

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054430.D
 Acq On : 28 Jul 2022 13:41
 Operator : CG/JU
 Sample : N3893-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-4

Quant Time: Jul 29 04:08:29 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)

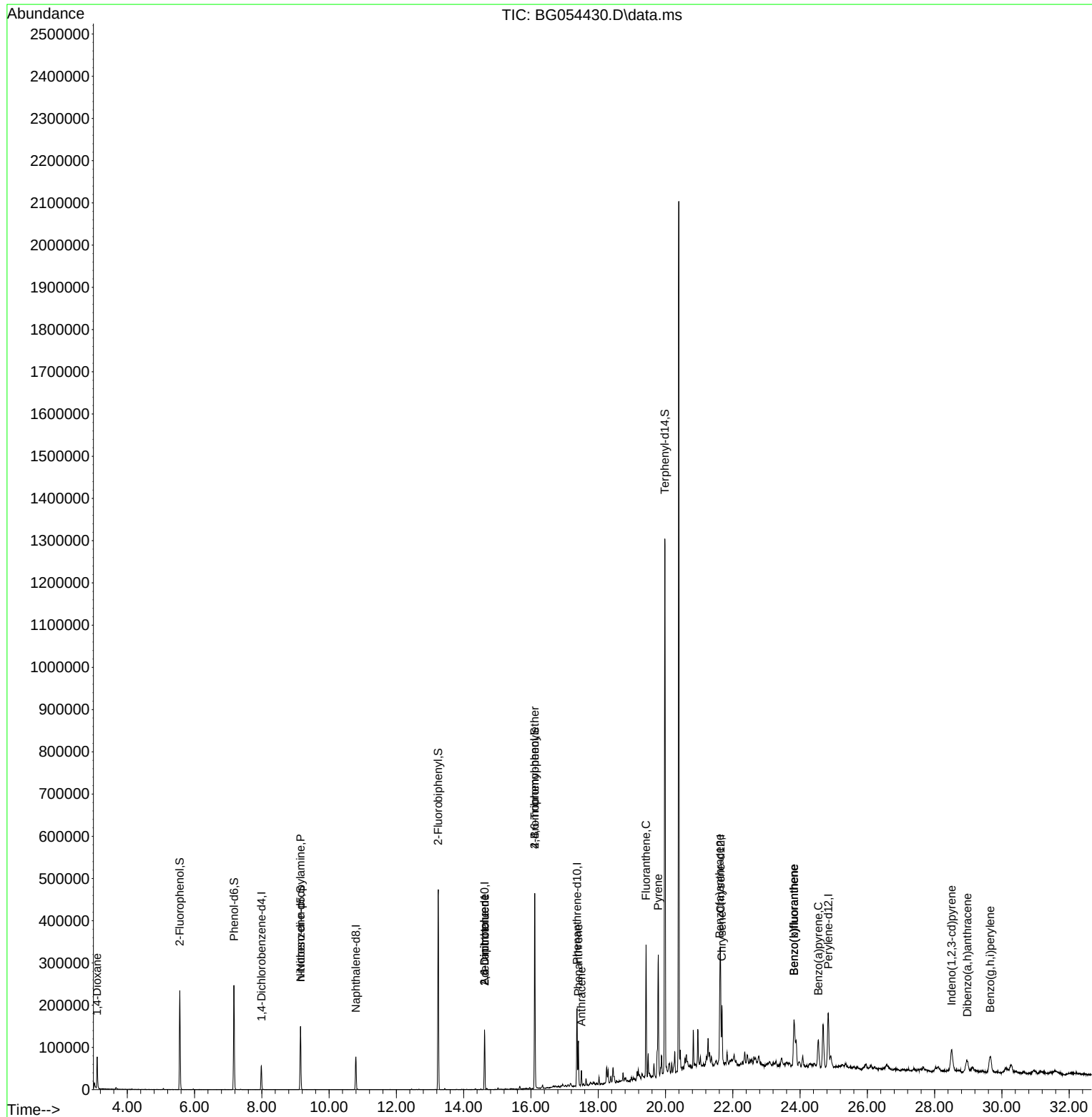
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	18197	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	70849	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	54729	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	132574	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	149012	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	157162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	104322	119.697	ng	0.00
7) Phenol-d6	7.171	99	140620	117.748	ng	0.00
23) Nitrobenzene-d5	9.151	82	93061	71.530	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	122997	107.037	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	281951	72.676	ng	0.00
79) Terphenyl-d14	19.980	244	545977	72.686	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.099	88	715	2.062	ng	# 1
9) Benzaldehyde	7.165	77	205	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.151	70	12709	15.936	ng	# 81
51) 2,6-Dinitrotoluene	14.621	165	7730	8.244	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7730	5.751	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7070	3.797	ng	# 1
71) Phenanthrene	17.412	178	74708	11.316	ng	98
72) Anthracene	17.500	178	26438	4.081	ng	97
75) Fluoranthene	19.421	202	214425	23.826	ng	95
78) Pyrene	19.786	202	198926	23.266	ng	97
81) Benzo(a)anthracene	21.613	228	127625	13.492	ng	99
83) Chrysene	21.678	228	108535	12.145	ng	97
87) Indeno(1,2,3-cd)pyrene	28.505	276	97739	8.175	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	162250	17.457	ng	# 96
89) Benzo(k)fluoranthene	23.822	252	162250	17.541	ng	# 97
90) Benzo(a)pyrene	24.539	252	79492	10.015	ng	100
91) Dibenzo(a,h)anthracene	28.975	278	19900	2.024	ng	93
92) Benzo(g,h,i)perylene	29.656	276	98028	10.103	ng	# 91

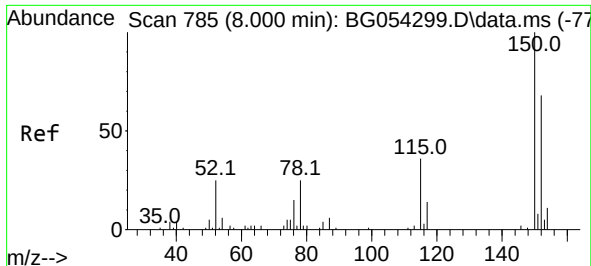
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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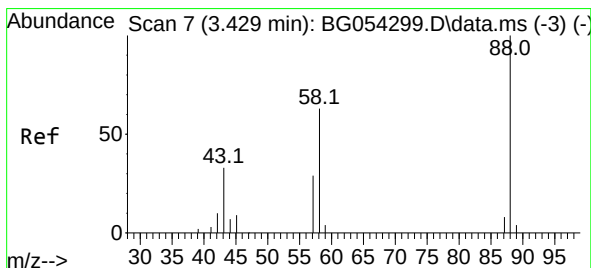
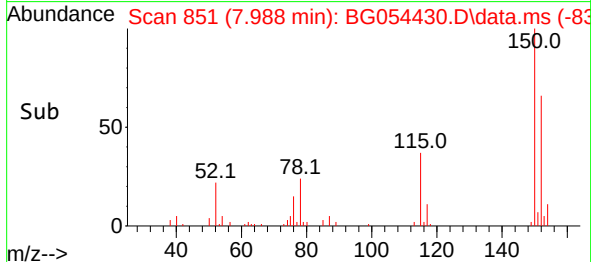
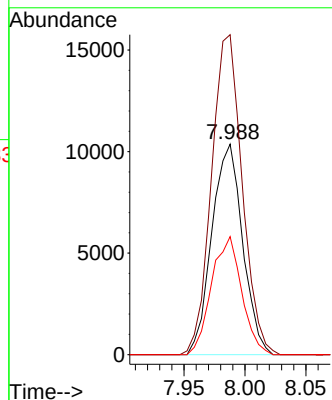
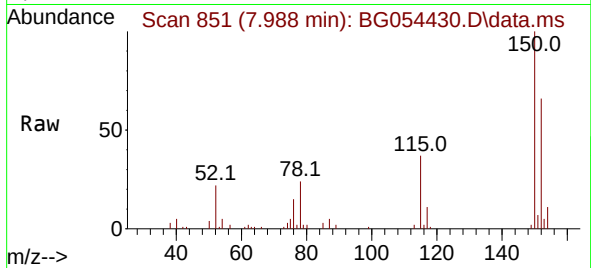




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.988 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

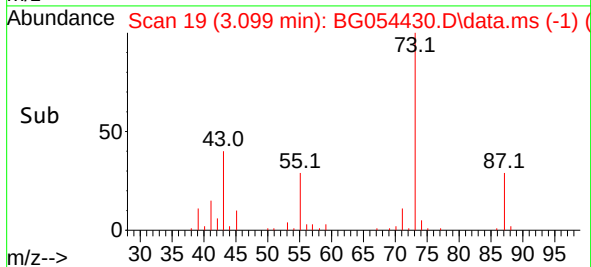
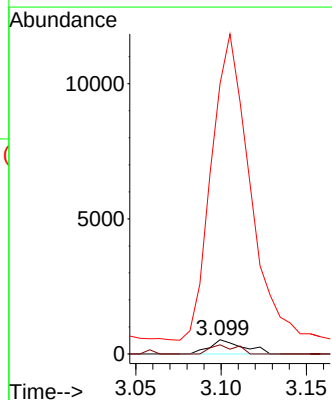
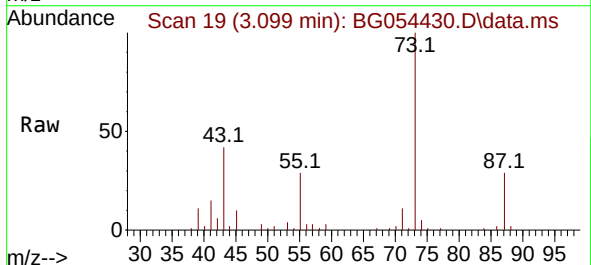
Instrument :
 BNA_G
 ClientSampleId :
 RVE-4

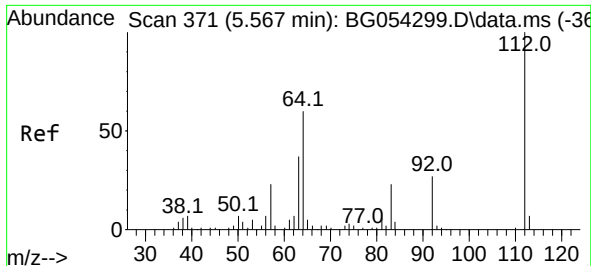
Tgt Ion:152 Resp: 18197
 Ion Ratio Lower Upper
 152 100
 150 152.0 131.6 197.4
 115 56.1 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.062 ng
 RT: 3.099 min Scan# 19
 Delta R.T. -0.318 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

Tgt Ion: 88 Resp: 715
 Ion Ratio Lower Upper
 88 100
 58 51.2 59.2 88.8#
 43 2698.5 24.3 36.5#

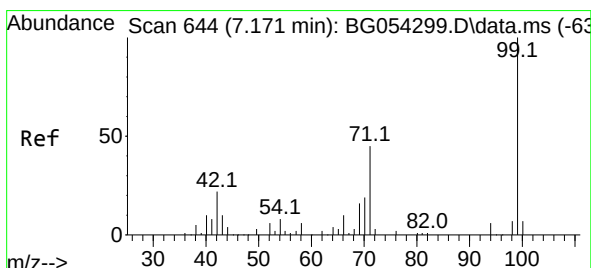
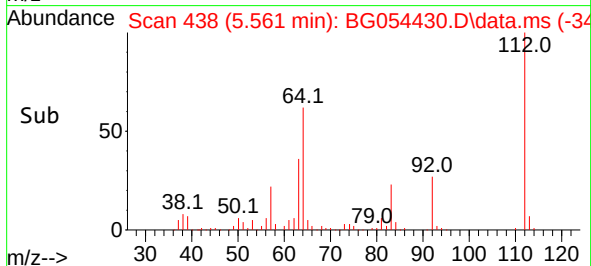
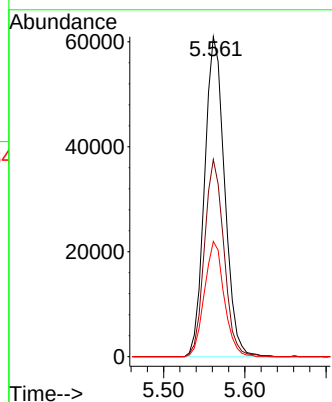
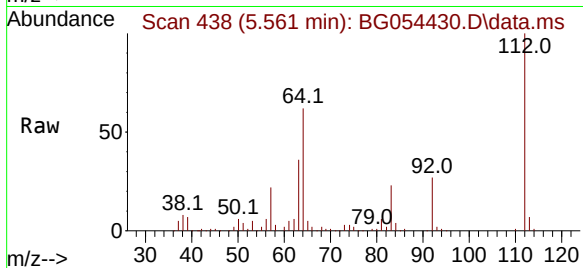




#5
2-Fluorophenol
Concen: 119.697 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

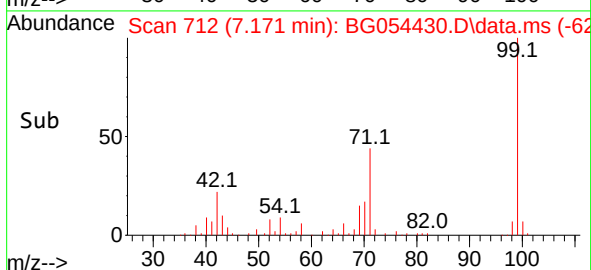
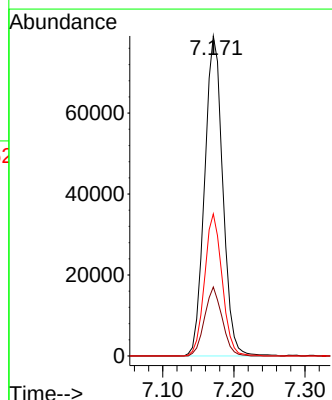
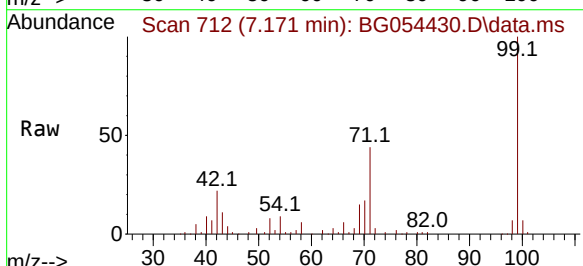
Instrument :
BNA_G
ClientSampleId :
RVE-4

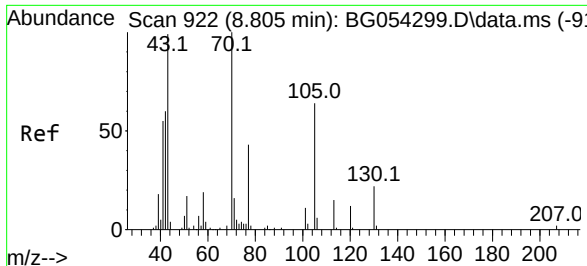
Tgt Ion:112 Resp: 104322
Ion Ratio Lower Upper
112 100
64 61.6 55.1 82.7
63 36.0 30.4 45.6



#7
Phenol-d6
Concen: 117.748 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion: 99 Resp: 140620
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 44.4 33.8 50.8

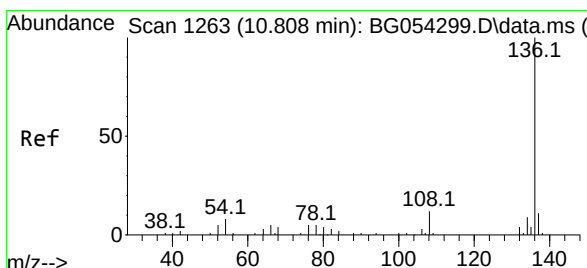
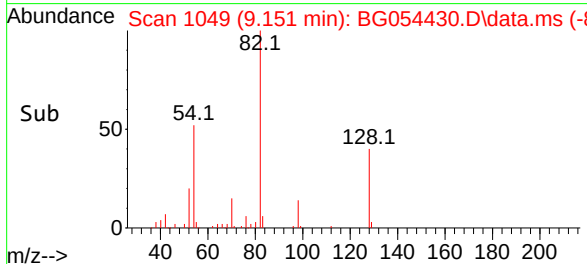
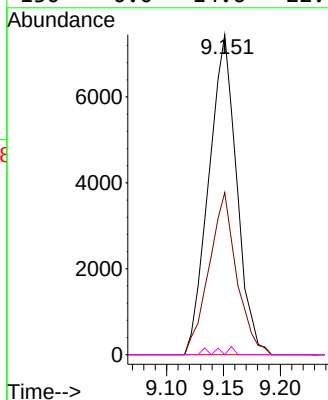
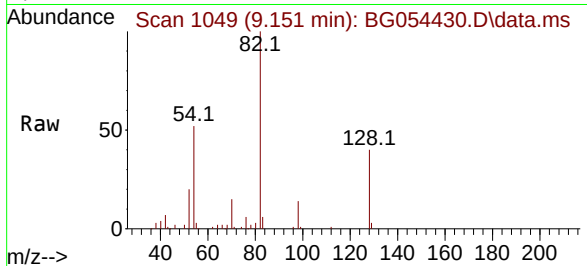




#19
n-Nitroso-di-n-propylamine
Concen: 15.936 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

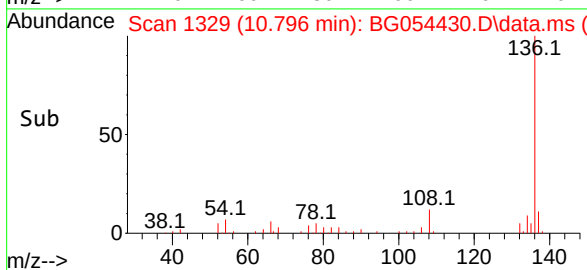
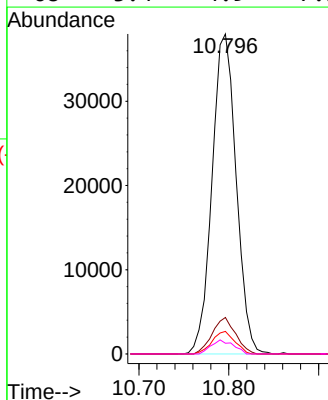
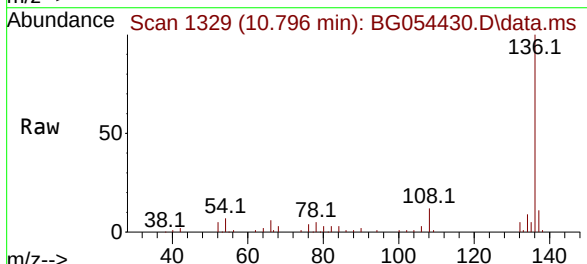
Instrument :
BNA_G
ClientSampleId :
RVE-4

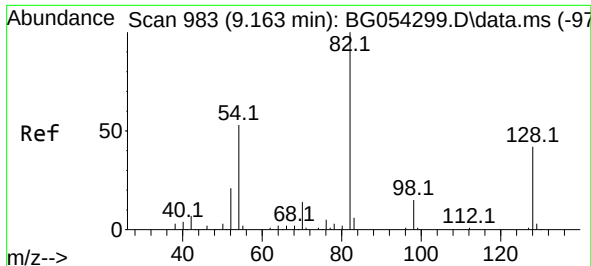
Tgt Ion: 70	Resp:	12709
Ion Ratio	Lower	Upper
70	100	
42	50.7	47.3 70.9
101	0.0	7.0 10.4#
130	0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion: 136	Resp:	70849
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.5 12.7
54	7.1	7.4 11.2#
68	3.4	4.9 7.3#

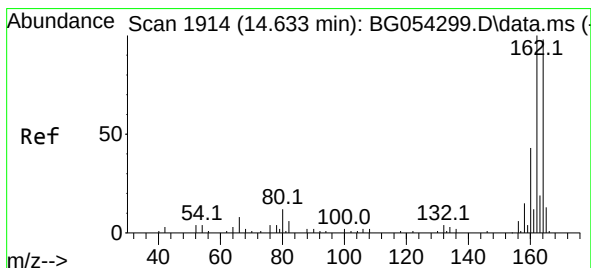
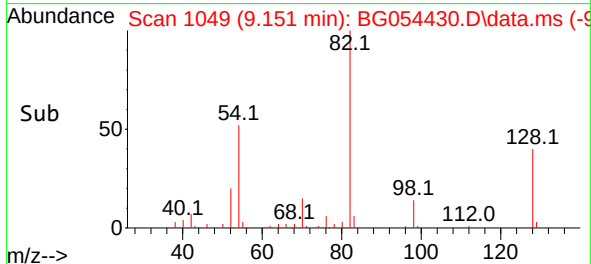
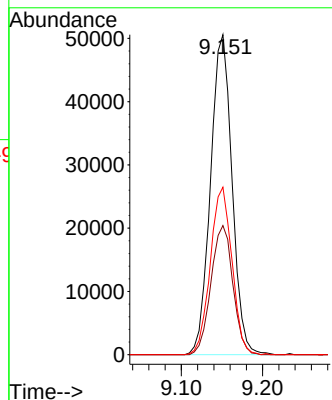
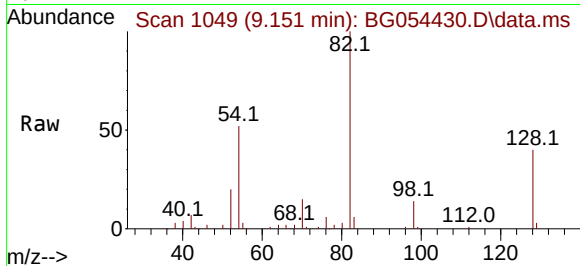




#23
Nitrobenzene-d5
Concen: 71.530 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

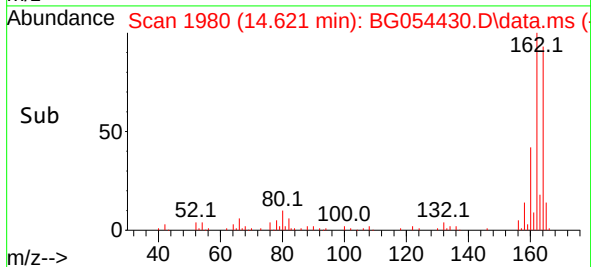
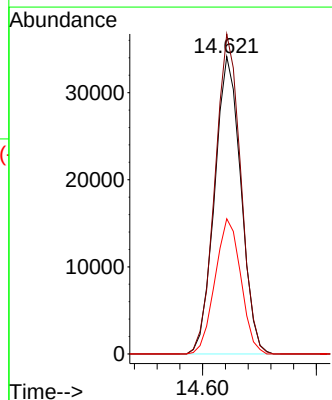
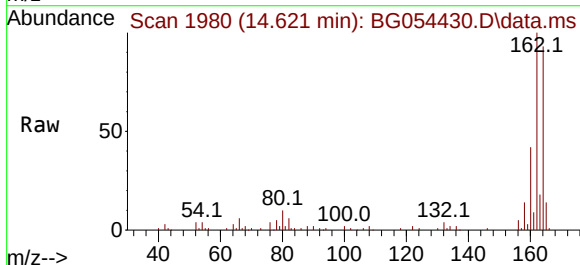
Instrument :
BNA_G
ClientSampleId :
RVE-4

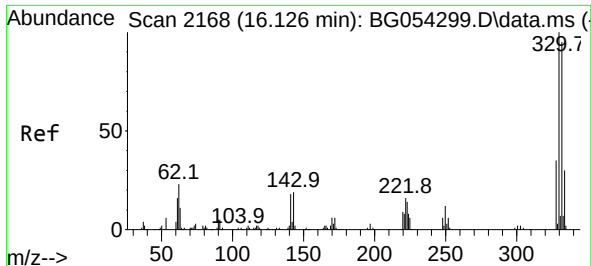
Tgt Ion: 82 Resp: 93061
Ion Ratio Lower Upper
82 100
128 40.4 27.9 41.9
54 52.4 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion: 164 Resp: 54729
Ion Ratio Lower Upper
164 100
162 107.6 82.3 123.5
160 45.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 107.037 ng

RT: 16.113 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Instrument :

BNA_G

ClientSampleId :

RVE-4

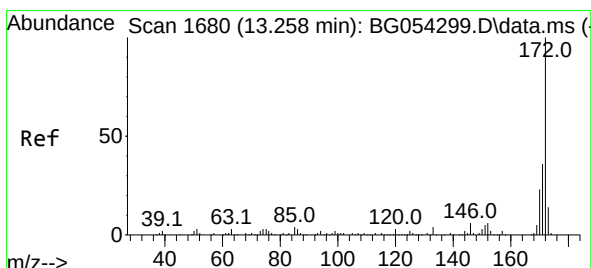
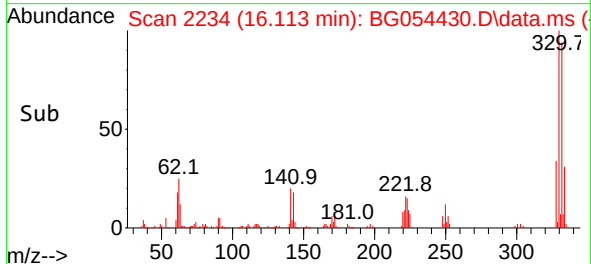
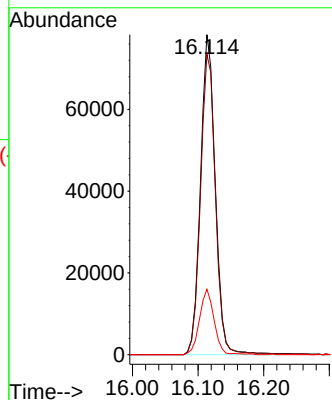
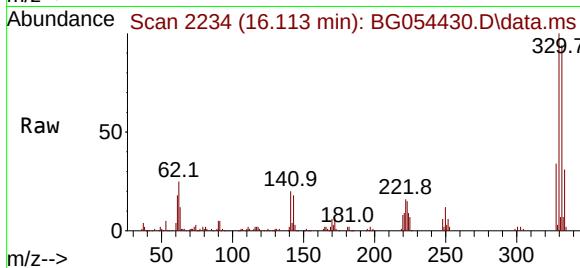
Tgt Ion:330 Resp: 122997

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

141 20.2 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 72.676 ng

RT: 13.246 min Scan# 1746

Delta R.T. -0.001 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

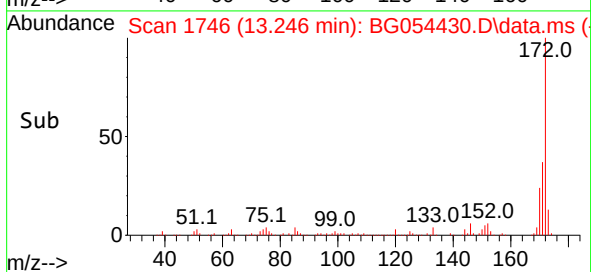
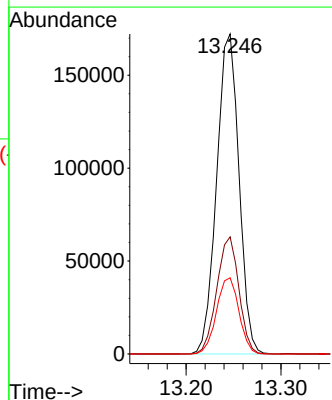
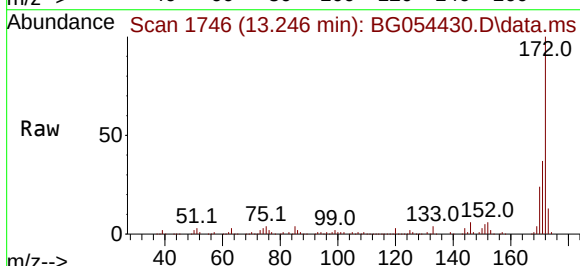
Tgt Ion:172 Resp: 281951

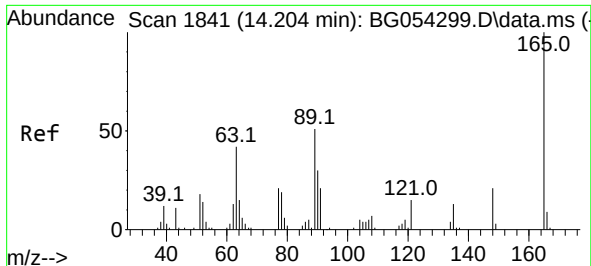
Ion Ratio Lower Upper

172 100

171 36.6 28.5 42.7

170 23.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.244 ng

RT: 14.621 min Scan# 1980

Delta R.T. 0.422 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Instrument :

BNA_G

ClientSampleId :

RVE-4

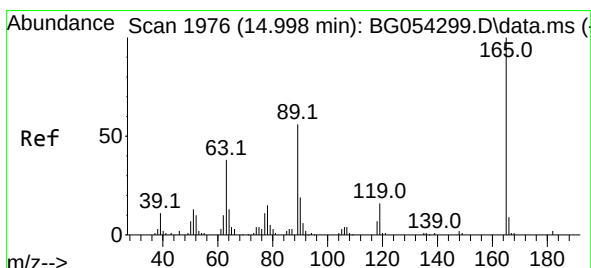
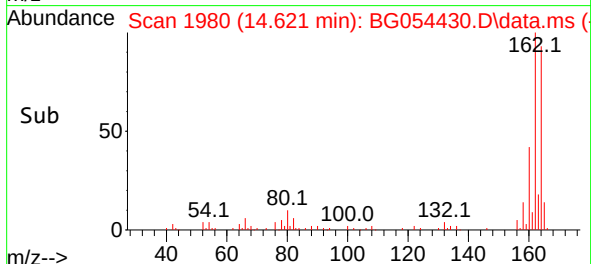
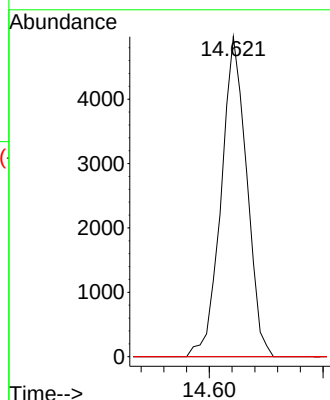
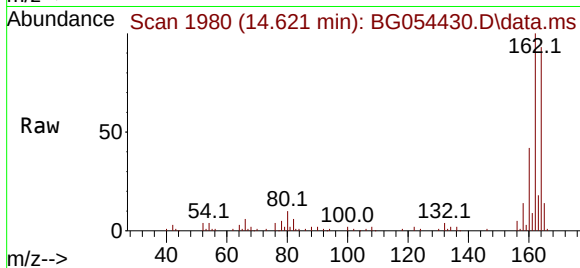
Tgt Ion:165 Resp: 7730

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: 5.751 ng

RT: 14.621 min Scan# 1980

Delta R.T. -0.371 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Tgt Ion:165 Resp: 7730

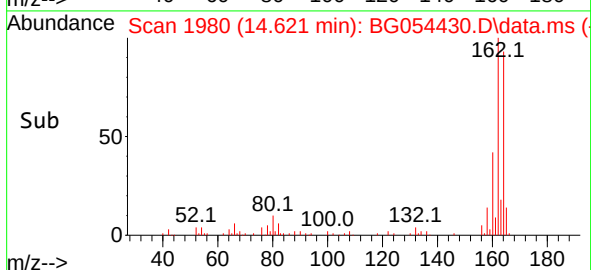
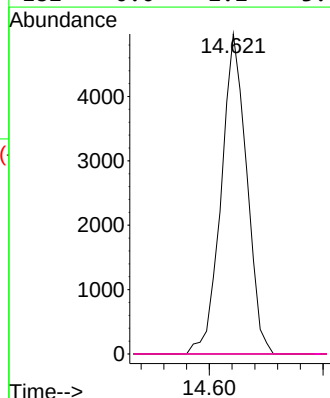
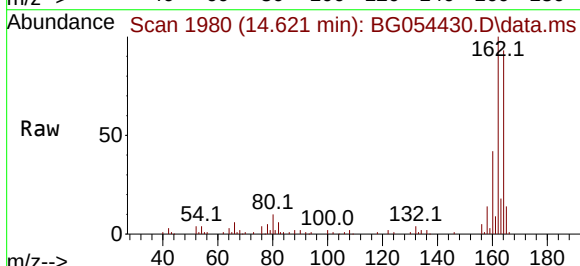
Ion Ratio Lower Upper

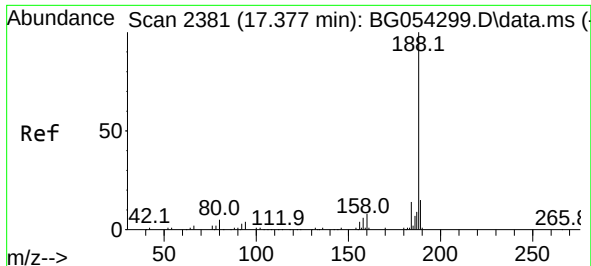
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

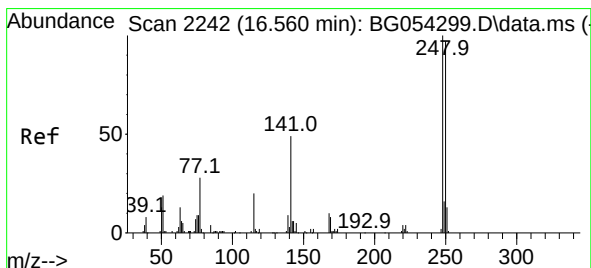
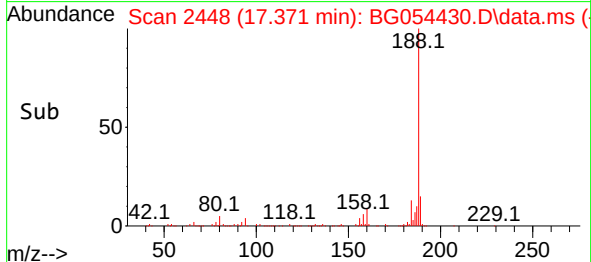
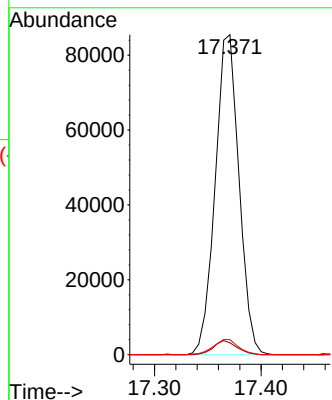
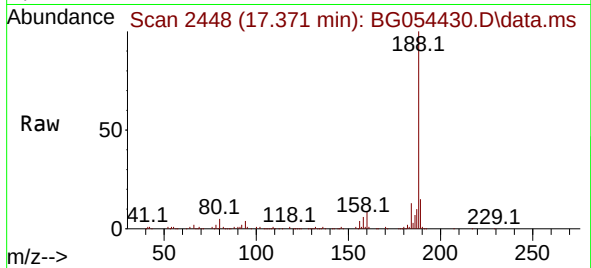




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

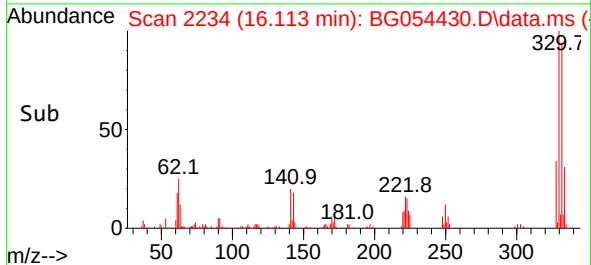
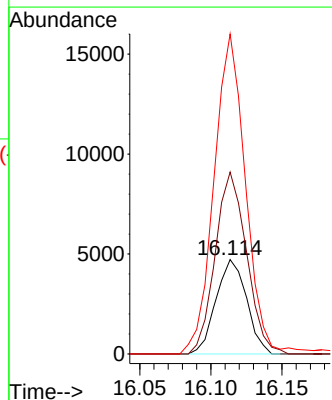
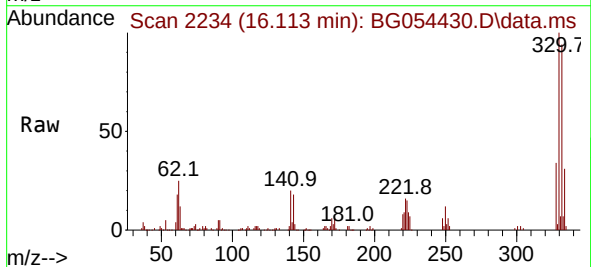
Instrument :
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RVE-4

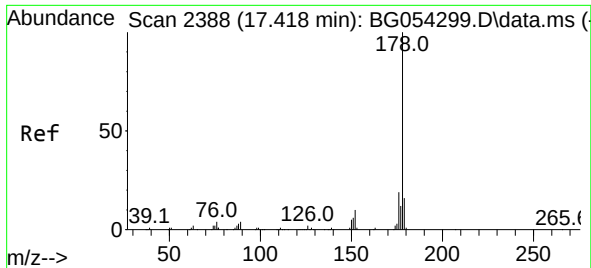
Tgt Ion:188 Resp: 132574
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.797 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:248 Resp: 7070
Ion Ratio Lower Upper
248 100
250 245.7 75.2 112.8#
141 338.7 50.0 75.0#

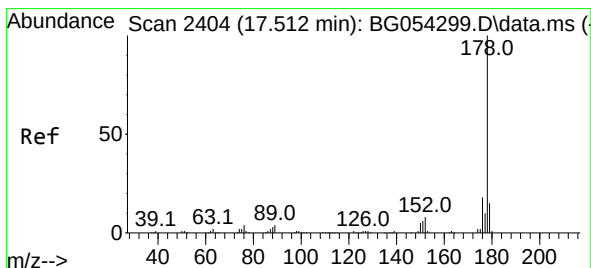
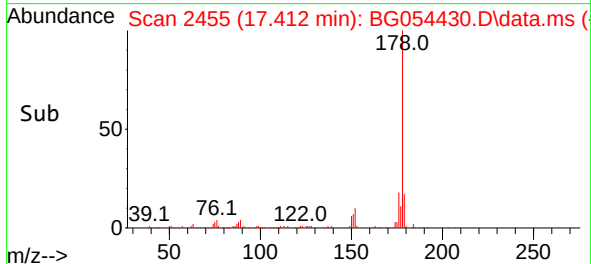
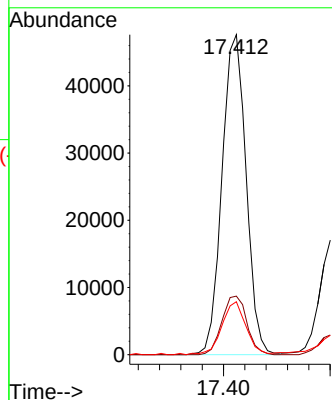
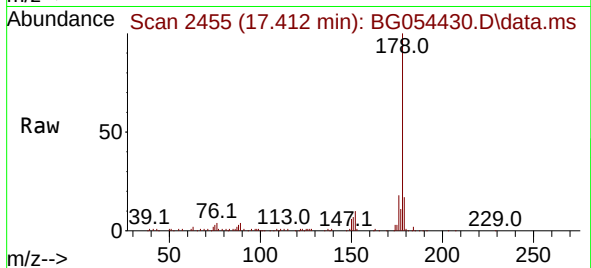




#71
Phenanthrene
Concen: 11.316 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

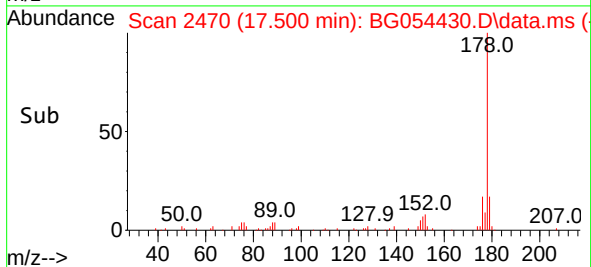
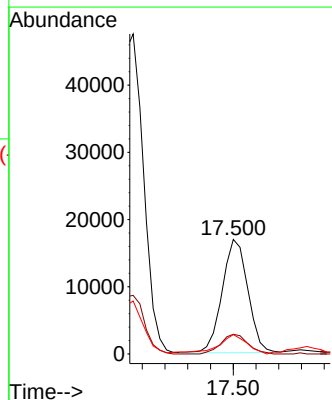
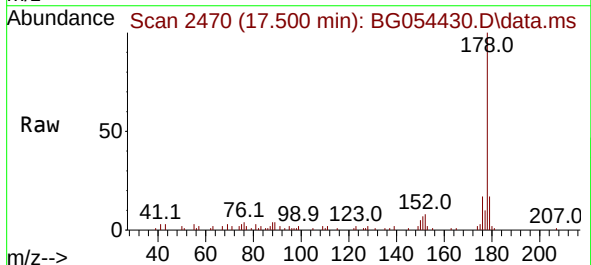
Instrument :
BNA_G
ClientSampleId :
RVE-4

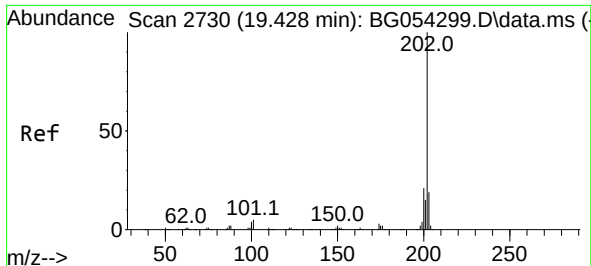
Tgt Ion:178 Resp: 74708
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 16.5 12.1 18.1



#72
Anthracene
Concen: 4.081 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:178 Resp: 26438
Ion Ratio Lower Upper
178 100
176 17.2 15.2 22.8
179 16.9 13.0 19.4

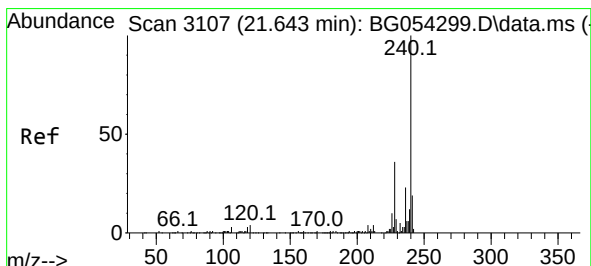
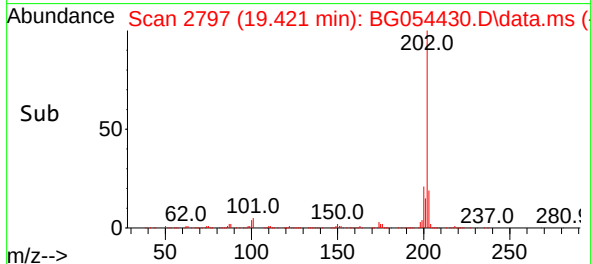
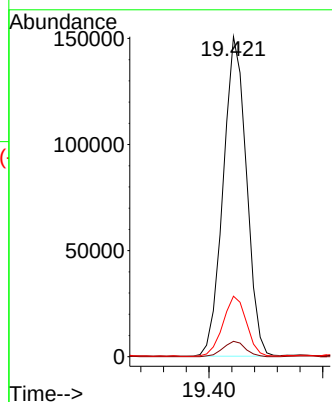
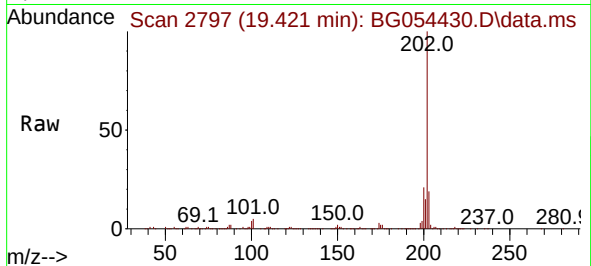




#75
Fluoranthene
Concen: 23.826 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

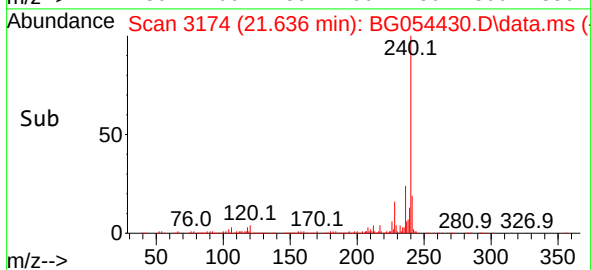
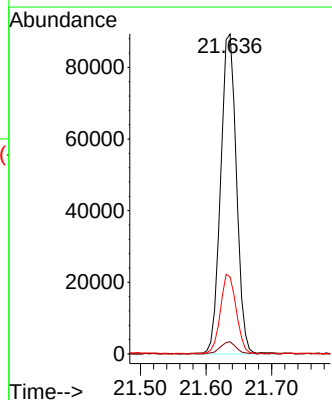
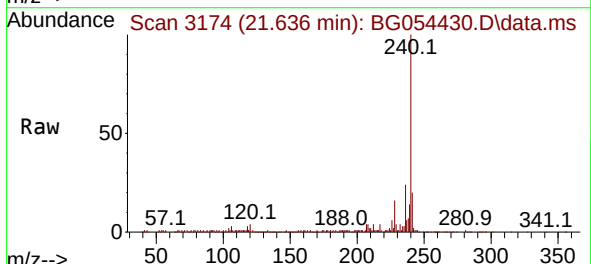
Instrument :
BNA_G
ClientSampleId :
RVE-4

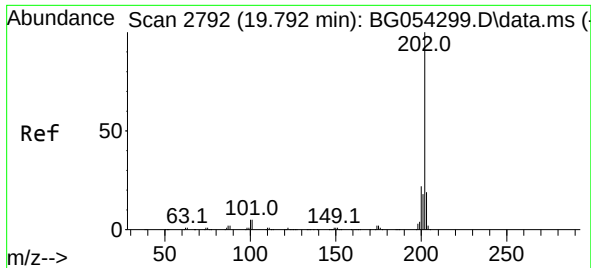
Tgt Ion:202 Resp: 214425
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:240 Resp: 149012
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 24.1 20.2 30.4

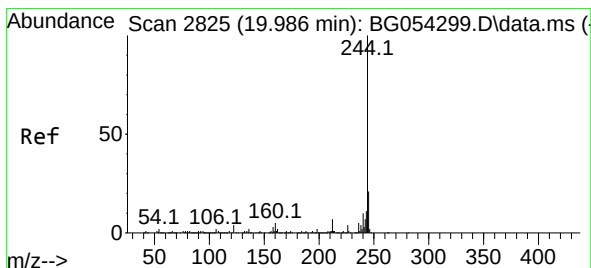
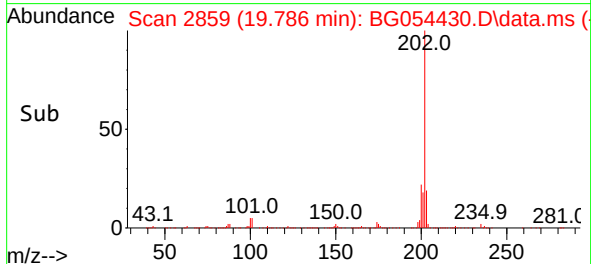
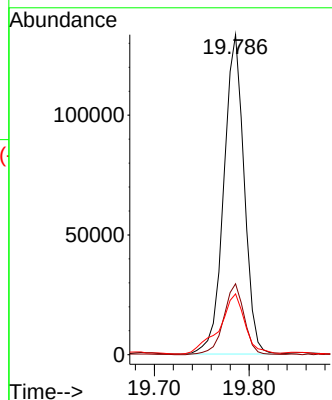
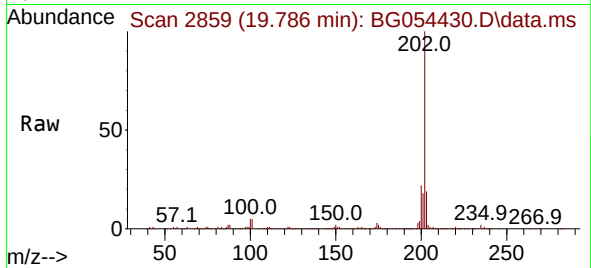




#78
Pyrene
Concen: 23.266 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

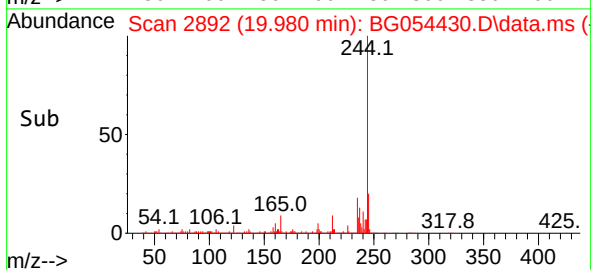
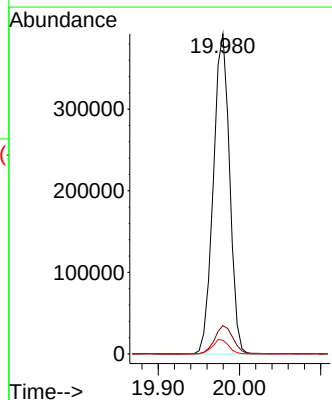
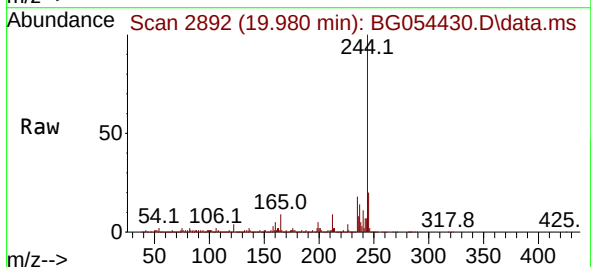
Instrument :
BNA_G
ClientSampleId :
RVE-4

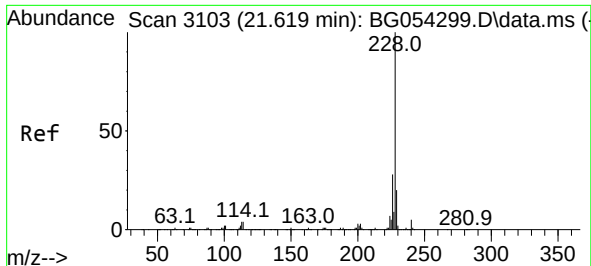
Tgt Ion:202 Resp: 198926
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 19.0 14.6 21.8



#79
Terphenyl-d14
Concen: 72.686 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:244 Resp: 545977
Ion Ratio Lower Upper
244 100
212 8.9 6.5 9.7
122 4.3 5.0 7.4#

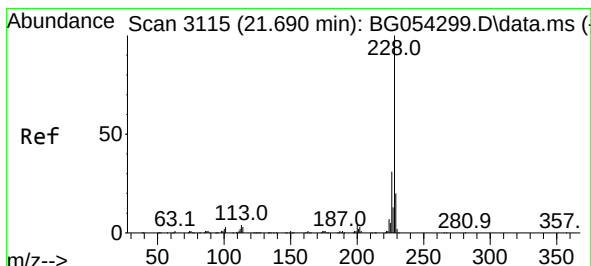
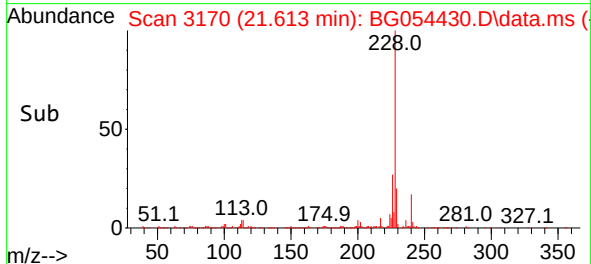
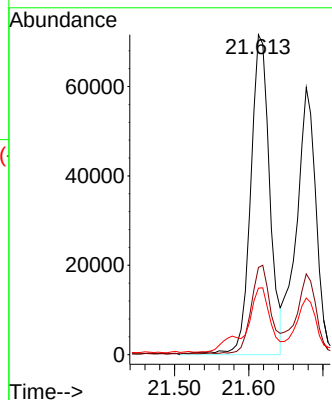
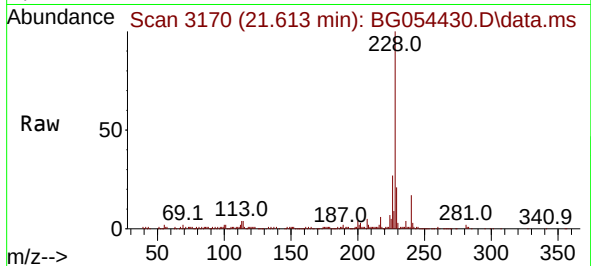




#81
Benzo(a)anthracene
Concen: 13.492 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

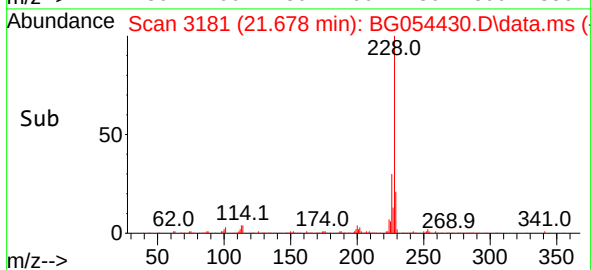
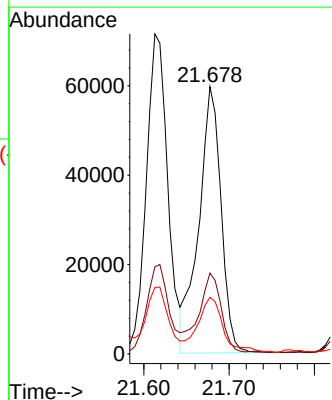
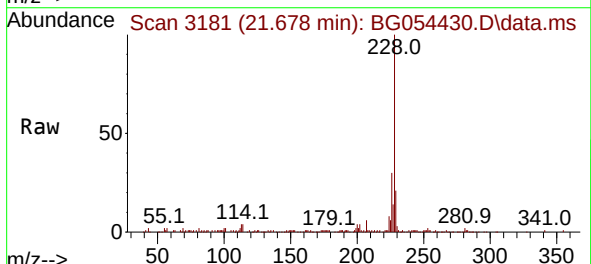
Instrument :
BNA_G
ClientSampleId :
RVE-4

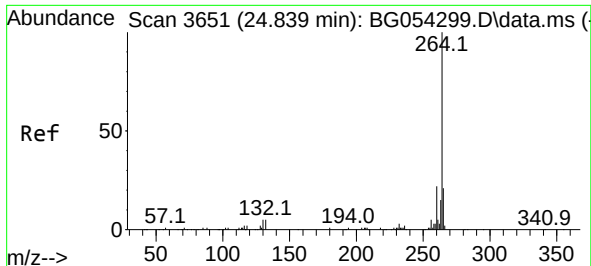
Tgt Ion:228 Resp: 127625
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.8 16.2 24.2



#83
Chrysene
Concen: 12.145 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:228 Resp: 108535
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 21.2 15.5 23.3

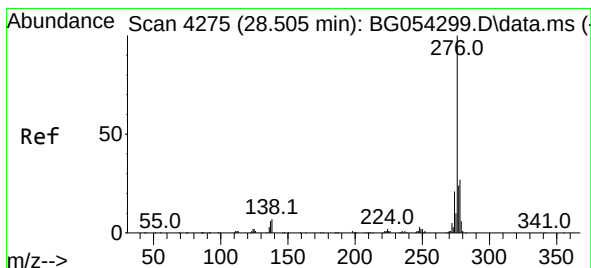
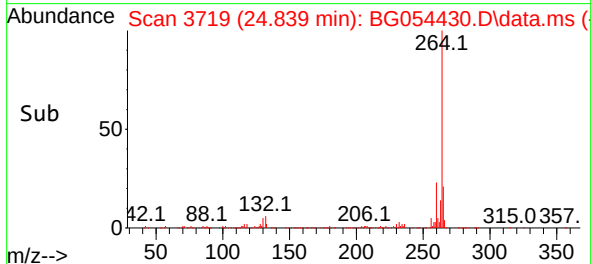
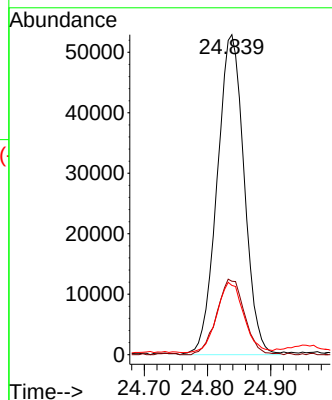
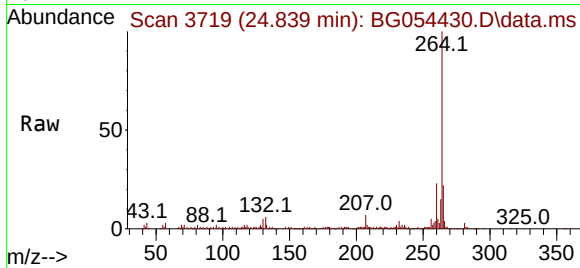




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

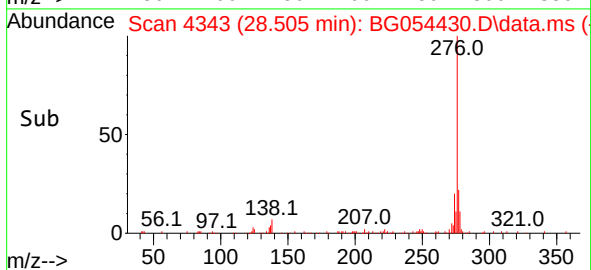
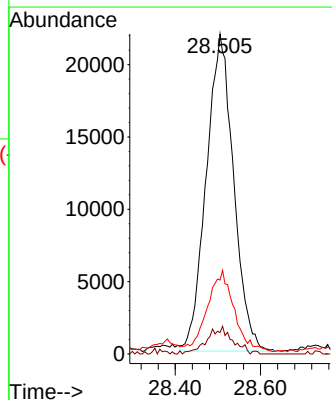
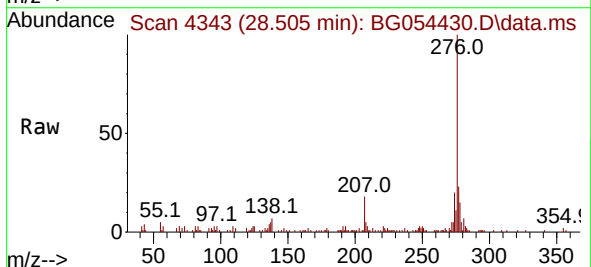
Instrument :
 BNA_G
 ClientSampleId :
 RVE-4

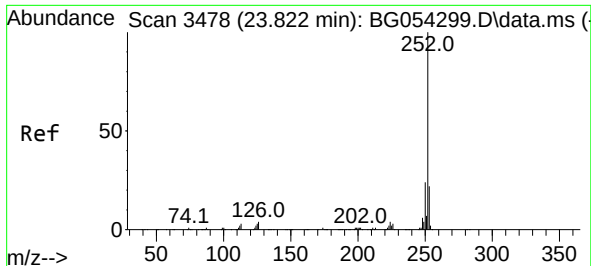
Tgt Ion:264 Resp: 157162
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 21.7 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.175 ng
 RT: 28.505 min Scan# 4343
 Delta R.T. -0.012 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

Tgt Ion:276 Resp: 97739
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.0 7.4#
 277 25.1 20.3 30.5

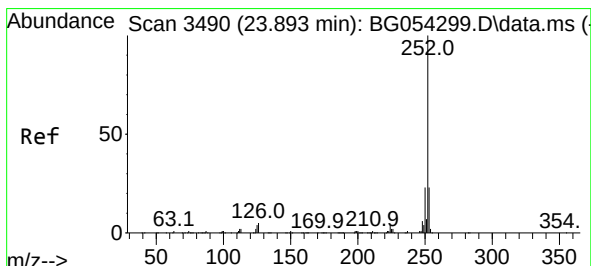
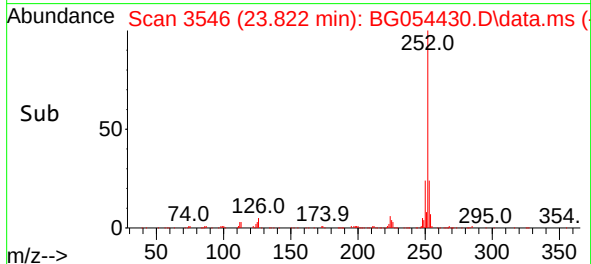
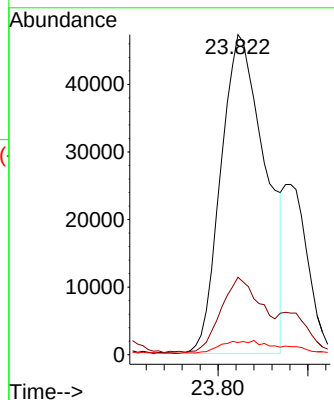
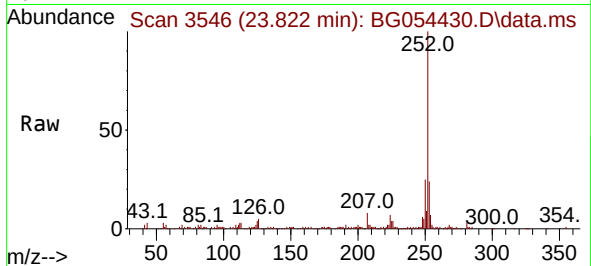




#88
Benzo(b)fluoranthene
Concen: 17.457 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

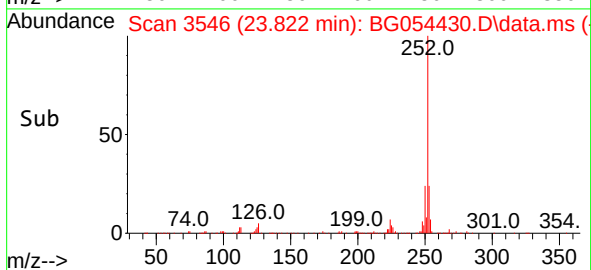
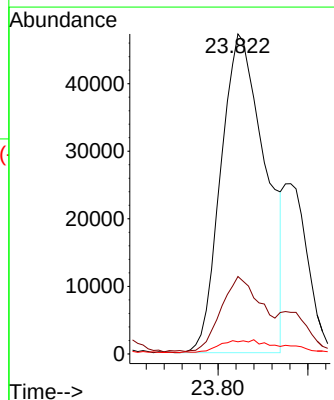
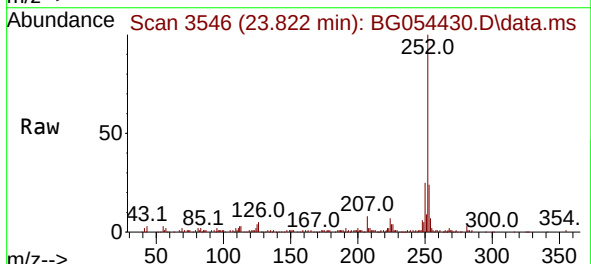
Instrument :
BNA_G
ClientSampleId :
RVE-4

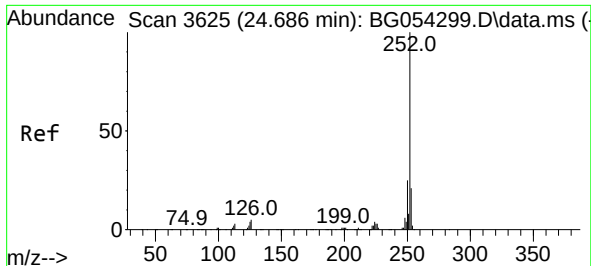
Tgt Ion:252 Resp: 162250
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 3.8 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 17.541 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.065 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:252 Resp: 162250
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 3.8 4.8 7.2#

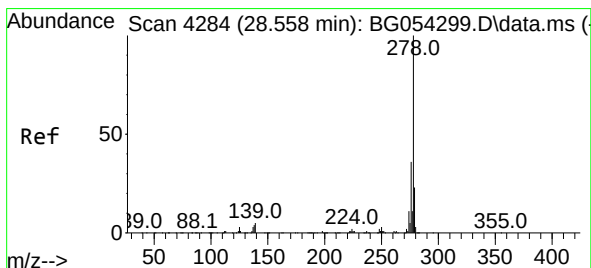
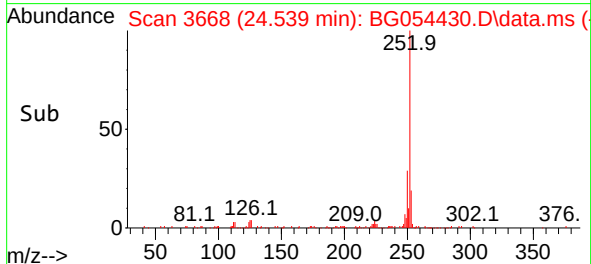
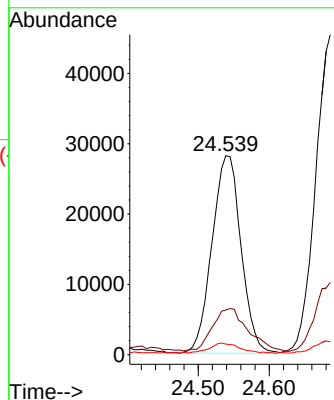
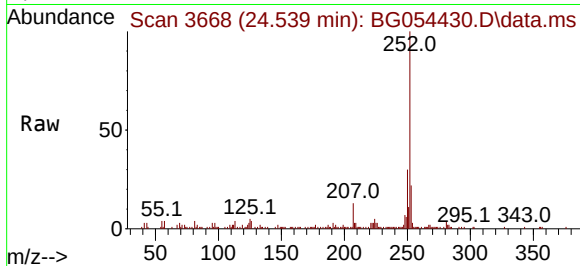




#90
Benzo(a)pyrene
Concen: 10.015 ng
RT: 24.539 min Scan# 30
Delta R.T. -0.148 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

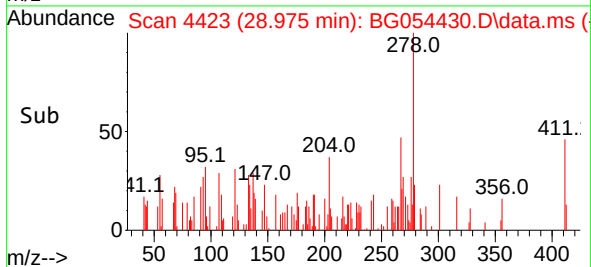
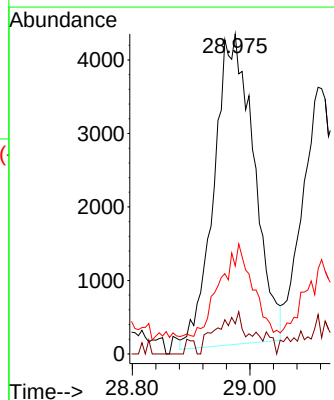
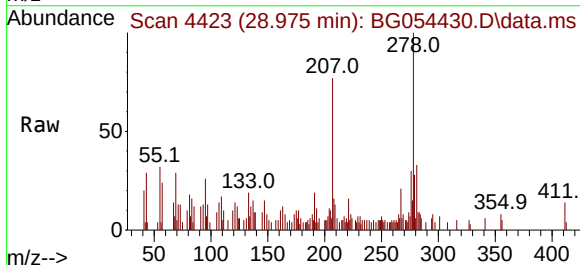
Instrument :
BNA_G
ClientSampleId :
RVE-4

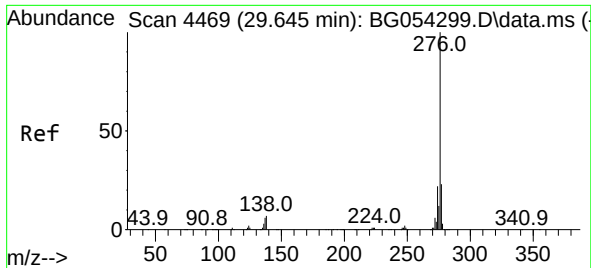
Tgt Ion:252 Resp: 79492
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.3 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.024 ng
RT: 28.975 min Scan# 4423
Delta R.T. 0.411 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

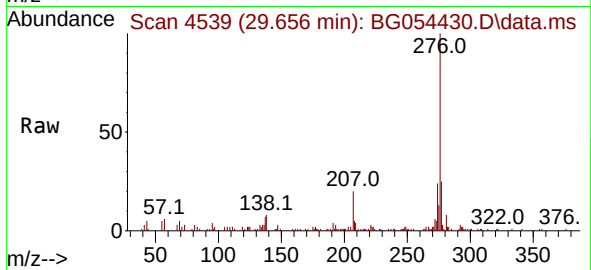
Tgt Ion:278 Resp: 19900
Ion Ratio Lower Upper
278 100
139 9.4 7.2 10.8
279 27.5 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 10.103 ng
 RT: 29.656 min Scan# 4
 Delta R.T. -0.007 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

Instrument :
 BNA_G
 ClientSampleId :
 RVE-4



Tgt Ion:276 Resp: 98028
 Ion Ratio Lower Upper
 276 100
 277 25.4 17.3 25.9
 138 7.7 9.6 14.4#

