

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054487.D
 Acq On : 2 Aug 2022 17:32
 Operator : CG/JU
 Sample : N3894-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-34

Quant Time: Aug 03 04:14:14 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)

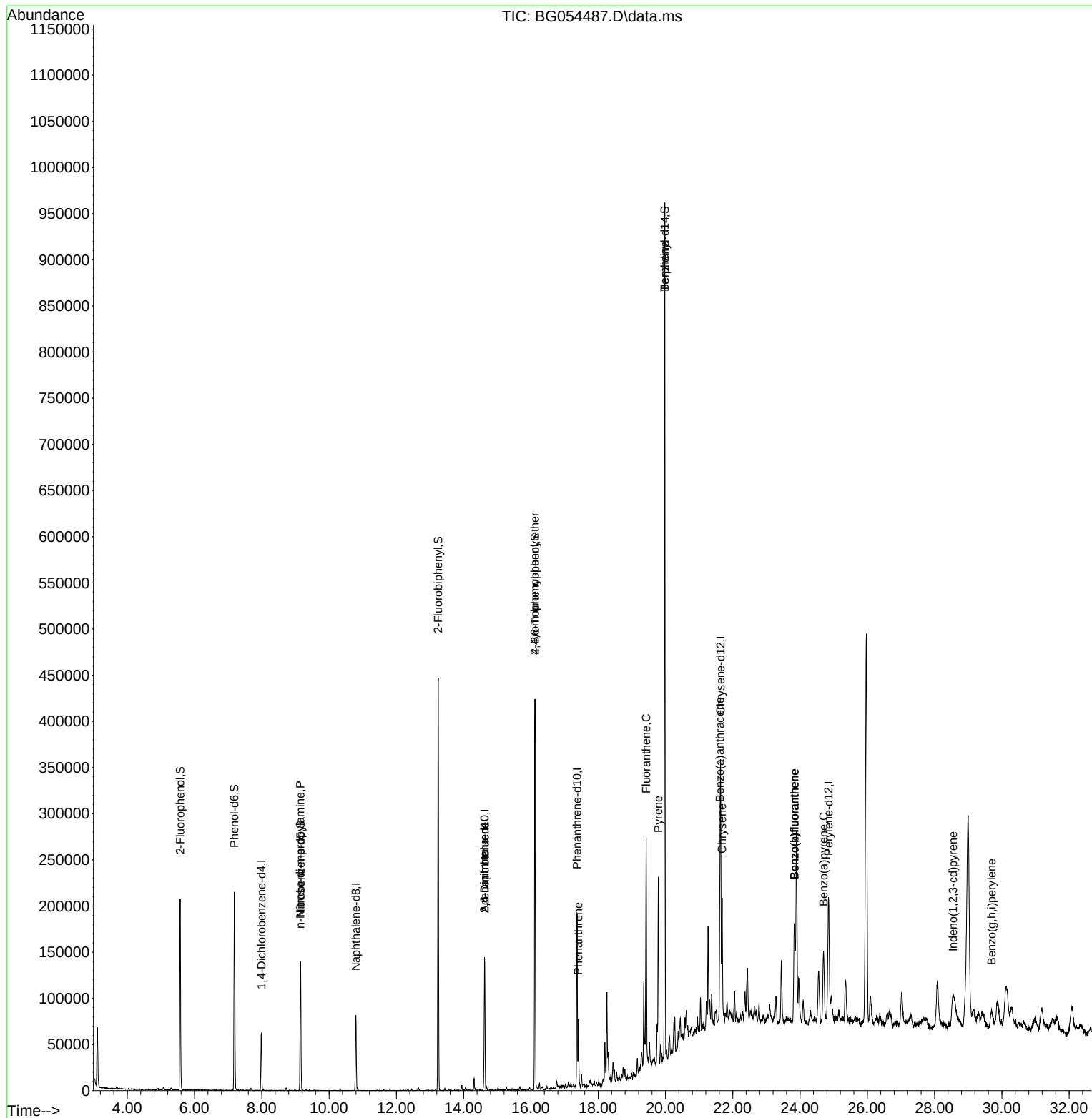
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	20084	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	75096	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	54990	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	133809	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	149889	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	160068	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	94871	98.626	ng	0.01
7) Phenol-d6	7.183	99	125923	95.535	ng	0.01
23) Nitrobenzene-d5	9.151	82	85608	62.080	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	110490	95.697	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	258942	66.428	ng	0.00
79) Terphenyl-d14	19.980	244	513349	67.942	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.189	77	58	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	12473	14.171	ng	# 78
51) 2,6-Dinitrotoluene	14.621	165	7823	8.304	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7823	5.792	ng	# 21
67) 4-Bromophenyl-phenylether	16.119	248	6362	3.385	ng	# 1
71) Phenanthrene	17.412	178	49643	7.450	ng	98
75) Fluoranthene	19.427	202	158818	17.484	ng	97
77) Benzidine	19.980	184	6721	2.476	ng	# 90
78) Pyrene	19.786	202	147946	17.202	ng	99
81) Benzo(a)anthracene	21.619	228	111670	11.736	ng	97
83) Chrysene	21.684	228	102799	11.436	ng	96
87) Indeno(1,2,3-cd)pyrene	28.546	276	63460	5.211	ng	# 94
88) Benzo(b)fluoranthene	23.834	252	153517	16.217	ng	# 98
89) Benzo(k)fluoranthene	23.834	252	153517	16.295	ng	# 98
90) Benzo(a)pyrene	24.698	252	104487	12.925	ng	98
92) Benzo(g,h,i)perylene	29.692	276	50349	5.095	ng	# 86

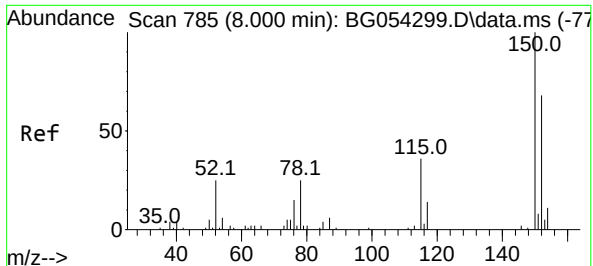
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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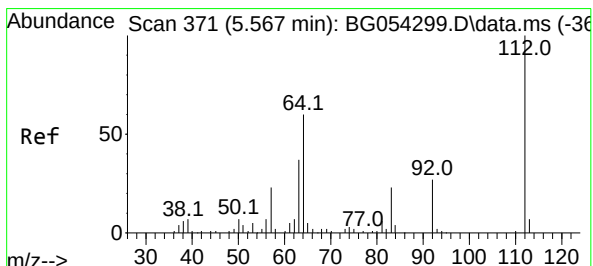
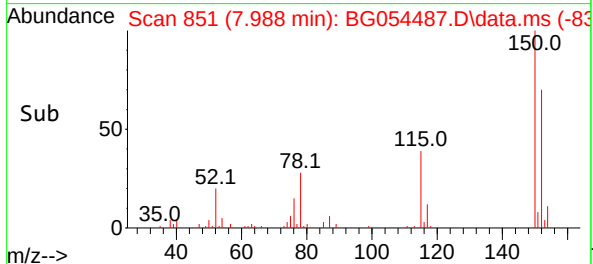
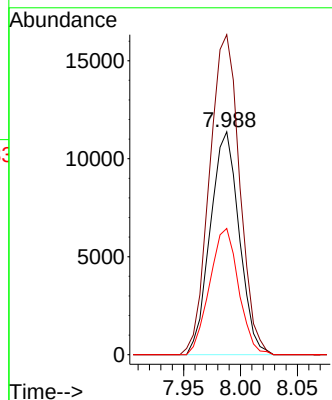
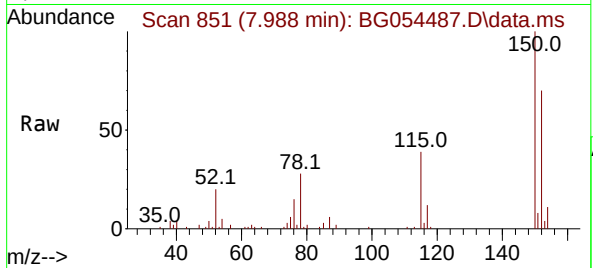




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

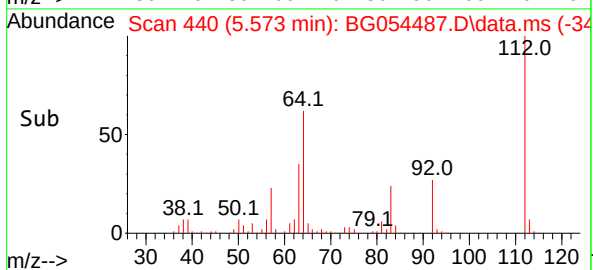
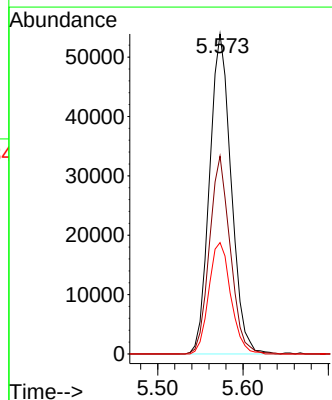
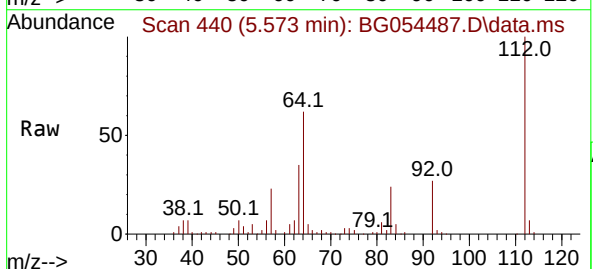
Instrument :
BNA_G
ClientSampleId :
RVE-34

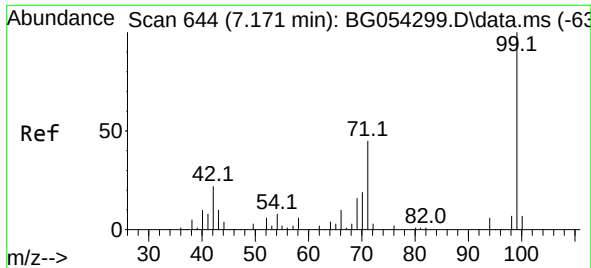
Tgt Ion:152 Resp: 20084
Ion Ratio Lower Upper
152 100
150 143.6 131.6 197.4
115 56.6 50.9 76.3



#5
2-Fluorophenol
Concen: 98.626 ng
RT: 5.573 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:112 Resp: 94871
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 34.8 30.4 45.6

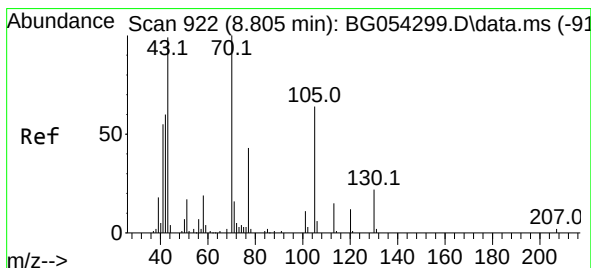
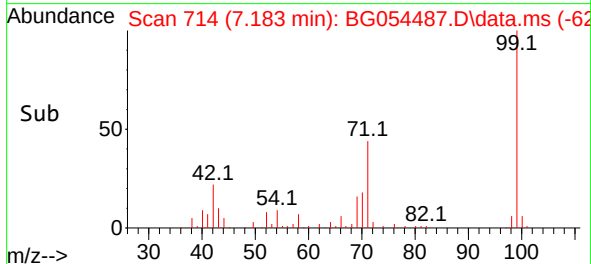
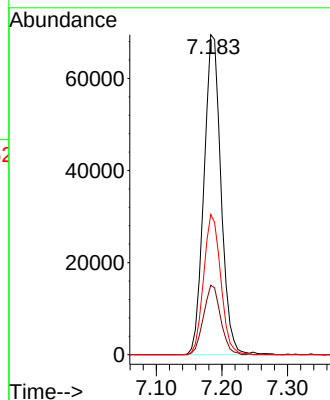
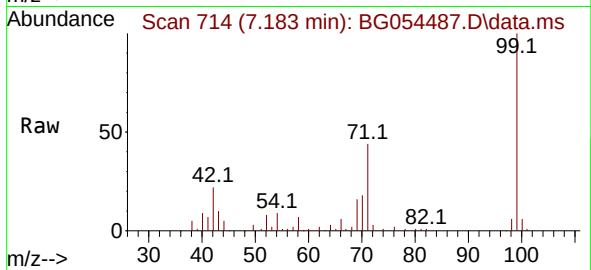




#7
Phenol-d6
Concen: 95.535 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

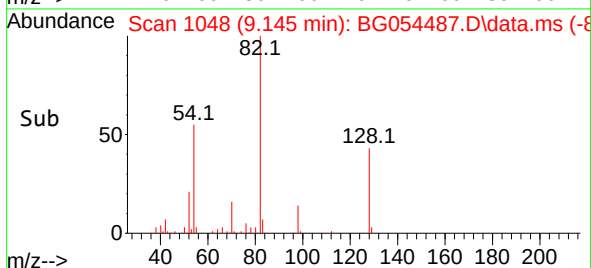
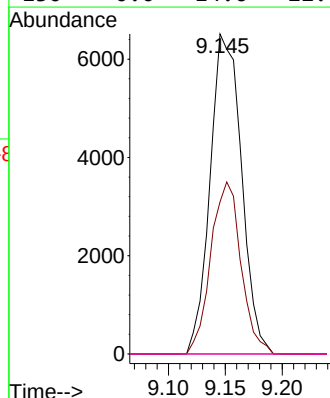
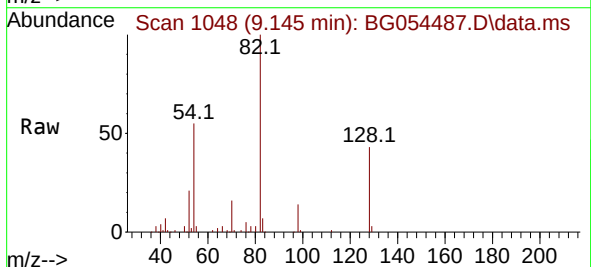
Instrument :
BNA_G
ClientSampleId :
RVE-34

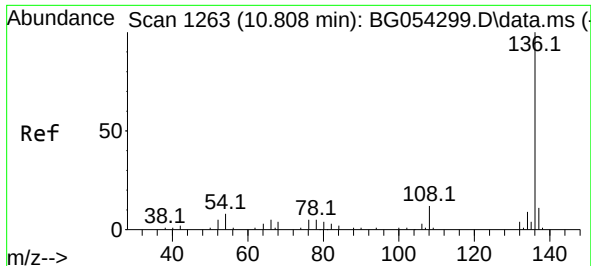
Tgt Ion: 99 Resp: 125923
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.171 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion: 70 Resp: 12473
Ion Ratio Lower Upper
70 100
42 47.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

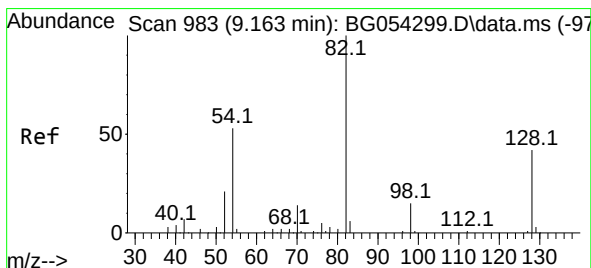
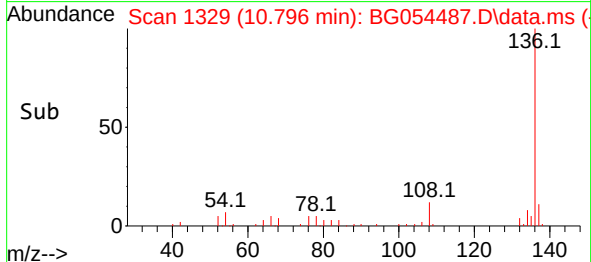
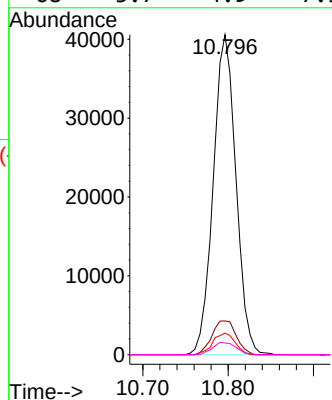
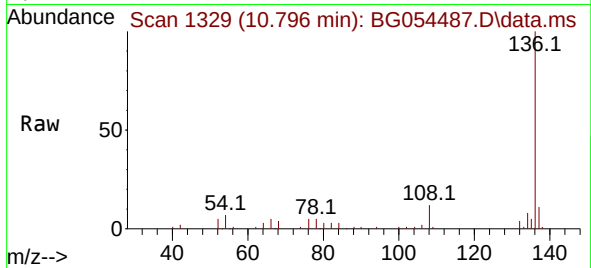




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

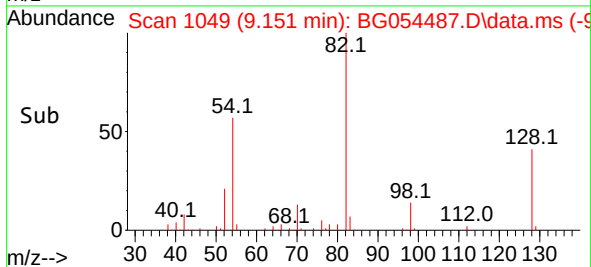
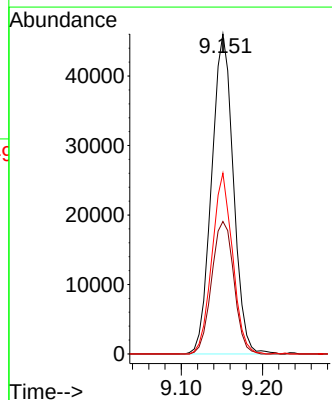
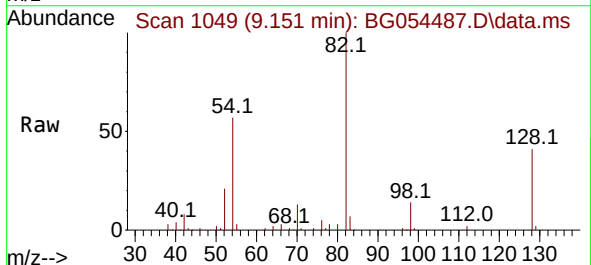
Instrument :
BNA_G
ClientSampleId :
RVE-34

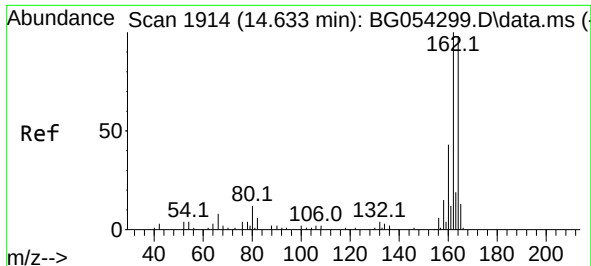
Tgt Ion:	136	Resp:	75096
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.8	7.4	11.2#
68	3.7	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 62.080 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:	82	Resp:	85608
Ion	Ratio	Lower	Upper
82	100		
128	41.4	27.9	41.9
54	56.5	41.2	61.8

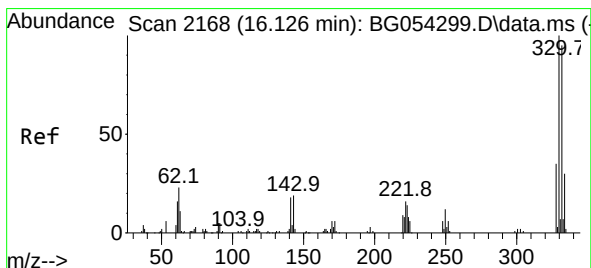
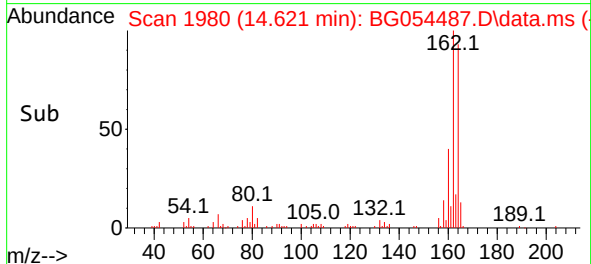
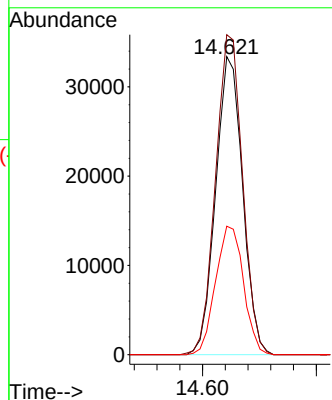
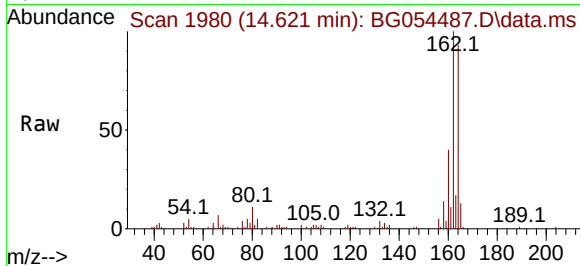




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

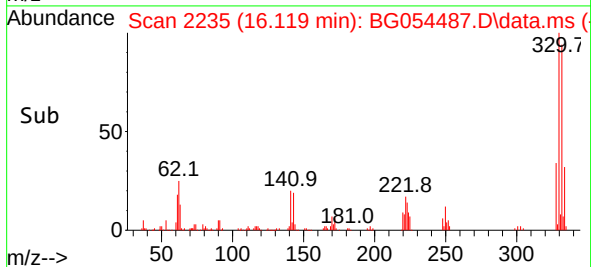
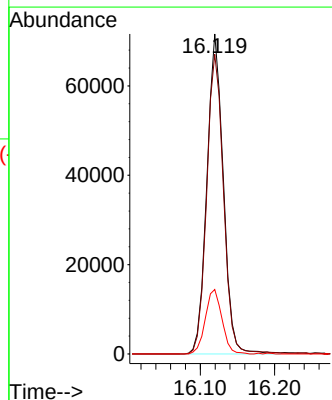
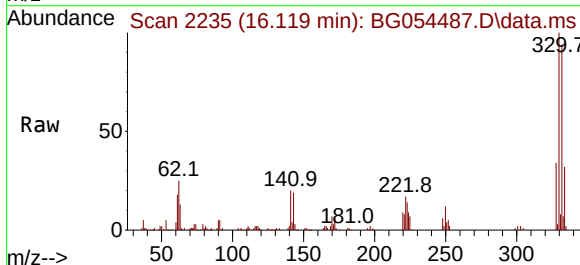
Instrument :
BNA_G
ClientSampleId :
RVE-34

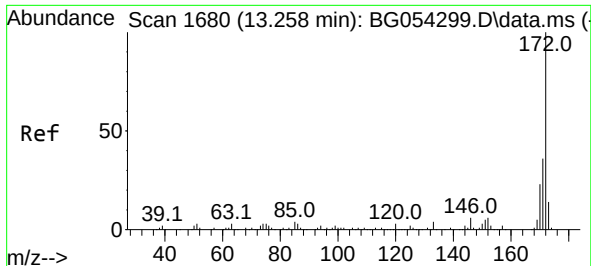
Tgt Ion:164 Resp: 54990
Ion Ratio Lower Upper
164 100
162 107.4 82.3 123.5
160 43.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 95.697 ng
RT: 16.119 min Scan# 2235
Delta R.T. 0.005 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:330 Resp: 110490
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 20.4 27.1 40.7#

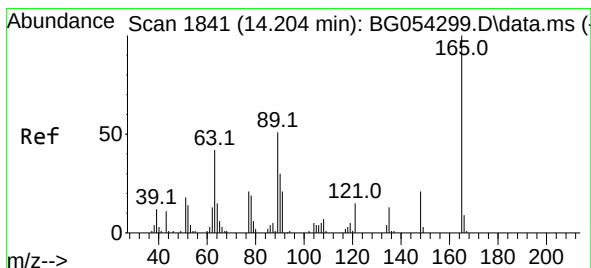
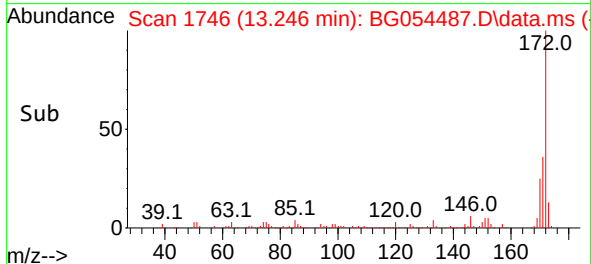
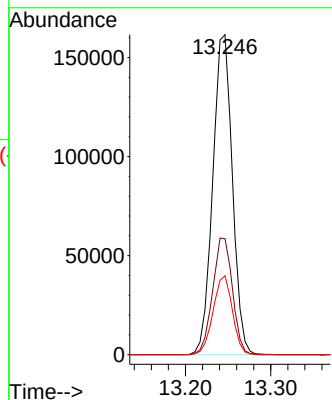
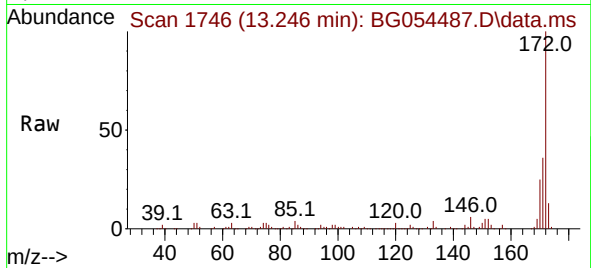




#45
2-Fluorobiphenyl
Concen: 66.428 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

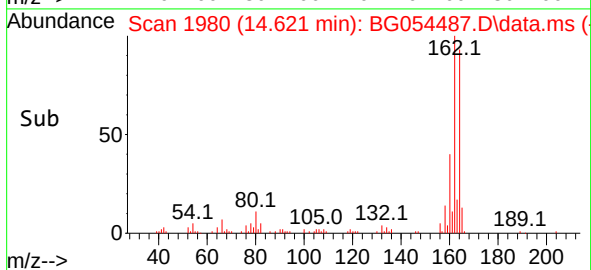
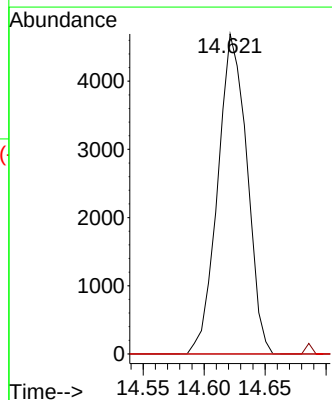
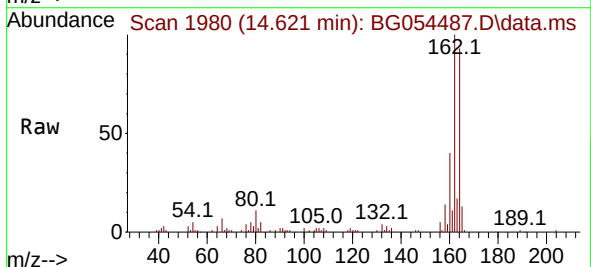
Instrument :
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ClientSampleId :
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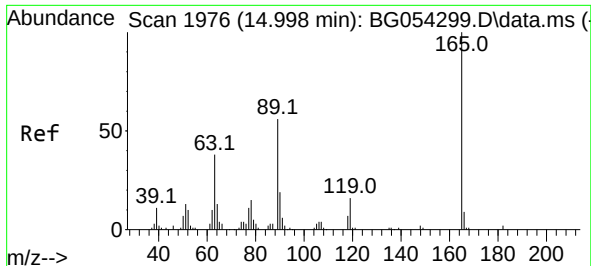
Tgt Ion:172 Resp: 258942
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.304 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:165 Resp: 7823
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: 5.792 ng

RT: 14.621 min Scan# 14

Delta R.T. -0.371 min

Lab File: BG054487.D

Acq: 2 Aug 2022 17:32

Instrument :

BNA_G

ClientSampleId :

RVE-34

Tgt Ion:165 Resp: 7823

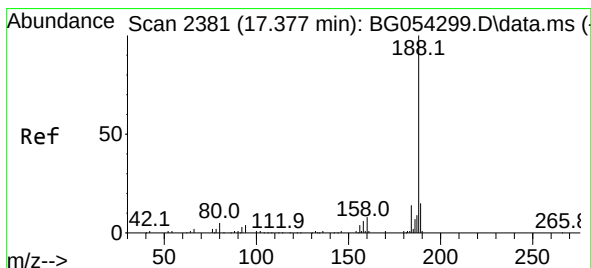
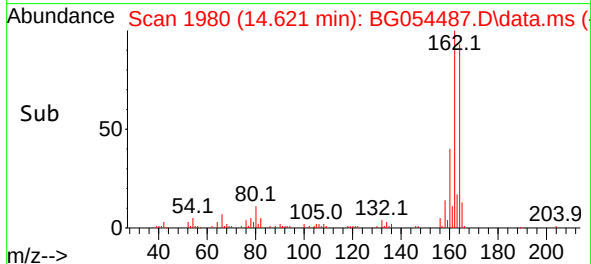
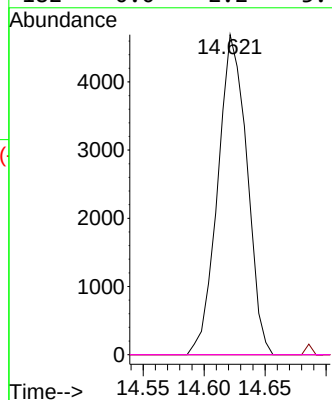
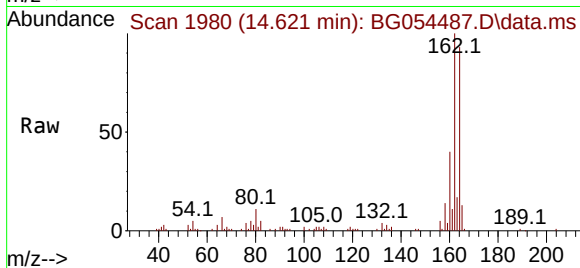
Ion Ratio Lower Upper

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: BG054487.D

Acq: 2 Aug 2022 17:32

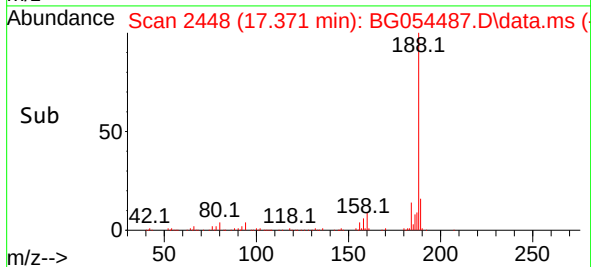
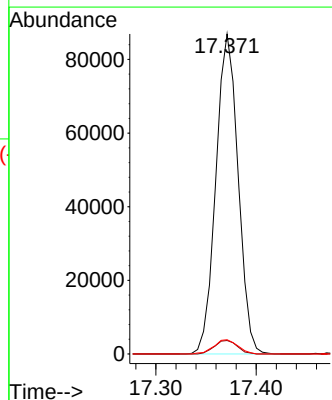
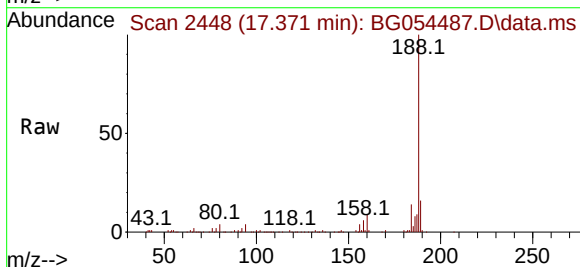
Tgt Ion:188 Resp: 133809

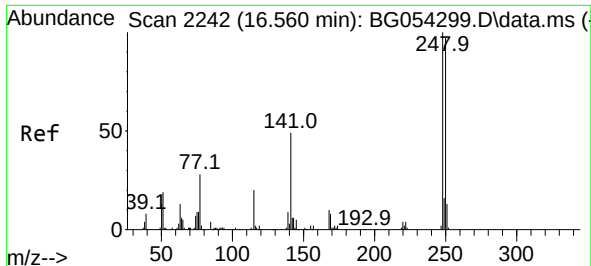
Ion Ratio Lower Upper

188 100

94 4.2 5.4 8.0#

80 4.5 6.8 10.2#

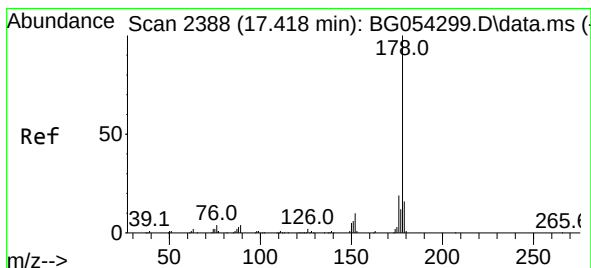
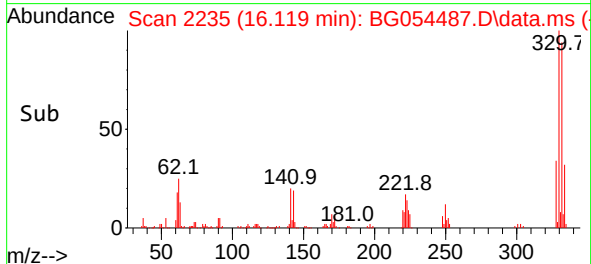
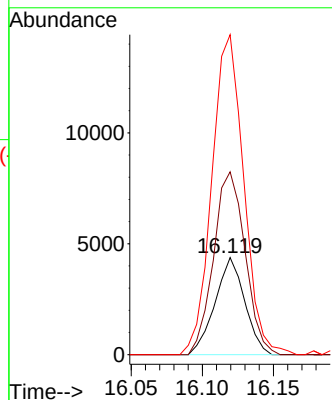
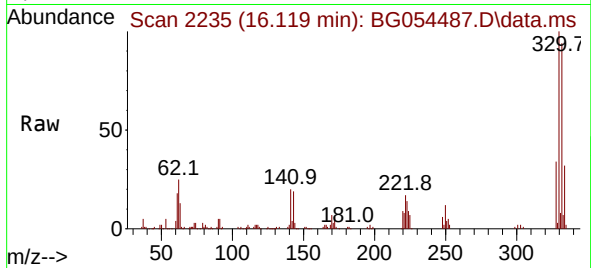




#67
4-Bromophenyl-phenylether
Concen: 3.385 ng
RT: 16.119 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

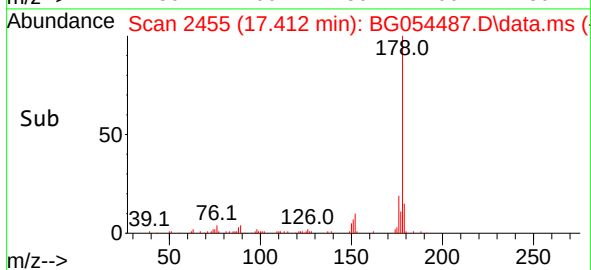
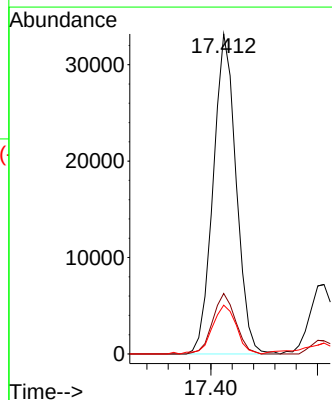
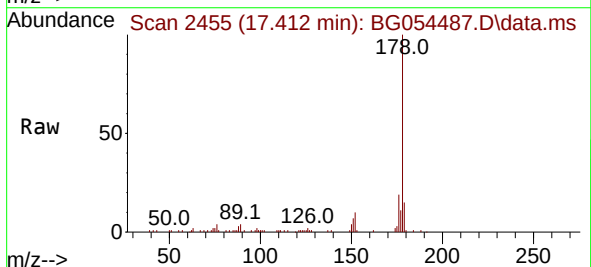
Instrument :
BNA_G
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RVE-34

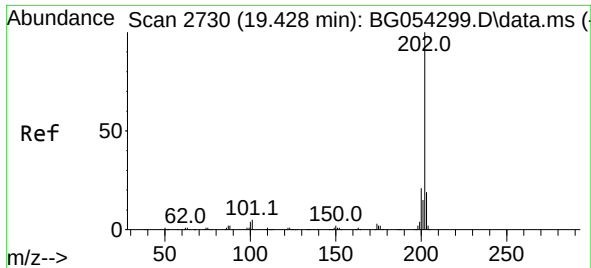
Tgt Ion:248 Resp: 6362
Ion Ratio Lower Upper
248 100
250 251.2 75.2 112.8#
141 329.5 50.0 75.0#



#71
Phenanthrene
Concen: 7.450 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:178 Resp: 49643
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 15.3 12.1 18.1

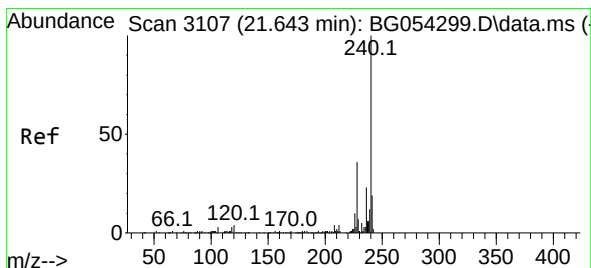
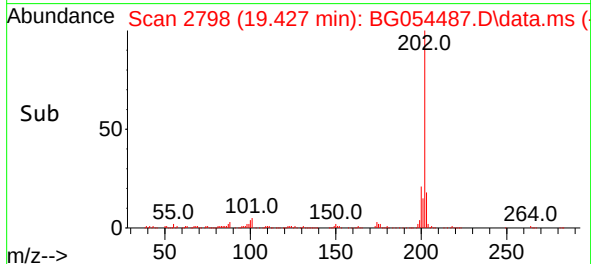
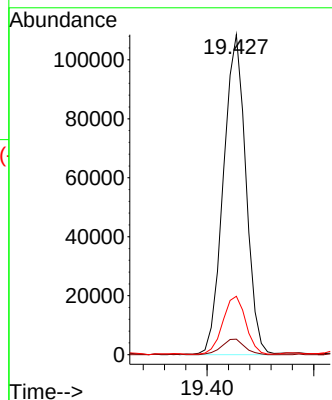
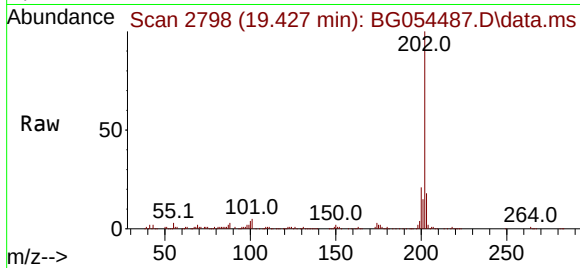




#75
Fluoranthene
Concen: 17.484 ng
RT: 19.427 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

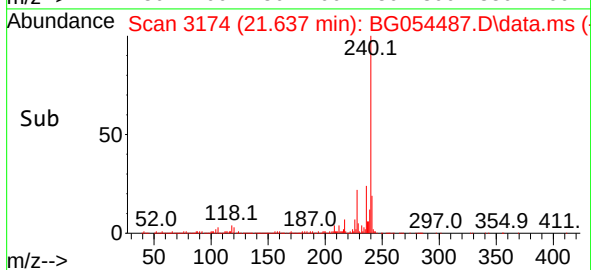
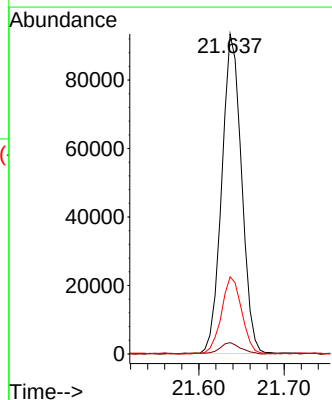
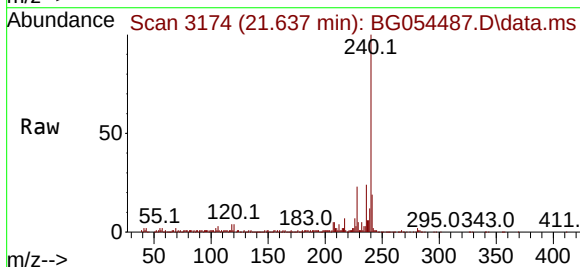
Instrument :
BNA_G
ClientSampleId :
RVE-34

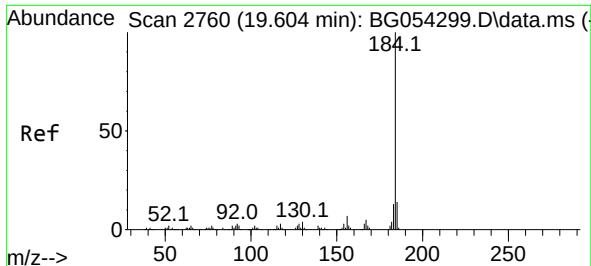
Tgt Ion:202 Resp: 158818
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 18.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:240 Resp: 149889
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.1 20.2 30.4

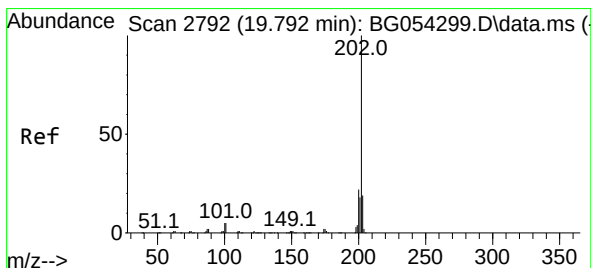
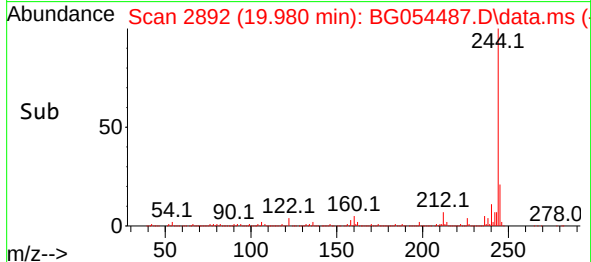
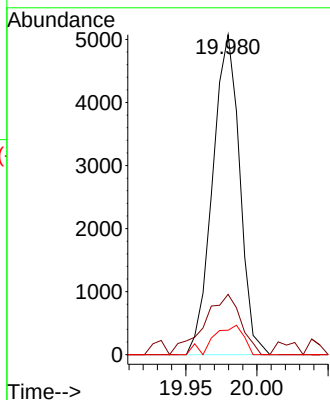
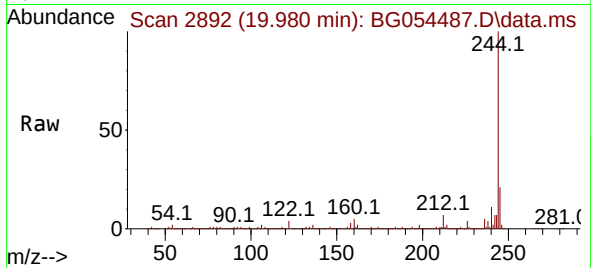




#77
Benzidine
Concen: 2.476 ng
RT: 19.980 min Scan# 21
Delta R.T. 0.381 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

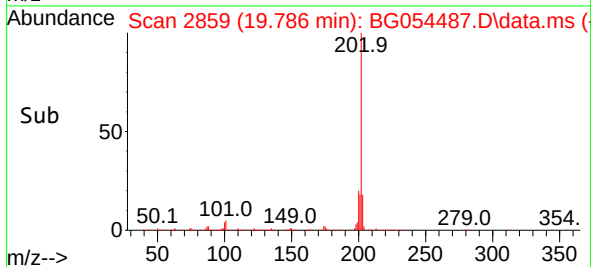
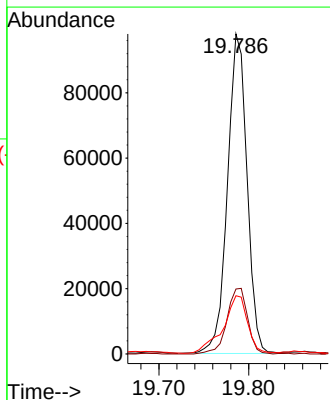
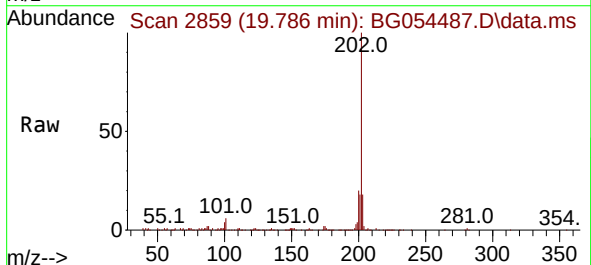
Instrument :
BNA_G
ClientSampleId :
RVE-34

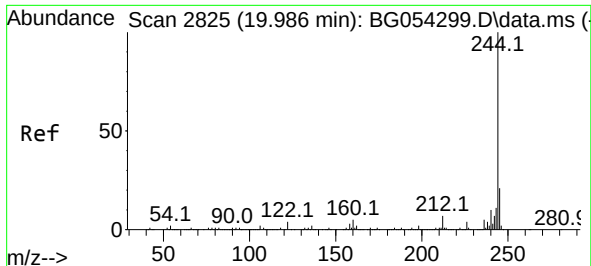
Tgt Ion:184 Resp: 6721
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.6#
183 7.7 8.9 13.3#



#78
Pyrene
Concen: 17.202 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:202 Resp: 147946
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 18.2 14.6 21.8

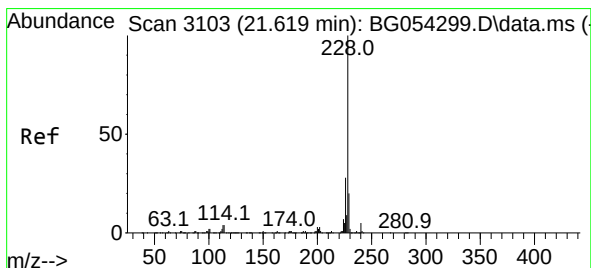
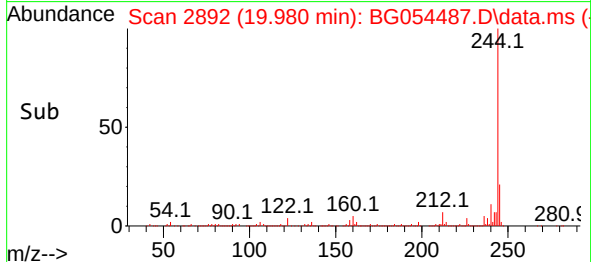
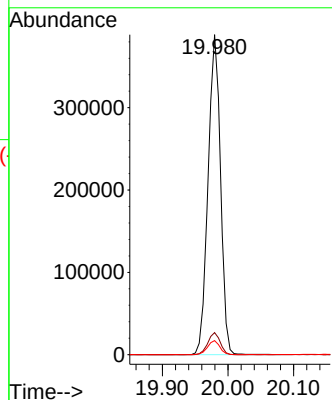
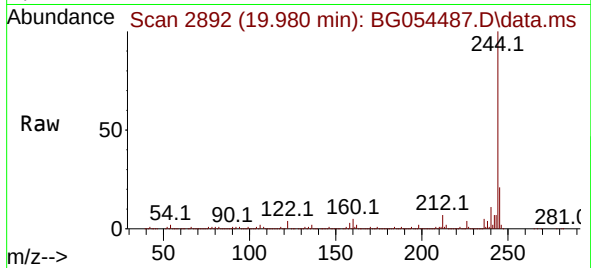




#79
 Terphenyl-d14
 Concen: 67.942 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054487.D
 Acq: 2 Aug 2022 17:32

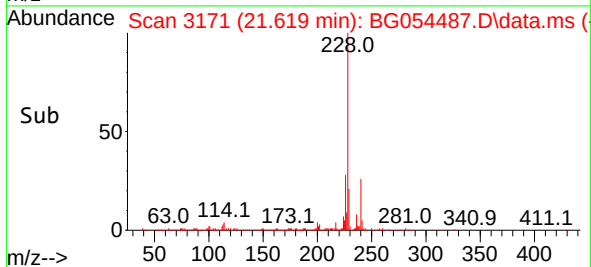
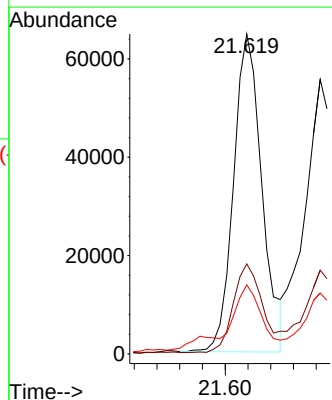
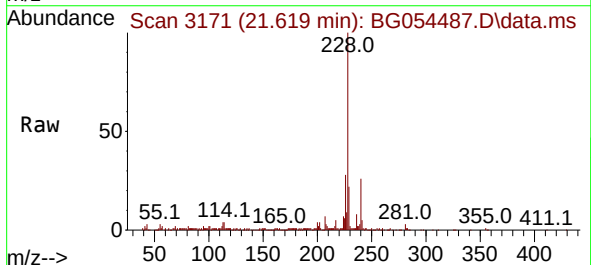
Instrument :
 BNA_G
 ClientSampleId :
 RVE-34

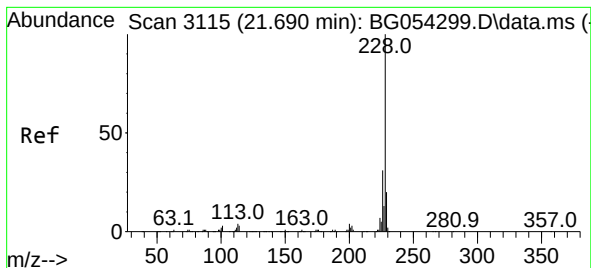
Tgt Ion:244 Resp: 513349
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 11.736 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054487.D
 Acq: 2 Aug 2022 17:32

Tgt Ion:228 Resp: 111670
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 21.6 16.2 24.2





#83

Chrysene

Concen: 11.436 ng

RT: 21.684 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BG054487.D

Acq: 2 Aug 2022 17:32

Instrument :

BNA_G

ClientSampleId :

RVE-34

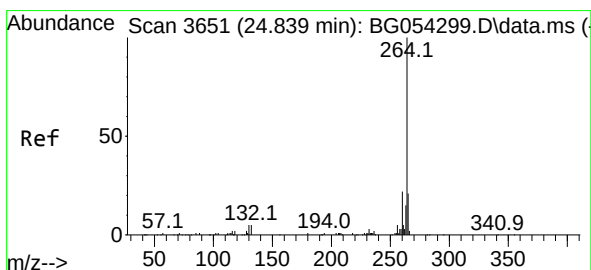
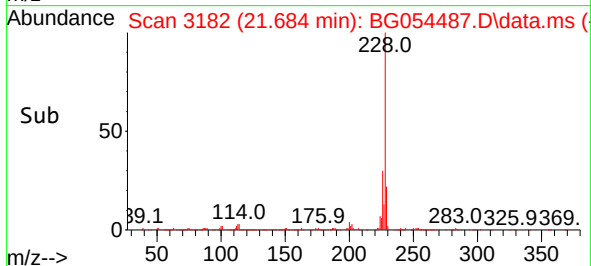
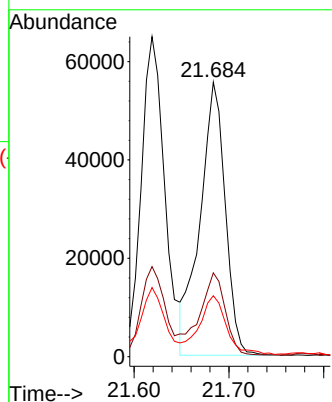
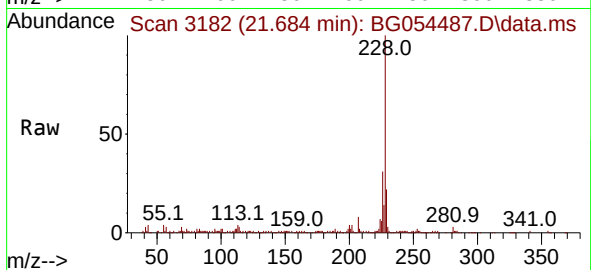
Tgt Ion:228 Resp: 102799

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

229 22.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.850 min Scan# 3721

Delta R.T. 0.017 min

Lab File: BG054487.D

Acq: 2 Aug 2022 17:32

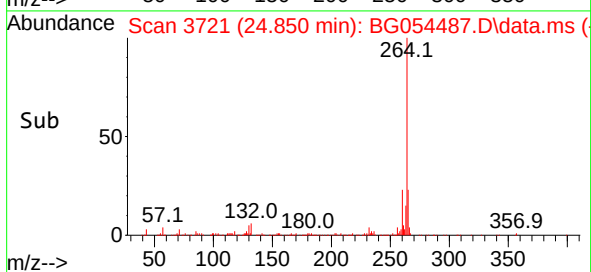
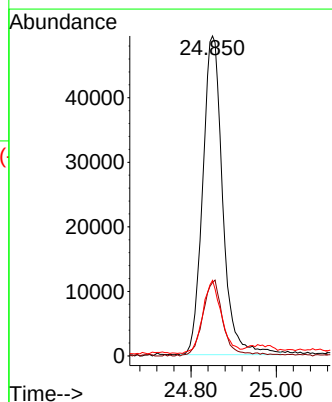
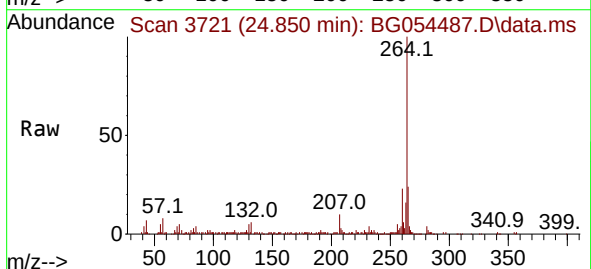
Tgt Ion:264 Resp: 160068

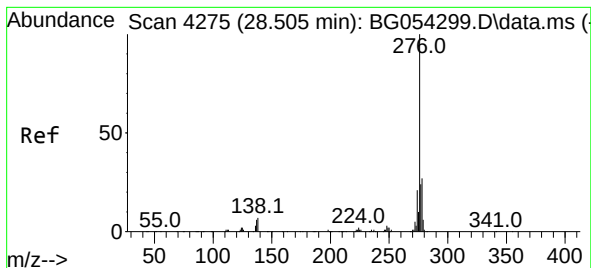
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 23.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.211 ng

RT: 28.546 min Scan# 41

Delta R.T. 0.029 min

Lab File: BG054487.D

Acq: 2 Aug 2022 17:32

Instrument :

BNA_G

ClientSampleId :

RVE-34

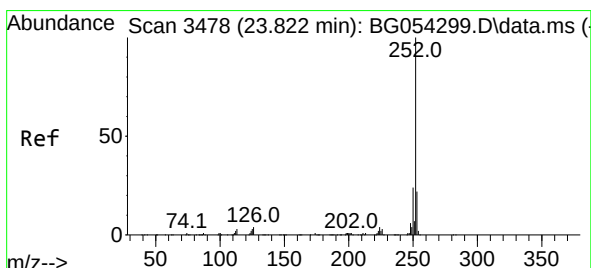
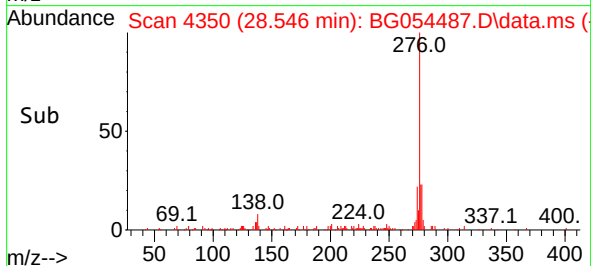
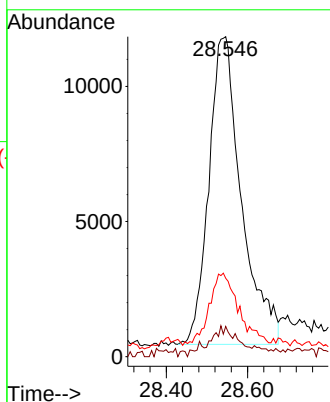
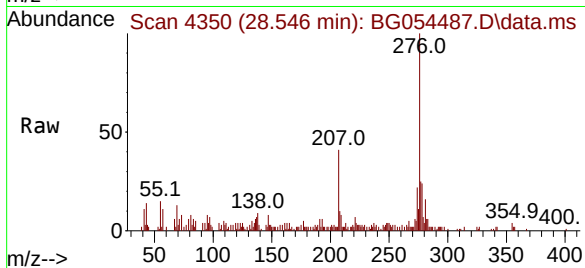
Tgt Ion:276 Resp: 63460

Ion Ratio Lower Upper

276 100

138 4.5 5.0 7.4#

277 22.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 16.217 ng

RT: 23.834 min Scan# 3548

Delta R.T. 0.011 min

Lab File: BG054487.D

Acq: 2 Aug 2022 17:32

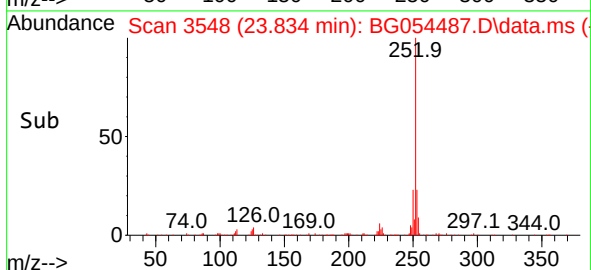
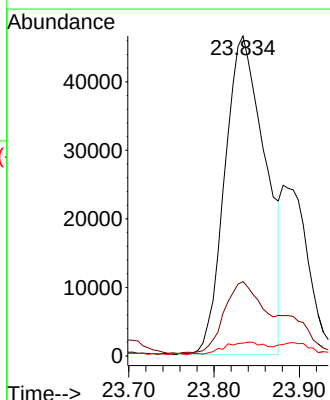
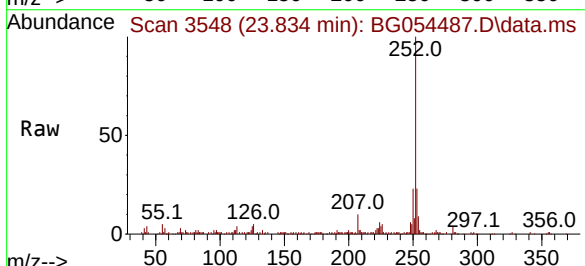
Tgt Ion:252 Resp: 153517

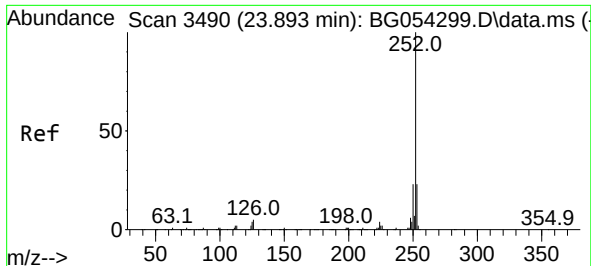
Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 4.0 4.6 6.8#

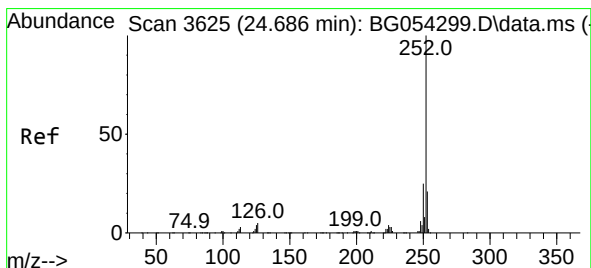
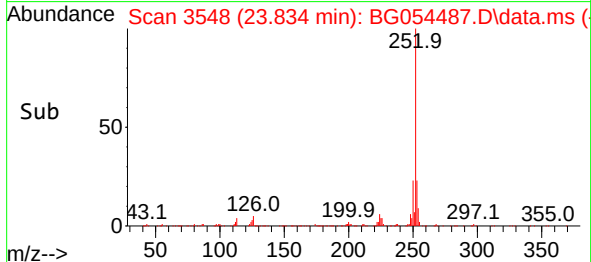
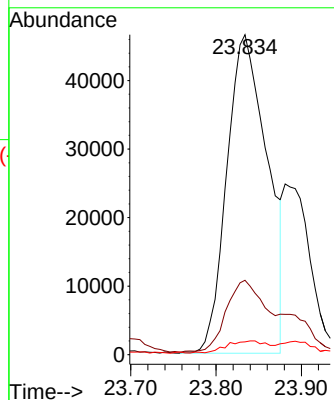
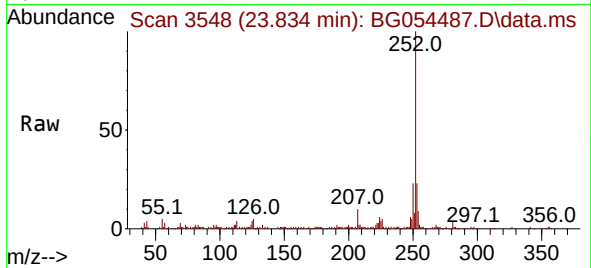




#89
Benzo(k)fluoranthene
Concen: 16.295 ng
RT: 23.834 min Scan# 31
Delta R.T. -0.053 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

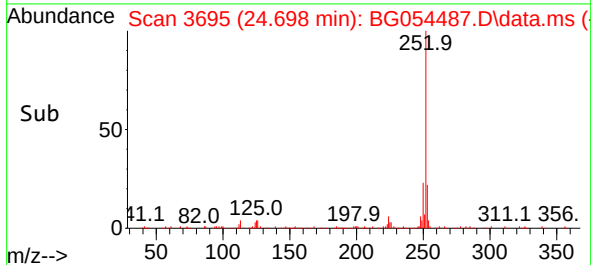
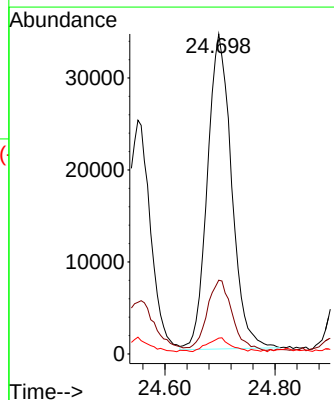
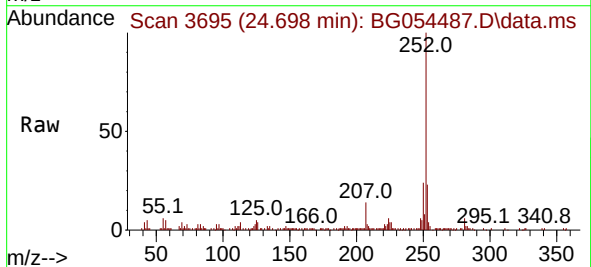
Instrument :
BNA_G
ClientSampleId :
RVE-34

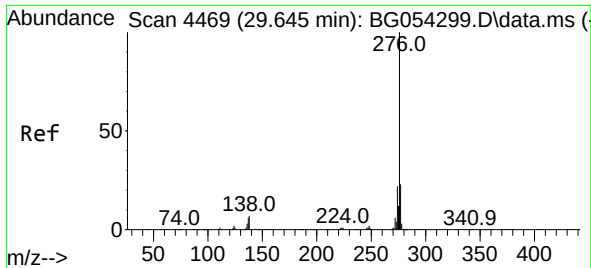
Tgt Ion:252 Resp: 153517
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 4.0 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 12.925 ng
RT: 24.698 min Scan# 3695
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

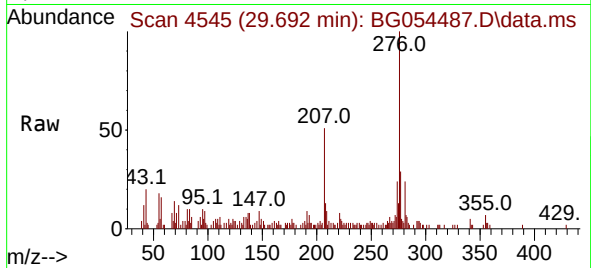
Tgt Ion:252 Resp: 104487
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 4.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 5.095 ng
 RT: 29.692 min Scan# 4
 Delta R.T. 0.029 min
 Lab File: BG054487.D
 Acq: 2 Aug 2022 17:32

Instrument :
 BNA_G
 ClientSampleId :
 RVE-34



Tgt Ion:276 Resp: 50349
 Ion Ratio Lower Upper
 276 100
 277 29.1 17.3 25.9#
 138 8.4 9.6 14.4#

