

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054536.D
 Acq On : 5 Aug 2022 15:26
 Operator : CG/JU
 Sample : N3960-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-155

Quant Time: Aug 06 05:39:45 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)

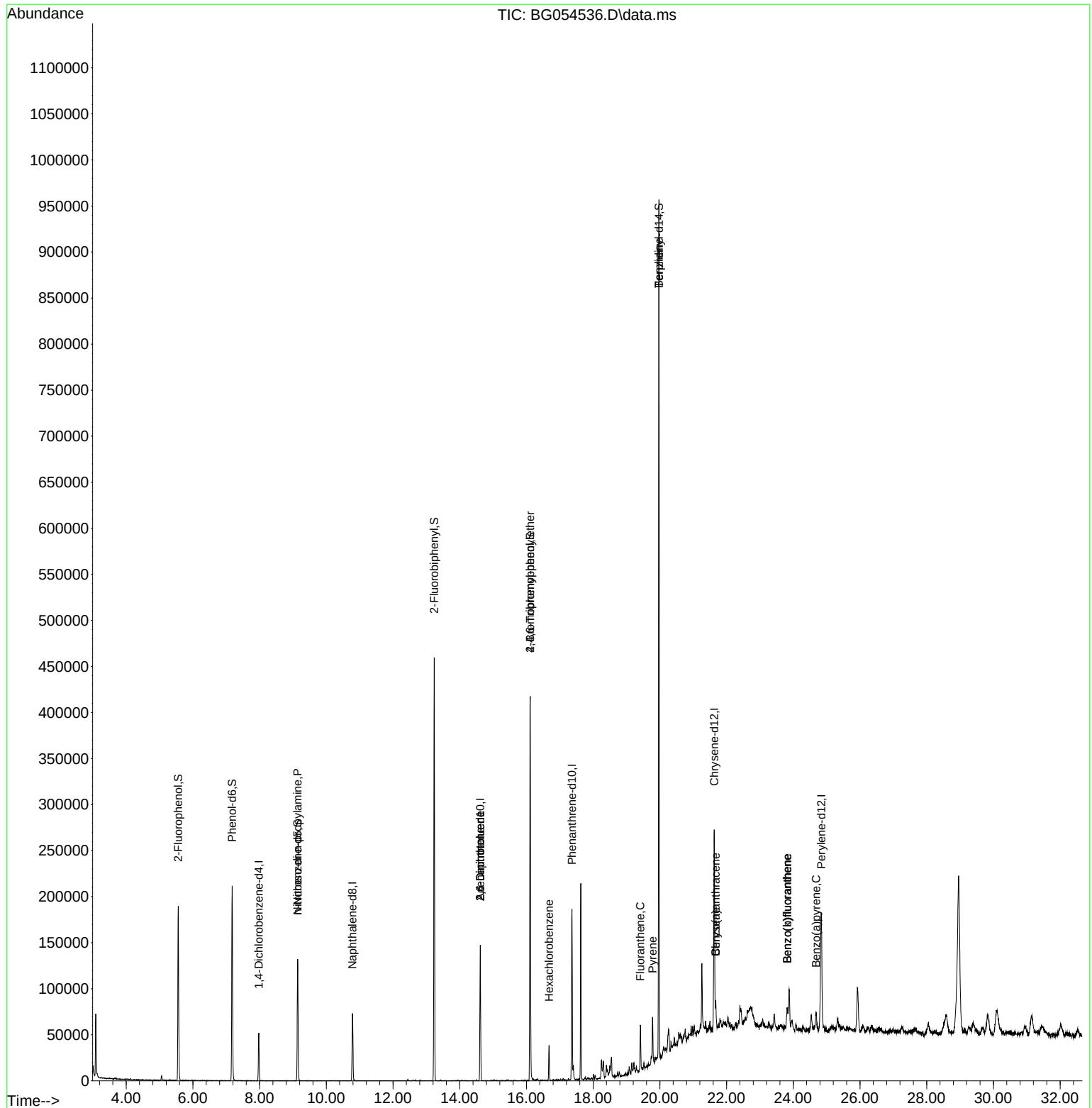
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	16166	20.000	ng	-0.01
21) Naphthalene-d8	10.785	136	68345	20.000	ng	#-0.01
39) Acenaphthene-d10	14.616	164	55771	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	137178	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	145314	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	156956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	86191	111.318	ng	0.00
7) Phenol-d6	7.177	99	122898	115.838	ng	0.00
23) Nitrobenzene-d5	9.140	82	82458	65.702	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	114527	97.804	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	264823	66.985	ng	-0.01
79) Terphenyl-d14	19.974	244	528586	72.162	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.177	77	197	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.140	70	11881	16.770	ng	# 84
51) 2,6-Dinitrotoluene	14.616	165	7740	8.100	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7740	5.651	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6869	3.565	ng	# 1
68) Hexachlorobenzene	16.678	284	10355	4.700	ng	# 93
75) Fluoranthene	19.416	202	33236	3.569	ng	97
77) Benzidine	19.974	184	7185	2.730	ng	# 97
78) Pyrene	19.780	202	36639	4.394	ng	96
81) Benzo(a)anthracene	21.678	228	22535	2.443	ng	95
83) Chrysene	21.678	228	22535	2.586	ng	97
88) Benzo(b)fluoranthene	23.822	252	32255	3.475	ng	# 95
89) Benzo(k)fluoranthene	23.822	252	32255	3.492	ng	# 96
90) Benzo(a)pyrene	24.686	252	21655	2.732	ng	# 90

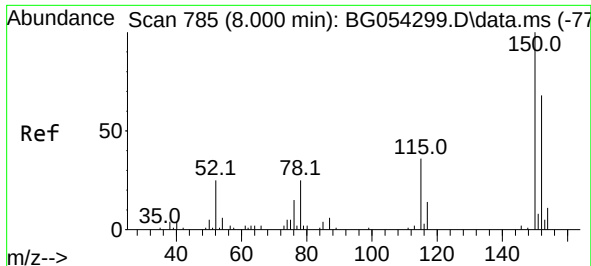
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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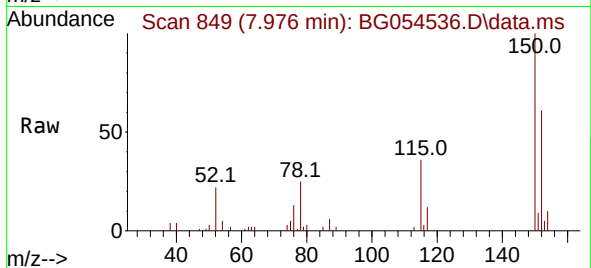
Quant Time: Aug 06 05:39:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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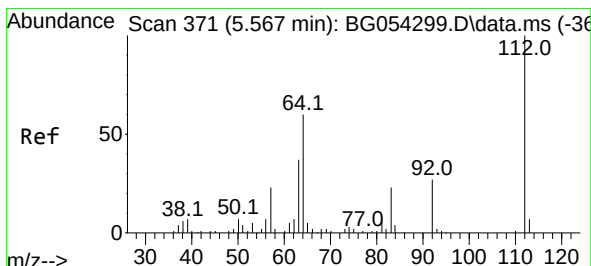
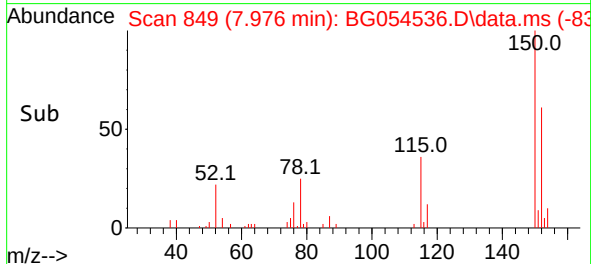
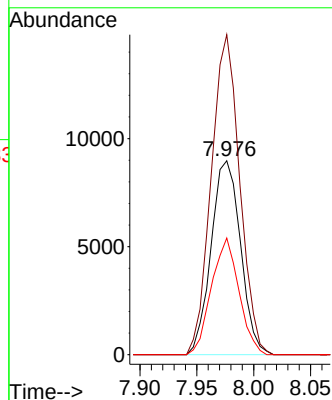


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Instrument :
BNA_G
ClientSampleId :
RVE-155

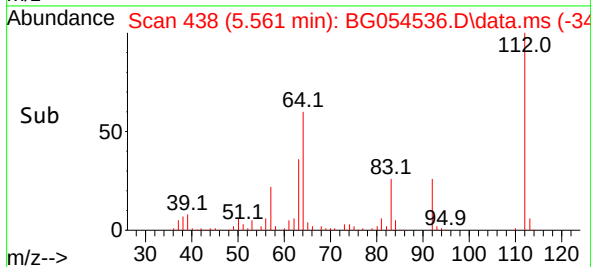
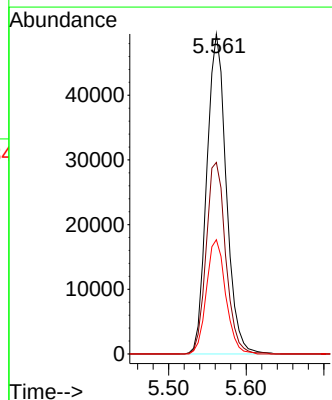
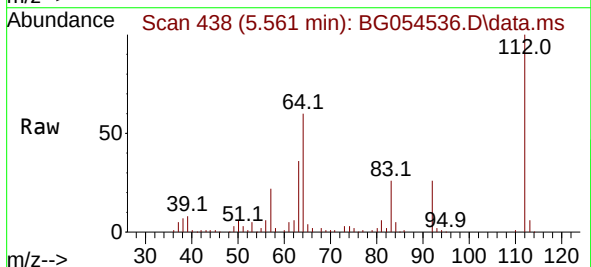


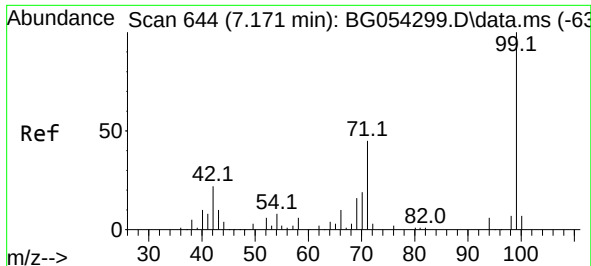
Tgt Ion:152 Resp: 16166
Ion Ratio Lower Upper
152 100
150 164.9 131.6 197.4
115 60.1 50.9 76.3



#5
2-Fluorophenol
Concen: 111.318 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.000 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:112 Resp: 86191
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 35.7 30.4 45.6

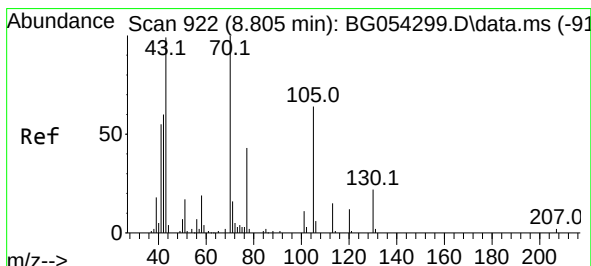
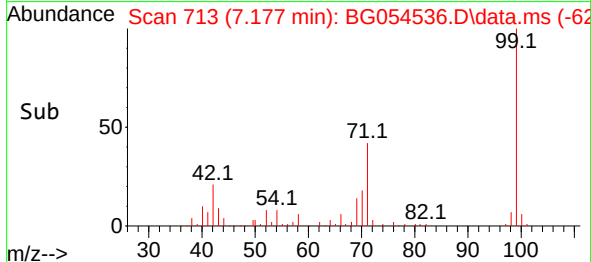
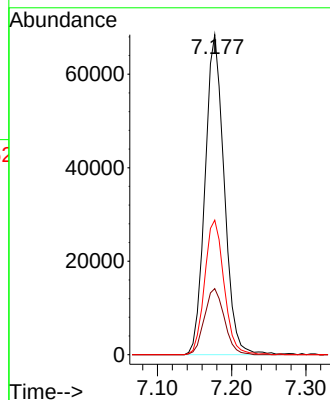
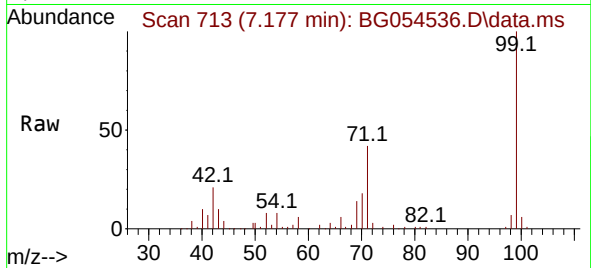




#7
Phenol-d6
Concen: 115.838 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

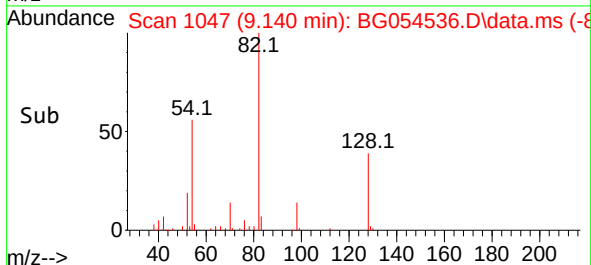
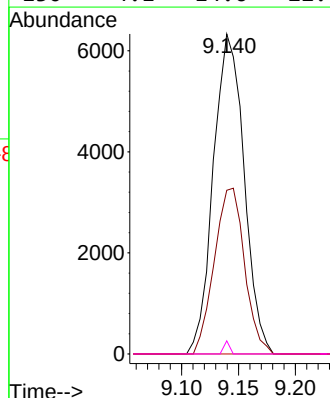
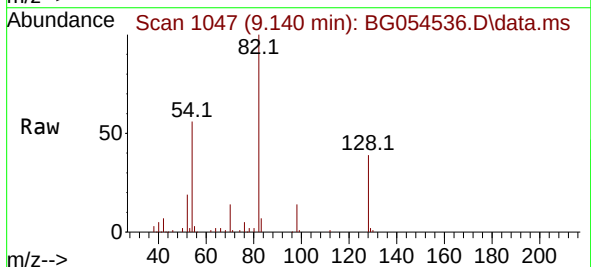
Instrument :
BNA_G
ClientSampleId :
RVE-155

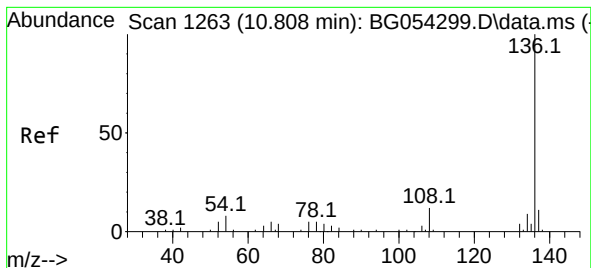
Tgt Ion: 99 Resp: 122898
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 42.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.770 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.346 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion: 70 Resp: 11881
Ion Ratio Lower Upper
70 100
42 51.2 47.3 70.9
101 0.0 7.0 10.4#
130 4.1 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.785 min Scan# 11

Delta R.T. -0.012 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

RVE-155

Tgt Ion:136 Resp: 68345

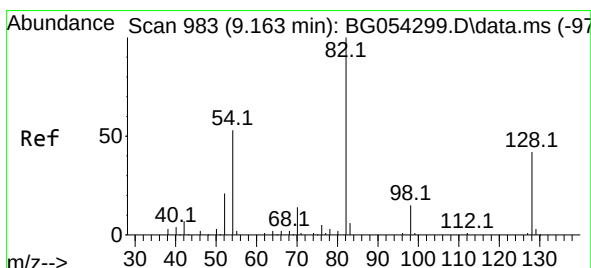
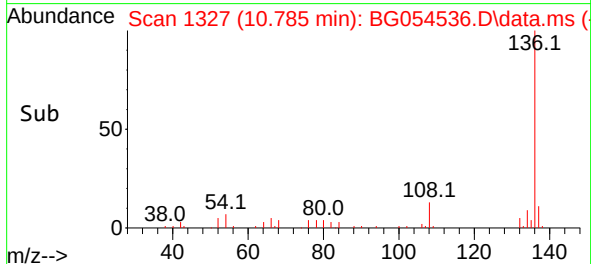
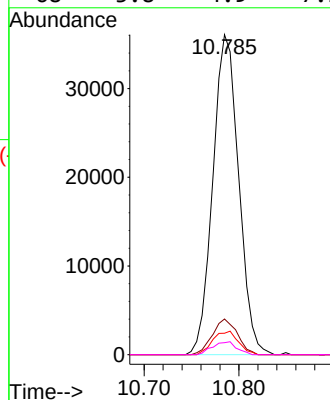
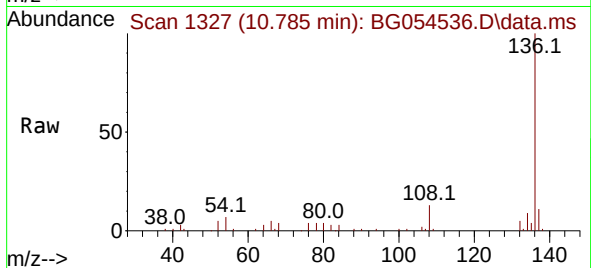
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.7 7.4 11.2#

68 3.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 65.702 ng

RT: 9.140 min Scan# 1047

Delta R.T. -0.012 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

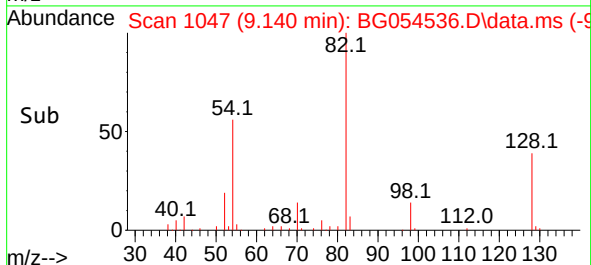
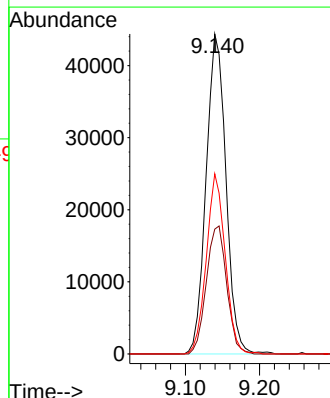
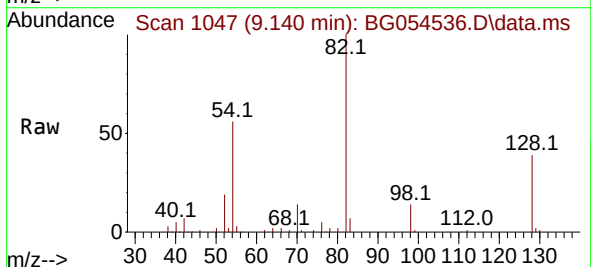
Tgt Ion: 82 Resp: 82458

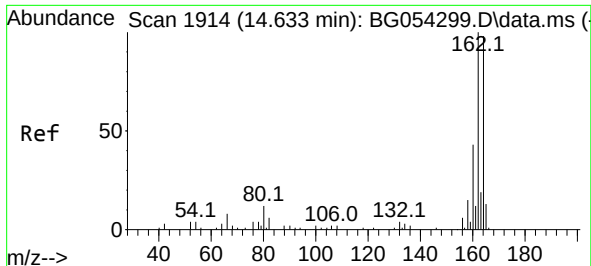
Ion Ratio Lower Upper

82 100

128 39.0 27.9 41.9

54 56.3 41.2 61.8

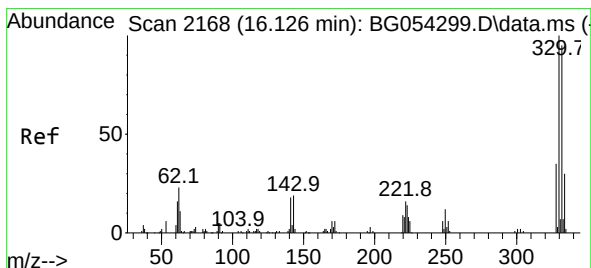
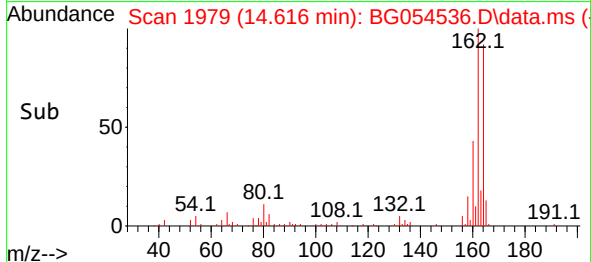
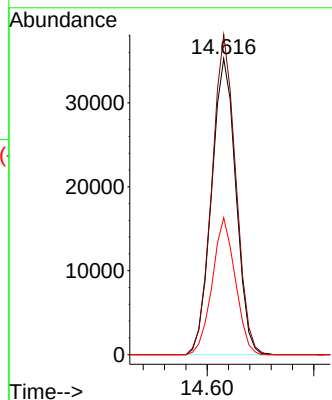
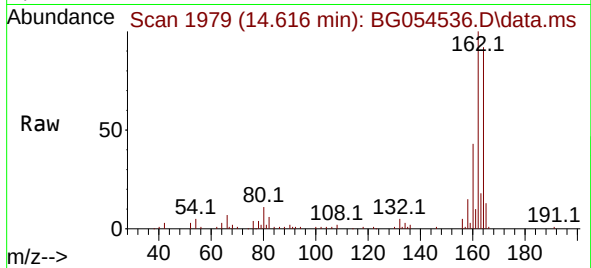




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

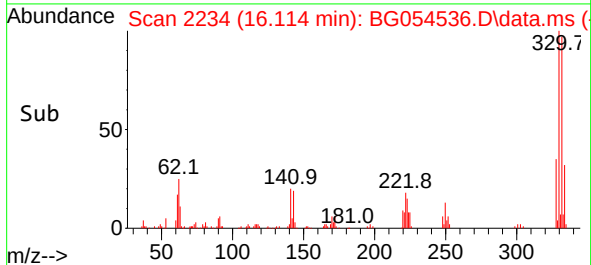
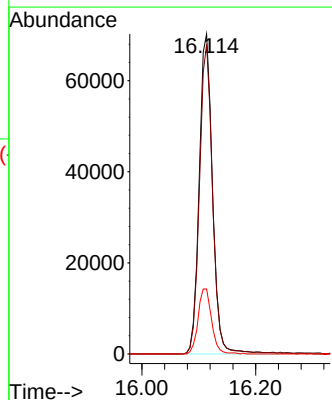
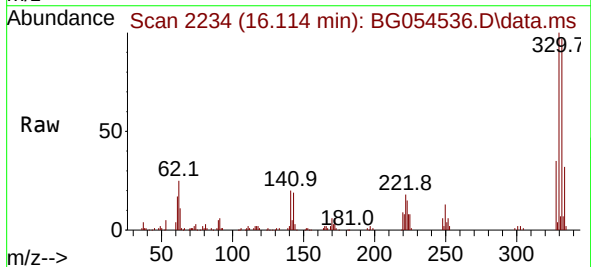
Instrument :
BNA_G
ClientSampleId :
RVE-155

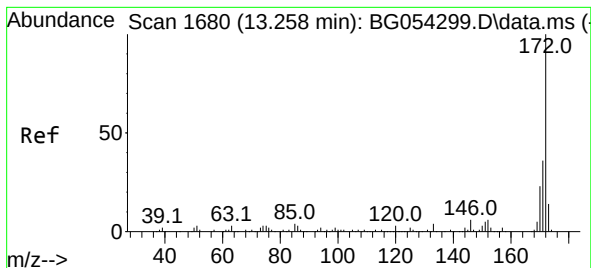
Tgt Ion:164 Resp: 55771
Ion Ratio Lower Upper
164 100
162 108.1 82.3 123.5
160 46.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 97.804 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:330 Resp: 114527
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 20.7 27.1 40.7#

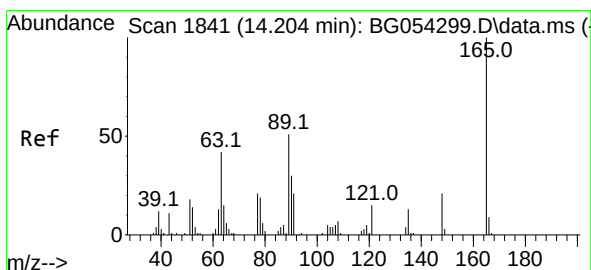
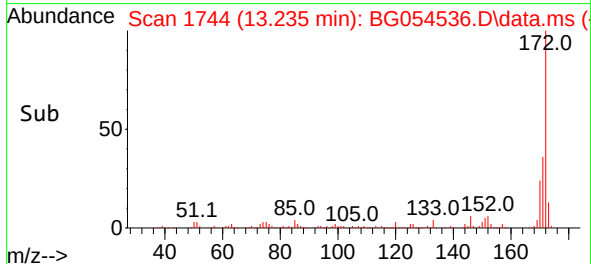
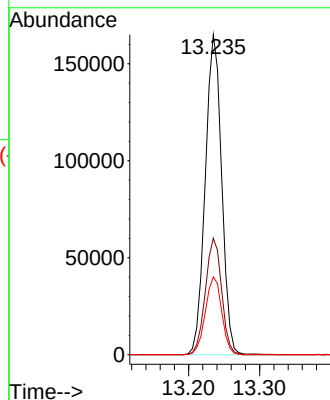
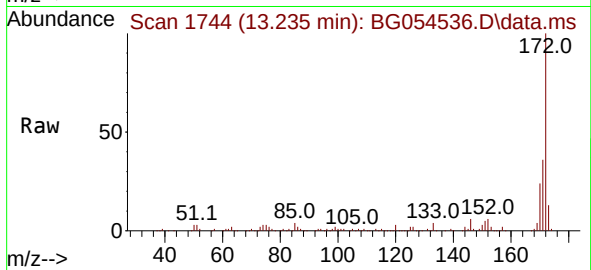




#45
2-Fluorobiphenyl
Concen: 66.985 ng
RT: 13.235 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

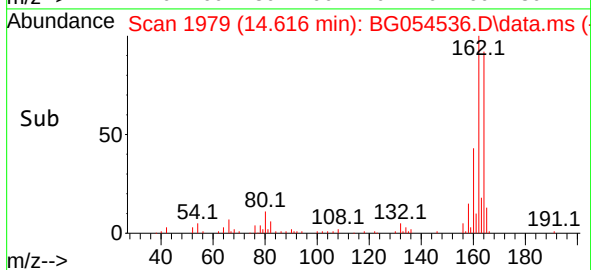
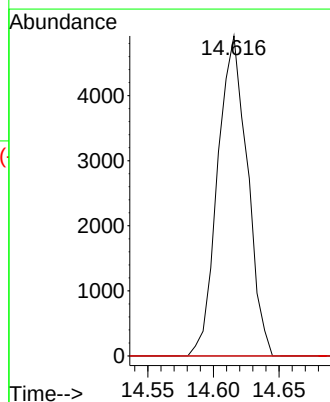
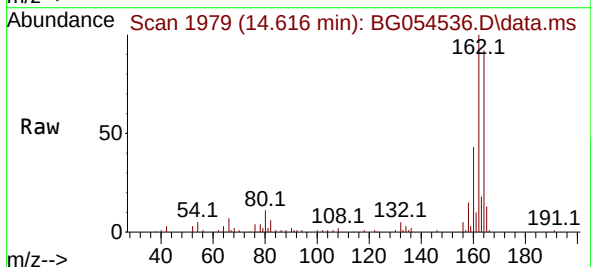
Instrument :
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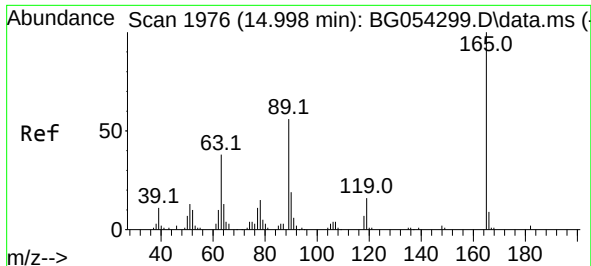
Tgt Ion:172 Resp: 264823
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.100 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:165 Resp: 7740
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: 5.651 ng

RT: 14.616 min Scan# 14

Delta R.T. -0.376 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

RVE-155

Tgt Ion:165 Resp: 7740

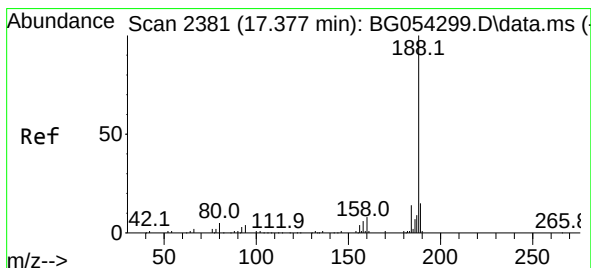
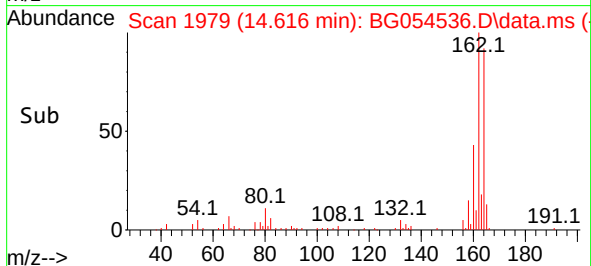
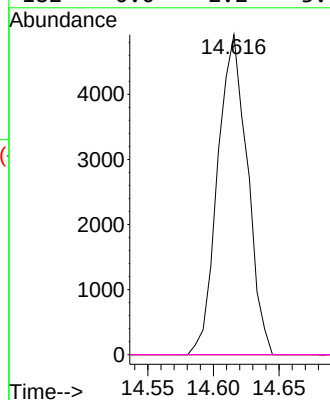
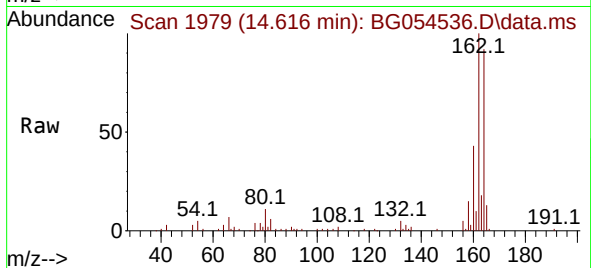
Ion Ratio Lower Upper

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. -0.006 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

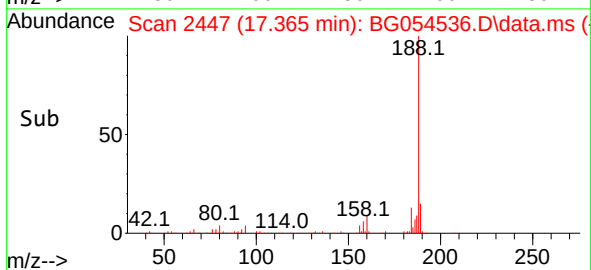
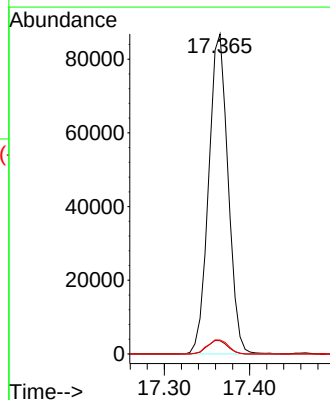
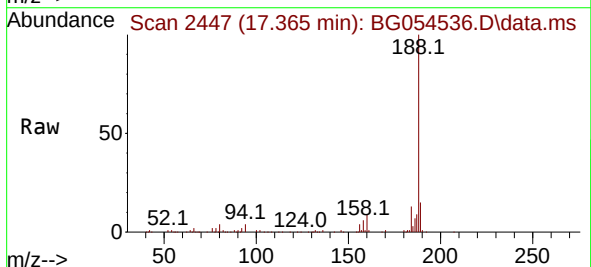
Tgt Ion:188 Resp: 137178

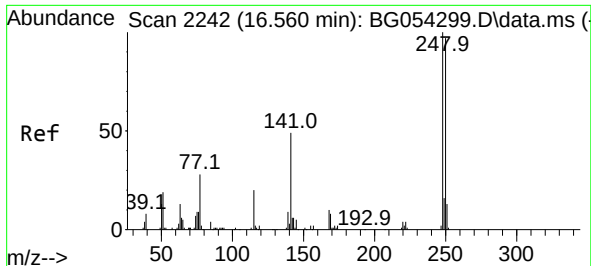
Ion Ratio Lower Upper

188 100

94 4.2 5.4 8.0#

80 4.3 6.8 10.2#

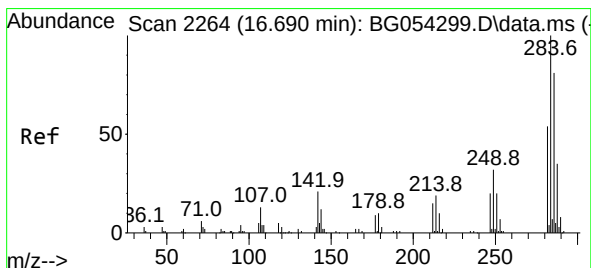
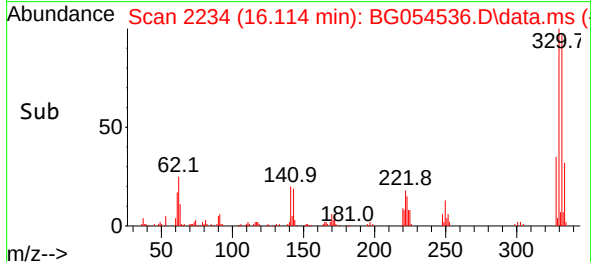
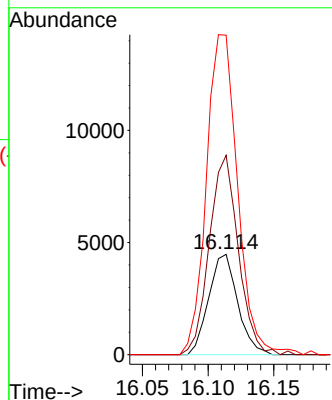
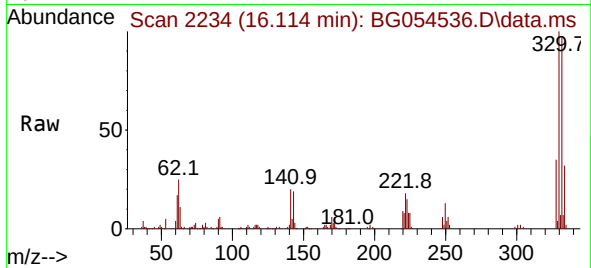




#67
4-Bromophenyl-phenylether
Concen: 3.565 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

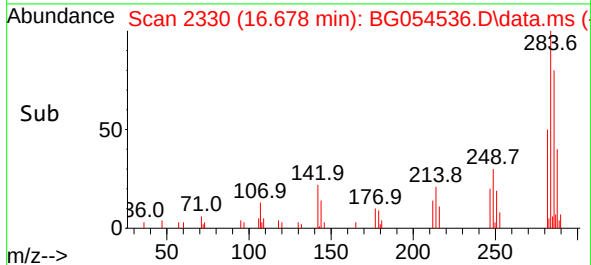
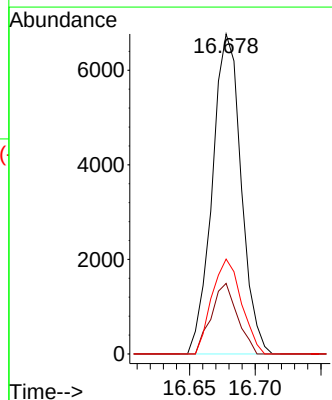
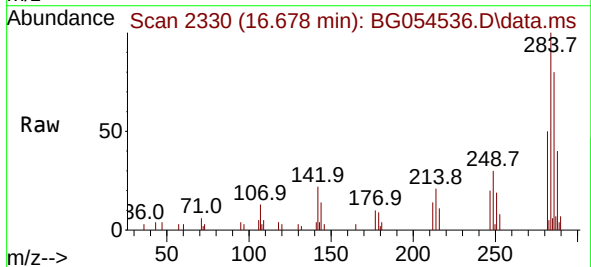
Instrument :
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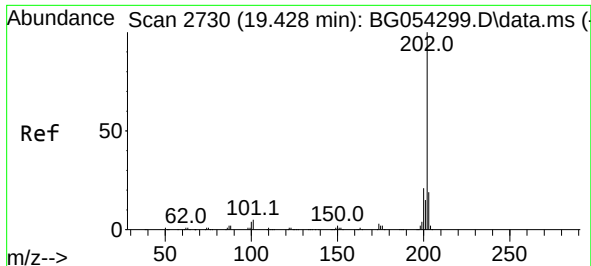
Tgt Ion:248 Resp: 6869
Ion Ratio Lower Upper
248 100
250 198.7 75.2 112.8#
141 318.3 50.0 75.0#



#68
Hexachlorobenzene
Concen: 4.700 ng
RT: 16.678 min Scan# 2330
Delta R.T. -0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:284 Resp: 10355
Ion Ratio Lower Upper
284 100
142 22.0 23.6 35.4#
249 32.8 25.8 38.6

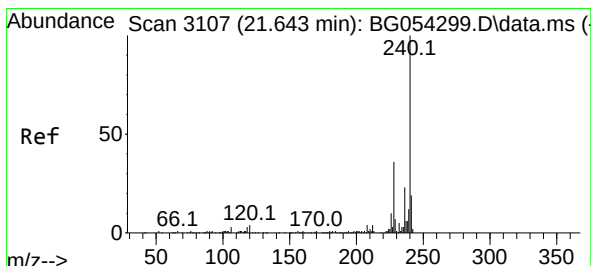
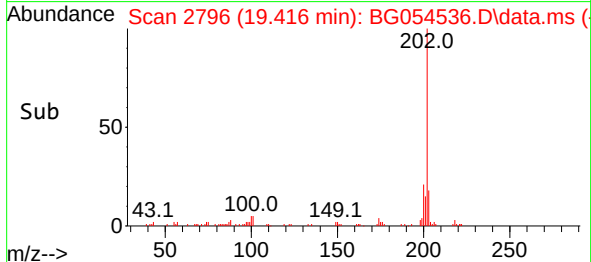
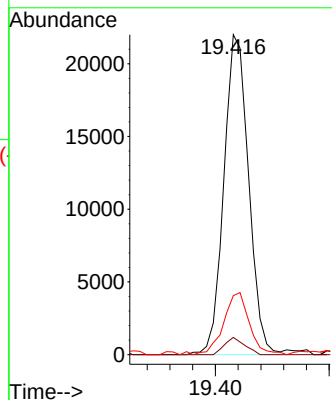
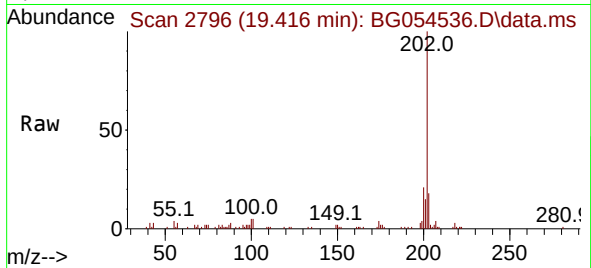




#75
Fluoranthene
Concen: 3.569 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

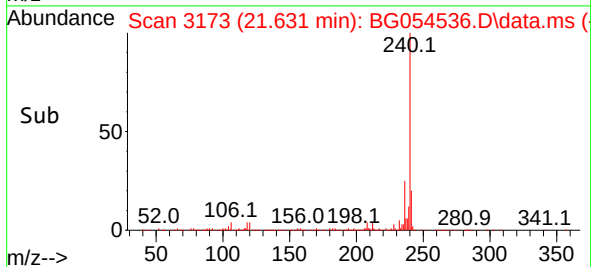
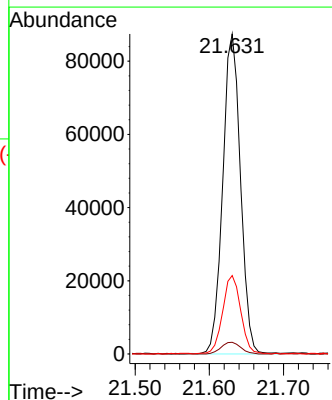
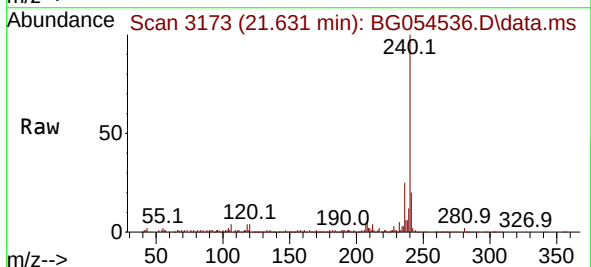
Instrument :
BNA_G
ClientSampleId :
RVE-155

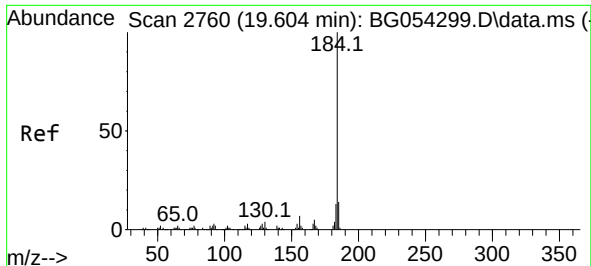
Tgt Ion:202 Resp: 33236
Ion Ratio Lower Upper
202 100
101 5.4 0.0 26.9
203 18.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:240 Resp: 145314
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.5 20.2 30.4

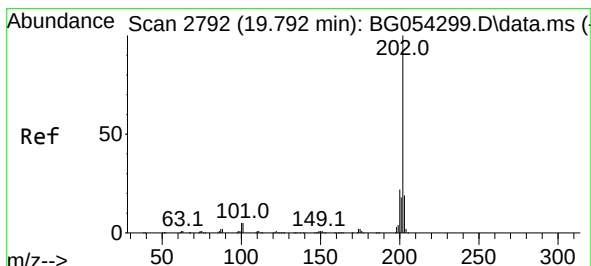
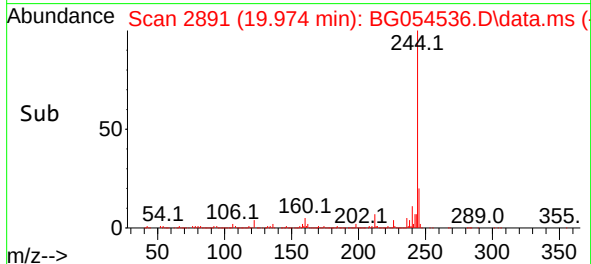
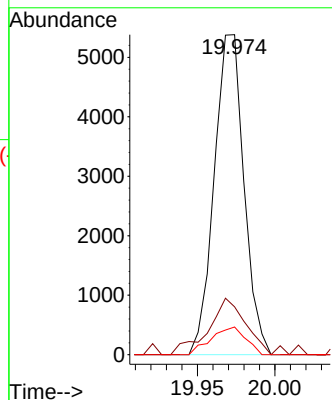
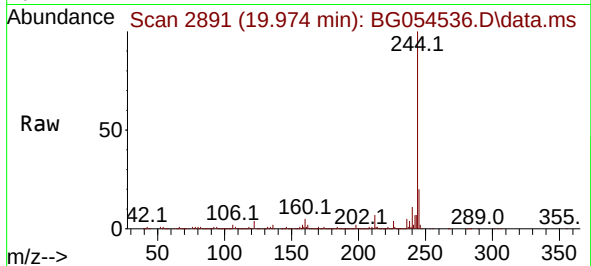




#77
Benzidine
Concen: 2.730 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

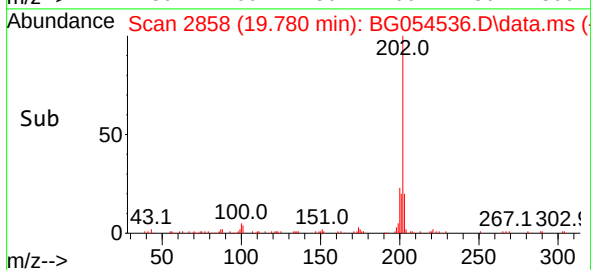
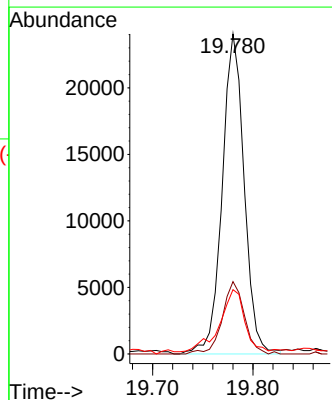
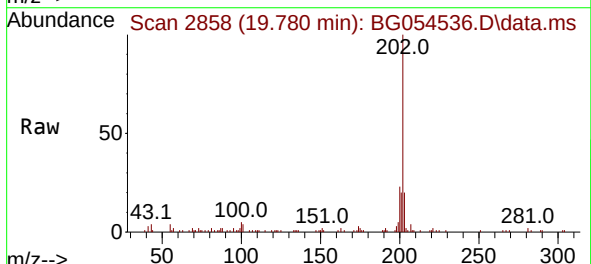
Instrument :
BNA_G
ClientSampleId :
RVE-155

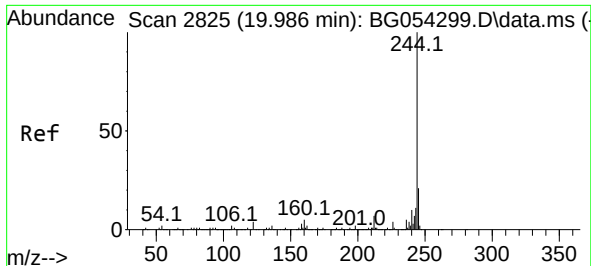
Tgt Ion:184 Resp: 7185
Ion Ratio Lower Upper
184 100
185 15.0 11.8 17.6
183 8.6 8.9 13.3#



#78
Pyrene
Concen: 4.394 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

Tgt Ion:202 Resp: 36639
Ion Ratio Lower Upper
202 100
200 22.6 16.6 24.8
203 20.1 14.6 21.8

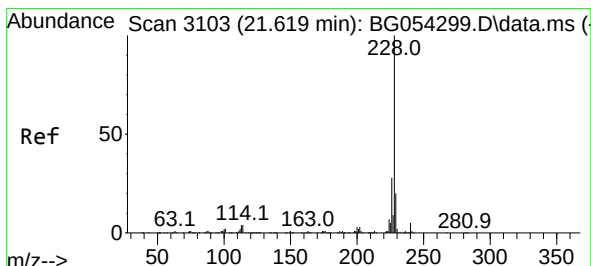
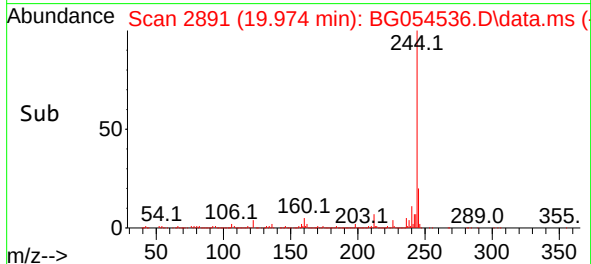
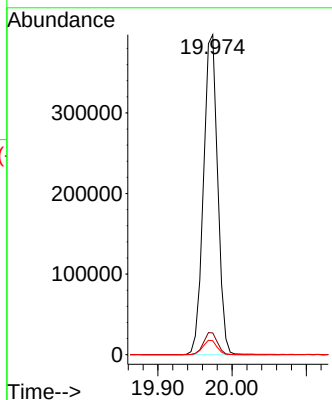
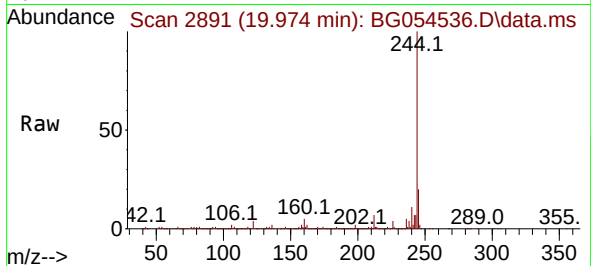




#79
 Terphenyl-d14
 Concen: 72.162 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054536.D
 Acq: 5 Aug 2022 15:26

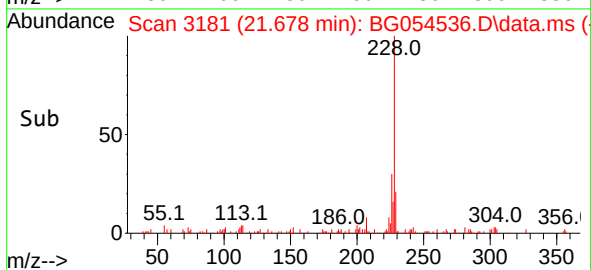
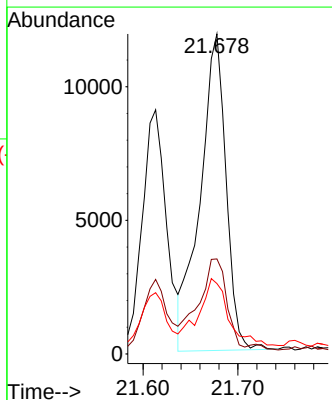
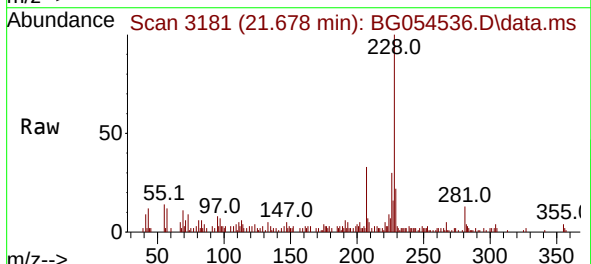
Instrument :
 BNA_G
 ClientSampleId :
 RVE-155

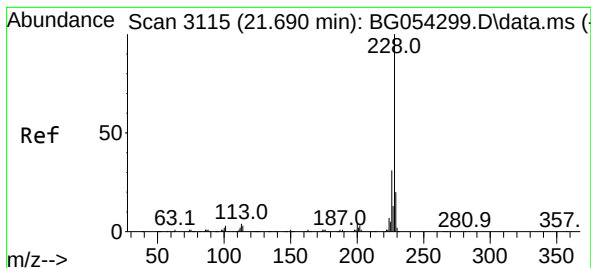
Tgt Ion:244 Resp: 528586
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.443 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. 0.064 min
 Lab File: BG054536.D
 Acq: 5 Aug 2022 15:26

Tgt Ion:228 Resp: 22535
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.6 32.4
 229 22.0 16.2 24.2





#83

Chrysene

Concen: 2.586 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

RVE-155

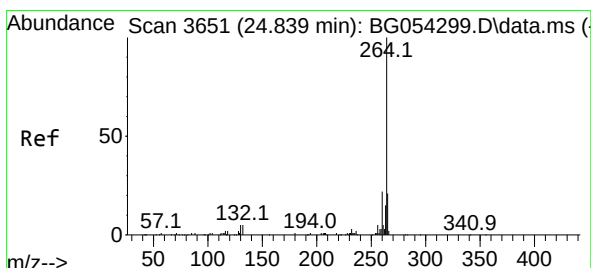
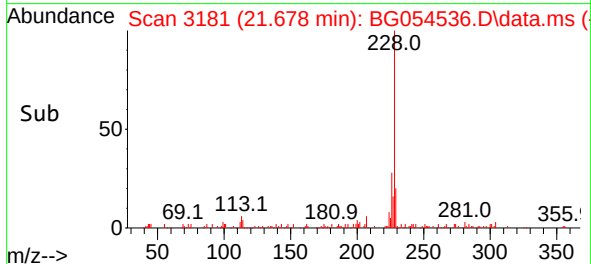
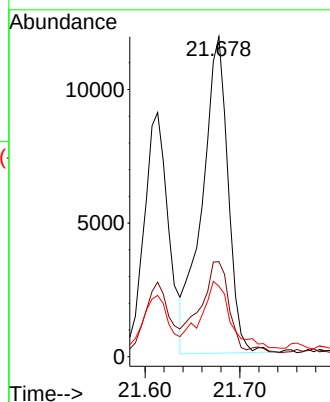
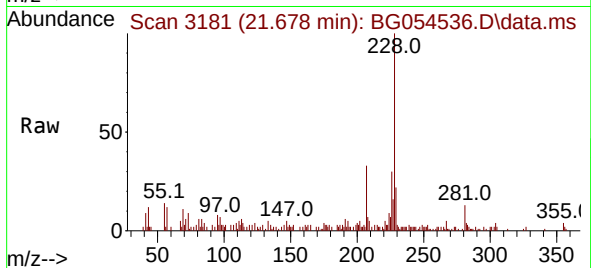
Tgt Ion:228 Resp: 22535

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 22.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3719

Delta R.T. 0.006 min

Lab File: BG054536.D

Acq: 5 Aug 2022 15:26

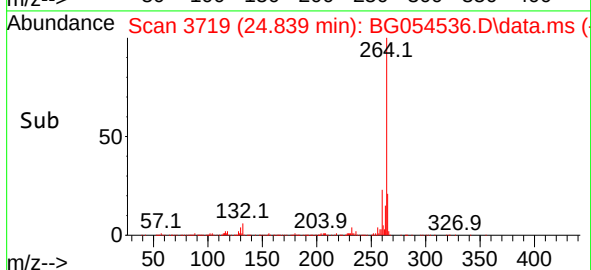
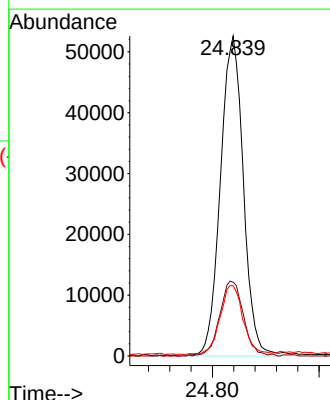
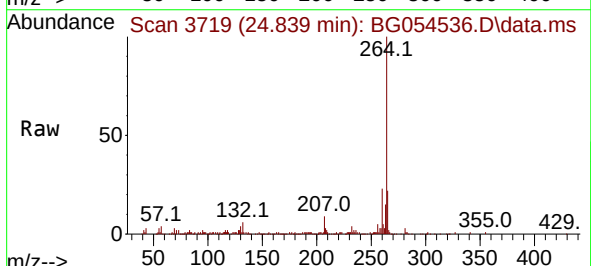
Tgt Ion:264 Resp: 156956

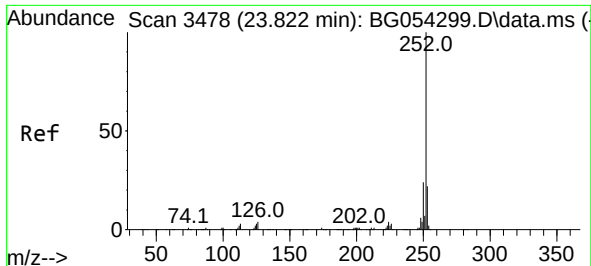
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 22.0 17.4 26.2

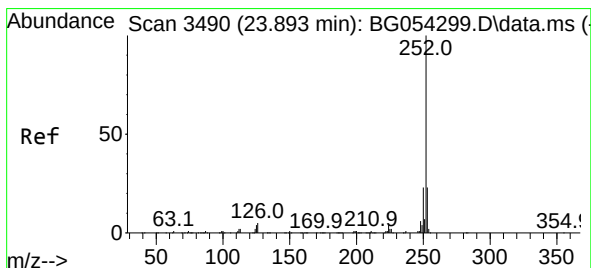
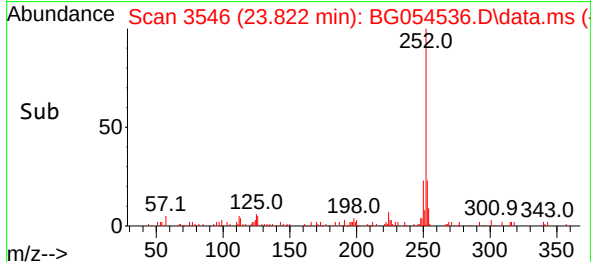
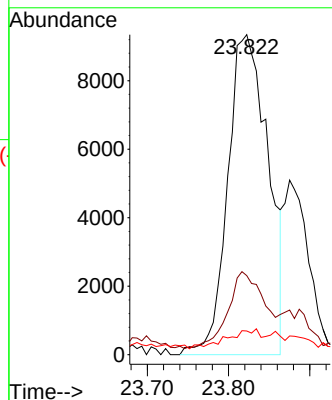
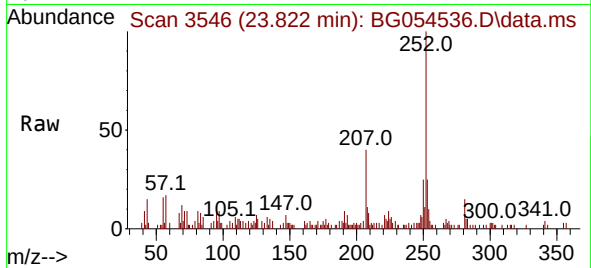




#88
Benzo(b)fluoranthene
Concen: 3.475 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

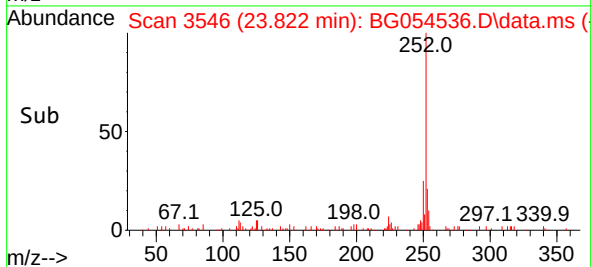
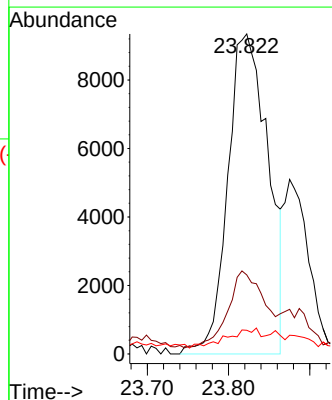
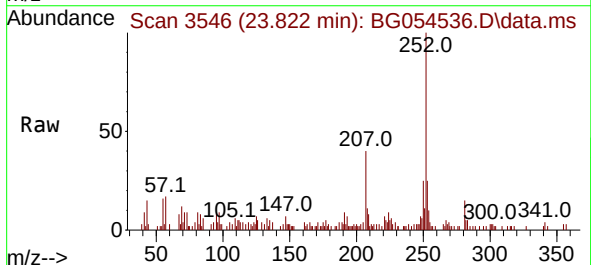
Instrument :
BNA_G
ClientSampleId :
RVE-155

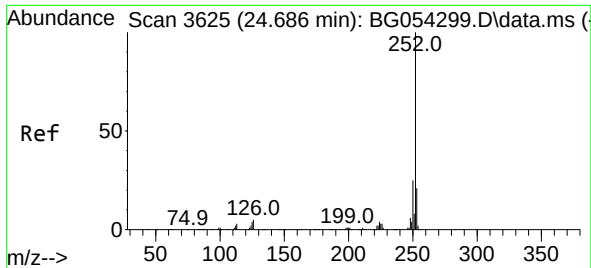
Tgt Ion:252 Resp: 32255
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 7.4 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 3.492 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.065 min
Lab File: BG054536.D
Acq: 5 Aug 2022 15:26

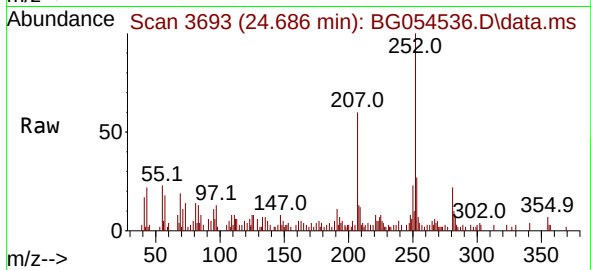
Tgt Ion:252 Resp: 32255
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 7.4 4.8 7.2#





#90
 Benzo(a)pyrene
 Concen: 2.732 ng
 RT: 24.686 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: BG054536.D
 Acq: 5 Aug 2022 15:26

Instrument :
 BNA_G
 ClientSampleId :
 RVE-155



Tgt Ion:252 Resp: 21655
 Ion Ratio Lower Upper
 252 100
 253 27.4 17.8 26.8#
 125 7.6 4.3 6.5#

