

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056571.D
 Acq On : 7 Feb 2023 17:21
 Operator : CG/JU
 Sample : 01462-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Quant Time: Feb 08 03:06:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

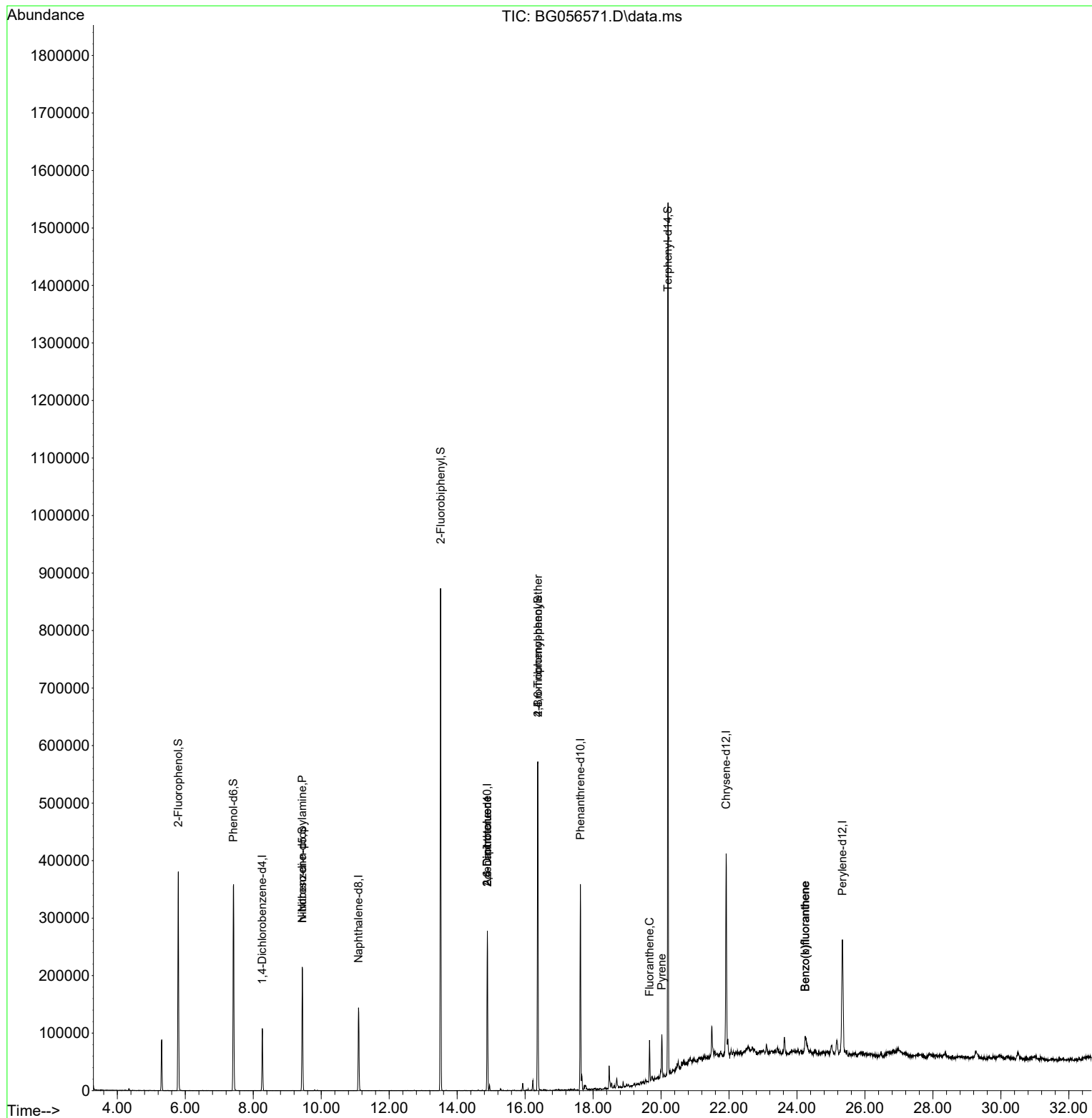
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	36414	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	139049	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	106077	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	243157	20.000	ng	0.00
76) Chrysene-d12	21.915	240	225412	20.000	ng	0.00
86) Perylene-d12	25.335	264	245441	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	212964	107.586	ng	0.00
7) Phenol-d6	7.415	99	285001	97.173	ng	0.00
23) Nitrobenzene-d5	9.442	82	152806	62.403	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	129252	91.653	ng	0.00
45) 2-Fluorobiphenyl	13.513	172	490930	64.165	ng	0.00
79) Terphenyl-d14	20.206	244	822770	64.109	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.415	77	305	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.442	70	18941	11.206 ng	#	72
51) 2,6-Dinitrotoluene	14.888	165	14446	7.719 ng	#	37
57) 2,4-Dinitrotoluene	14.888	165	14446	5.480 ng	#	36
67) 4-Bromophenyl-phenylether	16.375	248	9883	3.175 ng	#	1
75) Fluoranthene	19.665	202	50694	3.156 ng		98
78) Pyrene	20.023	202	50092	3.125 ng		100
88) Benzo(b)fluoranthene	24.242	252	34543	2.267 ng	#	90
89) Benzo(k)fluoranthene	24.242	252	34543	2.246 ng	#	88

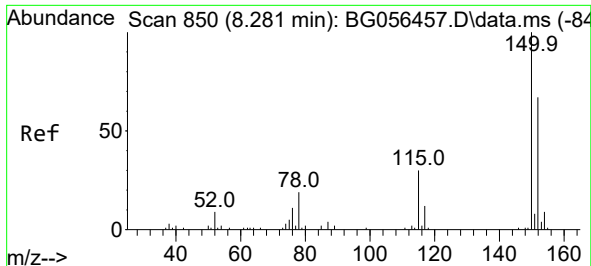
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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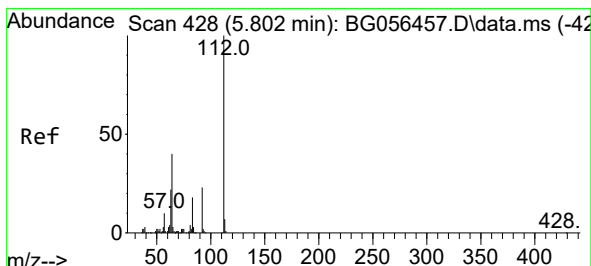
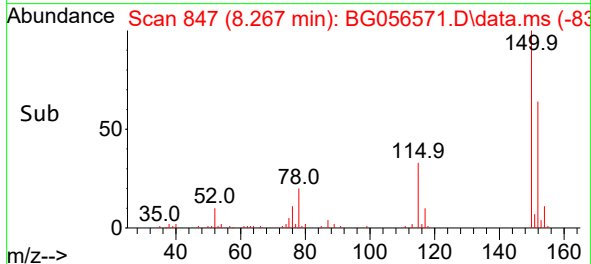
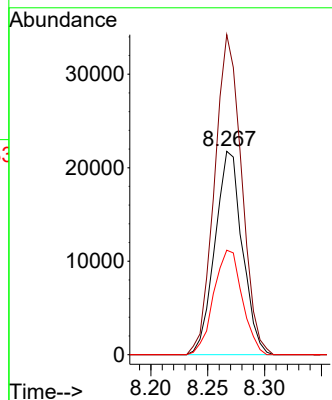
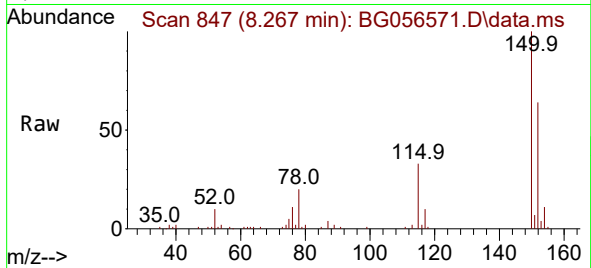




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

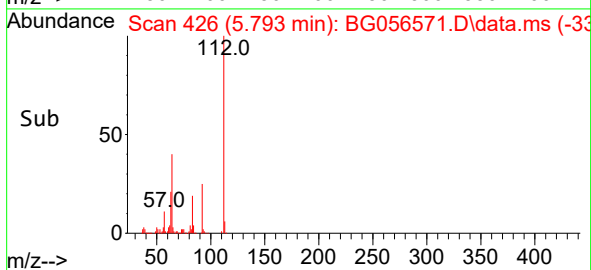
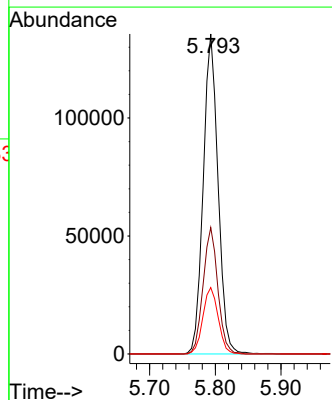
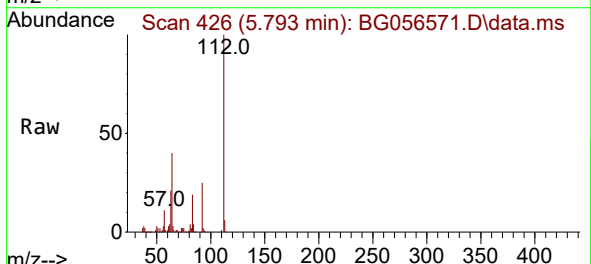
Instrument :
BNA_G
ClientSampleId :
COMP-4

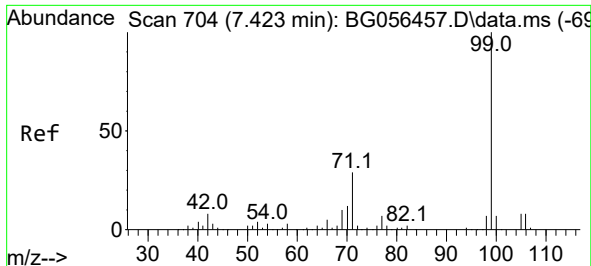
Tgt Ion:152 Resp: 36414
Ion Ratio Lower Upper
152 100
150 157.3 120.2 180.4
115 51.4 36.3 54.5



#5
2-Fluorophenol
Concen: 107.586 ng
RT: 5.793 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Tgt Ion:112 Resp: 212964
Ion Ratio Lower Upper
112 100
64 39.5 31.9 47.9
63 20.7 17.4 26.0

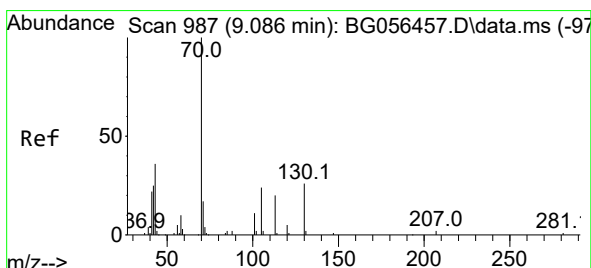
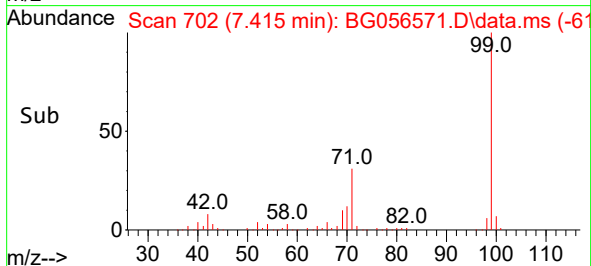
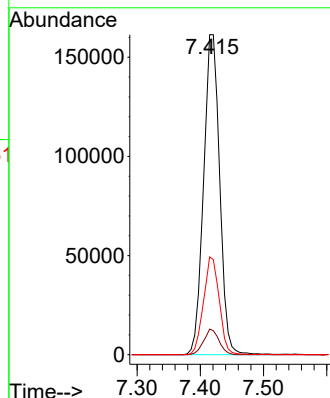
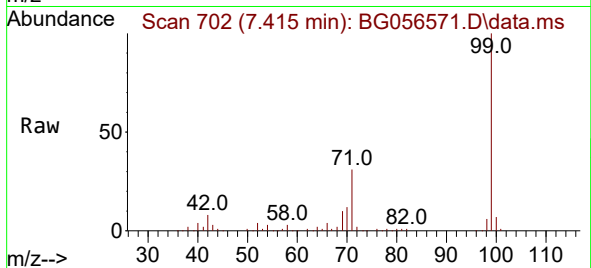




#7
Phenol-d6
Concen: 97.173 ng
RT: 7.415 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

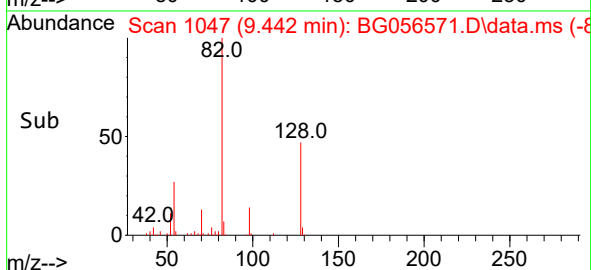
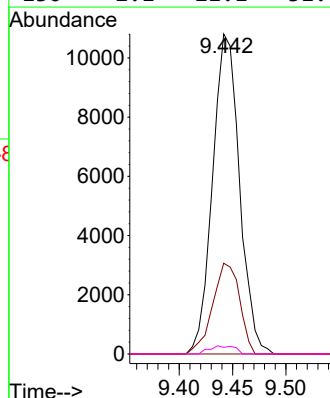
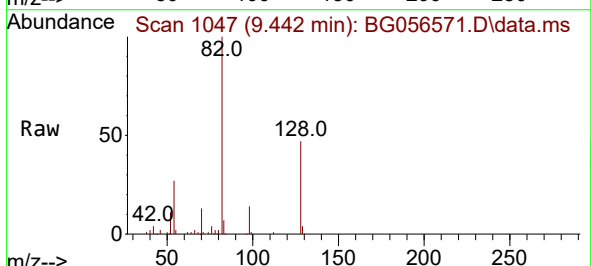
Instrument :
BNA_G
ClientSampleId :
COMP-4

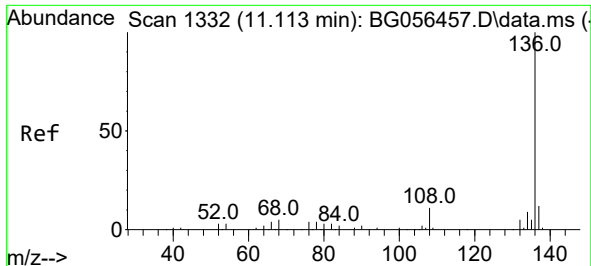
Tgt Ion: 99 Resp: 285001
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 30.6 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.206 ng
RT: 9.442 min Scan# 1047
Delta R.T. 0.367 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

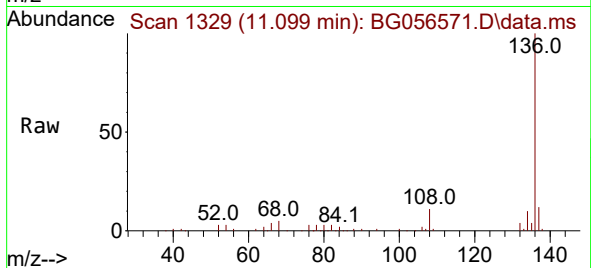
Tgt Ion: 70 Resp: 18941
Ion Ratio Lower Upper
70 100
42 28.3 20.2 30.4
101 0.0 9.1 13.7#
130 2.1 21.1 31.7#





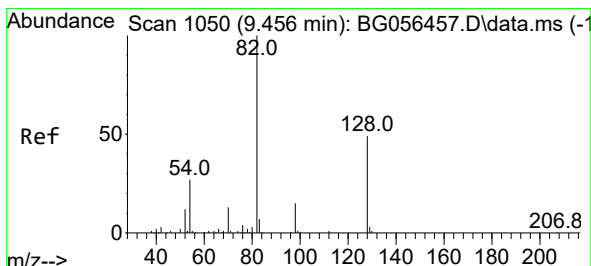
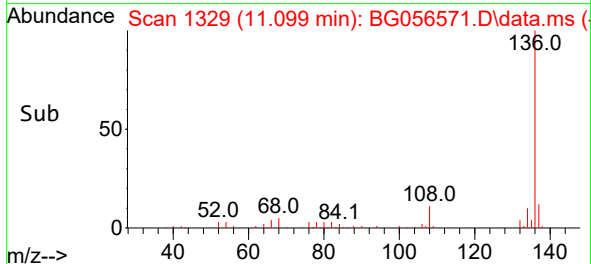
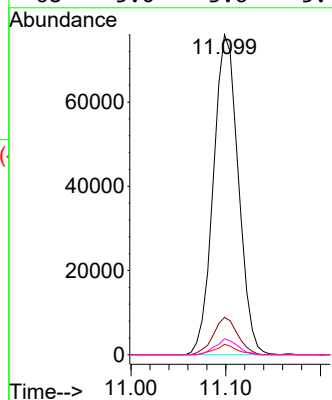
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.099 min Scan# 1329
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Instrument :
BNA_G
ClientSampleId :
COMP-4



Tgt Ion:136 Resp: 139049

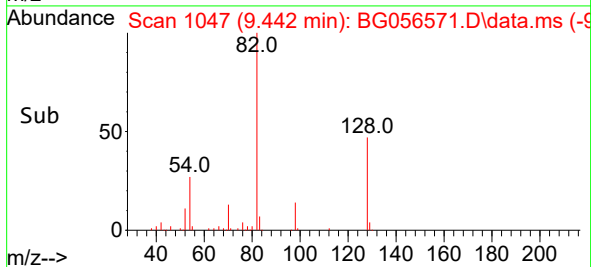
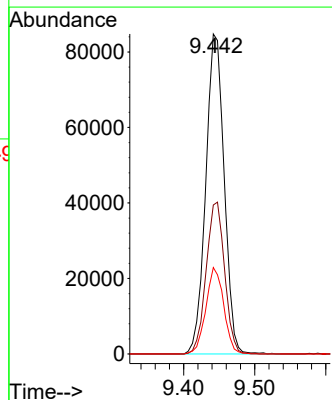
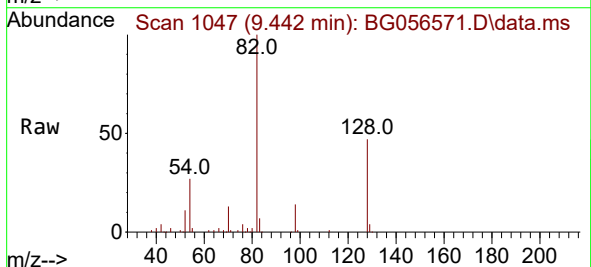
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	3.3	2.2	3.4
68	5.0	3.6	5.4

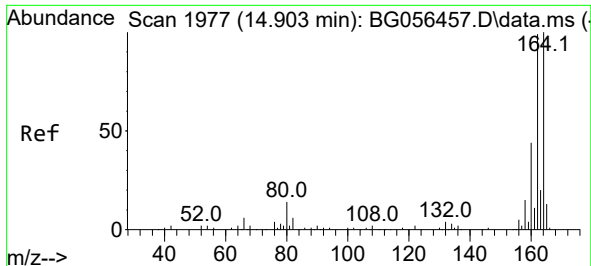


#23
Nitrobenzene-d5
Concen: 62.403 ng
RT: 9.442 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Tgt Ion: 82 Resp: 152806

Ion	Ratio	Lower	Upper
82	100		
128	46.5	39.4	59.2
54	27.0	21.4	32.2

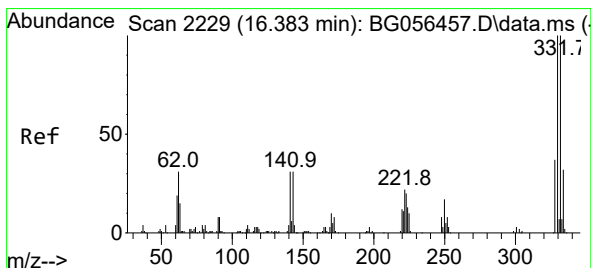
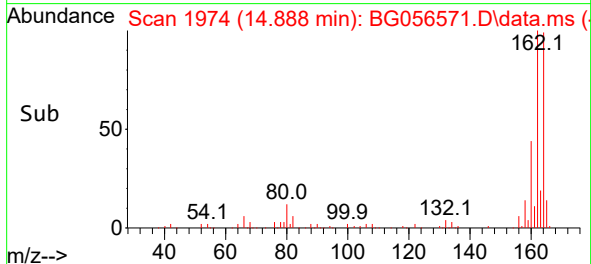
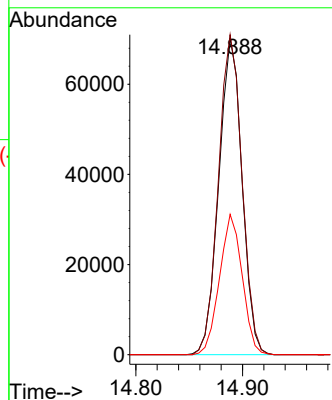
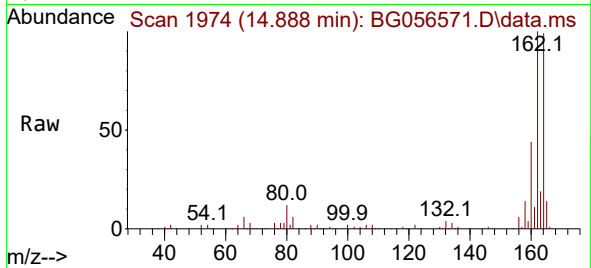




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.888 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

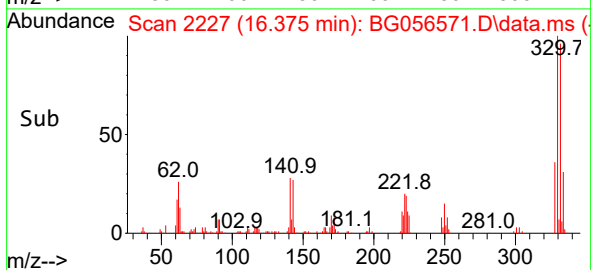
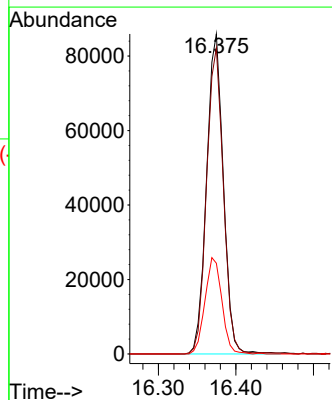
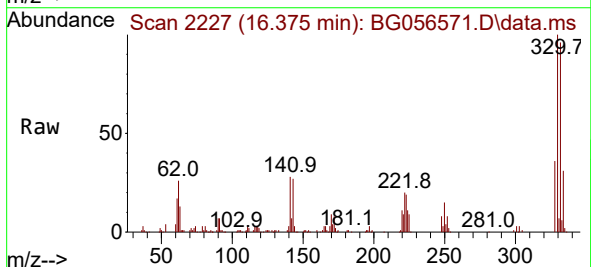
Instrument :
BNA_G
ClientSampleId :
COMP-4

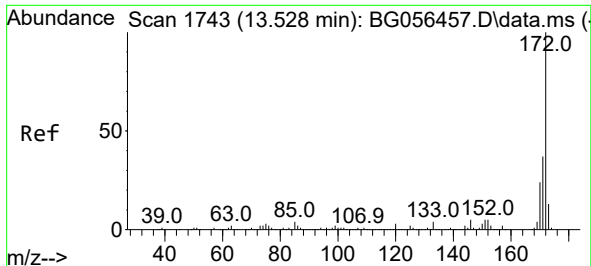
Tgt Ion:164 Resp: 106077
Ion Ratio Lower Upper
164 100
162 101.0 79.6 119.4
160 44.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 91.653 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Tgt Ion:330 Resp: 129252
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.6
141 30.2 24.2 36.4

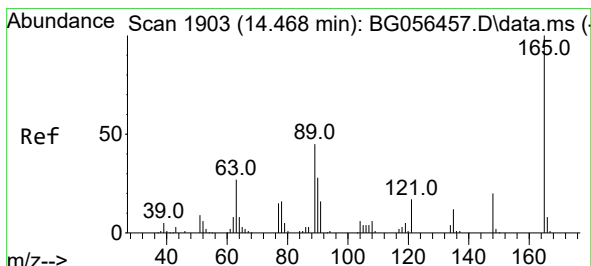
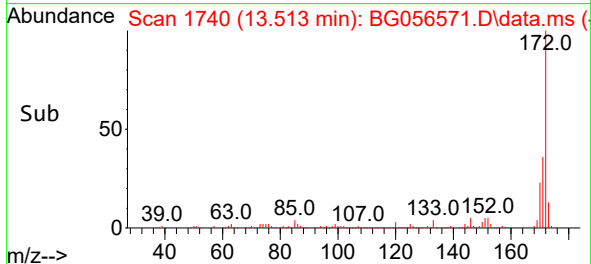
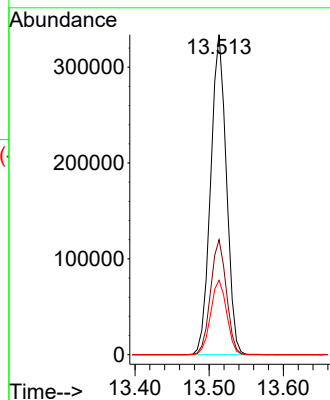
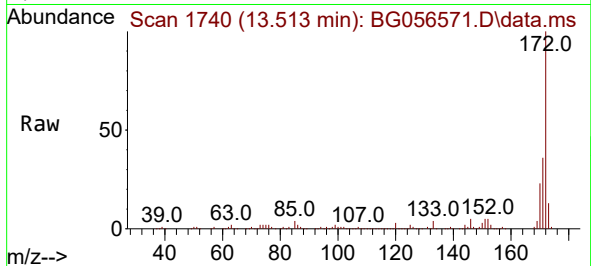




#45
2-Fluorobiphenyl
Concen: 64.165 ng
RT: 13.513 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

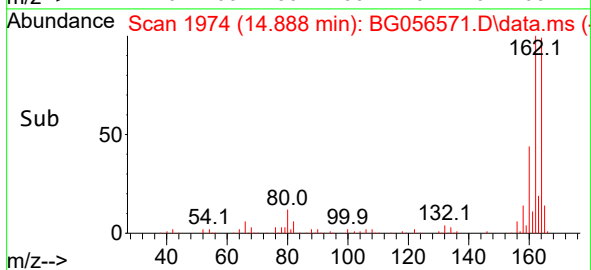
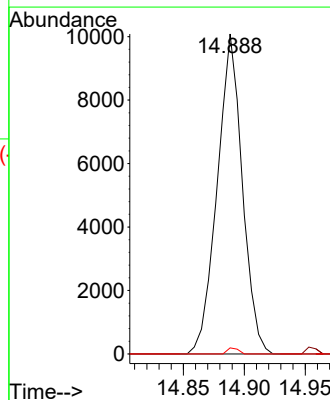
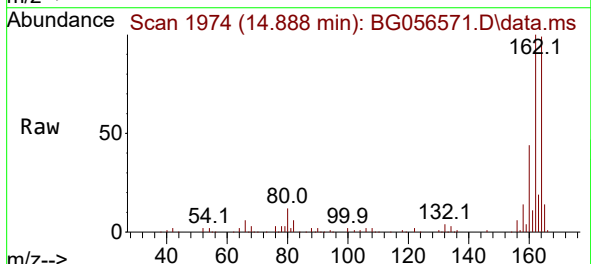
Instrument :
BNA_G
ClientSampleId :
COMP-4

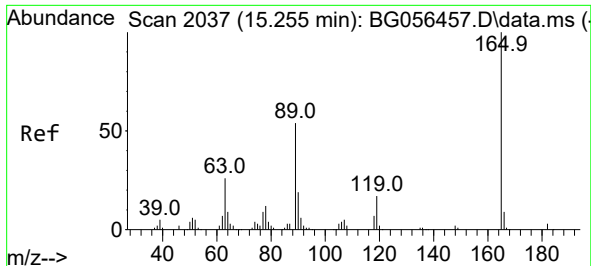
Tgt Ion:172 Resp: 490930
Ion Ratio Lower Upper
172 100
171 36.0 29.5 44.3
170 23.3 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.719 ng
RT: 14.888 min Scan# 1974
Delta R.T. 0.426 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Tgt Ion:165 Resp: 14446
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 1.9 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.480 ng

RT: 14.888 min Scan# 1974

Delta R.T. -0.361 min

Lab File: BG056571.D

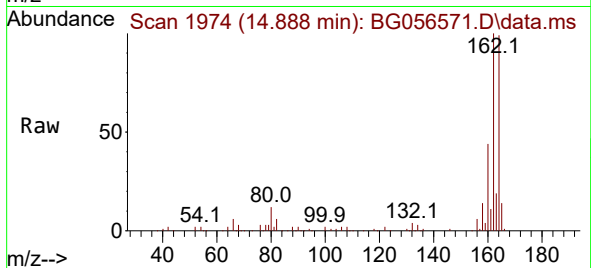
Acq: 7 Feb 2023 17:21

Instrument :

BNA_G

ClientSampleId :

COMP-4



Tgt Ion:165 Resp: 14446

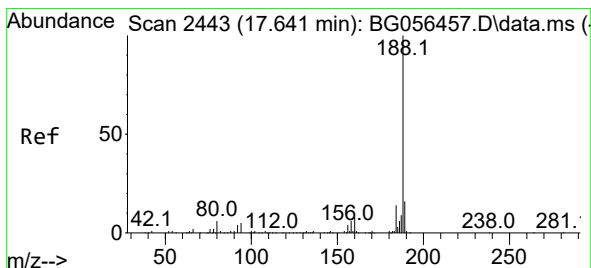
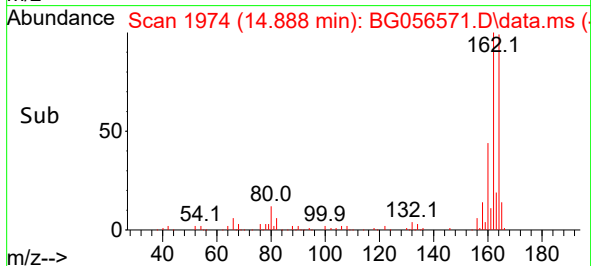
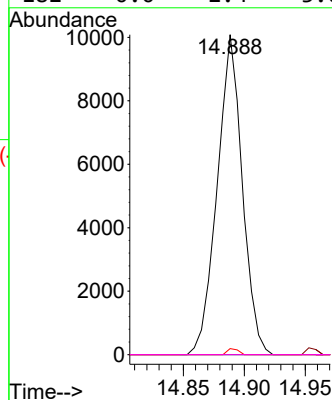
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 1.9 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.626 min Scan# 2440

Delta R.T. -0.003 min

Lab File: BG056571.D

Acq: 7 Feb 2023 17:21

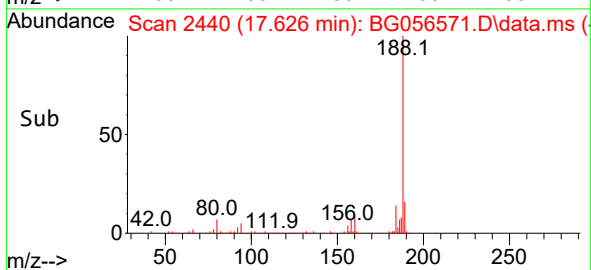
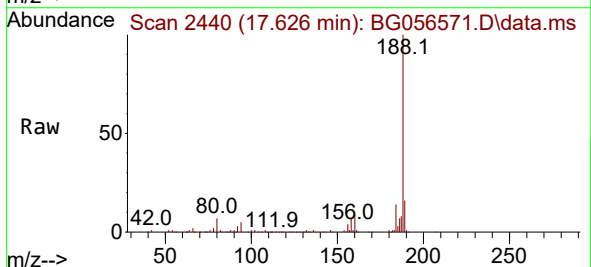
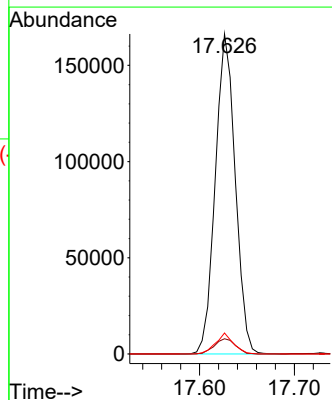
Tgt Ion:188 Resp: 243157

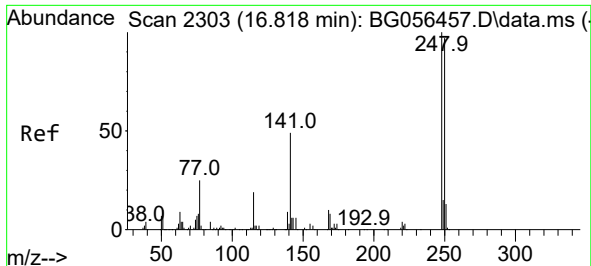
Ion Ratio Lower Upper

188 100

94 4.8 4.1 6.1

80 6.6 5.0 7.4





#67

4-Bromophenyl-phenylether

Concen: 3.175 ng

RT: 16.375 min Scan# 21

Delta R.T. -0.432 min

Lab File: BG056571.D

Acq: 7 Feb 2023 17:21

Instrument :

BNA_G

ClientSampleId :

COMP-4

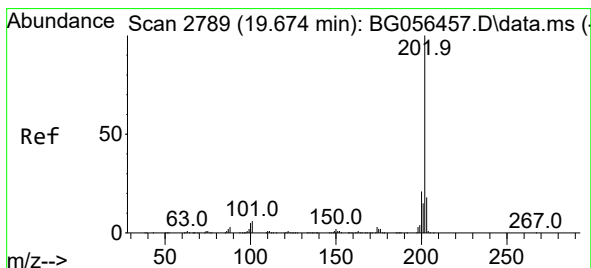
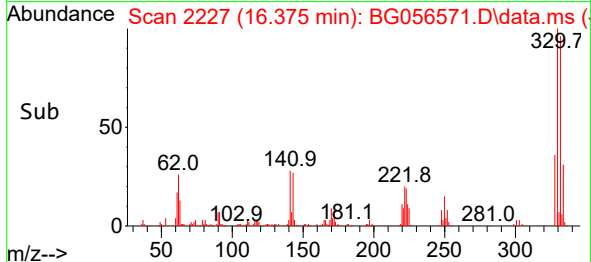
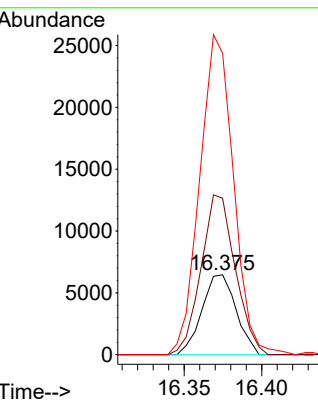
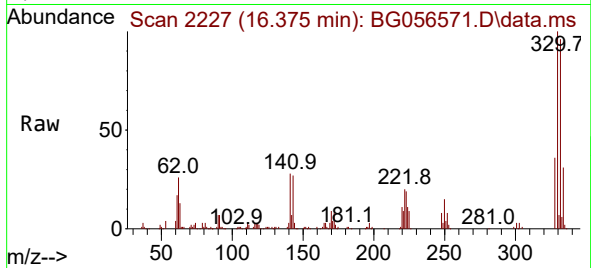
Tgt Ion:248 Resp: 9883

Ion Ratio Lower Upper

248 100

250 195.9 77.6 116.4#

141 377.3 39.0 58.4#



#75

Fluoranthene

Concen: 3.156 ng

RT: 19.665 min Scan# 2787

Delta R.T. -0.003 min

Lab File: BG056571.D

Acq: 7 Feb 2023 17:21

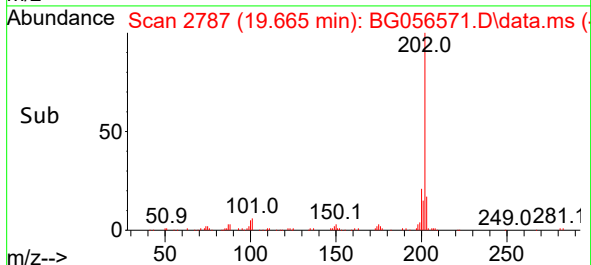
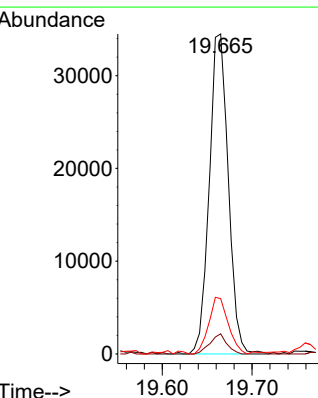
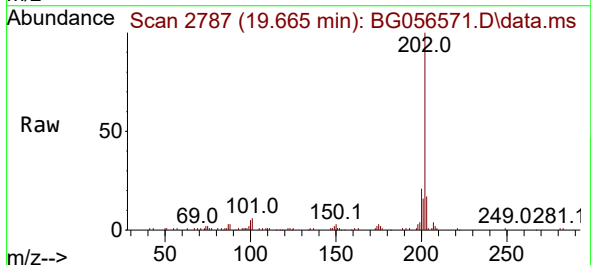
Tgt Ion:202 Resp: 50694

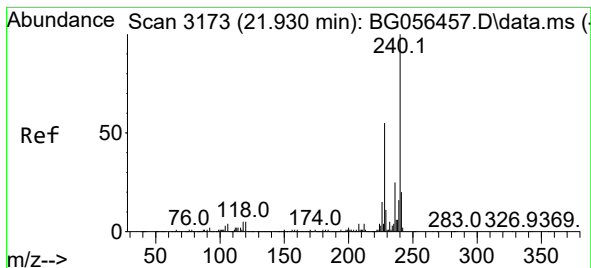
Ion Ratio Lower Upper

202 100

101 6.3 0.0 25.6

203 17.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.915 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG056571.D

Acq: 7 Feb 2023 17:21

Instrument :

BNA_G

ClientSampleId :

COMP-4

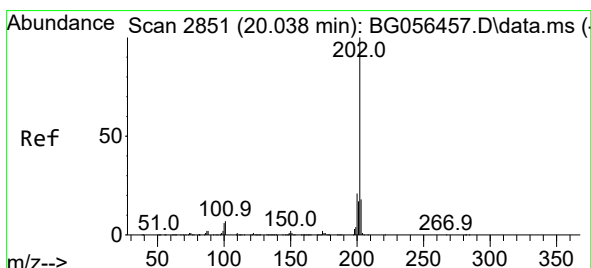
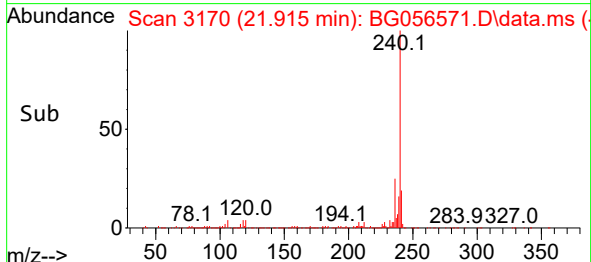
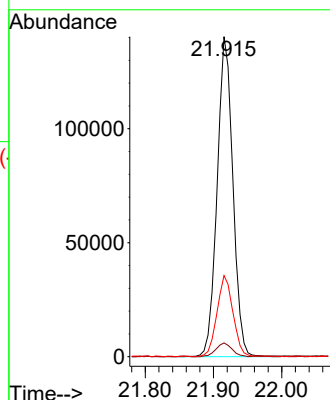
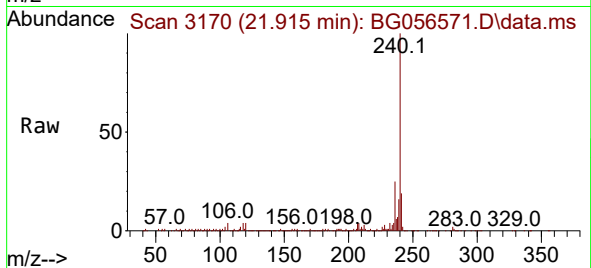
Tgt Ion:240 Resp: 225412

Ion Ratio Lower Upper

240 100

120 4.3 3.8 5.8

236 25.4 20.2 30.2



#78

Pyrene

Concen: 3.125 ng

RT: 20.023 min Scan# 2848

Delta R.T. -0.003 min

Lab File: BG056571.D

Acq: 7 Feb 2023 17:21

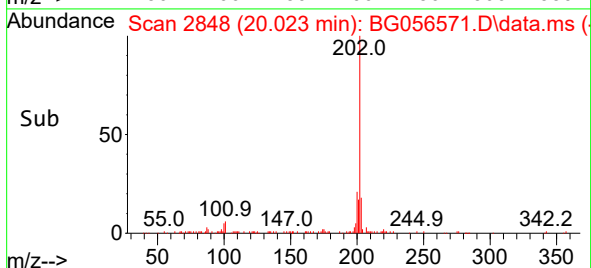
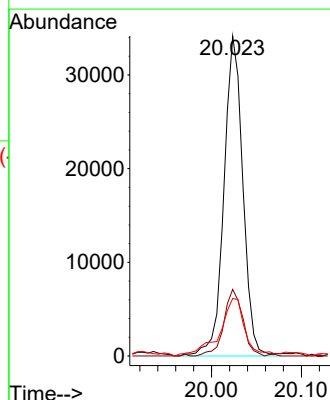
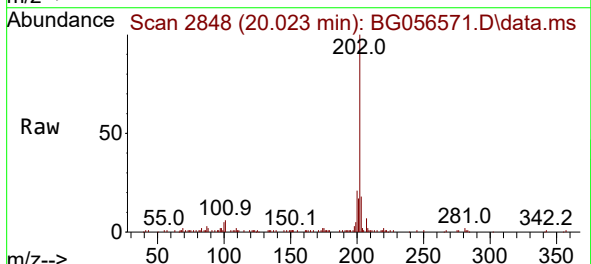
Tgt Ion:202 Resp: 50092

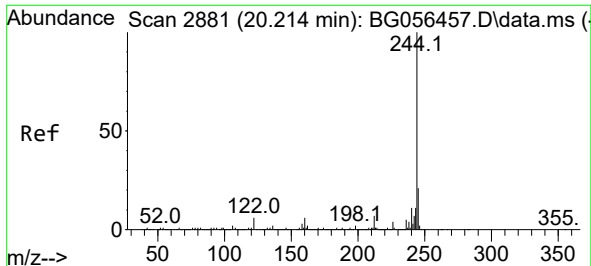
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.0 14.4 21.6

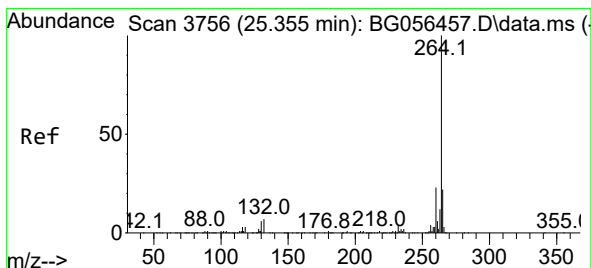
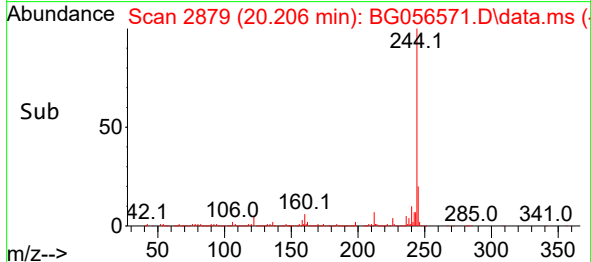
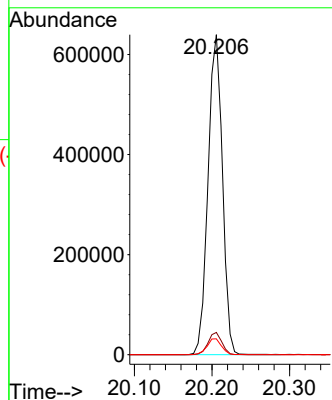
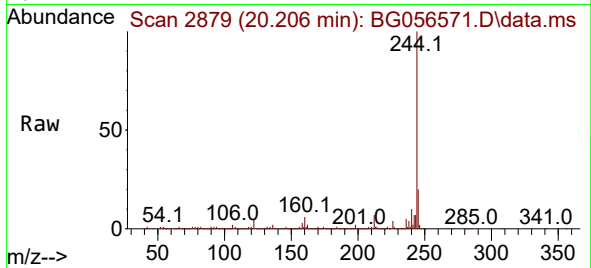




#79
 Terphenyl-d14
 Concen: 64.109 ng
 RT: 20.206 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056571.D
 Acq: 7 Feb 2023 17:21

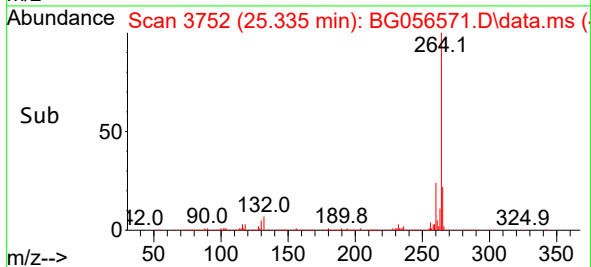
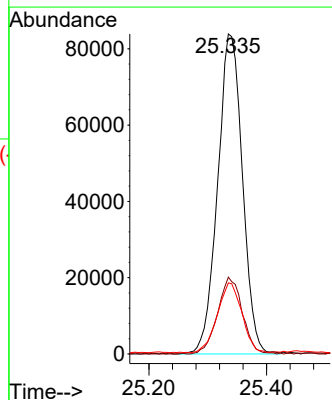
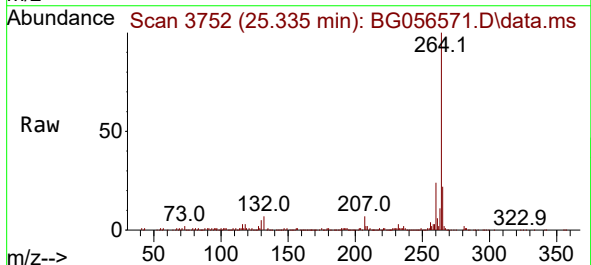
Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

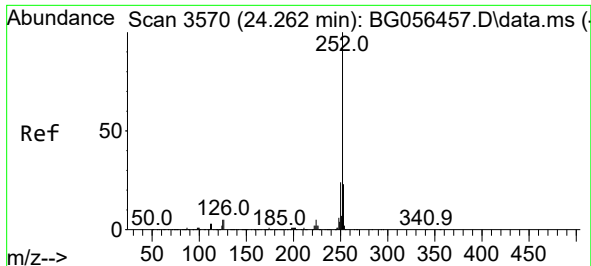
Tgt Ion:244 Resp: 822770
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 5.0 4.4 6.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.335 min Scan# 3752
 Delta R.T. -0.003 min
 Lab File: BG056571.D
 Acq: 7 Feb 2023 17:21

Tgt Ion:264 Resp: 245441
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.4
 265 22.2 18.1 27.1

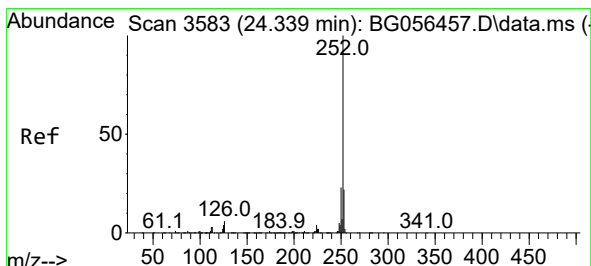
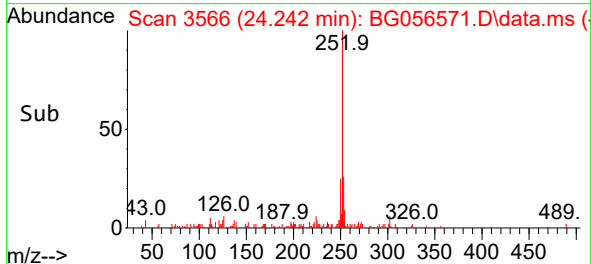
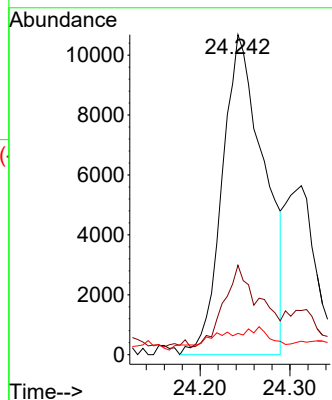
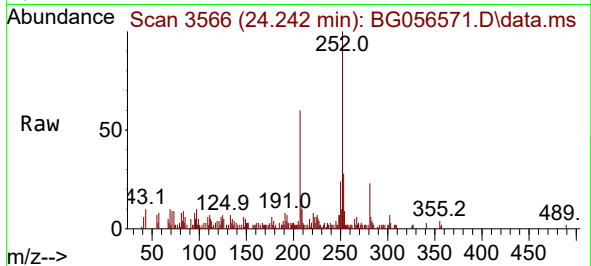




#88
Benzo(b)fluoranthene
Concen: 2.267 ng
RT: 24.242 min Scan# 3566
Delta R.T. -0.009 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Instrument :
BNA_G
ClientSampleId :
COMP-4

Tgt Ion:252 Resp: 34543
Ion Ratio Lower Upper
252 100
253 27.9 18.1 27.1#
125 6.7 3.9 5.9#



#89
Benzo(k)fluoranthene
Concen: 2.246 ng
RT: 24.242 min Scan# 3566
Delta R.T. -0.079 min
Lab File: BG056571.D
Acq: 7 Feb 2023 17:21

Tgt Ion:252 Resp: 34543
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 6.7 3.4 5.0#

