

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054501.D
 Acq On : 3 Aug 2022 16:00
 Operator : CG/JU
 Sample : N3935-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-139

Quant Time: Aug 04 00:43:54 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)

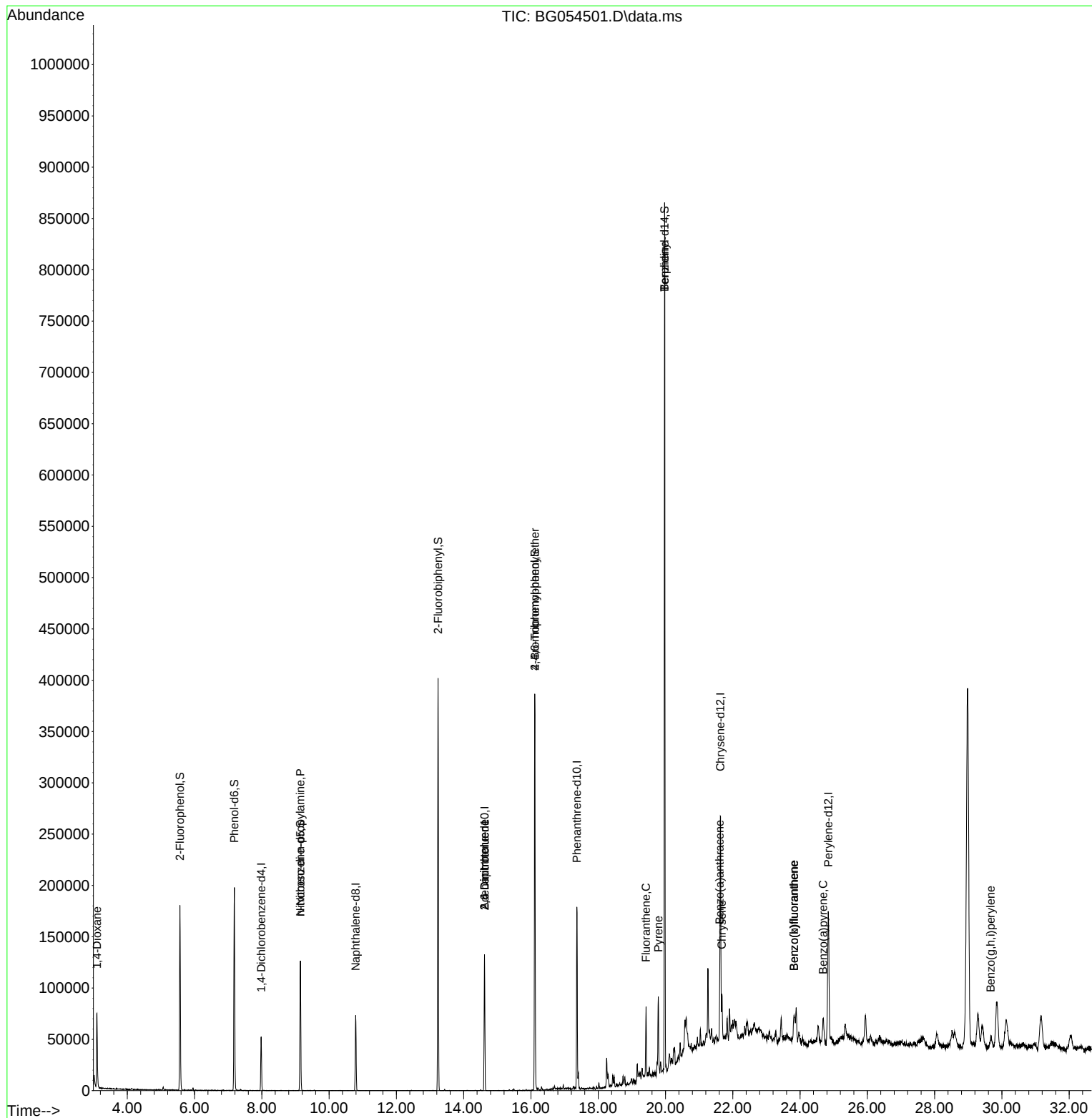
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	16925	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	65852	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	52058	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	128359	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	145641	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	156606	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	82239	101.451	ng	0.00
7) Phenol-d6	7.183	99	112878	101.622	ng	0.01
23) Nitrobenzene-d5	9.145	82	77574	64.151	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	106356	97.304	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	234759	63.616	ng	0.00
79) Terphenyl-d14	19.973	244	477350	65.021	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.099	88	747	2.316	ng	# 1
9) Benzaldehyde	7.177	77	127	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.145	70	10825	14.594	ng	# 77
51) 2,6-Dinitrotoluene	14.621	165	7001	7.850	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7001	5.476	ng	# 21
67) 4-Bromophenyl-phenylether	16.119	248	6220	3.450	ng	# 1
75) Fluoranthene	19.421	202	42812	4.913	ng	94
77) Benzidine	19.973	184	5946	2.254	ng	# 94
78) Pyrene	19.785	202	54452	6.516	ng	99
81) Benzo(a)anthracene	21.613	228	25688	2.779	ng	99
83) Chrysene	21.677	228	34903	3.996	ng	93
88) Benzo(b)fluoranthene	23.822	252	48515	5.238	ng	99
89) Benzo(k)fluoranthene	23.822	252	48515	5.264	ng	100
90) Benzo(a)pyrene	24.686	252	27002	3.414	ng	99
92) Benzo(g,h,i)perylene	29.668	276	22685	2.346	ng	# 93

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

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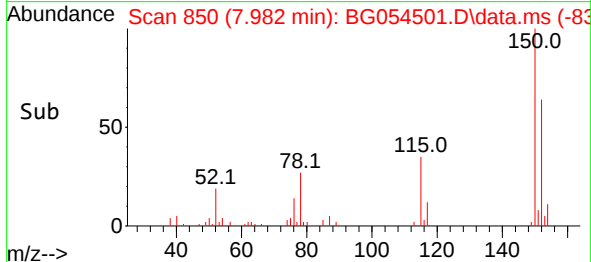
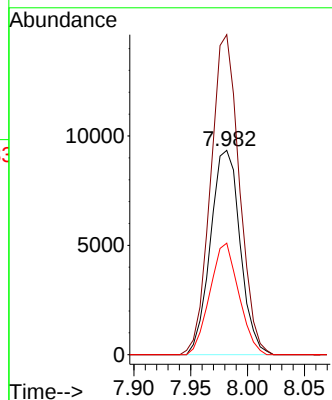
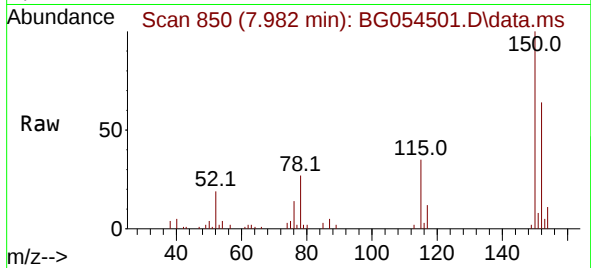




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.982 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG054501.D
 Acq: 3 Aug 2022 16:00

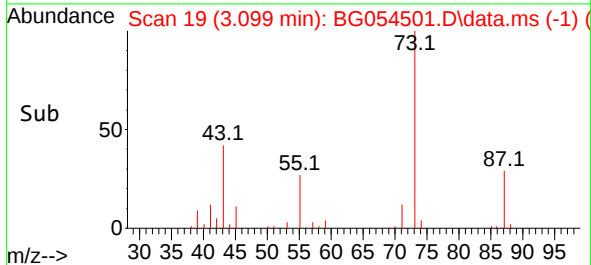
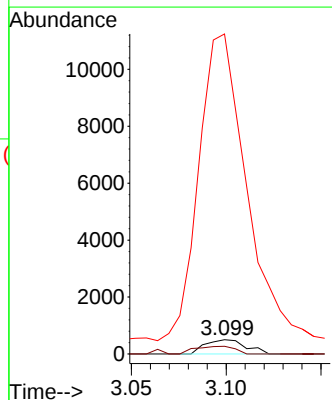
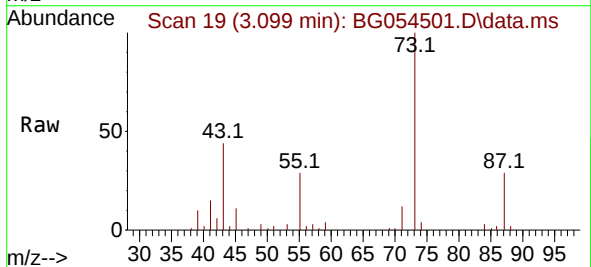
Instrument :
 BNA_G
 ClientSampleId :
 RVE-139

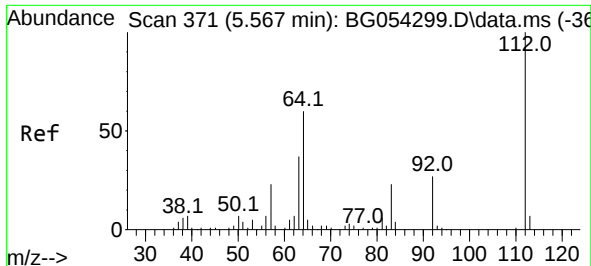
Tgt Ion:152 Resp: 16925
 Ion Ratio Lower Upper
 152 100
 150 156.7 131.6 197.4
 115 54.6 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.316 ng
 RT: 3.099 min Scan# 19
 Delta R.T. -0.318 min
 Lab File: BG054501.D
 Acq: 3 Aug 2022 16:00

Tgt Ion: 88 Resp: 747
 Ion Ratio Lower Upper
 88 100
 58 52.5 59.2 88.8#
 43 2699.5 24.3 36.5#

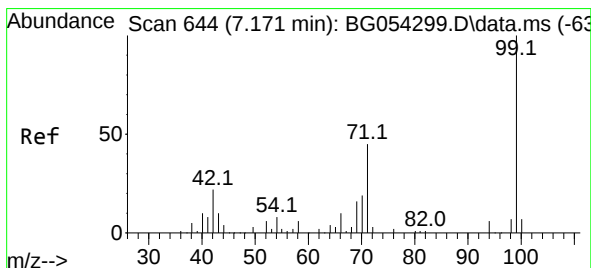
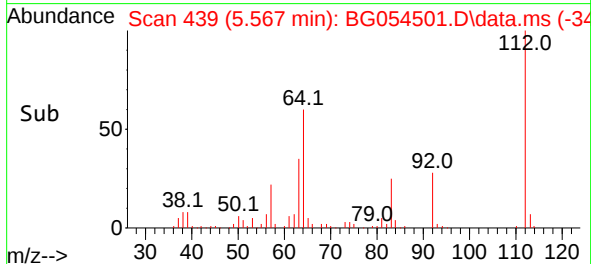
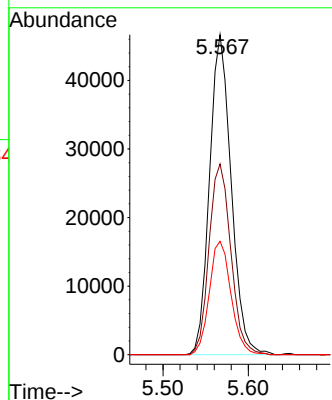
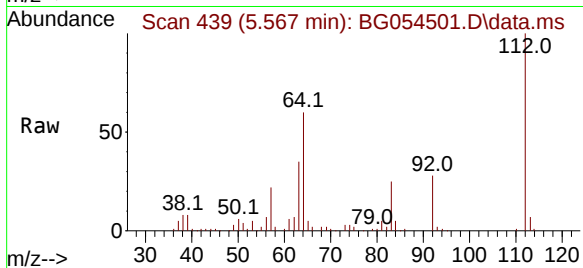




#5
2-Fluorophenol
Concen: 101.451 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

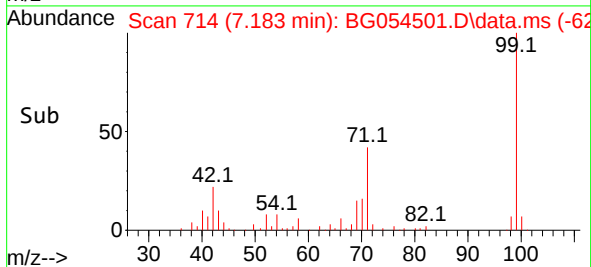
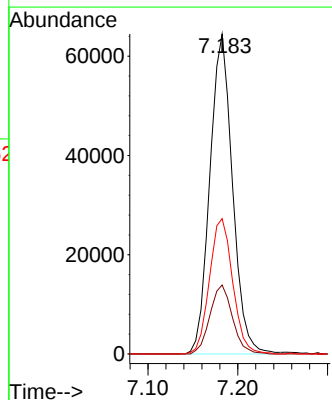
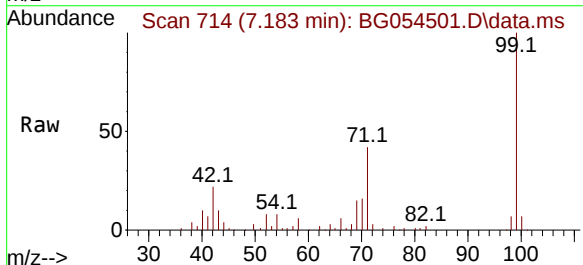
Instrument :
BNA_G
ClientSampleId :
RVE-139

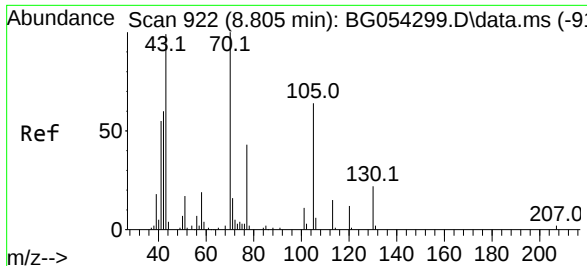
Tgt Ion:112 Resp: 82239
Ion Ratio Lower Upper
112 100
64 59.6 55.1 82.7
63 35.4 30.4 45.6



#7
Phenol-d6
Concen: 101.622 ng
RT: 7.183 min Scan# 714
Delta R.T. 0.011 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion: 99 Resp: 112878
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 42.3 33.8 50.8

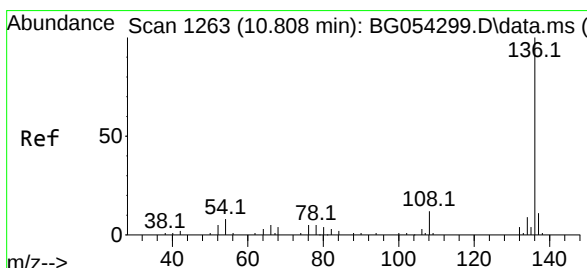
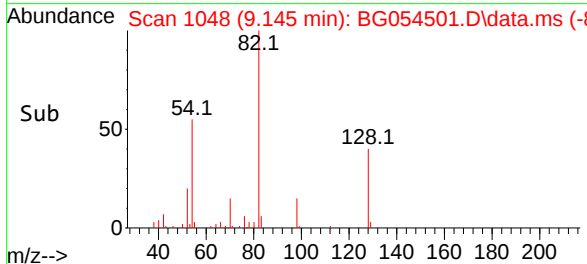
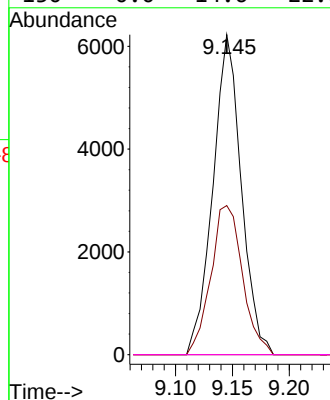
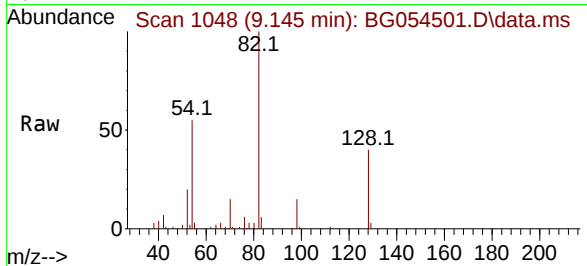




#19
n-Nitroso-di-n-propylamine
Concen: 14.594 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

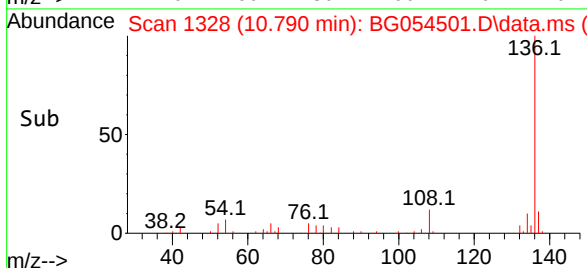
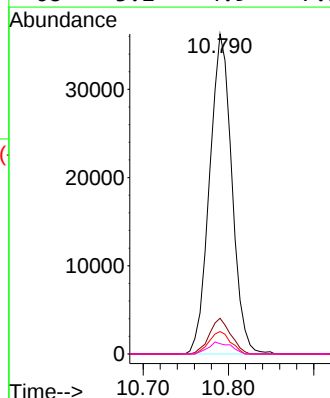
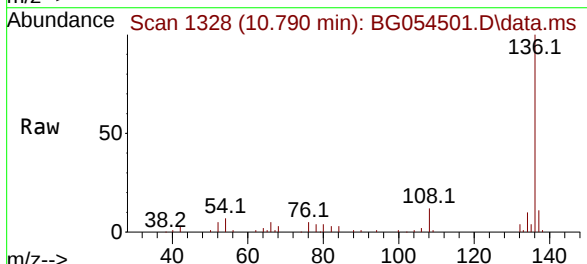
Instrument :
BNA_G
ClientSampleId :
RVE-139

Tgt Ion:	70	Resp:	10825
Ion	Ratio	Lower	Upper
70	100		
42	46.6	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: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:	136	Resp:	65852
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.0	7.4	11.2#
68	3.2	4.9	7.3#

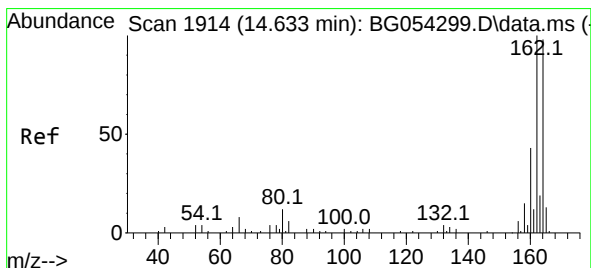
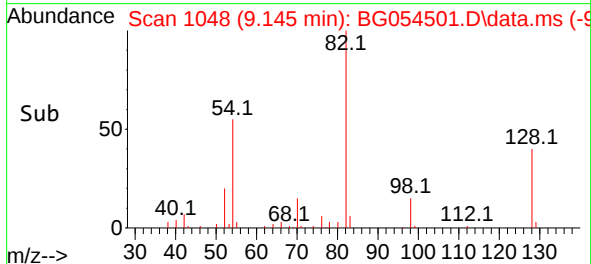
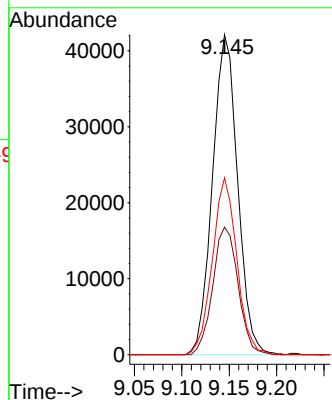
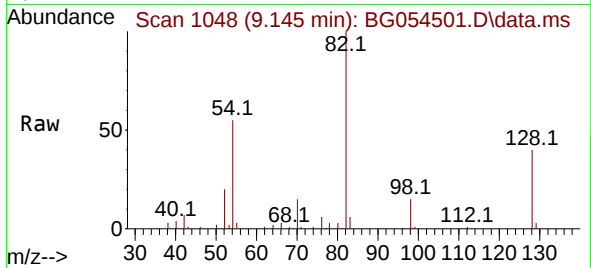




#23
Nitrobenzene-d5
Concen: 64.151 ng
RT: 9.145 min Scan# 110
Delta R.T. -0.007 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

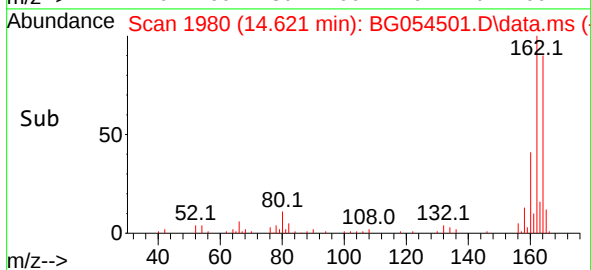
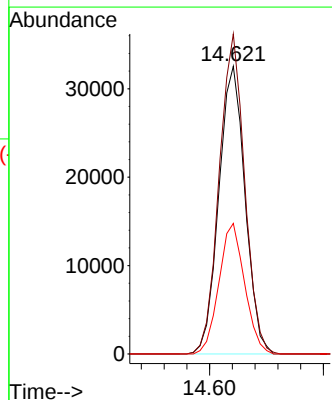
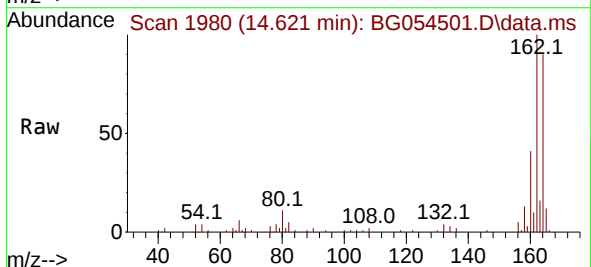
Instrument :
BNA_G
ClientSampleId :
RVE-139

Tgt Ion: 82 Resp: 77574
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 55.2 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: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:164 Resp: 52058
Ion Ratio Lower Upper
164 100
162 111.3 82.3 123.5
160 45.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 97.304 ng

RT: 16.119 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG054501.D

Acq: 3 Aug 2022 16:00

Instrument :

BNA_G

ClientSampleId :

RVE-139

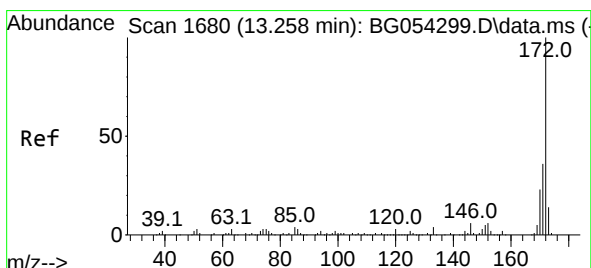
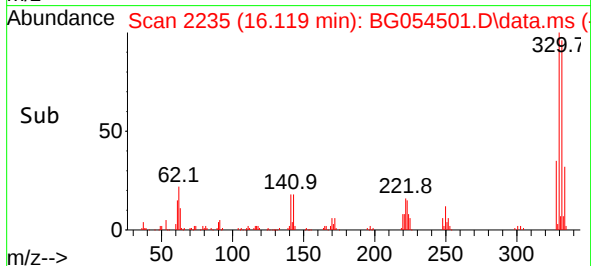
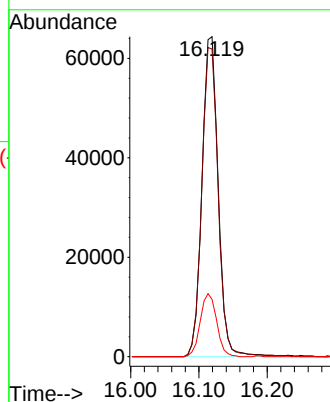
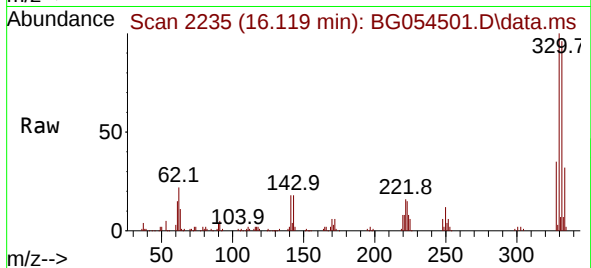
Tgt Ion:330 Resp: 106356

Ion Ratio Lower Upper

330 100

332 97.9 76.0 114.0

141 19.9 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 63.616 ng

RT: 13.240 min Scan# 1745

Delta R.T. -0.007 min

Lab File: BG054501.D

Acq: 3 Aug 2022 16:00

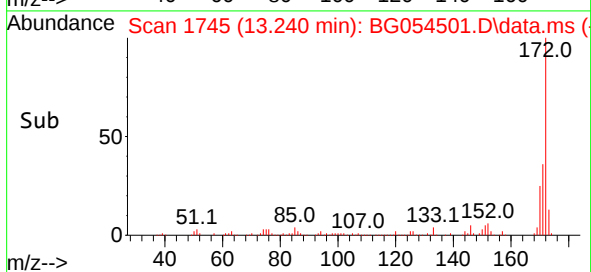
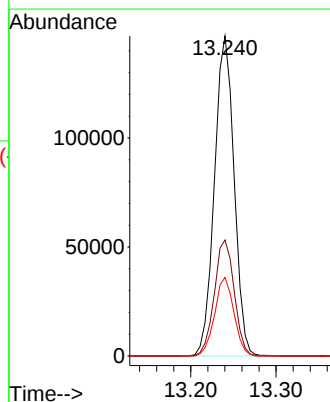
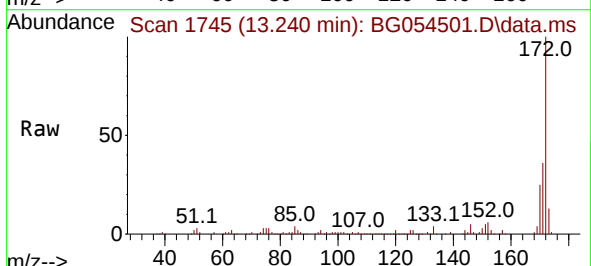
Tgt Ion:172 Resp: 234759

Ion Ratio Lower Upper

172 100

171 36.3 28.5 42.7

170 24.6 18.9 28.3

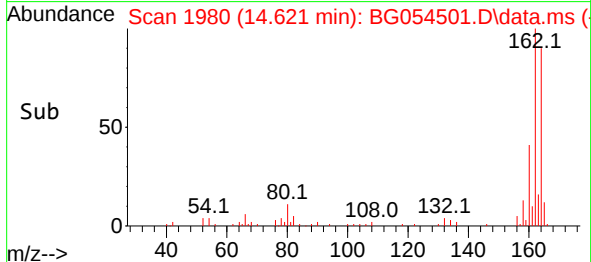
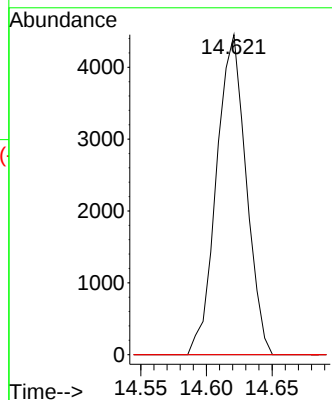
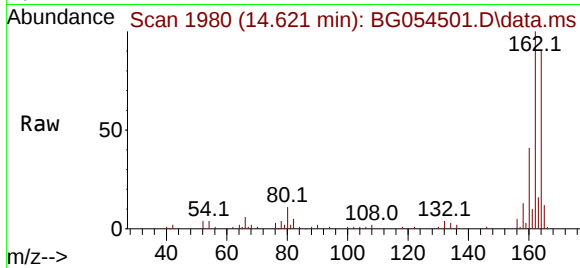




#51
2,6-Dinitrotoluene
Concen: 7.850 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

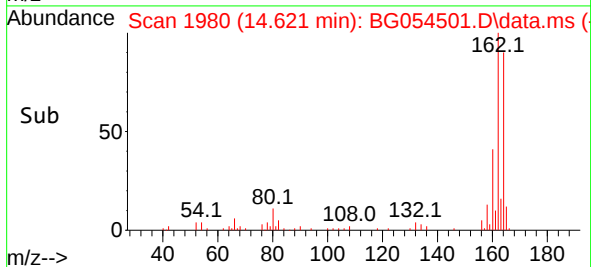
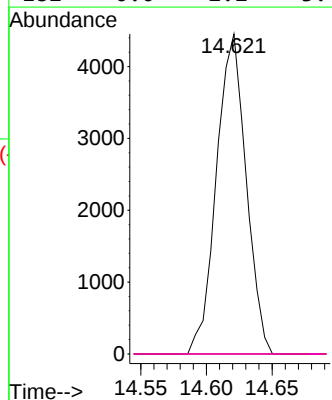
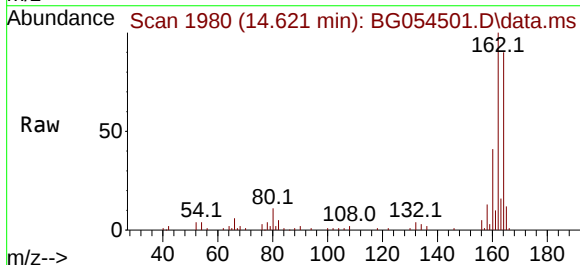
Instrument :
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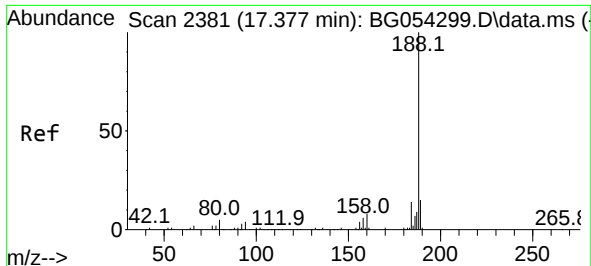
Tgt Ion:165 Resp: 7001
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.476 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.371 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:165 Resp: 7001
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#

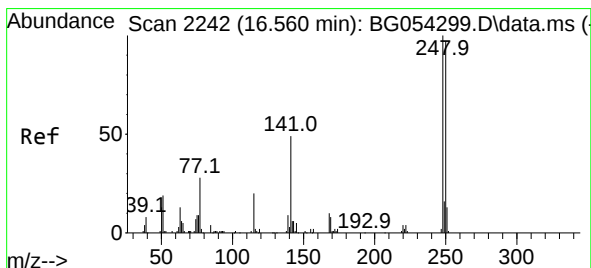
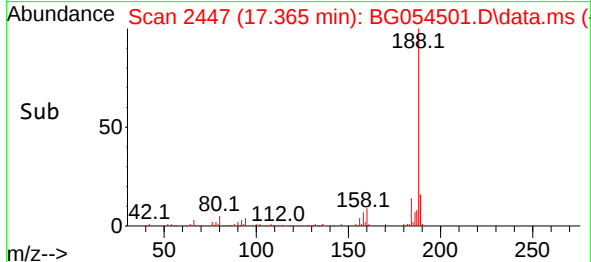
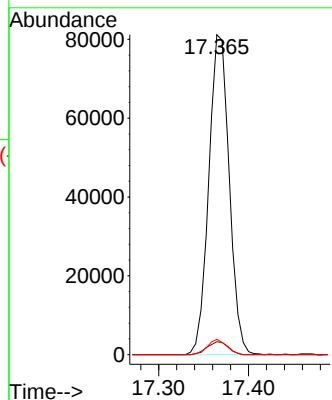
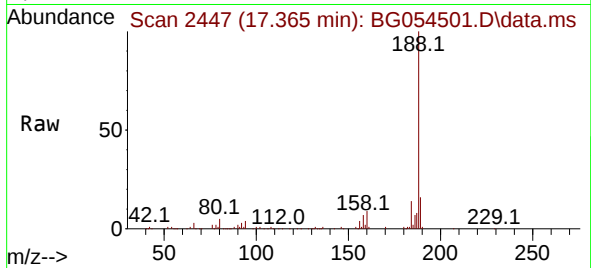




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

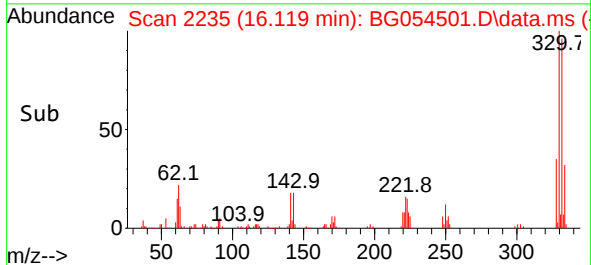
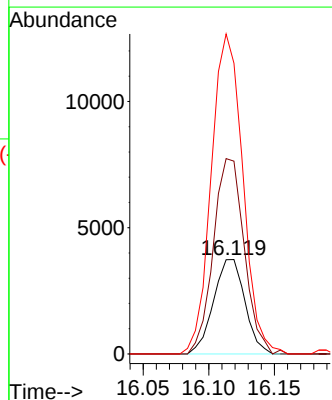
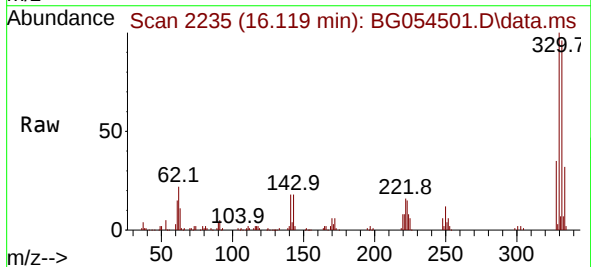
Instrument :
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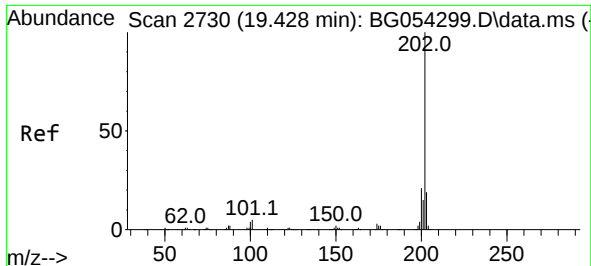
Tgt Ion:188 Resp: 128359
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.450 ng
RT: 16.119 min Scan# 2235
Delta R.T. -0.436 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:248 Resp: 6220
Ion Ratio Lower Upper
248 100
250 160.3 75.2 112.8#
141 241.7 50.0 75.0#

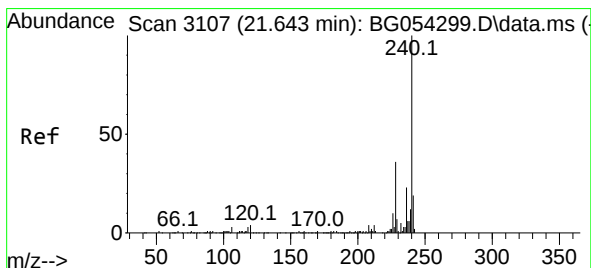
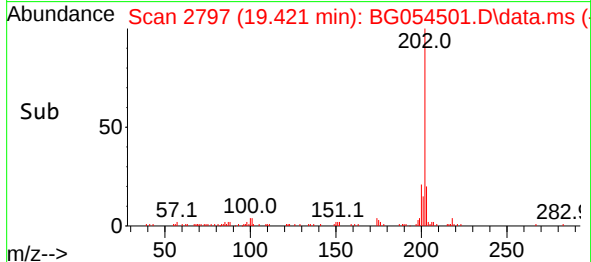
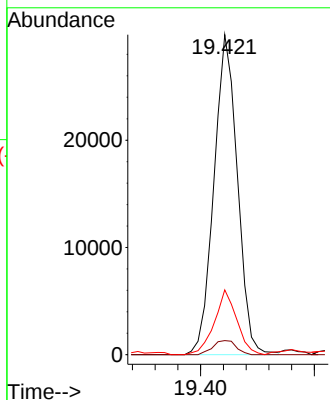
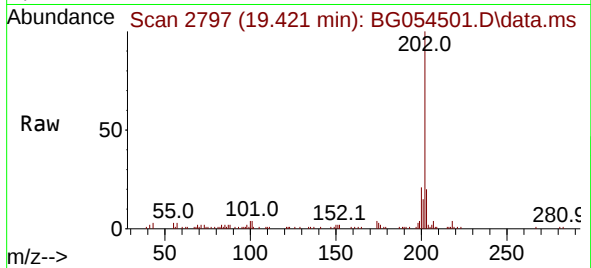




#75
Fluoranthene
Concen: 4.913 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

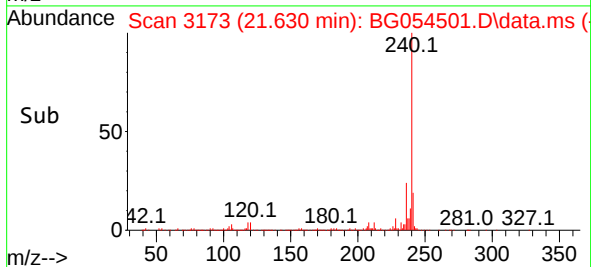
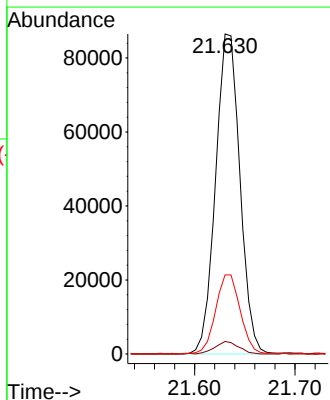
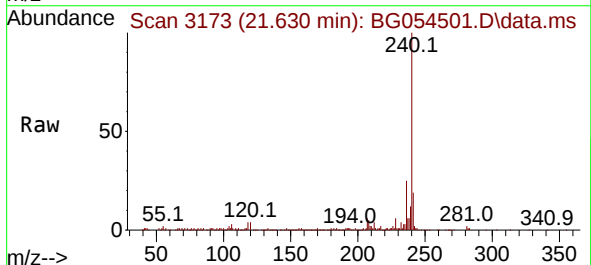
Instrument :
BNA_G
ClientSampleId :
RVE-139

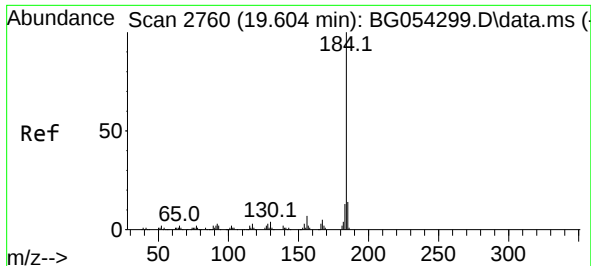
Tgt Ion:202 Resp: 42812
Ion Ratio Lower Upper
202 100
101 5.5 0.0 26.9
203 20.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:240 Resp: 145641
Ion Ratio Lower Upper
240 100
120 3.9 4.6 7.0#
236 24.7 20.2 30.4

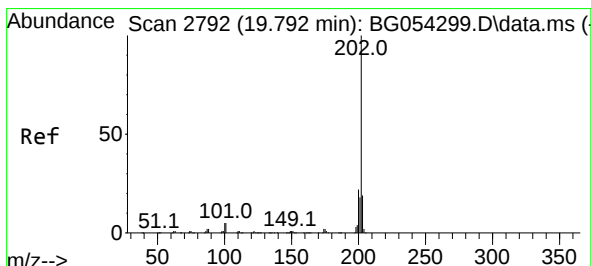
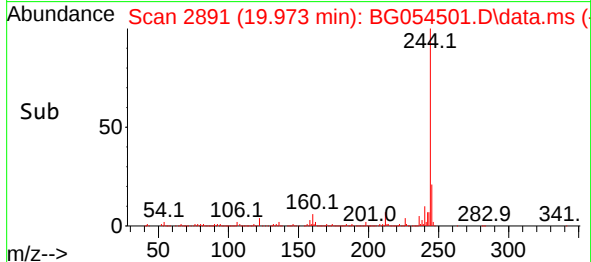
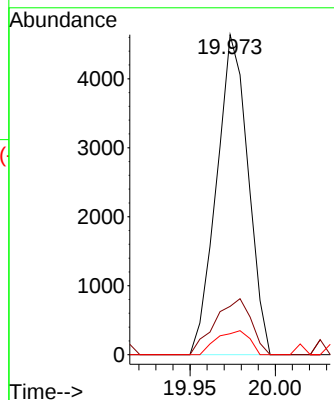
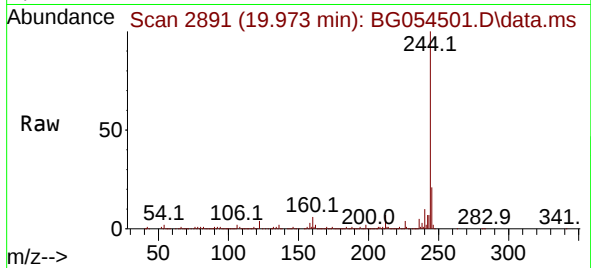




#77
Benzidine
Concen: 2.254 ng
RT: 19.973 min Scan# 2891
Delta R.T. 0.375 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

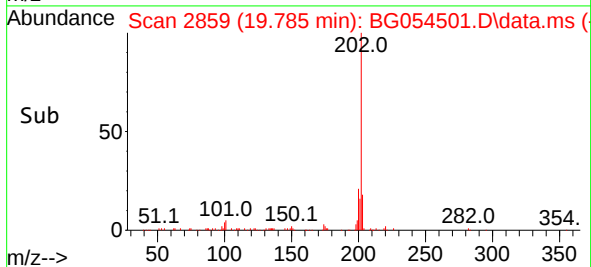
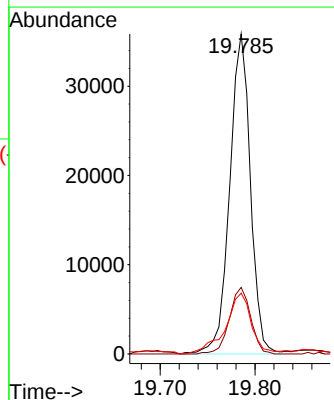
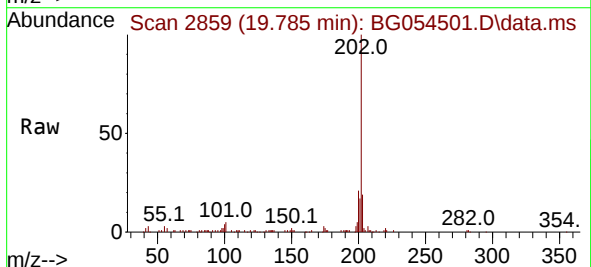
Instrument :
BNA_G
ClientSampleId :
RVE-139

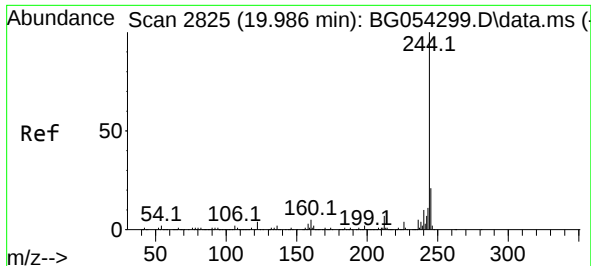
Tgt Ion:184 Resp: 5946
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.6
183 6.6 8.9 13.3#



#78
Pyrene
Concen: 6.516 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:202 Resp: 54452
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 19.0 14.6 21.8

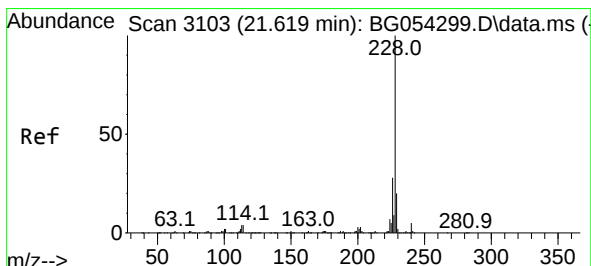
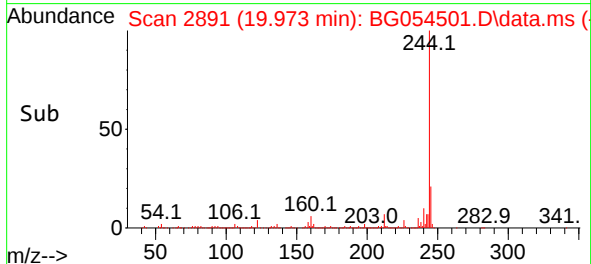
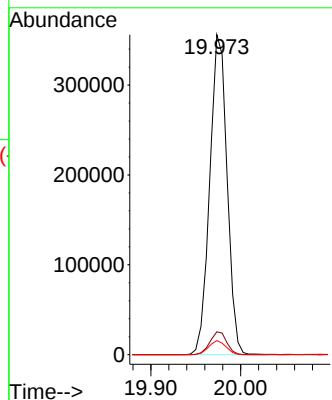
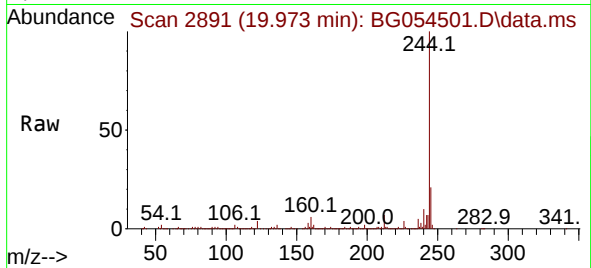




#79
 Terphenyl-d14
 Concen: 65.021 ng
 RT: 19.973 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054501.D
 Acq: 3 Aug 2022 16:00

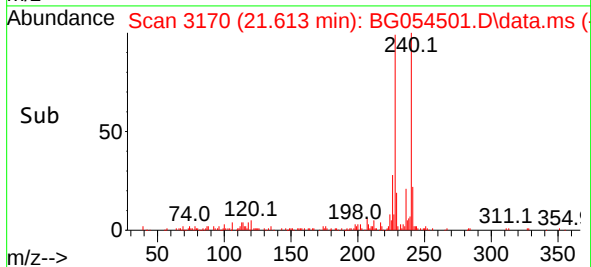
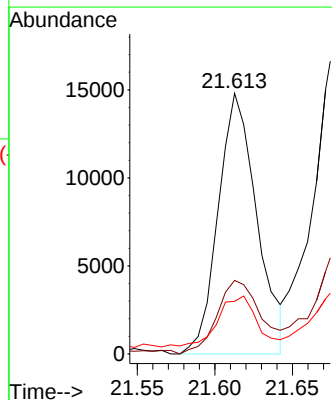
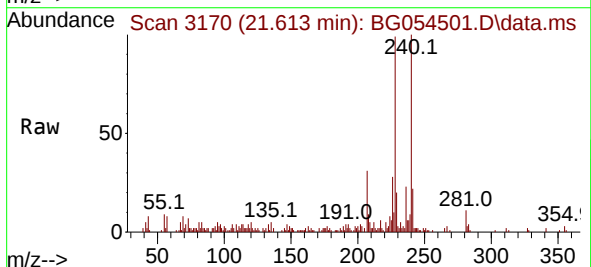
Instrument :
 BNA_G
 ClientSampleId :
 RVE-139

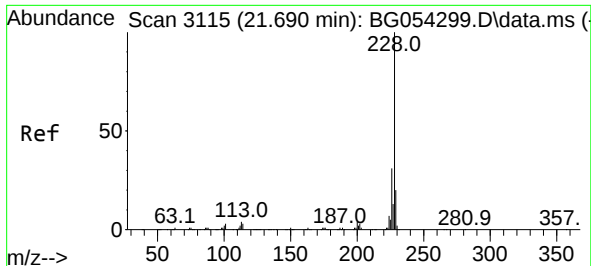
Tgt Ion:244 Resp: 477350
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.779 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.001 min
 Lab File: BG054501.D
 Acq: 3 Aug 2022 16:00

Tgt Ion:228 Resp: 25688
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.6 32.4
 229 20.2 16.2 24.2

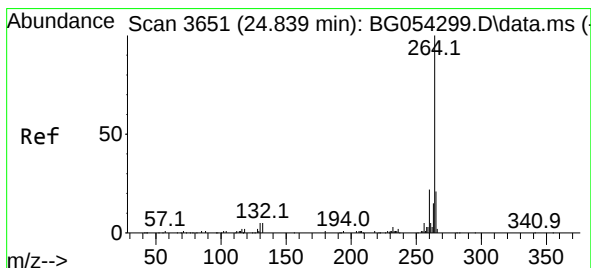
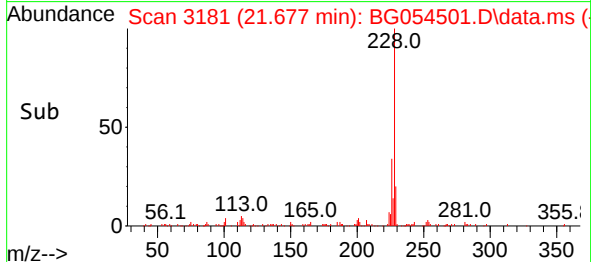
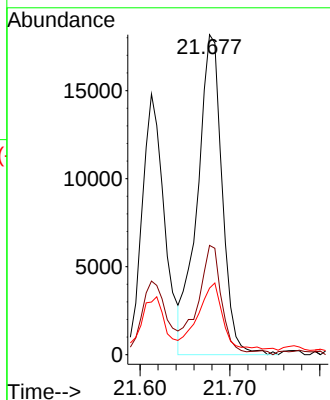
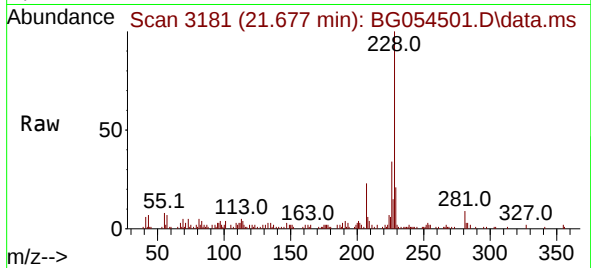




#83
Chrysene
Concen: 3.996 ng
RT: 21.677 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

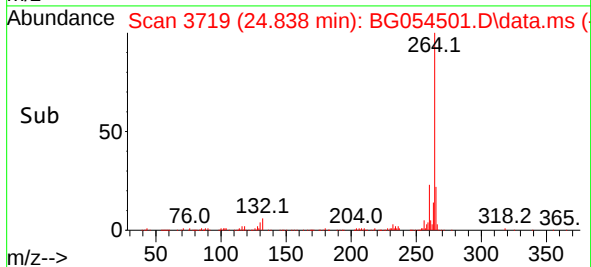
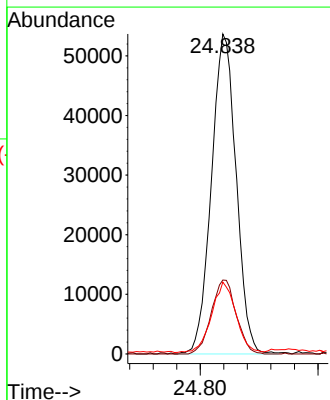
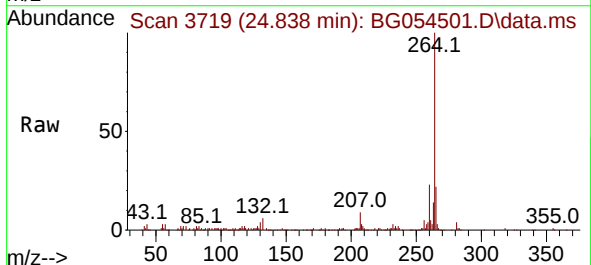
Instrument :
BNA_G
ClientSampleId :
RVE-139

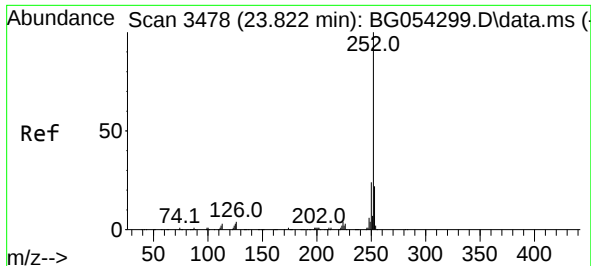
Tgt Ion:228	Resp:	34903
Ion Ratio	Lower	Upper
228	100	
226	34.1	23.4 35.2
229	20.8	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.838 min Scan# 3719
Delta R.T. 0.005 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:264	Resp:	156606
Ion Ratio	Lower	Upper
264	100	
260	23.1	19.0 28.6
265	22.4	17.4 26.2

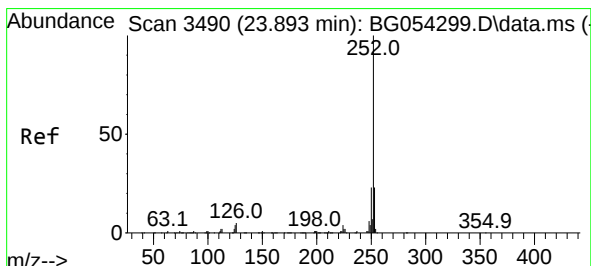
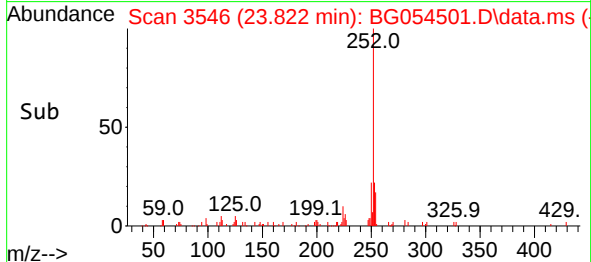
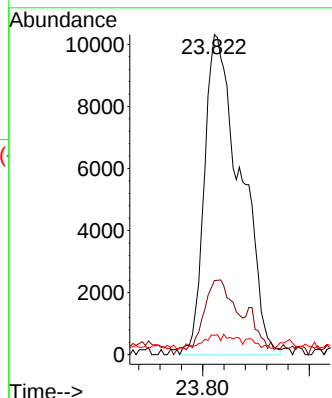
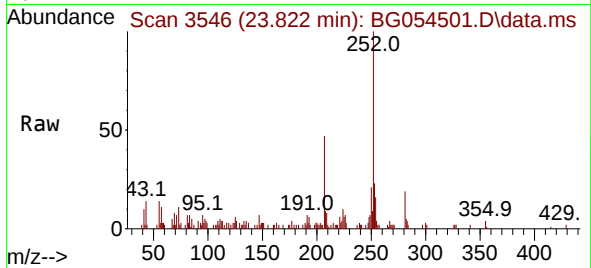




#88
Benzo(b)fluoranthene
Concen: 5.238 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

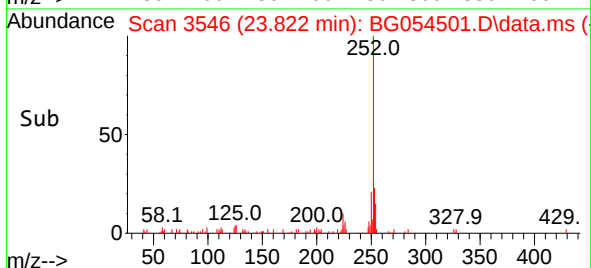
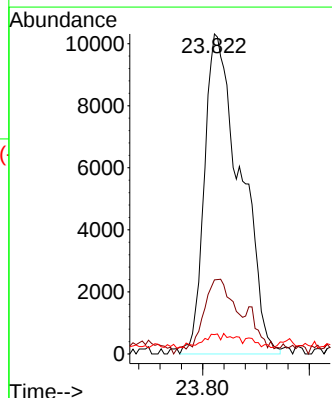
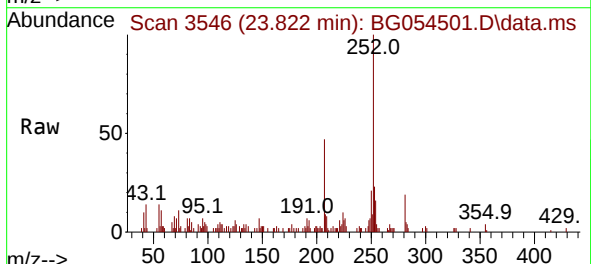
Instrument :
BNA_G
ClientSampleId :
RVE-139

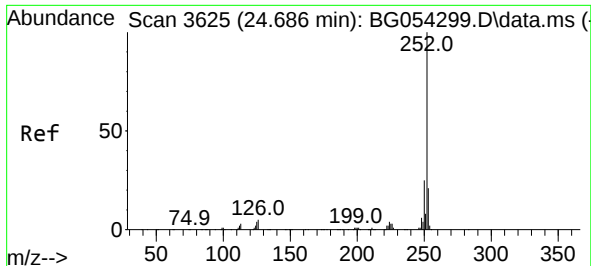
Tgt Ion:	252	Resp:	48515
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	6.0	4.6	6.8



#89
Benzo(k)fluoranthene
Concen: 5.264 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.066 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:	252	Resp:	48515
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.4	27.6
125	6.0	4.8	7.2

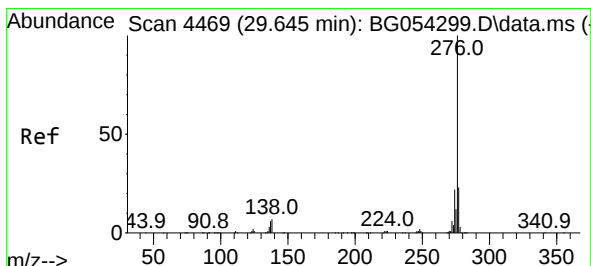
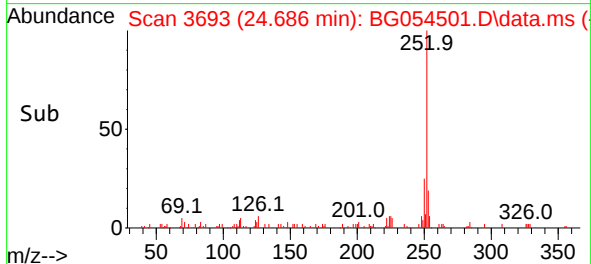
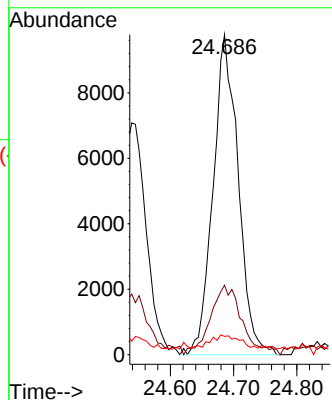
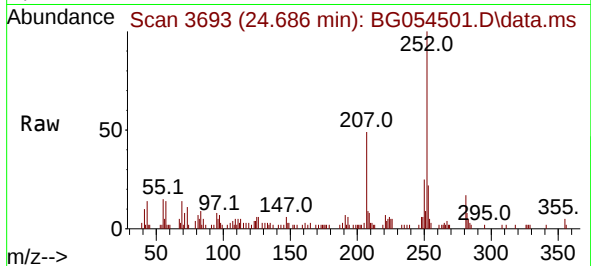




#90
Benzo(a)pyrene
Concen: 3.414 ng
RT: 24.686 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Instrument :
BNA_G
ClientSampleId :
RVE-139

Tgt Ion:252 Resp: 27002
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 5.7 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 2.346 ng
RT: 29.668 min Scan# 4541
Delta R.T. 0.005 min
Lab File: BG054501.D
Acq: 3 Aug 2022 16:00

Tgt Ion:276 Resp: 22685
Ion Ratio Lower Upper
276 100
277 26.4 17.3 25.9#
138 12.2 9.6 14.4

