

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070622\
 Data File : BG054216.D
 Acq On : 6 Jul 2022 12:14
 Operator : CG/JU
 Sample : N3571-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16128

Quant Time: Jul 06 14:17:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

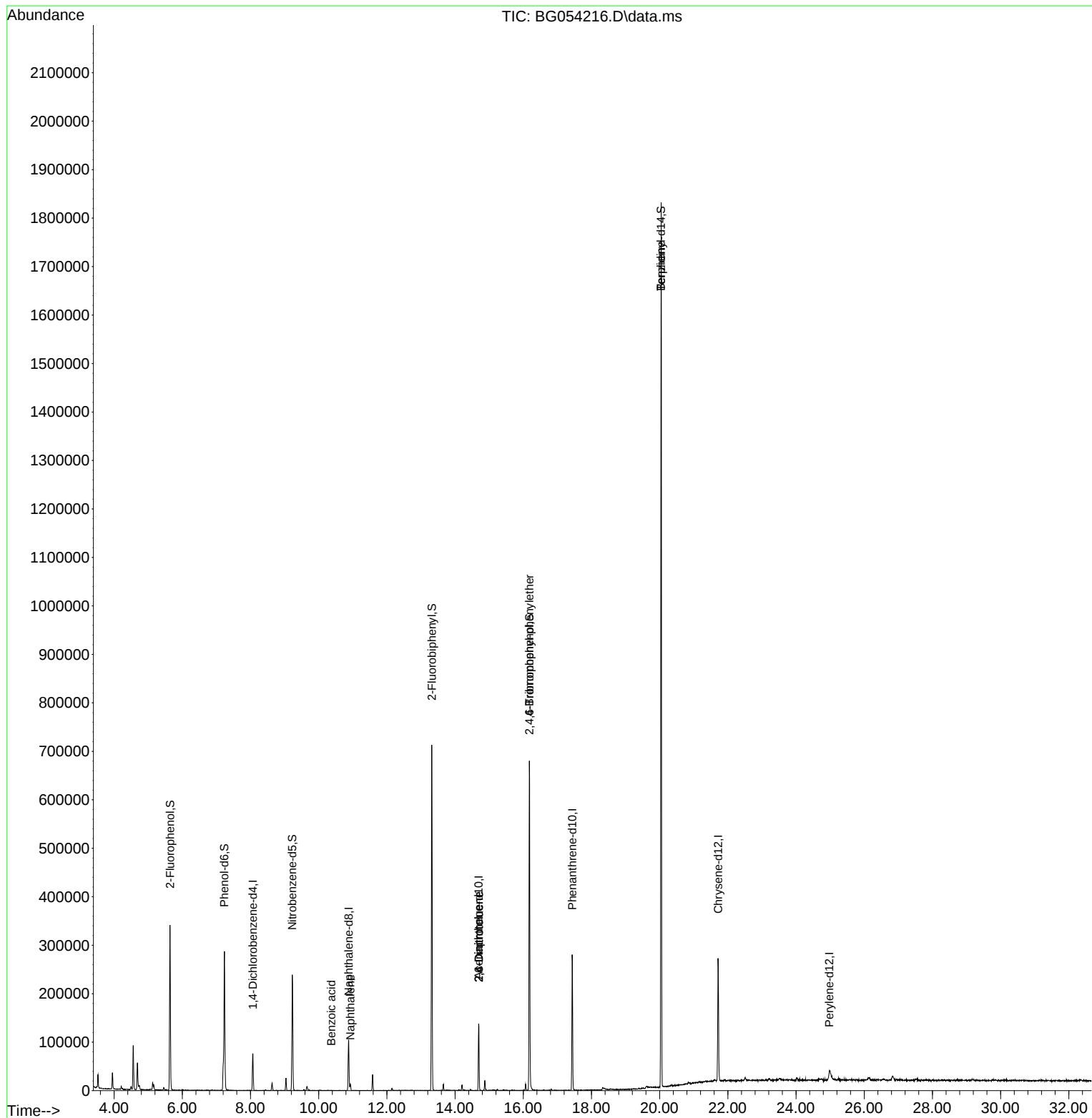
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	24412	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	95792	20.000	ng	# 0.00
39) Acenaphthene-d10	14.692	164	46587	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	190007	20.000	ng	0.00
76) Chrysene-d12	21.713	240	137435	20.000	ng	0.00
86) Perylene-d12	24.974	264	9375	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	158422	124.074	ng	0.00
7) Phenol-d6	7.236	99	159786	92.249	ng	0.00
23) Nitrobenzene-d5	9.228	82	152542	89.488	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	174151	232.666	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	417598	130.346	ng	0.00
79) Terphenyl-d14	20.045	244	978788	143.439	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.932	128	12834	2.654	ng	99
32) Benzoic acid	10.368	122	146	11.499	ng	# 1
51) 2,6-Dinitrotoluene	14.698	165	6450	8.998	ng	# 16
57) 2,4-Dinitrotoluene	14.698	165	6450	6.371	ng	# 21
67) 4-Bromophenyl-phenylether	16.179	248	11102	4.678	ng	# 1
77) Benzidine	20.045	184	13211	4.642	ng	96

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

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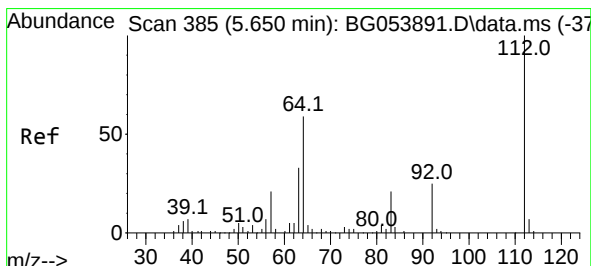
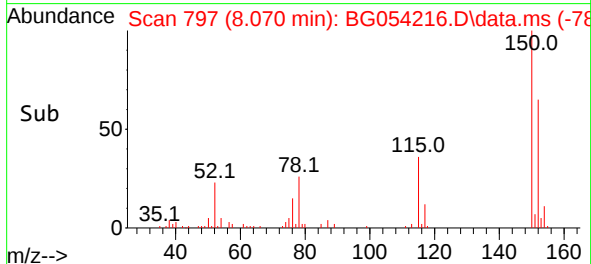
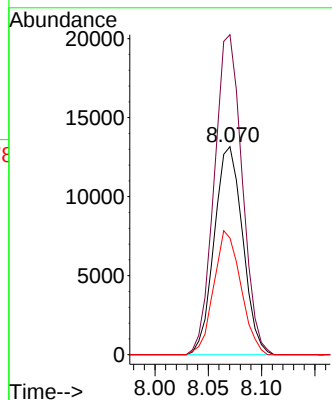
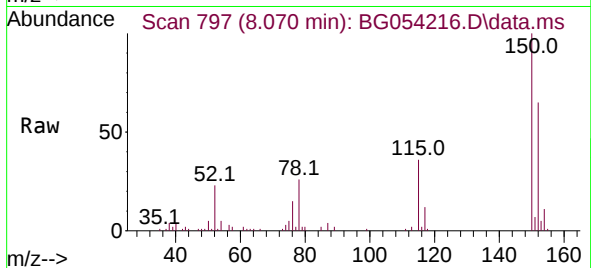




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

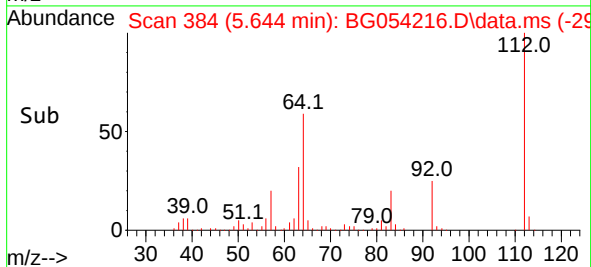
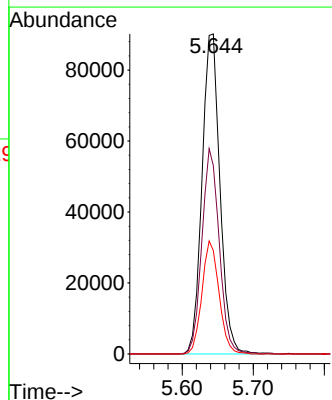
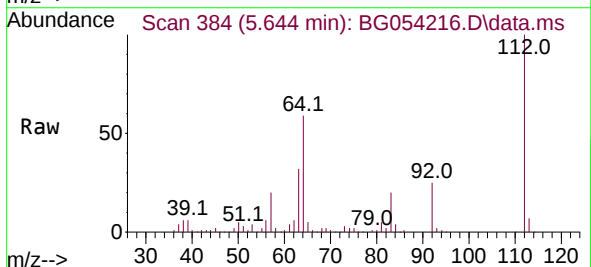
Instrument :
BNA_G
ClientSampleId :
VB16128

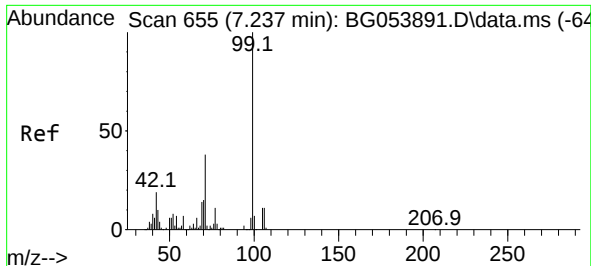
Tgt Ion:152 Resp: 24412
Ion Ratio Lower Upper
152 100
150 153.8 131.6 197.4
115 56.1 50.9 76.3



#5
2-Fluorophenol
Concen: 124.074 ng
RT: 5.644 min Scan# 384
Delta R.T. 0.006 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Tgt Ion:112 Resp: 158422
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 32.3 30.4 45.6

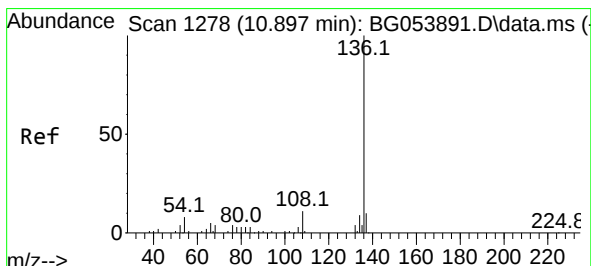
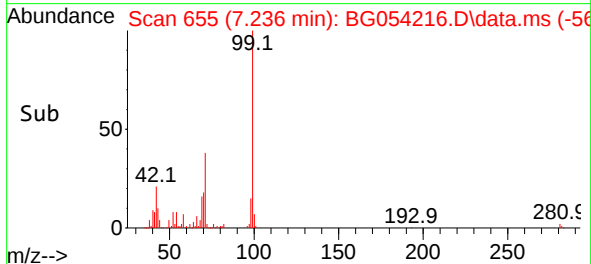
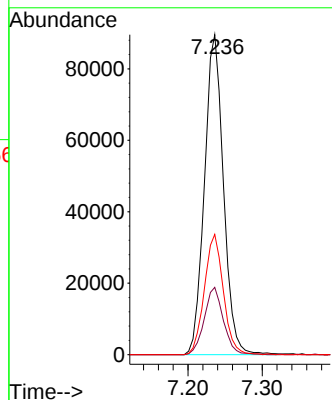
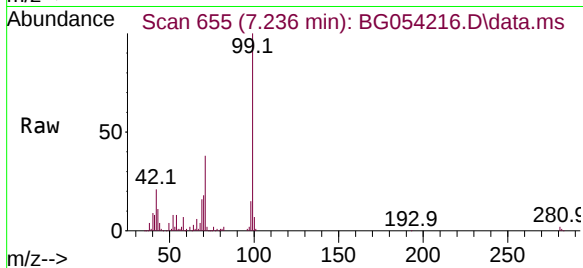




#7
Phenol-d6
Concen: 92.249 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

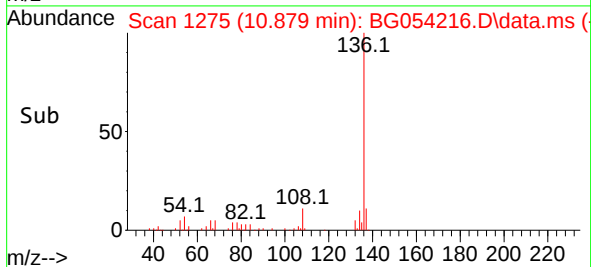
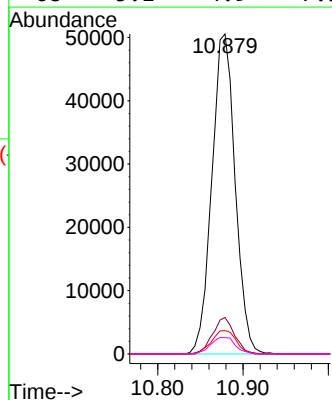
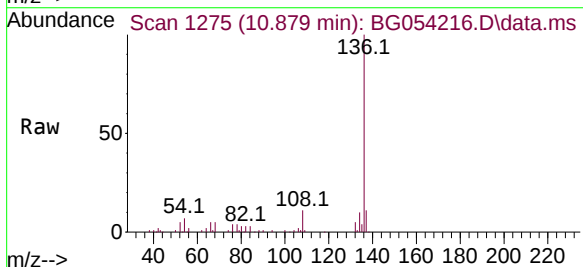
Instrument :
BNA_G
ClientSampleId :
VB16128

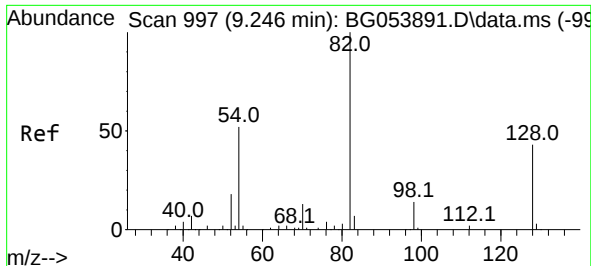
Tgt Ion: 99 Resp: 159786
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 37.6 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Tgt Ion:136 Resp: 95792
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 7.3 7.4 11.2#
68 5.1 4.9 7.3

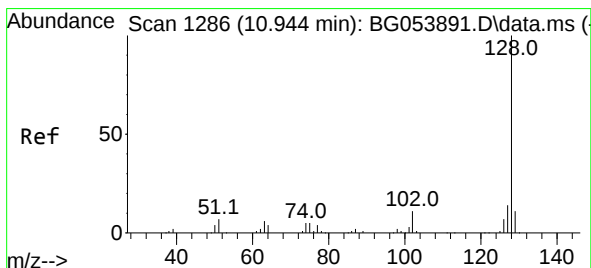
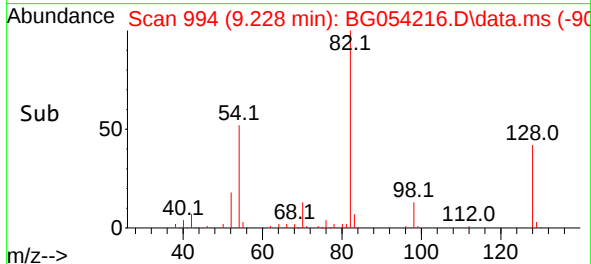
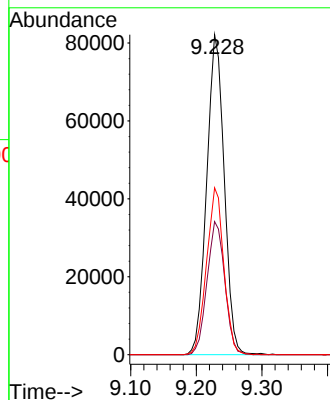
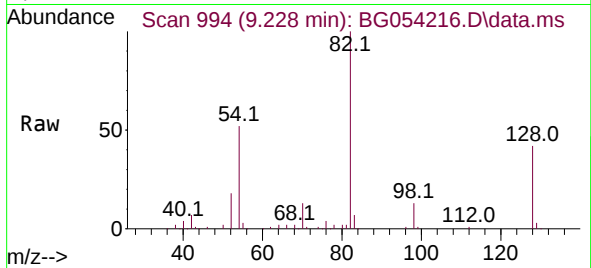




#23
Nitrobenzene-d5
Concen: 89.488 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

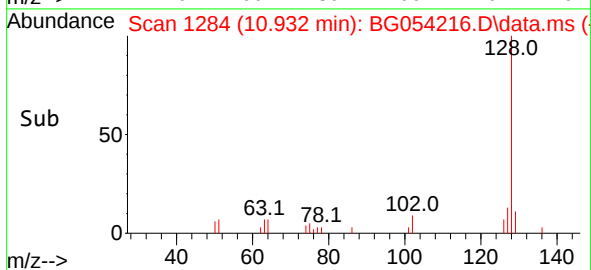
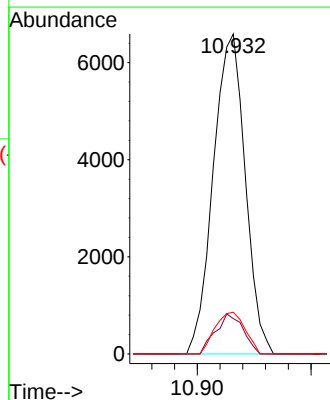
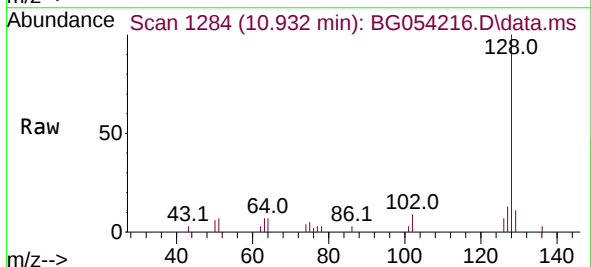
Instrument :
BNA_G
ClientSampleId :
VB16128

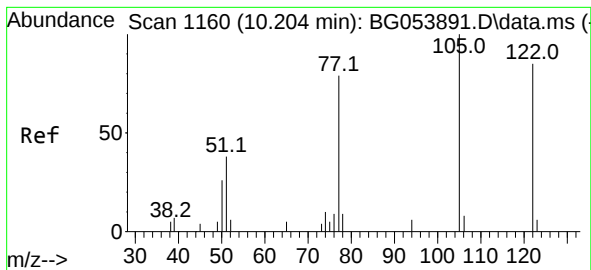
Tgt Ion: 82 Resp: 152542
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 52.2 41.2 61.8



#31
Naphthalene
Concen: 2.654 ng
RT: 10.932 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Tgt Ion: 128 Resp: 12834
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.0 11.1 16.7





#32

Benzoic acid

Concen: 11.499 ng

RT: 10.368 min Scan# 1160

Delta R.T. 0.170 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

Instrument :

BNA_G

ClientSampleId :

VB16128

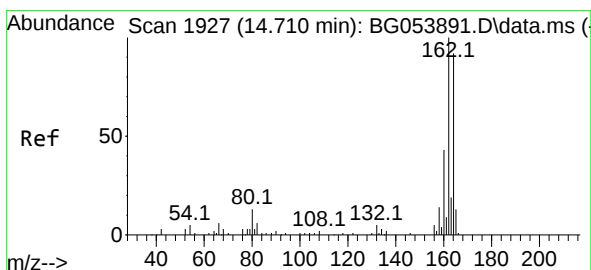
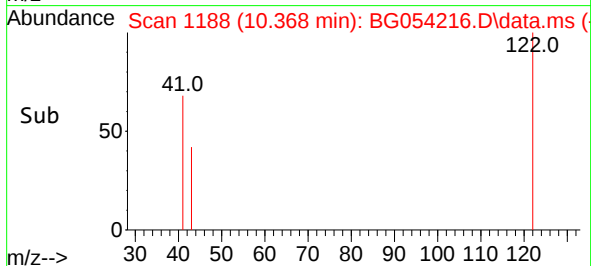
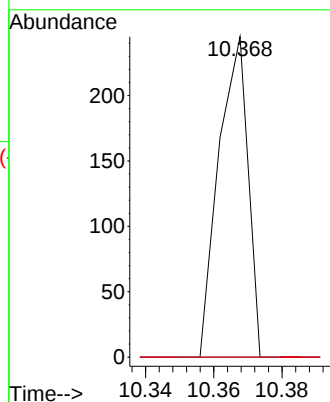
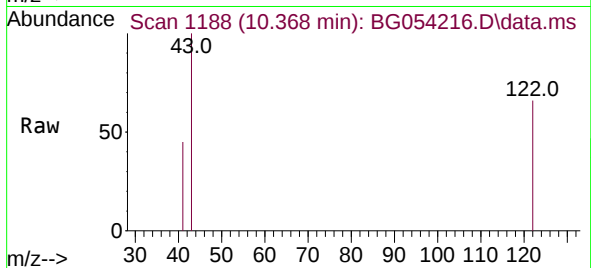
Tgt Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.692 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

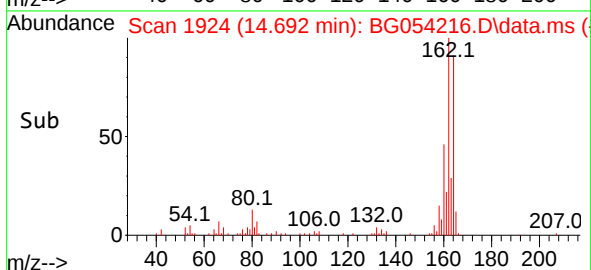
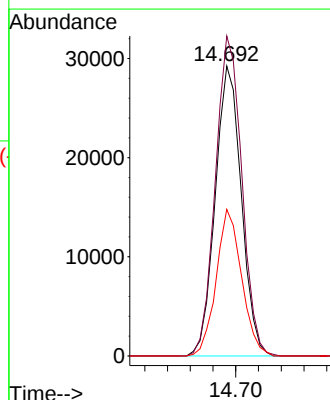
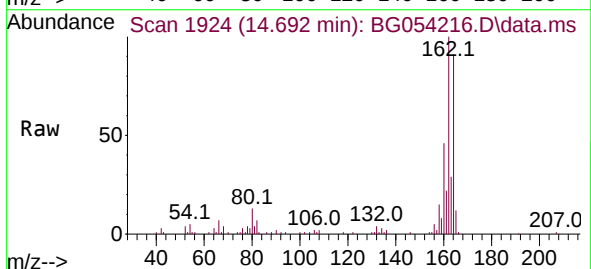
Tgt Ion:164 Resp: 46587

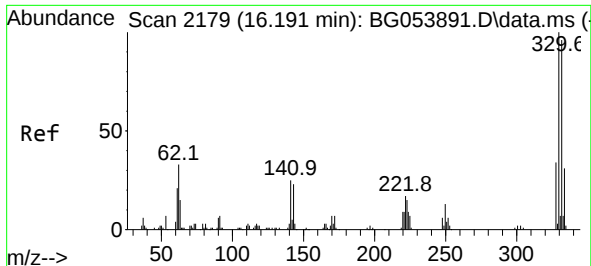
Ion Ratio Lower Upper

164 100

162 110.4 82.3 123.5

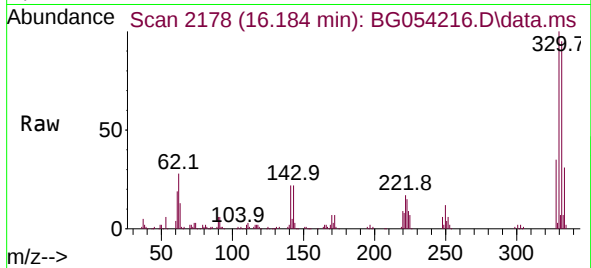
160 50.5 34.2 51.2



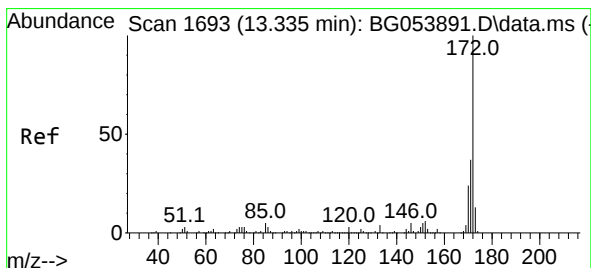
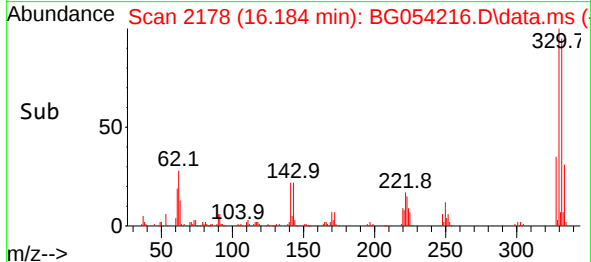
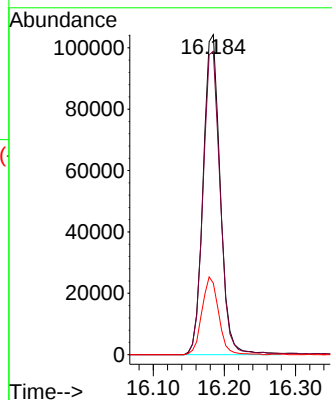


#42
2,4,6-Tribromophenol
Concen: 232.666 ng
RT: 16.184 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Instrument :
BNA_G
ClientSampleId :
VB16128

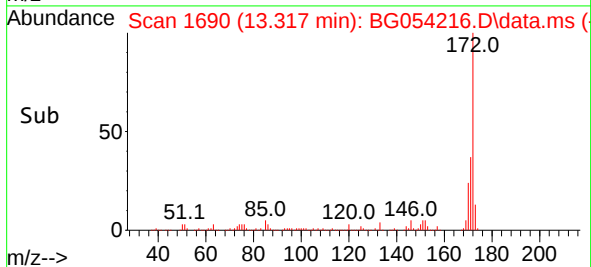
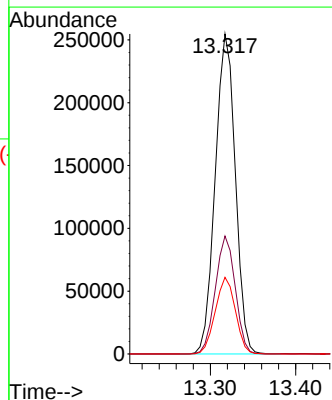
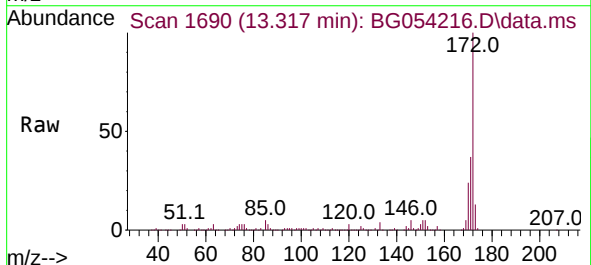


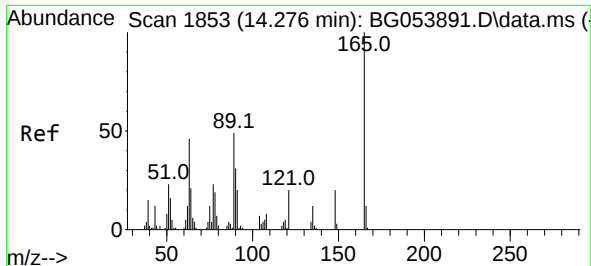
Tgt Ion:330 Resp: 174151
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 23.8 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 130.346 ng
RT: 13.317 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Tgt Ion:172 Resp: 417598
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.0 18.9 28.3

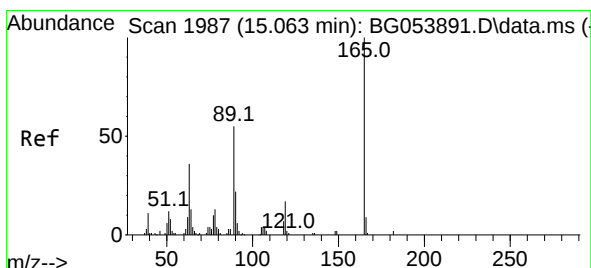
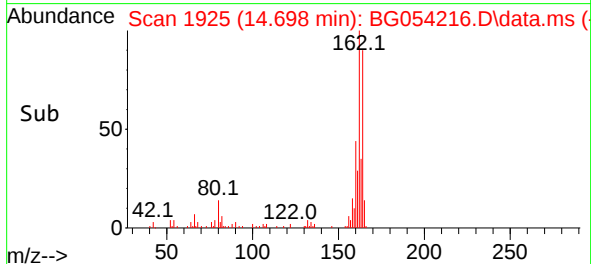
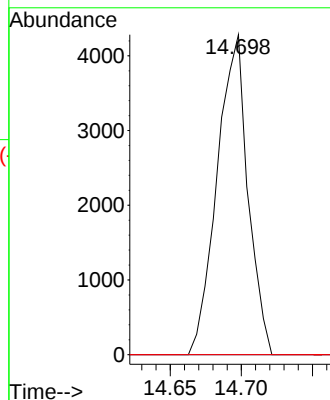
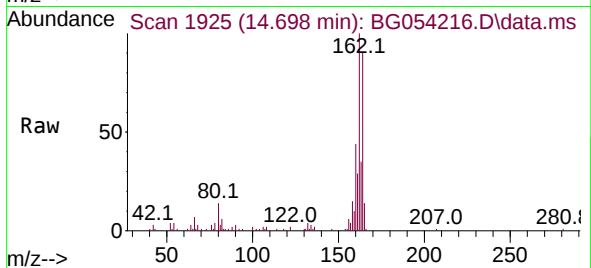




#51
2,6-Dinitrotoluene
Concen: 8.998 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.435 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

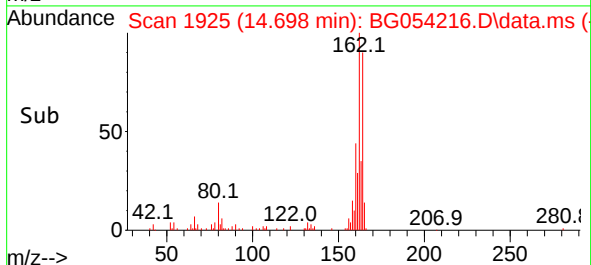
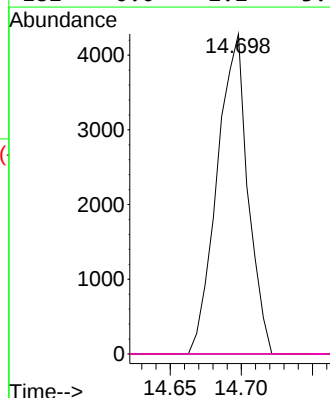
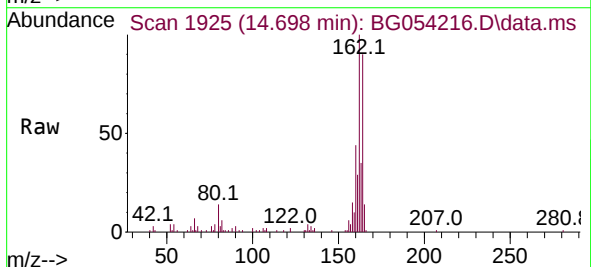
Instrument :
BNA_G
ClientSampleId :
VB16128

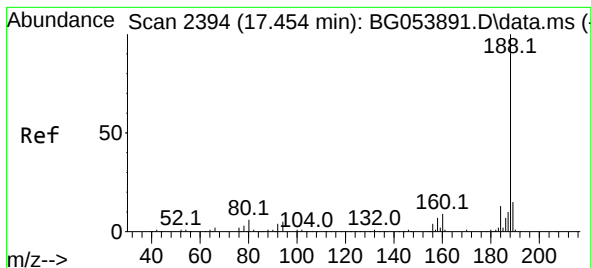
Tgt Ion:165 Resp: 6450
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 14.698 min Scan# 1925
Delta R.T. -0.353 min
Lab File: BG054216.D
Acq: 6 Jul 2022 12:14

Tgt Ion:165 Resp: 6450
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.436 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

Instrument :

BNA_G

ClientSampleId :

VB16128

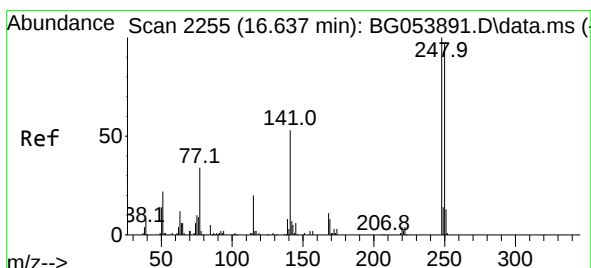
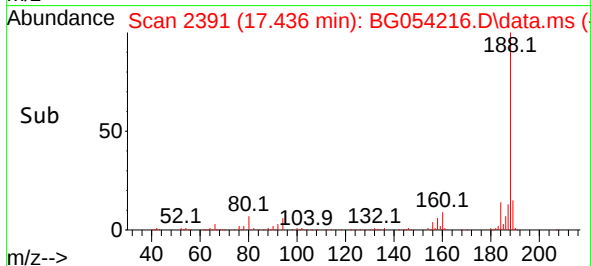
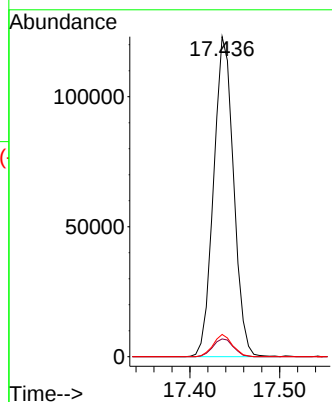
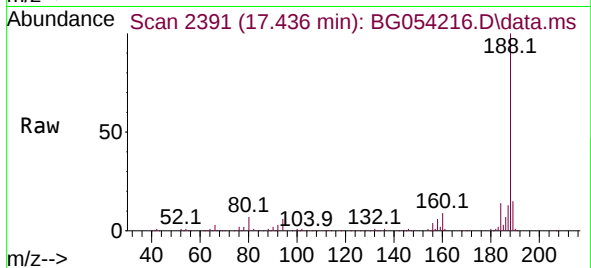
Tgt Ion:188 Resp: 190007

Ion Ratio Lower Upper

188 100

94 5.6 5.4 8.0

80 6.9 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 4.678 ng

RT: 16.179 min Scan# 2177

Delta R.T. -0.447 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

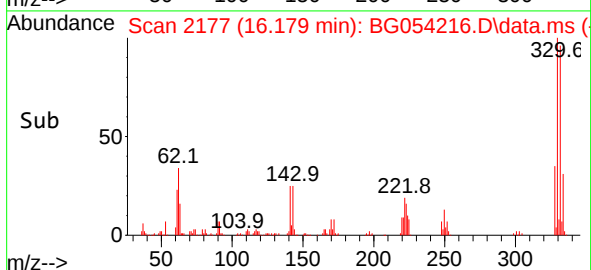
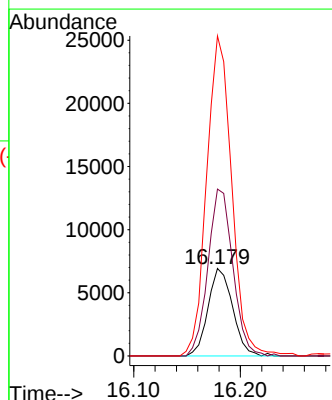
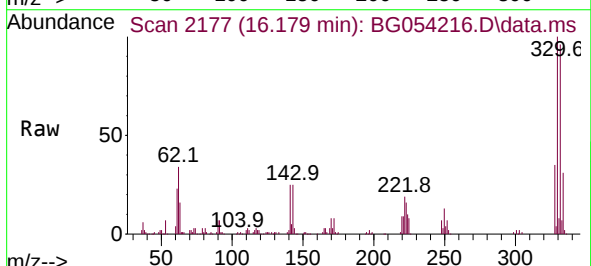
Tgt Ion:248 Resp: 11102

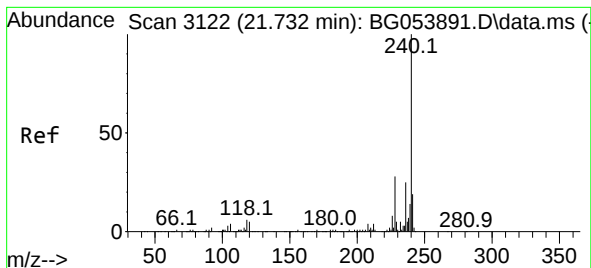
Ion Ratio Lower Upper

248 100

250 248.6 75.2 112.8#

141 365.9 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.713 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

Instrument :

BNA_G

ClientSampleId :

VB16128

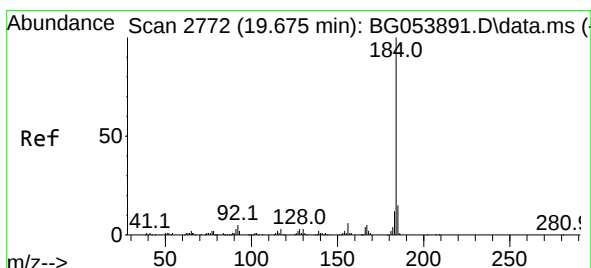
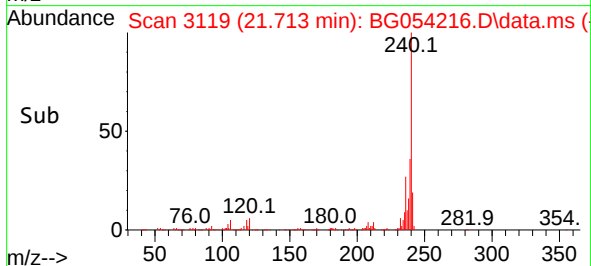
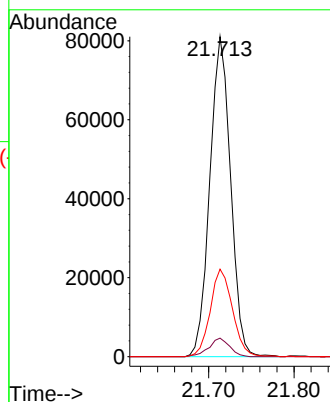
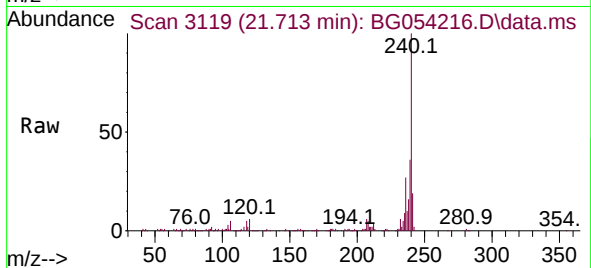
Tgt Ion:240 Resp: 137435

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

236 27.4 20.2 30.4



#77

Benzidine

Concen: 4.642 ng

RT: 20.045 min Scan# 2835

Delta R.T. 0.382 min

Lab File: BG054216.D

Acq: 6 Jul 2022 12:14

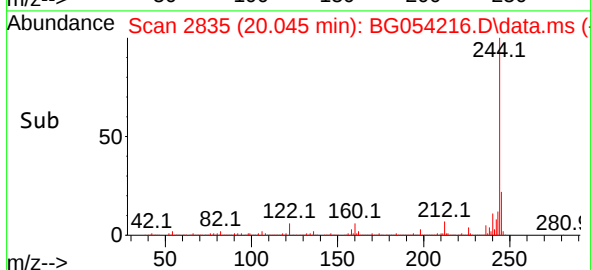
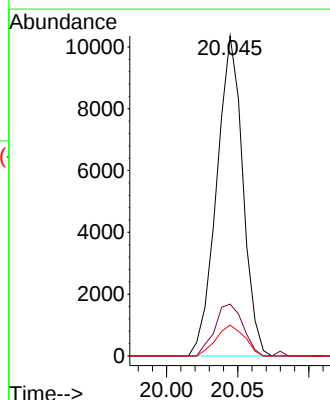
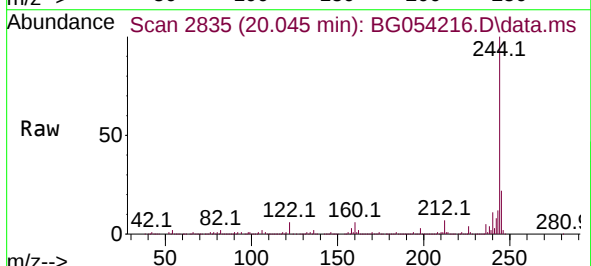
Tgt Ion:184 Resp: 13211

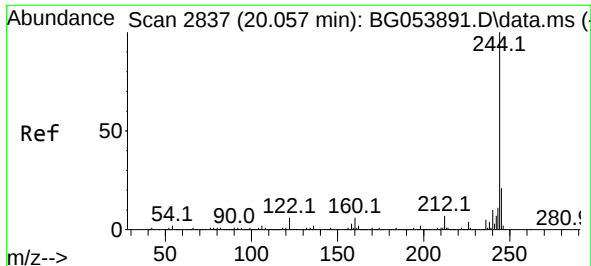
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 9.6 8.9 13.3

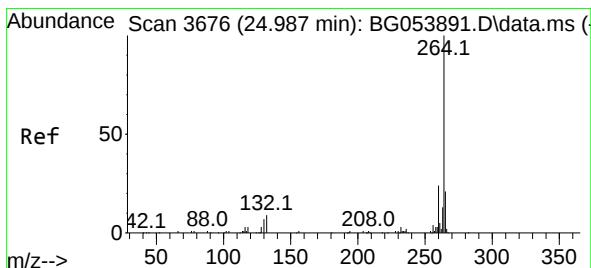
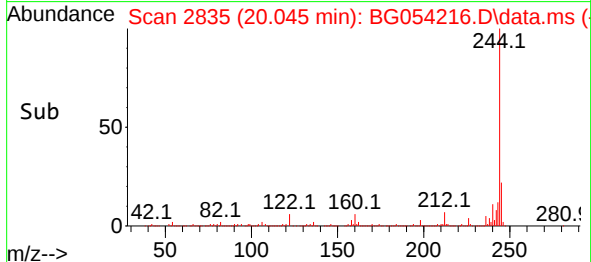
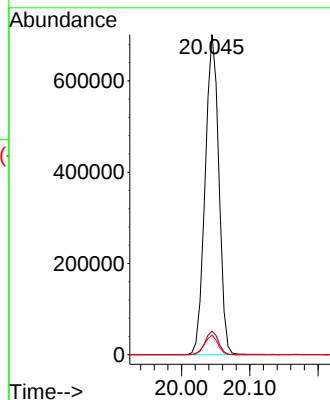
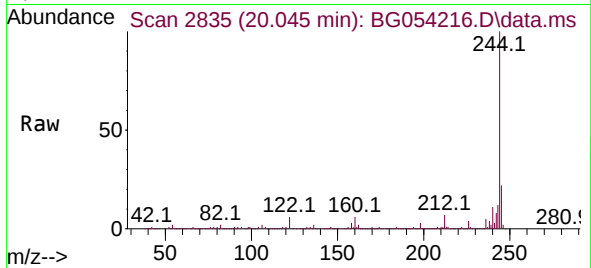




#79
 Terphenyl-d14
 Concen: 143.439 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054216.D
 Acq: 6 Jul 2022 12:14

Instrument :
 BNA_G
 ClientSampleId :
 VB16128

Tgt Ion:244 Resp: 978788
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.1 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.974 min Scan# 3674
 Delta R.T. 0.012 min
 Lab File: BG054216.D
 Acq: 6 Jul 2022 12:14

Tgt Ion:264 Resp: 9375
 Ion Ratio Lower Upper
 264 100
 260 34.8 19.0 28.6#
 265 23.4 17.4 26.2

