

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054514.D
 Acq On : 4 Aug 2022 11:27
 Operator : CG/JU
 Sample : N3930-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-105

Quant Time: Aug 04 13:44:20 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)

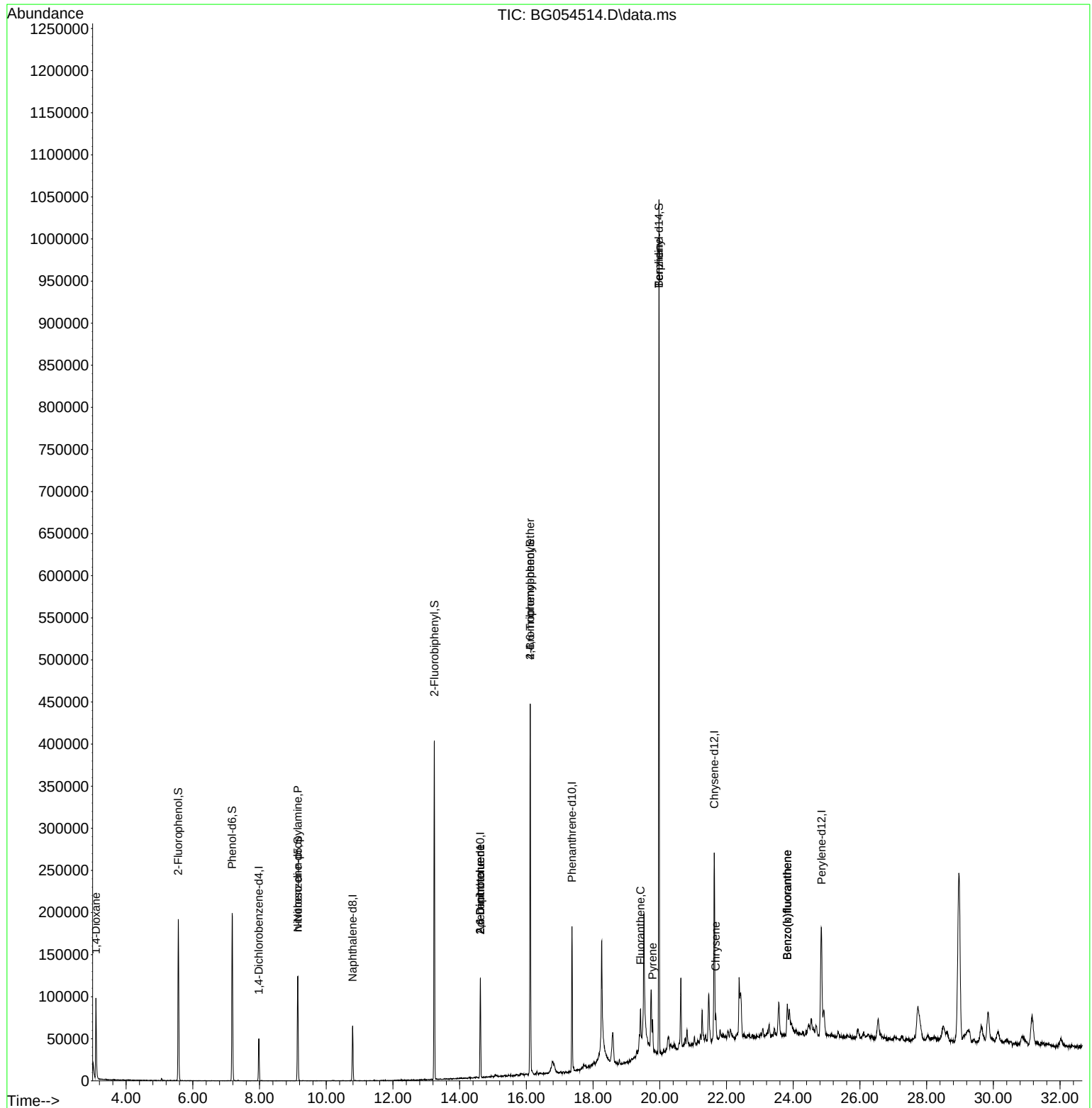
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	15956	20.000	ng	-0.01
21) Naphthalene-d8	10.791	136	59291	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	46404	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	123706	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	149003	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	156699	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	89223	116.751	ng	0.00
7) Phenol-d6	7.178	99	118981	113.622	ng	0.00
23) Nitrobenzene-d5	9.146	82	77752	71.413	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	115311	118.351	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	233522	70.991	ng	0.00
79) Terphenyl-d14	19.974	244	544892	72.546	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.094	88	899	2.957	ng	# 1
19) n-Nitroso-di-n-propyla...	9.146	70	10959	15.672	ng	# 85
51) 2,6-Dinitrotoluene	14.616	165	6337	7.971	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	6337	5.560	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6936	3.992	ng	# 1
75) Fluoranthene	19.422	202	24841	2.958	ng	99
77) Benzidine	19.974	184	7435	2.755	ng	# 83
78) Pyrene	19.786	202	22763	2.662	ng	96
83) Chrysene	21.678	228	27529	3.081	ng	98
88) Benzo(b)fluoranthene	23.823	252	48420	5.225	ng	# 97
89) Benzo(k)fluoranthene	23.823	252	48420	5.250	ng	98

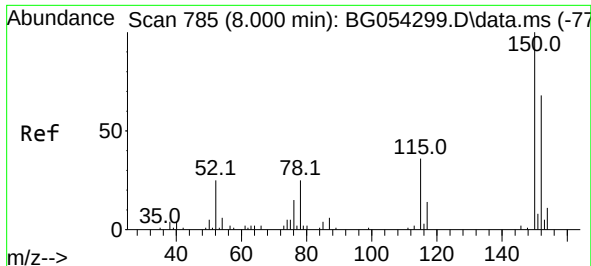
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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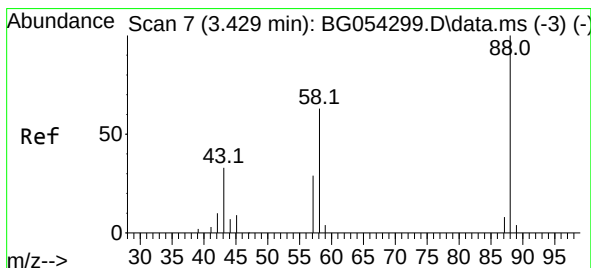
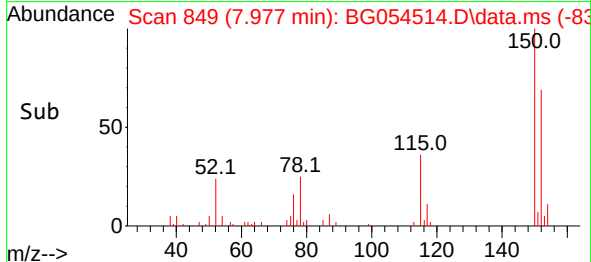
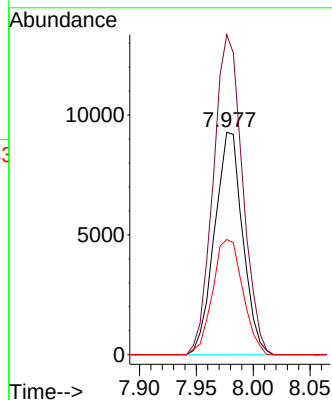
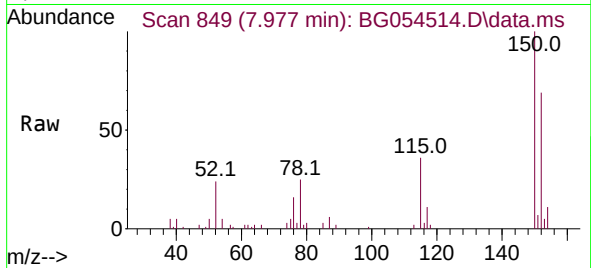




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.977 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

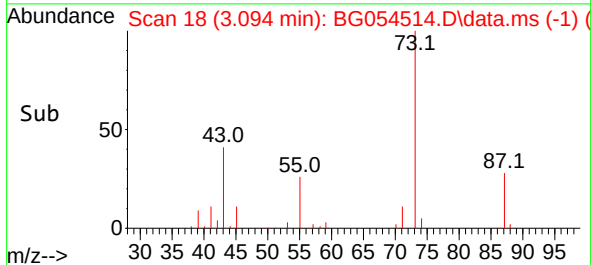
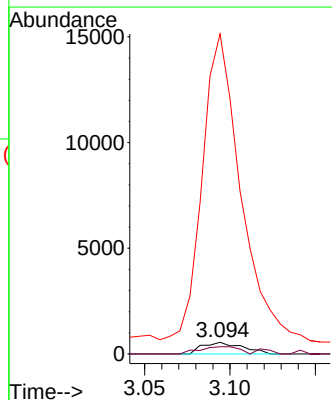
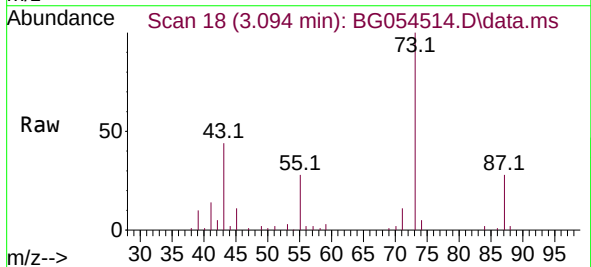
Instrument :
 BNA_G
 ClientSampleId :
 RVE-105

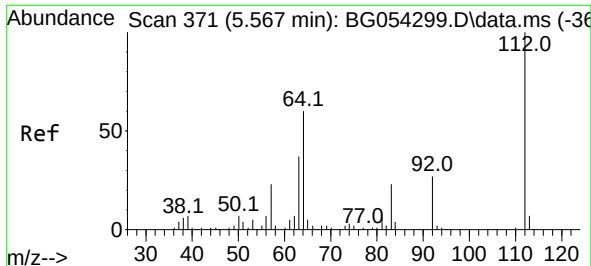
Tgt Ion:152 Resp: 15956
 Ion Ratio Lower Upper
 152 100
 150 143.9 131.6 197.4
 115 51.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.957 ng
 RT: 3.094 min Scan# 18
 Delta R.T. -0.323 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

Tgt Ion: 88 Resp: 899
 Ion Ratio Lower Upper
 88 100
 58 61.6 59.2 88.8
 43 2760.5 24.3 36.5#

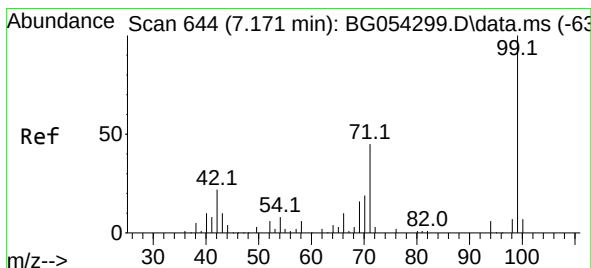
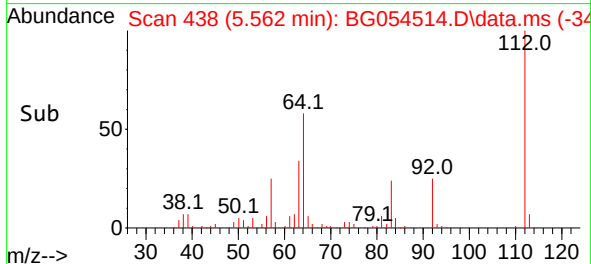
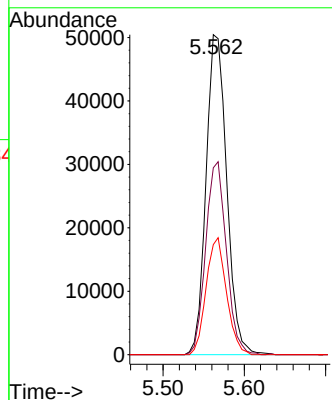
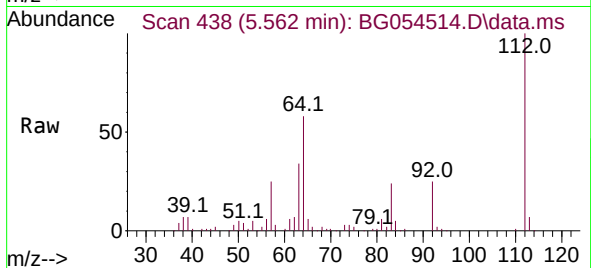




#5
2-Fluorophenol
Concen: 116.751 ng
RT: 5.562 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

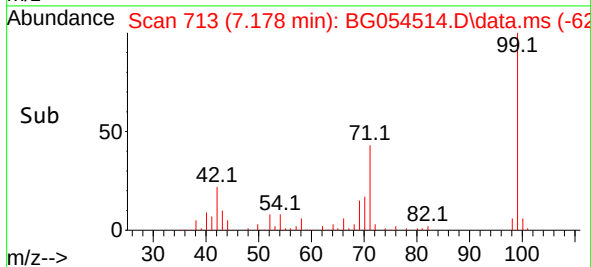
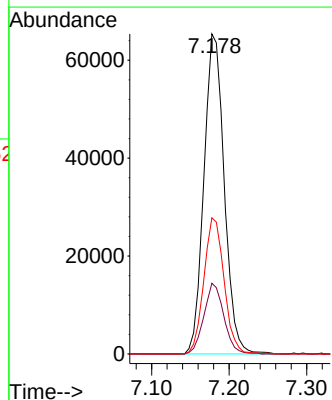
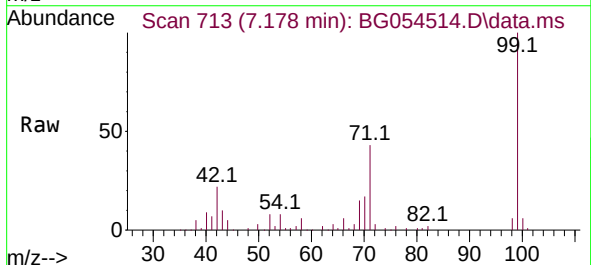
Instrument :
BNA_G
ClientSampleId :
RVE-105

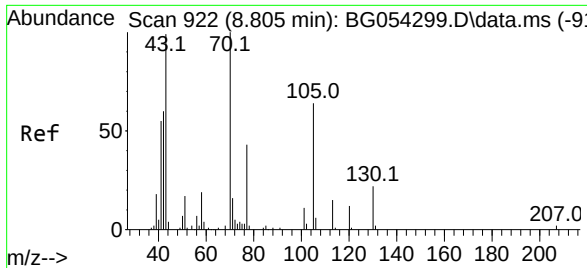
Tgt Ion:112 Resp: 89223
Ion Ratio Lower Upper
112 100
64 58.4 55.1 82.7
63 34.4 30.4 45.6



#7
Phenol-d6
Concen: 113.622 ng
RT: 7.178 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion: 99 Resp: 118981
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 42.5 33.8 50.8

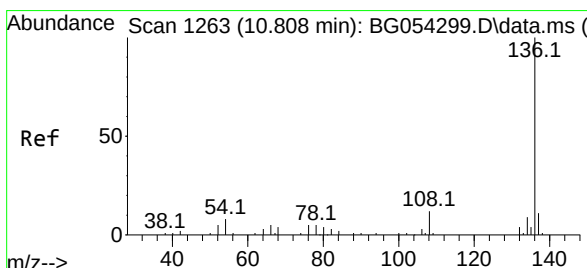
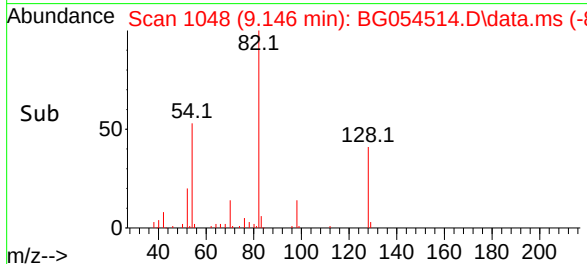
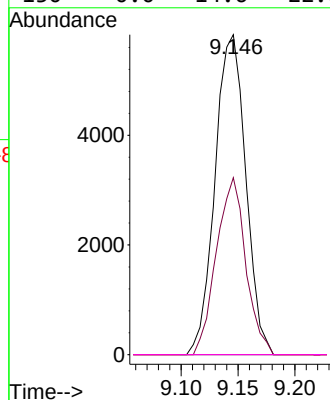
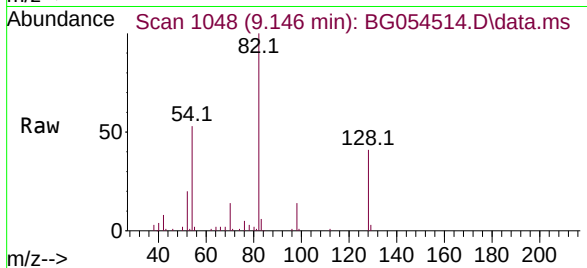




#19
n-Nitroso-di-n-propylamine
Concen: 15.672 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.353 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

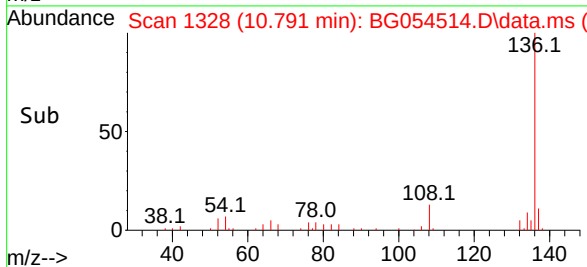
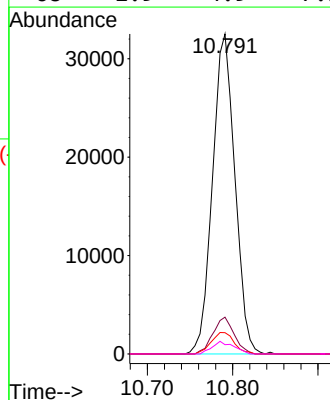
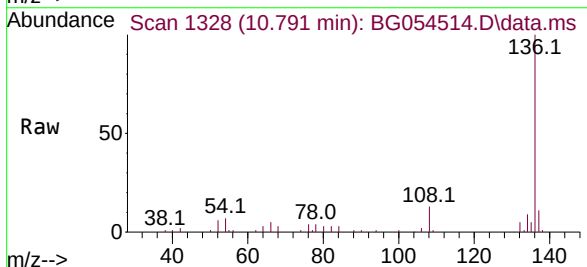
Instrument :
BNA_G
ClientSampleId :
RVE-105

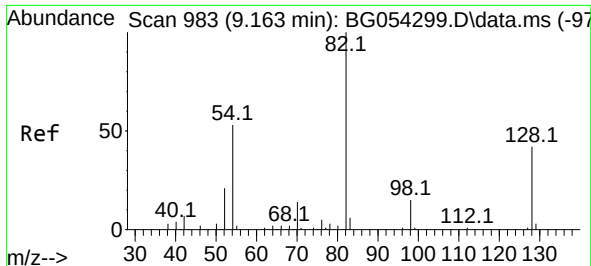
Tgt Ion:	70	Resp:	10959
Ion	Ratio	Lower	Upper
70	100		
42	55.3	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:	136	Resp:	59291
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	6.7	7.4	11.2#
68	2.9	4.9	7.3#

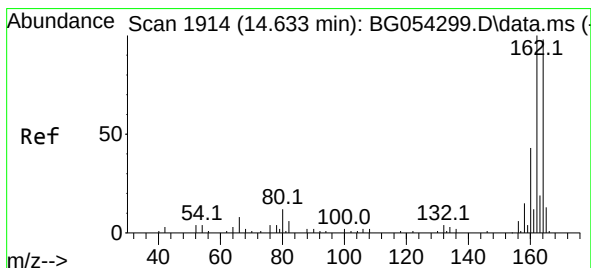
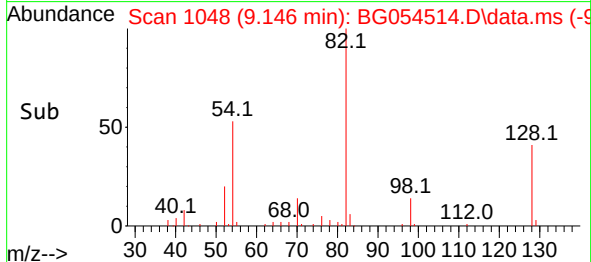
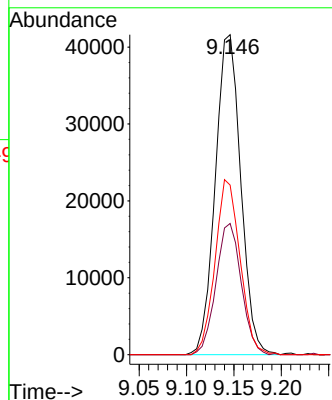
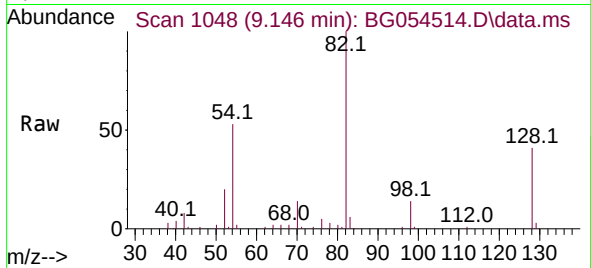




#23
Nitrobenzene-d5
Concen: 71.413 ng
RT: 9.146 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

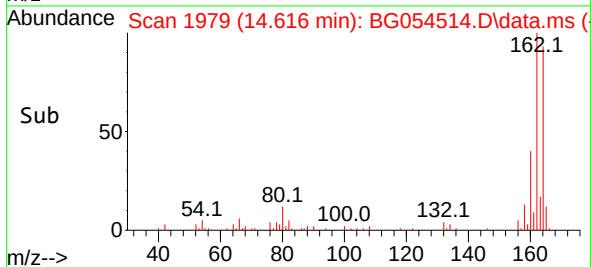
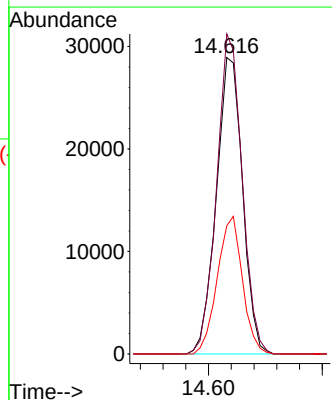
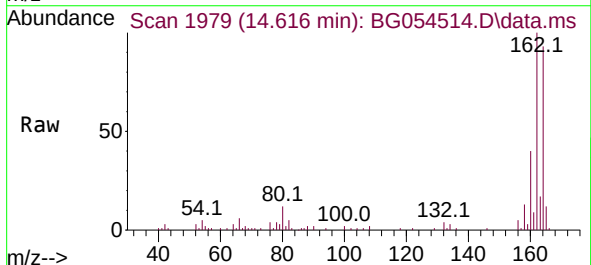
Instrument :
BNA_G
ClientSampleId :
RVE-105

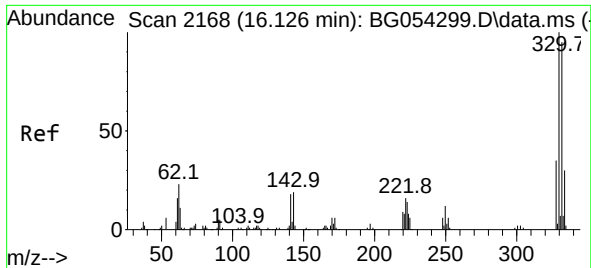
Tgt Ion: 82 Resp: 77752
Ion Ratio Lower Upper
82 100
128 41.0 27.9 41.9
54 53.0 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:164 Resp: 46404
Ion Ratio Lower Upper
164 100
162 107.9 82.3 123.5
160 43.2 34.2 51.2

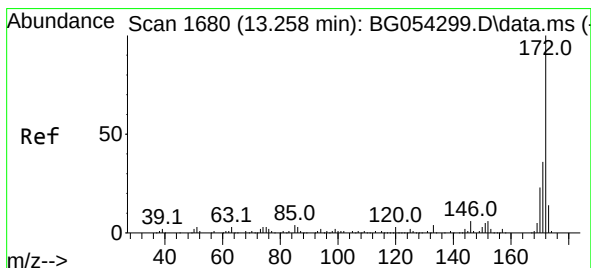
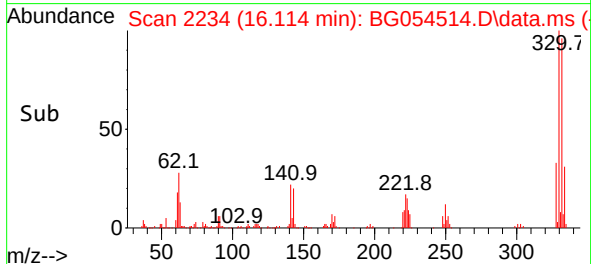
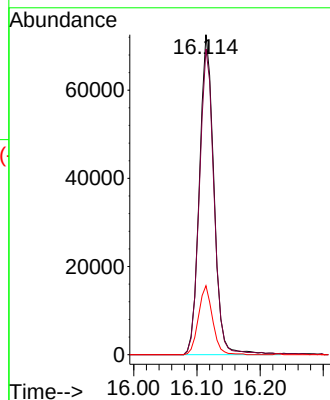
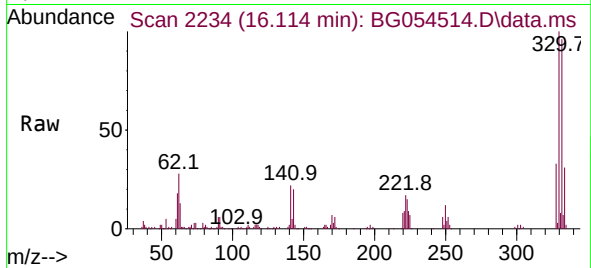




#42
 2,4,6-Tribromophenol
 Concen: 118.351 ng
 RT: 16.114 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

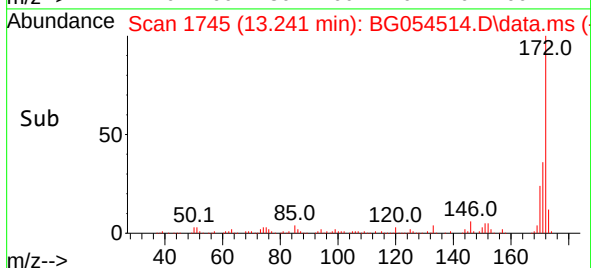
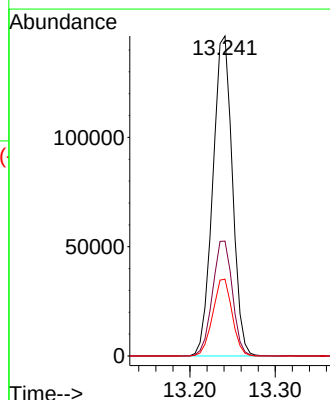
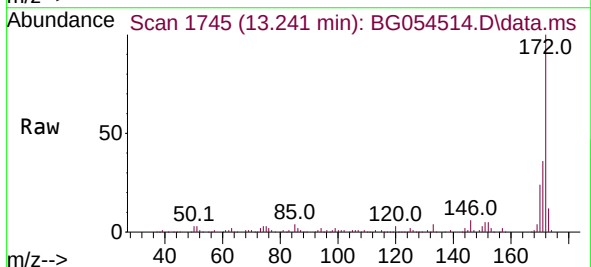
Instrument :
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 ClientSampleId :
 RVE-105

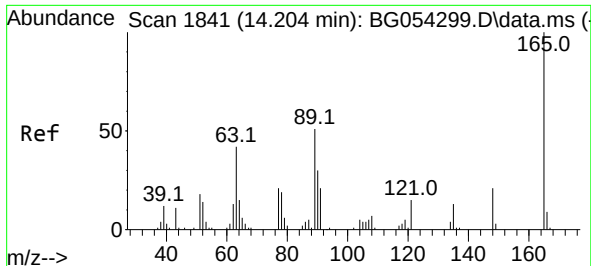
Tgt Ion:330 Resp: 115311
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.0 114.0
 141 21.0 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 70.991 ng
 RT: 13.241 min Scan# 1745
 Delta R.T. -0.006 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

Tgt Ion:172 Resp: 233522
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 24.0 18.9 28.3

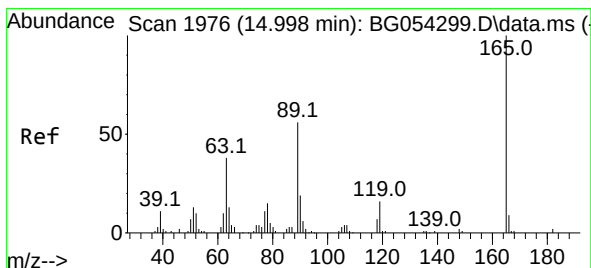
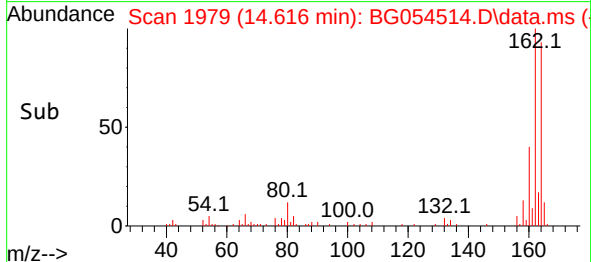
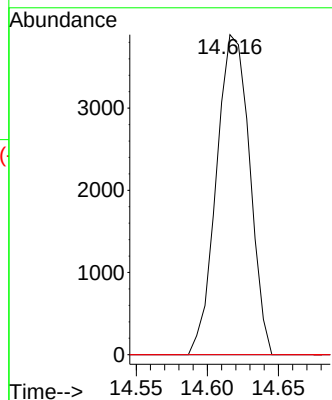
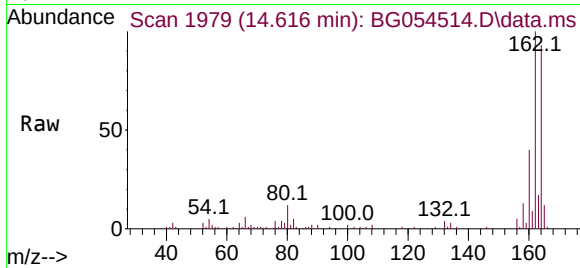




#51
2,6-Dinitrotoluene
Concen: 7.971 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

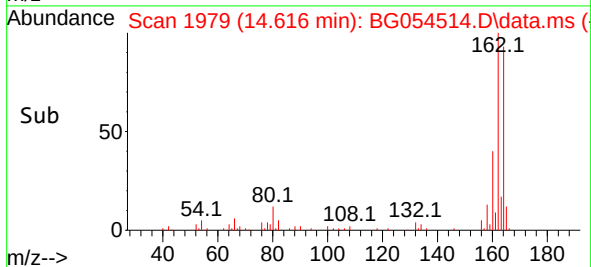
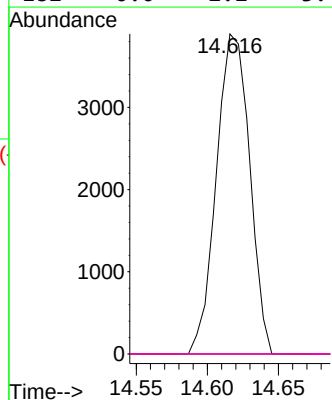
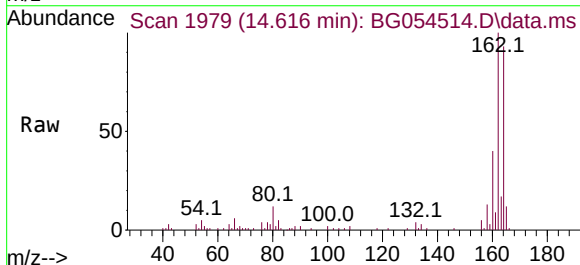
Instrument :
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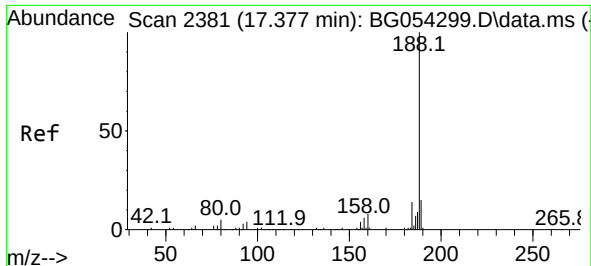
Tgt Ion:165 Resp: 6337
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.560 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:165 Resp: 6337
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#

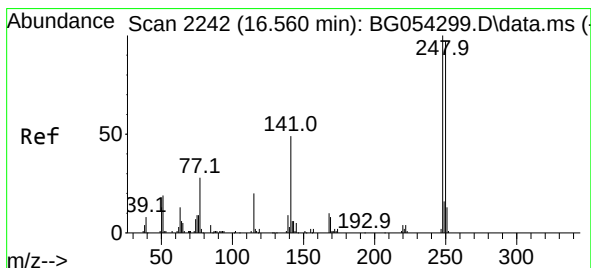
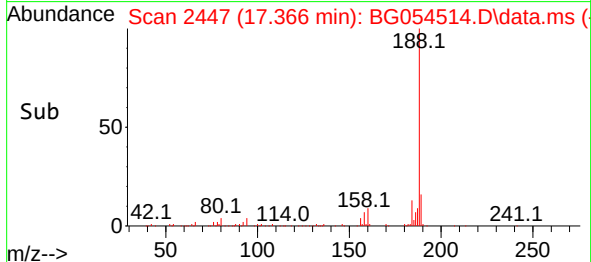
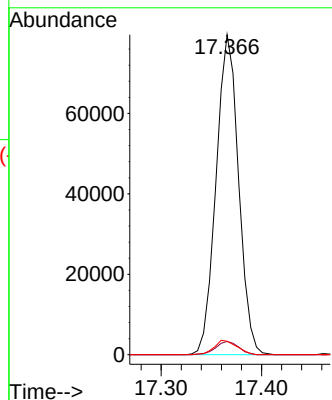
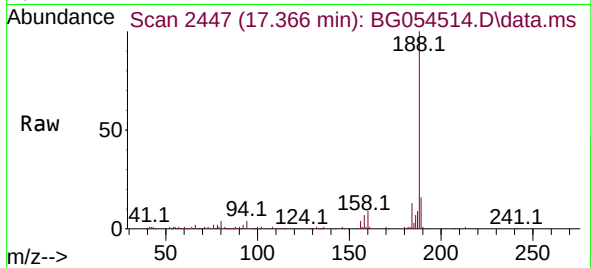




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

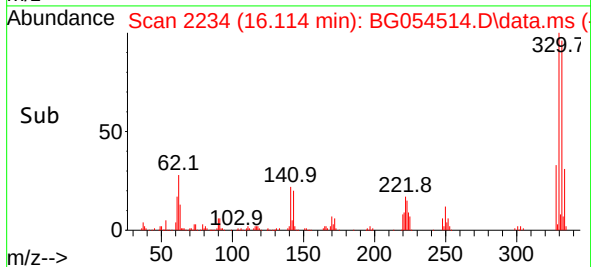
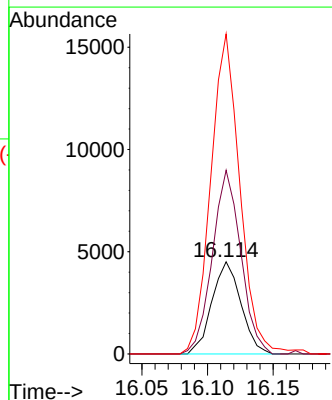
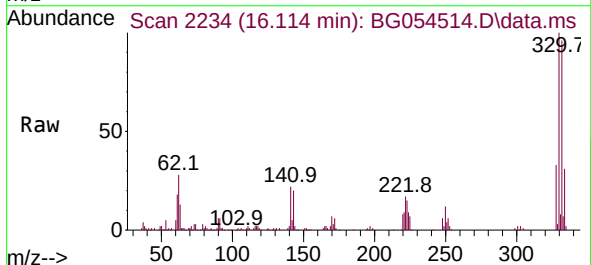
Instrument :
BNA_G
ClientSampleId :
RVE-105

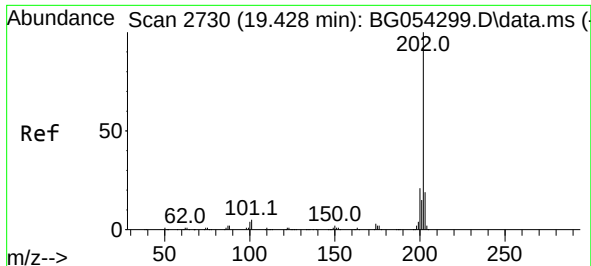
Tgt Ion:188 Resp: 123706
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.2 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.992 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:248 Resp: 6936
Ion Ratio Lower Upper
248 100
250 199.4 75.2 112.8#
141 347.5 50.0 75.0#

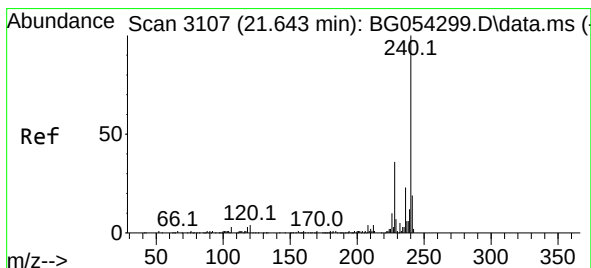
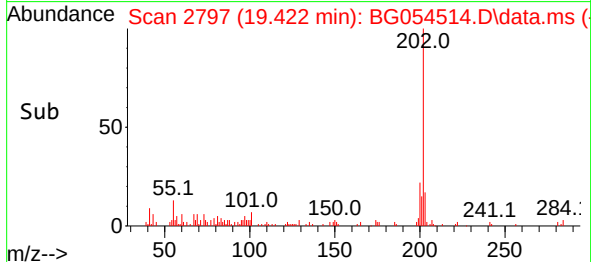
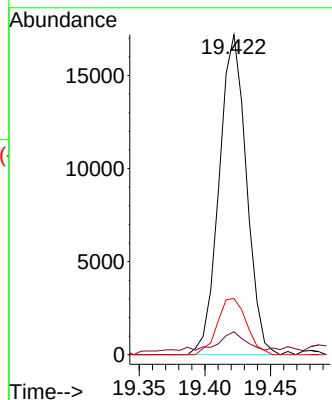
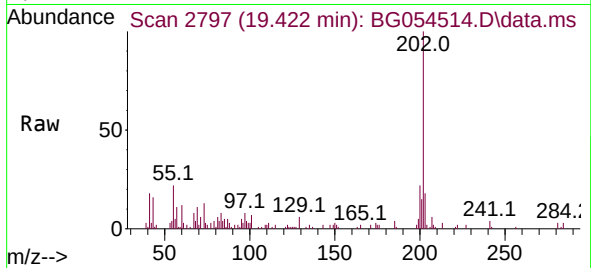




#75
Fluoranthene
Concen: 2.958 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

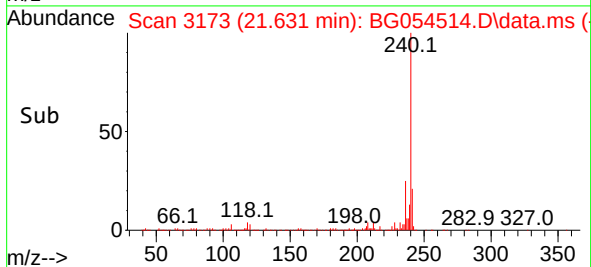
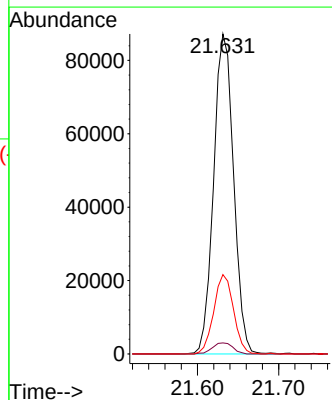
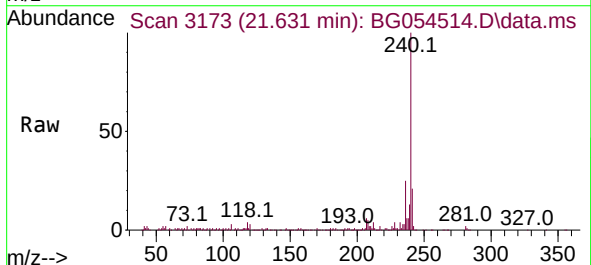
Instrument :
BNA_G
ClientSampleId :
RVE-105

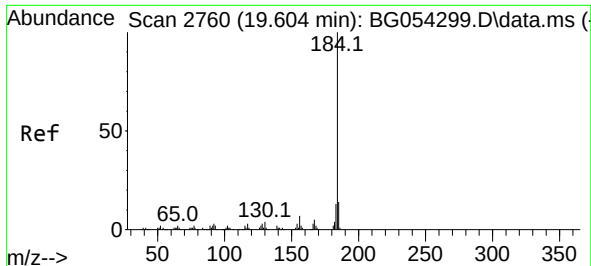
Tgt Ion:202 Resp: 24841
Ion Ratio Lower Upper
202 100
101 7.2 0.0 26.9
203 17.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:240 Resp: 149003
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.8 20.2 30.4

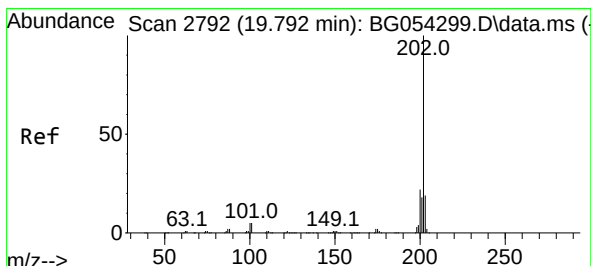
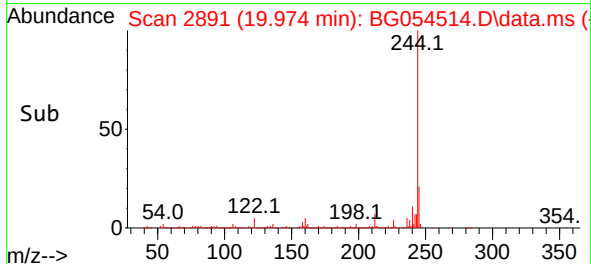
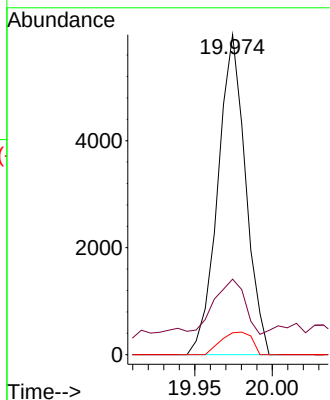
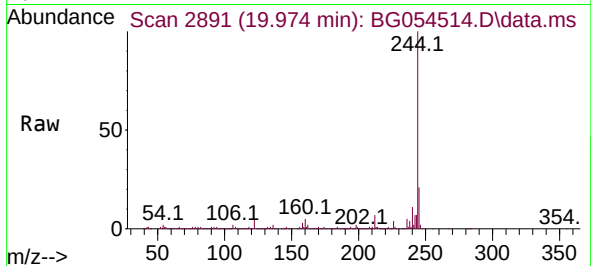




#77
Benzidine
Concen: 2.755 ng
RT: 19.974 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

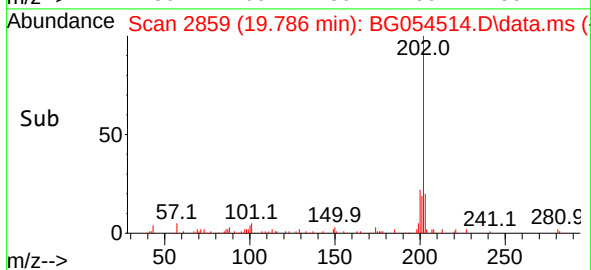
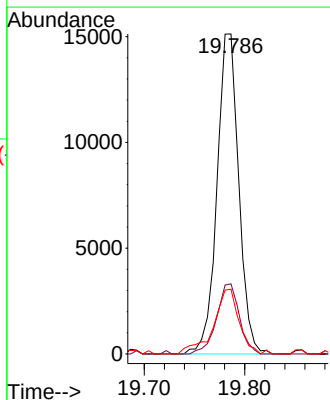
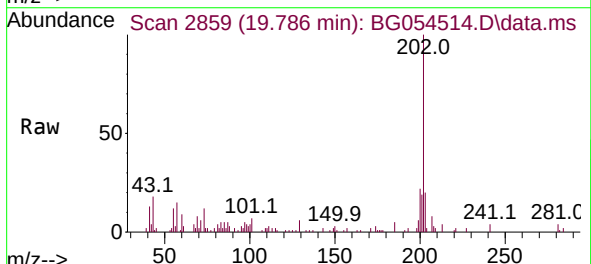
Instrument :
BNA_G
ClientSampleId :
RVE-105

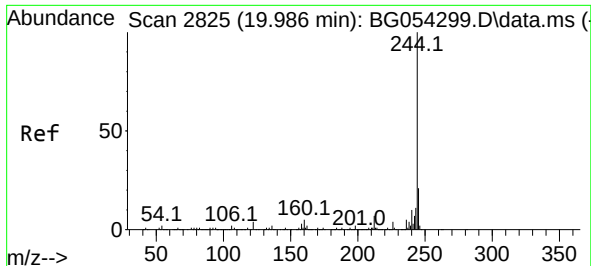
Tgt Ion:184 Resp: 7435
Ion Ratio Lower Upper
184 100
185 23.6 11.8 17.6#
183 6.9 8.9 13.3#



#78
Pyrene
Concen: 2.662 ng
RT: 19.786 min Scan# 2859
Delta R.T. 0.000 min
Lab File: BG054514.D
Acq: 4 Aug 2022 11:27

Tgt Ion:202 Resp: 22763
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 20.3 14.6 21.8

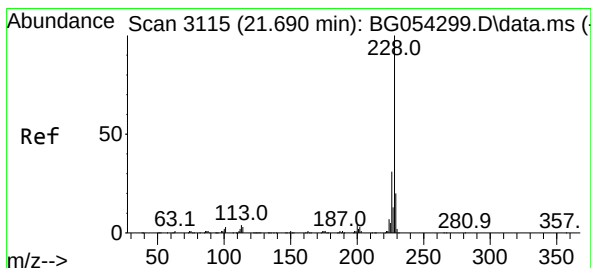
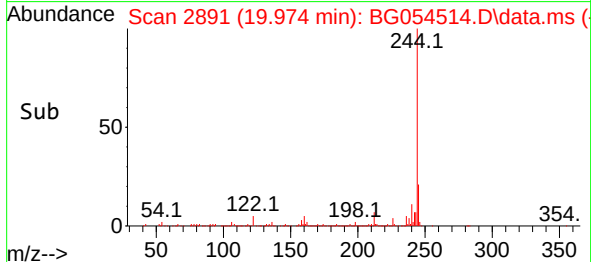
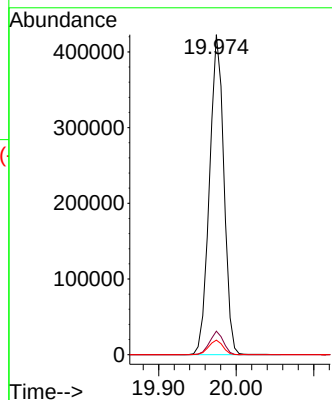
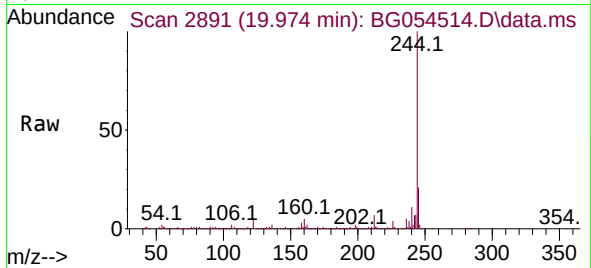




#79
 Terphenyl-d14
 Concen: 72.546 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

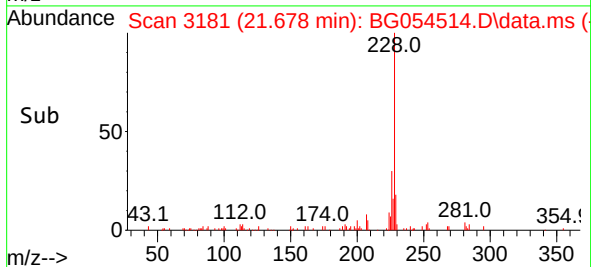
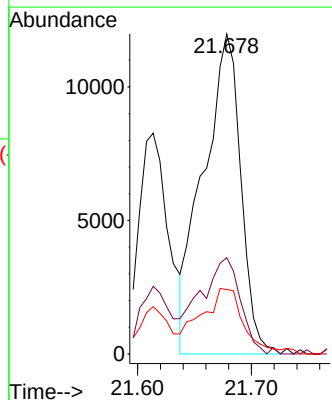
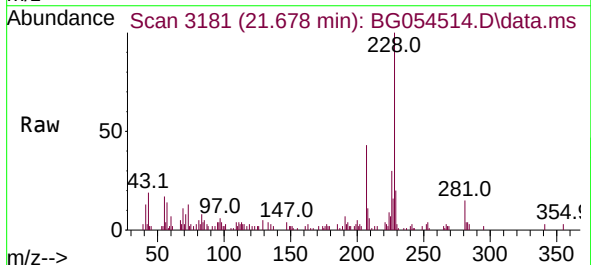
Instrument :
 BNA_G
 ClientSampleId :
 RVE-105

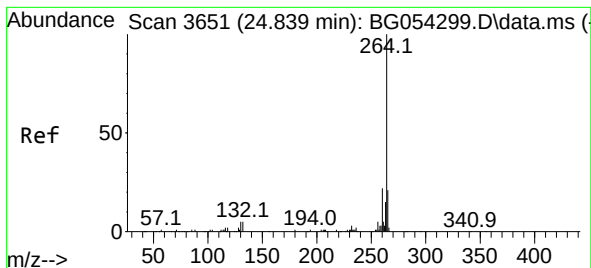
Tgt Ion:244 Resp: 544892
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.6 5.0 7.4#



#83
 Chrysene
 Concen: 3.081 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. -0.006 min
 Lab File: BG054514.D
 Acq: 4 Aug 2022 11:27

Tgt Ion:228 Resp: 27529
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.4 35.2
 229 20.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.845 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG054514.D

Acq: 4 Aug 2022 11:27

Instrument :

BNA_G

ClientSampleId :

RVE-105

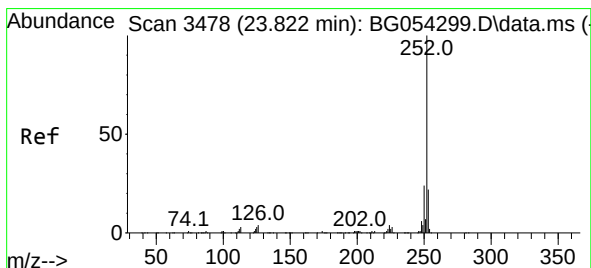
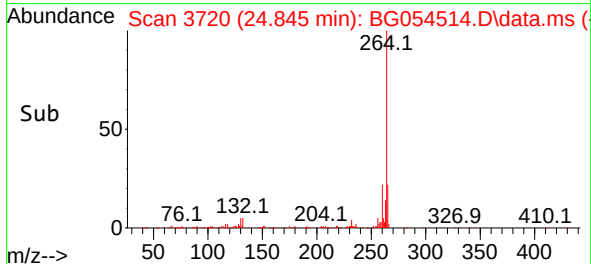
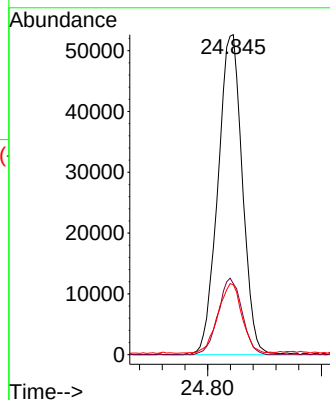
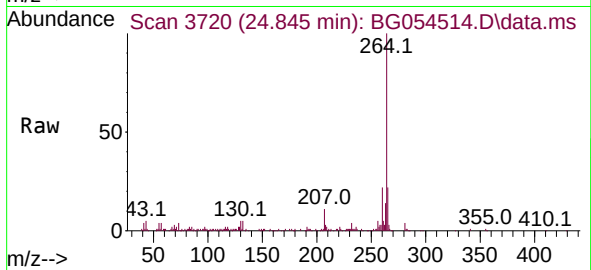
Tgt Ion:264 Resp: 156699

Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.6

265 21.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.225 ng

RT: 23.823 min Scan# 3546

Delta R.T. 0.000 min

Lab File: BG054514.D

Acq: 4 Aug 2022 11:27

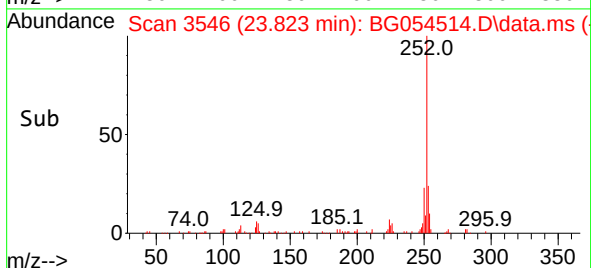
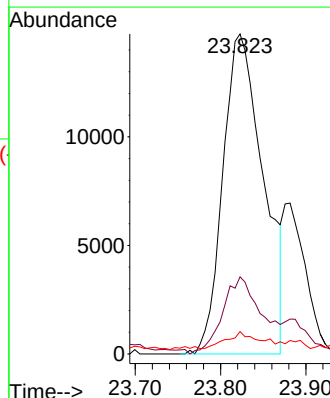
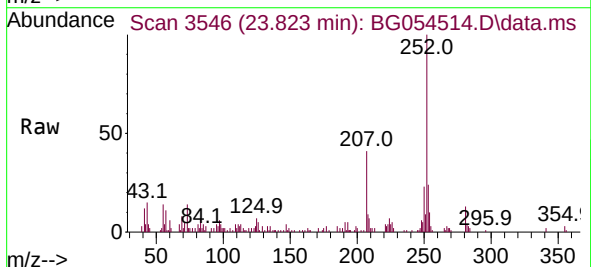
Tgt Ion:252 Resp: 48420

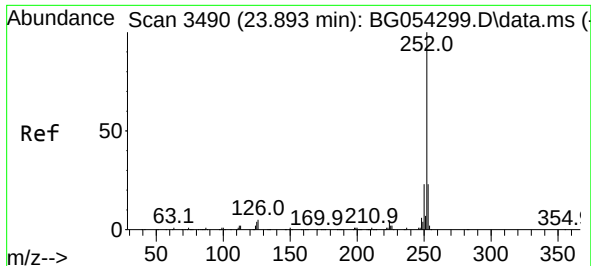
Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 7.0 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 5.250 ng

RT: 23.823 min Scan# 3

Delta R.T. -0.065 min

Lab File: BG054514.D

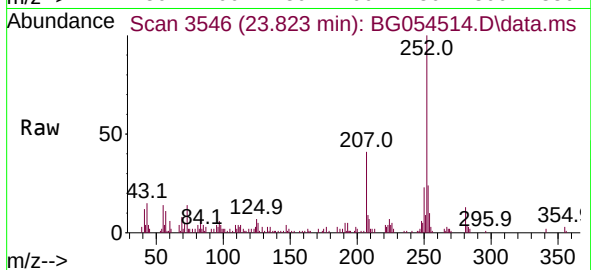
Acq: 4 Aug 2022 11:27

Instrument :

BNA_G

ClientSampleId :

RVE-105



Tgt Ion:252 Resp: 48420

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 7.0 4.8 7.2

