

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055325.D
 Acq On : 27 Oct 2022 15:53
 Operator : CG/JU
 Sample : N5222-16DL2 40X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL2

Quant Time: Oct 27 17:07:59 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)

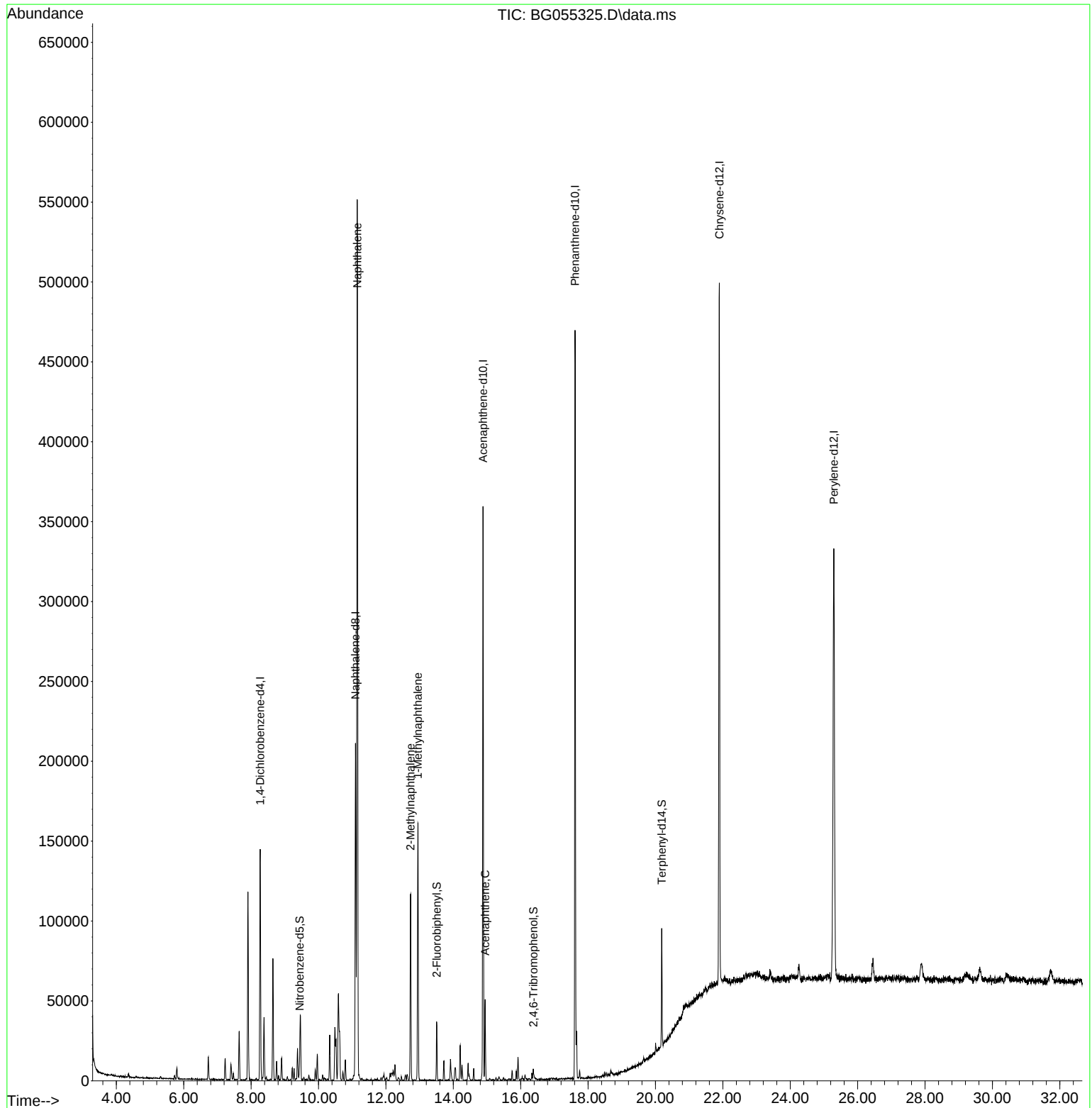
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	42571	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	179749	20.000	ng	0.00
39) Acenaphthene-d10	14.881	164	124238	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	293663	20.000	ng	0.00
76) Chrysene-d12	21.896	240	278863	20.000	ng	0.00
86) Perylene-d12	25.292	264	293886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	3944	1.622	ng	0.00
7) Phenol-d6	7.413	99	2960	0.840	ng	0.00
23) Nitrobenzene-d5	9.440	82	7991	2.270	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	3502	2.593	ng	0.01
45) 2-Fluorobiphenyl	13.506	172	19844	2.614	ng	-0.01
79) Terphenyl-d14	20.186	244	35154	2.619	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.150	128	473023	49.330	ng	100
37) 2-Methylnaphthalene	12.730	142	57915	8.377	ng	99
38) 1-Methylnaphthalene	12.948	142	76935	11.280	ng	100
52) Acenaphthene	14.945	154	17683	2.392	ng	94

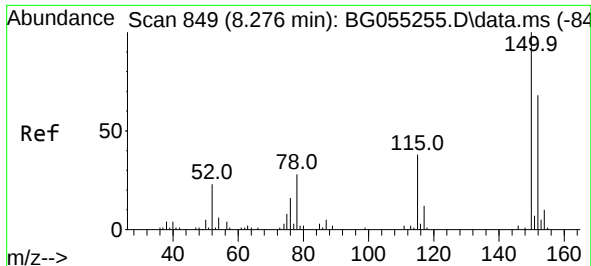
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 27 17:07:59 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

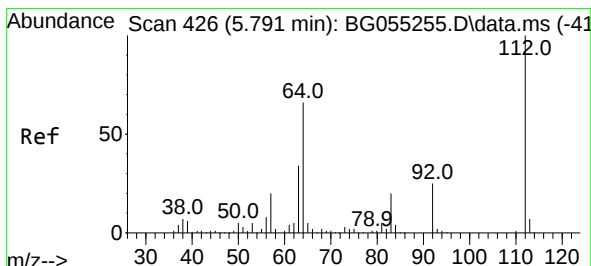
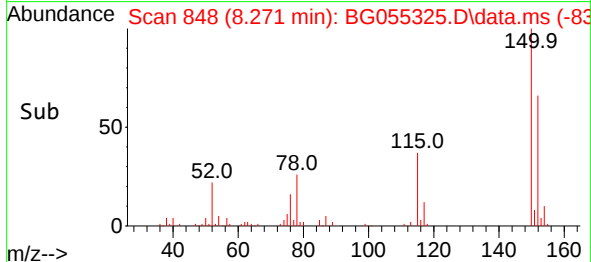
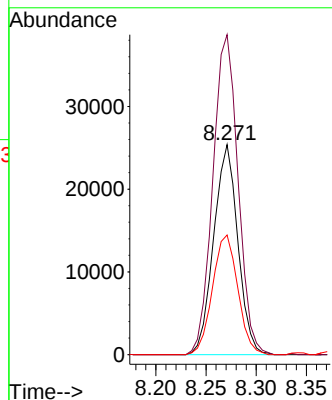
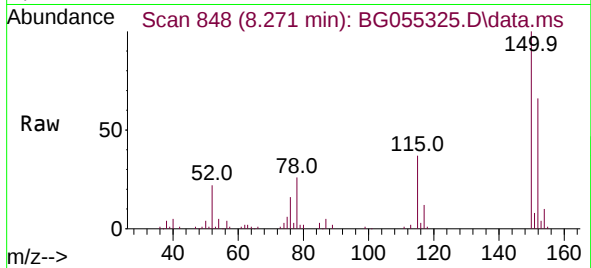




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

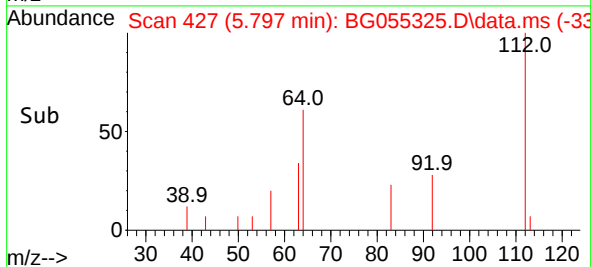
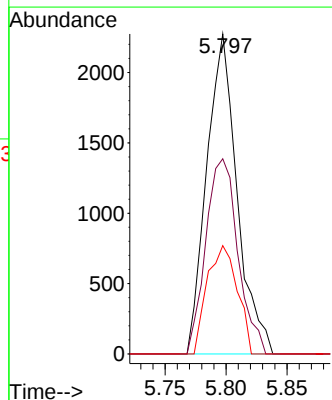
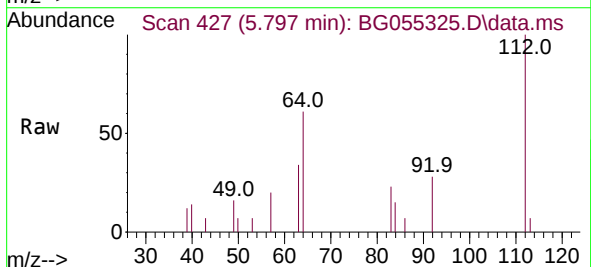
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

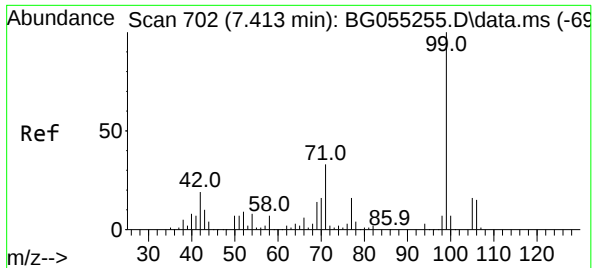
Tgt Ion:152 Resp: 42571
Ion Ratio Lower Upper
152 100
150 152.4 118.2 177.4
115 56.9 44.5 66.7



#5
2-Fluorophenol
Concen: 1.622 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

Tgt Ion:112 Resp: 3944
Ion Ratio Lower Upper
112 100
64 61.0 52.6 78.8
63 33.8 27.1 40.7

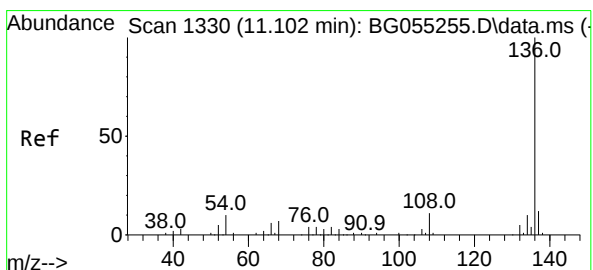
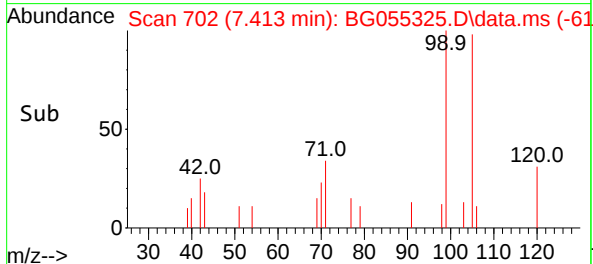
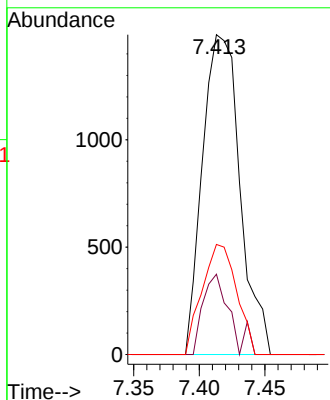
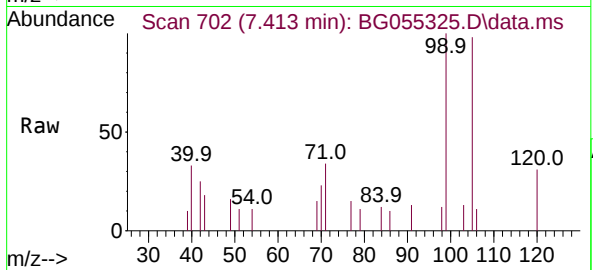




#7
Phenol-d6
Concen: 0.840 ng
RT: 7.413 min Scan# 702
Delta R.T. 0.000 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

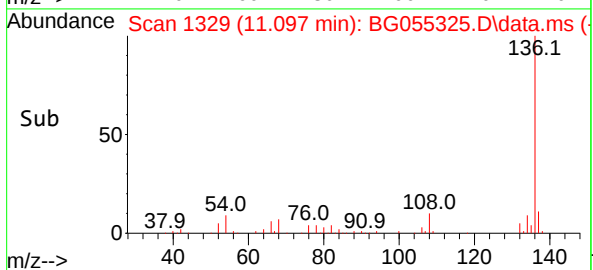
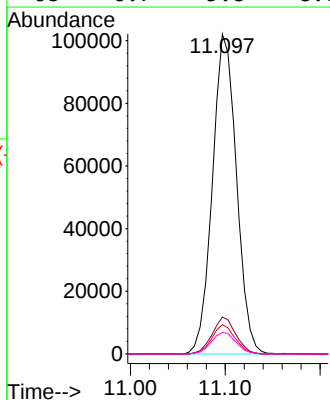
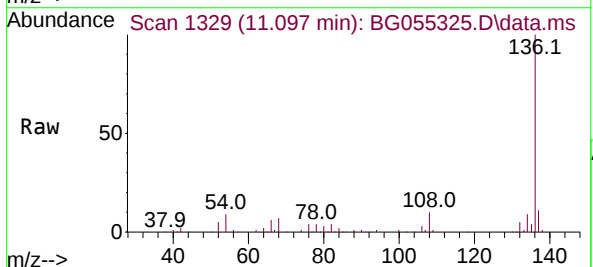
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

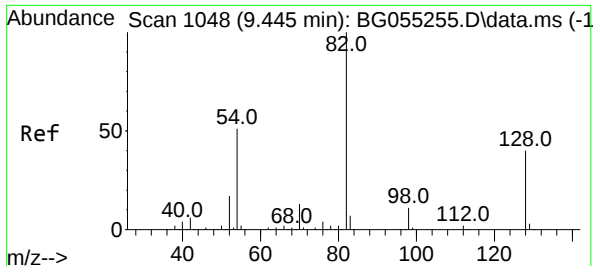
Tgt Ion: 99 Resp: 2960
Ion Ratio Lower Upper
99 100
42 25.1 15.2 22.8#
71 34.4 26.2 39.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.005 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

Tgt Ion: 136 Resp: 179749
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 9.1 7.8 11.8
68 6.7 5.8 8.6





#23

Nitrobenzene-d5

Concen: 2.270 ng

RT: 9.440 min Scan# 1048

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

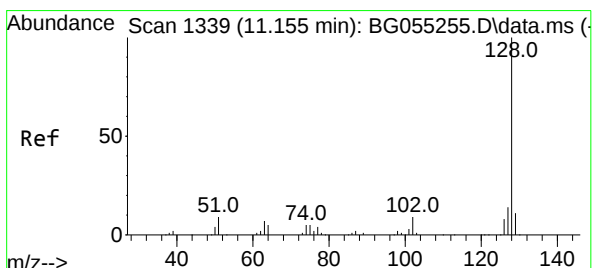
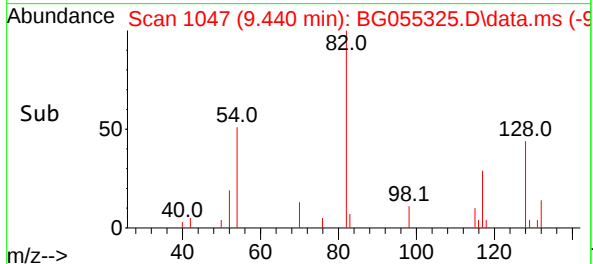
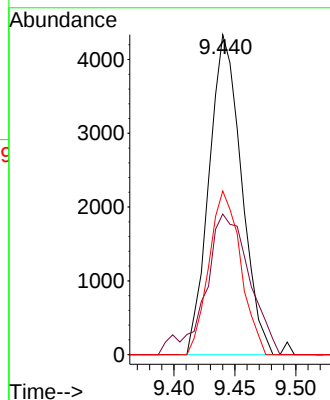
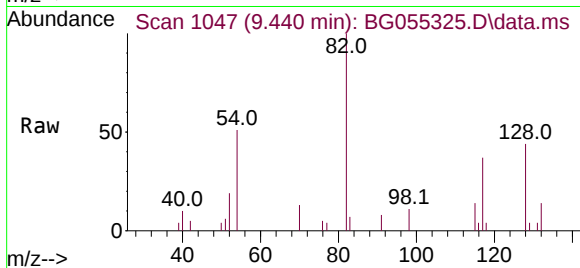
Tgt Ion: 82 Resp: 7991

Ion Ratio Lower Upper

82 100

128 43.9 32.0 48.0

54 51.1 40.9 61.3



#31

Naphthalene

Concen: 49.330 ng

RT: 11.150 min Scan# 1338

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

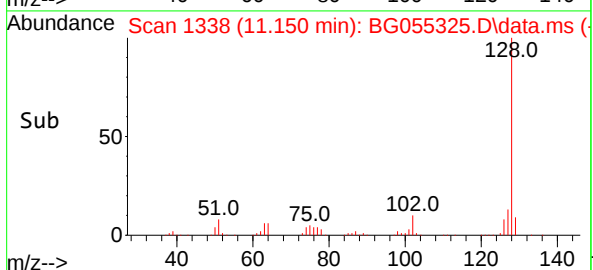
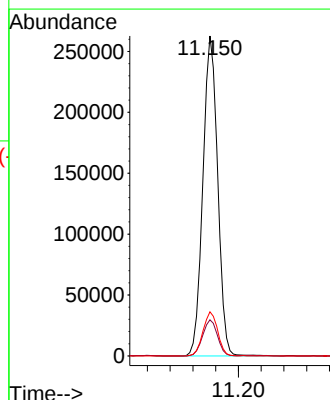
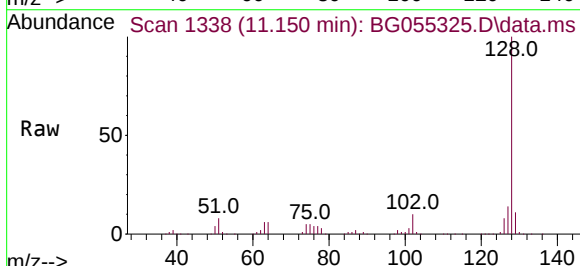
Tgt Ion:128 Resp: 473023

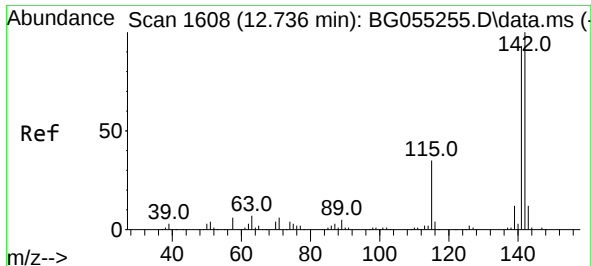
Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.8 11.1 16.7





#37

2-Methylnaphthalene

Concen: 8.377 ng

RT: 12.730 min Scan# 1607

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

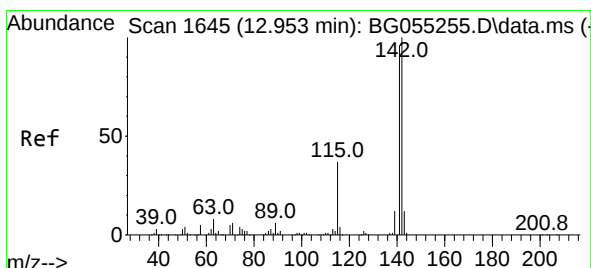
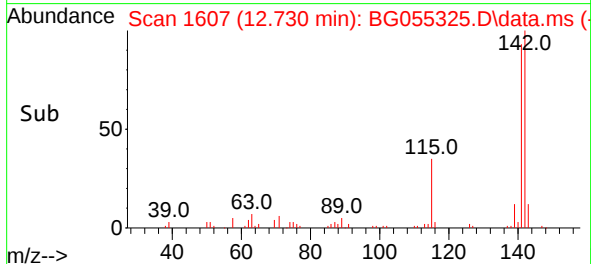
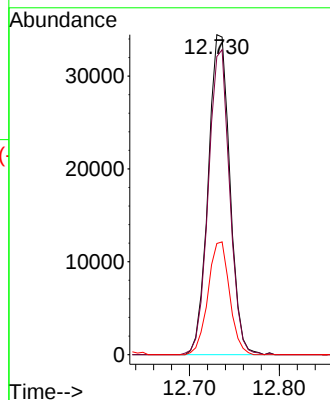
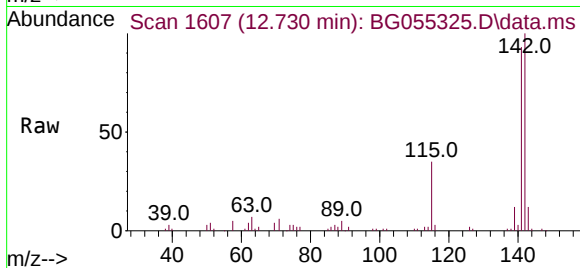
Tgt Ion:142 Resp: 57915

Ion Ratio Lower Upper

142 100

141 93.1 74.0 111.0

115 34.7 28.3 42.5



#38

1-Methylnaphthalene

Concen: 11.280 ng

RT: 12.948 min Scan# 1644

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

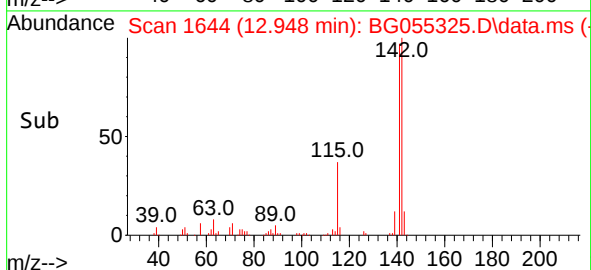
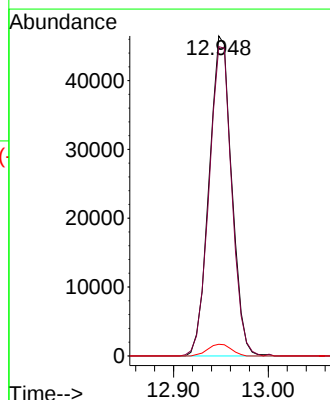
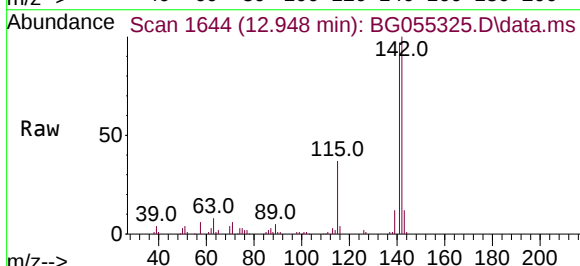
Tgt Ion:142 Resp: 76935

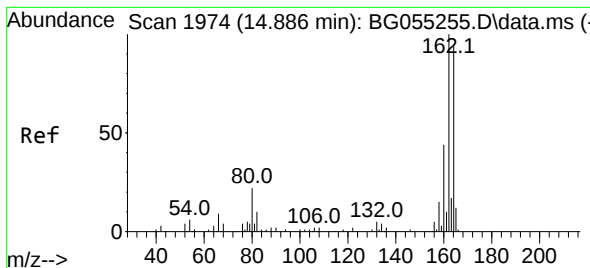
Ion Ratio Lower Upper

142 100

141 96.6 77.1 115.7

116 3.6 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.881 min Scan# 1973

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

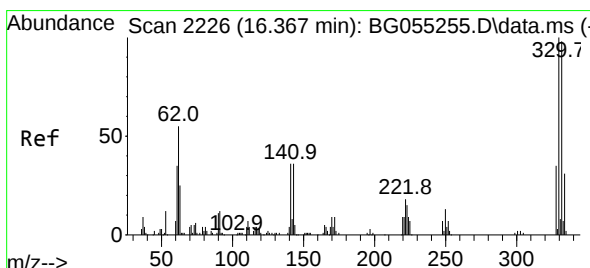
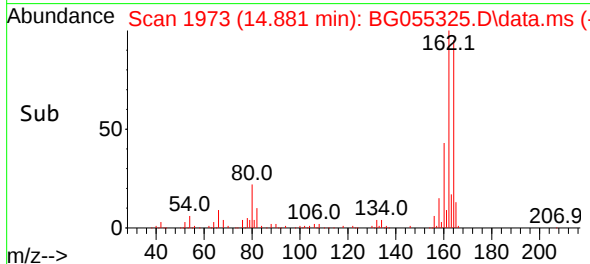
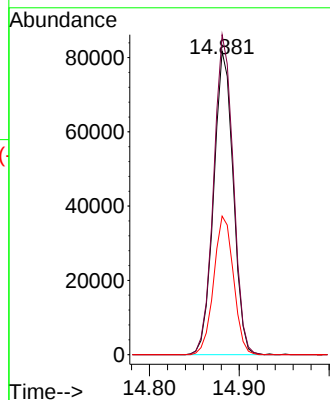
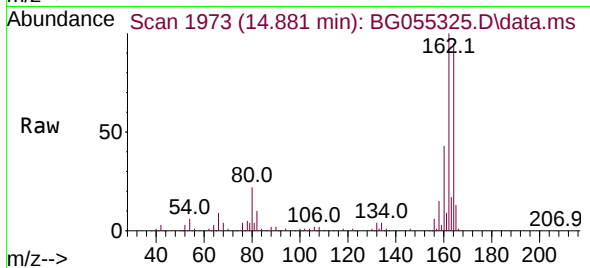
Tgt Ion:164 Resp: 124238

Ion Ratio Lower Upper

164 100

162 105.5 84.0 126.0

160 45.7 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 2.593 ng

RT: 16.379 min Scan# 2228

Delta R.T. 0.012 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

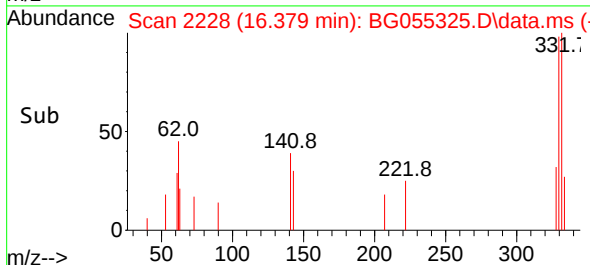
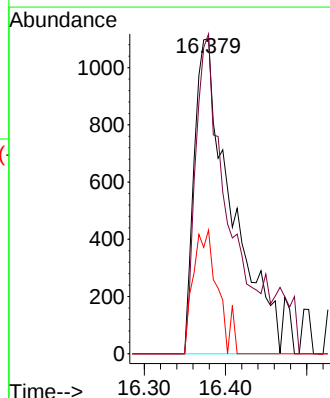
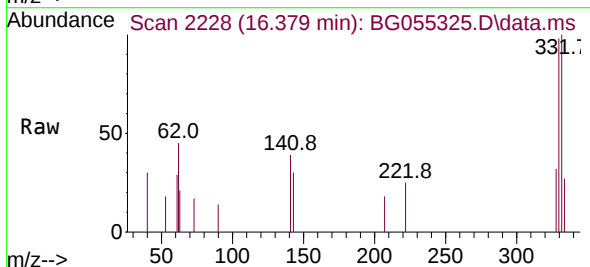
Tgt Ion:330 Resp: 3502

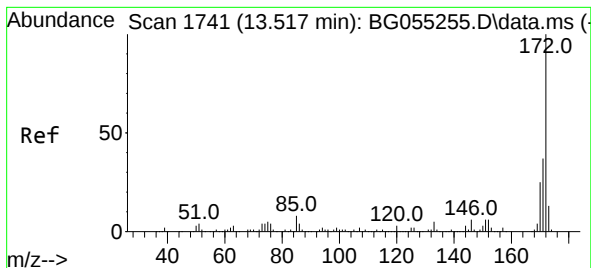
Ion Ratio Lower Upper

330 100

332 85.6 77.4 116.0

141 25.7 29.8 44.8#





#45

2-Fluorobiphenyl

Concen: 2.614 ng

RT: 13.506 min Scan# 1739

Delta R.T. -0.011 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

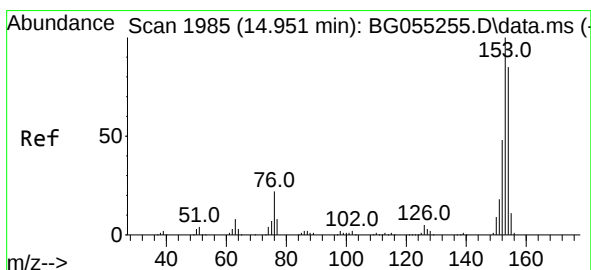
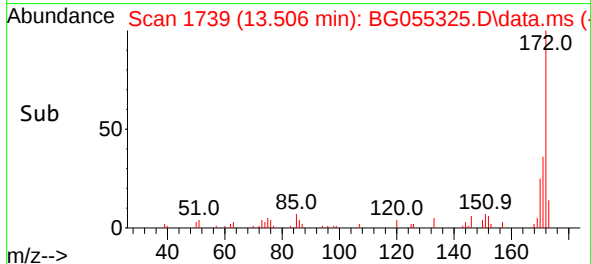
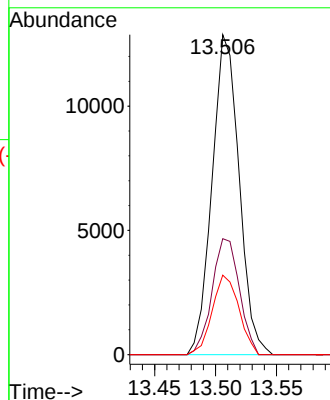
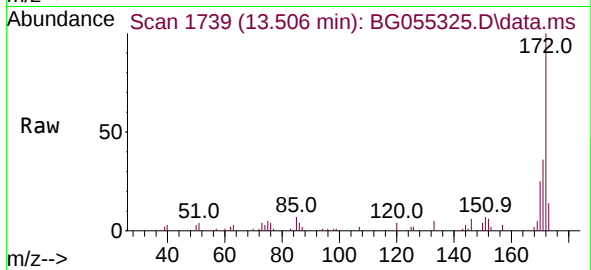
Tgt Ion:172 Resp: 19844

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

170 24.8 20.2 30.2



#52

Acenaphthene

Concen: 2.392 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.005 min

Lab File: BG055325.D

Acq: 27 Oct 2022 15:53

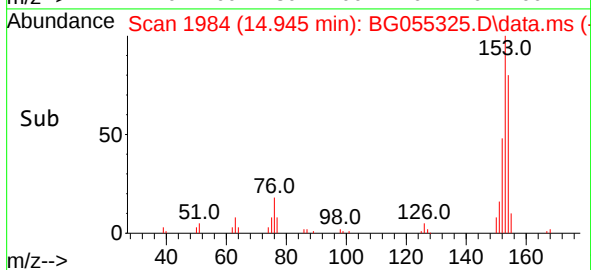
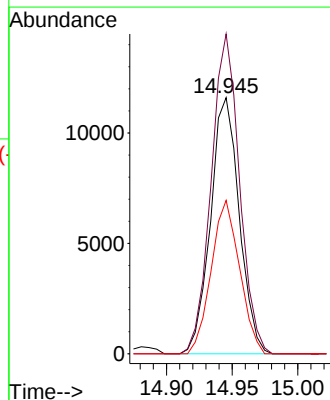
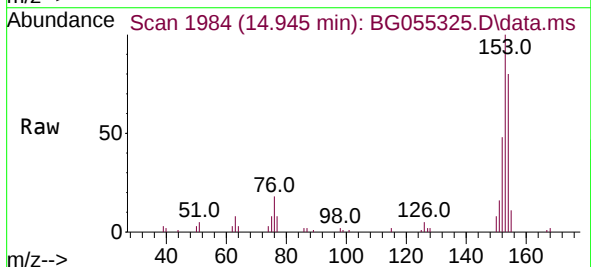
Tgt Ion:154 Resp: 17683

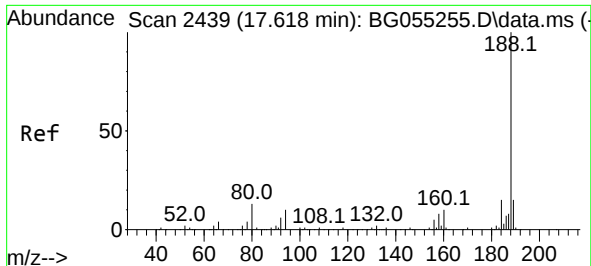
Ion Ratio Lower Upper

154 100

153 124.9 94.3 141.5

152 59.9 45.3 67.9

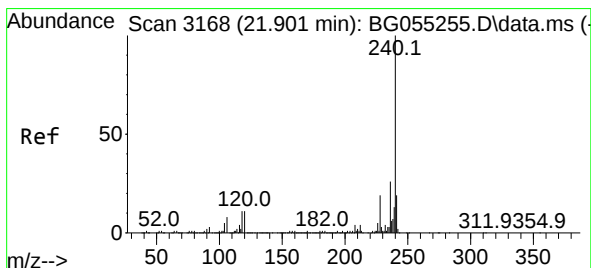
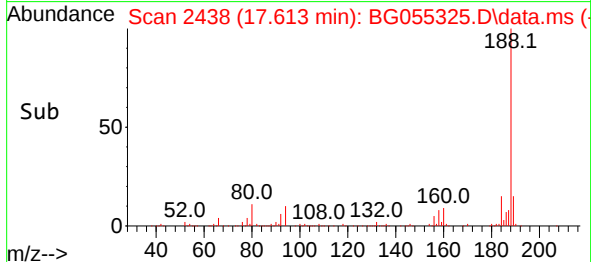
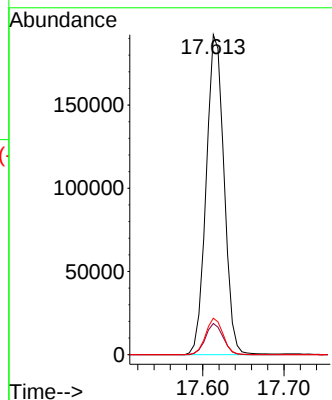
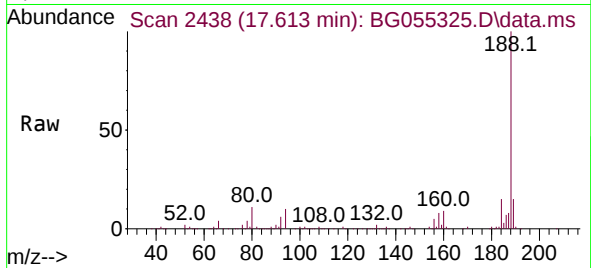




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

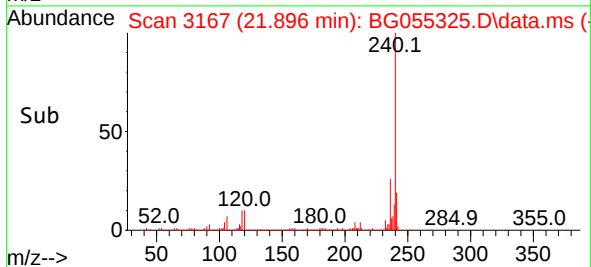
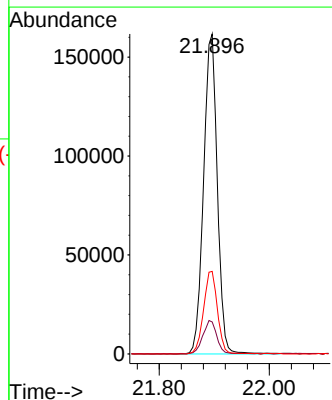
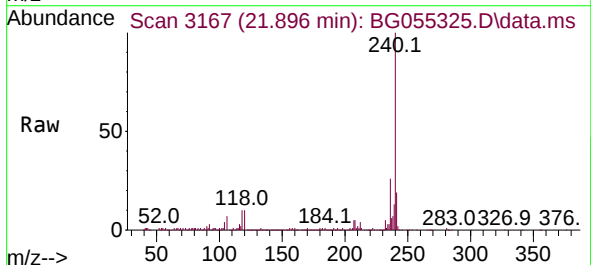
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

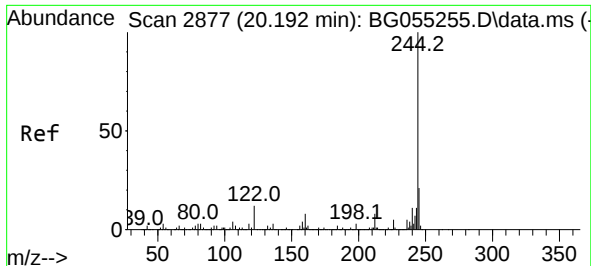
Tgt Ion:188 Resp: 293663
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.4
80 11.4 10.1 15.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3167
Delta R.T. -0.005 min
Lab File: BG055325.D
Acq: 27 Oct 2022 15:53

Tgt Ion:240 Resp: 278863
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 25.8 21.0 31.4

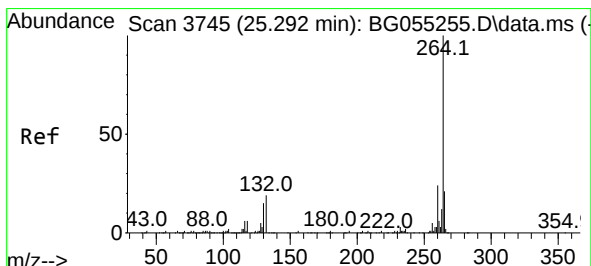
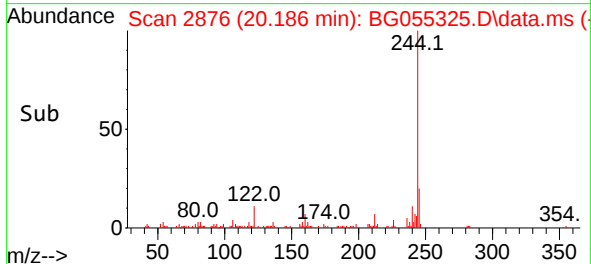
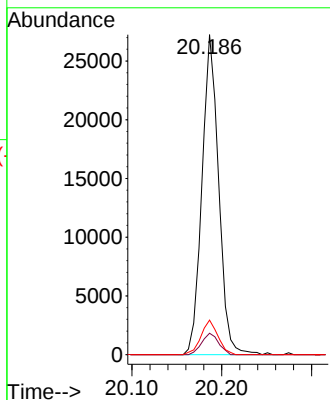
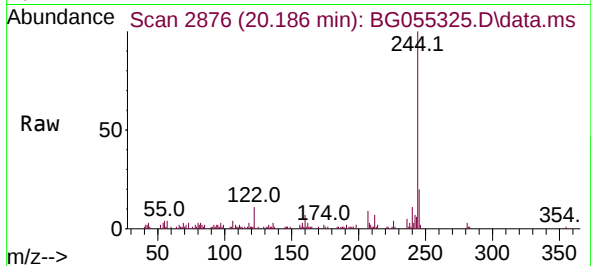




#79
 Terphenyl-d14
 Concen: 2.619 ng
 RT: 20.186 min Scan# 2877
 Delta R.T. -0.005 min
 Lab File: BG055325.D
 Acq: 27 Oct 2022 15:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL2

Tgt Ion:244 Resp: 35154
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 10.8 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.292 min Scan# 3745
 Delta R.T. 0.001 min
 Lab File: BG055325.D
 Acq: 27 Oct 2022 15:53

Tgt Ion:264 Resp: 293886
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.1 17.4 26.2

