

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054462.D
 Acq On : 1 Aug 2022 13:14
 Operator : CG/JU
 Sample : N3896-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-65

Quant Time: Aug 02 05:45:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

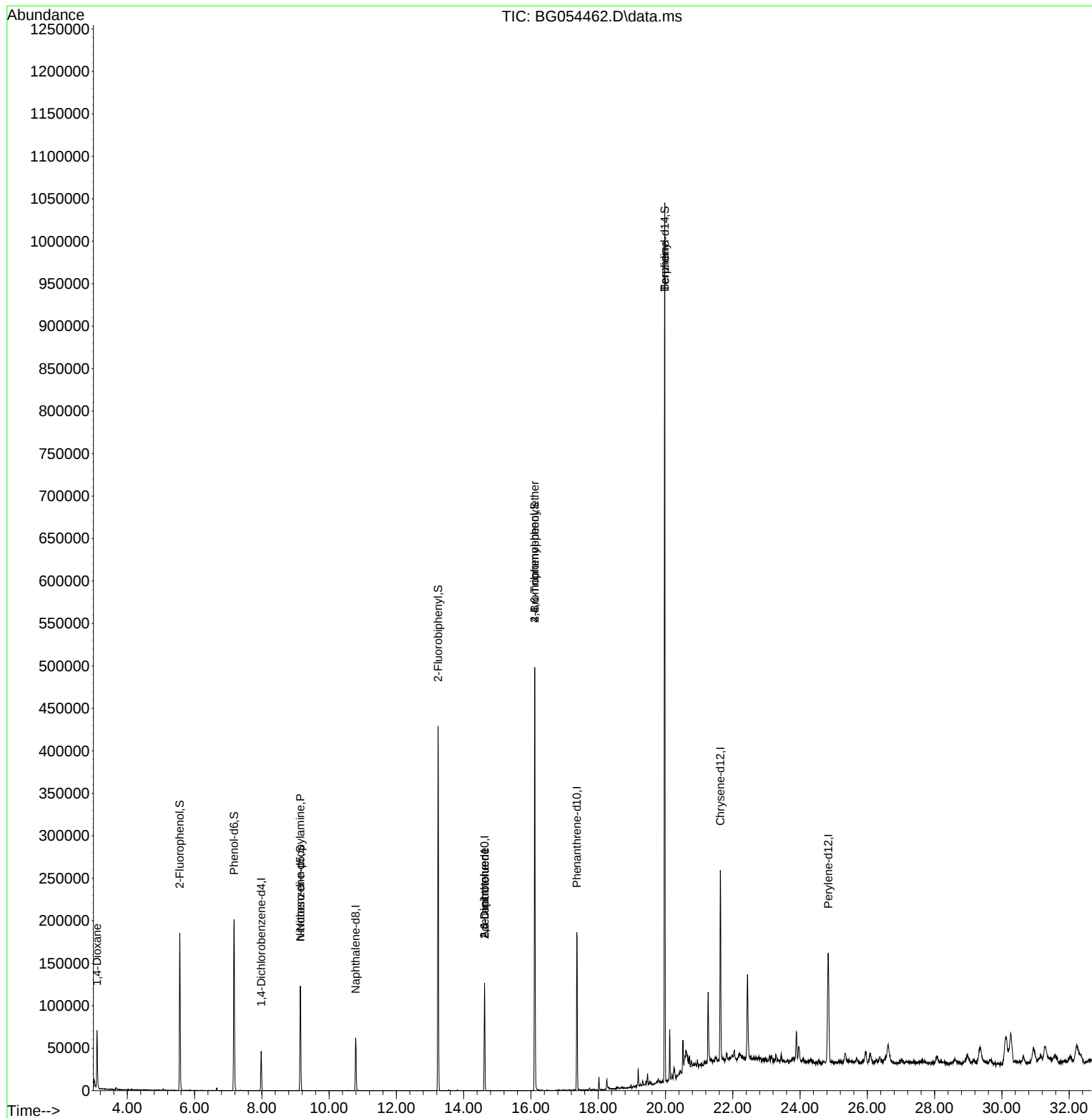
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	14626	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	57895	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	49046	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	134757	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	149609	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	157473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	82558	117.853	ng	0.00
7) Phenol-d6	7.176	99	116627	121.501	ng	0.00
23) Nitrobenzene-d5	9.145	82	75413	70.935	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	130408	126.636	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	247528	71.196	ng	0.00
79) Terphenyl-d14	19.979	244	605988	80.353	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.099	88	709	2.544	ng	# 1
9) Benzaldehyde	7.171	77	63	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.145	70	10610	16.553	ng	# 84
51) 2,6-Dinitrotoluene	14.621	165	7091	8.439	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7091	5.887	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7650	4.042	ng	# 1
77) Benzidine	19.979	184	7683	2.836	ng	97

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

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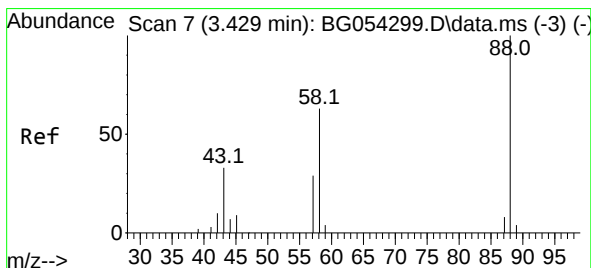
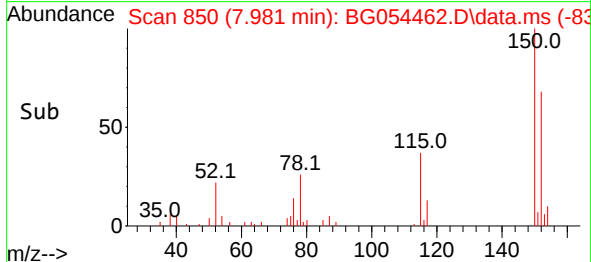
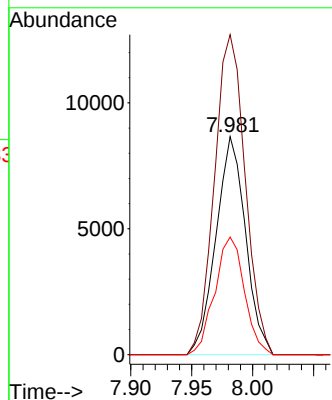
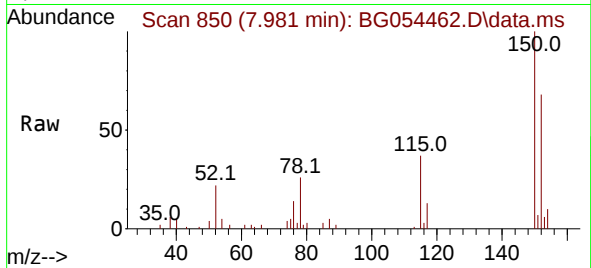




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.981 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BG054462.D
 Acq: 1 Aug 2022 13:14

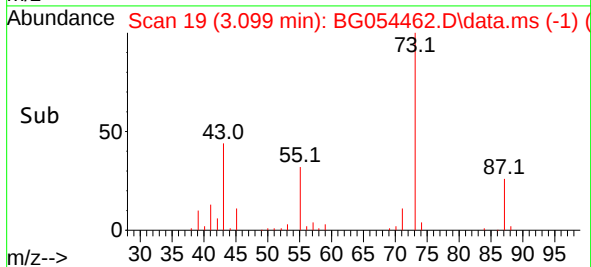
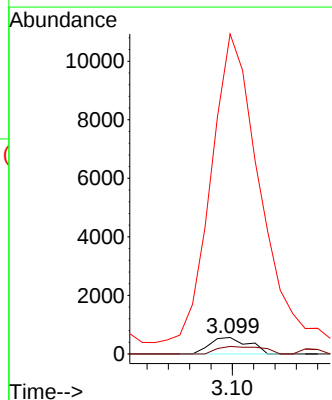
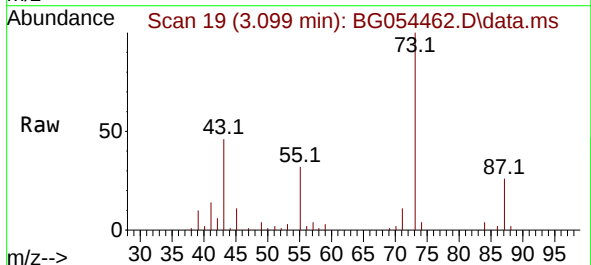
Instrument :
 BNA_G
 ClientSampleId :
 RVE-65

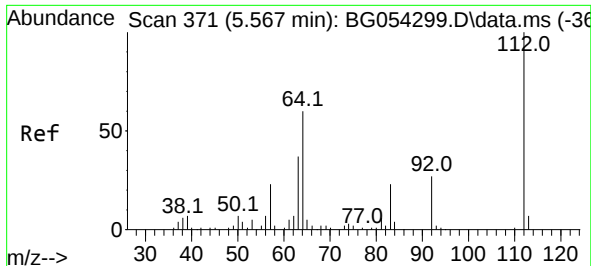
Tgt Ion:152 Resp: 14626
 Ion Ratio Lower Upper
 152 100
 150 146.7 131.6 197.4
 115 53.9 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.544 ng
 RT: 3.099 min Scan# 19
 Delta R.T. -0.318 min
 Lab File: BG054462.D
 Acq: 1 Aug 2022 13:14

Tgt Ion: 88 Resp: 709
 Ion Ratio Lower Upper
 88 100
 58 53.7 59.2 88.8#
 43 2367.0 24.3 36.5#

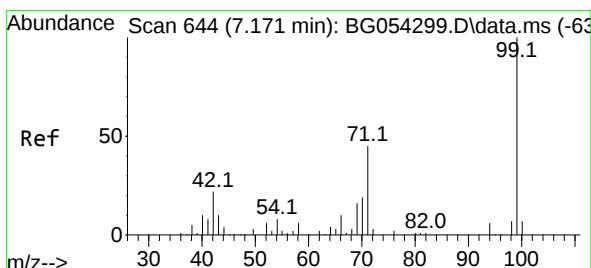
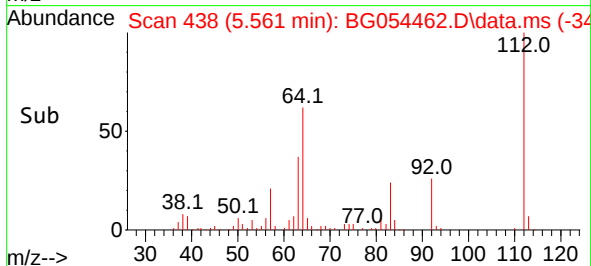
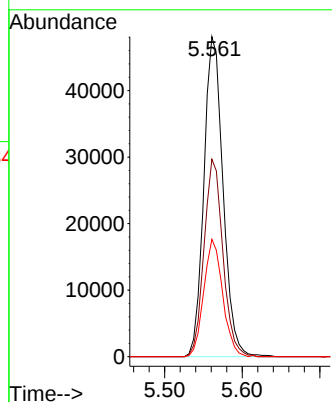
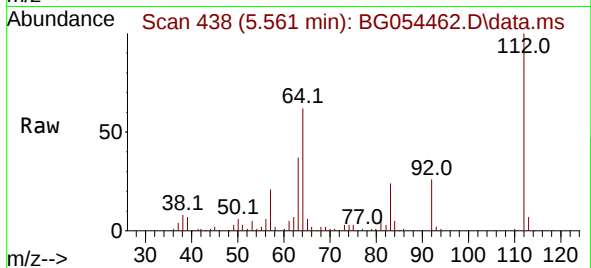




#5
2-Fluorophenol
Concen: 117.853 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

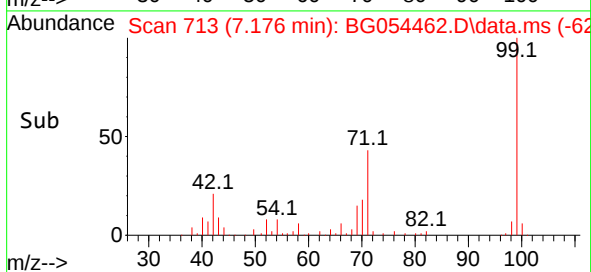
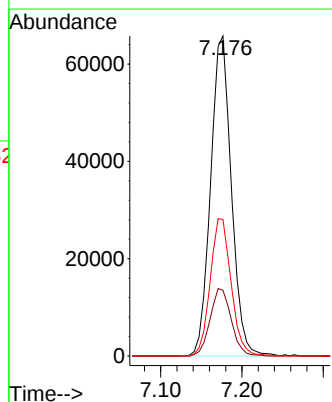
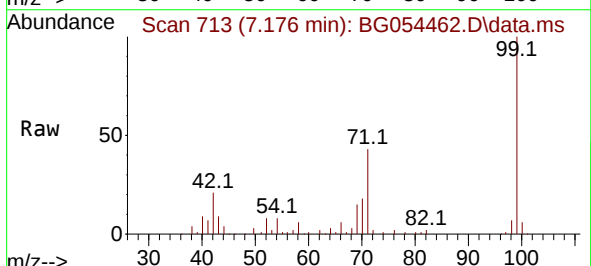
Instrument :
BNA_G
ClientSampleId :
RVE-65

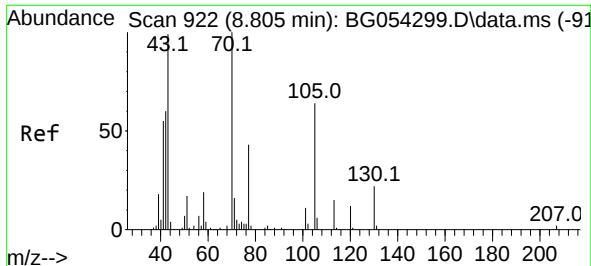
Tgt Ion:112 Resp: 82558
Ion Ratio Lower Upper
112 100
64 61.7 55.1 82.7
63 36.7 30.4 45.6



#7
Phenol-d6
Concen: 121.501 ng
RT: 7.176 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

Tgt Ion: 99 Resp: 116627
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 42.6 33.8 50.8

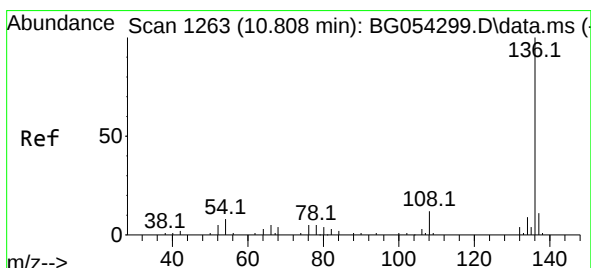
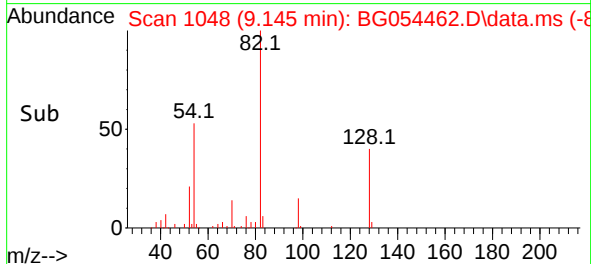
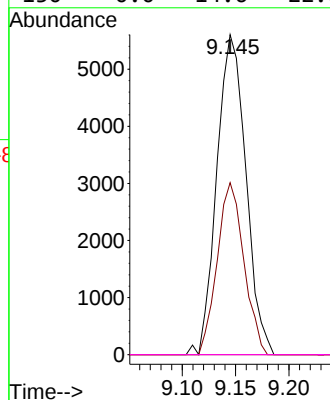
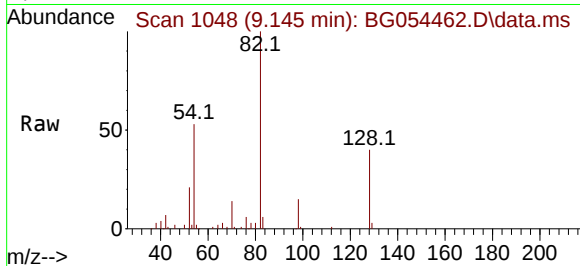




#19
n-Nitroso-di-n-propylamine
Concen: 16.553 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.351 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

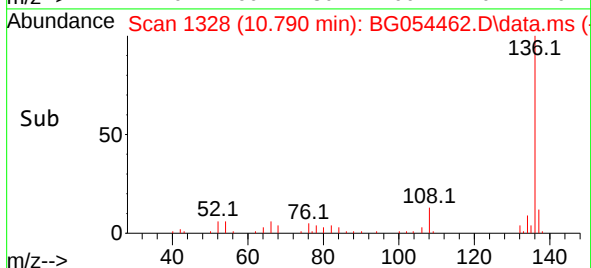
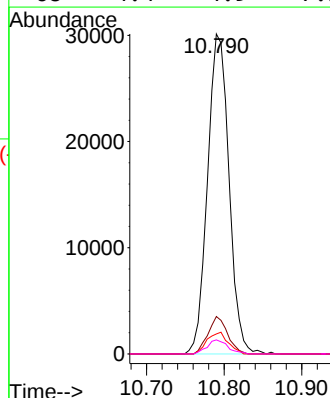
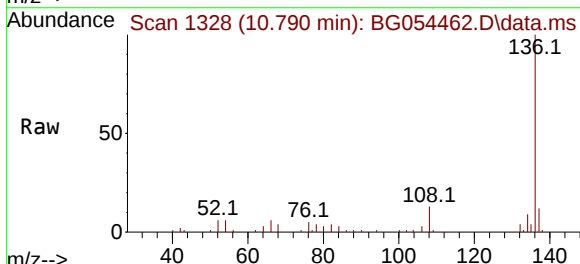
Instrument :
BNA_G
ClientSampleId :
RVE-65

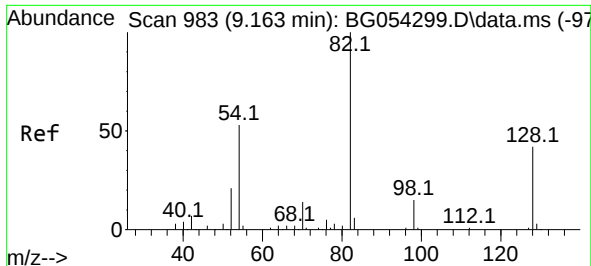
Tgt Ion:	70	Resp:	10610
Ion	Ratio	Lower	Upper
70	100		
42	53.7	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

Tgt Ion:	136	Resp:	57895
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	6.2	7.4	11.2#
68	4.4	4.9	7.3#

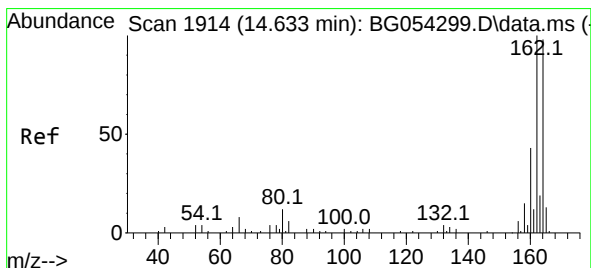
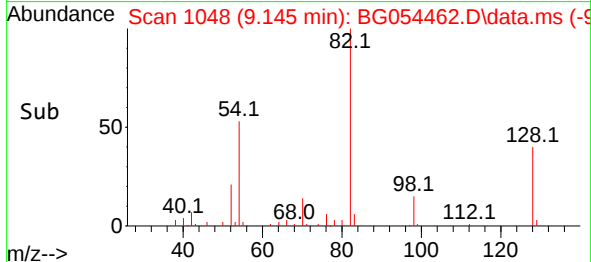
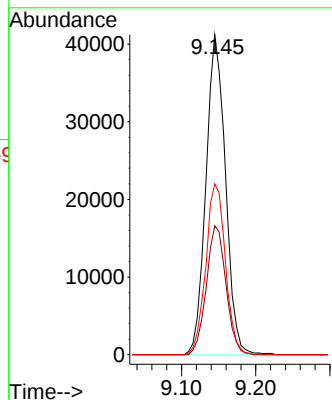
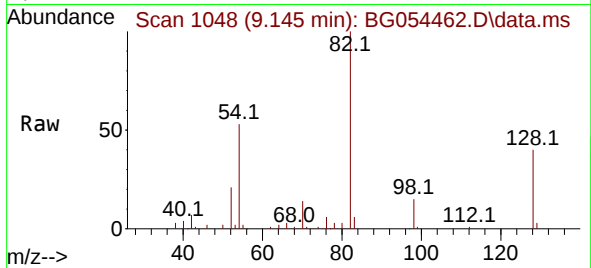




#23
Nitrobenzene-d5
Concen: 70.935 ng
RT: 9.145 min Scan# 1048
Delta R.T. -0.007 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

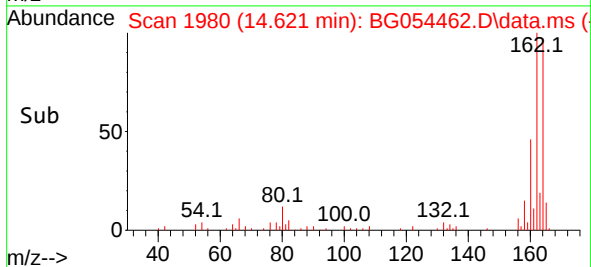
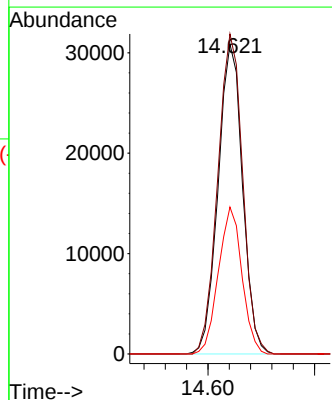
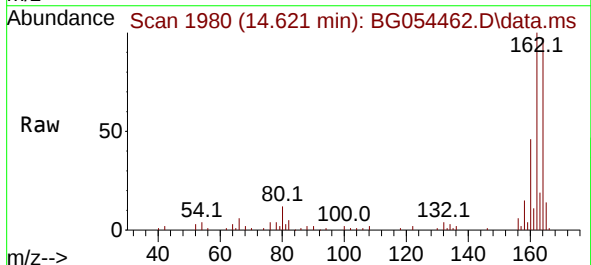
Instrument :
BNA_G
ClientSampleId :
RVE-65

Tgt Ion: 82 Resp: 75413
Ion Ratio Lower Upper
82 100
128 40.3 27.9 41.9
54 53.4 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

Tgt Ion:164 Resp: 49046
Ion Ratio Lower Upper
164 100
162 103.2 82.3 123.5
160 47.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 126.636 ng

RT: 16.113 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

Instrument :

BNA_G

ClientSampleId :

RVE-65

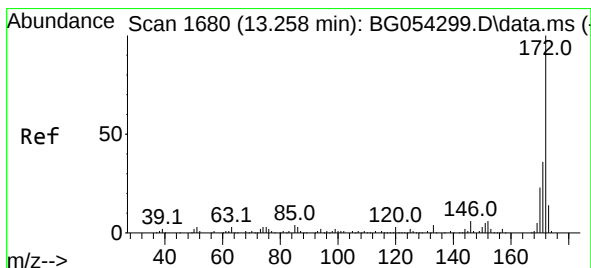
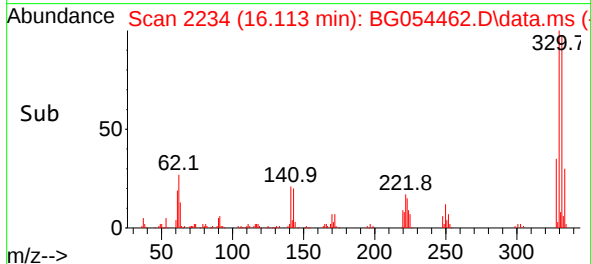
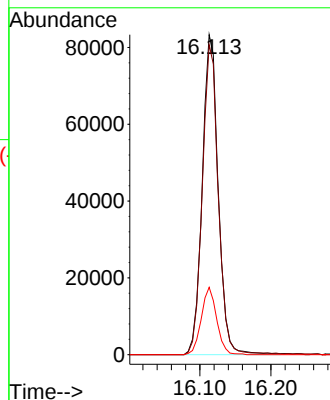
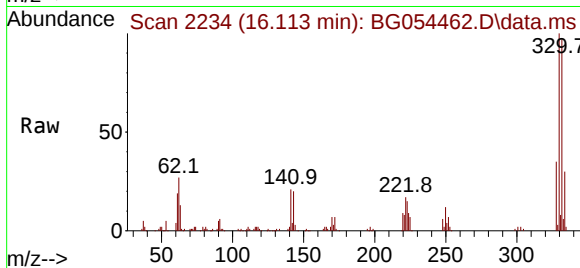
Tgt Ion:330 Resp: 130408

Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 20.3 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 71.196 ng

RT: 13.240 min Scan# 1745

Delta R.T. -0.007 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

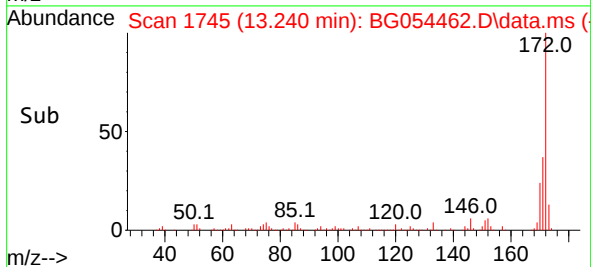
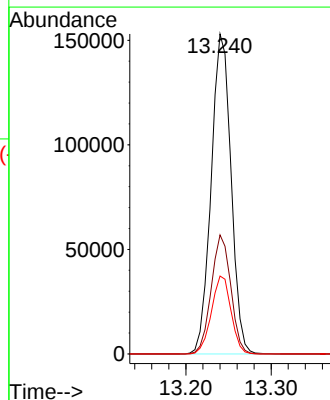
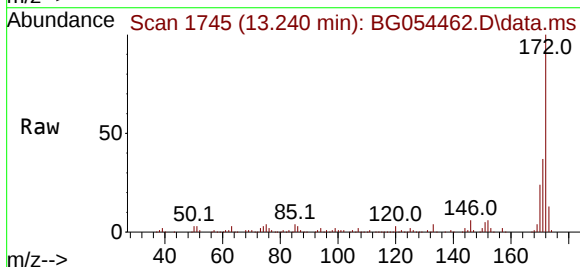
Tgt Ion:172 Resp: 247528

Ion Ratio Lower Upper

172 100

171 37.2 28.5 42.7

170 24.3 18.9 28.3

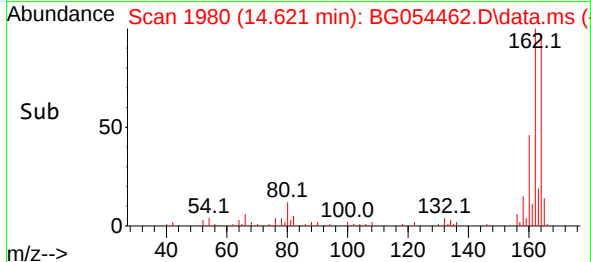
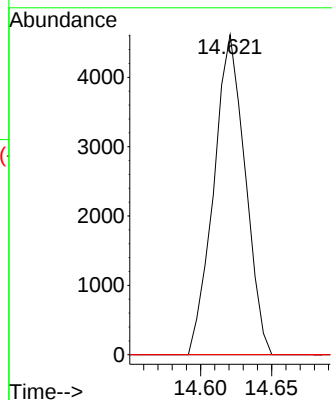
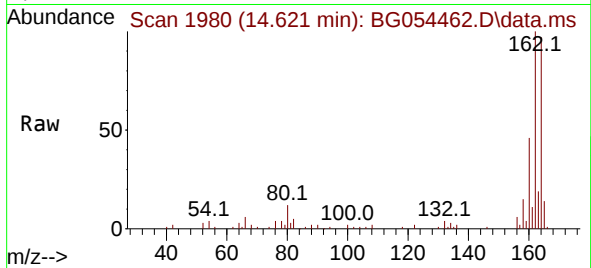




#51
2,6-Dinitrotoluene
Concen: 8.439 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

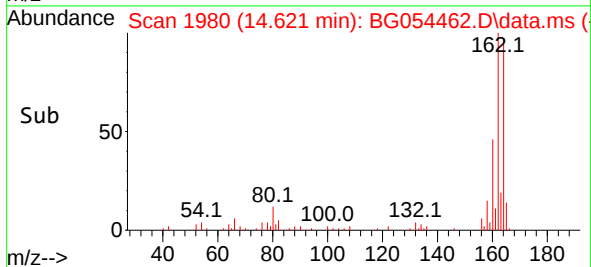
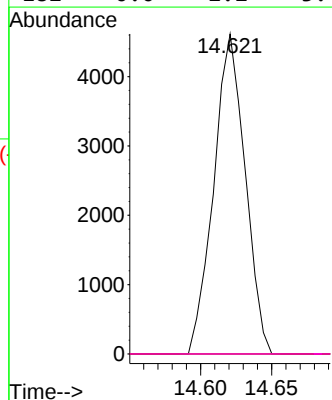
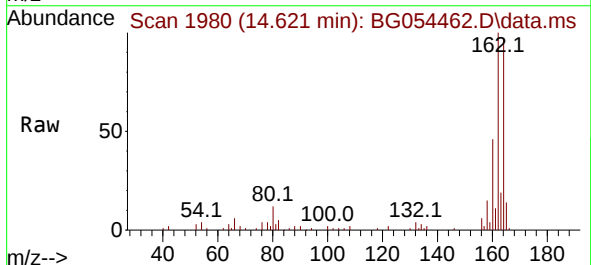
Instrument :
BNA_G
ClientSampleId :
RVE-65

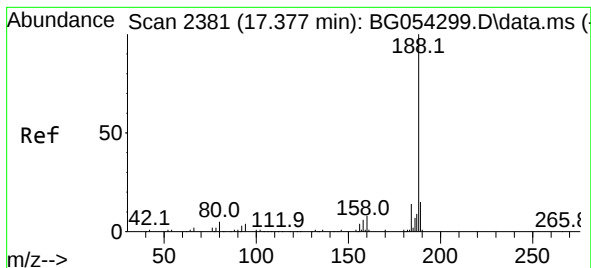
Tgt Ion:165 Resp: 7091
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.887 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.371 min
Lab File: BG054462.D
Acq: 1 Aug 2022 13:14

Tgt Ion:165 Resp: 7091
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: 17.365 min Scan# 2447

Delta R.T. -0.007 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

Instrument :

BNA_G

ClientSampleId :

RVE-65

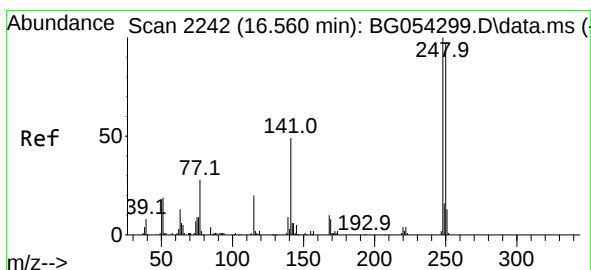
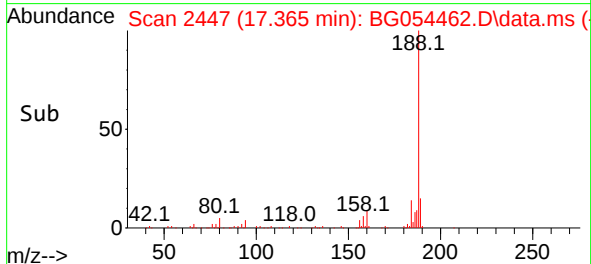
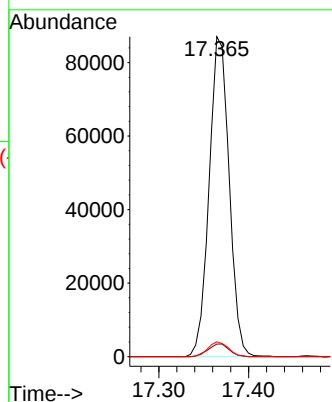
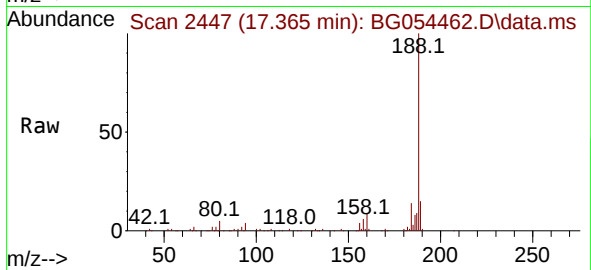
Tgt Ion:188 Resp: 134757

Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 4.6 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.042 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.442 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

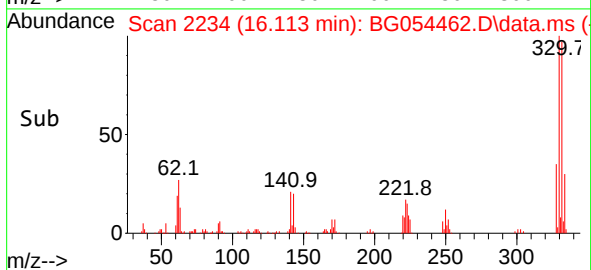
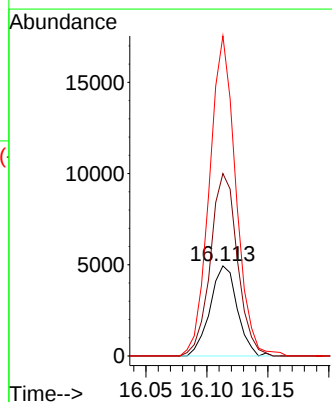
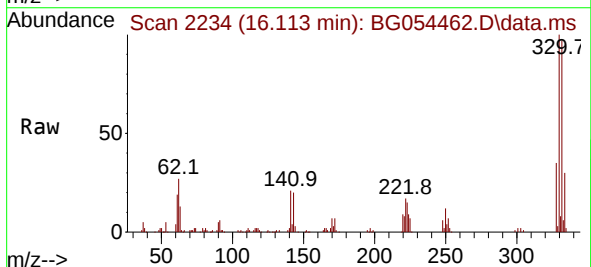
Tgt Ion:248 Resp: 7650

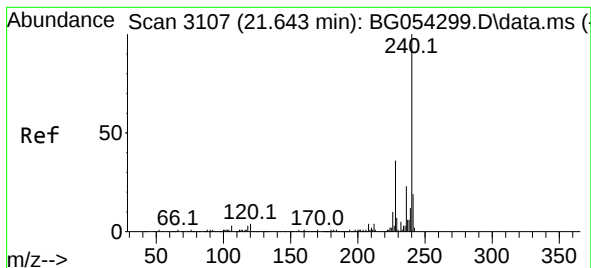
Ion Ratio Lower Upper

248 100

250 261.9 75.2 112.8#

141 355.1 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

Instrument :

BNA_G

ClientSampleId :

RVE-65

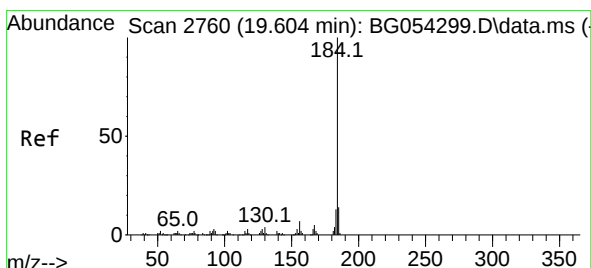
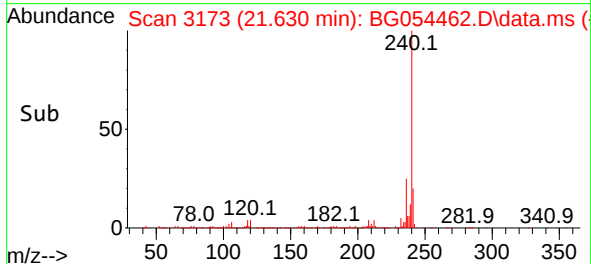
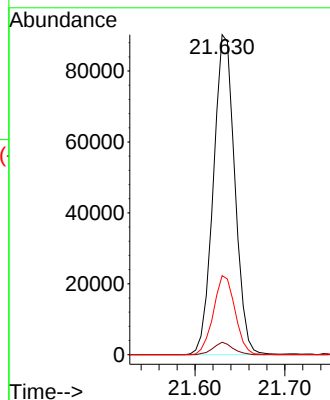
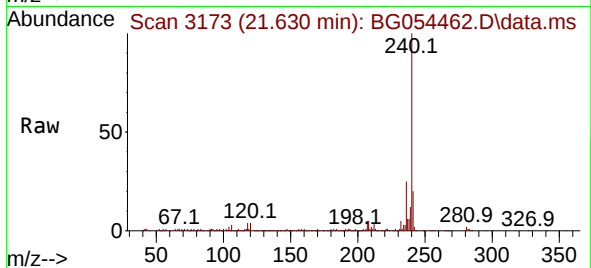
Tgt Ion:240 Resp: 149609

Ion Ratio Lower Upper

240 100

120 3.9 4.6 7.0#

236 24.7 20.2 30.4



#77

Benzidine

Concen: 2.836 ng

RT: 19.979 min Scan# 2892

Delta R.T. 0.381 min

Lab File: BG054462.D

Acq: 1 Aug 2022 13:14

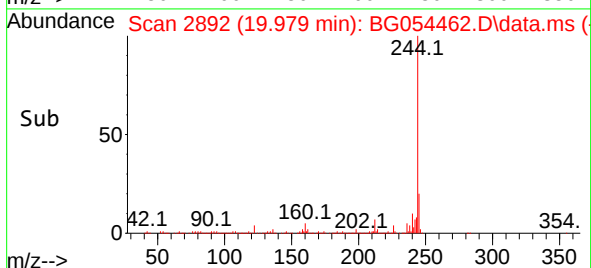
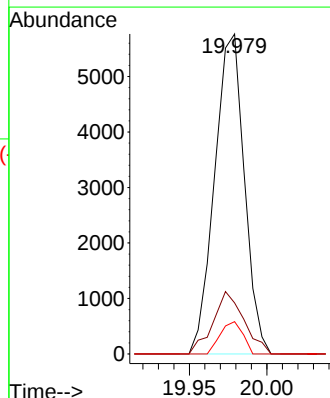
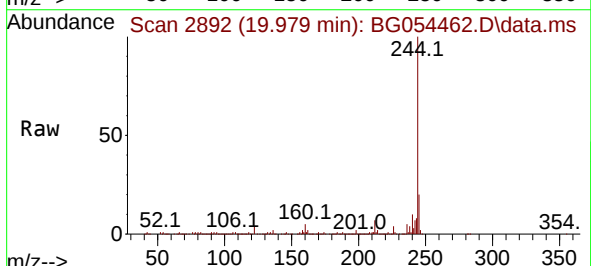
Tgt Ion:184 Resp: 7683

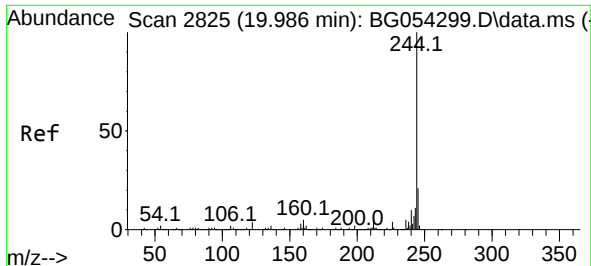
Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.6

183 10.1 8.9 13.3

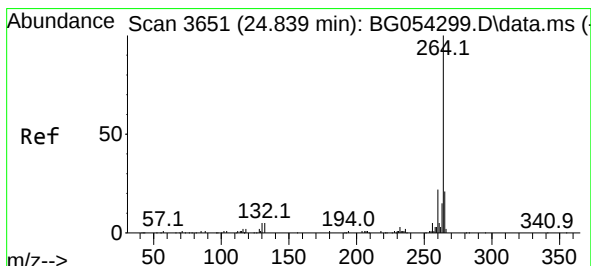
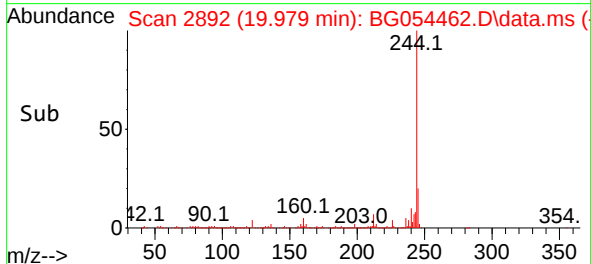
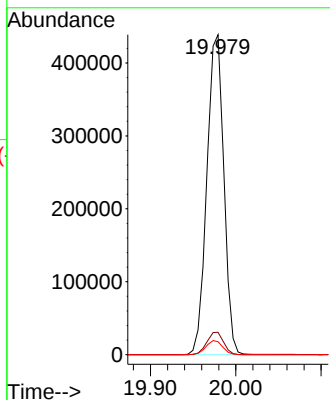
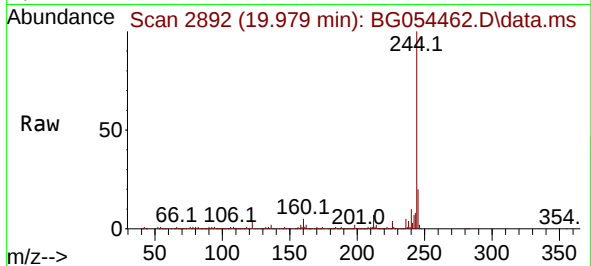




#79
 Terphenyl-d14
 Concen: 80.353 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054462.D
 Acq: 1 Aug 2022 13:14

Instrument :
 BNA_G
 ClientSampleId :
 RVE-65

Tgt Ion:244 Resp: 605988
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.1 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.838 min Scan# 3719
 Delta R.T. 0.005 min
 Lab File: BG054462.D
 Acq: 1 Aug 2022 13:14

Tgt Ion:264 Resp: 157473
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.6
 265 22.4 17.4 26.2

