

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054433.D
 Acq On : 28 Jul 2022 15:44
 Operator : CG/JU
 Sample : N3893-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-12

Quant Time: Jul 29 04:08:54 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)

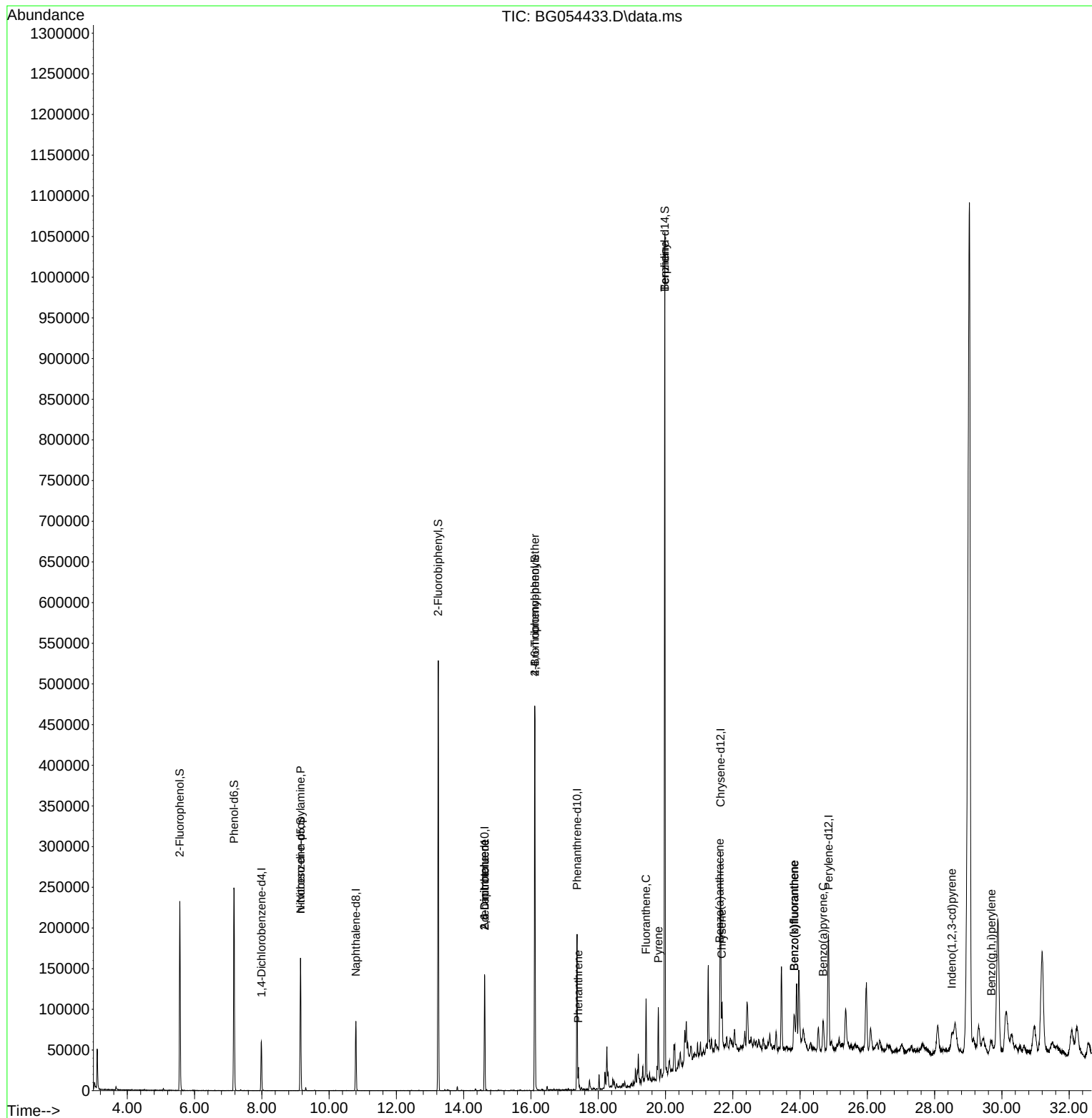
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	19542	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	76414	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	57381	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	139827	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	152938	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	163652	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	105561	112.782	ng	0.00
7) Phenol-d6	7.171	99	144069	112.333	ng	0.00
23) Nitrobenzene-d5	9.151	82	98944	70.513	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	130712	108.494	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	305557	75.120	ng	0.00
79) Terphenyl-d14	19.979	244	587063	76.150	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.171	77	317	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.151	70	14281	16.675	ng	# 78
51) 2,6-Dinitrotoluene	14.621	165	8183	8.324	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	8183	5.806	ng	# 21
67) 4-Bromophenyl-phenylether	16.119	248	7817	3.981	ng	# 1
71) Phenanthrene	17.412	178	19709	2.830	ng	100
75) Fluoranthene	19.421	202	52947	5.578	ng	94
77) Benzidine	19.979	184	7723	2.788	ng	# 92
78) Pyrene	19.785	202	60760	6.924	ng	98
81) Benzo(a)anthracene	21.613	228	36160	3.725	ng	96
83) Chrysene	21.677	228	44359	4.836	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.510	276	32763	2.632	ng	# 96
88) Benzo(b)fluoranthene	23.828	252	83176	8.594	ng	# 97
89) Benzo(k)fluoranthene	23.828	252	83176	8.635	ng	# 96
90) Benzo(a)pyrene	24.686	252	44423	5.375	ng	99
92) Benzo(g,h,i)perylene	29.686	276	37218	3.684	ng	94

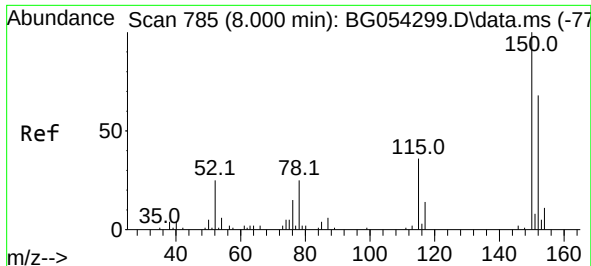
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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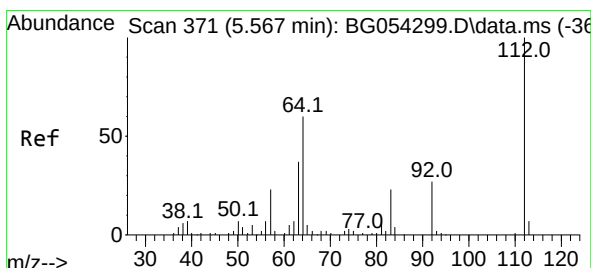
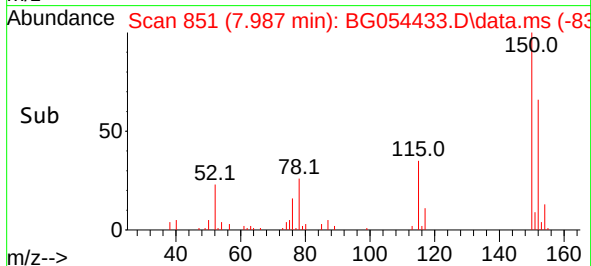
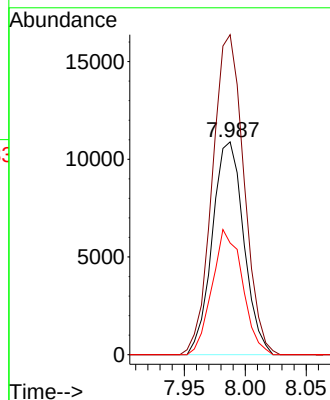
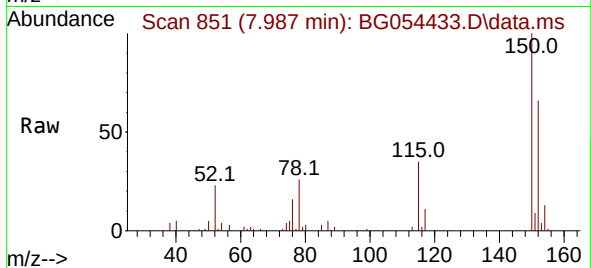




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

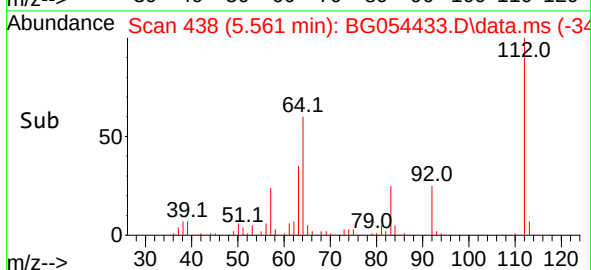
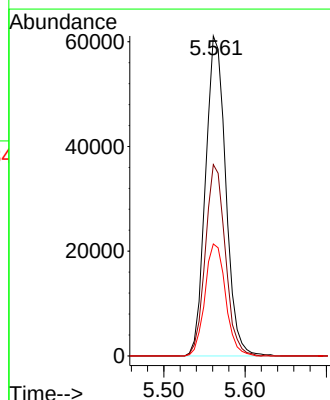
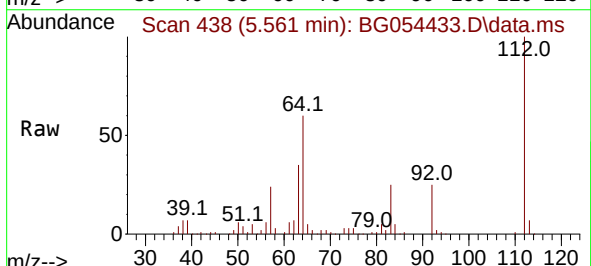
Instrument :
BNA_G
ClientSampleId :
RVE-12

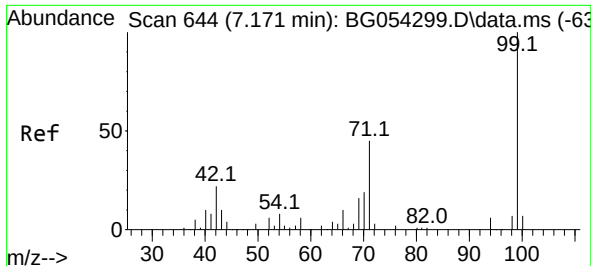
Tgt Ion:152 Resp: 19542
Ion Ratio Lower Upper
152 100
150 150.4 131.6 197.4
115 52.5 50.9 76.3



#5
2-Fluorophenol
Concen: 112.782 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:112 Resp: 105561
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.0 30.4 45.6

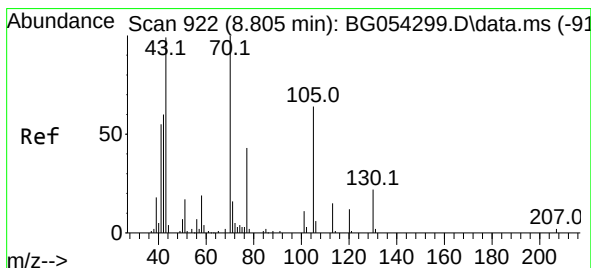
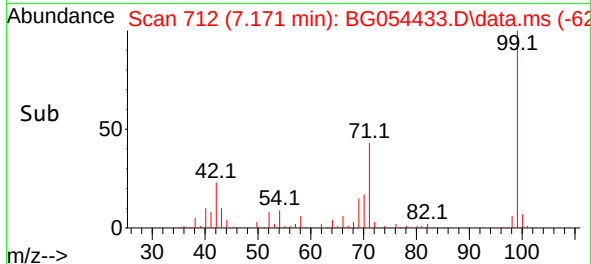
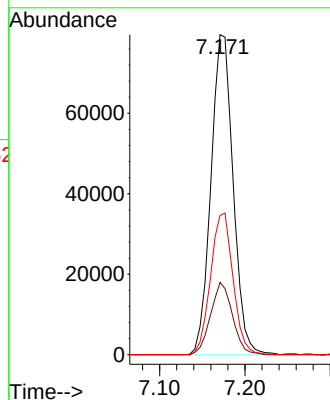
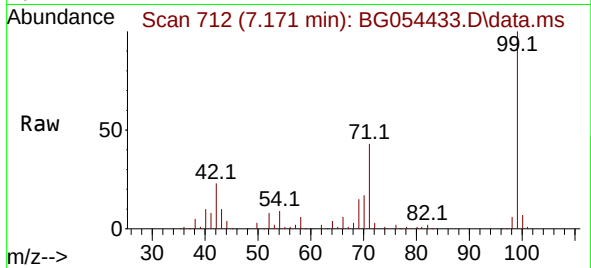




#7
Phenol-d6
Concen: 112.333 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

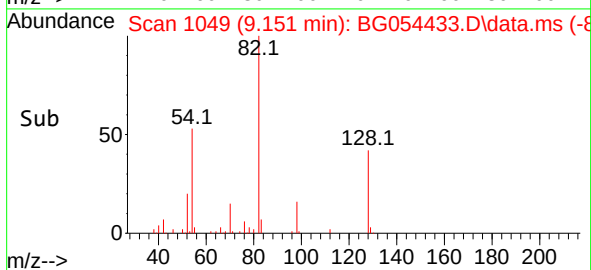
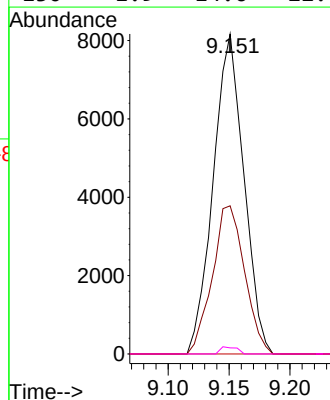
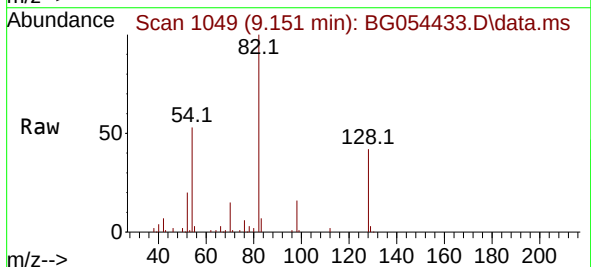
Instrument :
BNA_G
ClientSampleId :
RVE-12

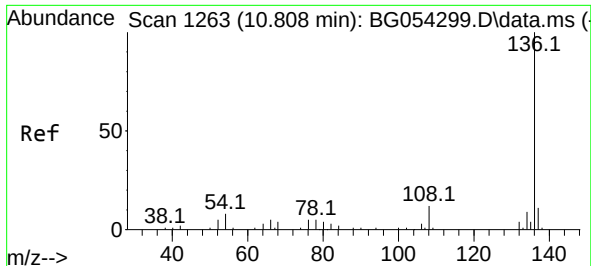
Tgt Ion: 99 Resp: 144069
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.675 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion: 70 Resp: 14281
Ion Ratio Lower Upper
70 100
42 46.3 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

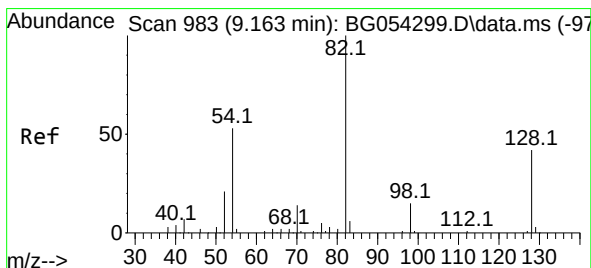
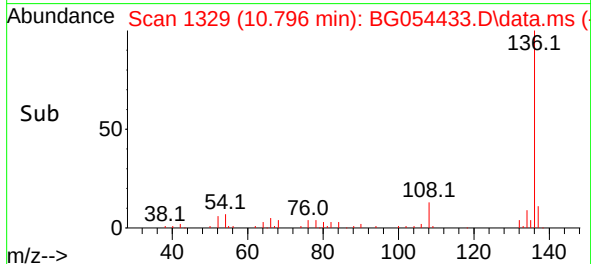
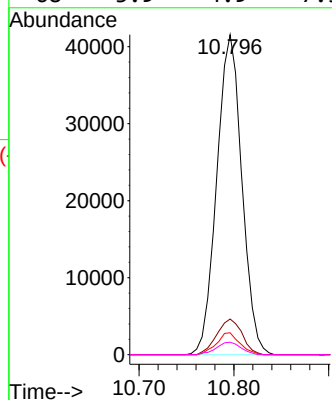
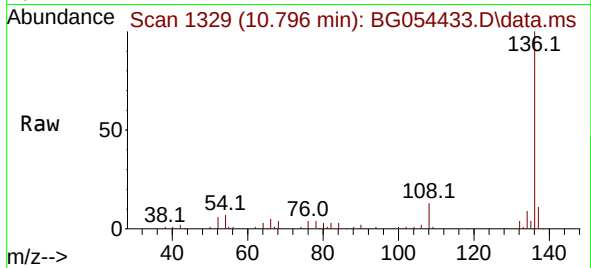




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

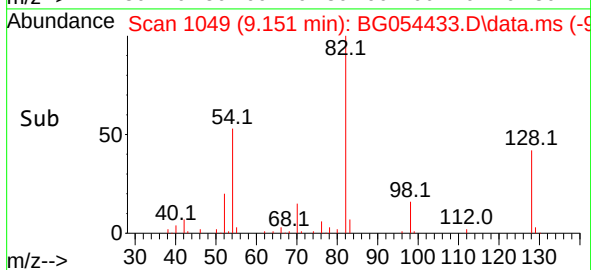
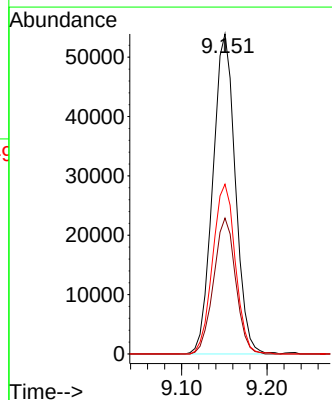
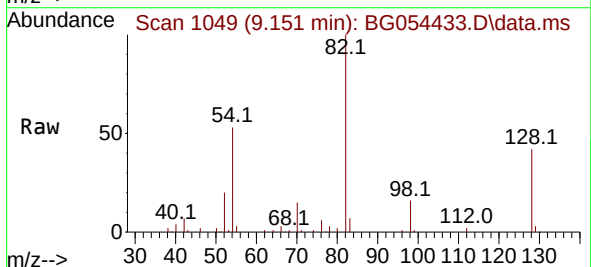
Instrument :
BNA_G
ClientSampleId :
RVE-12

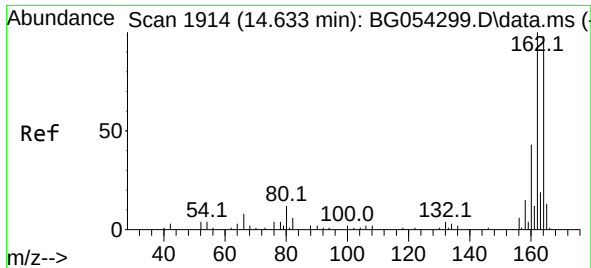
Tgt Ion:	136	Resp:	76414
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	6.9	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 70.513 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:	82	Resp:	98944
Ion Ratio	Lower	Upper	
82	100		
128	42.4	27.9	41.9#
54	53.1	41.2	61.8

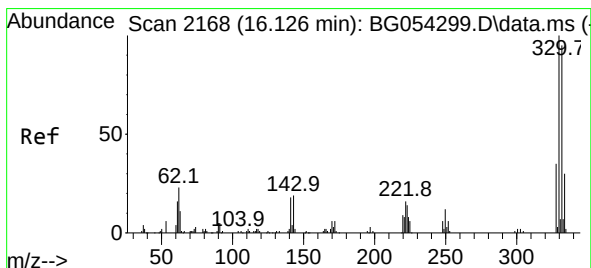
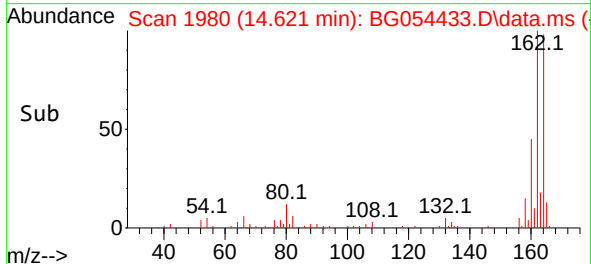
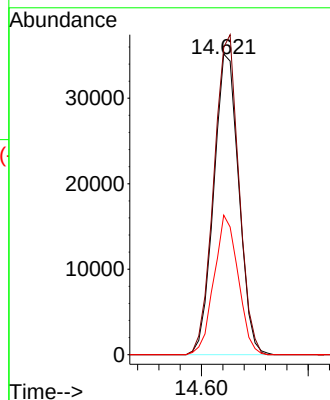
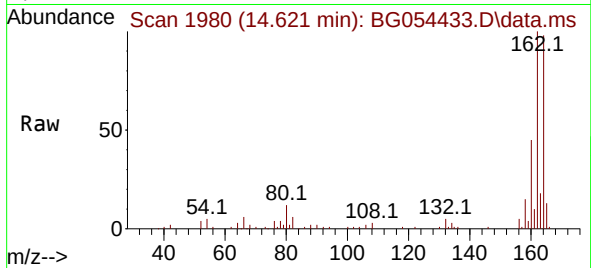




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.621 min Scan# 1914
 Delta R.T. -0.001 min
 Lab File: BG054433.D
 Acq: 28 Jul 2022 15:44

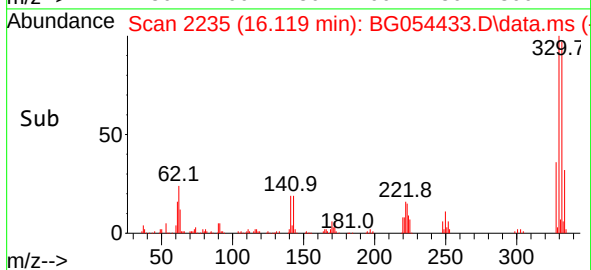
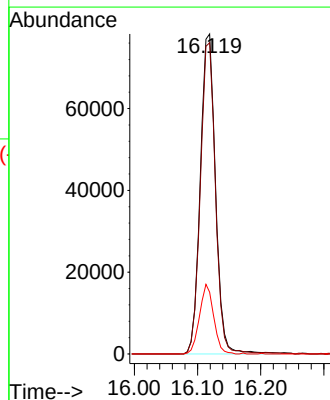
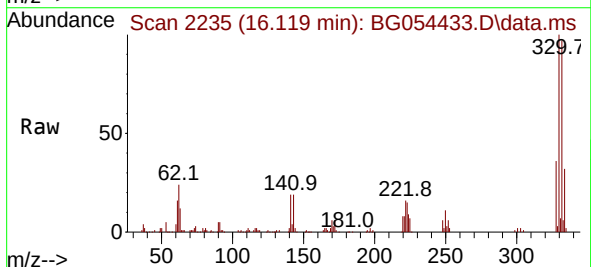
Instrument :
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 ClientSampleId :
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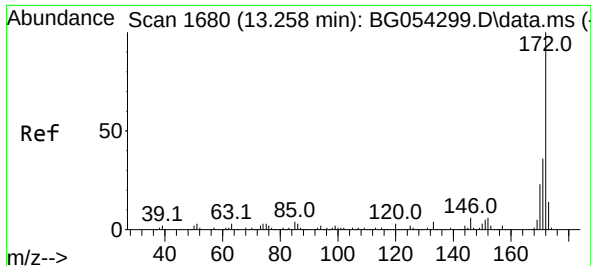
Tgt Ion:164 Resp: 57381
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.3 123.5
 160 46.4 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 108.494 ng
 RT: 16.119 min Scan# 2235
 Delta R.T. 0.005 min
 Lab File: BG054433.D
 Acq: 28 Jul 2022 15:44

Tgt Ion:330 Resp: 130712
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.0 114.0
 141 20.2 27.1 40.7#

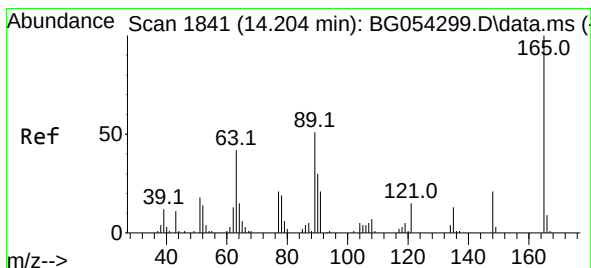
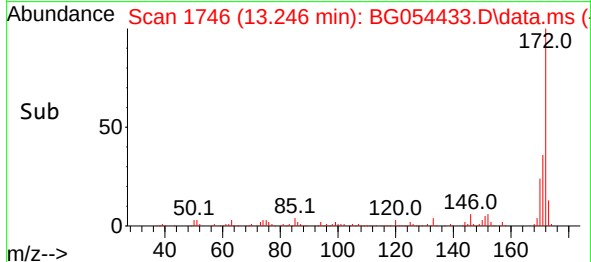
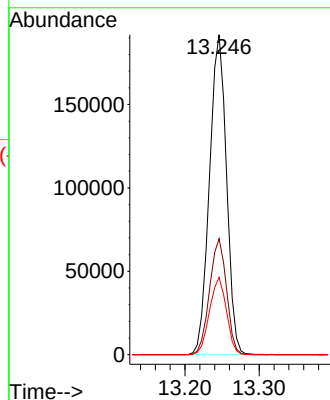
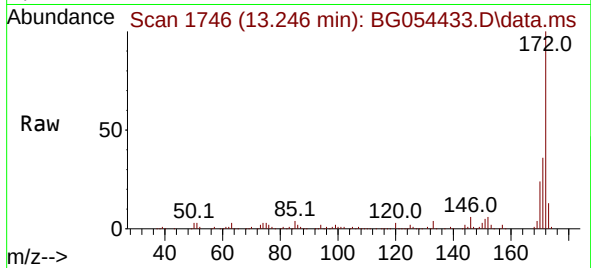




#45
2-Fluorobiphenyl
Concen: 75.120 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

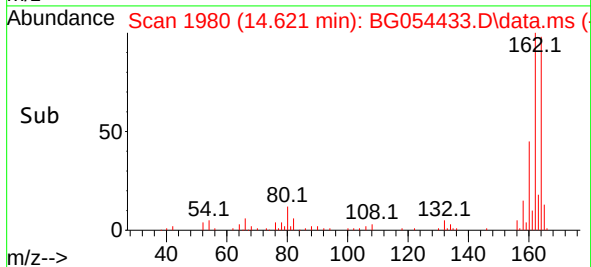
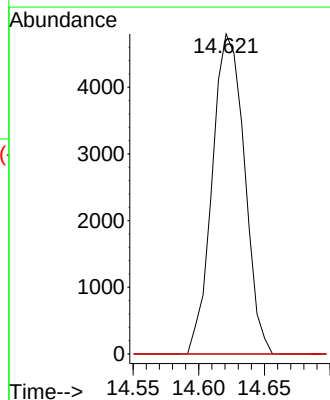
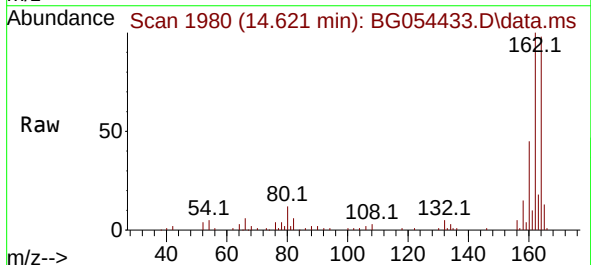
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ClientSampleId :
RVE-12

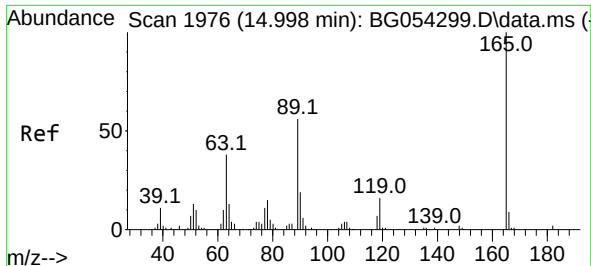
Tgt Ion:172 Resp: 305557
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.324 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:165 Resp: 8183
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

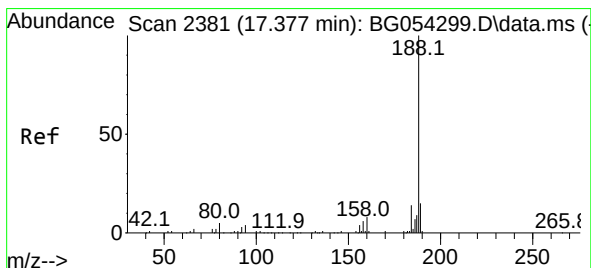
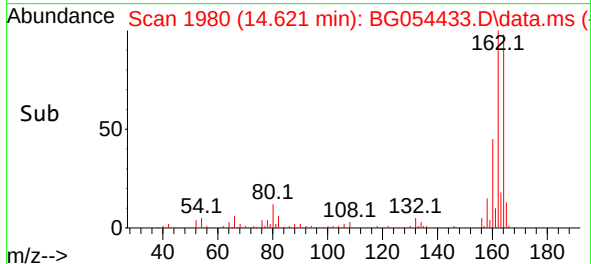
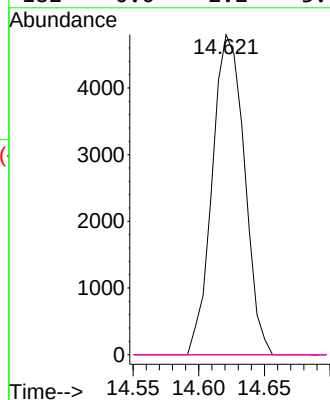
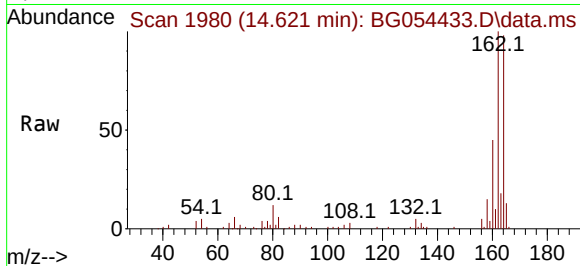




#57
2,4-Dinitrotoluene
Concen: 5.806 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.371 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

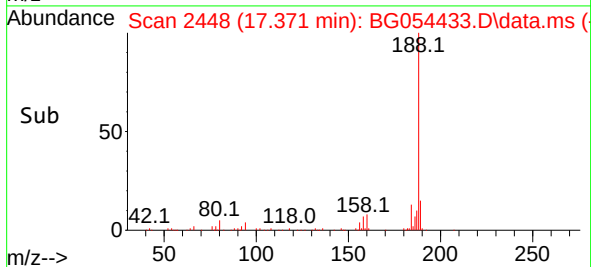
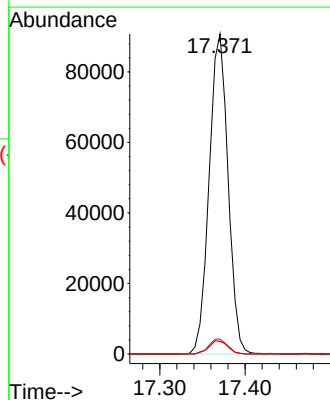
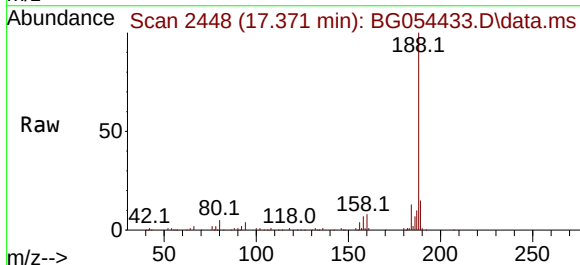
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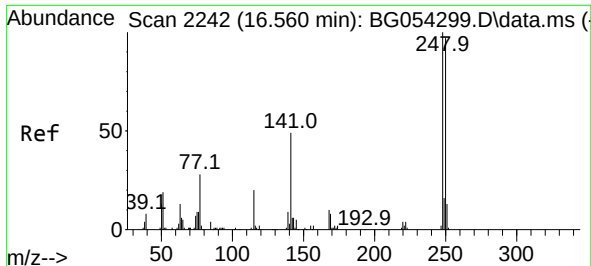
Tgt Ion:165 Resp: 8183
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:188 Resp: 139827
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.7 6.8 10.2#

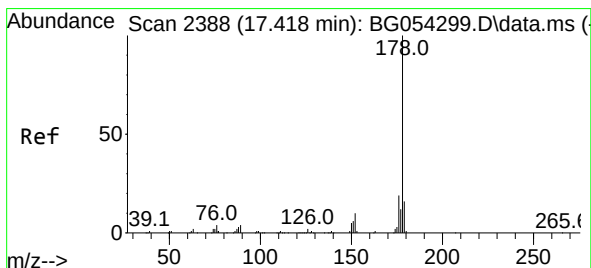
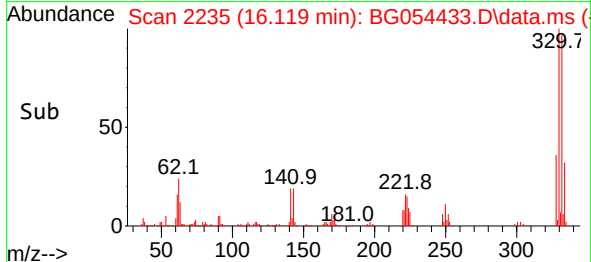
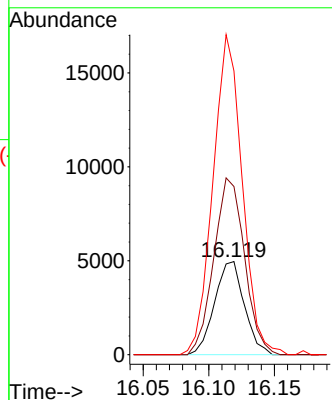
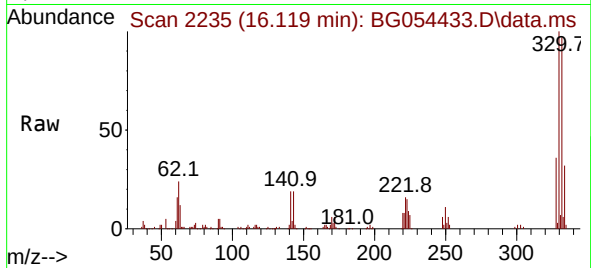




#67
4-Bromophenyl-phenylether
Concen: 3.981 ng
RT: 16.119 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

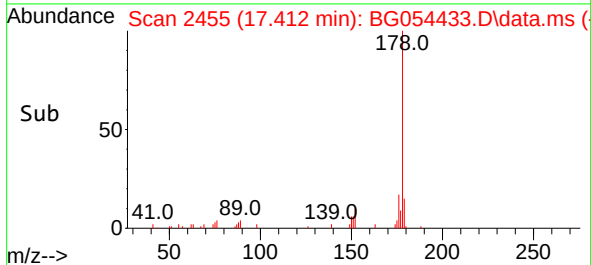
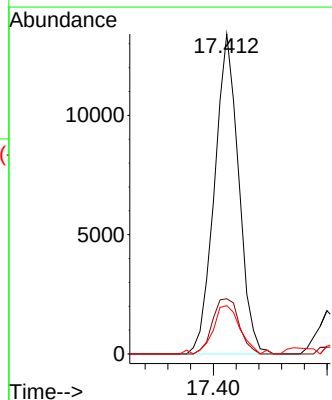
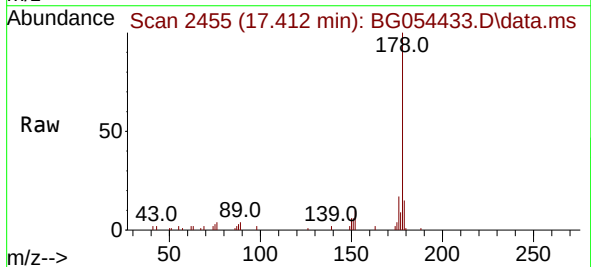
Instrument :
BNA_G
ClientSampleId :
RVE-12

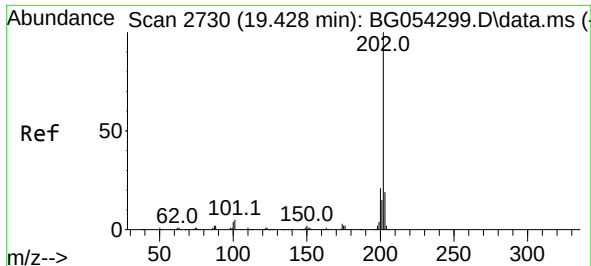
Tgt Ion:248 Resp: 7817
Ion Ratio Lower Upper
248 100
250 136.3 75.2 112.8#
141 230.0 50.0 75.0#



#71
Phenanthrene
Concen: 2.830 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:178 Resp: 19709
Ion Ratio Lower Upper
178 100
176 17.3 14.1 21.1
179 15.1 12.1 18.1

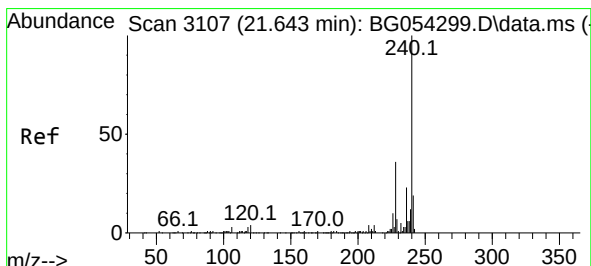
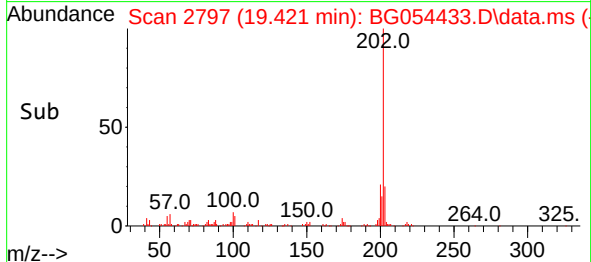
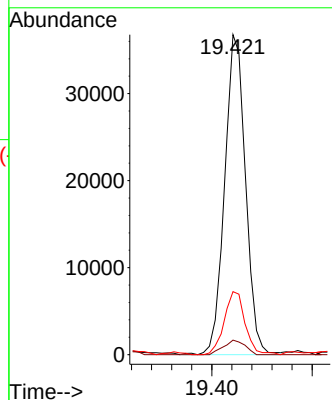
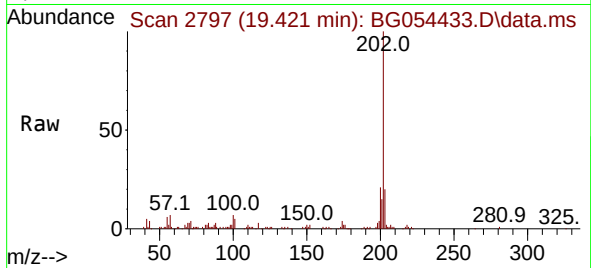




#75
Fluoranthene
Concen: 5.578 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

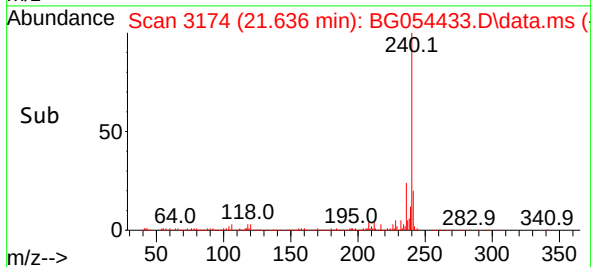
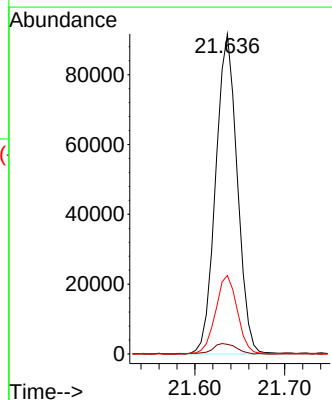
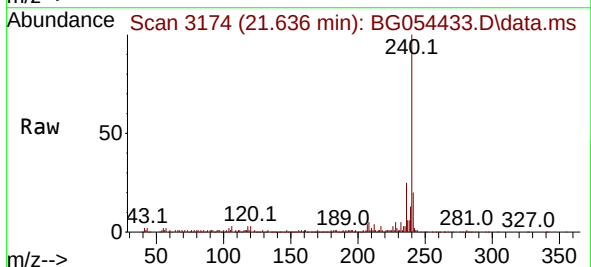
Instrument :
BNA_G
ClientSampleId :
RVE-12

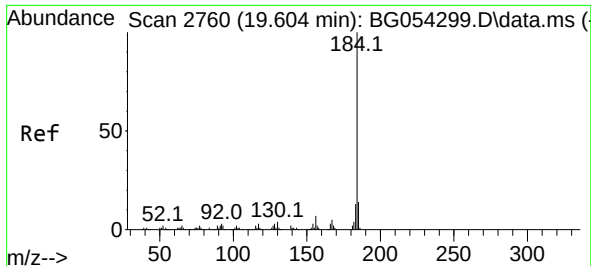
Tgt Ion:202 Resp: 52947
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 19.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:240 Resp: 152938
Ion Ratio Lower Upper
240 100
120 3.0 4.6 7.0#
236 24.5 20.2 30.4

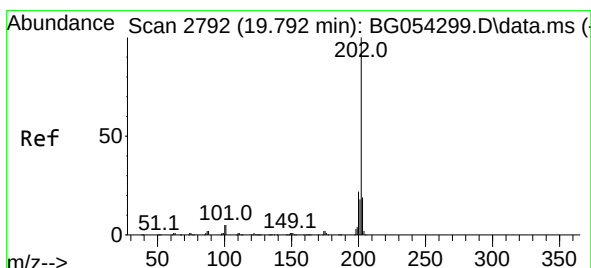
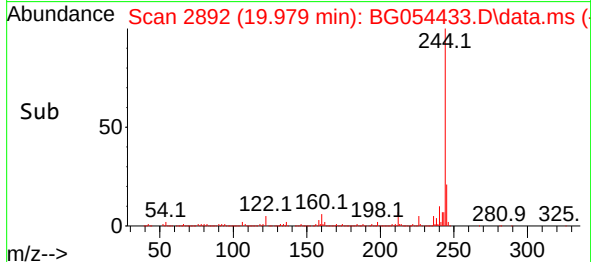
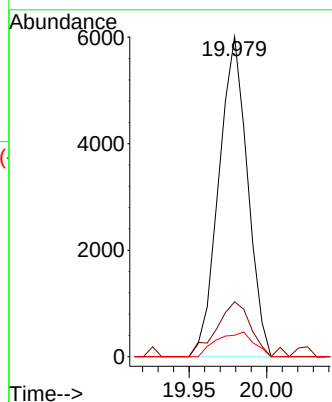
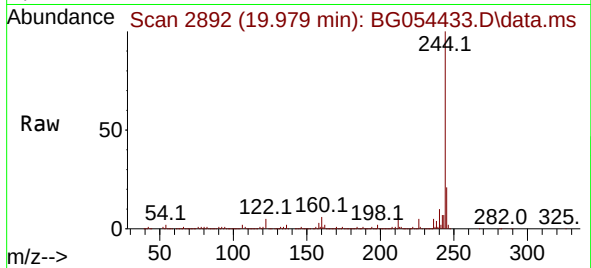




#77
Benzidine
Concen: 2.788 ng
RT: 19.979 min Scan# 2892
Delta R.T. 0.381 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

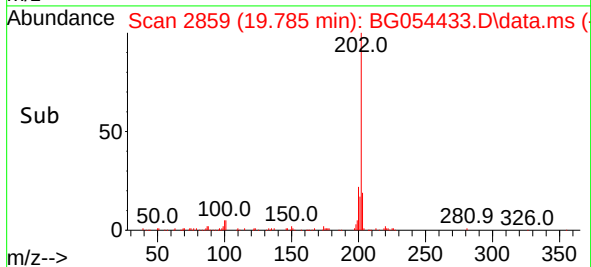
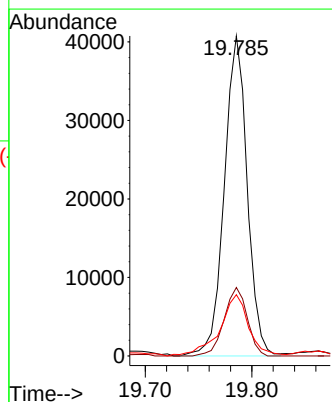
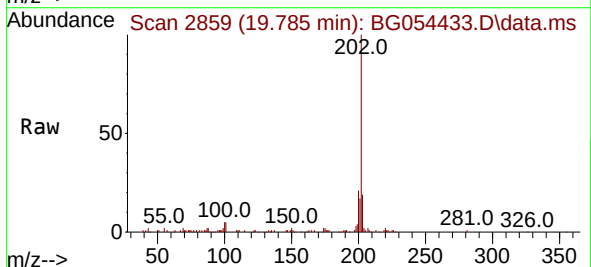
Instrument :
BNA_G
ClientSampleId :
RVE-12

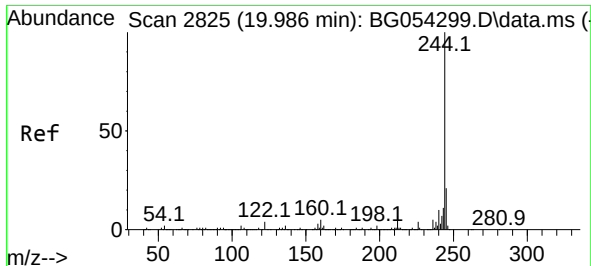
Tgt Ion:184 Resp: 7723
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.6
183 6.7 8.9 13.3#



#78
Pyrene
Concen: 6.924 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:202 Resp: 60760
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 19.2 14.6 21.8

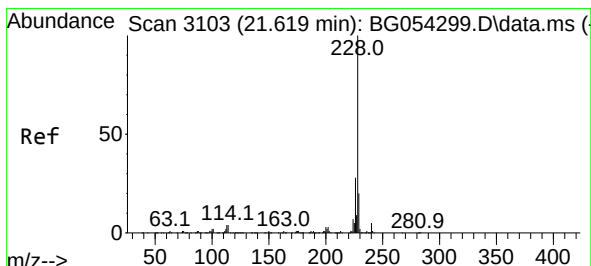
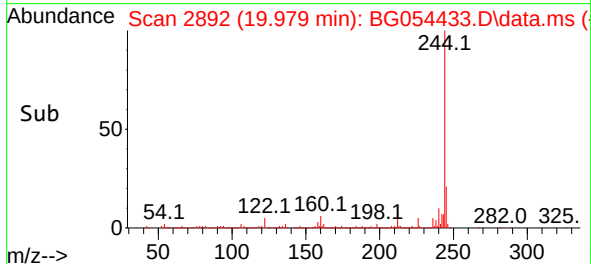
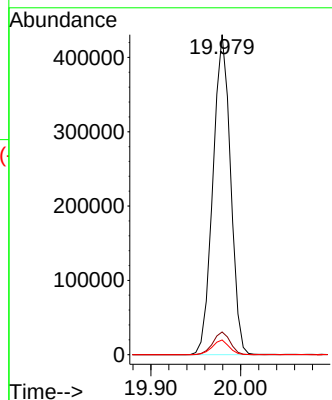
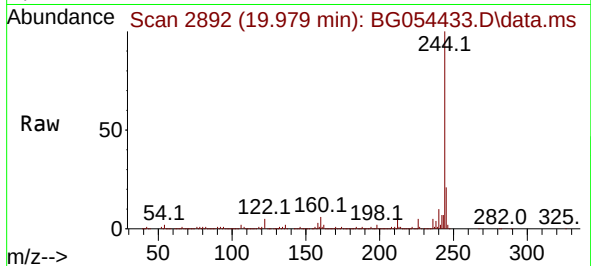




#79
 Terphenyl-d14
 Concen: 76.150 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054433.D
 Acq: 28 Jul 2022 15:44

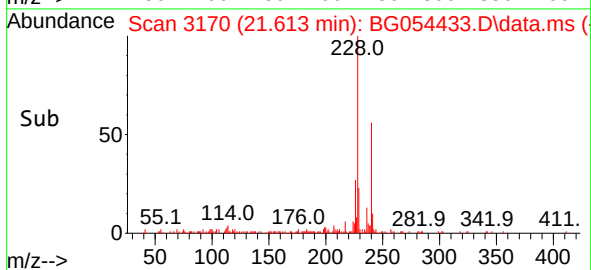
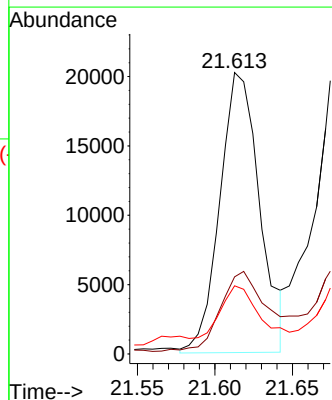
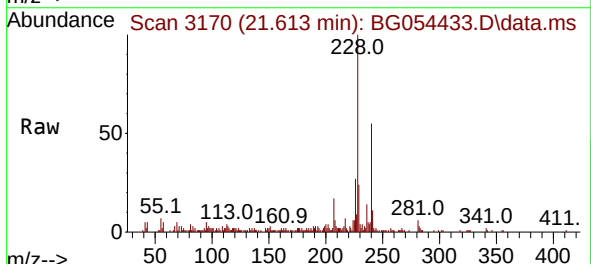
Instrument :
 BNA_G
 ClientSampleId :
 RVE-12

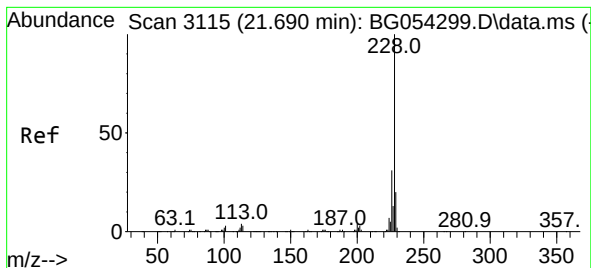
Tgt Ion:244 Resp: 587063
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.6 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.725 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.001 min
 Lab File: BG054433.D
 Acq: 28 Jul 2022 15:44

Tgt Ion:228 Resp: 36160
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.6 32.4
 229 24.2 16.2 24.2





#83

Chrysene

Concen: 4.836 ng

RT: 21.677 min Scan# 3115

Delta R.T. -0.007 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

Instrument :

BNA_G

ClientSampleId :

RVE-12

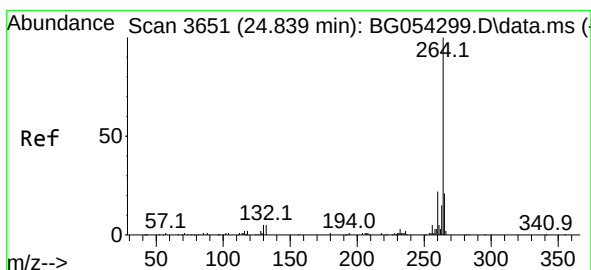
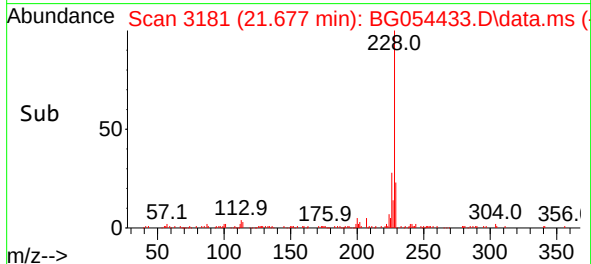
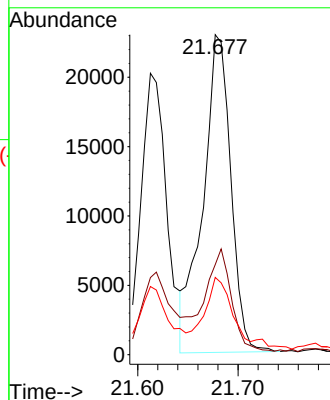
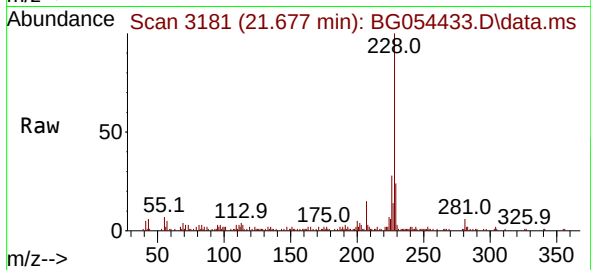
Tgt Ion:228 Resp: 44359

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

229 24.1 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.844 min Scan# 3720

Delta R.T. 0.011 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

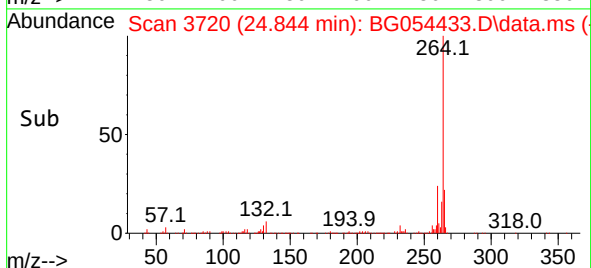
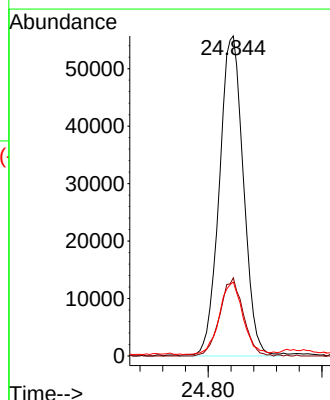
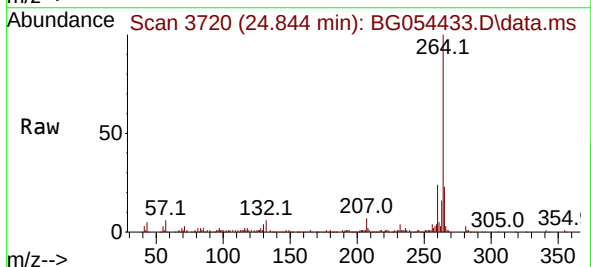
Tgt Ion:264 Resp: 163652

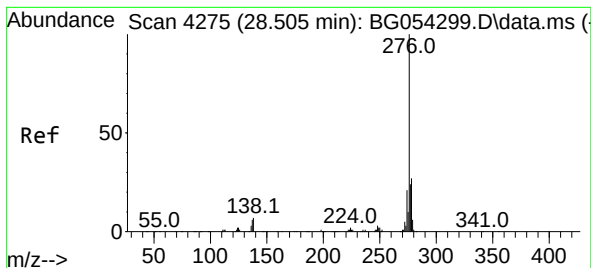
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 23.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.632 ng

RT: 28.510 min Scan# 41

Delta R.T. -0.007 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

Instrument :

BNA_G

ClientSampleId :

RVE-12

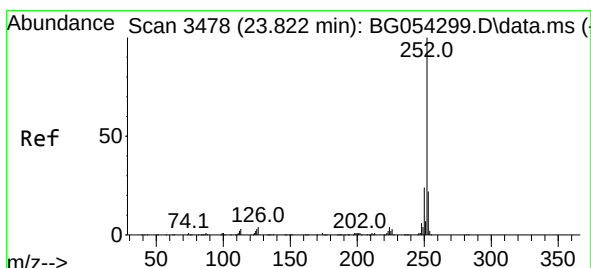
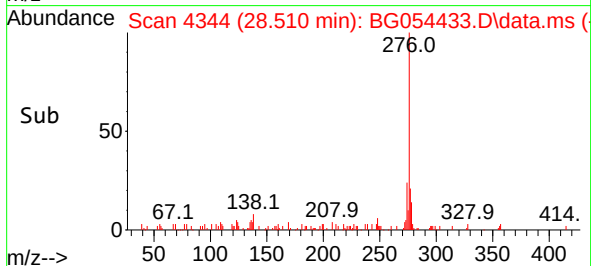
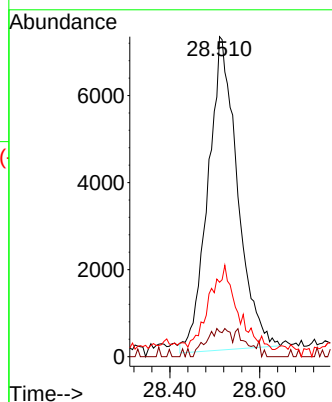
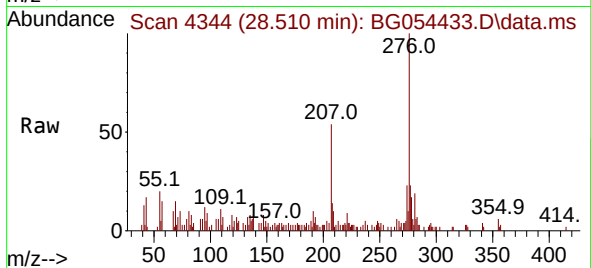
Tgt Ion:276 Resp: 32763

Ion Ratio Lower Upper

276 100

138 4.9 5.0 7.4#

277 23.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.594 ng

RT: 23.828 min Scan# 3547

Delta R.T. 0.005 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

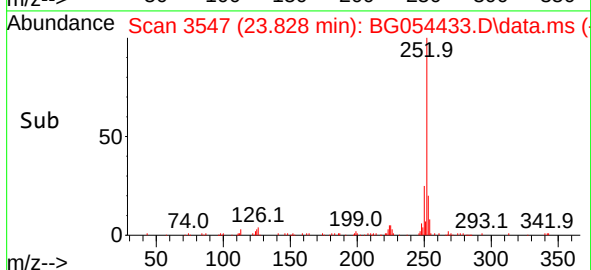
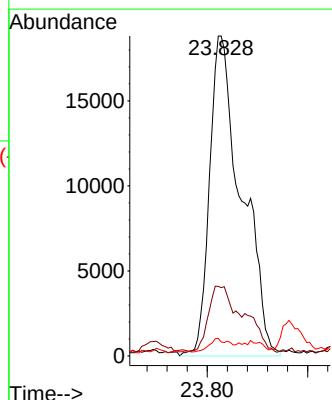
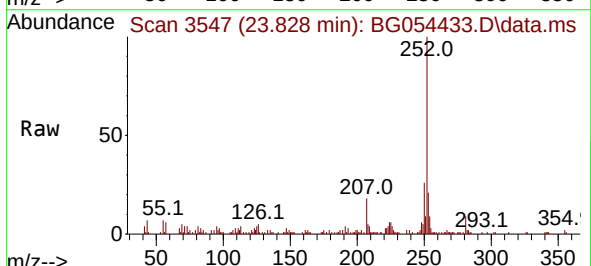
Tgt Ion:252 Resp: 83176

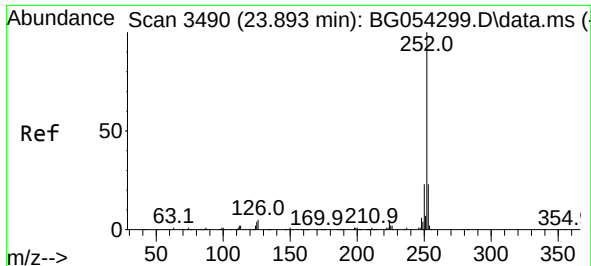
Ion Ratio Lower Upper

252 100

253 21.4 18.0 27.0

125 4.4 4.6 6.8#

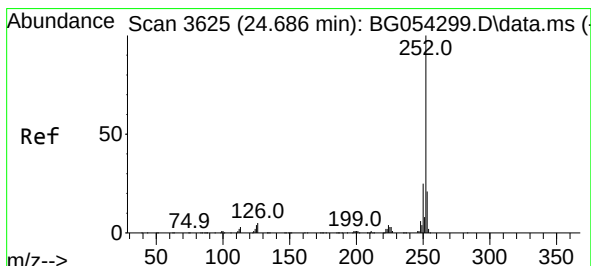
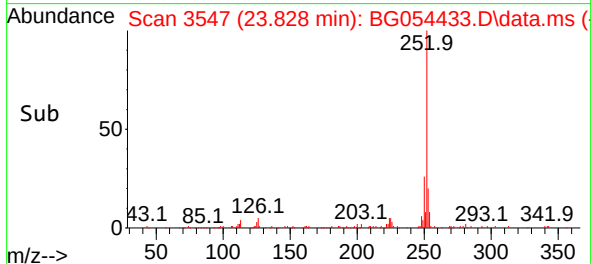
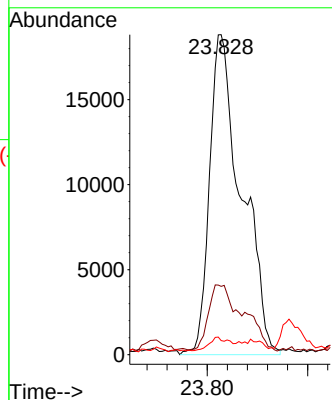
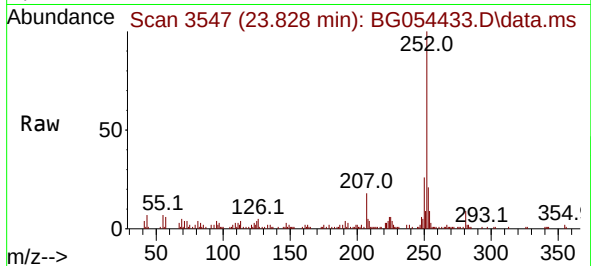




#89
Benzo(k)fluoranthene
Concen: 8.635 ng
RT: 23.828 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

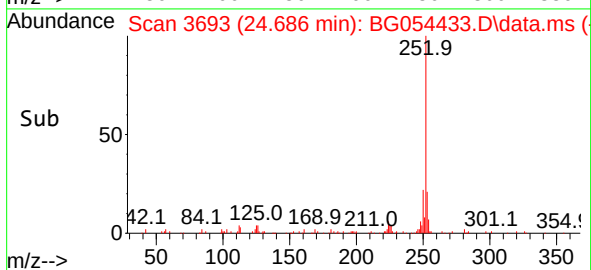
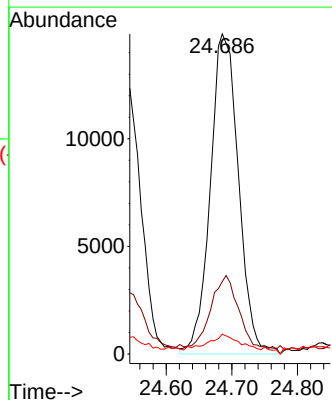
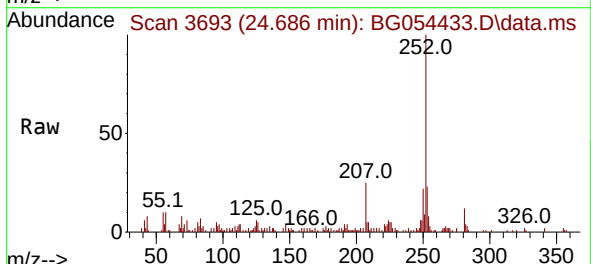
Instrument :
BNA_G
ClientSampleId :
RVE-12

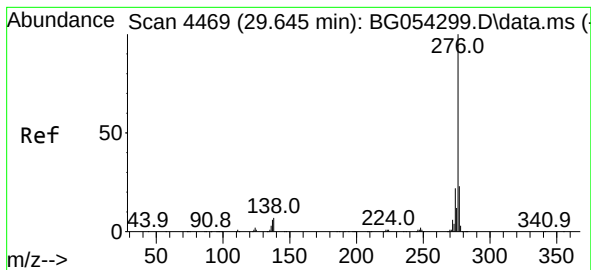
Tgt Ion:252 Resp: 83176
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 4.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 5.375 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Tgt Ion:252 Resp: 44423
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.2 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 3.684 ng

RT: 29.686 min Scan# 4

Delta R.T. 0.023 min

Lab File: BG054433.D

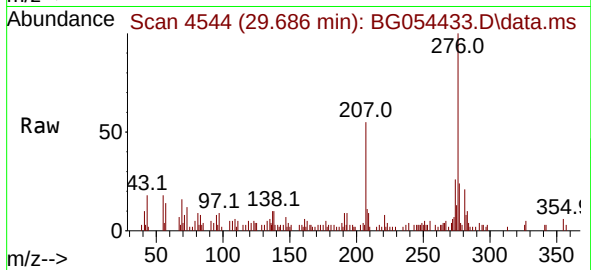
Acq: 28 Jul 2022 15:44

Instrument :

BNA_G

ClientSampleId :

RVE-12



Tgt Ion:276 Resp: 37218

Ion Ratio Lower Upper

276 100

277 24.4 17.3 25.9

138 10.2 9.6 14.4

