

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054515.D
 Acq On : 4 Aug 2022 12:08
 Operator : CG/JU
 Sample : N3931-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-115

Quant Time: Aug 04 13:44:40 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)

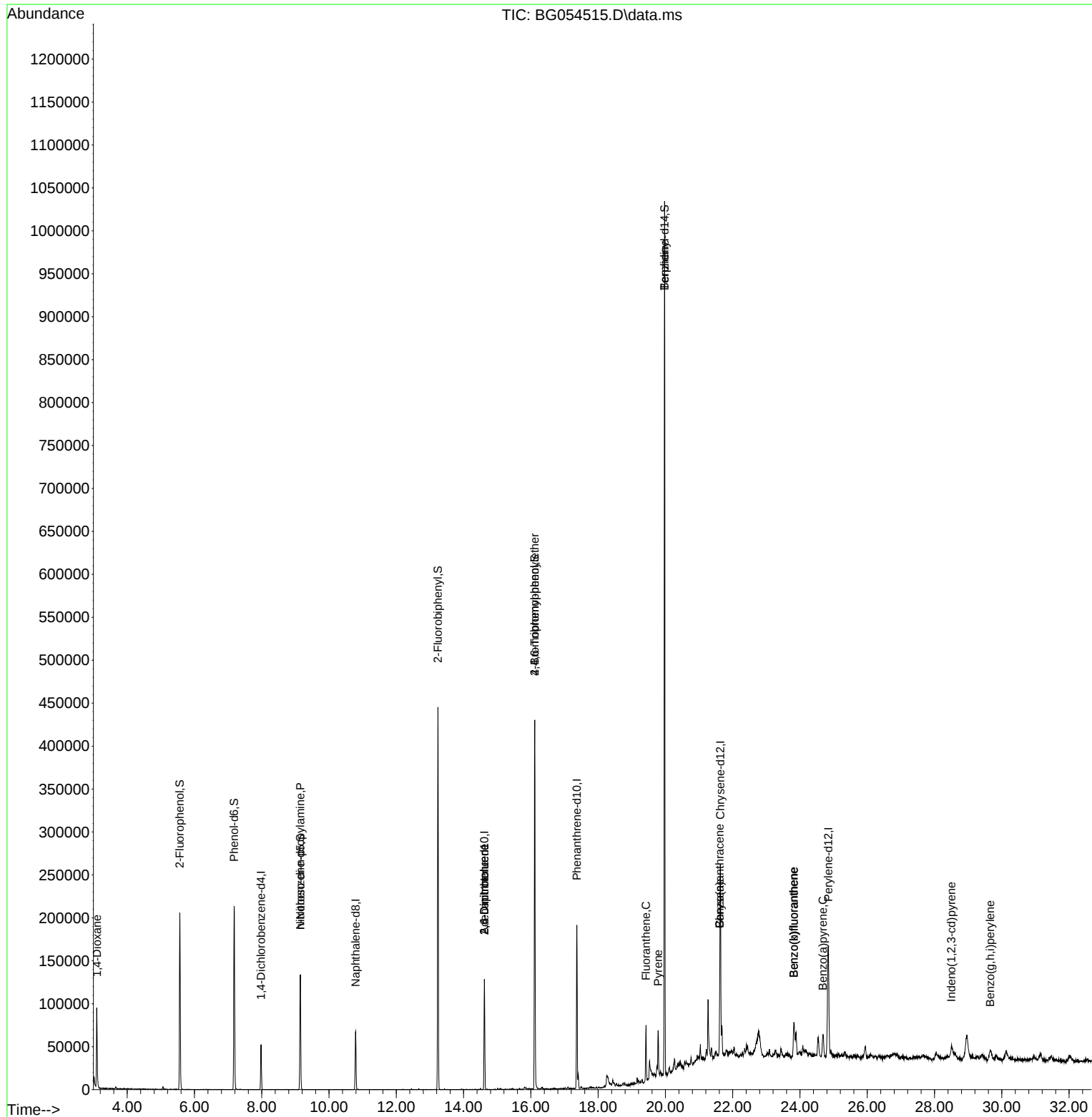
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	16295	20.000	ng	#-0.01
21) Naphthalene-d8	10.791	136	62529	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	50696	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	135674	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	149347	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	158592	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	94825	121.500	ng	0.00
7) Phenol-d6	7.178	99	124597	116.509	ng	0.00
23) Nitrobenzene-d5	9.146	82	83377	72.614	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	117527	110.413	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	256190	71.289	ng	-0.01
79) Terphenyl-d14	19.974	244	563564	74.859	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.100	88	963	3.102	ng	# 1
19) n-Nitroso-di-n-propyla...	9.146	70	11643	16.304	ng	# 78
51) 2,6-Dinitrotoluene	14.616	165	7159	8.242	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7159	5.750	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7139	3.747	ng	# 1
75) Fluoranthene	19.422	202	42900	4.658	ng	96
77) Benzidine	19.974	184	7296	2.697	ng	# 90
78) Pyrene	19.780	202	37995	4.434	ng	96
81) Benzo(a)anthracene	21.614	228	26593	2.805	ng	96
83) Chrysene	21.614	228	26593	2.969	ng	96
87) Indeno(1,2,3-cd)pyrene	28.500	276	27048	2.242	ng	# 77
88) Benzo(b)fluoranthene	23.817	252	51593	5.501	ng	99
89) Benzo(k)fluoranthene	23.817	252	51593	5.527	ng	# 99
90) Benzo(a)pyrene	24.681	252	30805	3.846	ng	99
92) Benzo(g,h,i)perylene	29.657	276	25943	2.650	ng	# 91

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

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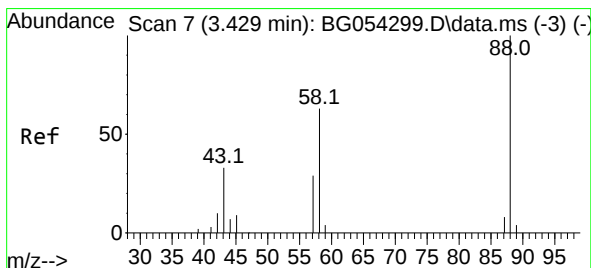
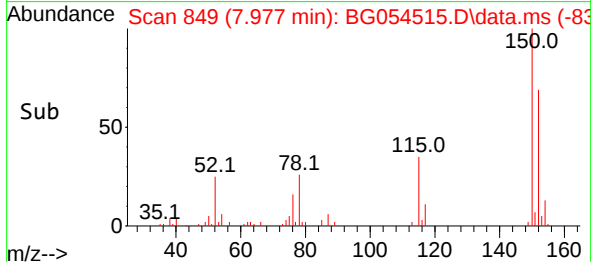
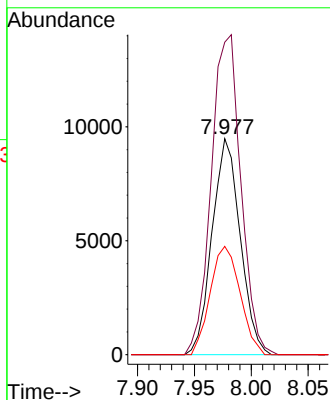
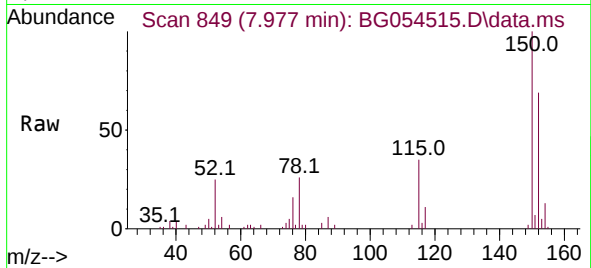




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

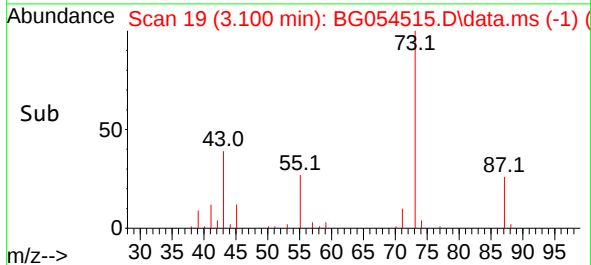
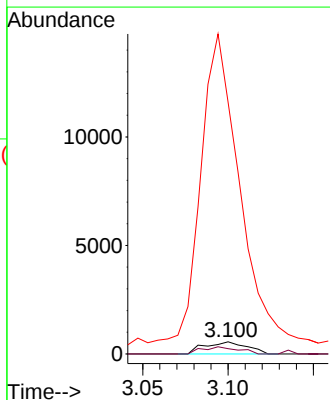
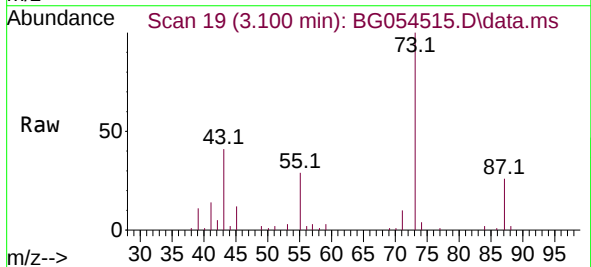
Instrument :
BNA_G
ClientSampleId :
RVE-115

Tgt Ion:152 Resp: 16295
Ion Ratio Lower Upper
152 100
150 144.7 131.6 197.4
115 50.1 50.9 76.3#



#2
1,4-Dioxane
Concen: 3.102 ng
RT: 3.100 min Scan# 19
Delta R.T. -0.317 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion: 88 Resp: 963
Ion Ratio Lower Upper
88 100
58 51.1 59.2 88.8#
43 2485.4 24.3 36.5#

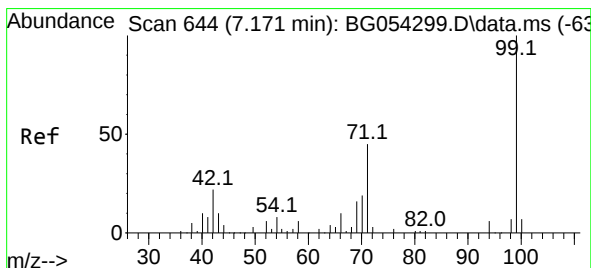
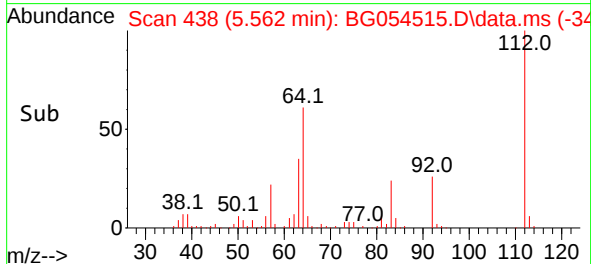
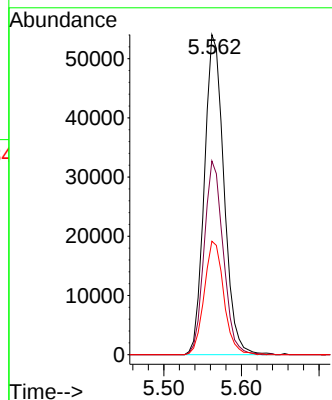
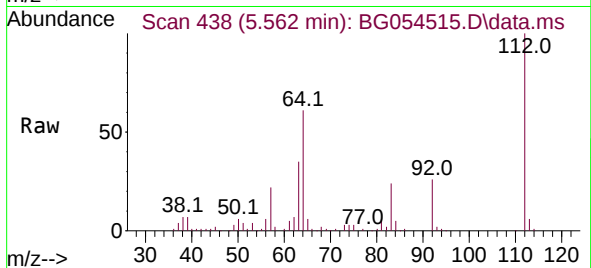




#5
2-Fluorophenol
Concen: 121.500 ng
RT: 5.562 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

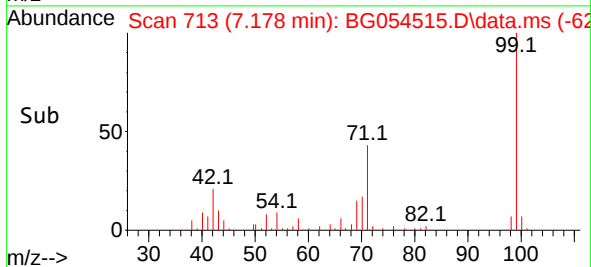
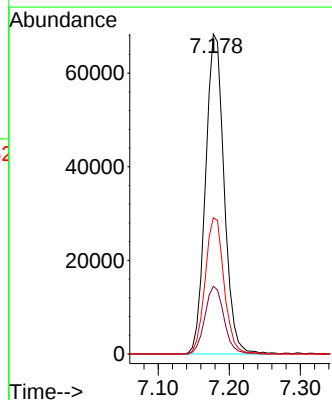
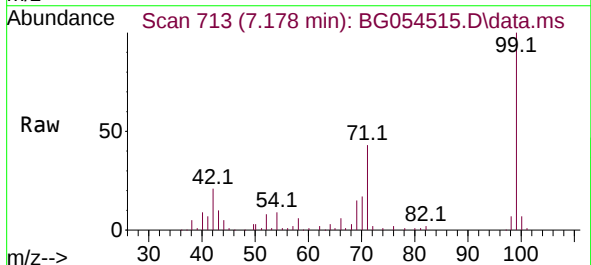
Instrument :
BNA_G
ClientSampleId :
RVE-115

Tgt Ion:112 Resp: 94825
Ion Ratio Lower Upper
112 100
64 60.6 55.1 82.7
63 35.5 30.4 45.6



#7
Phenol-d6
Concen: 116.509 ng
RT: 7.178 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion: 99 Resp: 124597
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 42.5 33.8 50.8

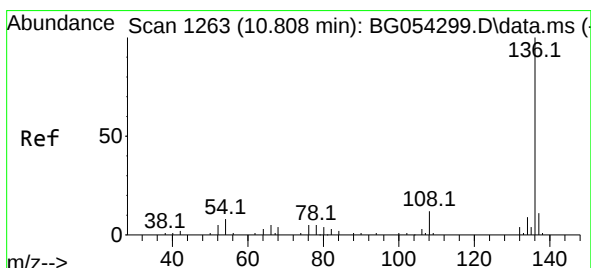
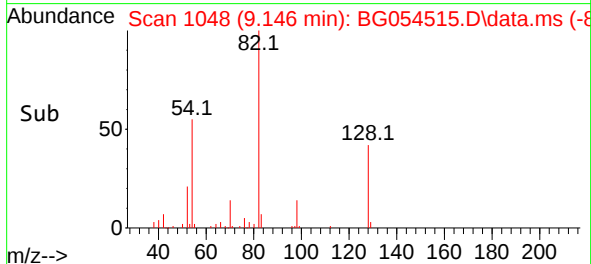
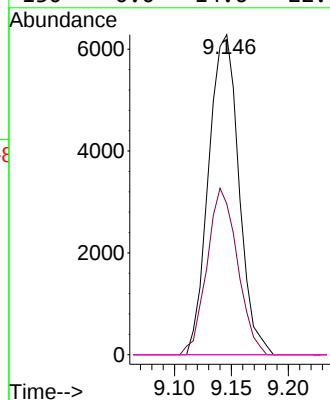
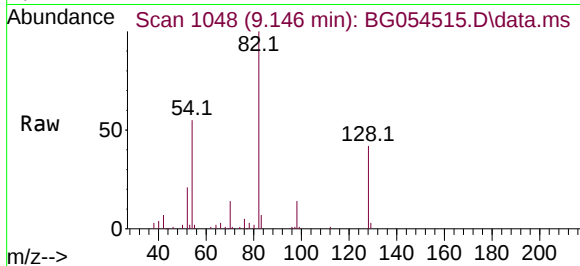




#19
n-Nitroso-di-n-propylamine
Concen: 16.304 ng
RT: 9.146 min Scan# 11643
Delta R.T. 0.353 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

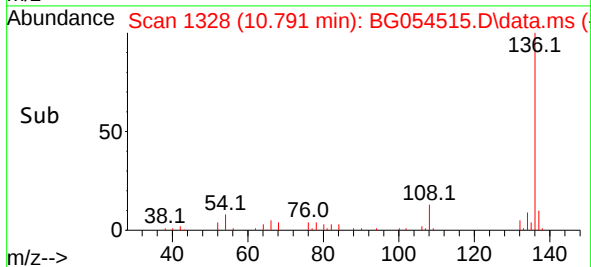
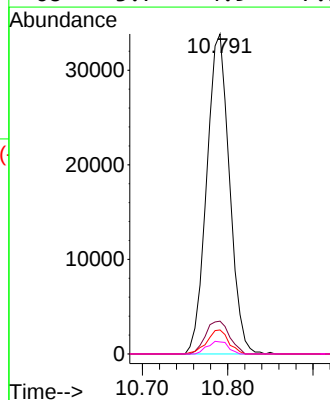
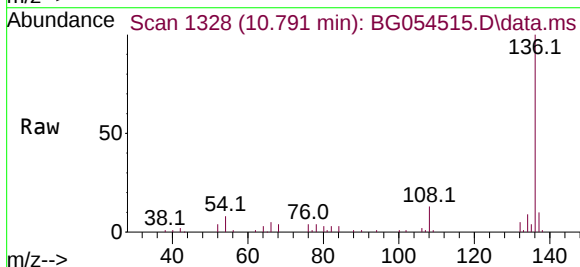
Instrument :
BNA_G
ClientSampleId :
RVE-115

Tgt Ion:	70	Resp:	11643
Ion	Ratio	Lower	Upper
70	100		
42	47.1	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: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:	136	Resp:	62529
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	7.5	7.4	11.2
68	3.7	4.9	7.3#

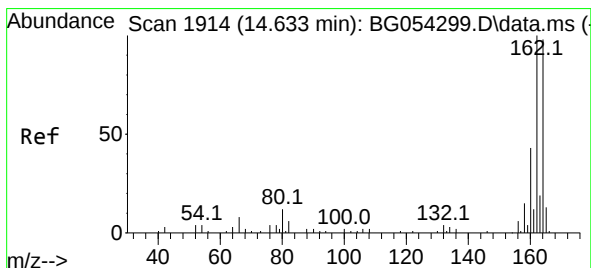
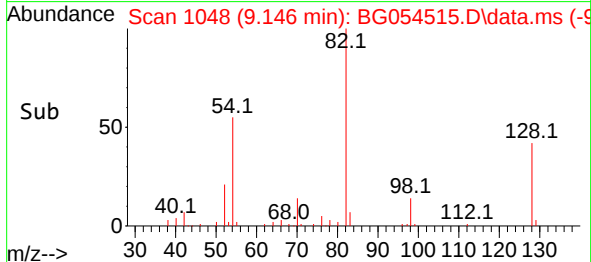
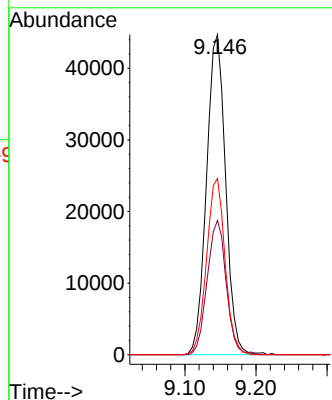
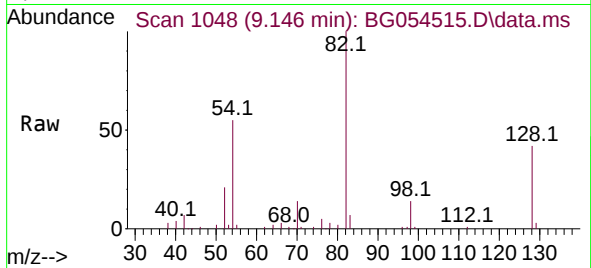




#23
Nitrobenzene-d5
Concen: 72.614 ng
RT: 9.146 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

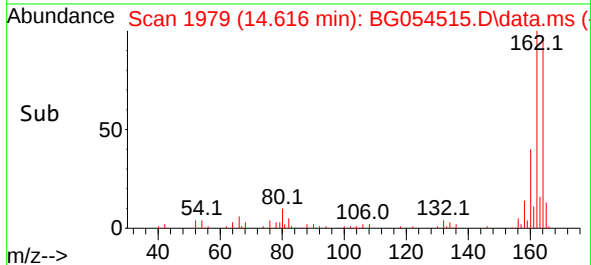
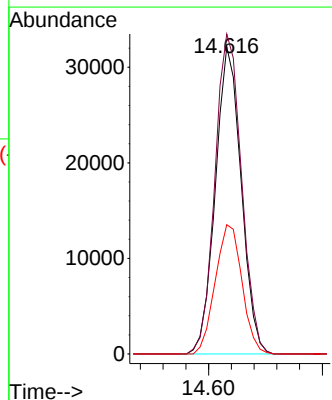
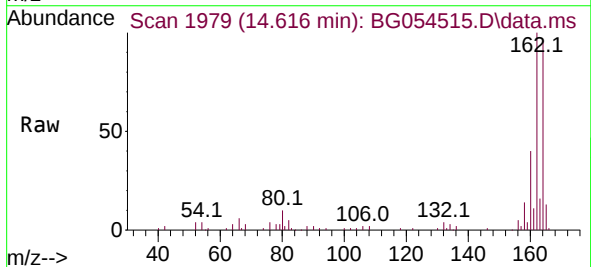
Instrument :
BNA_G
ClientSampleId :
RVE-115

Tgt Ion: 82 Resp: 83377
Ion Ratio Lower Upper
82 100
128 41.9 27.9 41.9#
54 55.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:164 Resp: 50696
Ion Ratio Lower Upper
164 100
162 104.2 82.3 123.5
160 42.1 34.2 51.2

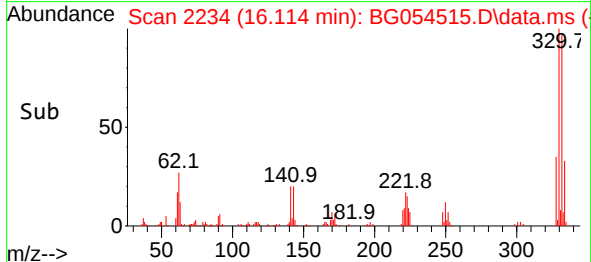
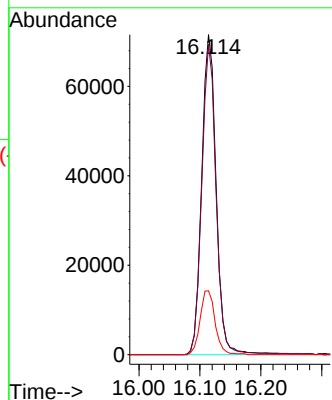
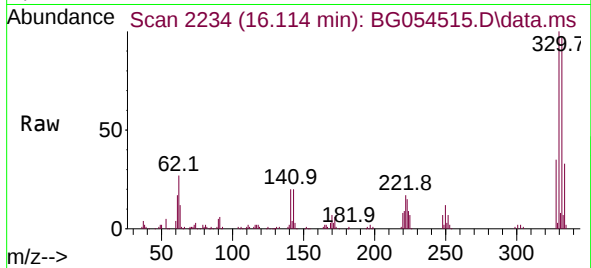




#42
2,4,6-Tribromophenol
Concen: 110.413 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

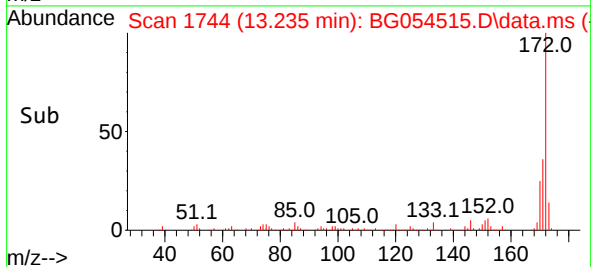
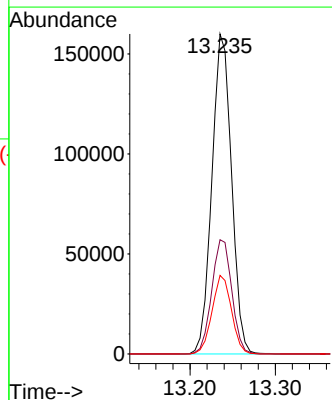
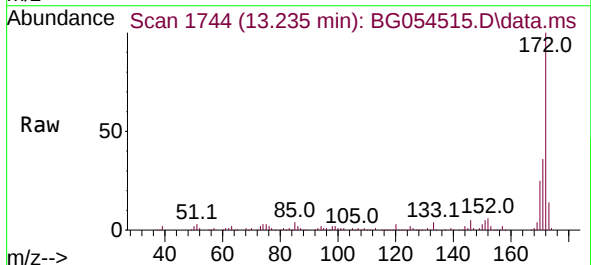
Instrument :
BNA_G
ClientSampleId :
RVE-115

Tgt Ion:330 Resp: 117527
Ion Ratio Lower Upper
330 100
332 95.5 76.0 114.0
141 20.8 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 71.289 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:172 Resp: 256190
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 24.5 18.9 28.3

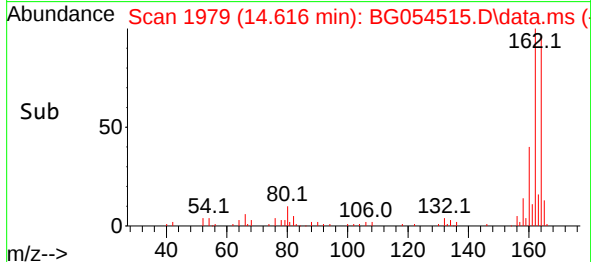
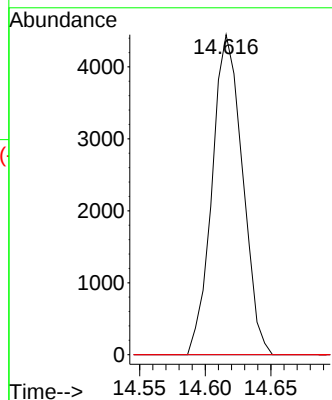
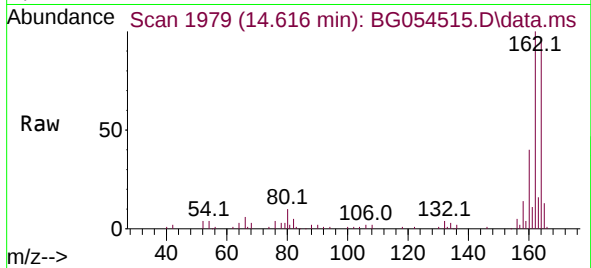




#51
2,6-Dinitrotoluene
Concen: 8.242 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

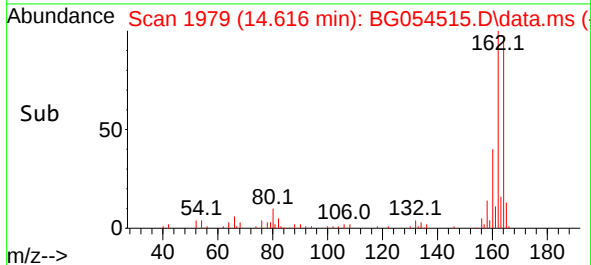
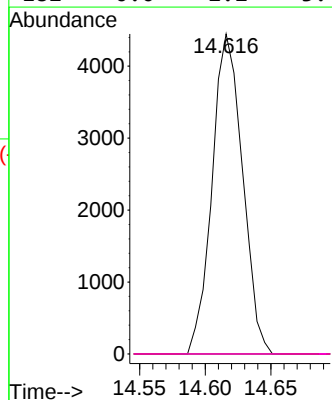
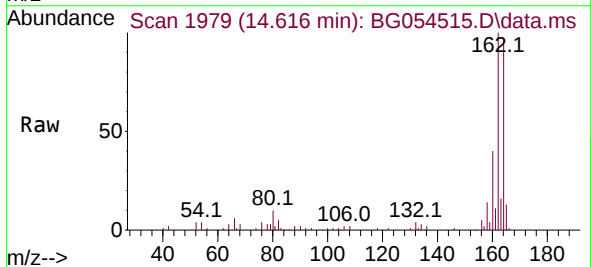
Instrument :
BNA_G
ClientSampleId :
RVE-115

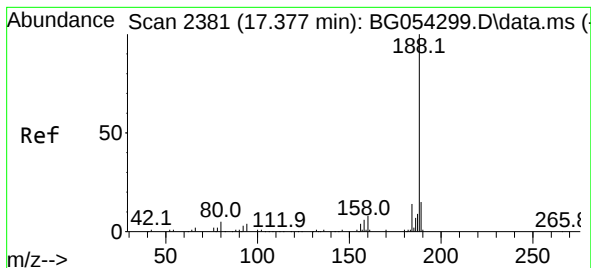
Tgt Ion:165 Resp: 7159
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.750 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:165 Resp: 7159
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: 17.366 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BG054515.D

Acq: 4 Aug 2022 12:08

Instrument :

BNA_G

ClientSampleId :

RVE-115

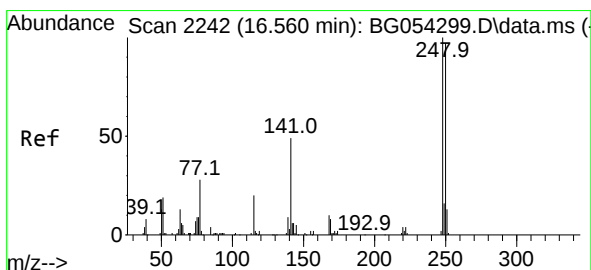
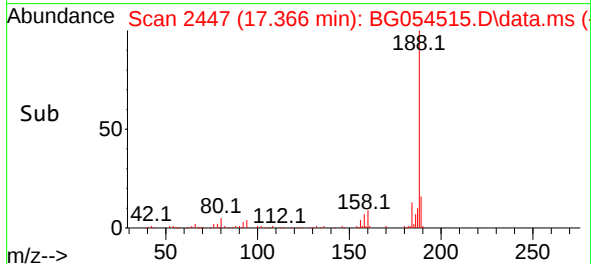
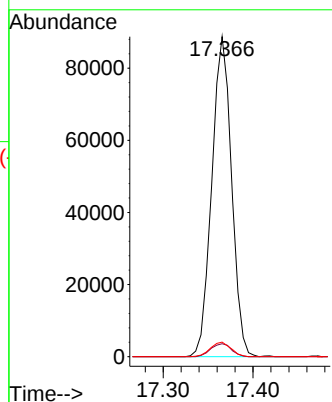
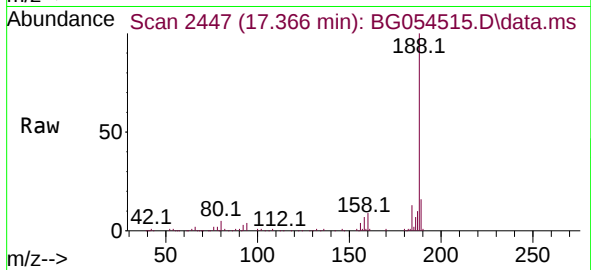
Tgt Ion:188 Resp: 135674

Ion Ratio Lower Upper

188 100

94 4.1 5.4 8.0#

80 4.5 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.747 ng

RT: 16.114 min Scan# 2234

Delta R.T. -0.441 min

Lab File: BG054515.D

Acq: 4 Aug 2022 12:08

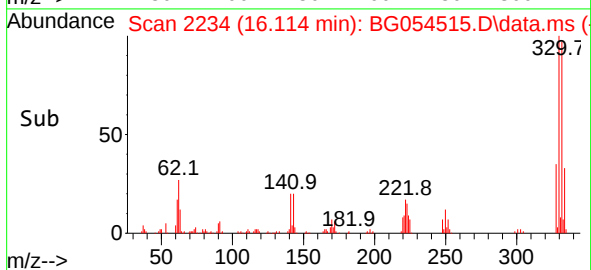
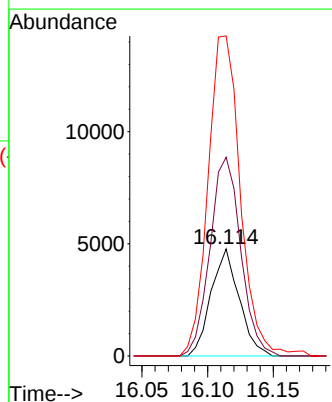
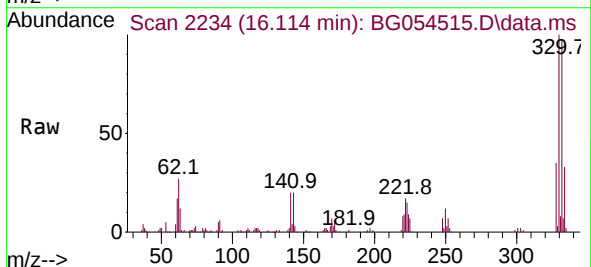
Tgt Ion:248 Resp: 7139

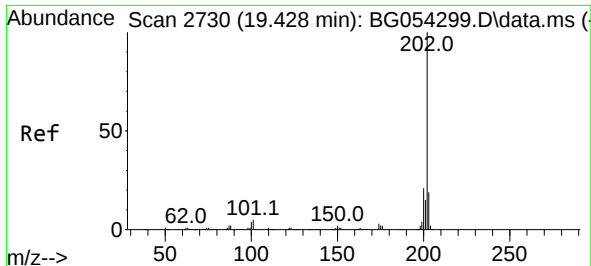
Ion Ratio Lower Upper

248 100

250 148.3 75.2 112.8#

141 238.9 50.0 75.0#

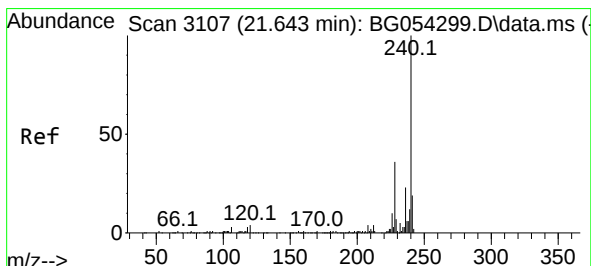
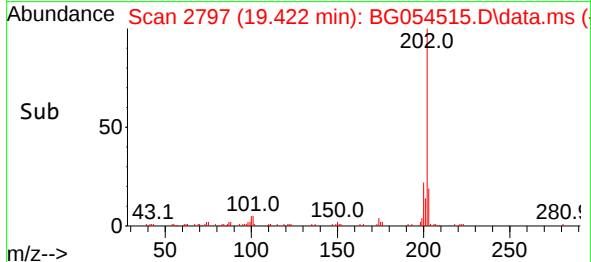
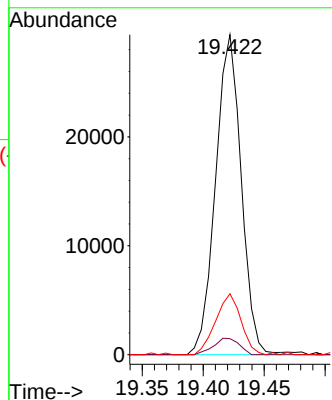
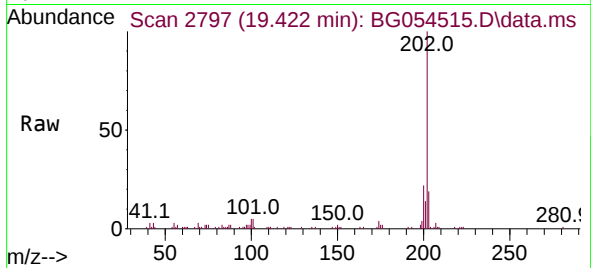




#75
Fluoranthene
Concen: 4.658 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

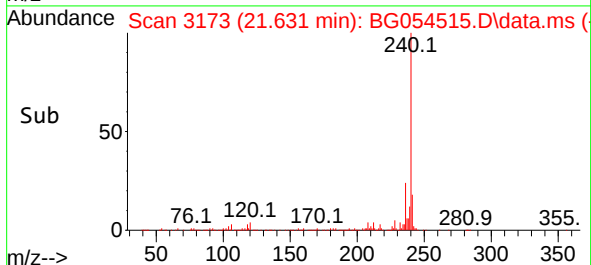
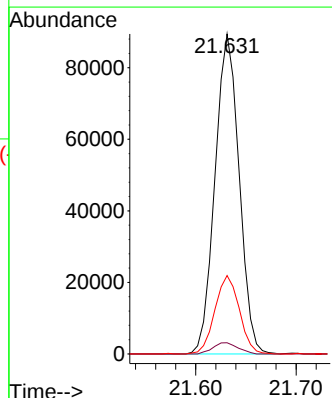
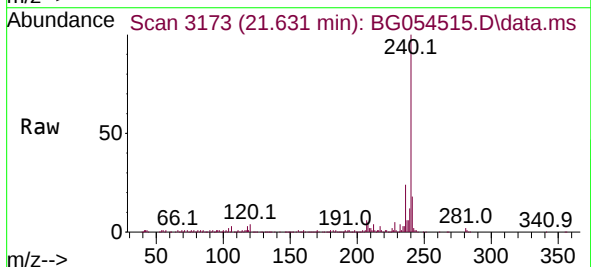
Instrument :
BNA_G
ClientSampleId :
RVE-115

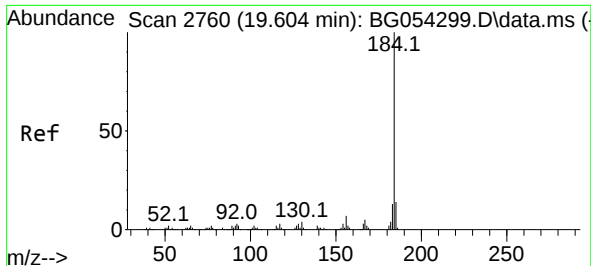
Tgt Ion:202 Resp: 42900
Ion Ratio Lower Upper
202 100
101 5.8 0.0 26.9
203 19.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:240 Resp: 149347
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.5 20.2 30.4

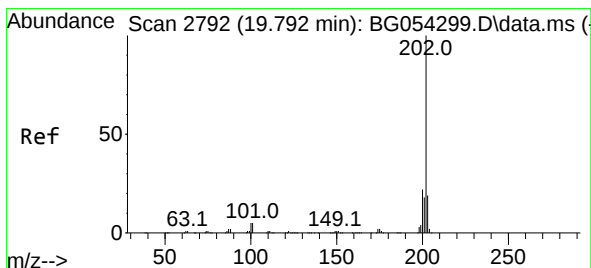
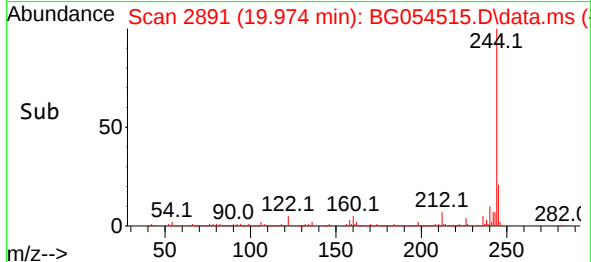
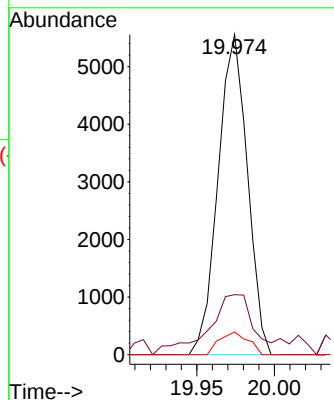
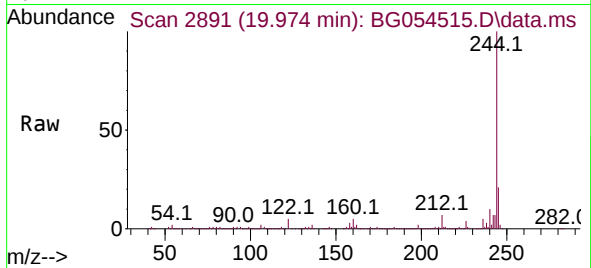




#77
Benzidine
Concen: 2.697 ng
RT: 19.974 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

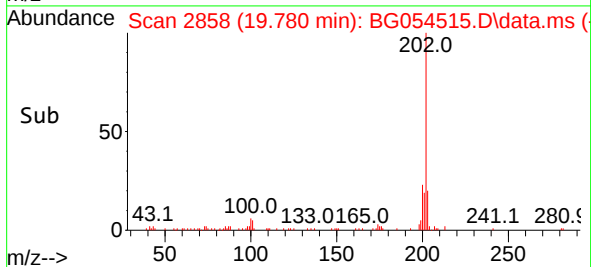
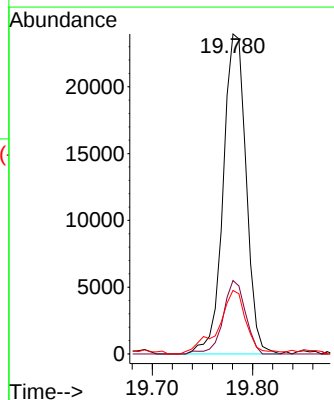
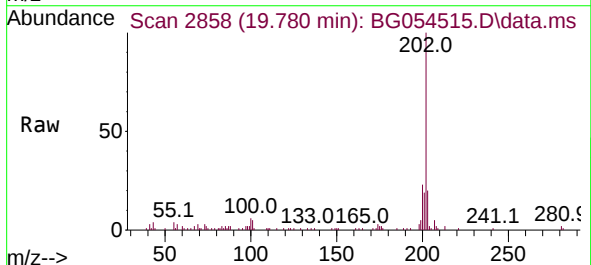
Instrument :
BNA_G
ClientSampleId :
RVE-115

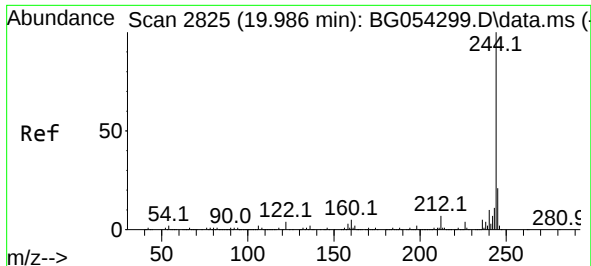
Tgt Ion:184 Resp: 7296
Ion Ratio Lower Upper
184 100
185 18.7 11.8 17.6#
183 7.1 8.9 13.3#



#78
Pyrene
Concen: 4.434 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:202 Resp: 37995
Ion Ratio Lower Upper
202 100
200 22.9 16.6 24.8
203 19.8 14.6 21.8

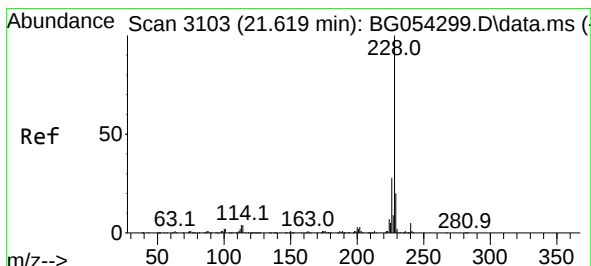
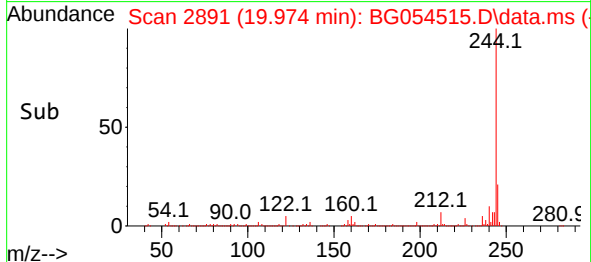
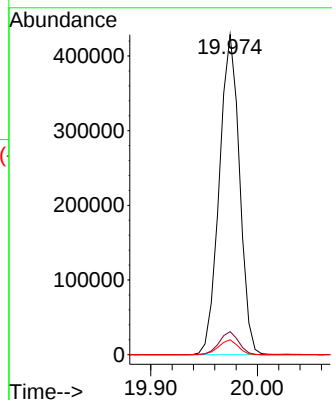
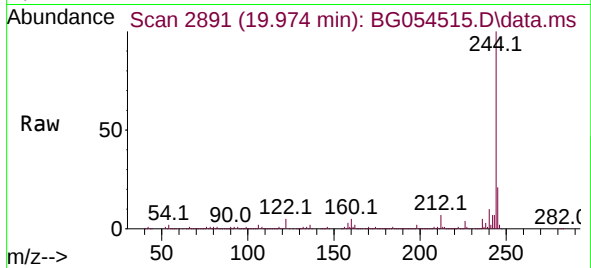




#79
 Terphenyl-d14
 Concen: 74.859 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054515.D
 Acq: 4 Aug 2022 12:08

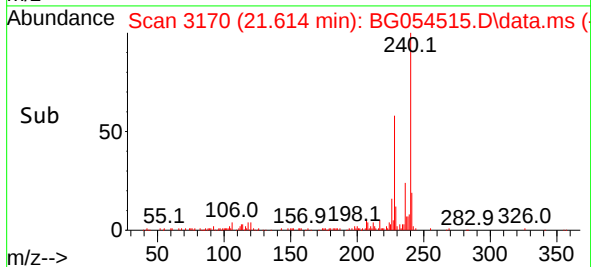
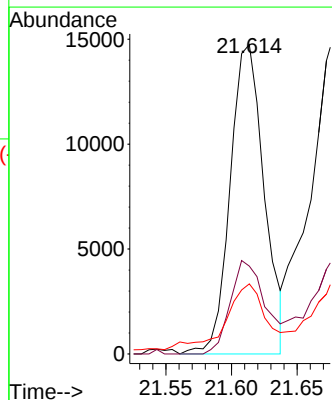
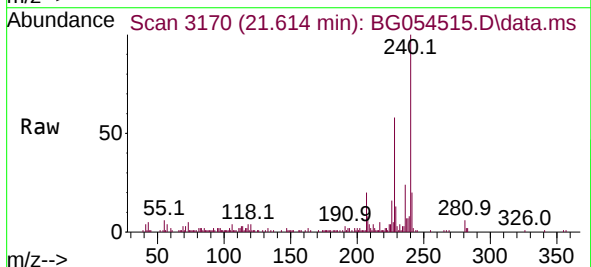
Instrument :
 BNA_G
 ClientSampleId :
 RVE-115

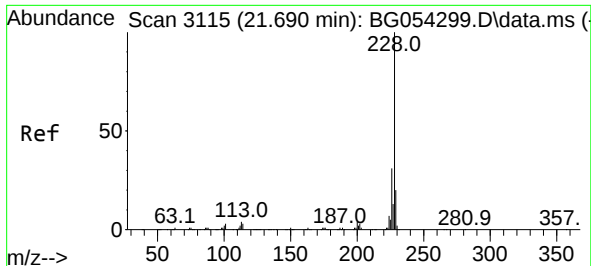
Tgt Ion:244 Resp: 563564
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.6 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.805 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.000 min
 Lab File: BG054515.D
 Acq: 4 Aug 2022 12:08

Tgt Ion:228 Resp: 26593
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 22.7 16.2 24.2

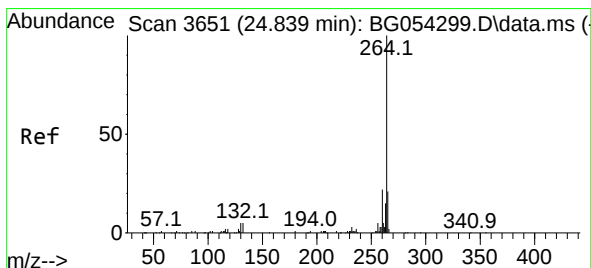
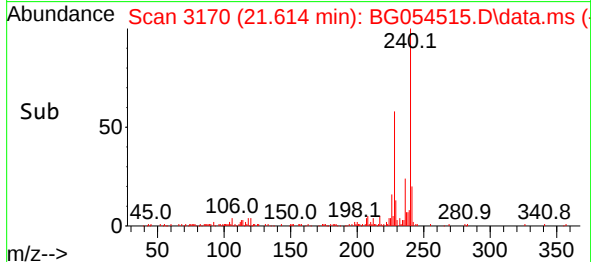
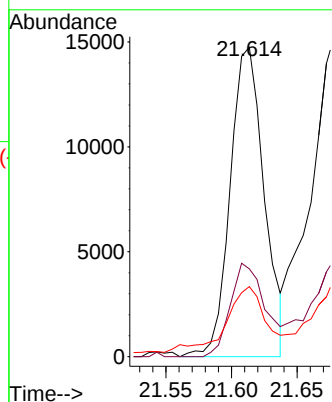
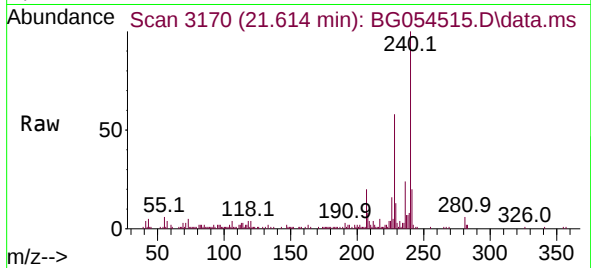




#83
Chrysene
Concen: 2.969 ng
RT: 21.614 min Scan# 3115
Delta R.T. -0.070 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

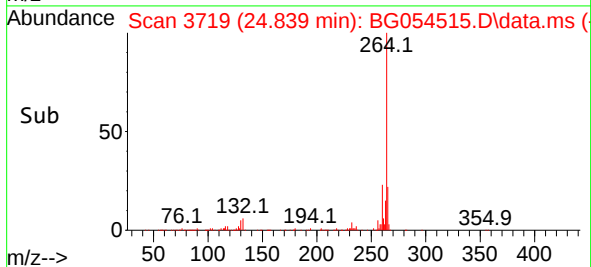
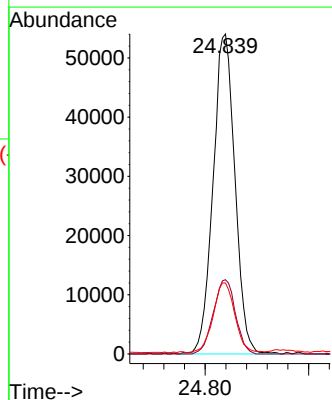
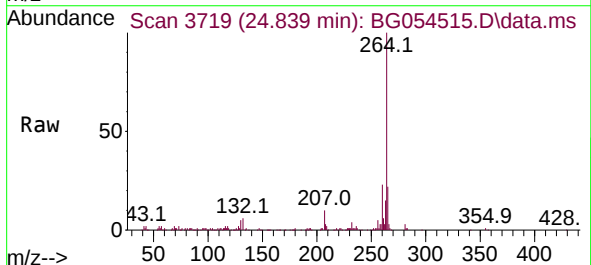
Instrument :
BNA_G
ClientSampleId :
RVE-115

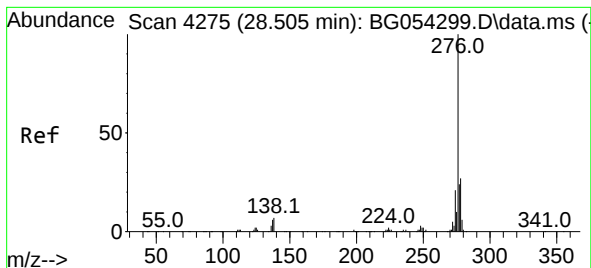
Tgt Ion:228 Resp: 26593
Ion Ratio Lower Upper
228 100
226 28.4 23.4 35.2
229 22.7 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3719
Delta R.T. 0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

Tgt Ion:264 Resp: 158592
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.242 ng

RT: 28.500 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG054515.D

Acq: 4 Aug 2022 12:08

Instrument :

BNA_G

ClientSampleId :

RVE-115

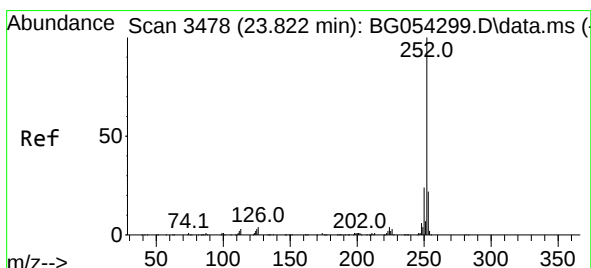
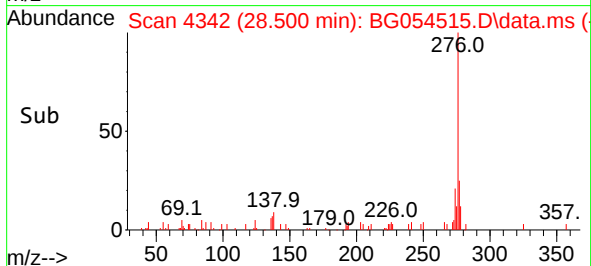
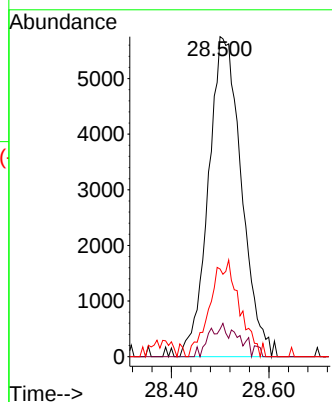
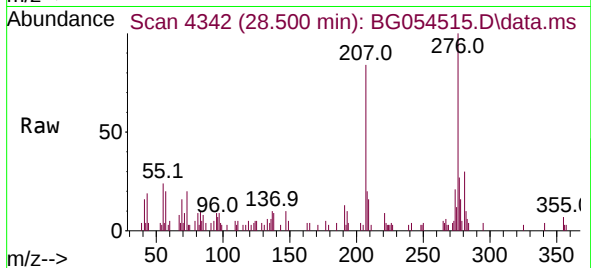
Tgt Ion:276 Resp: 27048

Ion Ratio Lower Upper

276 100

138 1.0 5.0 7.4#

277 13.0 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 5.501 ng

RT: 23.817 min Scan# 3545

Delta R.T. -0.006 min

Lab File: BG054515.D

Acq: 4 Aug 2022 12:08

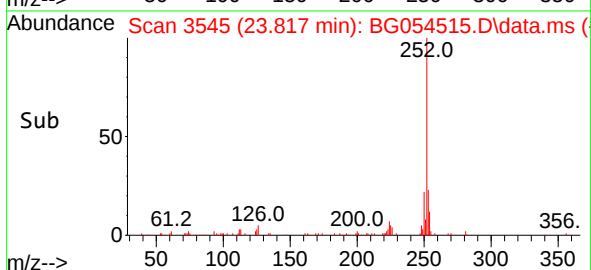
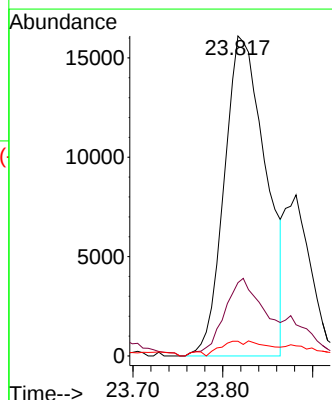
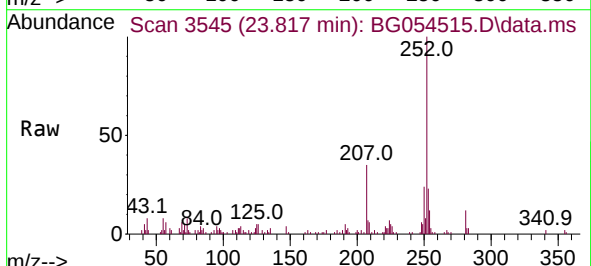
Tgt Ion:252 Resp: 51593

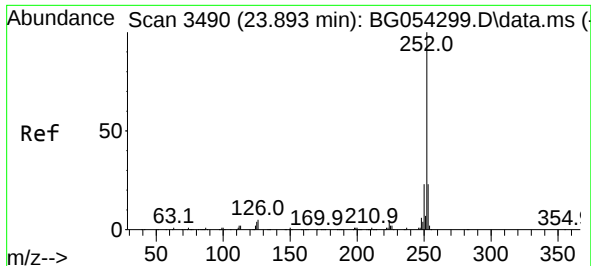
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 4.6 4.6 6.8

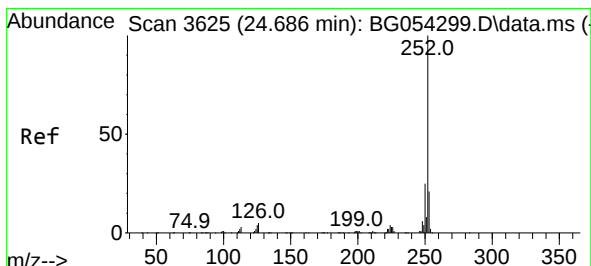
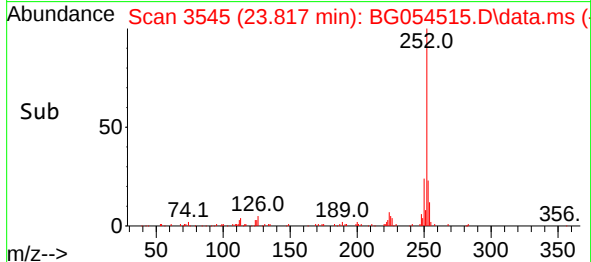
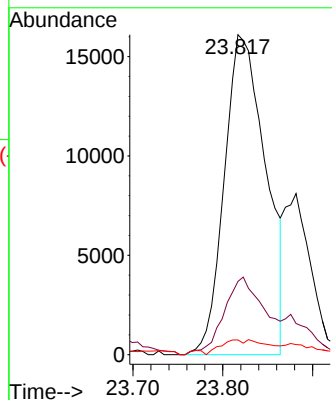
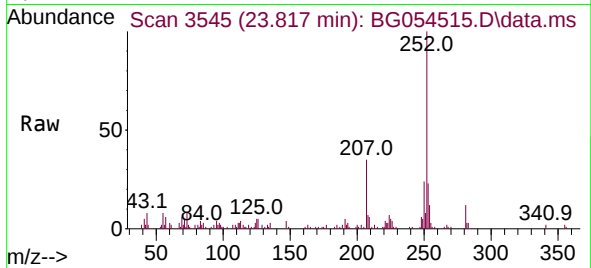




#89
Benzo(k)fluoranthene
Concen: 5.527 ng
RT: 23.817 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

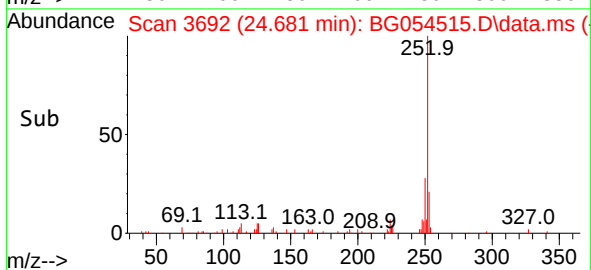
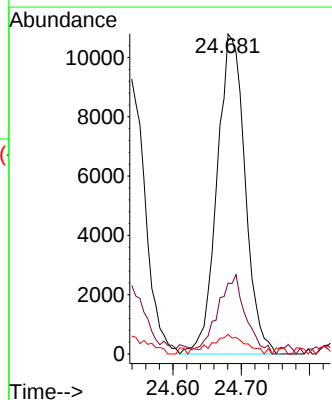
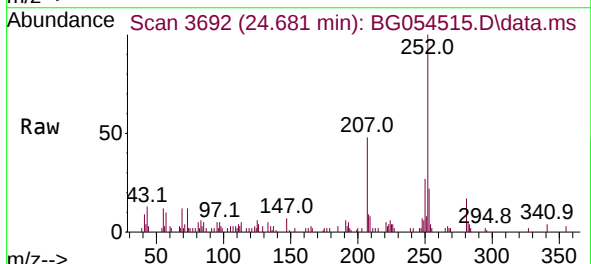
Instrument :
BNA_G
ClientSampleId :
RVE-115

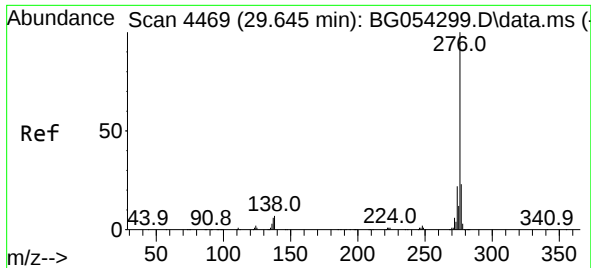
Tgt Ion:252 Resp: 51593
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 4.6 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.846 ng
RT: 24.681 min Scan# 3692
Delta R.T. -0.006 min
Lab File: BG054515.D
Acq: 4 Aug 2022 12:08

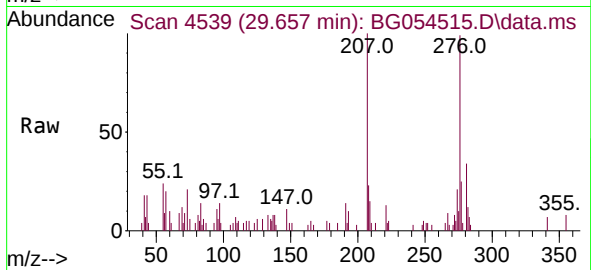
Tgt Ion:252 Resp: 30805
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.650 ng
 RT: 29.657 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BG054515.D
 Acq: 4 Aug 2022 12:08

Instrument :
 BNA_G
 ClientSampleId :
 RVE-115



Tgt Ion:	276	Resp:	25943
Ion Ratio	Lower	Upper	
276	100		
277	25.7	17.3	25.9
138	7.8	9.6	14.4#

