

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101222\
 Data File : BG055141.D
 Acq On : 12 Oct 2022 14:02
 Operator : CG/JU
 Sample : N5067-18DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-2-VERTDL

Quant Time: Oct 13 04:50:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

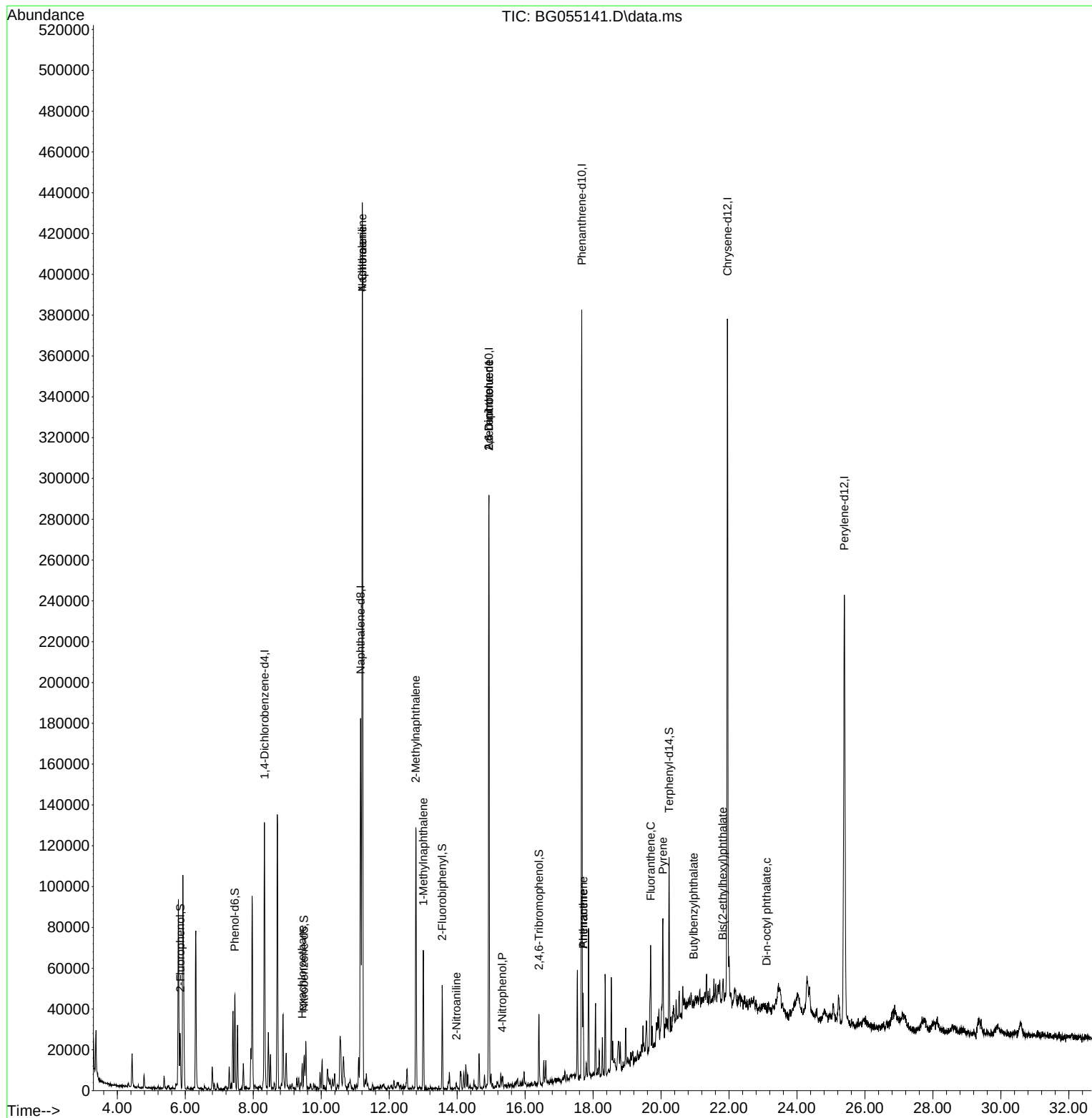
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	39301	20.000	ng	0.00
21) Naphthalene-d8	11.157	136	158145	20.000	ng	-0.01
39) Acenaphthene-d10	14.935	164	106913	20.000	ng	0.00
64) Phenanthrene-d10	17.667	188	239221	20.000	ng	0.00
76) Chrysene-d12	21.957	240	221799	20.000	ng	-0.01
86) Perylene-d12	25.394	264	236771	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.852	112	11914	6.733	ng	0.00
7) Phenol-d6	7.456	99	15831	5.971	ng	0.00
23) Nitrobenzene-d5	9.495	82	9920	3.748	ng	-0.01
42) 2,4,6-Tribromophenol	16.410	330	7110	12.385	ng	0.00
45) 2-Fluorobiphenyl	13.561	172	25210	3.681	ng	-0.01
79) Terphenyl-d14	20.235	244	41071	3.743	ng	-0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	9.442	117	2019	2.246	ng	# 1
31) Naphthalene	11.210	128	368372	44.134	ng	99
33) 4-Chloroaniline	11.210	127	49967	14.478	ng	# 33
37) 2-Methylnaphthalene	12.785	142	59318	9.644	ng	99
38) 1-Methylnaphthalene	13.002	142	31812	5.317	ng	96
48) 2-Nitroaniline	13.984	65	56	4.113	ng	# 7
51) 2,6-Dinitrotoluene	14.935	165	13890	12.166	ng	# 14
56) 4-Nitrophenol	15.329	139	870	5.530	ng	# 13
57) 2,4-Dinitrotoluene	14.935	165	13890	9.935	ng	# 16
71) Phenanthrene	17.709	178	25190	2.005	ng	100
72) Anthracene	17.709	178	25190	2.061	ng	99
75) Fluoranthene	19.695	202	32373	2.065	ng	99
78) Pyrene	20.053	202	30768	2.086	ng	97
80) Butylbenzylphthalate	20.958	149	390	4.914	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.816	149	481	4.165	ng	# 32
85) Di-n-octyl phthalate	23.102	149	200	4.357	ng	# 60

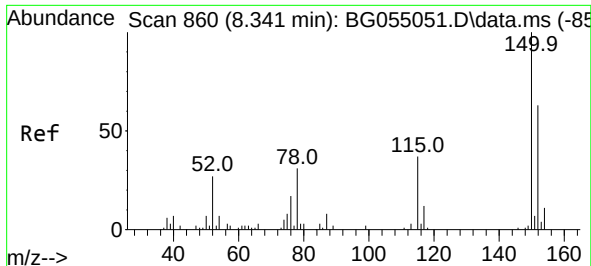
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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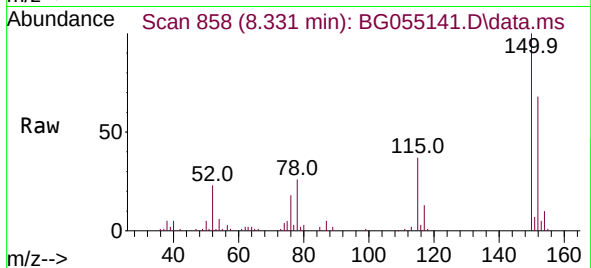
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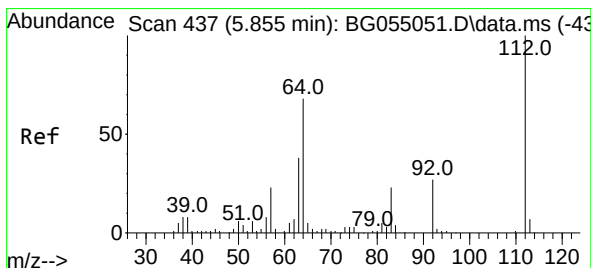
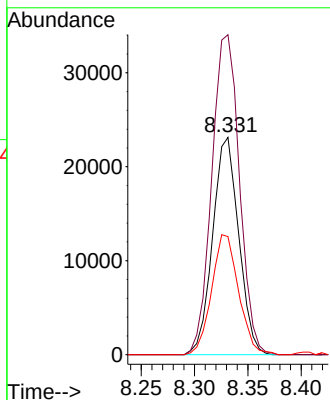
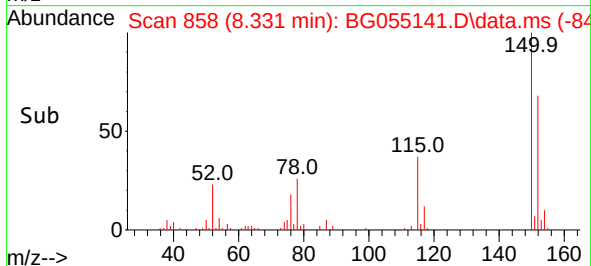


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

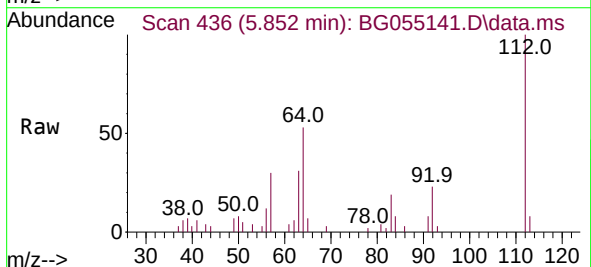
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BNA_G
ClientSampleId :
COMP-B-2-VERTDL



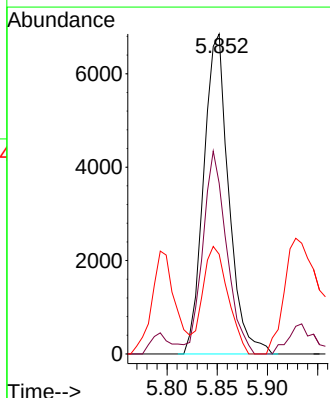
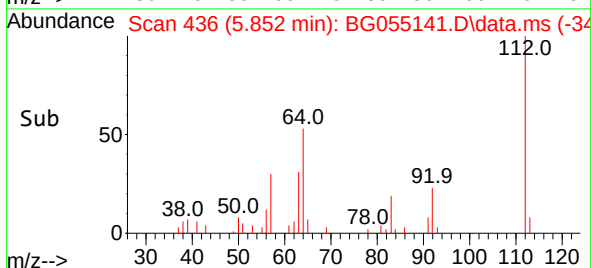
Tgt Ion:152 Resp: 39301
Ion Ratio Lower Upper
152 100
150 147.3 128.0 192.0
115 54.4 47.7 71.5

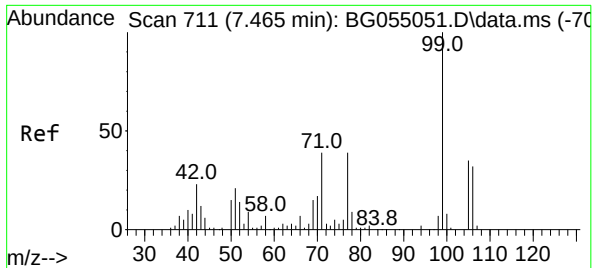


#5
2-Fluorophenol
Concen: 6.733 ng
RT: 5.852 min Scan# 436
Delta R.T. -0.000 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02



Tgt Ion:112 Resp: 11914
Ion Ratio Lower Upper
112 100
64 53.4 54.5 81.7#
63 31.1 30.5 45.7

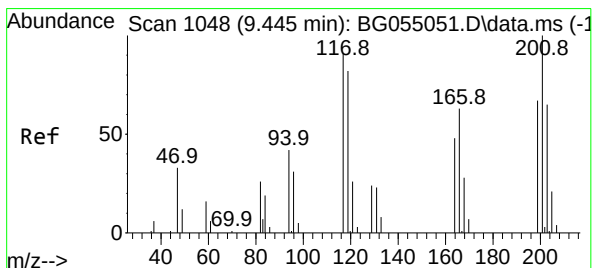
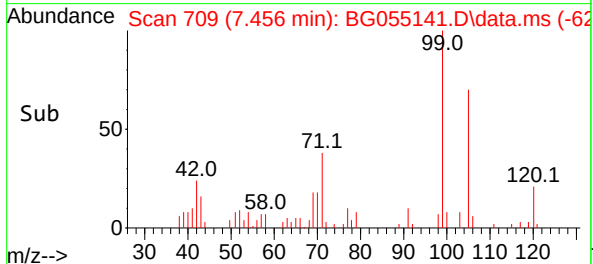
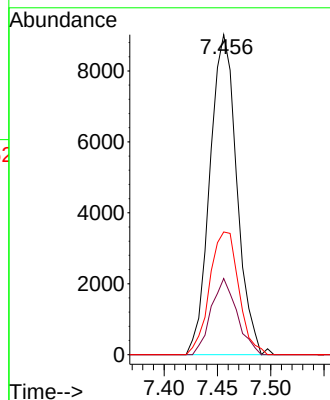
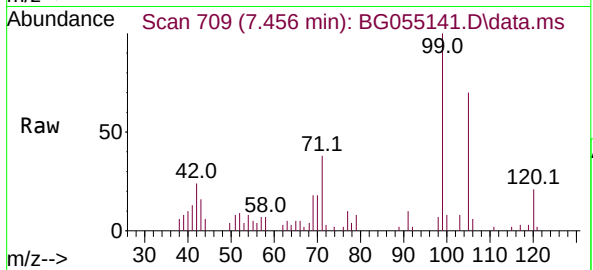




#7
Phenol-d6
Concen: 5.971 ng
RT: 7.456 min Scan# 709
Delta R.T. -0.006 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

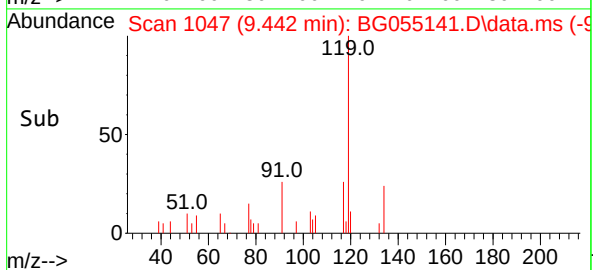
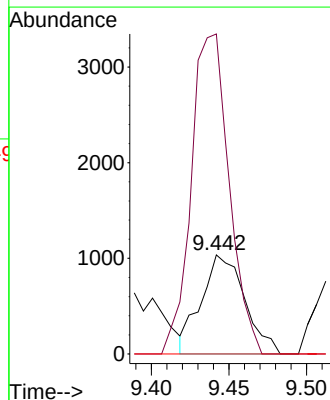
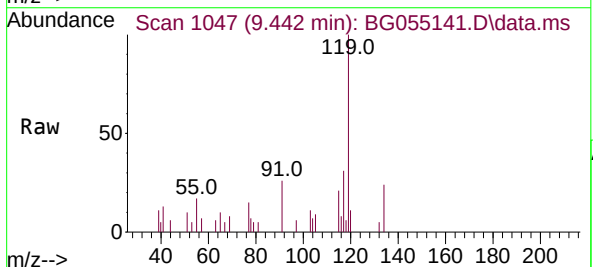
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

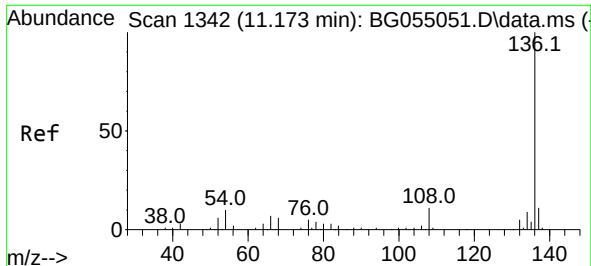
Tgt Ion: 99 Resp: 15831
Ion Ratio Lower Upper
99 100
42 23.8 18.6 28.0
71 38.3 31.2 46.8



#18
Hexachloroethane
Concen: 2.246 ng
RT: 9.442 min Scan# 1047
Delta R.T. 0.005 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

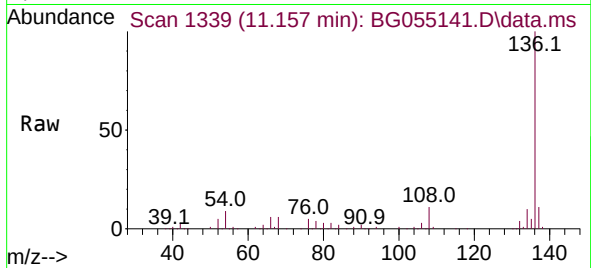
Tgt Ion: 117 Resp: 2019
Ion Ratio Lower Upper
117 100
119 323.0 72.2 108.2#
201 0.0 88.2 132.4#



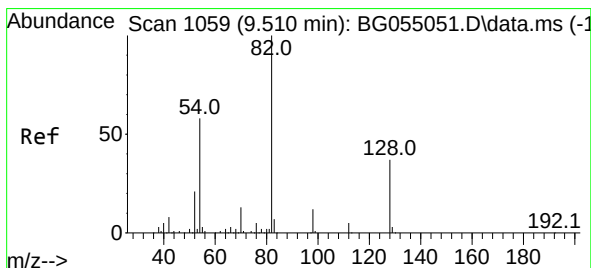
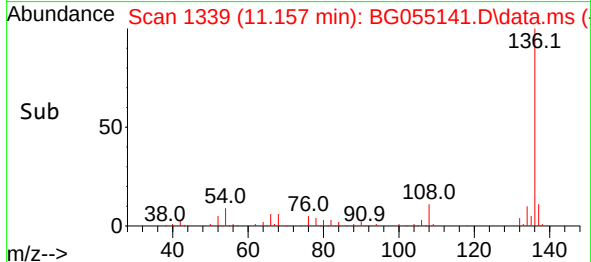
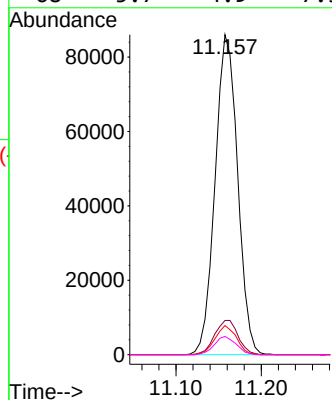


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

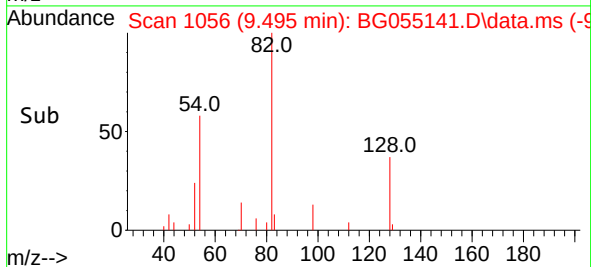
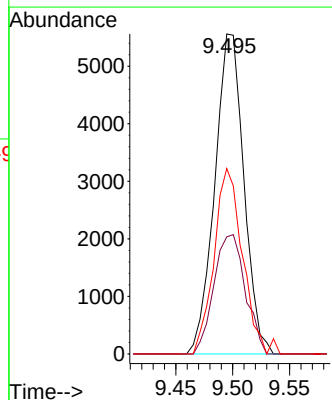
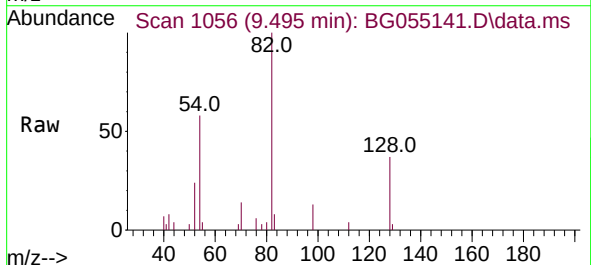


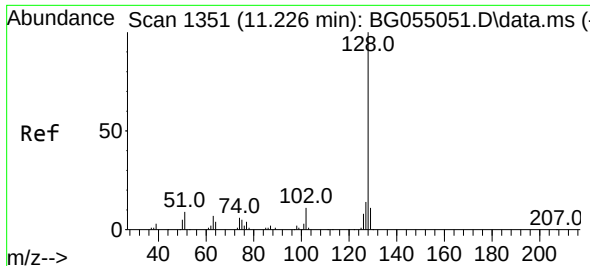
Tgt Ion:136 Resp: 158145
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.1 8.2 12.4
68 5.7 4.9 7.3



#23
Nitrobenzene-d5
Concen: 3.748 ng
RT: 9.495 min Scan# 1056
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion: 82 Resp: 9920
Ion Ratio Lower Upper
82 100
128 36.6 29.5 44.3
54 58.0 46.7 70.1

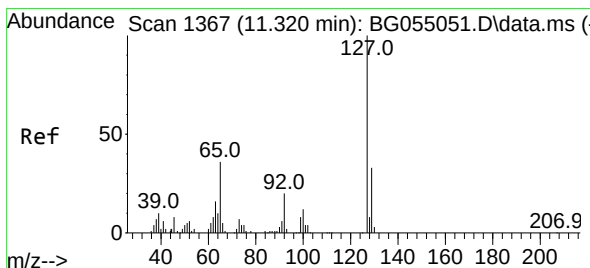
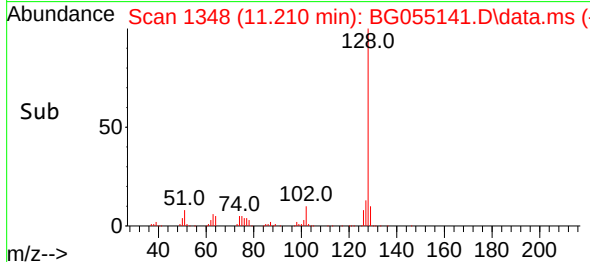
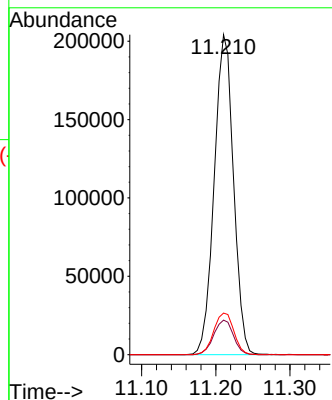
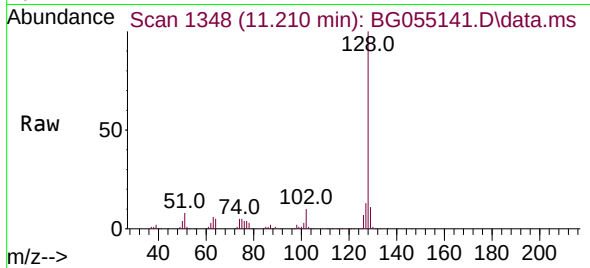




#31
Naphthalene
Concen: 44.134 ng
RT: 11.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

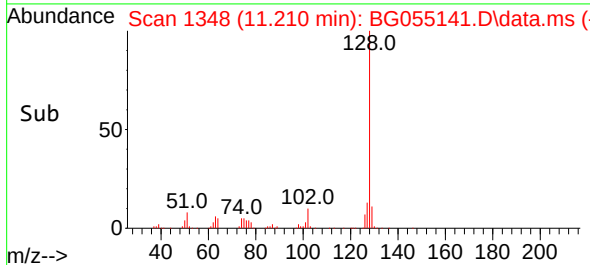
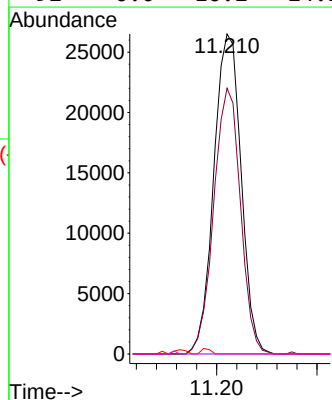
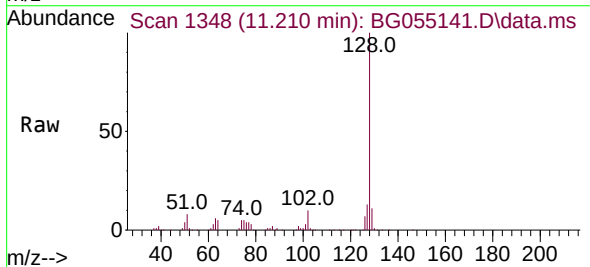
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

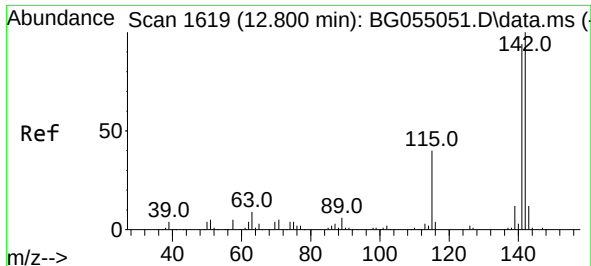
Tgt Ion:128 Resp: 368372
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.0 10.9 16.3



#33
4-Chloroaniline
Concen: 14.478 ng
RT: 11.210 min Scan# 1348
Delta R.T. -0.100 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion:127 Resp: 49967
Ion Ratio Lower Upper
127 100
129 83.0 26.4 39.6#
65 0.0 28.6 43.0#
92 0.0 16.2 24.2#

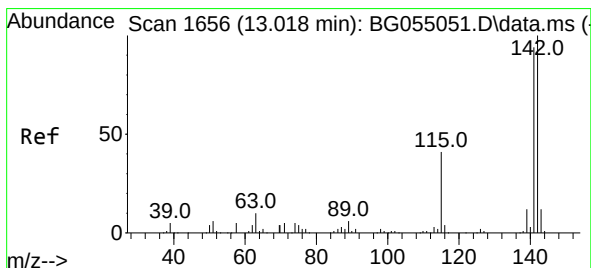
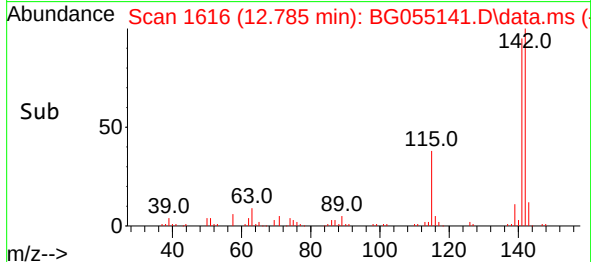
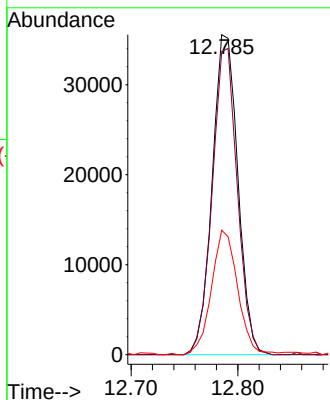
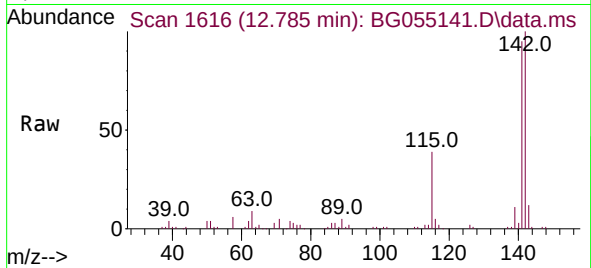




#37
2-Methylnaphthalene
Concen: 9.644 ng
RT: 12.785 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

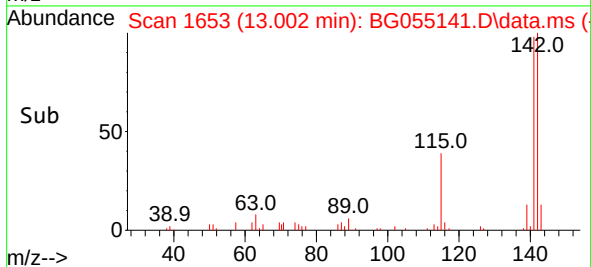
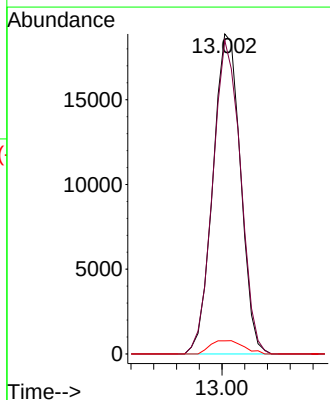
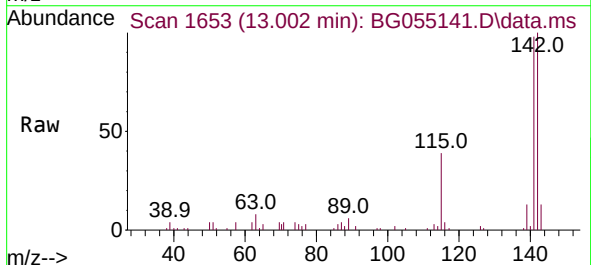
Instrument :
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ClientSampleId :
COMP-B-2-VERTDL

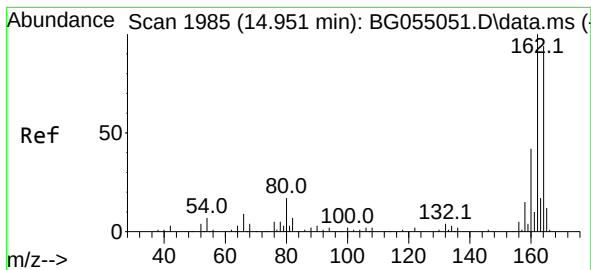
Tgt Ion:142 Resp: 59318
Ion Ratio Lower Upper
142 100
141 94.7 75.0 112.4
115 38.9 31.7 47.5



#38
1-Methylnaphthalene
Concen: 5.317 ng
RT: 13.002 min Scan# 1653
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion:142 Resp: 31812
Ion Ratio Lower Upper
142 100
141 98.0 75.5 113.3
116 4.1 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.935 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BG055141.D

Acq: 12 Oct 2022 14:02

Instrument :

BNA_G

ClientSampleId :

COMP-B-2-VERTDL

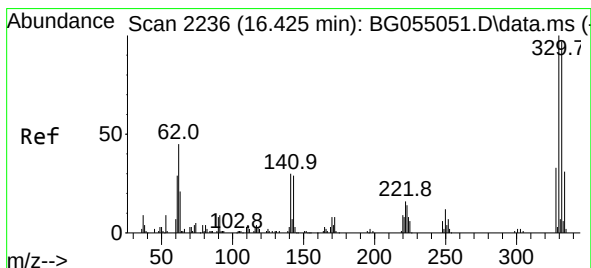
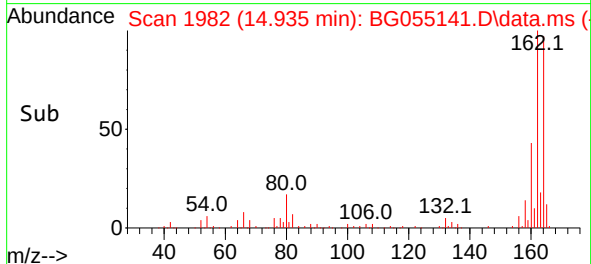
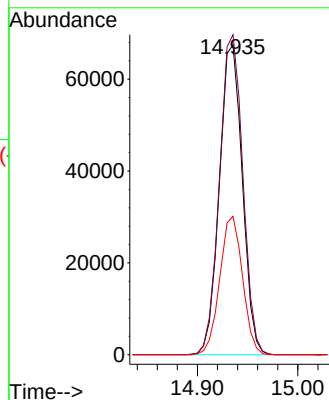
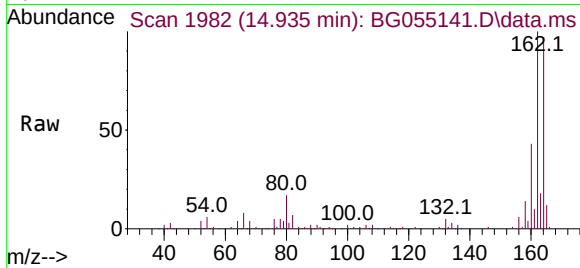
Tgt Ion:164 Resp: 106913

Ion Ratio Lower Upper

164 100

162 103.2 85.5 128.3

160 44.7 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 12.385 ng

RT: 16.410 min Scan# 2233

Delta R.T. -0.006 min

Lab File: BG055141.D

Acq: 12 Oct 2022 14:02

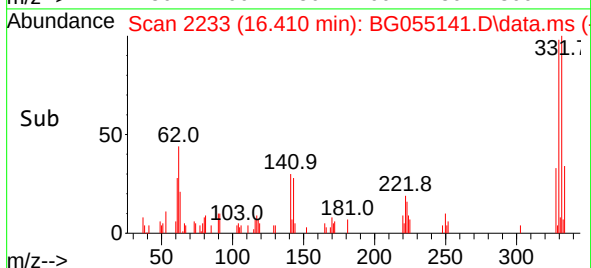
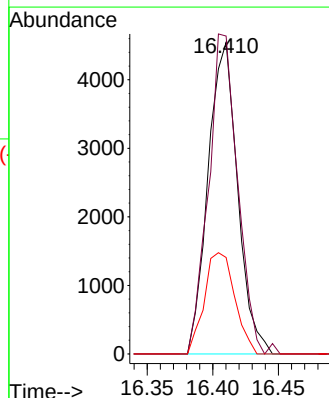
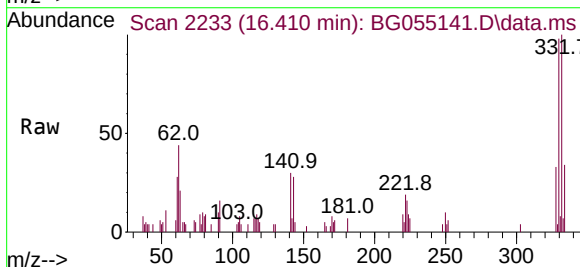
Tgt Ion:330 Resp: 7110

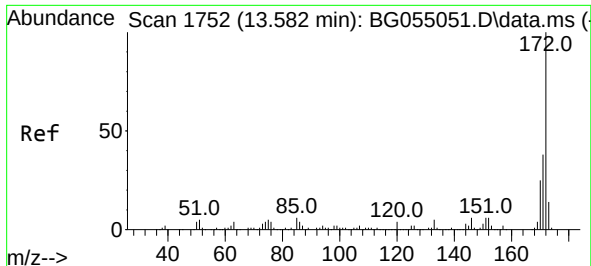
Ion Ratio Lower Upper

330 100

332 101.7 77.4 116.0

141 33.5 25.0 37.4

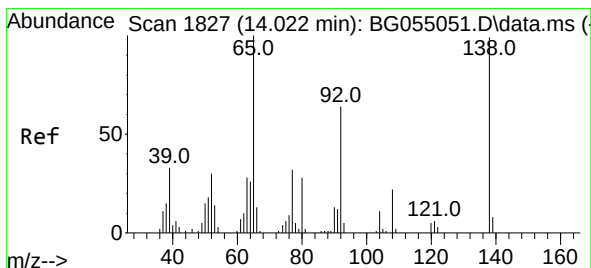
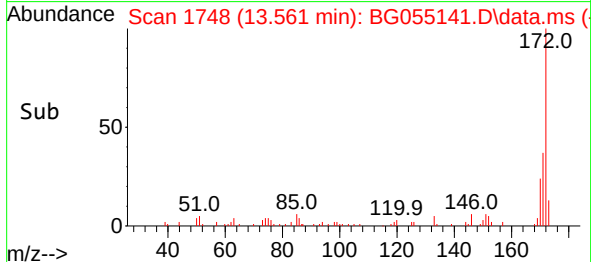
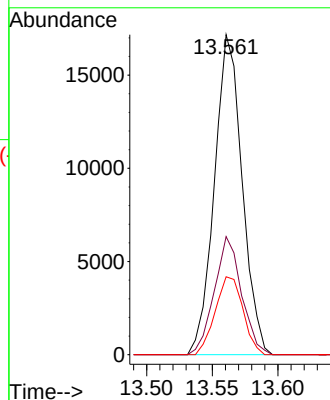
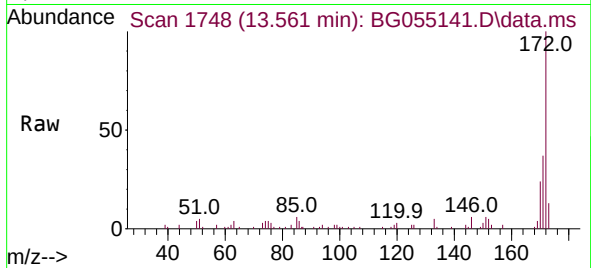




#45
2-Fluorobiphenyl
Concen: 3.681 ng
RT: 13.561 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

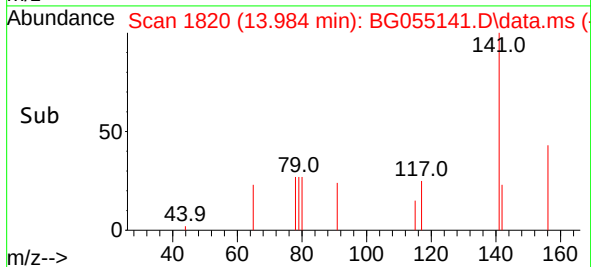
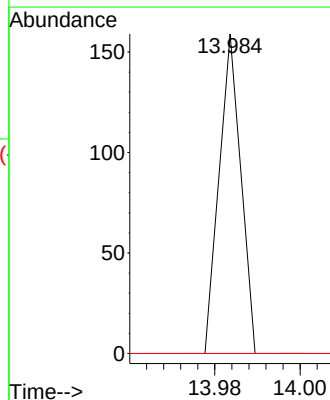
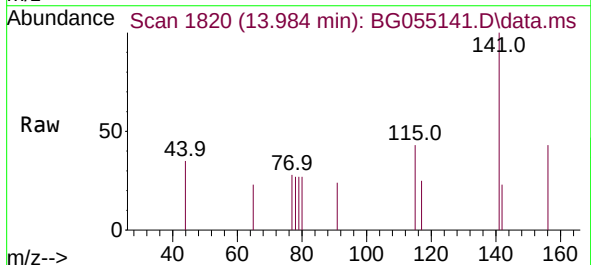
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

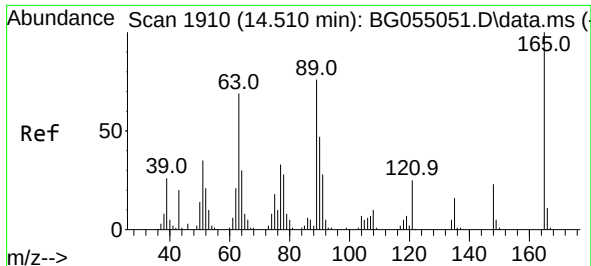
Tgt Ion:172 Resp: 25210
Ion Ratio Lower Upper
172 100
171 36.9 30.1 45.1
170 24.3 20.0 30.0



#48
2-Nitroaniline
Concen: 4.113 ng
RT: 13.984 min Scan# 1820
Delta R.T. -0.036 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 0.0 79.5 119.3#

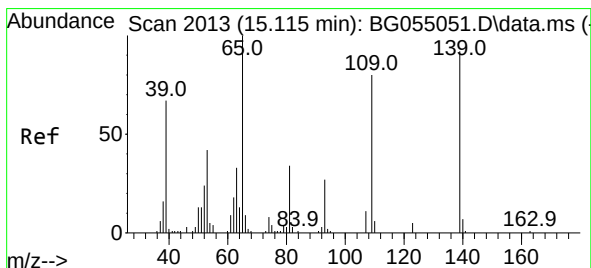
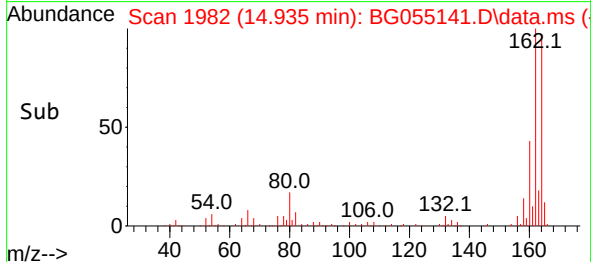
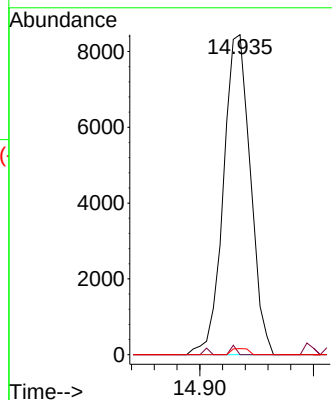
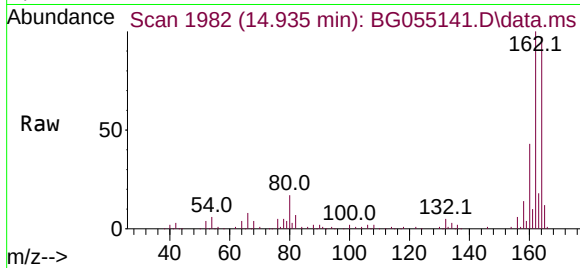




#51
2,6-Dinitrotoluene
Concen: 12.166 ng
RT: 14.935 min Scan# 1910
Delta R.T. 0.428 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

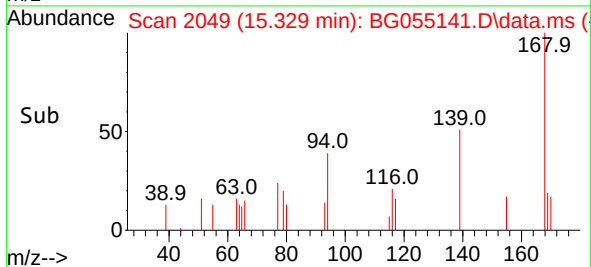
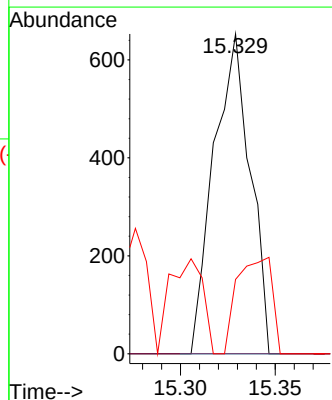
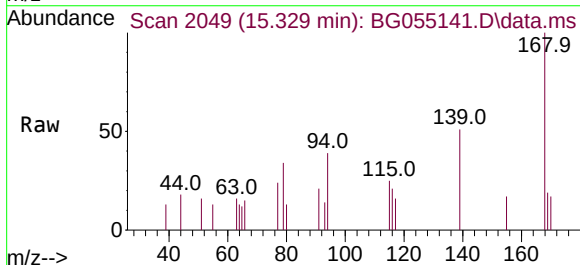
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

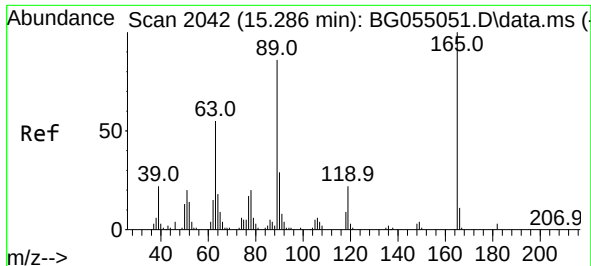
Tgt Ion:165 Resp: 13890
Ion Ratio Lower Upper
165 100
63 0.0 56.2 84.4#
89 1.9 60.4 90.6#



#56
4-Nitrophenol
Concen: 5.530 ng
RT: 15.329 min Scan# 2049
Delta R.T. 0.217 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

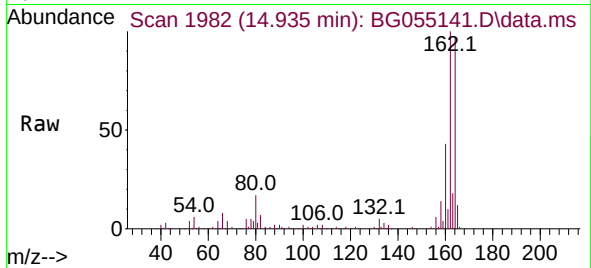
Tgt Ion:139 Resp: 870
Ion Ratio Lower Upper
139 100
109 0.0 66.6 106.6#
65 23.3 88.5 128.5#



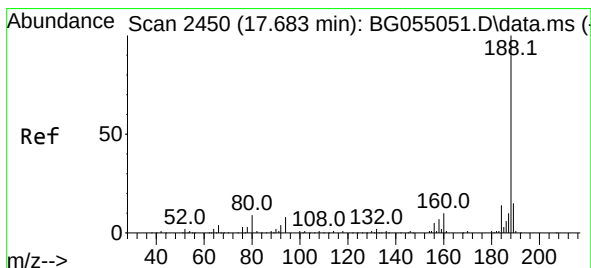
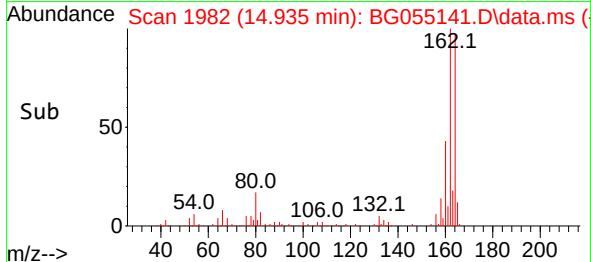
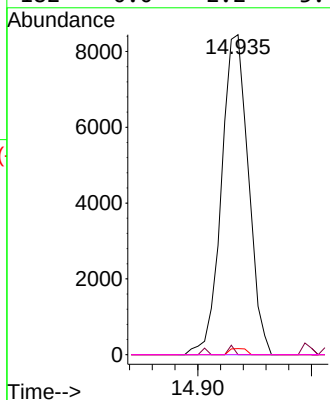


#57
2,4-Dinitrotoluene
Concen: 9.935 ng
RT: 14.935 min Scan# 14935
Delta R.T. -0.347 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

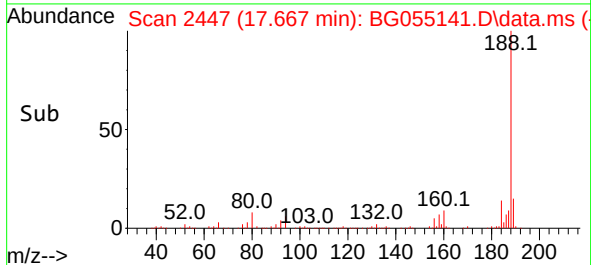
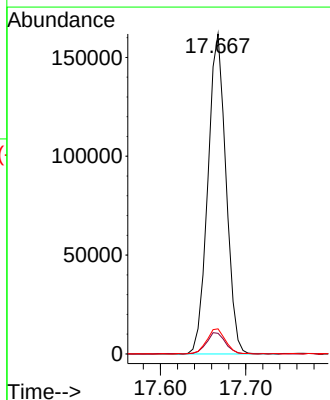
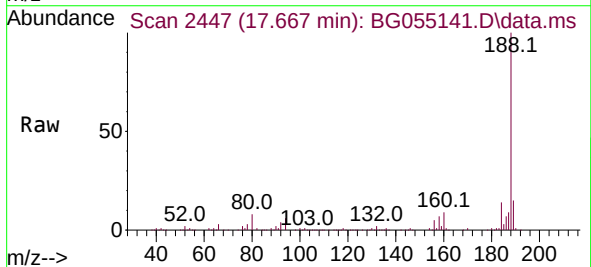


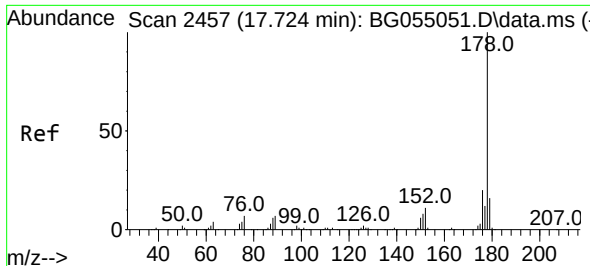
Tgt Ion:165 Resp: 13890
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.2#
89 1.9 69.0 103.6#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.667 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion:188 Resp: 239221
Ion Ratio Lower Upper
188 100
94 6.5 6.2 9.2
80 7.9 7.2 10.8

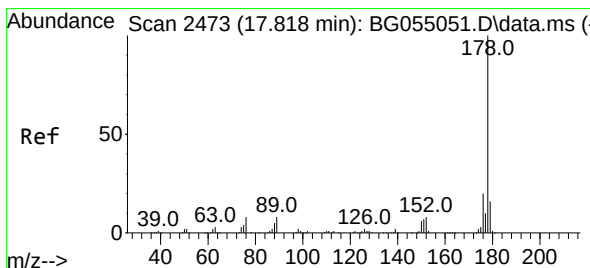
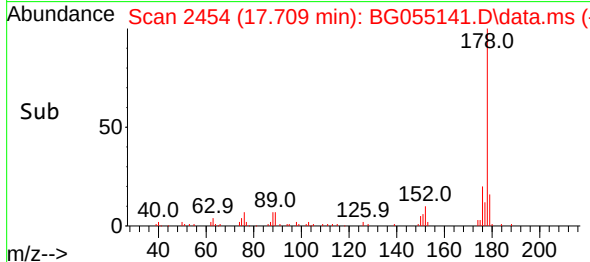
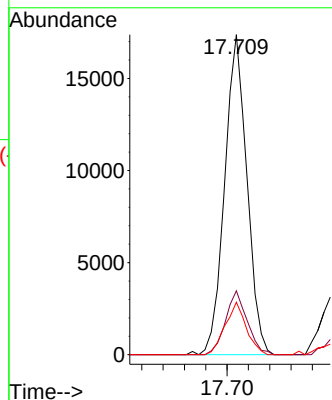
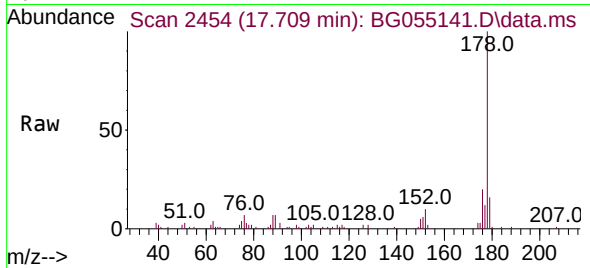




#71
Phenanthrene
Concen: 2.005 ng
RT: 17.709 min Scan# 2454
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

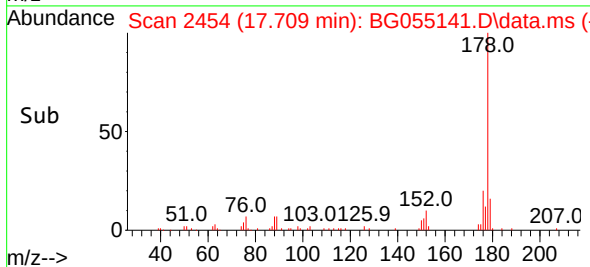
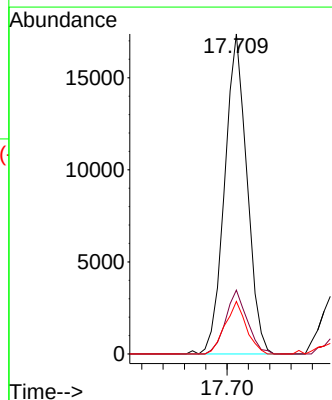
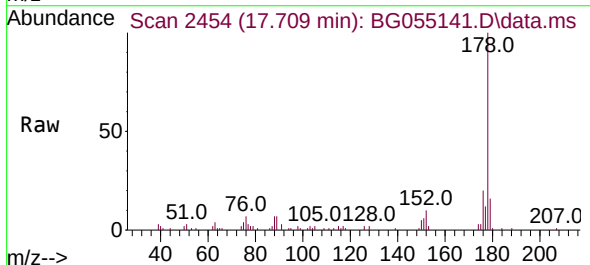
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

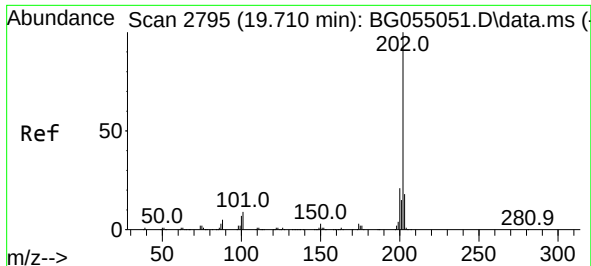
Tgt Ion:178 Resp: 25190
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 16.4 13.2 19.8



#72
Anthracene
Concen: 2.061 ng
RT: 17.709 min Scan# 2454
Delta R.T. -0.100 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion:178 Resp: 25190
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 16.4 12.5 18.7

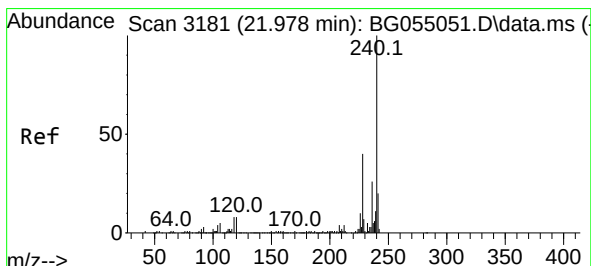
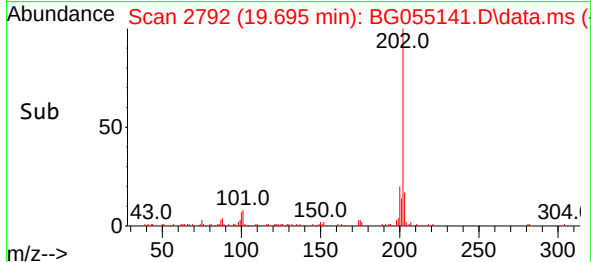
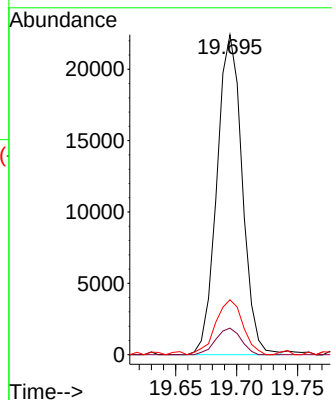
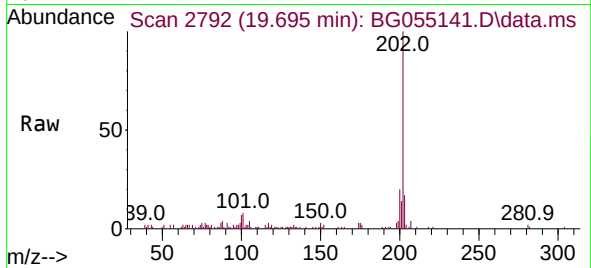




#75
Fluoranthene
Concen: 2.065 ng
RT: 19.695 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

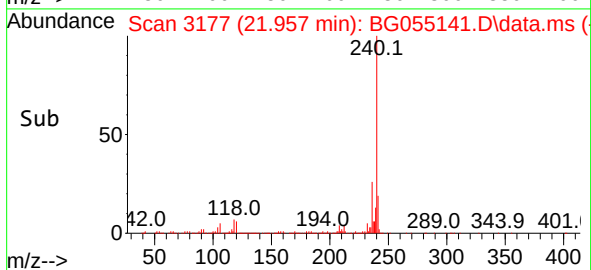
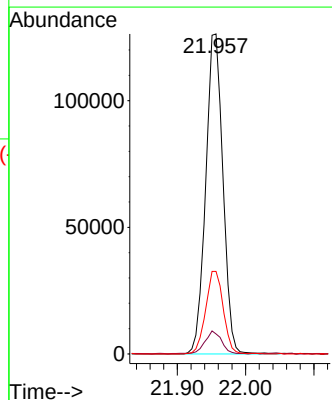
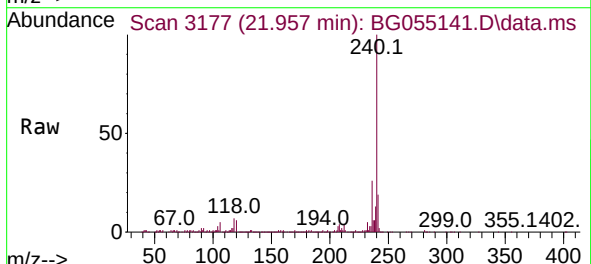
Instrument :
BNA_G
ClientSampleId :
COMP-B-2-VERTDL

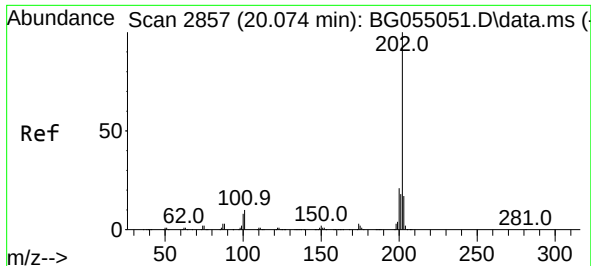
Tgt Ion:202 Resp: 32373
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.9
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.957 min Scan# 3177
Delta R.T. -0.012 min
Lab File: BG055141.D
Acq: 12 Oct 2022 14:02

Tgt Ion:240 Resp: 221799
Ion Ratio Lower Upper
240 100
120 6.3 6.2 9.4
236 25.8 20.6 30.8

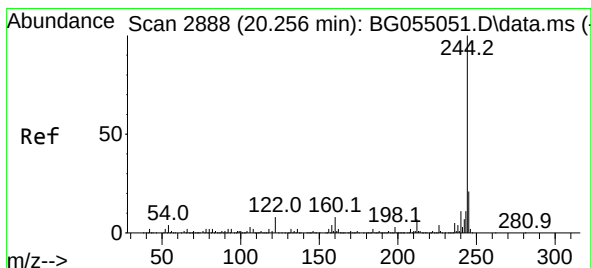
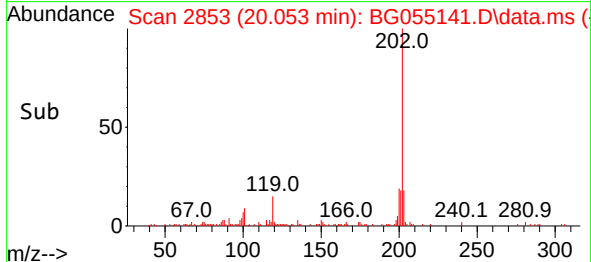
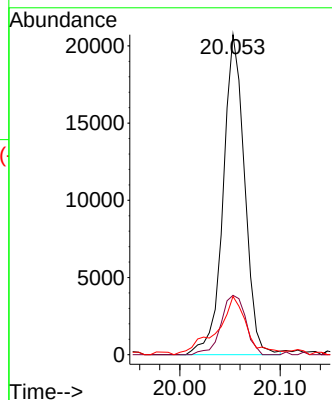
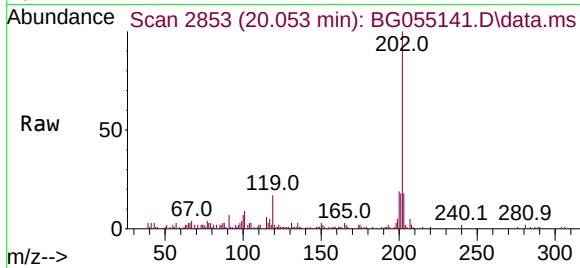




#78
 Pyrene
 Concen: 2.086 ng
 RT: 20.053 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG055141.D
 Acq: 12 Oct 2022 14:02

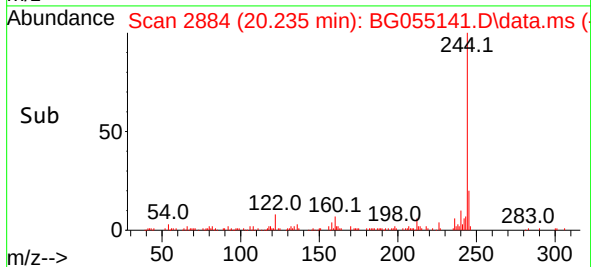
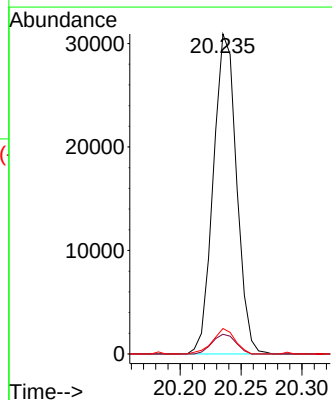
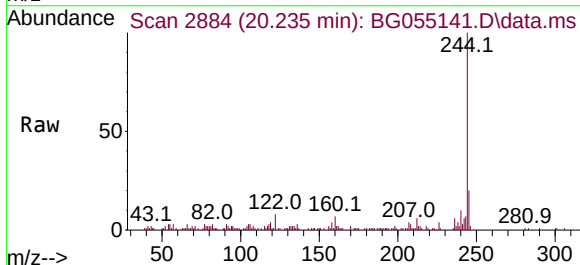
Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-2-VERTDL

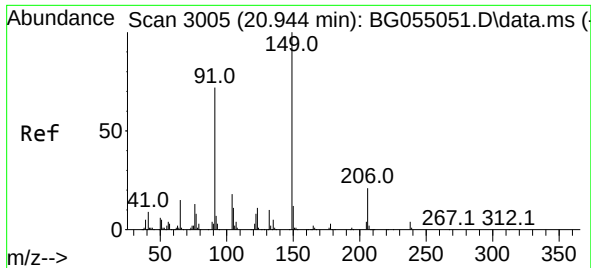
Tgt Ion:202 Resp: 30768
 Ion Ratio Lower Upper
 202 100
 200 18.5 16.6 25.0
 203 18.2 14.0 21.0



#79
 Terphenyl-d14
 Concen: 3.743 ng
 RT: 20.235 min Scan# 2884
 Delta R.T. -0.018 min
 Lab File: BG055141.D
 Acq: 12 Oct 2022 14:02

Tgt Ion:244 Resp: 41071
 Ion Ratio Lower Upper
 244 100
 212 6.1 6.0 9.0
 122 8.0 6.6 10.0

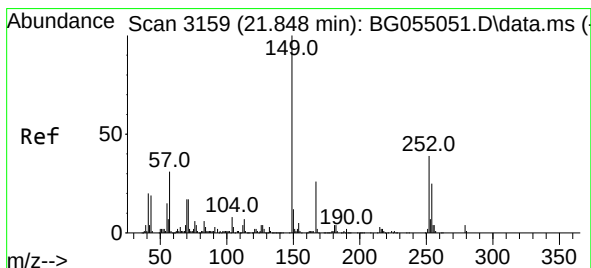
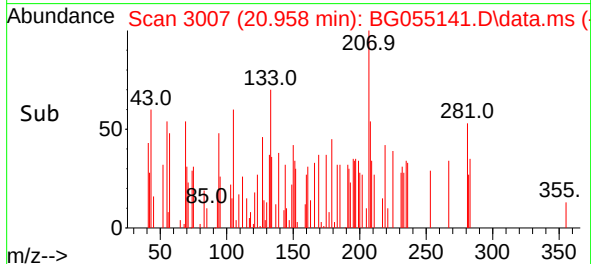
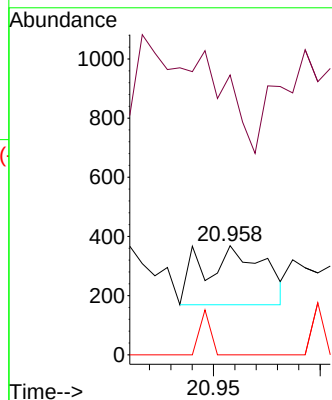
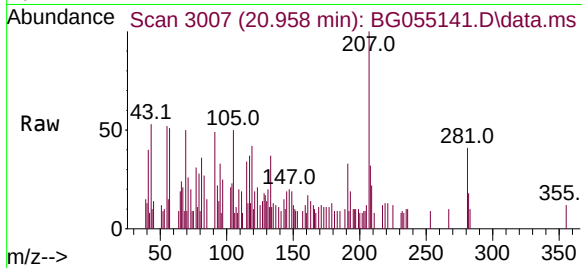




#80
 Butylbenzylphthalate
 Concen: 4.914 ng
 RT: 20.958 min Scan# 3007
 Delta R.T. 0.023 min
 Lab File: BG055141.D
 Acq: 12 Oct 2022 14:02

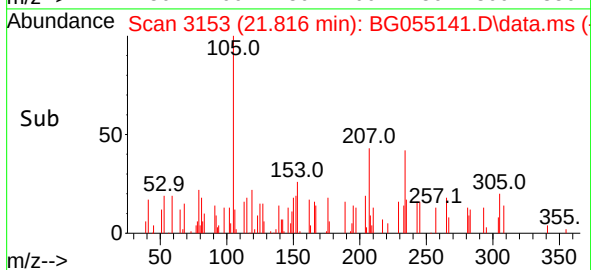
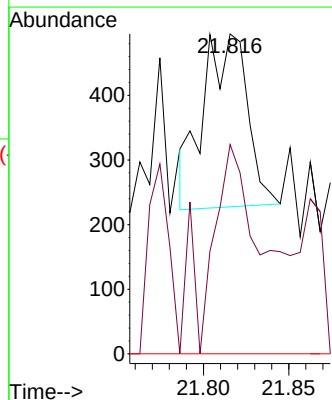
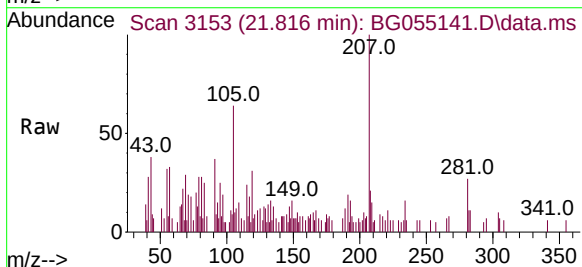
Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-2-VERTDL

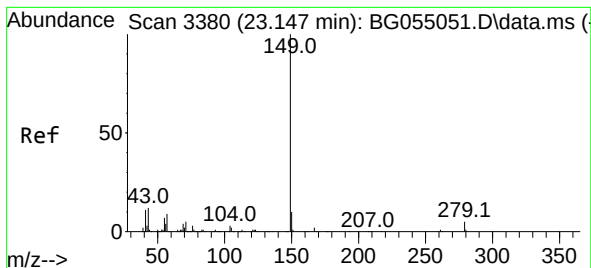
Tgt Ion:149 Resp: 390
 Ion Ratio Lower Upper
 149 100
 91 256.4 57.8 86.8#
 206 0.0 16.9 25.3#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.165 ng
 RT: 21.816 min Scan# 3153
 Delta R.T. -0.018 min
 Lab File: BG055141.D
 Acq: 12 Oct 2022 14:02

Tgt Ion:149 Resp: 481
 Ion Ratio Lower Upper
 149 100
 167 65.5 21.0 31.4#
 279 0.0 3.4 5.2#





#85

Di-n-octyl phthalate

Concen: 4.357 ng

RT: 23.102 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG055141.D

Acq: 12 Oct 2022 14:02

Instrument :

BNA_G

ClientSampleId :

COMP-B-2-VERTDL

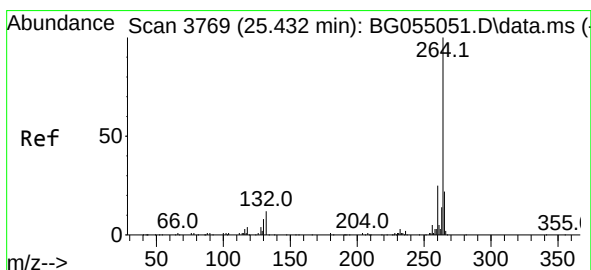
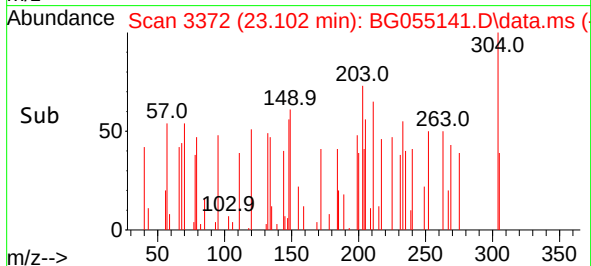
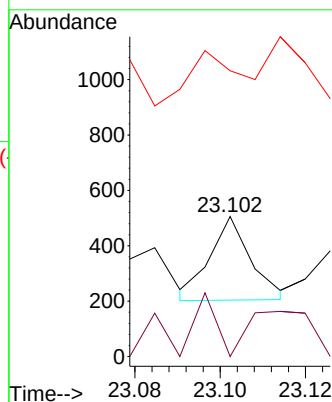
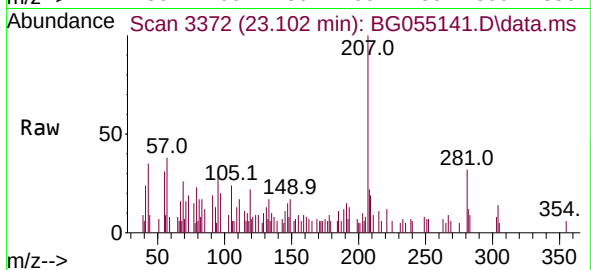
Tgt Ion:149 Resp: 200

Ion Ratio Lower Upper

149 100

167 40.5 1.3 1.9#

43 0.0 10.2 15.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.394 min Scan# 3762

Delta R.T. -0.024 min

Lab File: BG055141.D

Acq: 12 Oct 2022 14:02

Tgt Ion:264 Resp: 236771

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 21.7 17.8 26.6

