

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054451.D
 Acq On : 29 Jul 2022 16:11
 Operator : CG/JU
 Sample : N3895-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-42

Quant Time: Jul 30 03:18:22 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

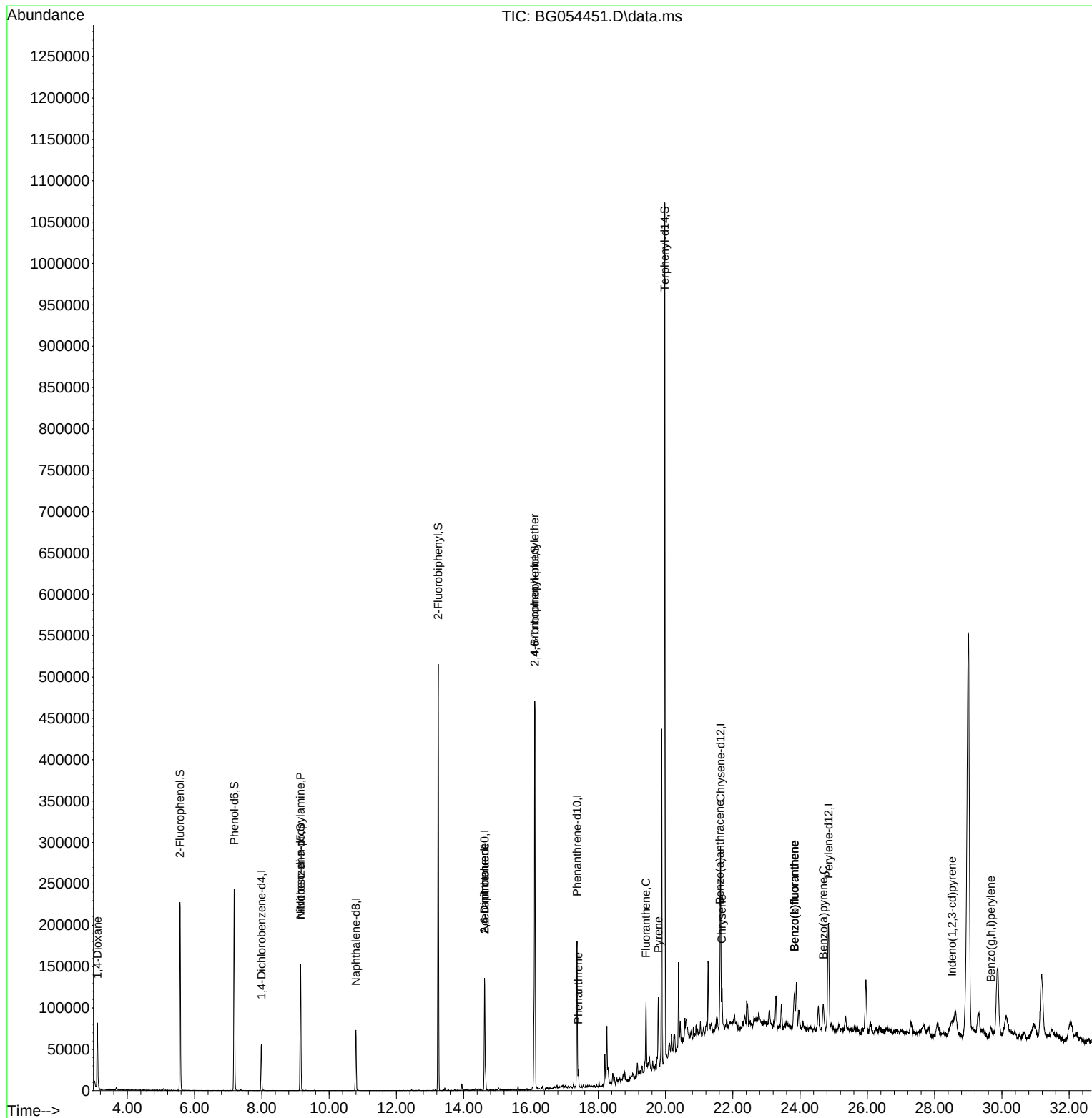
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	18141	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	70149	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	53267	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	128603	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	145419	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	156526	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	105715	121.670	ng	0.00
7) Phenol-d6	7.182	99	142771	119.919	ng	0.01
23) Nitrobenzene-d5	9.151	82	94113	73.060	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	130187	116.404	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	292111	77.361	ng	0.00
79) Terphenyl-d14	19.979	244	581246	79.293	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.111	88	962	2.783	ng	# 1
9) Benzaldehyde	7.176	77	209	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.151	70	13551	17.045	ng	# 79
51) 2,6-Dinitrotoluene	14.621	165	7727	8.467	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7727	5.906	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7887	4.367	ng	# 1
71) Phenanthrene	17.411	178	14736	2.301	ng	96
75) Fluoranthene	19.421	202	47483	5.439	ng	95
78) Pyrene	19.785	202	58838	7.052	ng	95
81) Benzo(a)anthracene	21.618	228	24262	2.628	ng	98
83) Chrysene	21.677	228	39685	4.550	ng	94
87) Indeno(1,2,3-cd)pyrene	28.516	276	31905	2.679	ng	93
88) Benzo(b)fluoranthene	23.833	252	59066	6.381	ng	# 96
89) Benzo(k)fluoranthene	23.833	252	59066	6.412	ng	97
90) Benzo(a)pyrene	24.691	252	33820	4.278	ng	# 95
92) Benzo(g,h,i)perylene	29.674	276	32928	3.407	ng	# 91

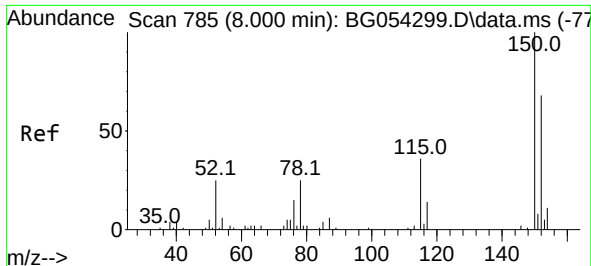
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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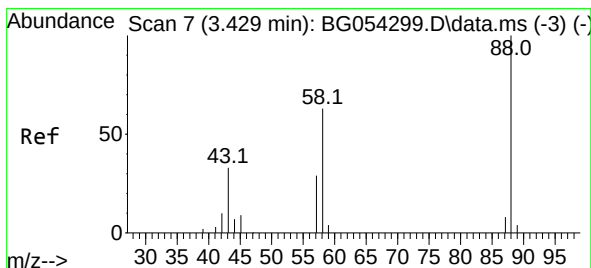
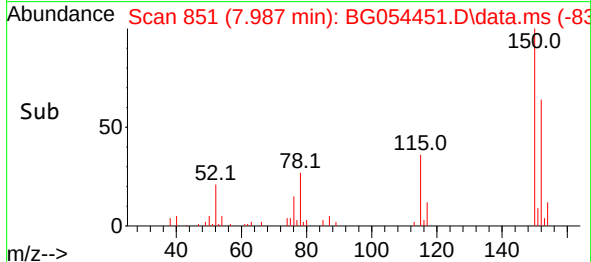
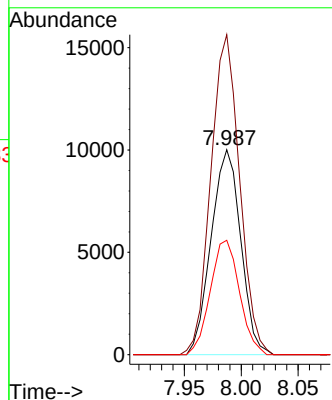
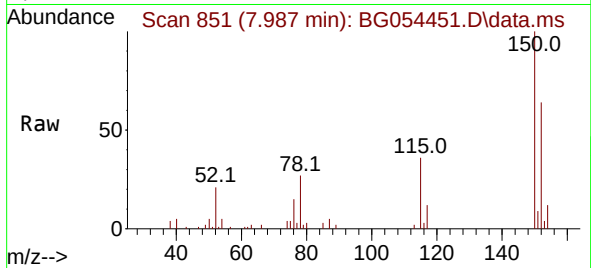




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.987 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

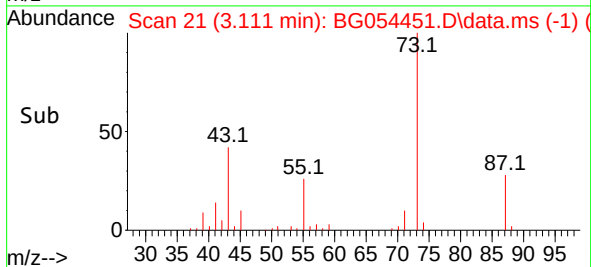
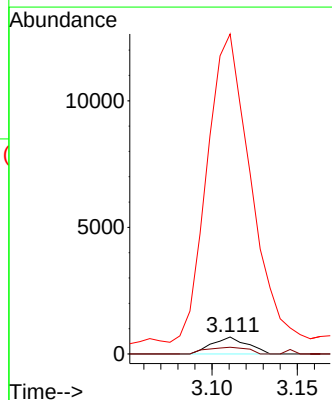
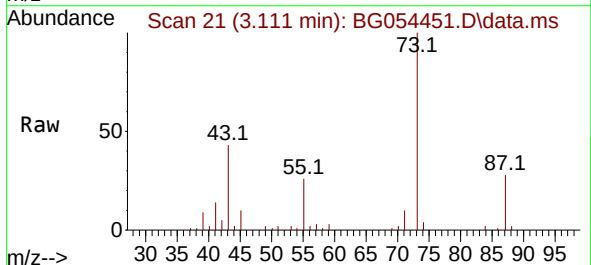
Instrument :
 BNA_G
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 RVE-42

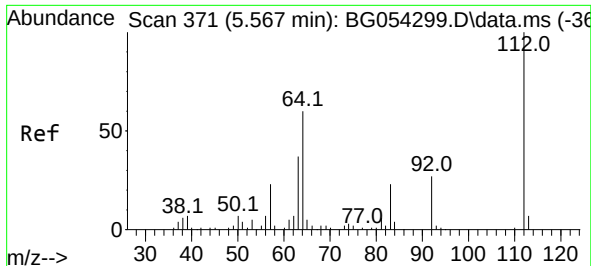
Tgt Ion:152 Resp: 18141
 Ion Ratio Lower Upper
 152 100
 150 156.1 131.6 197.4
 115 55.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.783 ng
 RT: 3.111 min Scan# 21
 Delta R.T. -0.307 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

Tgt Ion: 88 Resp: 962
 Ion Ratio Lower Upper
 88 100
 58 46.9 59.2 88.8#
 43 2423.7 24.3 36.5#

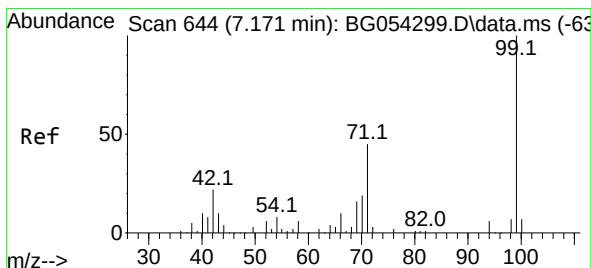
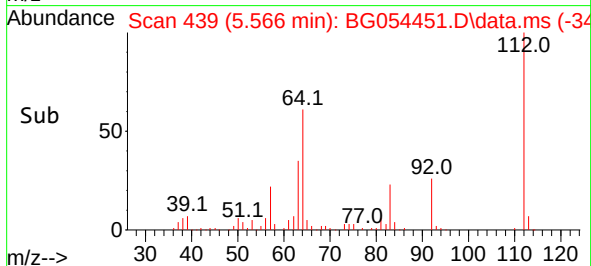
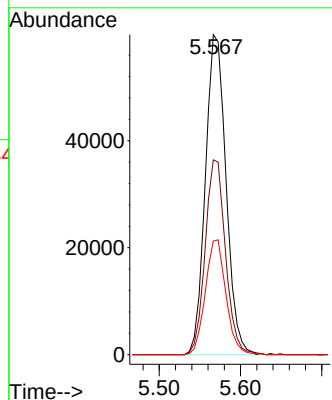
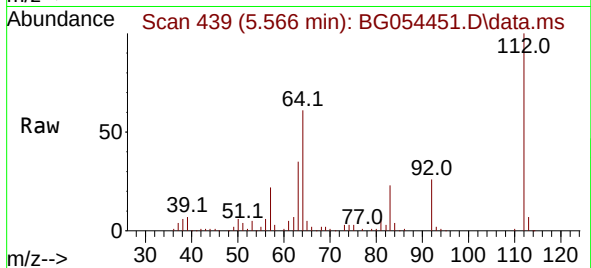




#5
2-Fluorophenol
Concen: 121.670 ng
RT: 5.566 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

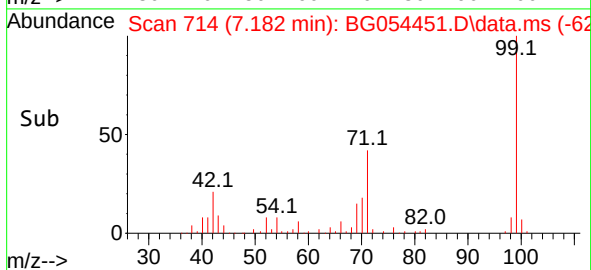
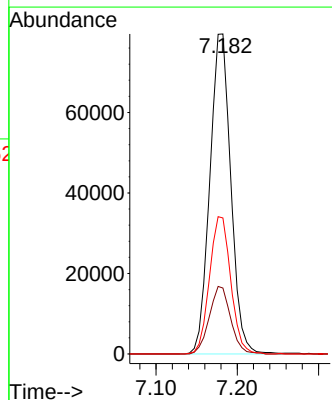
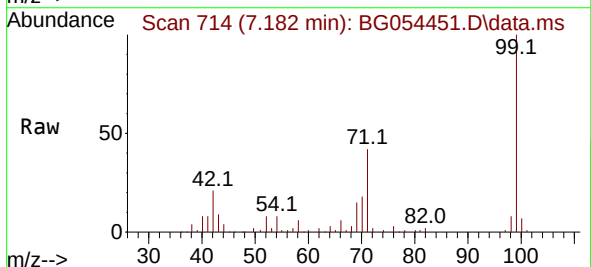
Instrument :
BNA_G
ClientSampleId :
RVE-42

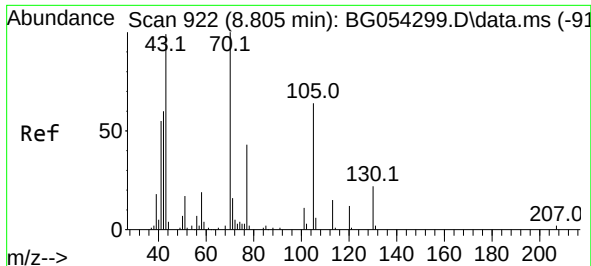
Tgt Ion:112 Resp: 105715
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 35.5 30.4 45.6



#7
Phenol-d6
Concen: 119.919 ng
RT: 7.182 min Scan# 714
Delta R.T. 0.011 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion: 99 Resp: 142771
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 42.5 33.8 50.8

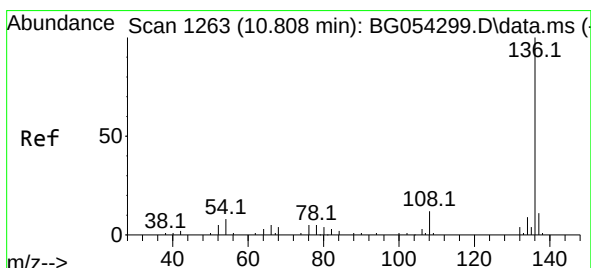
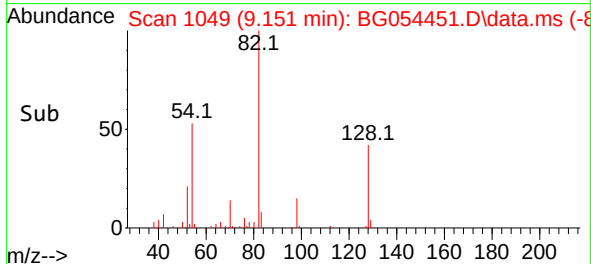
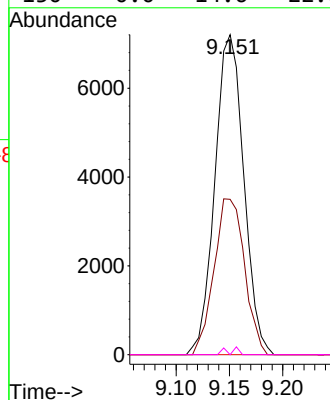
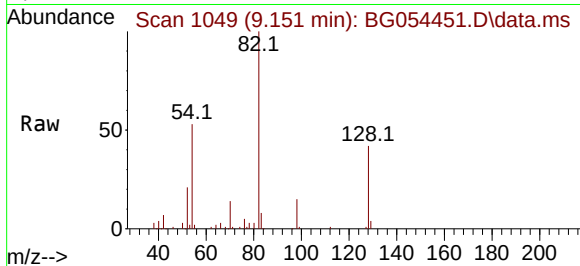




#19
n-Nitroso-di-n-propylamine
Concen: 17.045 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

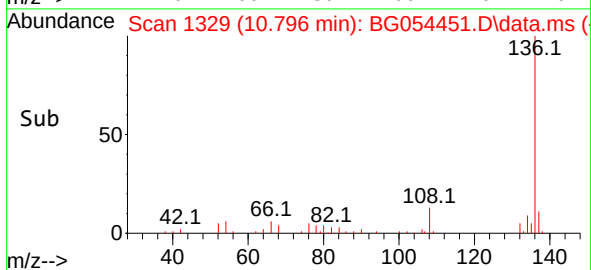
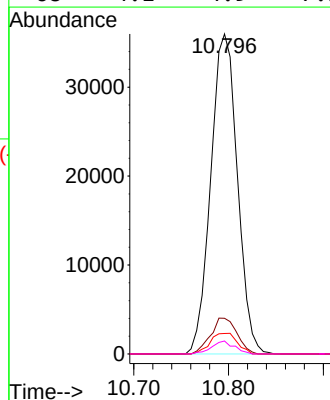
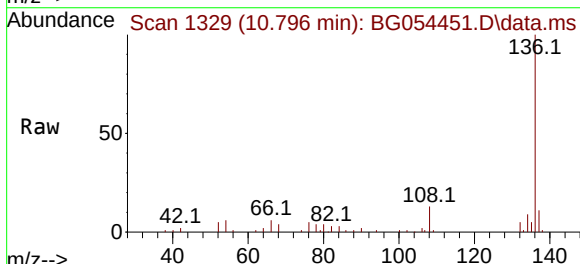
Instrument :
BNA_G
ClientSampleId :
RVE-42

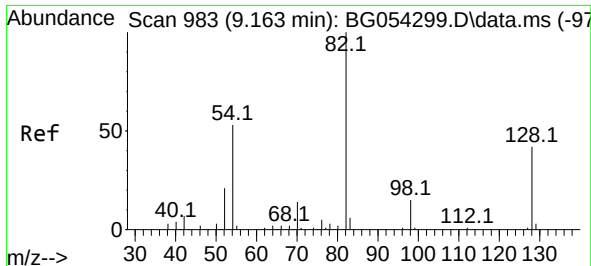
Tgt Ion: 70	Resp: 13551
Ion Ratio	Lower Upper
70	100
42	48.5 47.3 70.9
101	0.0 7.0 10.4#
130	0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion: 136	Resp: 70149
Ion Ratio	Lower Upper
136	100
137	11.2 8.5 12.7
54	6.4 7.4 11.2#
68	4.1 4.9 7.3#

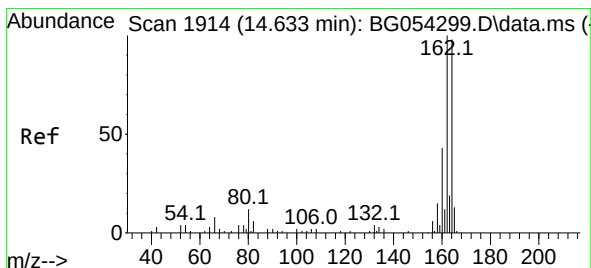
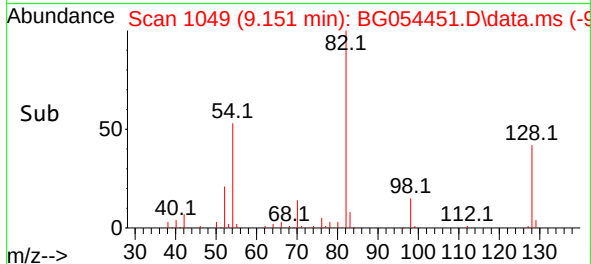
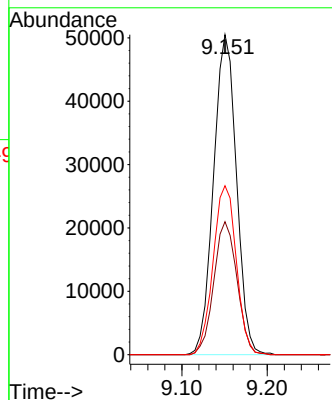
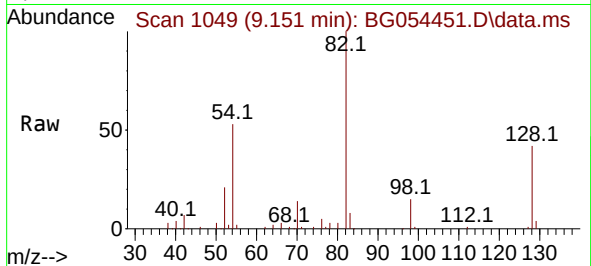




#23
Nitrobenzene-d5
Concen: 73.060 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

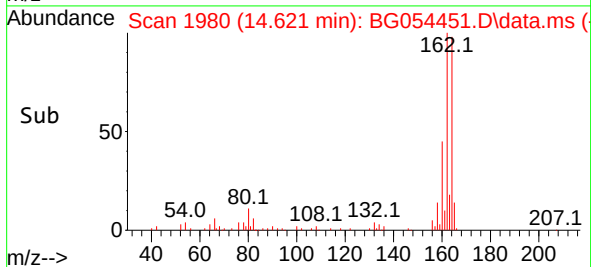
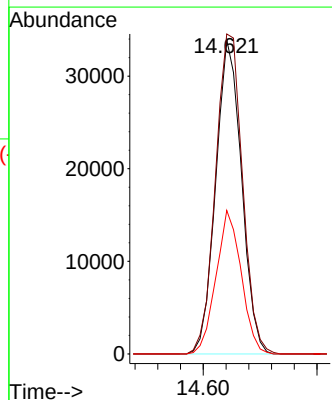
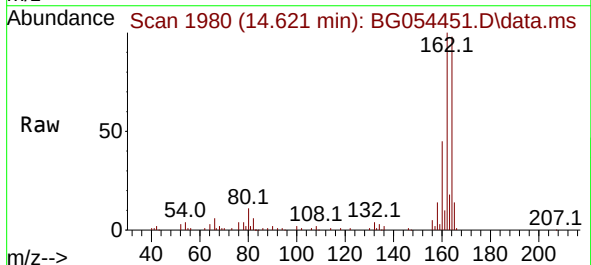
Instrument :
BNA_G
ClientSampleId :
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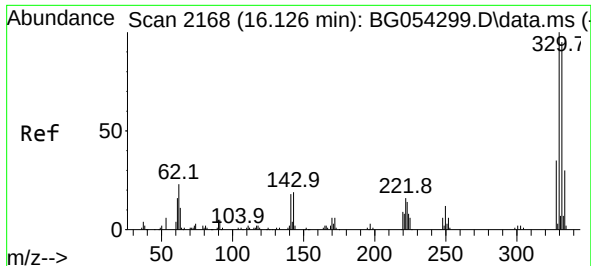
Tgt Ion: 82 Resp: 94113
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 52.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion: 164 Resp: 53267
Ion Ratio Lower Upper
164 100
162 101.8 82.3 123.5
160 45.7 34.2 51.2

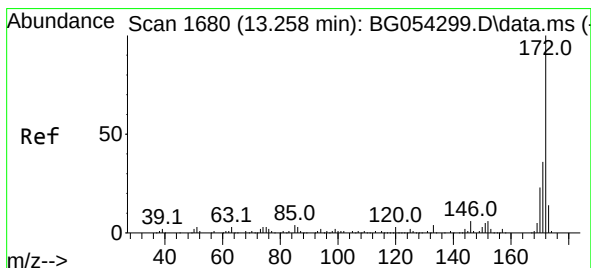
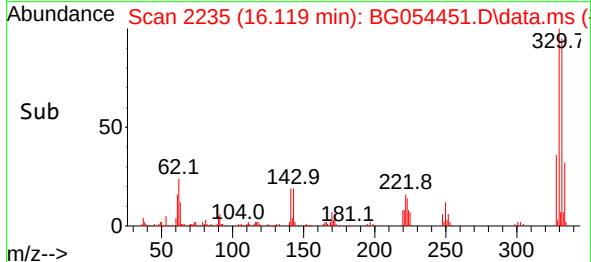
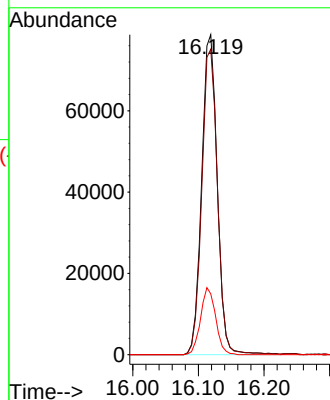
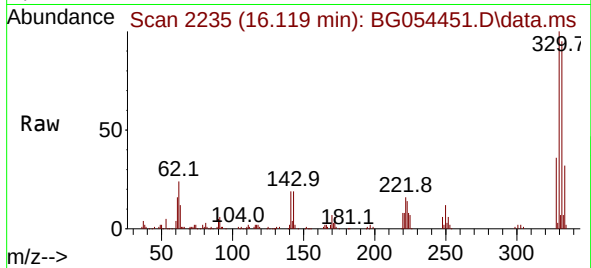




#42
2,4,6-Tribromophenol
Concen: 116.404 ng
RT: 16.119 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

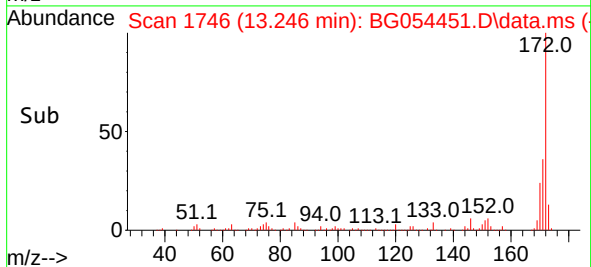
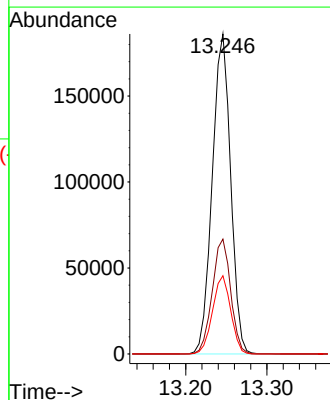
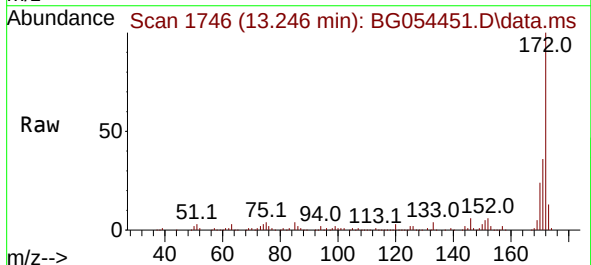
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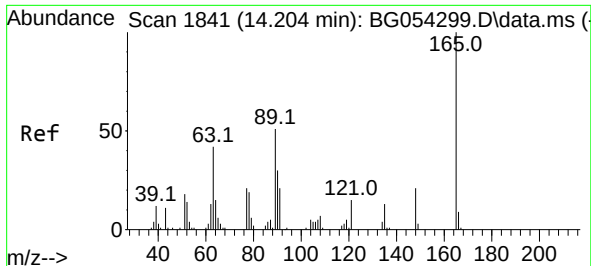
Tgt Ion:330 Resp: 130187
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 20.2 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 77.361 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion:172 Resp: 292111
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.5 18.9 28.3

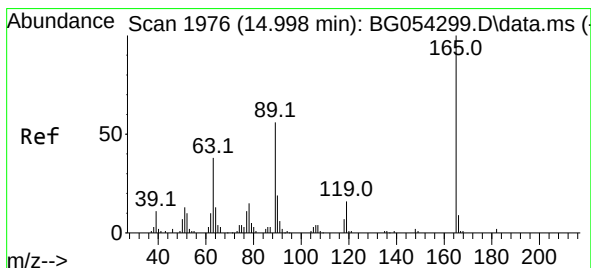
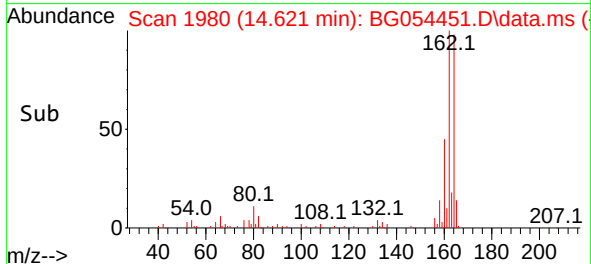
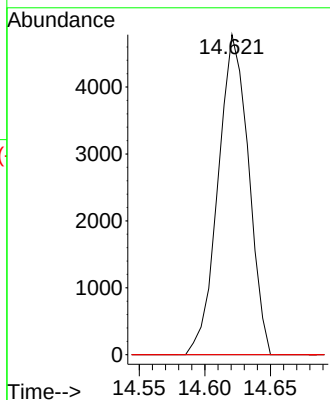
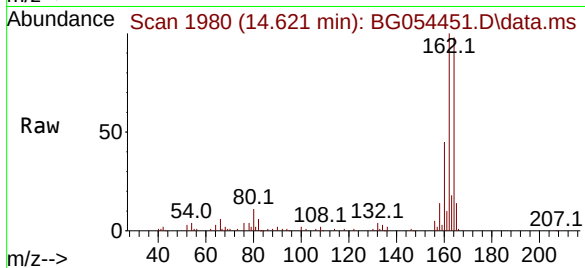




#51
2,6-Dinitrotoluene
Concen: 8.467 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

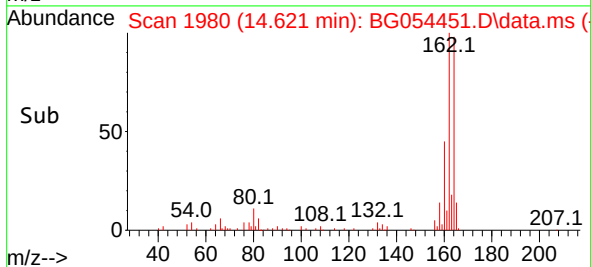
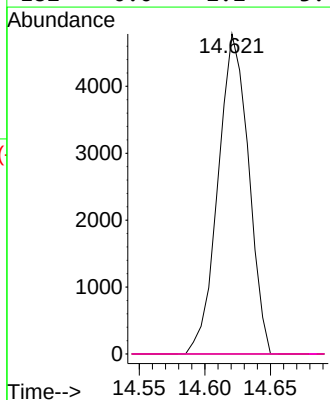
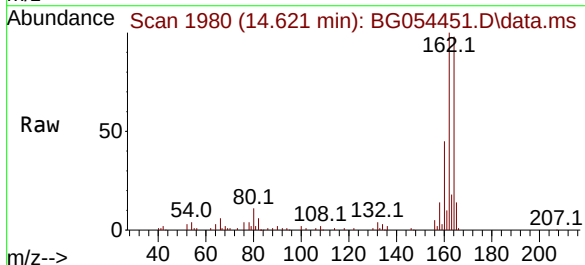
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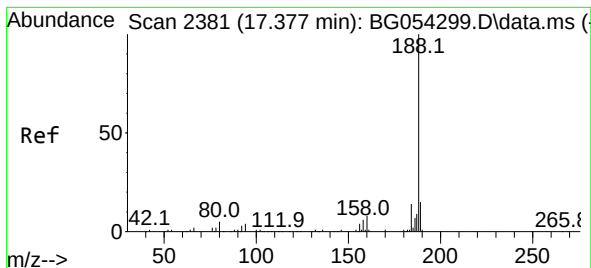
Tgt Ion:165 Resp: 7727
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.906 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.371 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion:165 Resp: 7727
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. -0.001 min

Lab File: BG054451.D

Acq: 29 Jul 2022 16:11

Instrument :

BNA_G

ClientSampleId :

RVE-42

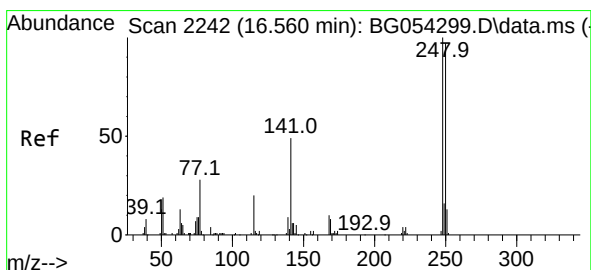
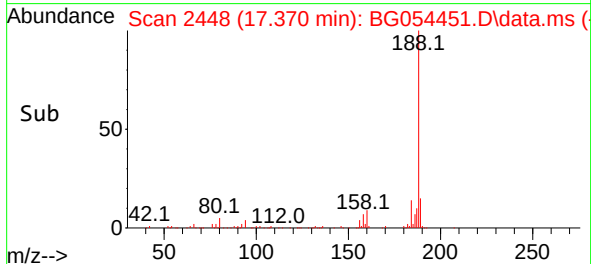
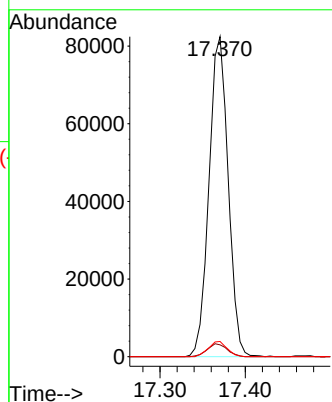
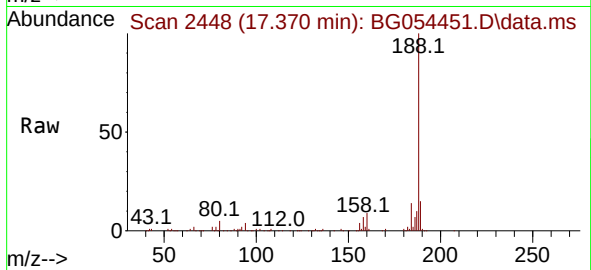
Tgt Ion:188 Resp: 128603

Ion Ratio Lower Upper

188 100

94 3.7 5.4 8.0#

80 4.7 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.367 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.442 min

Lab File: BG054451.D

Acq: 29 Jul 2022 16:11

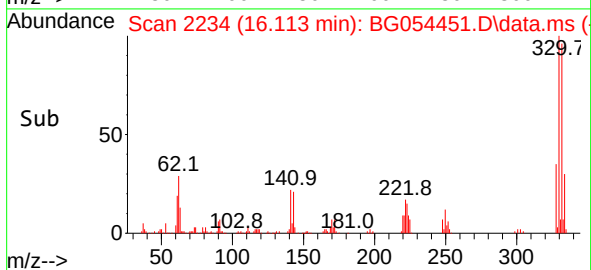
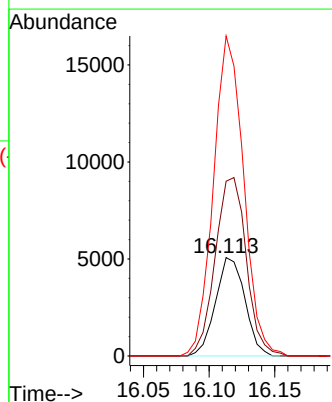
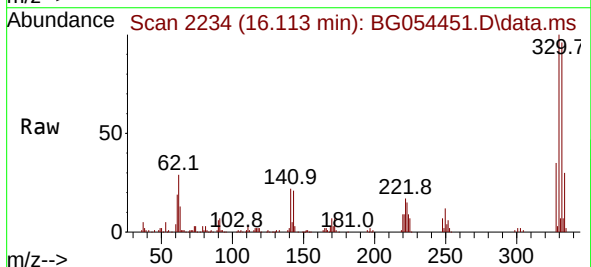
Tgt Ion:248 Resp: 7887

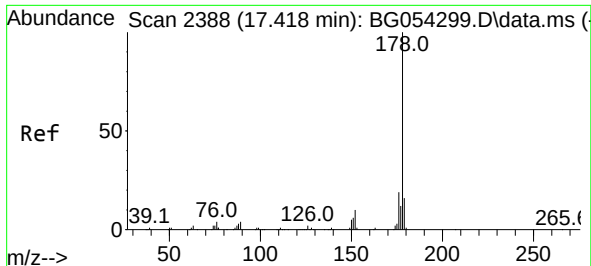
Ion Ratio Lower Upper

248 100

250 177.8 75.2 112.8#

141 325.4 50.0 75.0#

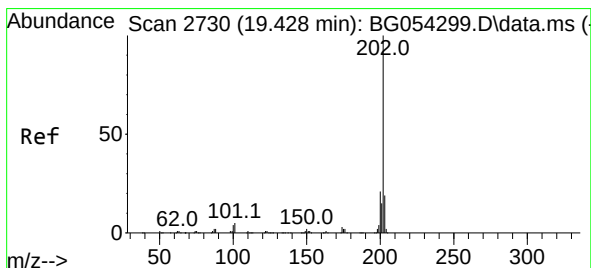
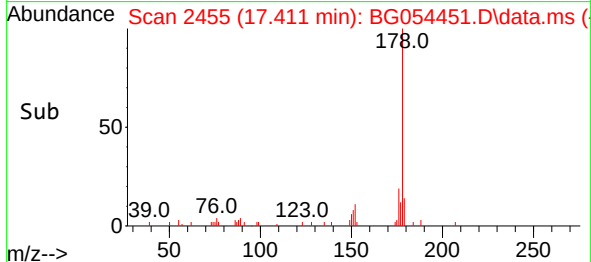
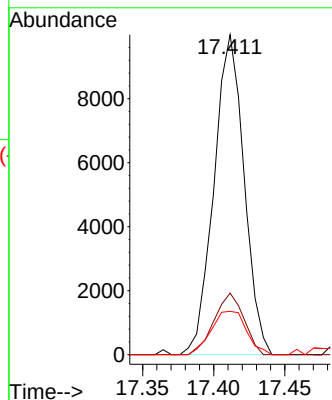
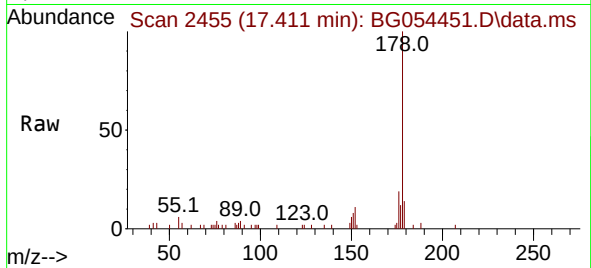




#71
Phenanthrene
Concen: 2.301 ng
RT: 17.411 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

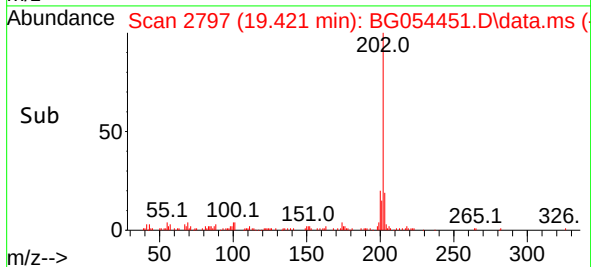
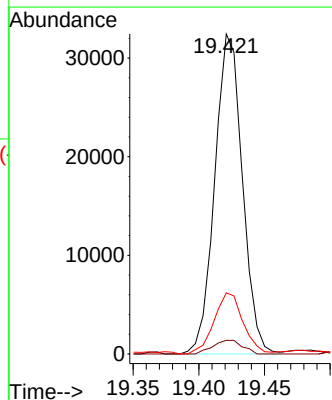
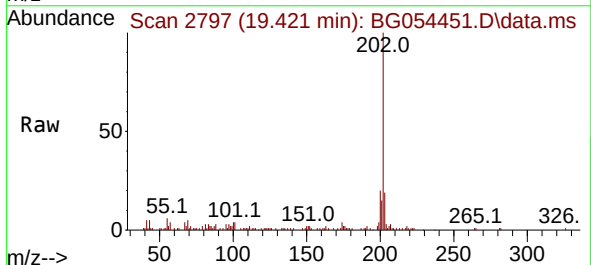
Instrument :
BNA_G
ClientSampleId :
RVE-42

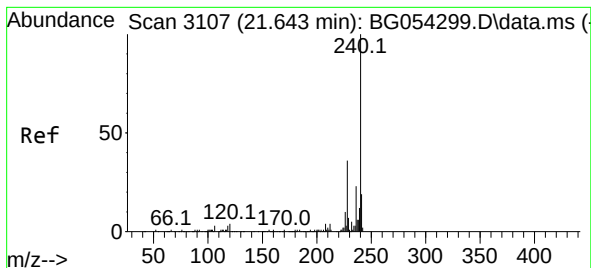
Tgt Ion:178 Resp: 14736
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 13.6 12.1 18.1



#75
Fluoranthene
Concen: 5.439 ng
RT: 19.421 min Scan# 2797
Delta R.T. -0.001 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion:202 Resp: 47483
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.1 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG054451.D

Acq: 29 Jul 2022 16:11

Instrument :

BNA_G

ClientSampleId :

RVE-42

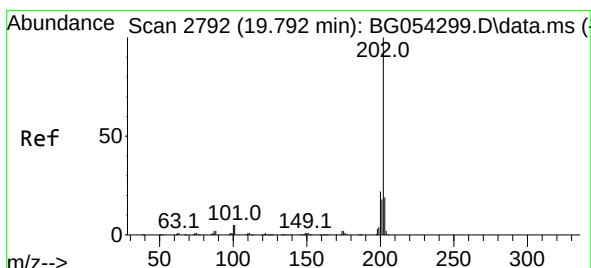
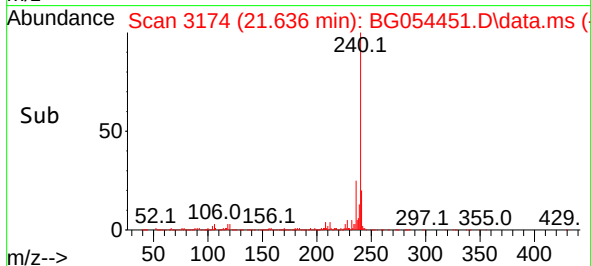
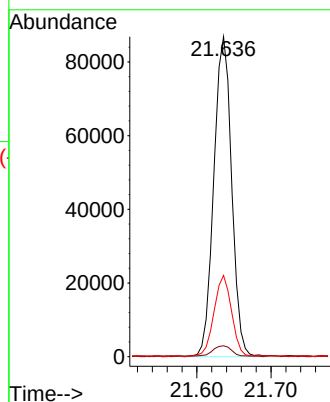
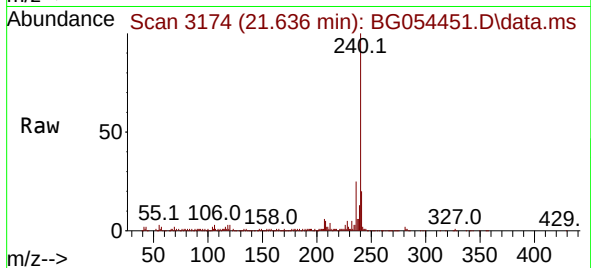
Tgt Ion:240 Resp: 145419

Ion Ratio Lower Upper

240 100

120 3.4 4.6 7.0#

236 25.4 20.2 30.4



#78

Pyrene

Concen: 7.052 ng

RT: 19.785 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG054451.D

Acq: 29 Jul 2022 16:11

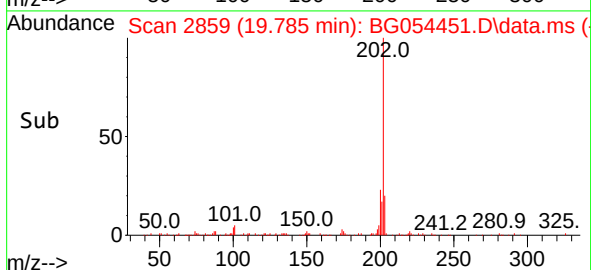
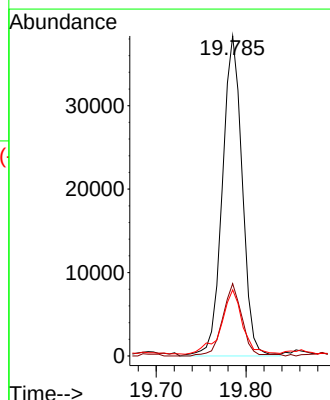
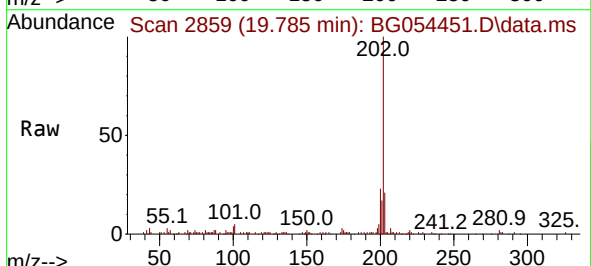
Tgt Ion:202 Resp: 58838

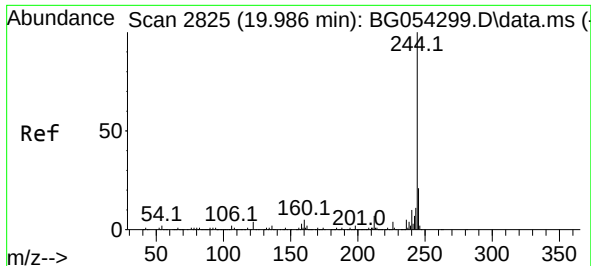
Ion Ratio Lower Upper

202 100

200 22.6 16.6 24.8

203 20.7 14.6 21.8

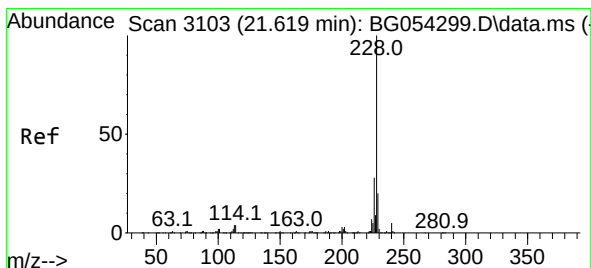
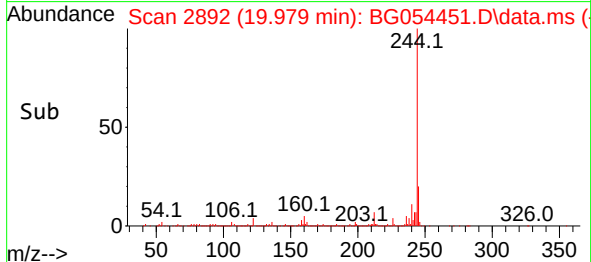
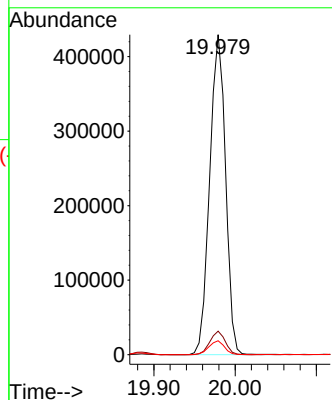
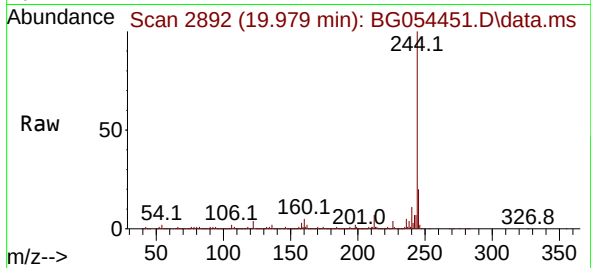




#79
 Terphenyl-d14
 Concen: 79.293 ng
 RT: 19.979 min Scan# 2825
 Delta R.T. -0.001 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

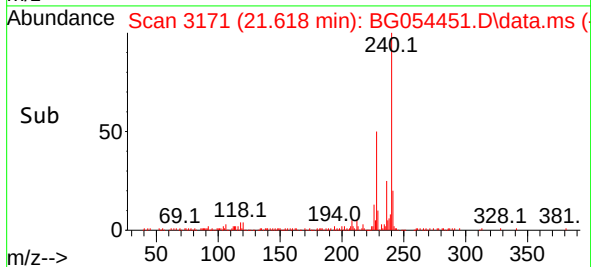
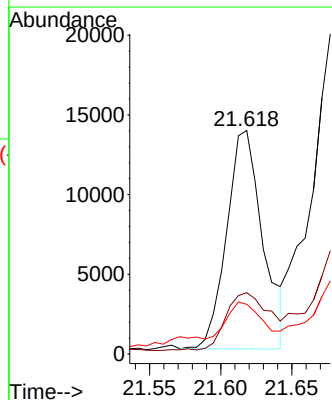
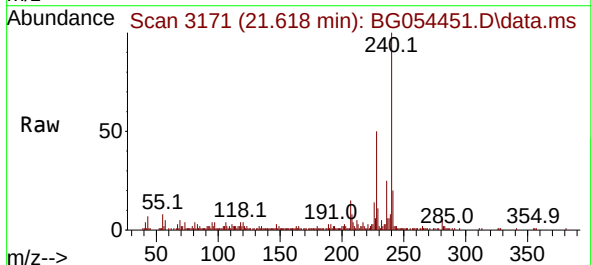
Instrument :
 BNA_G
 ClientSampleId :
 RVE-42

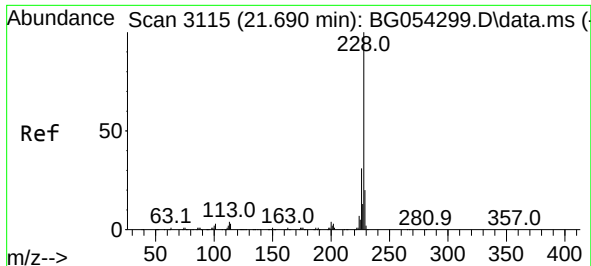
Tgt Ion:244 Resp: 581246
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.628 ng
 RT: 21.618 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

Tgt Ion:228 Resp: 24262
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.6 32.4
 229 22.2 16.2 24.2

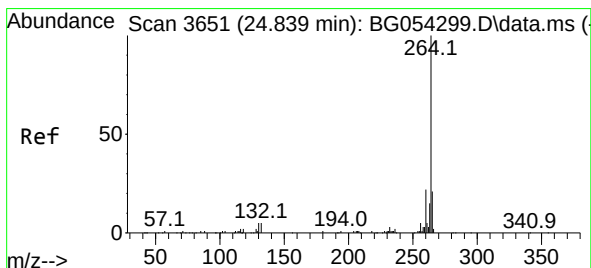
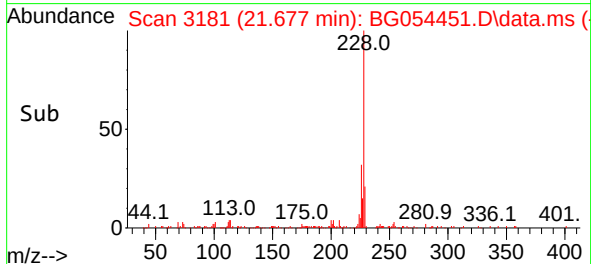
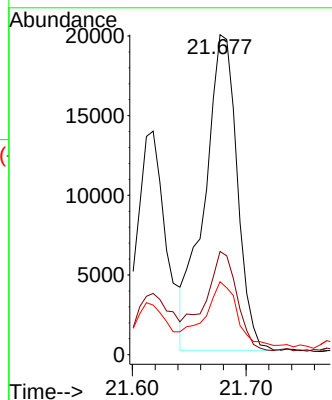
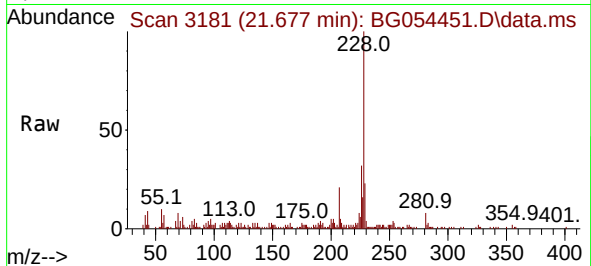




#83
Chrysene
Concen: 4.550 ng
RT: 21.677 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

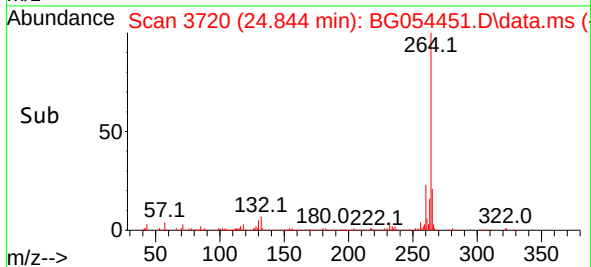
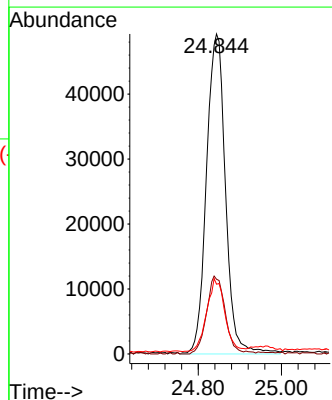
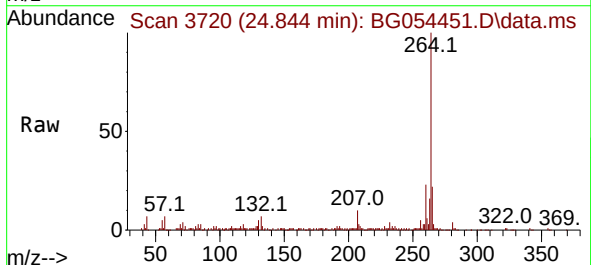
Instrument :
BNA_G
ClientSampleId :
RVE-42

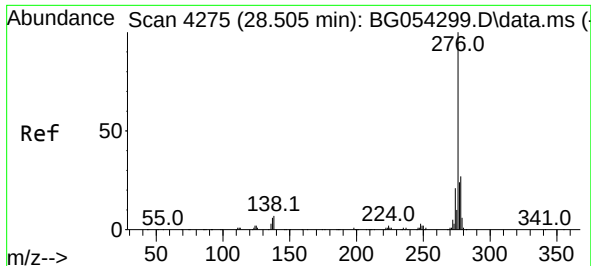
Tgt Ion:228 Resp: 39685
Ion Ratio Lower Upper
228 100
226 32.2 23.4 35.2
229 22.8 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

Tgt Ion:264 Resp: 156526
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 21.8 17.4 26.2

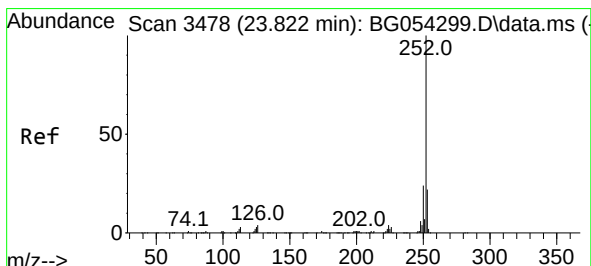
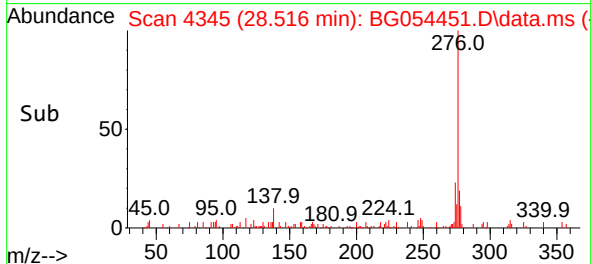
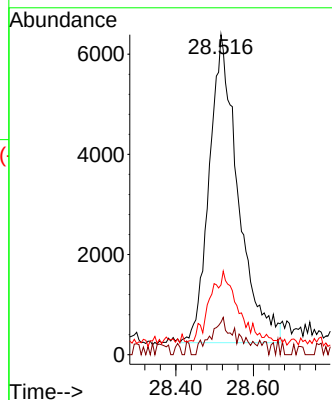
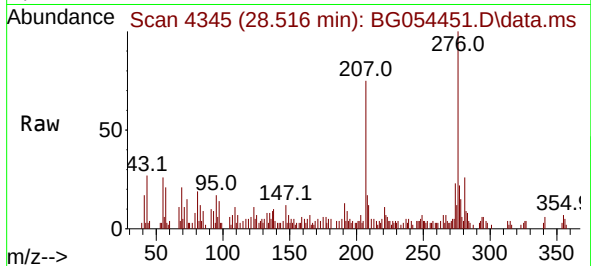




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.679 ng
 RT: 28.516 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

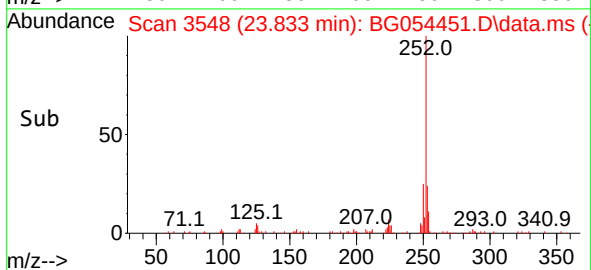
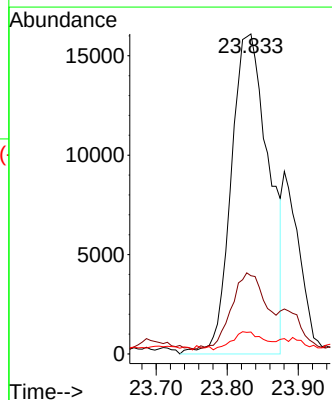
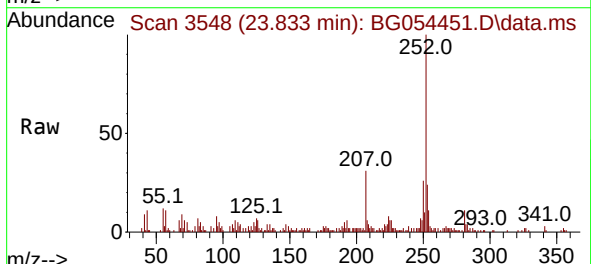
Instrument :
 BNA_G
 ClientSampleId :
 RVE-42

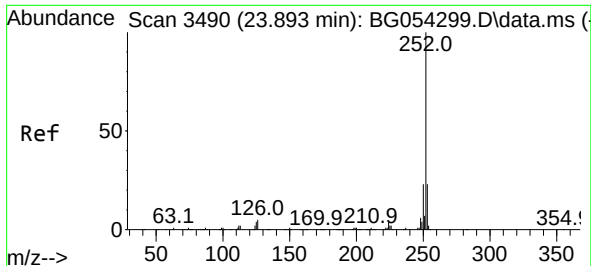
Tgt Ion:276 Resp: 31905
 Ion Ratio Lower Upper
 276 100
 138 6.0 5.0 7.4
 277 21.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 6.381 ng
 RT: 23.833 min Scan# 3548
 Delta R.T. 0.011 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

Tgt Ion:252 Resp: 59066
 Ion Ratio Lower Upper
 252 100
 253 24.4 18.0 27.0
 125 6.8 4.6 6.8#

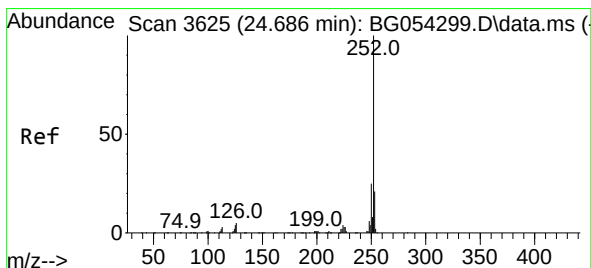
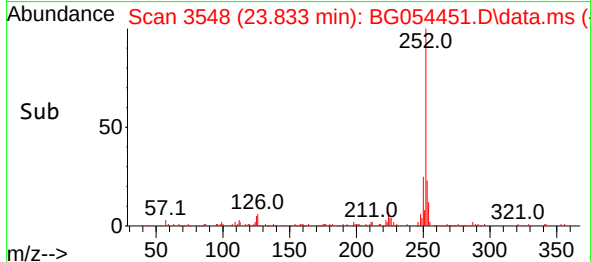
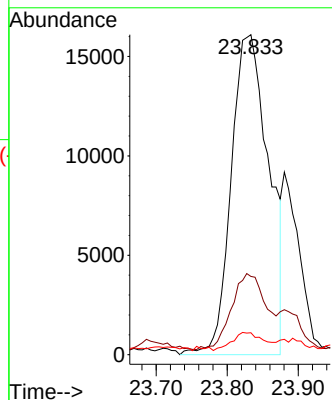
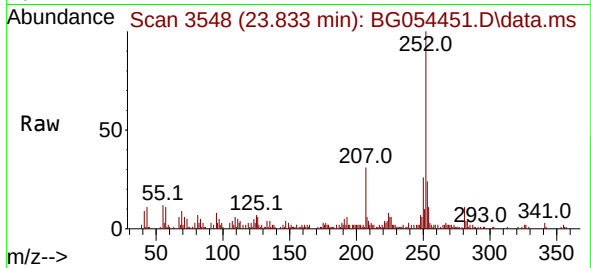




#89
Benzo(k)fluoranthene
Concen: 6.412 ng
RT: 23.833 min Scan# 31
Delta R.T. -0.054 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

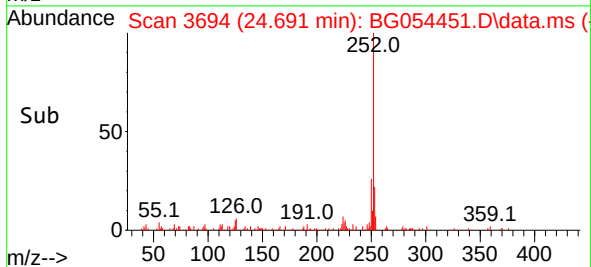
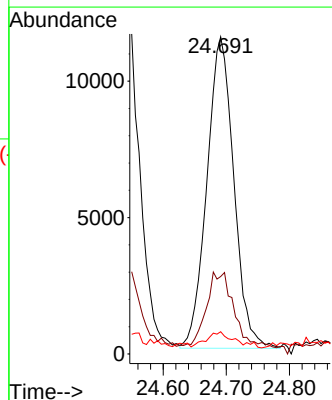
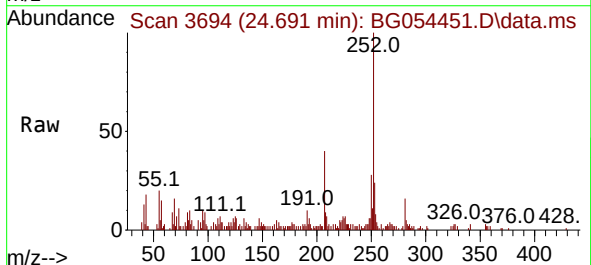
Instrument :
BNA_G
ClientSampleId :
RVE-42

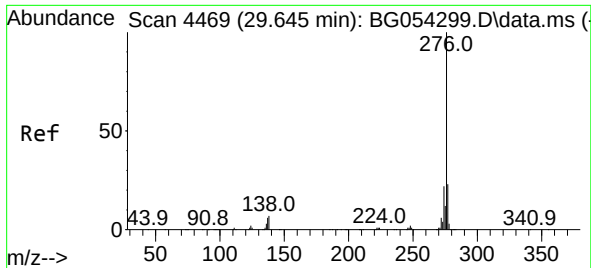
Tgt Ion:252 Resp: 59066
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 6.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 4.278 ng
RT: 24.691 min Scan# 3694
Delta R.T. 0.005 min
Lab File: BG054451.D
Acq: 29 Jul 2022 16:11

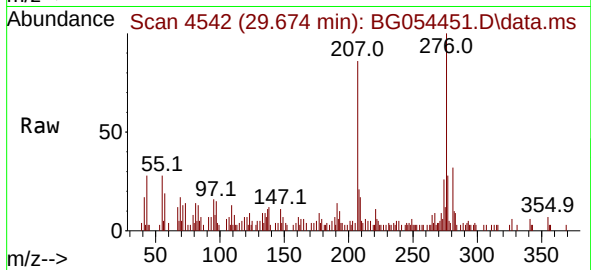
Tgt Ion:252 Resp: 33820
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 7.0 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.407 ng
 RT: 29.674 min Scan# 4
 Delta R.T. 0.011 min
 Lab File: BG054451.D
 Acq: 29 Jul 2022 16:11

Instrument :
 BNA_G
 ClientSampleId :
 RVE-42



Tgt Ion:	276	Resp:	32928
Ion Ratio	Lower	Upper	
276	100		
277	27.7	17.3	25.9#
138	11.5	9.6	14.4

