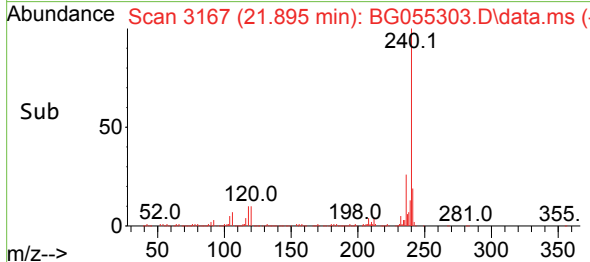
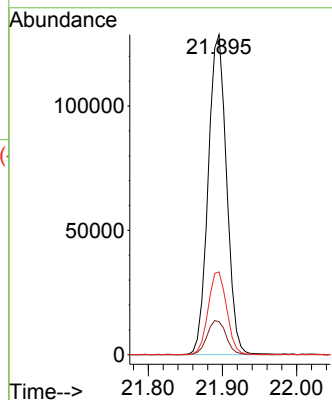
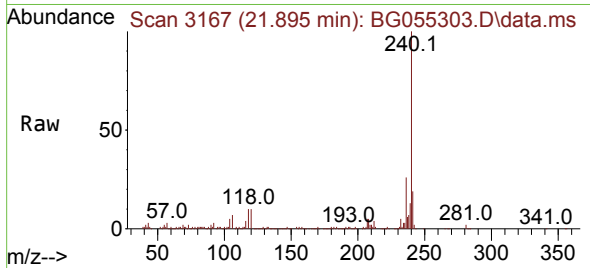




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

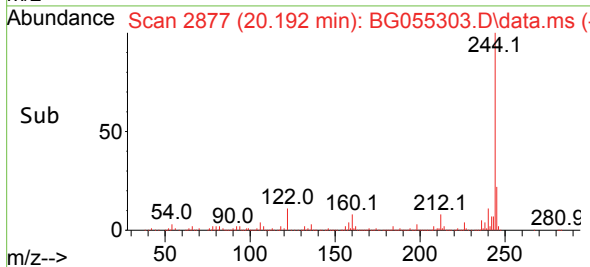
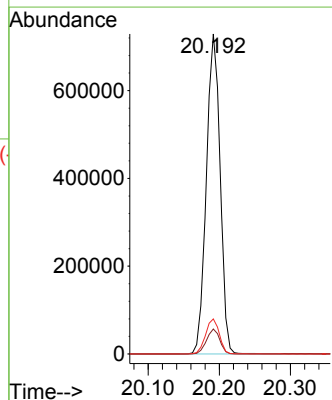
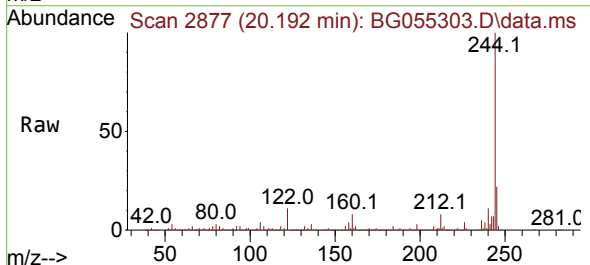
Instrument :
BNA_G
ClientSampleId :
72-11976

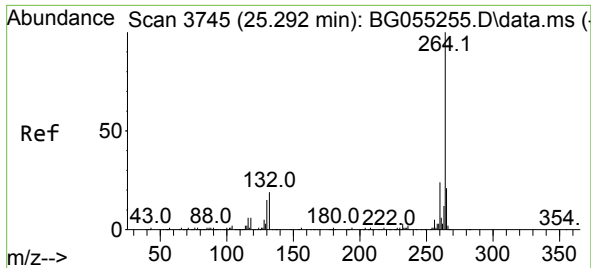
Tgt Ion:240 Resp: 221956
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 92.164 ng
RT: 20.192 min Scan# 2877
Delta R.T. -0.000 min
Lab File: BG055303.D
Acq: 26 Oct 2022 17:44

Tgt Ion:244 Resp: 984570
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 10.9 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.291 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BG055303.D
 Acq: 26 Oct 2022 17:44

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Tgt Ion:264 Resp: 232001
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.7 17.4 26.2

