

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054452.D
 Acq On : 29 Jul 2022 16:53
 Operator : CG/JU
 Sample : N3895-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-44

Quant Time: Jul 30 03:18:30 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)

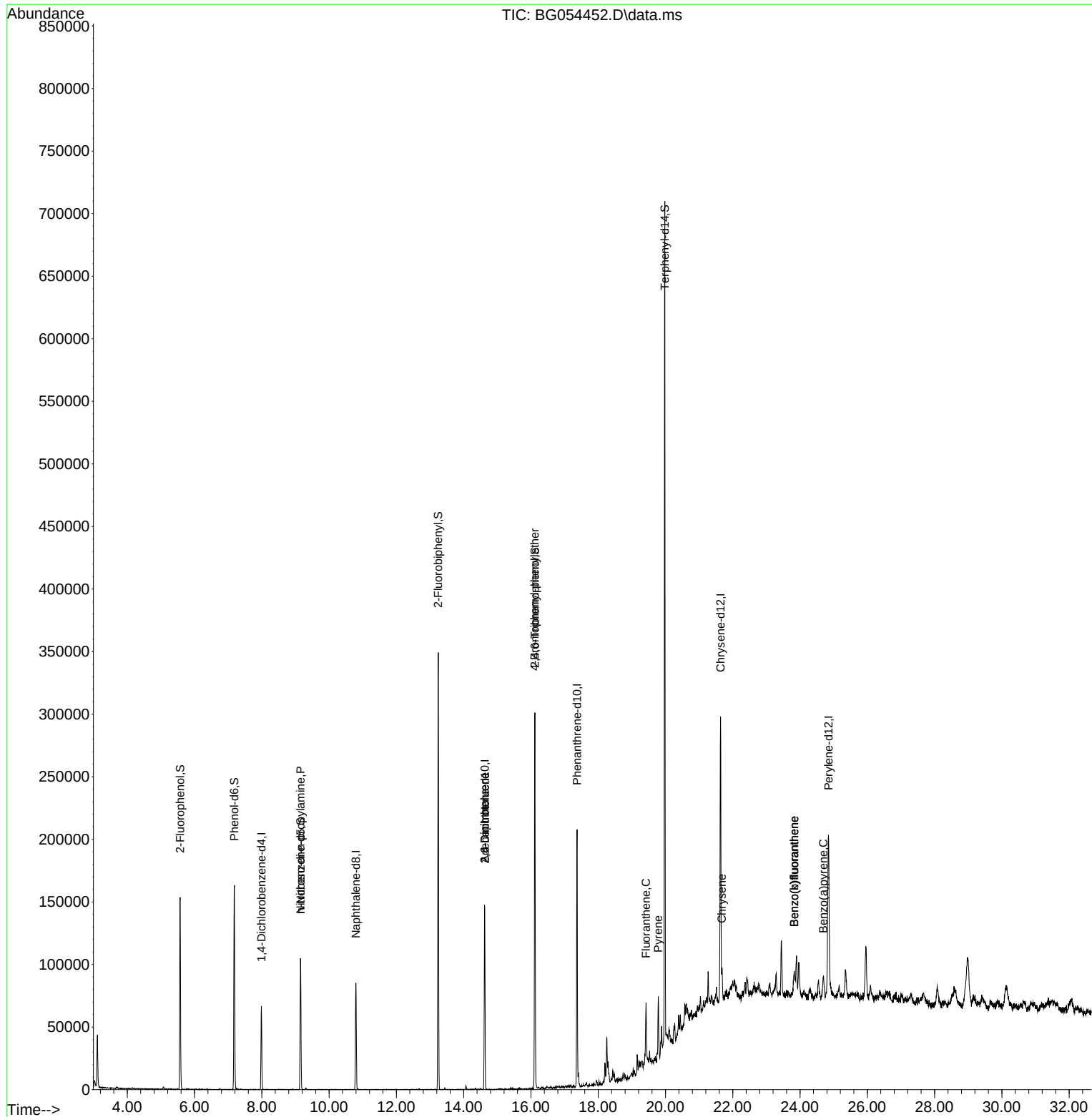
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	20742	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	79974	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	59443	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	142631	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	155637	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	168812	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	71362	71.833	ng	0.01
7) Phenol-d6	7.183	99	95176	69.917	ng	0.01
23) Nitrobenzene-d5	9.151	82	64927	44.211	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	84972	68.082	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	200347	47.546	ng	0.00
79) Terphenyl-d14	19.979	244	385335	49.116	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.151	70	9134	10.048	ng	# 81
51) 2,6-Dinitrotoluene	14.627	165	8085	7.939	ng	# 16
57) 2,4-Dinitrotoluene	14.627	165	8085	5.538	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	5422	2.707	ng	# 1
75) Fluoranthene	19.421	202	23534	2.431	ng	95
78) Pyrene	19.785	202	33346	3.734	ng	96
83) Chrysene	21.677	228	20604	2.207	ng	95
88) Benzo(b)fluoranthene	23.828	252	25738	2.578	ng	# 96
89) Benzo(k)fluoranthene	23.828	252	25738	2.590	ng	# 97
90) Benzo(a)pyrene	24.691	252	17388	2.039	ng	# 89

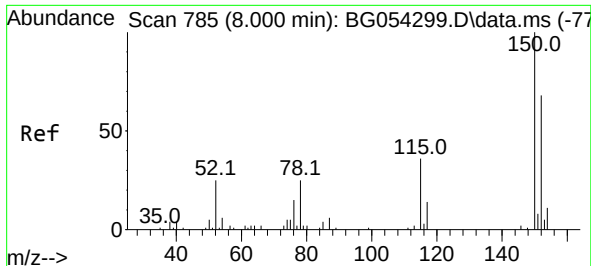
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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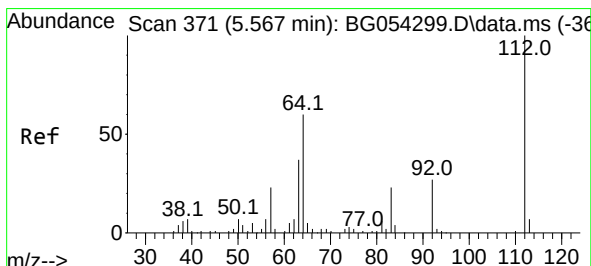
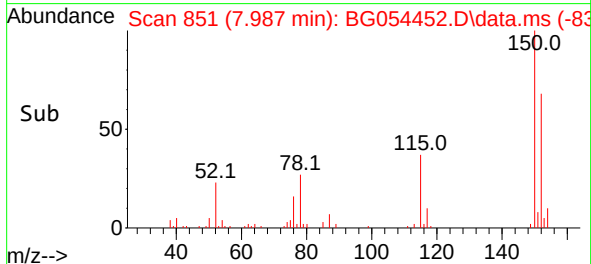
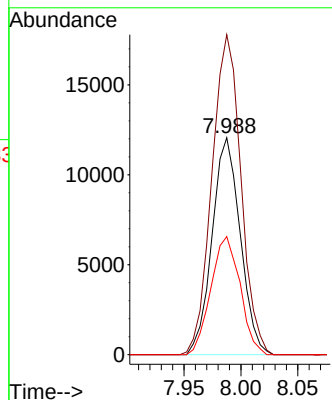
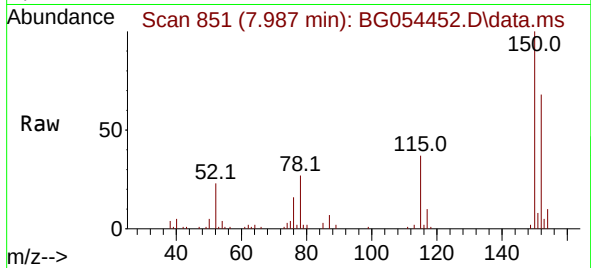




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

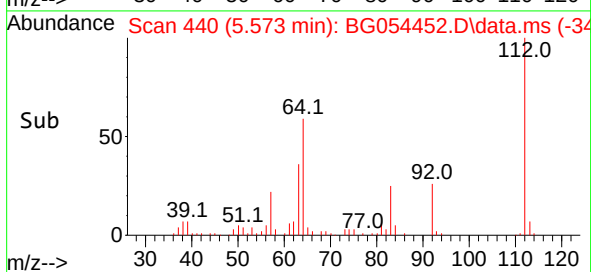
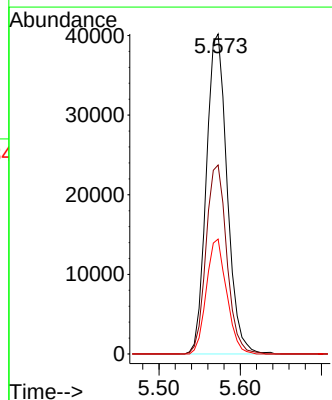
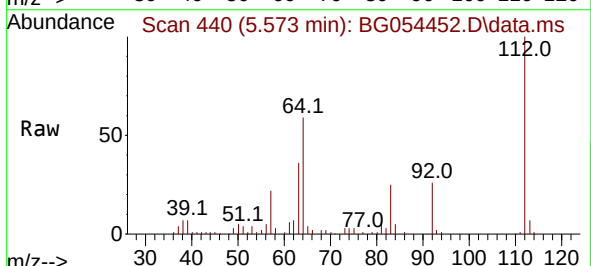
Instrument :
BNA_G
ClientSampleId :
RVE-44

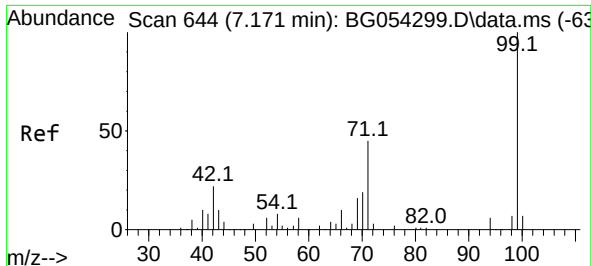
Tgt Ion:152 Resp: 20742
Ion Ratio Lower Upper
152 100
150 147.5 131.6 197.4
115 54.4 50.9 76.3



#5
2-Fluorophenol
Concen: 71.833 ng
RT: 5.573 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion:112 Resp: 71362
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 35.9 30.4 45.6

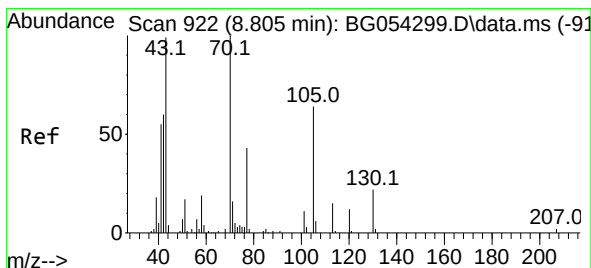
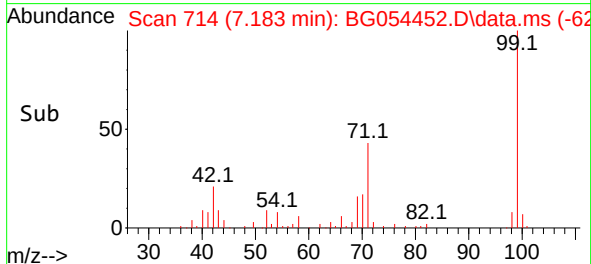
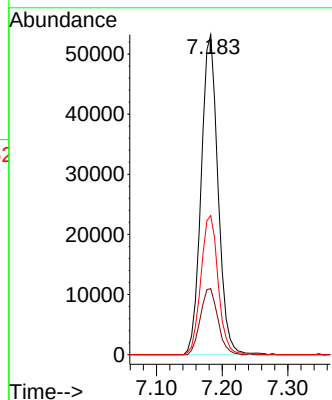
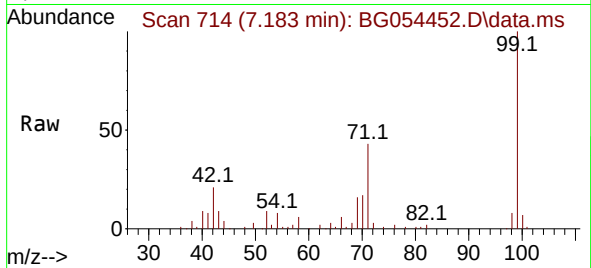




#7
Phenol-d6
Concen: 69.917 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

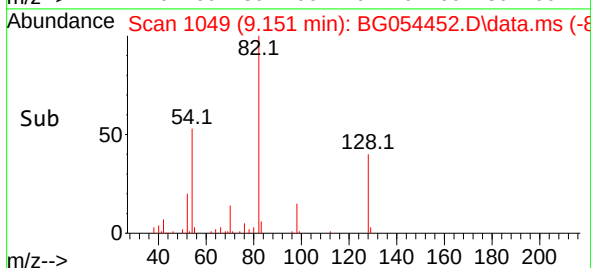
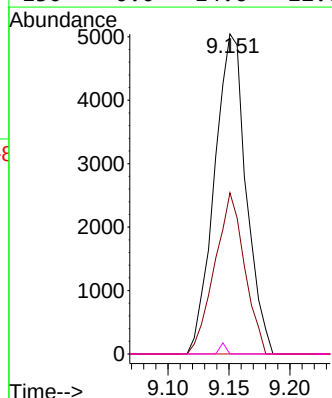
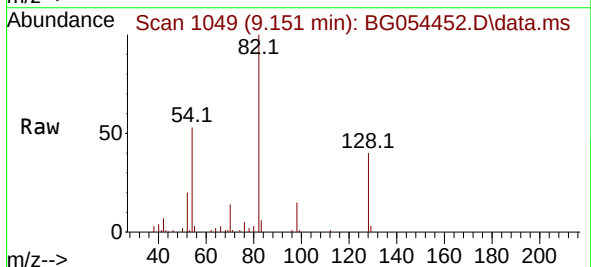
Instrument :
BNA_G
ClientSampleId :
RVE-44

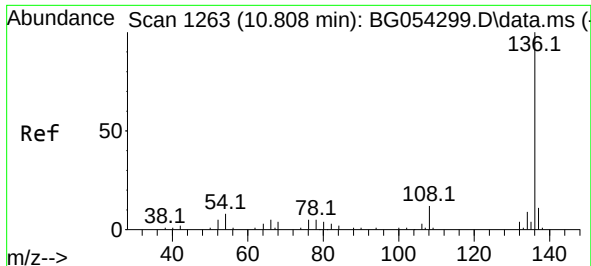
Tgt Ion: 99 Resp: 95176
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.048 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion: 70 Resp: 9134
Ion Ratio Lower Upper
70 100
42 50.4 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

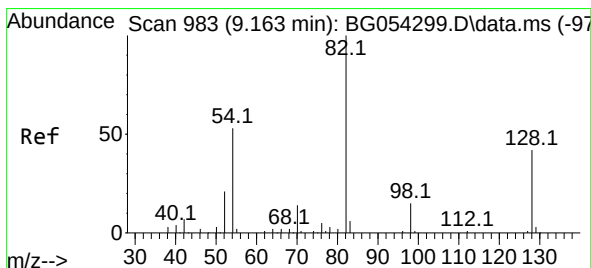
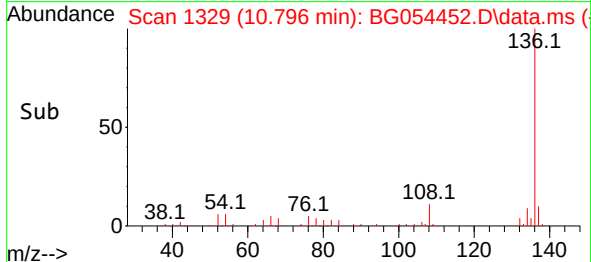
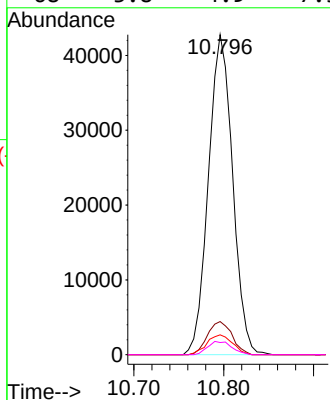
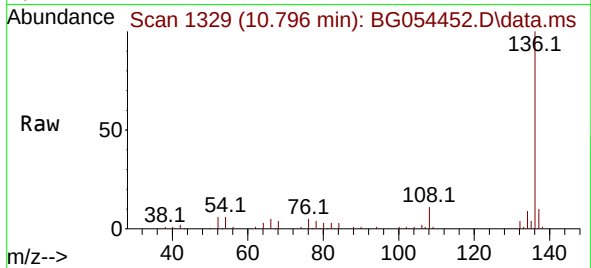




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

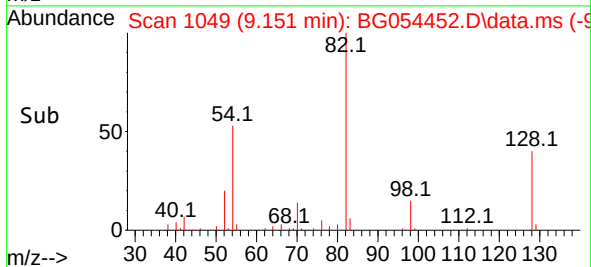
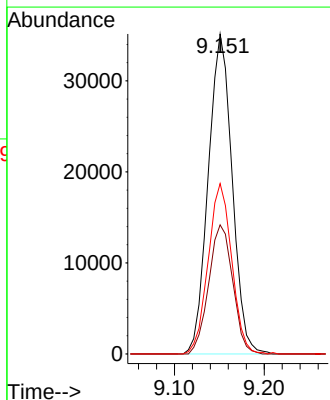
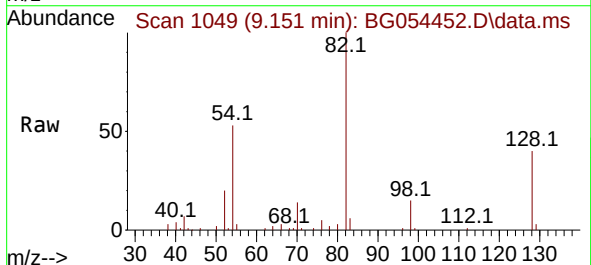
Instrument :
BNA_G
ClientSampleId :
RVE-44

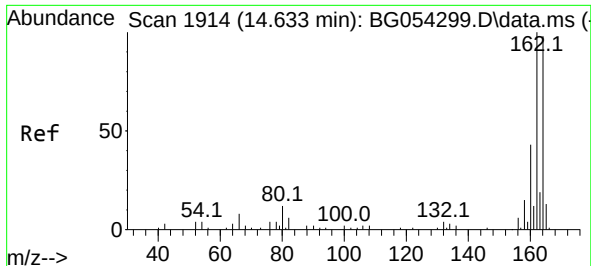
Tgt Ion:	136	Resp:	79974
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	6.2	7.4	11.2#
68	3.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 44.211 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion:	82	Resp:	64927
Ion Ratio	Lower	Upper	
82	100		
128	40.4	27.9	41.9
54	53.2	41.2	61.8

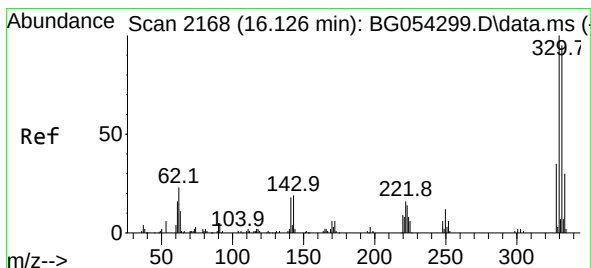
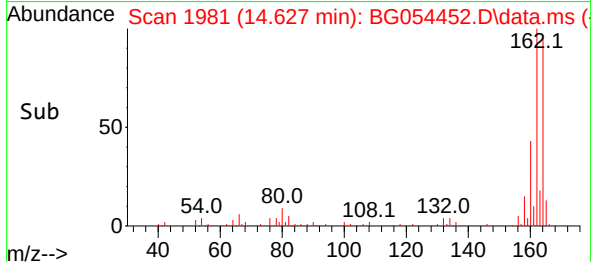
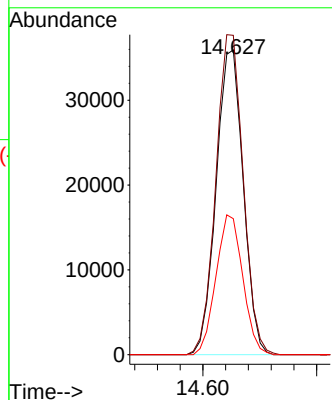
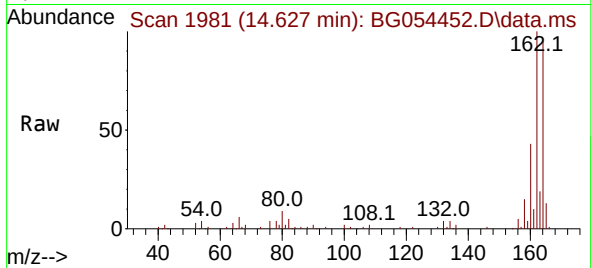




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.627 min Scan# 1914
 Delta R.T. 0.005 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

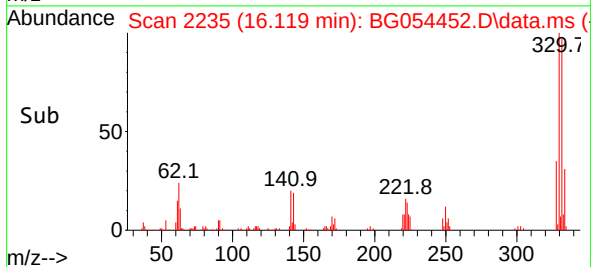
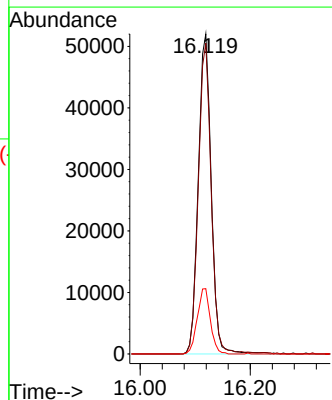
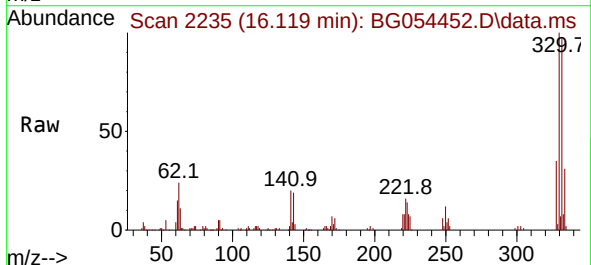
Instrument :
 BNA_G
 ClientSampleId :
 RVE-44

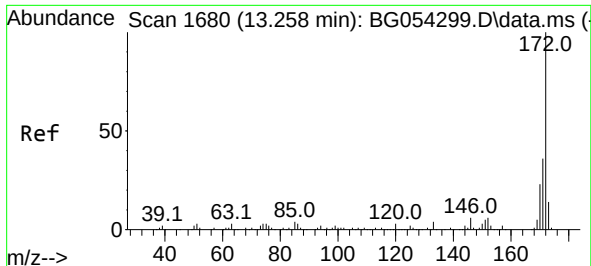
Tgt Ion:164 Resp: 59443
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.3 123.5
 160 44.6 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 68.082 ng
 RT: 16.119 min Scan# 2235
 Delta R.T. 0.005 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

Tgt Ion:330 Resp: 84972
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.0 114.0
 141 20.6 27.1 40.7#

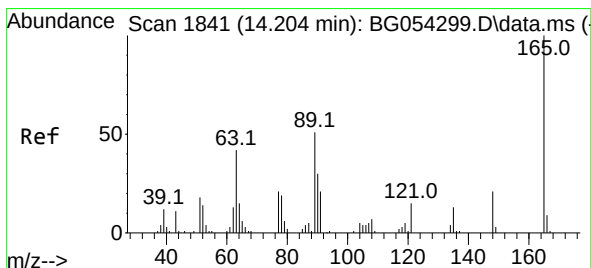
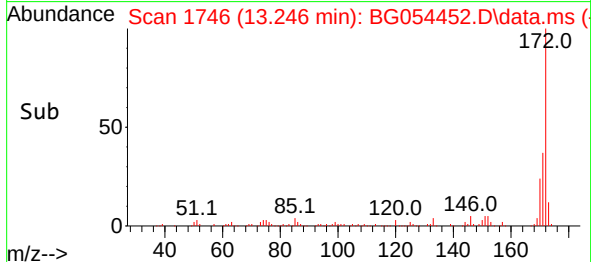
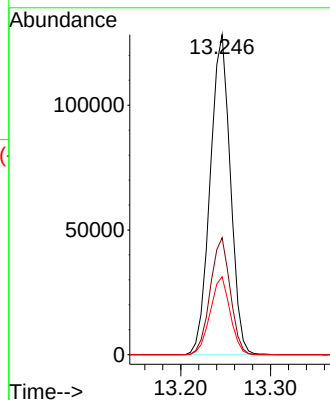
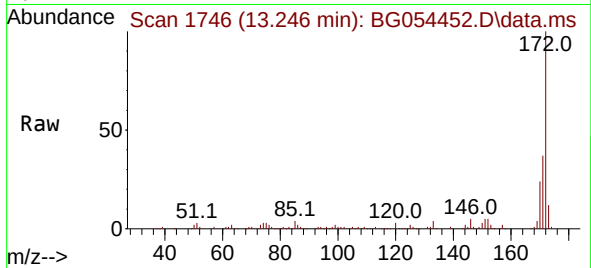




#45
 2-Fluorobiphenyl
 Concen: 47.546 ng
 RT: 13.246 min Scan# 1
 Delta R.T. -0.001 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

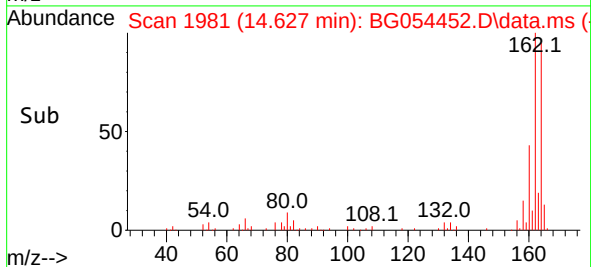
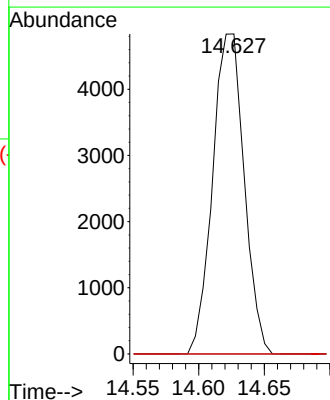
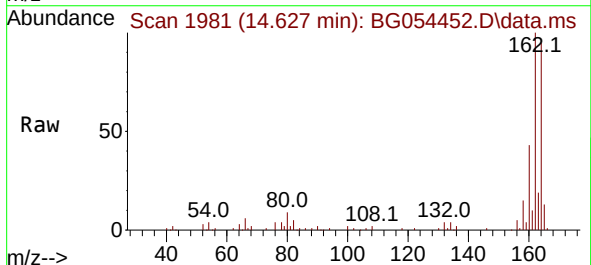
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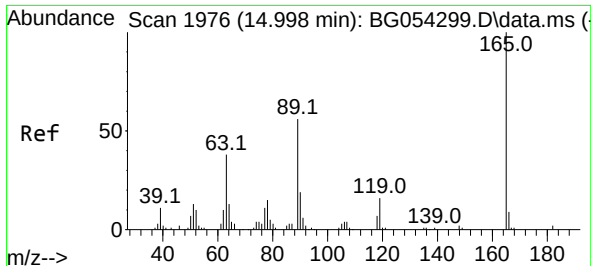
Tgt Ion:172 Resp: 200347
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.5 42.7
 170 24.4 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 7.939 ng
 RT: 14.627 min Scan# 1981
 Delta R.T. 0.428 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

Tgt Ion:165 Resp: 8085
 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: 5.538 ng

RT: 14.627 min Scan# 14

Delta R.T. -0.365 min

Lab File: BG054452.D

Acq: 29 Jul 2022 16:53

Instrument :

BNA_G

ClientSampleId :

RVE-44

Tgt Ion:165 Resp: 8085

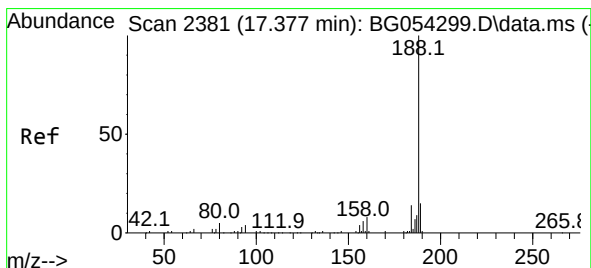
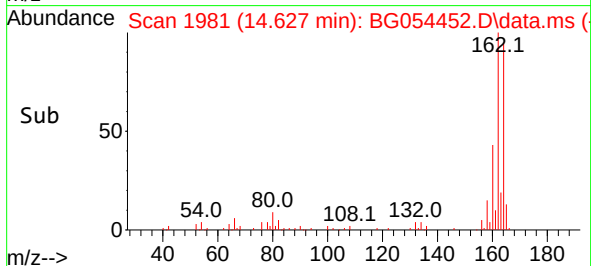
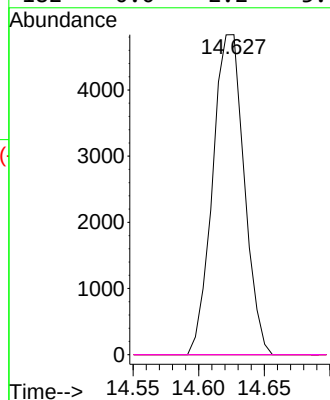
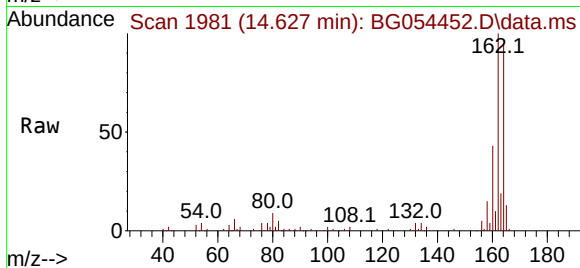
Ion Ratio Lower Upper

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: BG054452.D

Acq: 29 Jul 2022 16:53

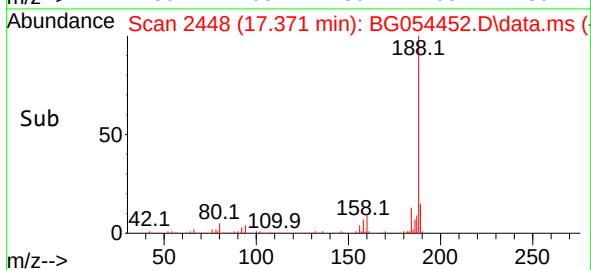
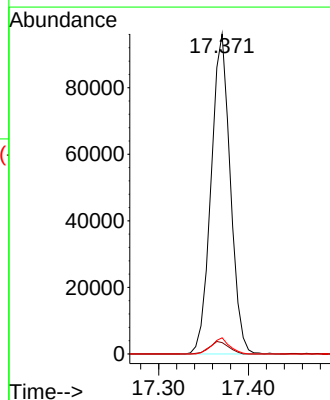
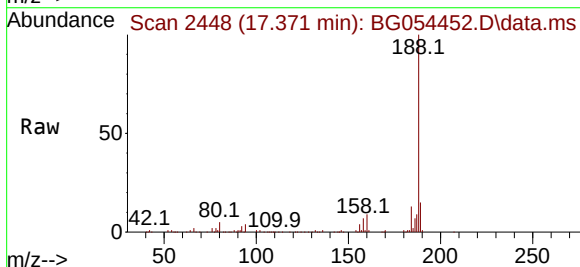
Tgt Ion:188 Resp: 142631

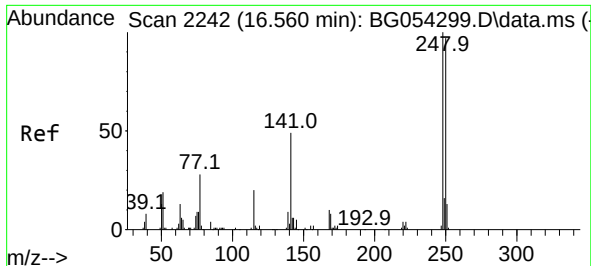
Ion Ratio Lower Upper

188 100

94 3.6 5.4 8.0#

80 5.1 6.8 10.2#

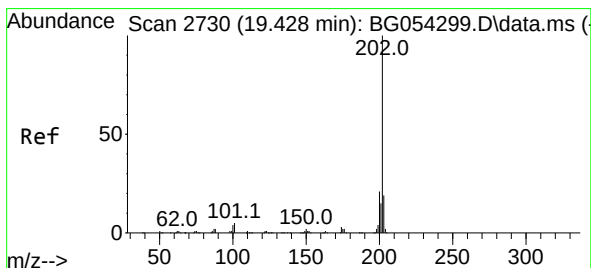
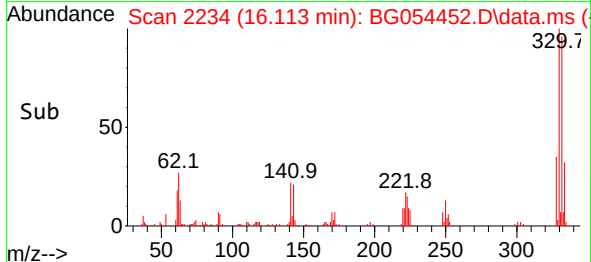
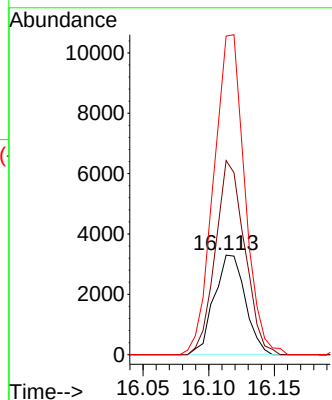
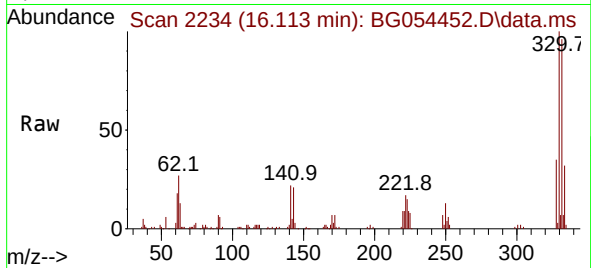




#67
4-Bromophenyl-phenylether
Concen: 2.707 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

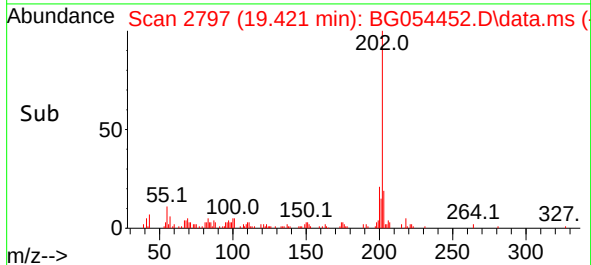
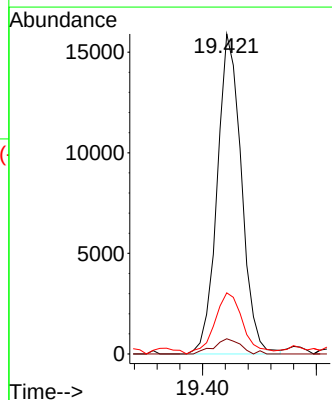
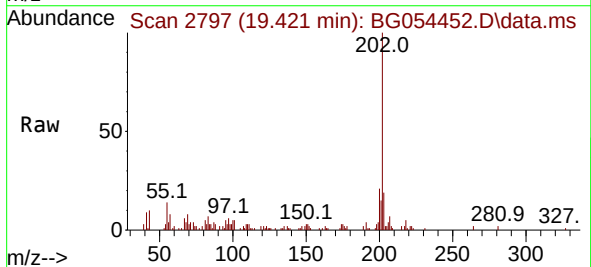
Instrument :
BNA_G
ClientSampleId :
RVE-44

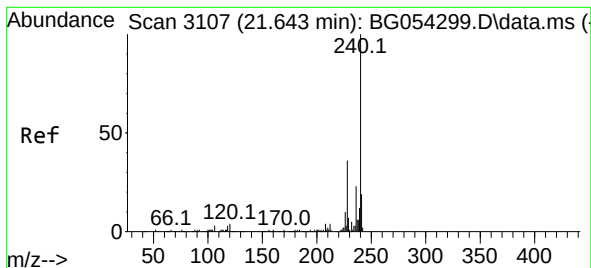
Tgt Ion:248 Resp: 5422
Ion Ratio Lower Upper
248 100
250 195.0 75.2 112.8#
141 320.0 50.0 75.0#



#75
Fluoranthene
Concen: 2.431 ng
RT: 19.421 min Scan# 2797
Delta R.T. -0.001 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion:202 Resp: 23534
Ion Ratio Lower Upper
202 100
101 4.8 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: BG054452.D

Acq: 29 Jul 2022 16:53

Instrument :

BNA_G

ClientSampleId :

RVE-44

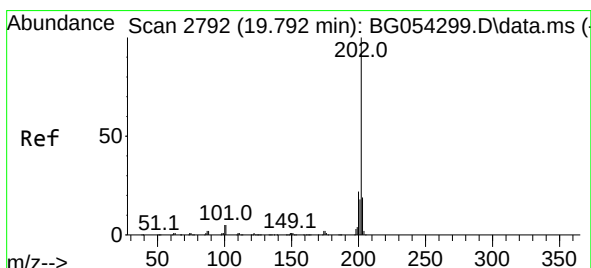
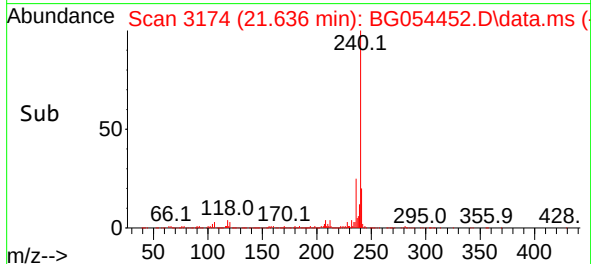
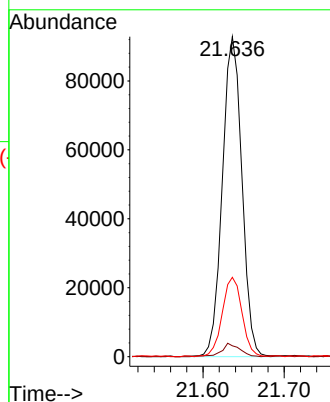
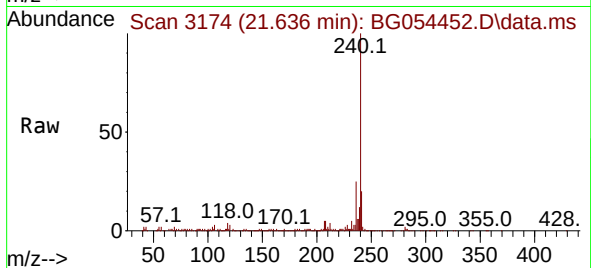
Tgt Ion:240 Resp: 155637

Ion Ratio Lower Upper

240 100

120 3.4 4.6 7.0#

236 24.8 20.2 30.4



#78

Pyrene

Concen: 3.734 ng

RT: 19.785 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG054452.D

Acq: 29 Jul 2022 16:53

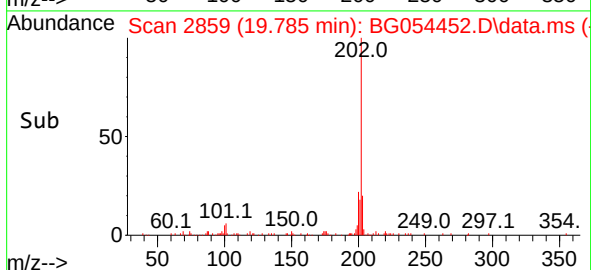
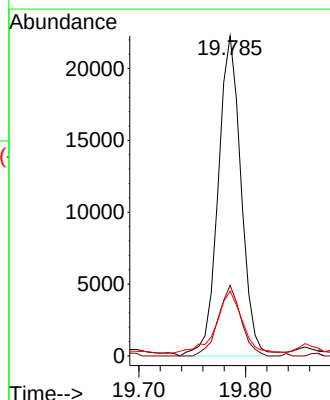
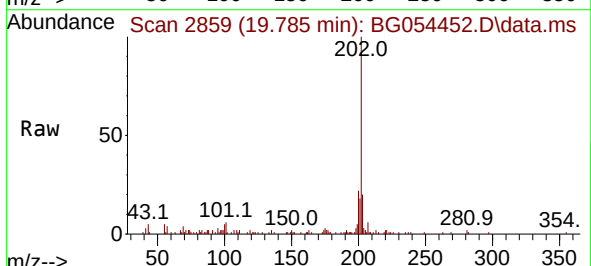
Tgt Ion:202 Resp: 33346

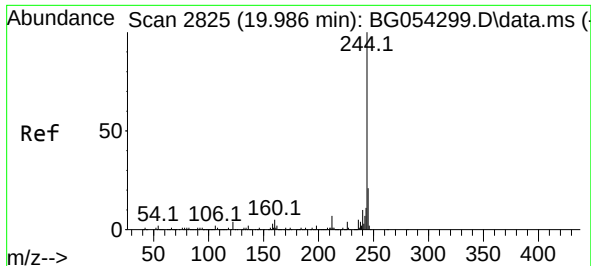
Ion Ratio Lower Upper

202 100

200 22.1 16.6 24.8

203 20.3 14.6 21.8

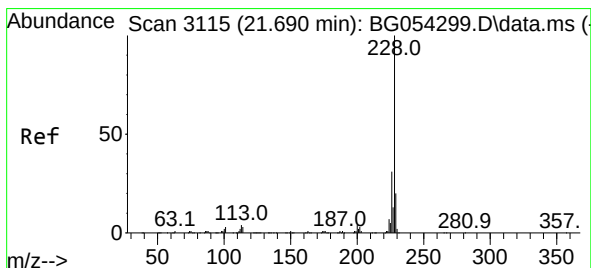
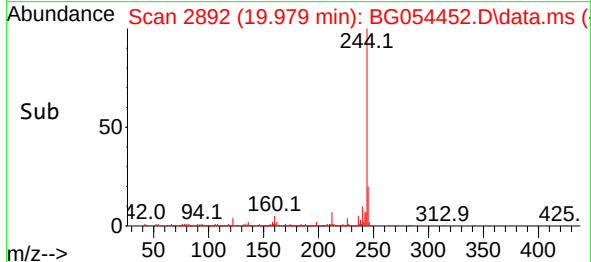
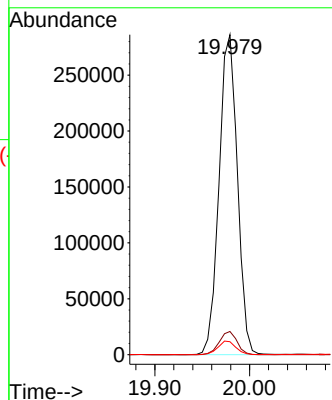
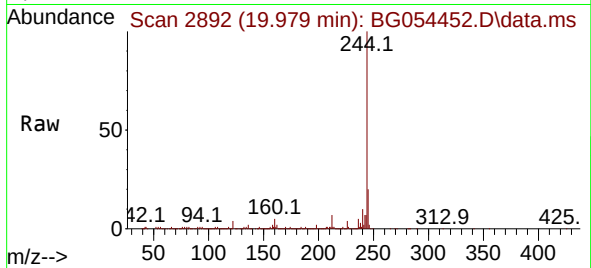




#79
 Terphenyl-d14
 Concen: 49.116 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

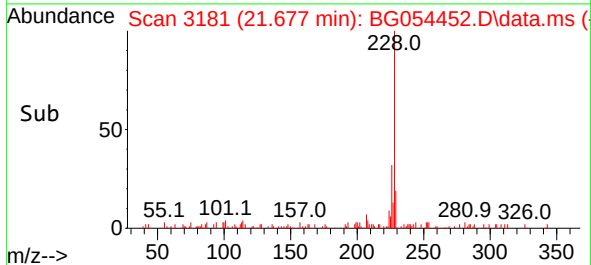
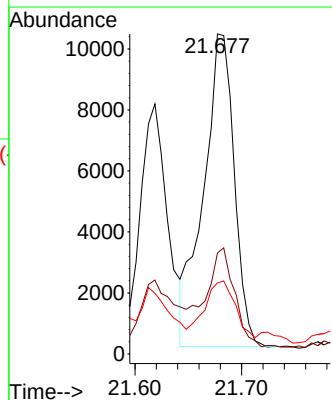
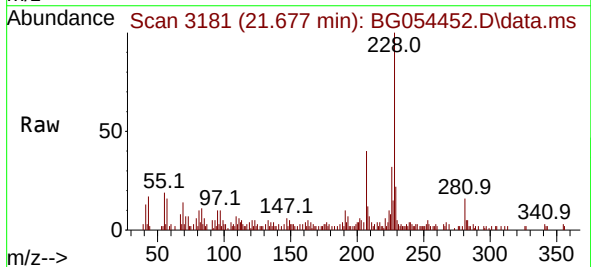
Instrument :
 BNA_G
 ClientSampleId :
 RVE-44

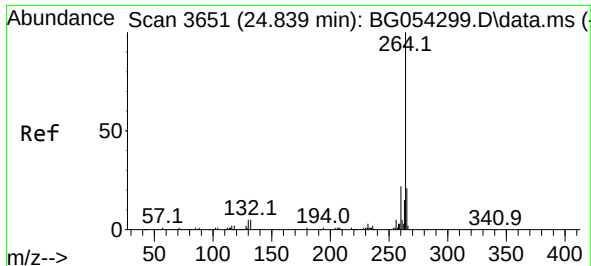
Tgt Ion:244 Resp: 385335
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4#



#83
 Chrysene
 Concen: 2.207 ng
 RT: 21.677 min Scan# 3181
 Delta R.T. -0.007 min
 Lab File: BG054452.D
 Acq: 29 Jul 2022 16:53

Tgt Ion:228 Resp: 20604
 Ion Ratio Lower Upper
 228 100
 226 31.6 23.4 35.2
 229 22.2 15.5 23.3

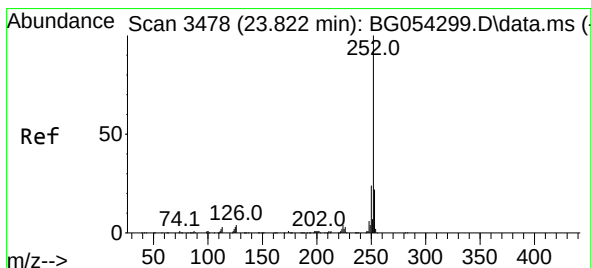
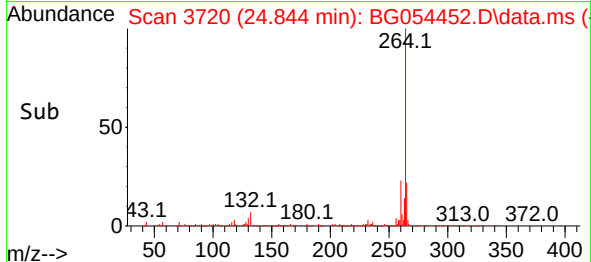
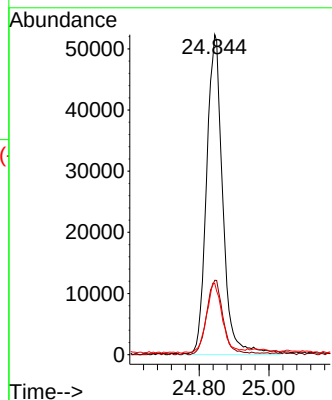
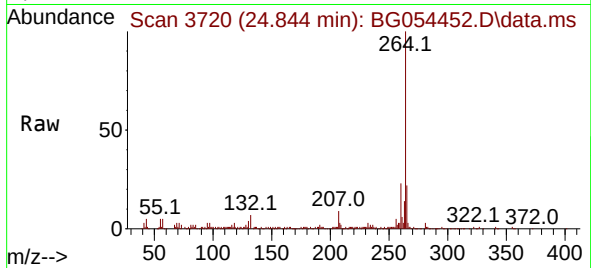




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

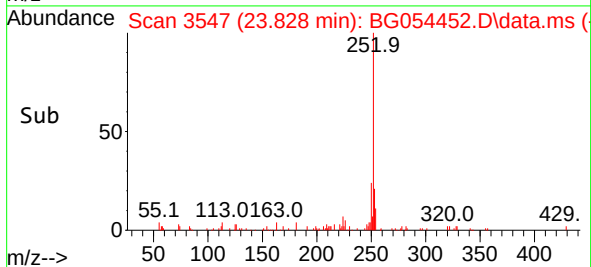
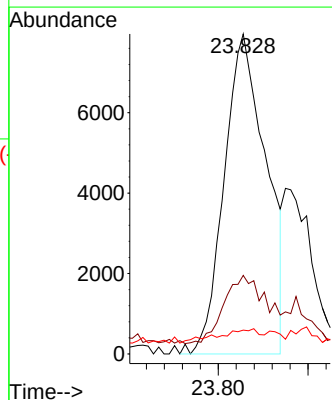
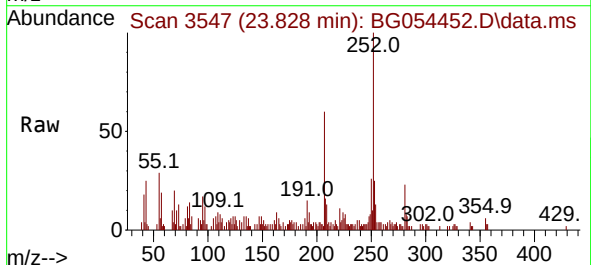
Instrument :
BNA_G
ClientSampleId :
RVE-44

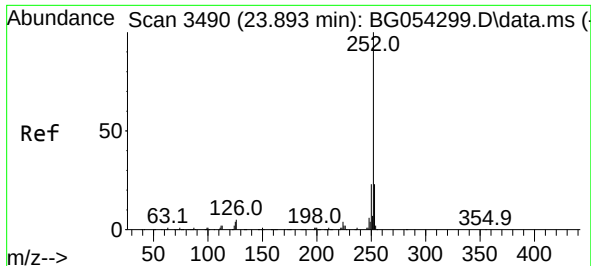
Tgt Ion:264 Resp: 168812
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 22.3 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 2.578 ng
RT: 23.828 min Scan# 3547
Delta R.T. 0.005 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion:252 Resp: 25738
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 7.4 4.6 6.8#

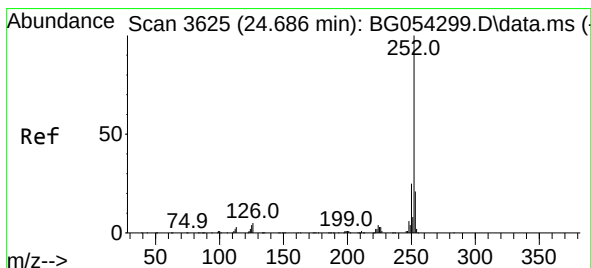
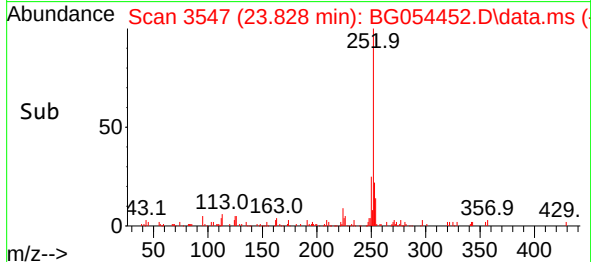
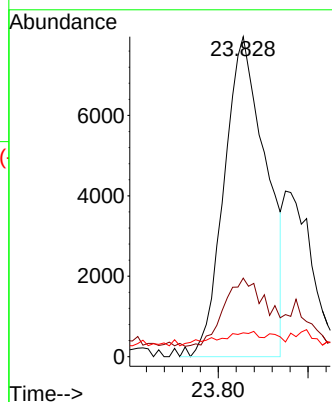
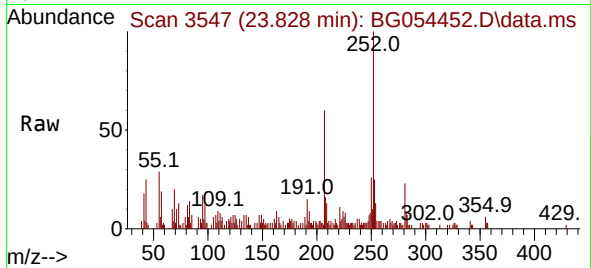




#89
Benzo(k)fluoranthene
Concen: 2.590 ng
RT: 23.828 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Instrument :
BNA_G
ClientSampleId :
RVE-44

Tgt Ion:252 Resp: 25738
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 7.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 2.039 ng
RT: 24.691 min Scan# 3694
Delta R.T. 0.005 min
Lab File: BG054452.D
Acq: 29 Jul 2022 16:53

Tgt Ion:252 Resp: 17388
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.8#
125 10.6 4.3 6.5#

