

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054449.D
 Acq On : 29 Jul 2022 14:47
 Operator : CG/JU
 Sample : N3893-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-3

Quant Time: Jul 30 03:18:08 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)

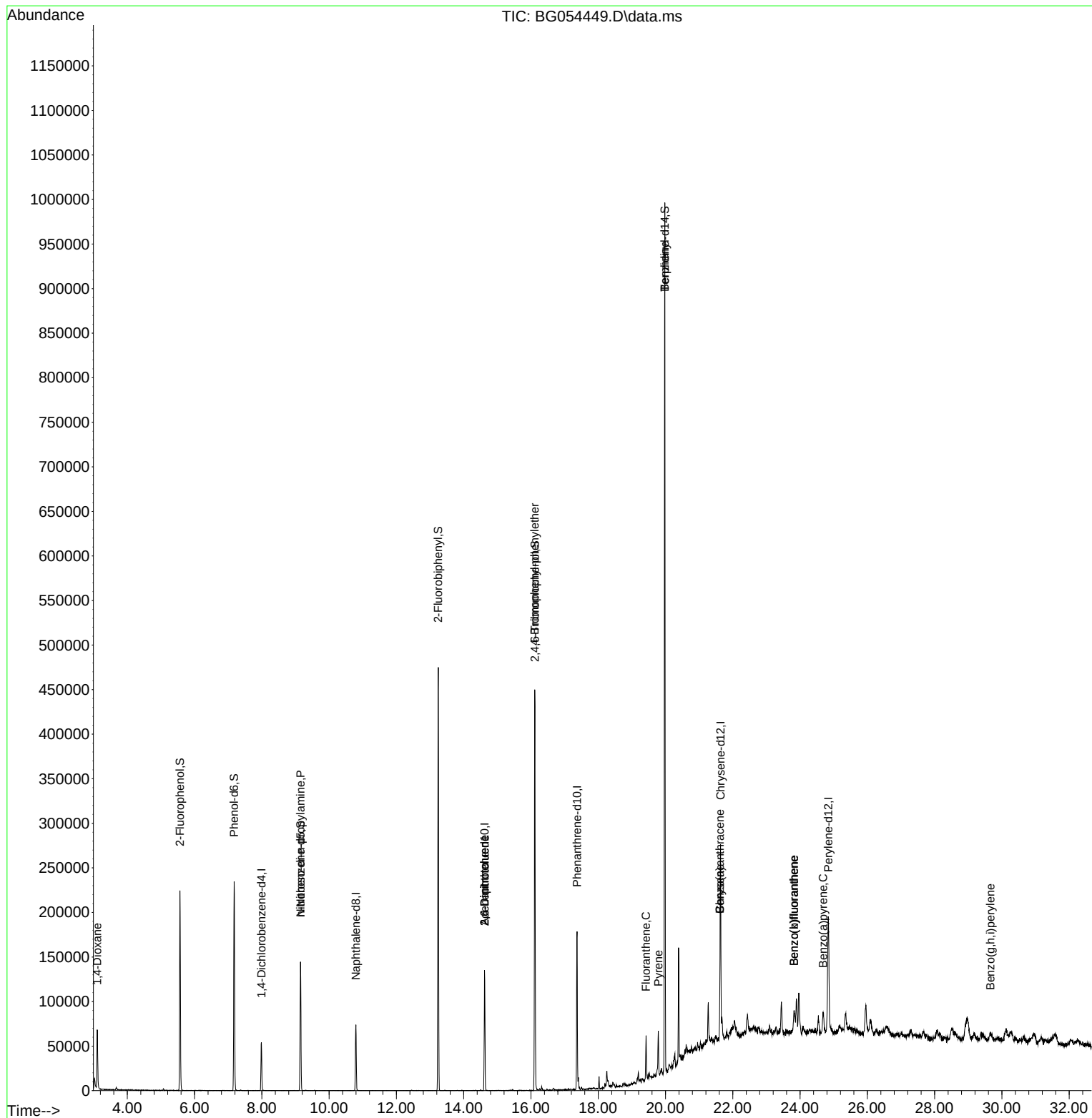
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	17079	20.000	ng	0.00
21) Naphthalene-d8	10.795	136	67634	20.000	ng	# 0.00
39) Acenaphthene-d10	14.620	164	53279	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	127323	20.000	ng	# 0.00
76) Chrysene-d12	21.635	240	142947	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	152400	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	100135	122.414	ng	0.00
7) Phenol-d6	7.176	99	135188	120.610	ng	0.00
23) Nitrobenzene-d5	9.150	82	88902	71.581	ng	0.00
42) 2,4,6-Tribromophenol	16.118	330	122837	109.807	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	276959	73.332	ng	0.00
79) Terphenyl-d14	19.979	244	556851	77.279	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	747	2.295	ng	# 1
9) Benzaldehyde	7.176	77	118	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.150	70	12614	16.853	ng	# 81
51) 2,6-Dinitrotoluene	14.620	165	7268	7.962	ng	# 16
57) 2,4-Dinitrotoluene	14.620	165	7268	5.554	ng	# 21
67) 4-Bromophenyl-phenylether	16.112	248	7296	4.080	ng	# 1
75) Fluoranthene	19.420	202	31251	3.616	ng	95
77) Benzidine	19.979	184	7582	2.929	ng	# 95
78) Pyrene	19.785	202	32580	3.972	ng	95
81) Benzo(a)anthracene	21.618	228	20226	2.229	ng	97
83) Chrysene	21.618	228	20226	2.359	ng	96
88) Benzo(b)fluoranthene	23.821	252	31937	3.544	ng	98
89) Benzo(k)fluoranthene	23.821	252	31937	3.561	ng	99
90) Benzo(a)pyrene	24.685	252	24492	3.182	ng	96
92) Benzo(g,h,i)perylene	29.661	276	21298	2.264	ng	# 93

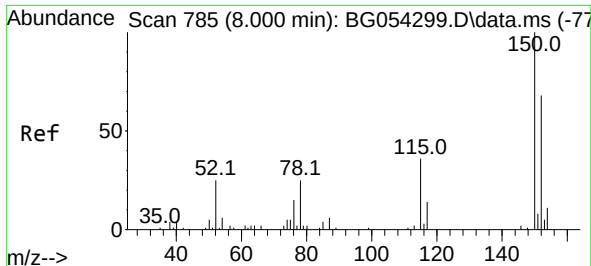
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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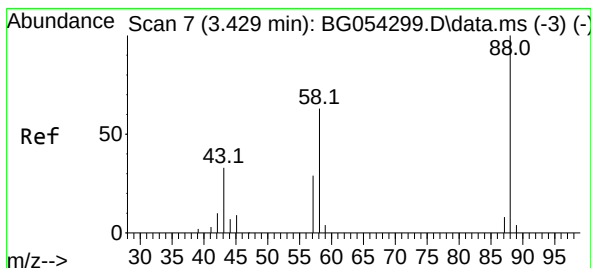
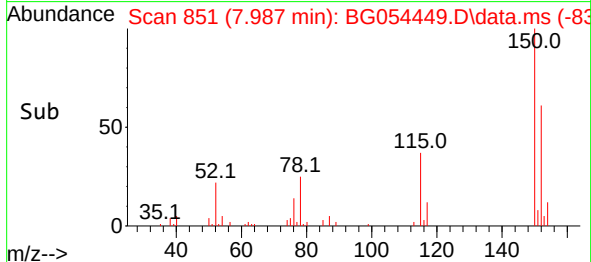
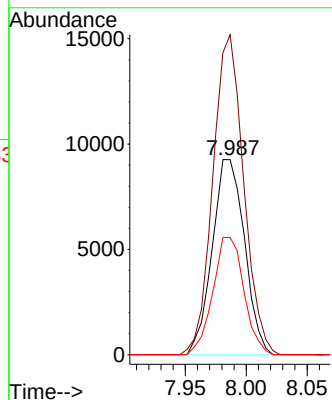
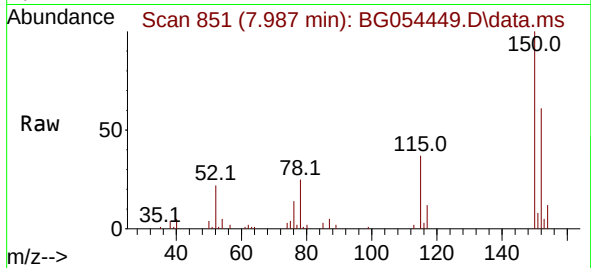




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.987 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG054449.D
 Acq: 29 Jul 2022 14:47

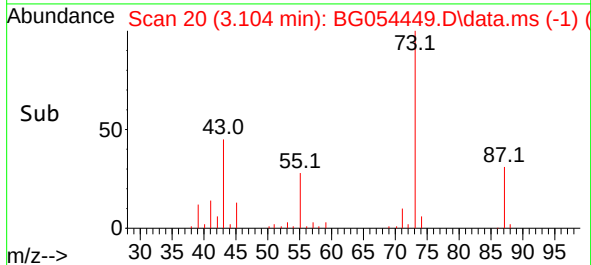
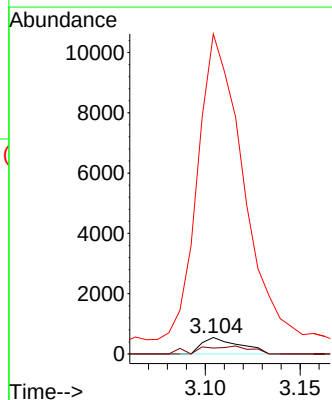
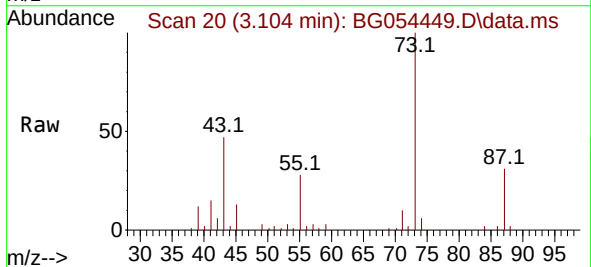
Instrument :
 BNA_G
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 RVE-3

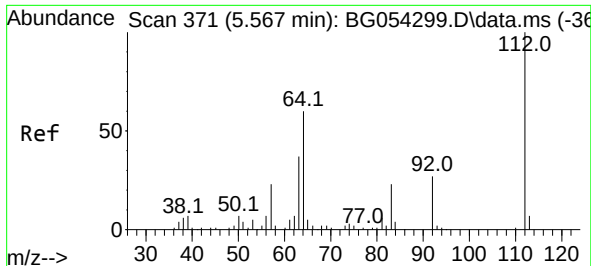
Tgt Ion:152 Resp: 17079
 Ion Ratio Lower Upper
 152 100
 150 164.1 131.6 197.4
 115 60.1 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.295 ng
 RT: 3.104 min Scan# 20
 Delta R.T. -0.313 min
 Lab File: BG054449.D
 Acq: 29 Jul 2022 14:47

Tgt Ion: 88 Resp: 747
 Ion Ratio Lower Upper
 88 100
 58 66.7 59.2 88.8
 43 2525.6 24.3 36.5#

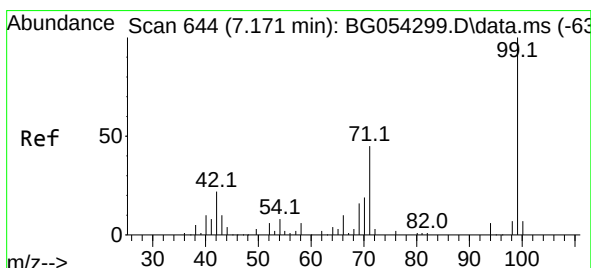
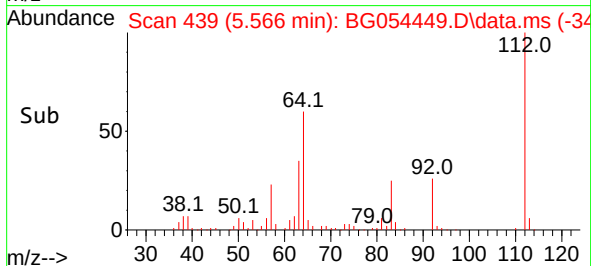
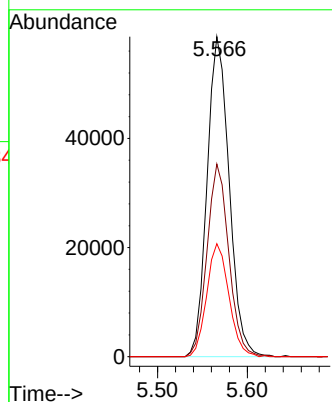
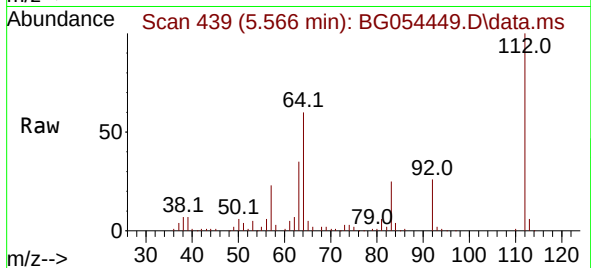




#5
2-Fluorophenol
Concen: 122.414 ng
RT: 5.566 min Scan# 41
Delta R.T. 0.004 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

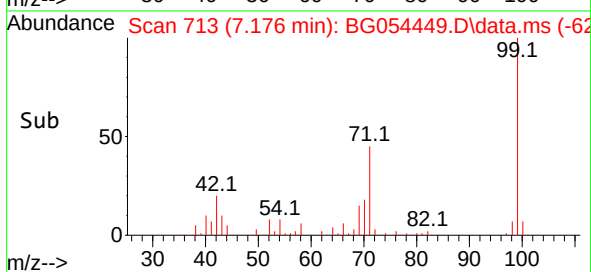
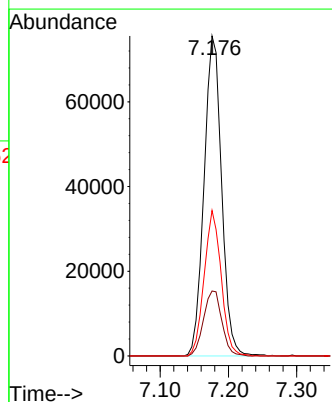
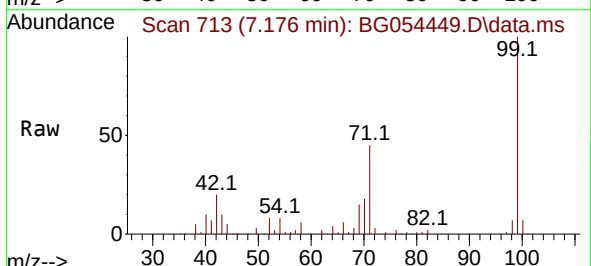
Instrument :
BNA_G
ClientSampleId :
RVE-3

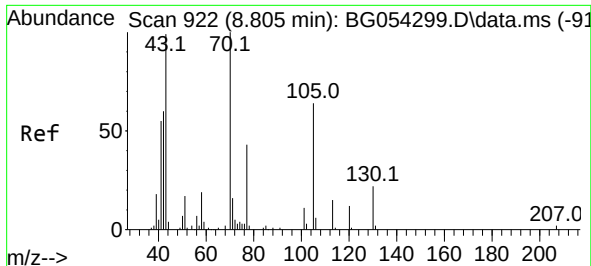
Tgt Ion:112 Resp: 100135
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 35.3 30.4 45.6



#7
Phenol-d6
Concen: 120.610 ng
RT: 7.176 min Scan# 713
Delta R.T. 0.004 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion: 99 Resp: 135188
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 45.4 33.8 50.8

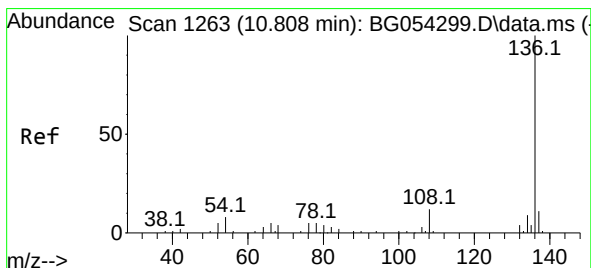
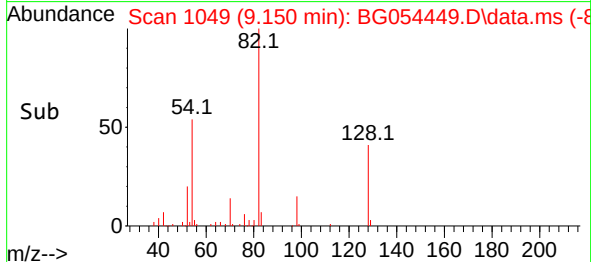
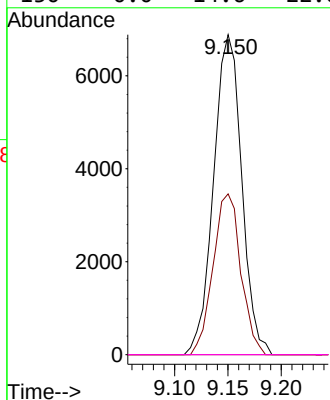
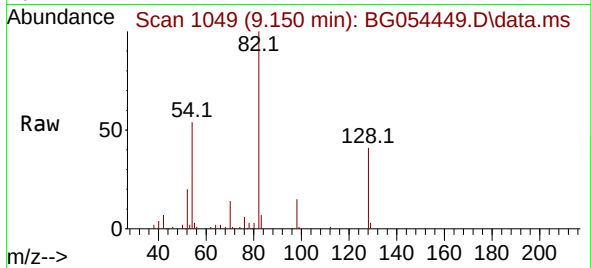




#19
n-Nitroso-di-n-propylamine
Concen: 16.853 ng
RT: 9.150 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

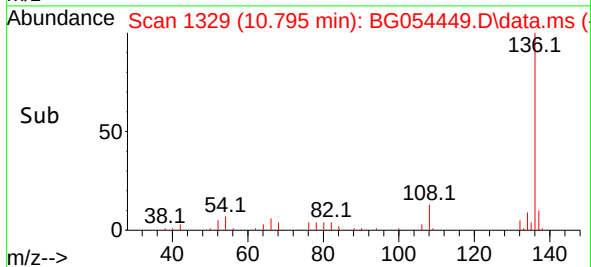
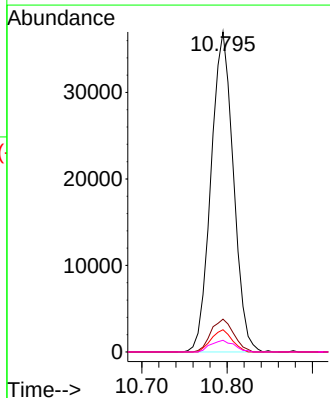
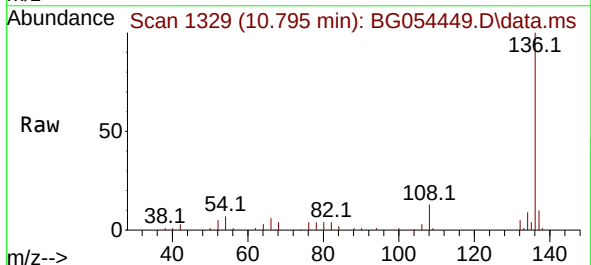
Instrument :
BNA_G
ClientSampleId :
RVE-3

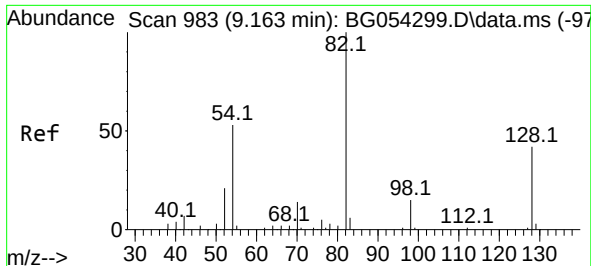
Tgt Ion: 70	Resp: 12614
Ion Ratio	Lower Upper
70 100	
42 50.2	47.3 70.9
101 0.0	7.0 10.4#
130 0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.795 min Scan# 1329
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion: 136	Resp: 67634
Ion Ratio	Lower Upper
136 100	
137 10.3	8.5 12.7
54 7.0	7.4 11.2#
68 3.6	4.9 7.3#

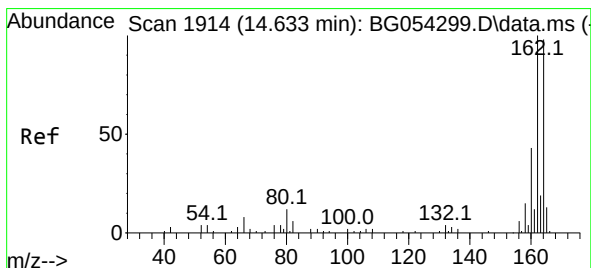
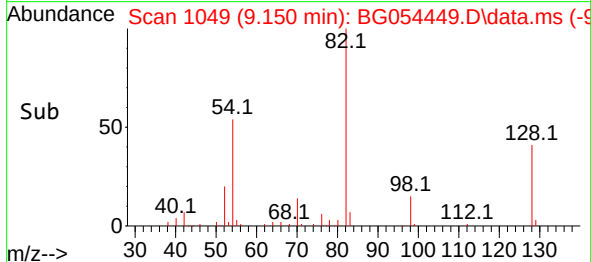
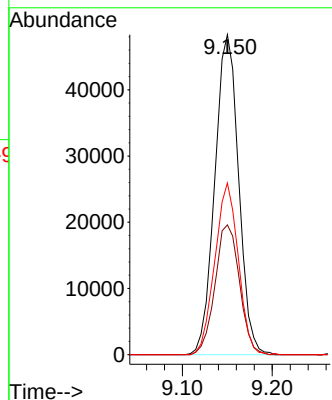
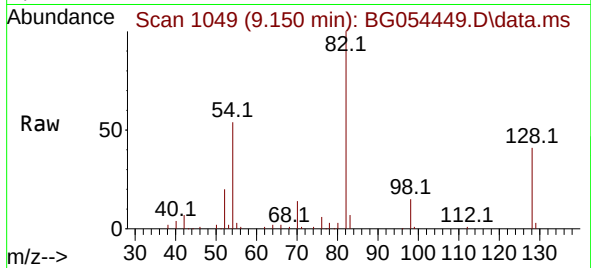




#23
Nitrobenzene-d5
Concen: 71.581 ng
RT: 9.150 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

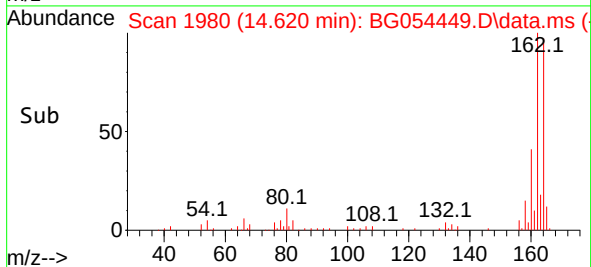
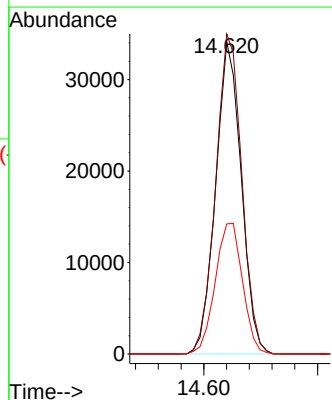
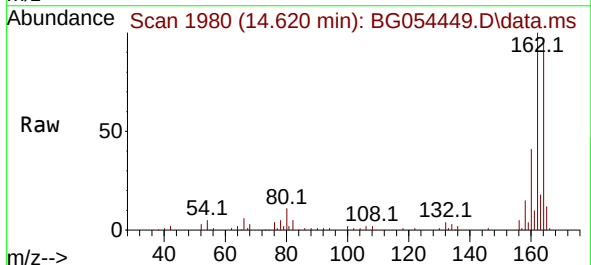
Instrument :
BNA_G
ClientSampleId :
RVE-3

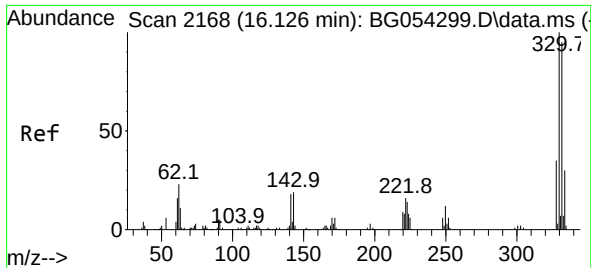
Tgt Ion: 82 Resp: 88902
Ion Ratio Lower Upper
82 100
128 40.6 27.9 41.9
54 53.6 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.620 min Scan# 1980
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion: 164 Resp: 53279
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 41.7 34.2 51.2

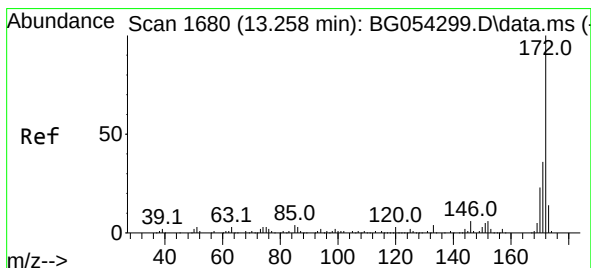
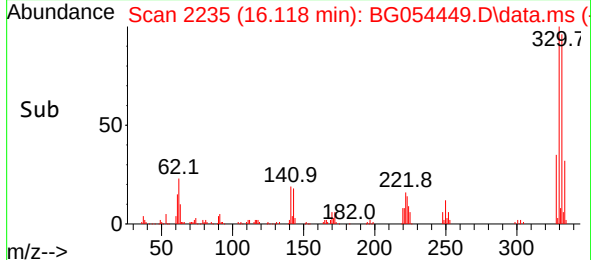
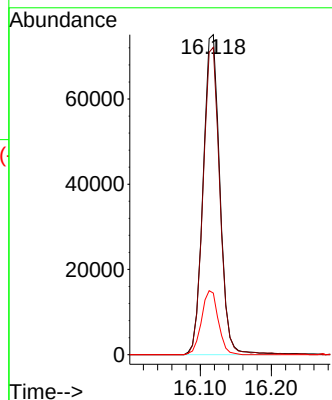
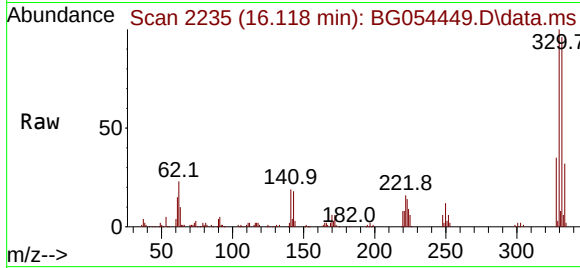




#42
2,4,6-Tribromophenol
Concen: 109.807 ng
RT: 16.118 min Scan# 2168
Delta R.T. 0.004 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

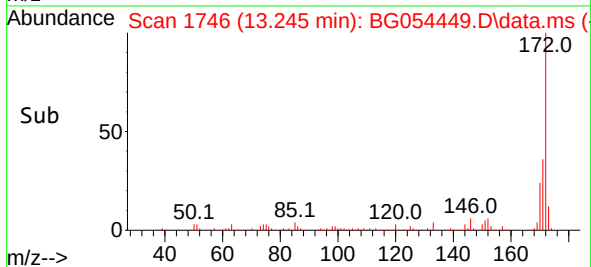
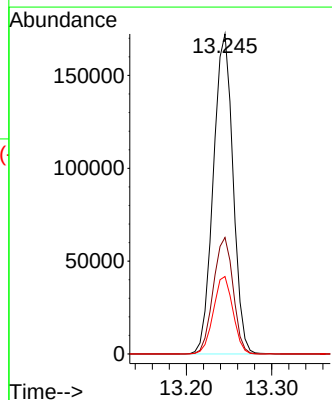
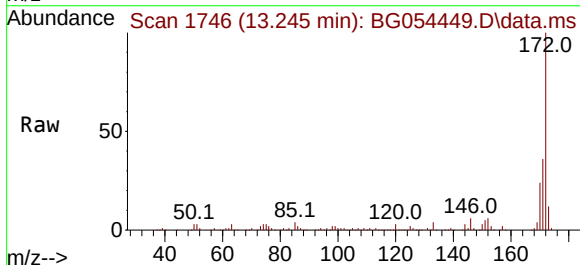
Instrument :
BNA_G
ClientSampleId :
RVE-3

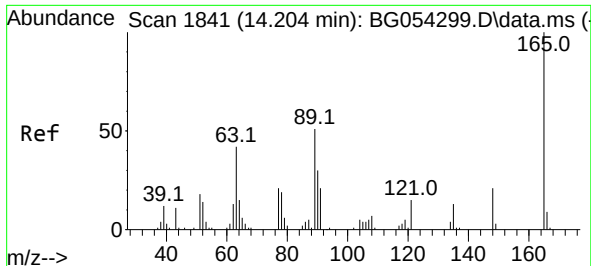
Tgt Ion:330 Resp: 122837
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 20.0 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 73.332 ng
RT: 13.245 min Scan# 1746
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:172 Resp: 276959
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.2 18.9 28.3

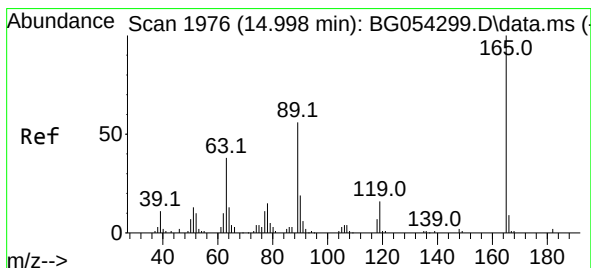
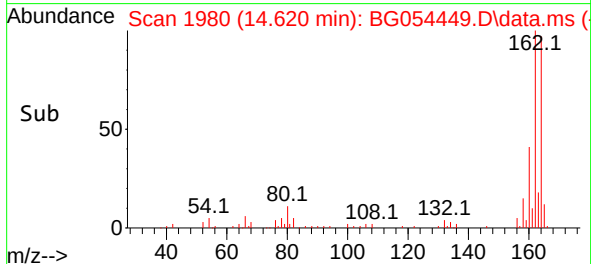
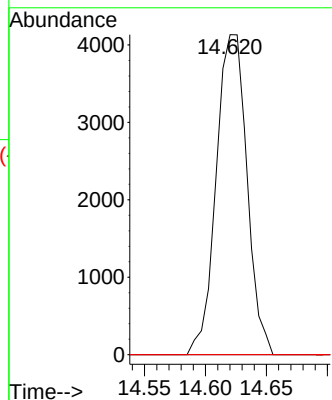
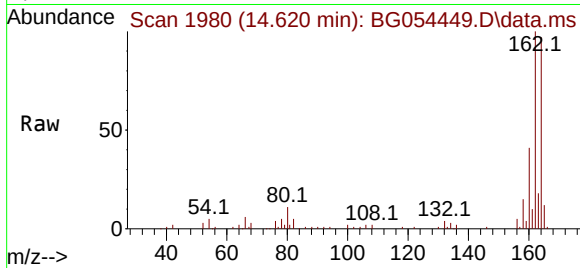




#51
2,6-Dinitrotoluene
Concen: 7.962 ng
RT: 14.620 min Scan# 1980
Delta R.T. 0.421 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

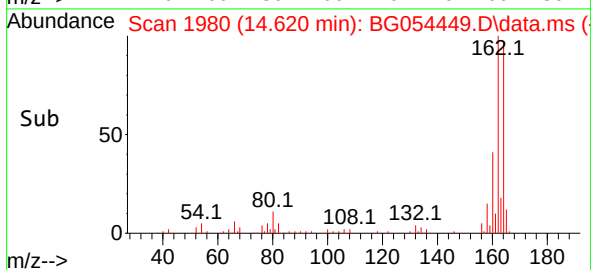
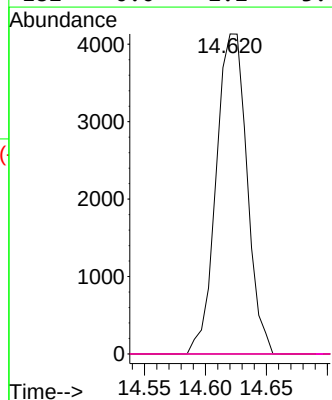
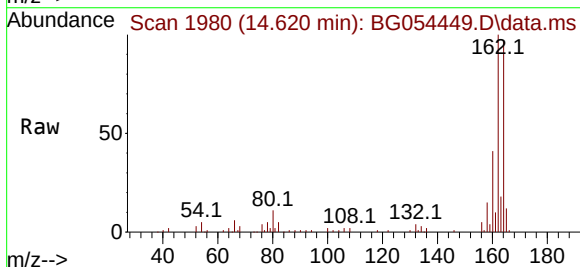
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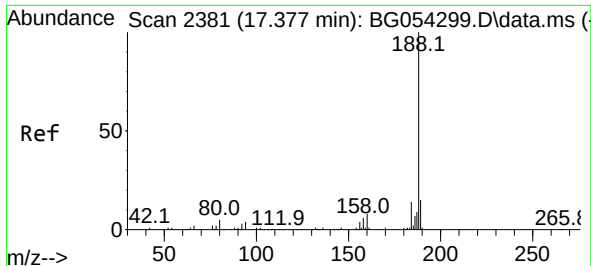
Tgt Ion:165 Resp: 7268
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.554 ng
RT: 14.620 min Scan# 1980
Delta R.T. -0.372 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:165 Resp: 7268
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#

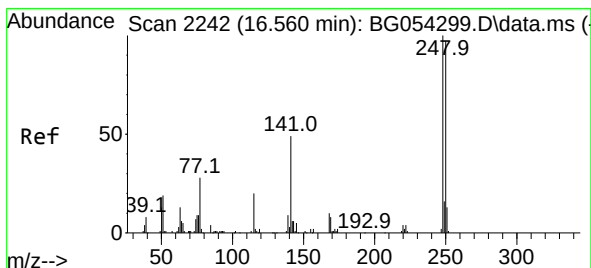
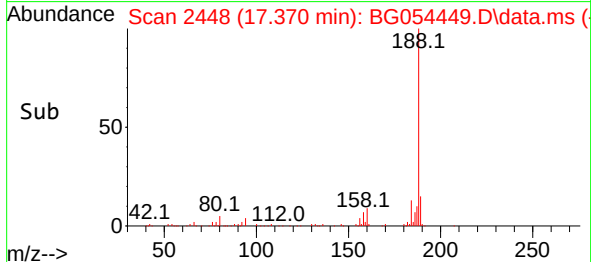
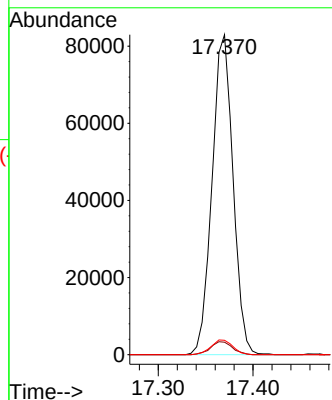
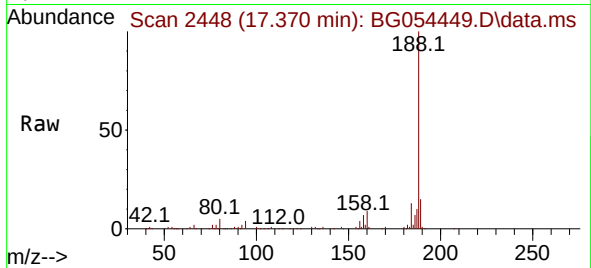




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

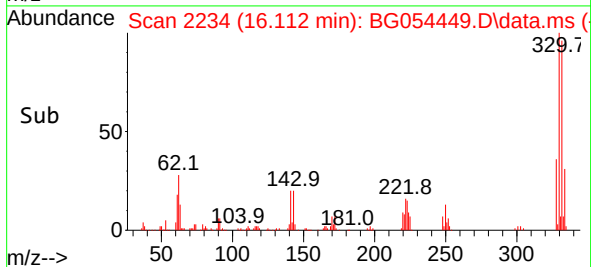
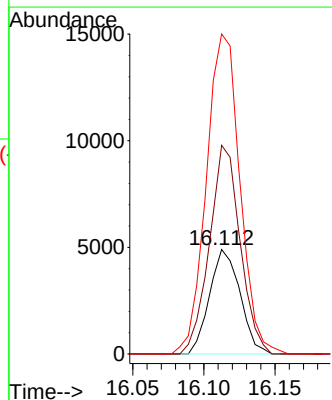
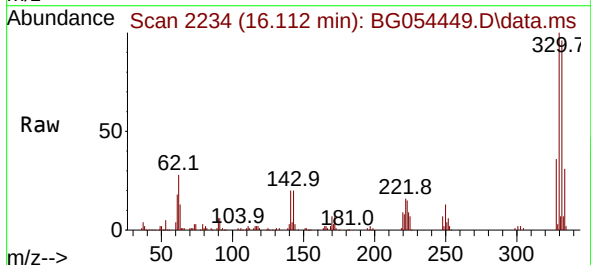
Instrument :
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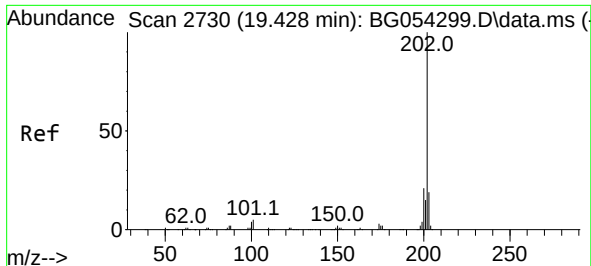
Tgt Ion:188 Resp: 127323
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.5 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.080 ng
RT: 16.112 min Scan# 2234
Delta R.T. -0.442 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:248 Resp: 7296
Ion Ratio Lower Upper
248 100
250 198.4 75.2 112.8#
141 234.5 50.0 75.0#

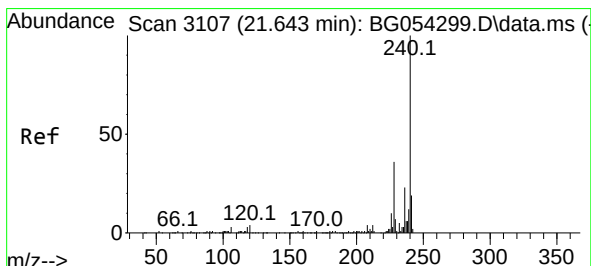
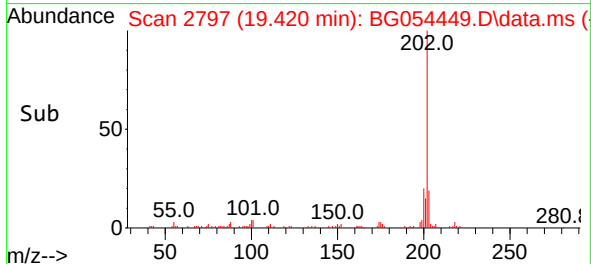
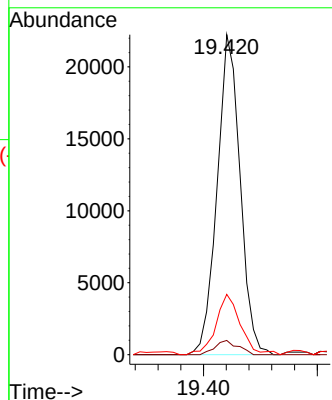
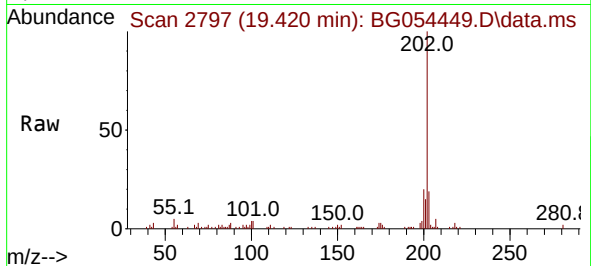




#75
Fluoranthene
Concen: 3.616 ng
RT: 19.420 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

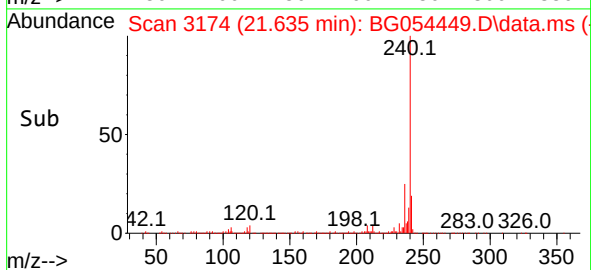
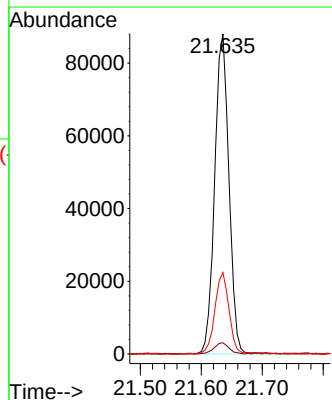
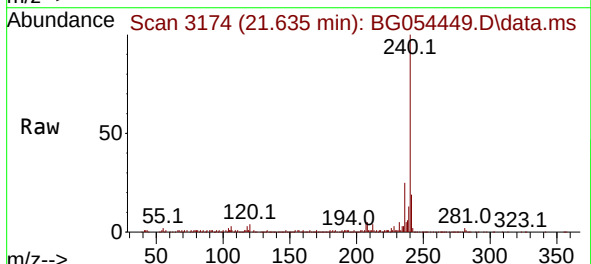
Instrument :
BNA_G
ClientSampleId :
RVE-3

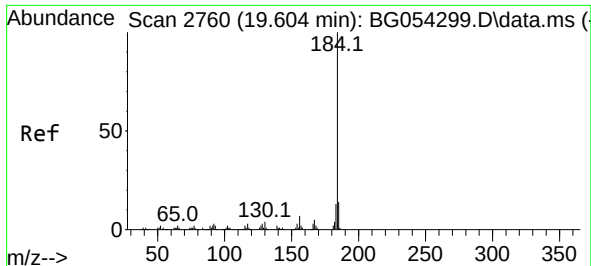
Tgt Ion:202 Resp: 31251
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.635 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:240 Resp: 142947
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.5 20.2 30.4

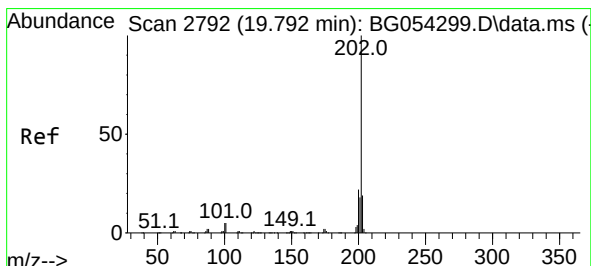
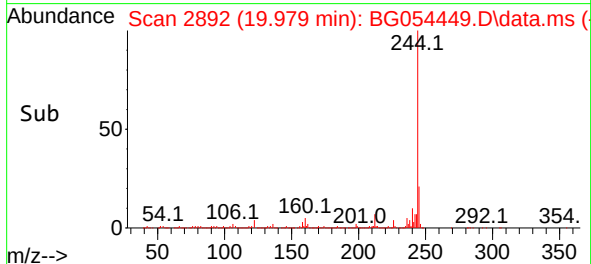
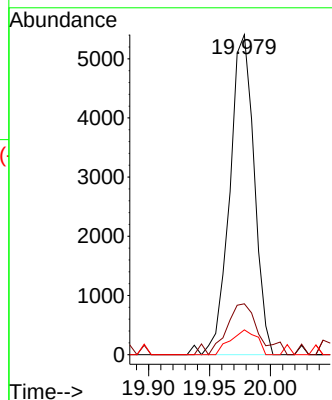
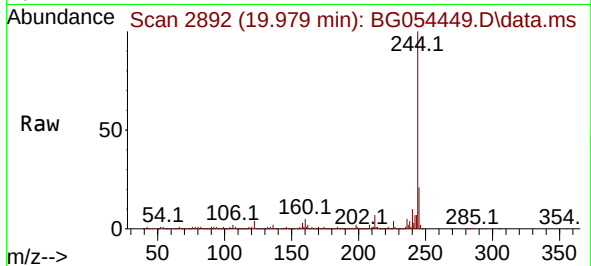




#77
Benzidine
Concen: 2.929 ng
RT: 19.979 min Scan# 2892
Delta R.T. 0.380 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

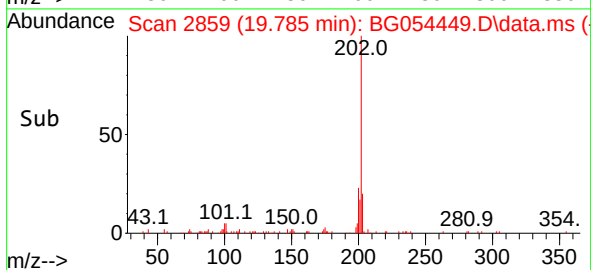
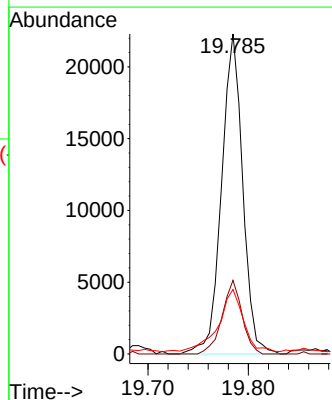
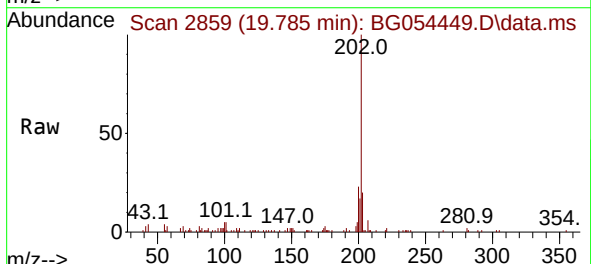
Instrument :
BNA_G
ClientSampleId :
RVE-3

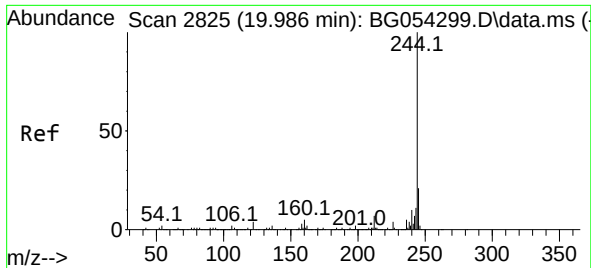
Tgt Ion:184 Resp: 7582
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 7.8 8.9 13.3#



#78
Pyrene
Concen: 3.972 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:202 Resp: 32580
Ion Ratio Lower Upper
202 100
200 23.0 16.6 24.8
203 20.1 14.6 21.8

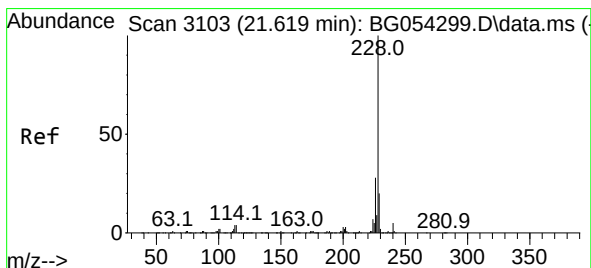
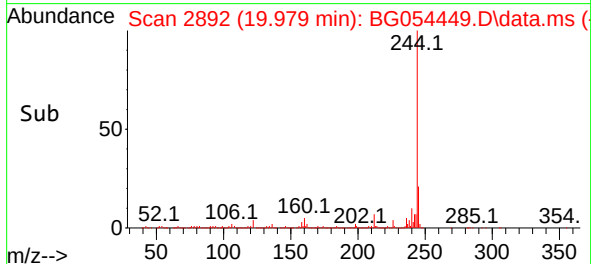
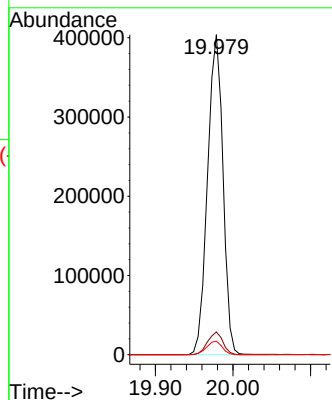
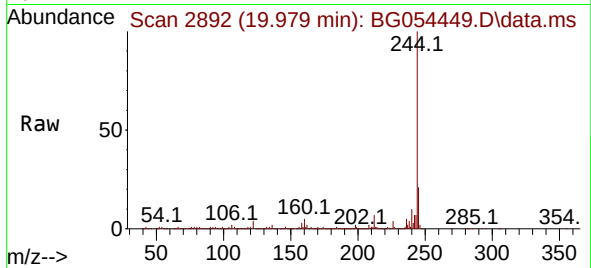




#79
 Terphenyl-d14
 Concen: 77.279 ng
 RT: 19.979 min Scan# 2892
 Delta R.T. -0.002 min
 Lab File: BG054449.D
 Acq: 29 Jul 2022 14:47

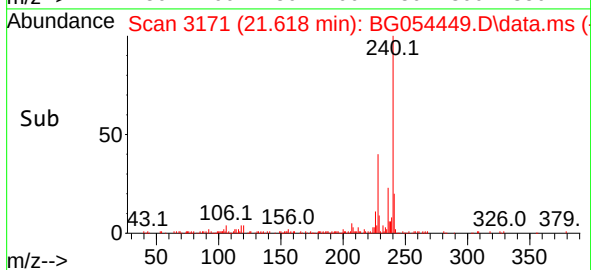
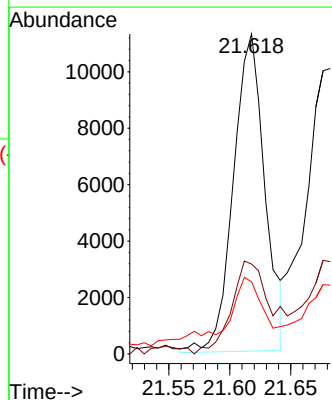
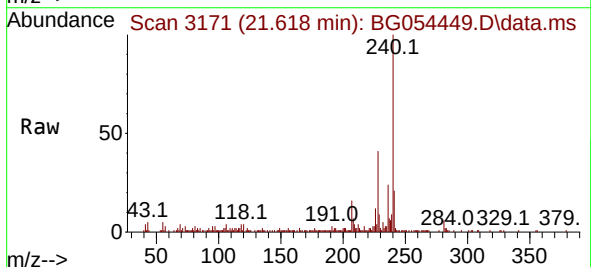
Instrument :
 BNA_G
 ClientSampleId :
 RVE-3

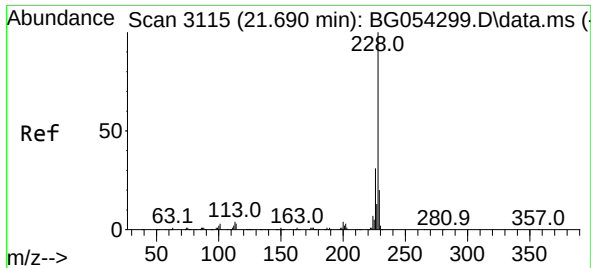
Tgt Ion:244 Resp: 556851
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.229 ng
 RT: 21.618 min Scan# 3171
 Delta R.T. 0.004 min
 Lab File: BG054449.D
 Acq: 29 Jul 2022 14:47

Tgt Ion:228 Resp: 20226
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 22.5 16.2 24.2

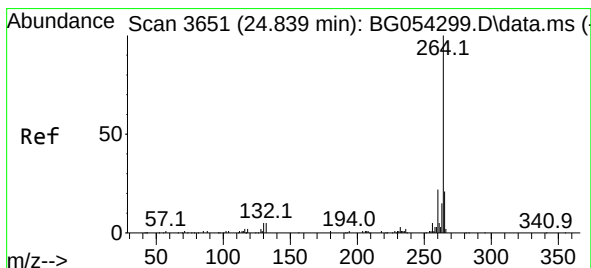
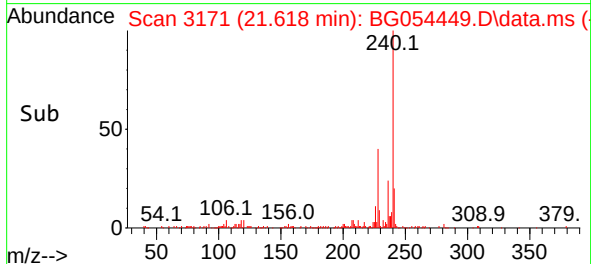
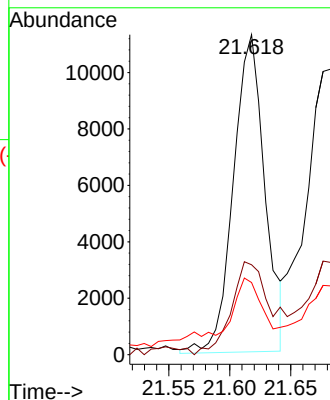
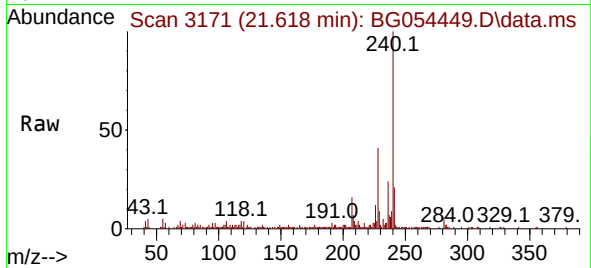




#83
Chrysene
Concen: 2.359 ng
RT: 21.618 min Scan# 3115
Delta R.T. -0.066 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

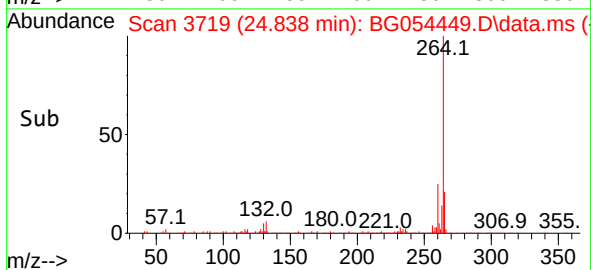
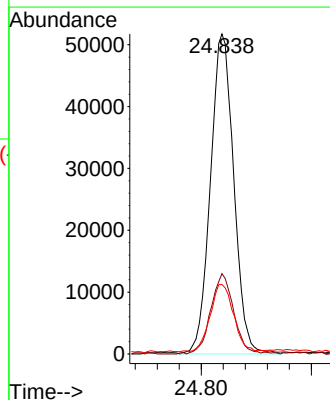
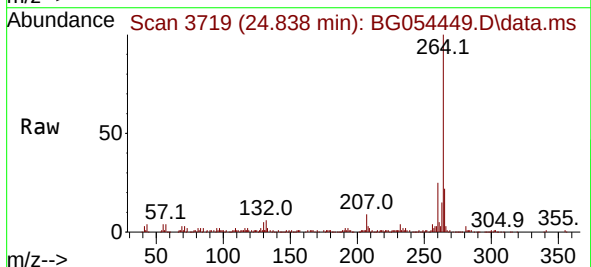
Instrument :
BNA_G
ClientSampleId :
RVE-3

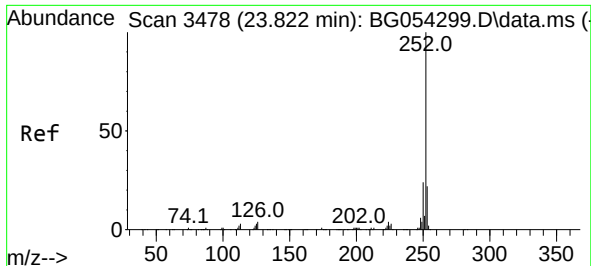
Tgt Ion:228	Resp:	20226
Ion Ratio	Lower	Upper
228	100	
226	28.1	23.4 35.2
229	22.5	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.838 min Scan# 3719
Delta R.T. 0.004 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:264	Resp:	152400
Ion Ratio	Lower	Upper
264	100	
260	25.1	19.0 28.6
265	21.7	17.4 26.2

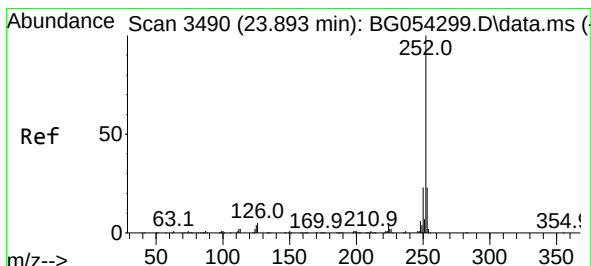
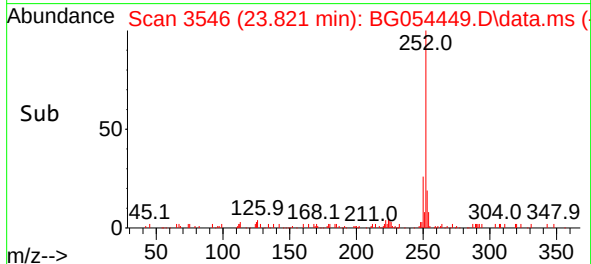
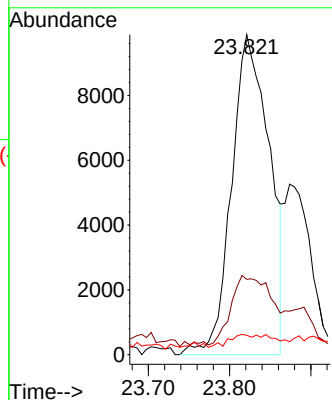
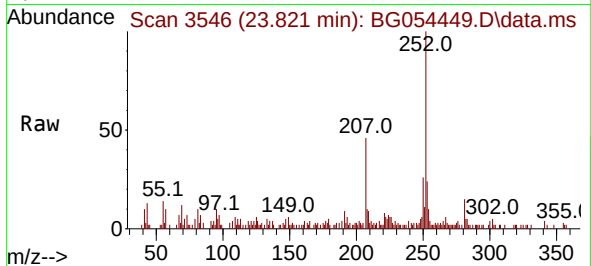




#88
Benzo(b)fluoranthene
Concen: 3.544 ng
RT: 23.821 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

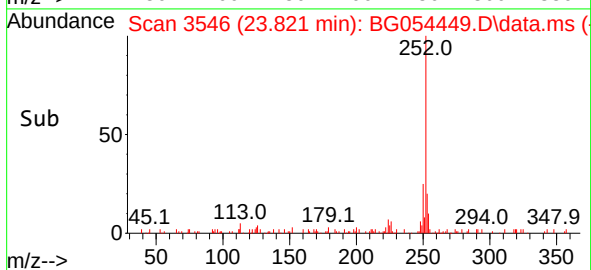
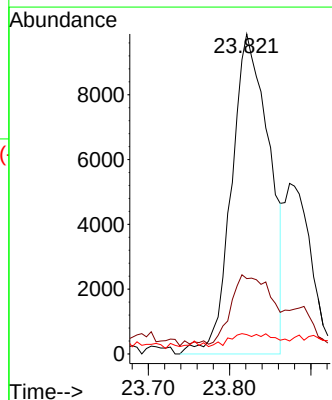
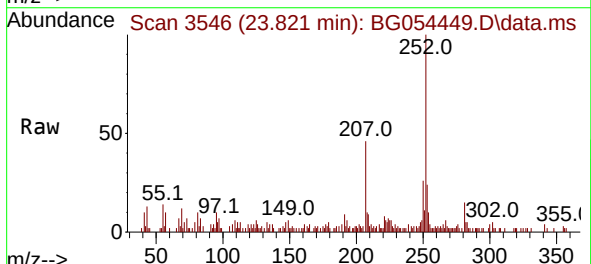
Instrument :
BNA_G
ClientSampleId :
RVE-3

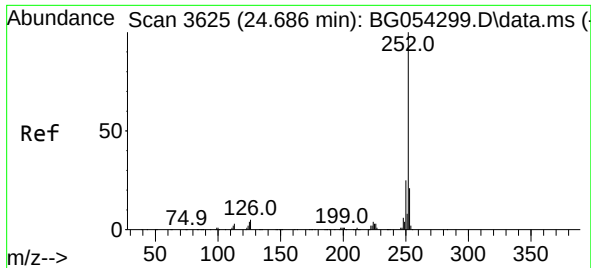
Tgt Ion:252 Resp: 31937
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 6.1 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 23.821 min Scan# 3546
Delta R.T. -0.066 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:252 Resp: 31937
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 6.1 4.8 7.2

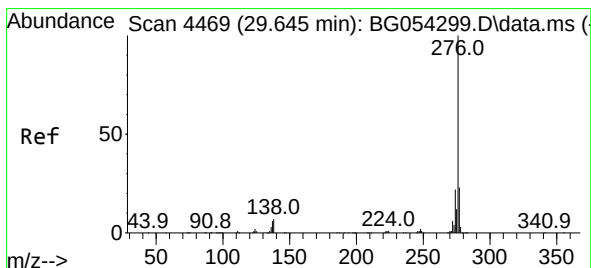
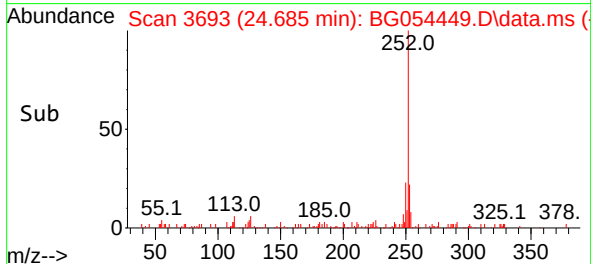
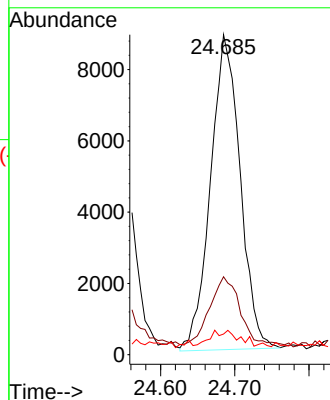
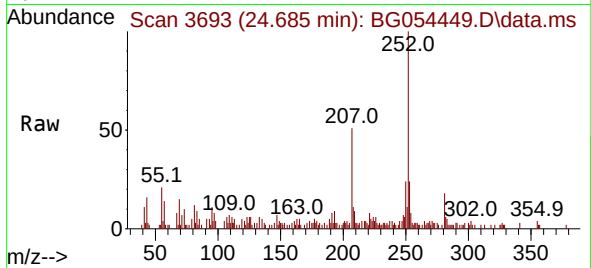




#90
Benzo(a)pyrene
Concen: 3.182 ng
RT: 24.685 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Instrument :
BNA_G
ClientSampleId :
RVE-3

Tgt Ion:	252	Resp:	24492
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.8	26.8
125	6.5	4.3	6.5



#92
Benzo(g,h,i)perylene
Concen: 2.264 ng
RT: 29.661 min Scan# 4540
Delta R.T. -0.002 min
Lab File: BG054449.D
Acq: 29 Jul 2022 14:47

Tgt Ion:	276	Resp:	21298
Ion Ratio	Lower	Upper	
276	100		
277	22.9	17.3	25.9
138	6.0	9.6	14.4

