

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054517.D
 Acq On : 4 Aug 2022 13:30
 Operator : CG/JU
 Sample : N3931-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-119D

Quant Time: Aug 04 14:45:28 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)

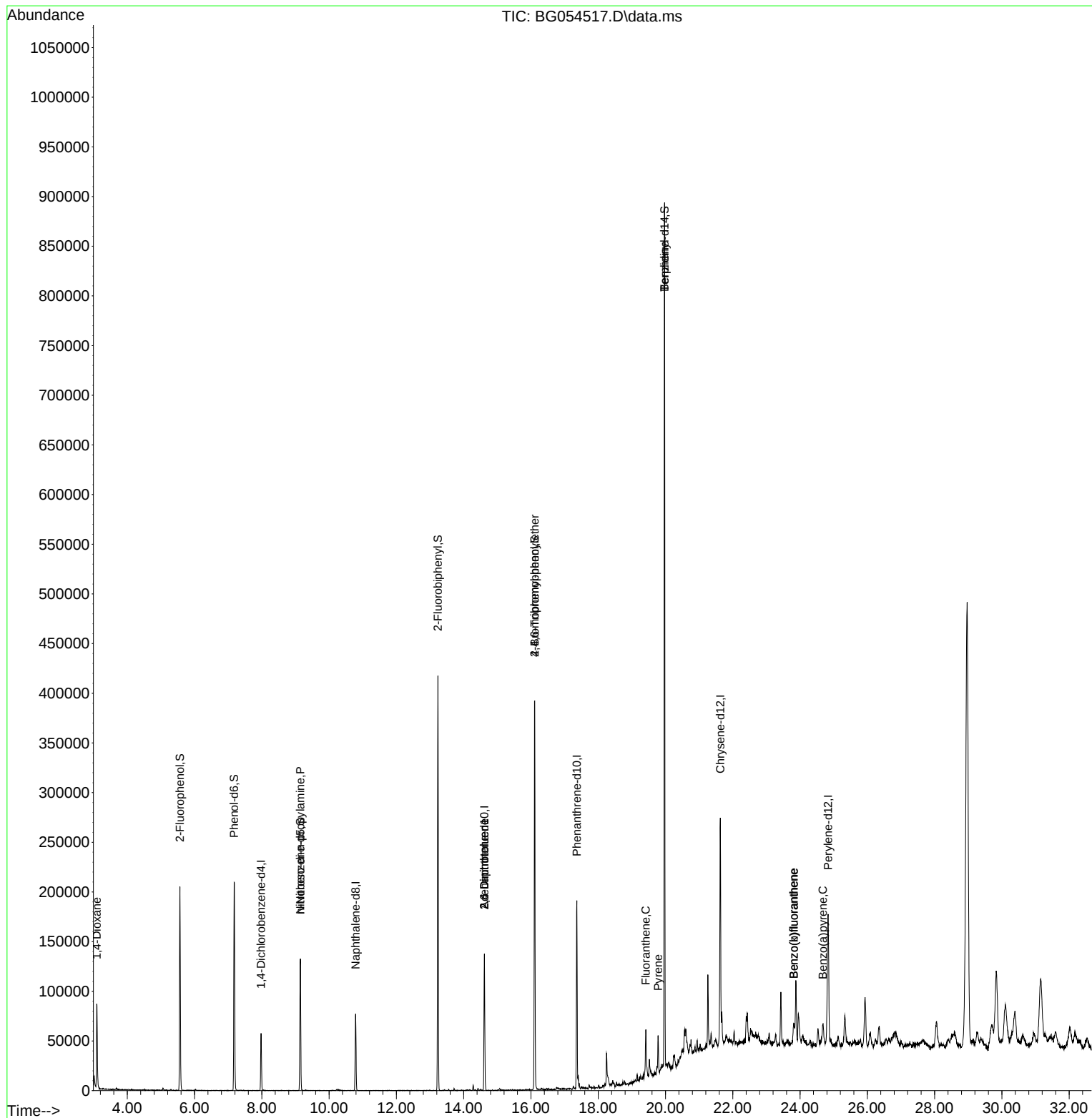
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	19234	20.000	ng	-0.01
21) Naphthalene-d8	10.790	136	71586	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	55107	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	137775	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	152793	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	160211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	93987	102.025	ng	0.00
7) Phenol-d6	7.177	99	124586	98.698	ng	0.00
23) Nitrobenzene-d5	9.145	82	82787	62.978	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	108697	93.944	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	248204	63.538	ng	-0.01
79) Terphenyl-d14	19.973	244	508075	65.966	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.093	88	911	2.486	ng	# 1
9) Benzaldehyde	7.171	77	63	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.145	70	11983	14.216	ng	# 76
51) 2,6-Dinitrotoluene	14.615	165	7361	7.797	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7361	5.439	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	6448	3.332	ng	# 1
75) Fluoranthene	19.415	202	24797	2.651	ng	96
77) Benzidine	19.973	184	6148	2.222	ng	98
78) Pyrene	19.780	202	24752	2.823	ng	97
88) Benzo(b)fluoranthene	23.816	252	28493	3.007	ng	96
89) Benzo(k)fluoranthene	23.816	252	28493	3.022	ng	98
90) Benzo(a)pyrene	24.680	252	18605	2.299	ng	# 96

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

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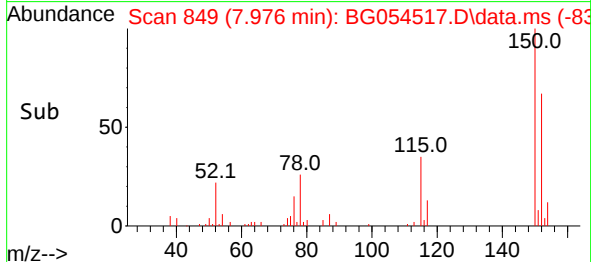
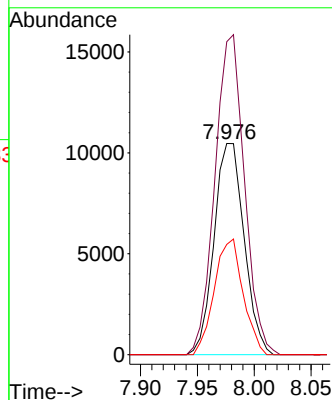
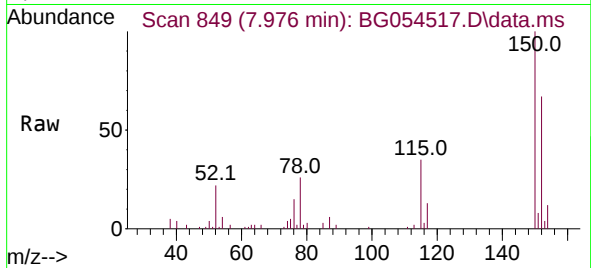




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. -0.012 min
 Lab File: BG054517.D
 Acq: 4 Aug 2022 13:30

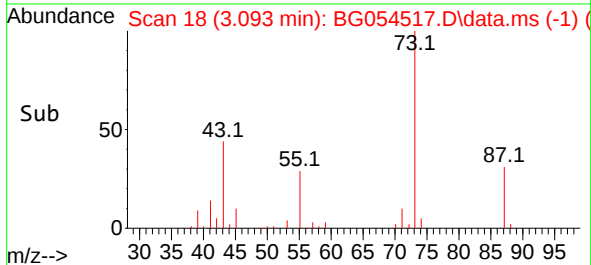
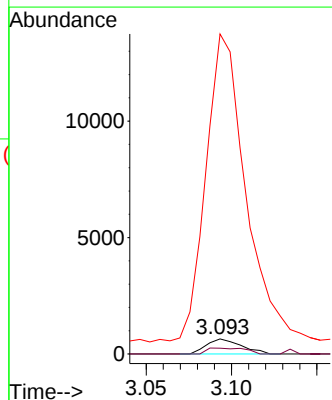
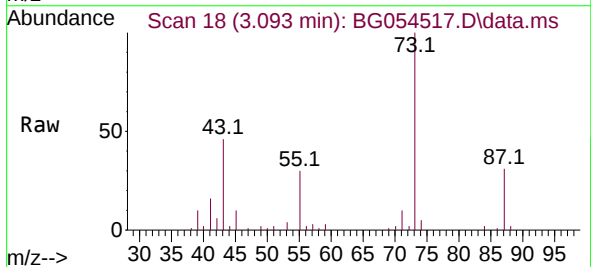
Instrument :
 BNA_G
 ClientSampleId :
 RVE-119D

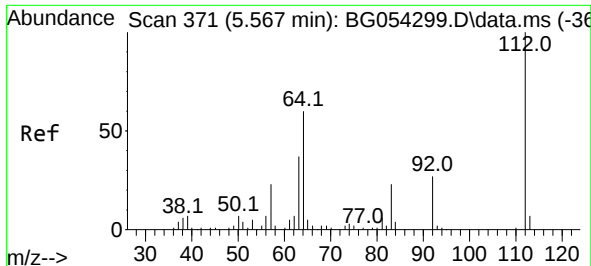
Tgt Ion:152 Resp: 19234
 Ion Ratio Lower Upper
 152 100
 150 148.2 131.6 197.4
 115 52.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.486 ng
 RT: 3.093 min Scan# 18
 Delta R.T. -0.324 min
 Lab File: BG054517.D
 Acq: 4 Aug 2022 13:30

Tgt Ion: 88 Resp: 911
 Ion Ratio Lower Upper
 88 100
 58 43.9 59.2 88.8#
 43 2502.2 24.3 36.5#

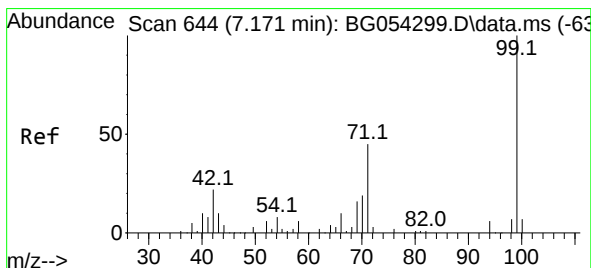
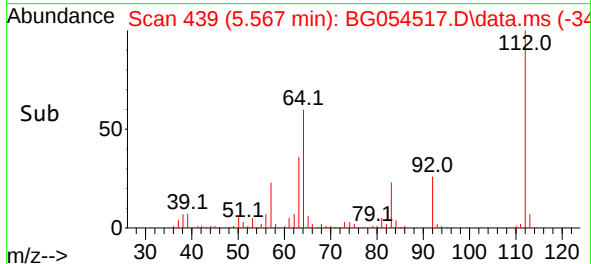
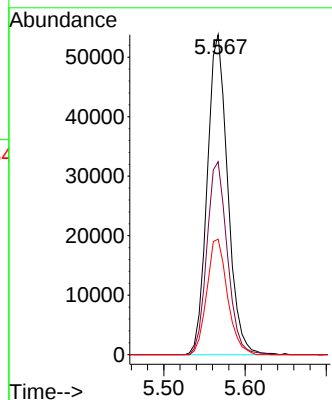
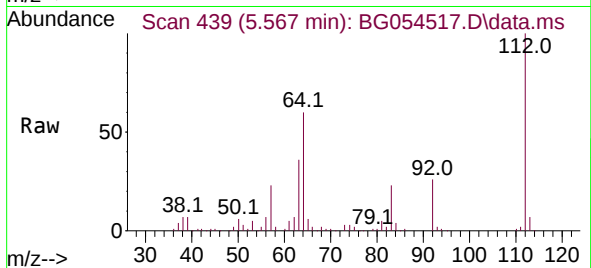




#5
2-Fluorophenol
Concen: 102.025 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

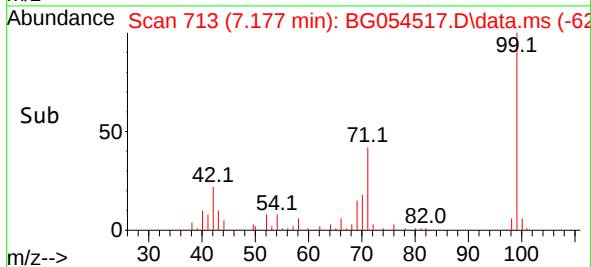
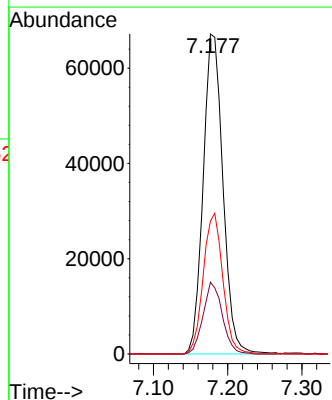
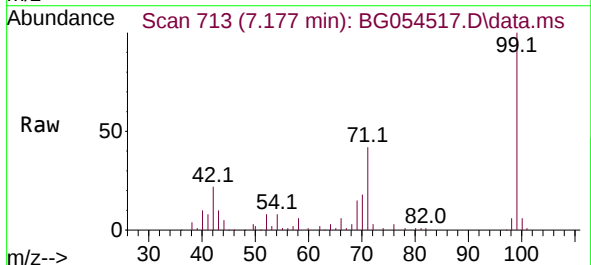
Instrument :
BNA_G
ClientSampleId :
RVE-119D

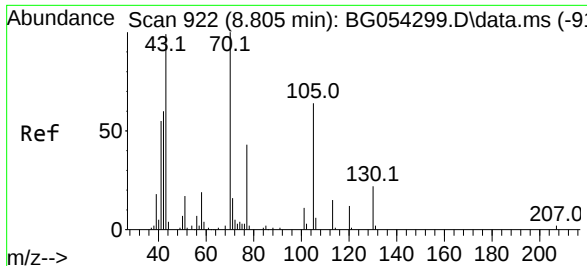
Tgt Ion:112 Resp: 93987
Ion Ratio Lower Upper
112 100
64 60.3 55.1 82.7
63 36.1 30.4 45.6



#7
Phenol-d6
Concen: 98.698 ng
RT: 7.177 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion: 99 Resp: 124586
Ion Ratio Lower Upper
99 100
42 22.5 17.0 25.6
71 41.5 33.8 50.8

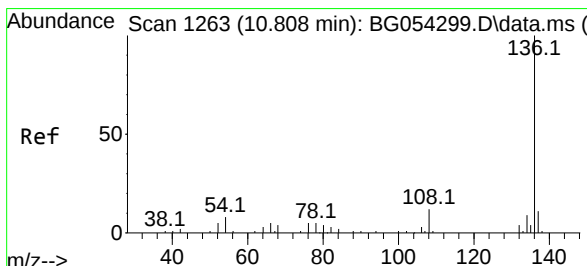
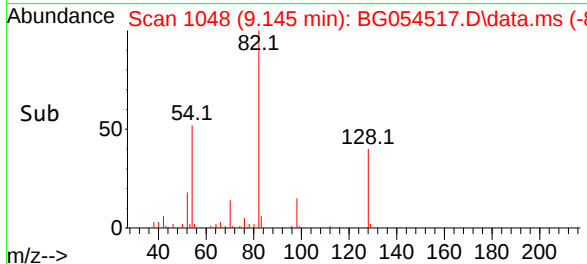
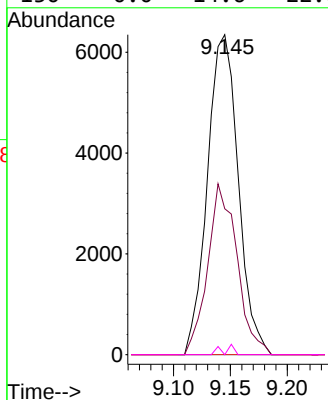
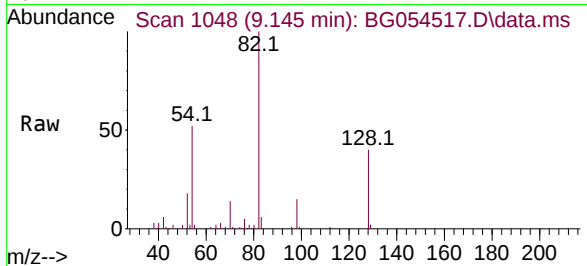




#19
n-Nitroso-di-n-propylamine
Concen: 14.216 ng
RT: 9.145 min Scan# 11983
Delta R.T. 0.352 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

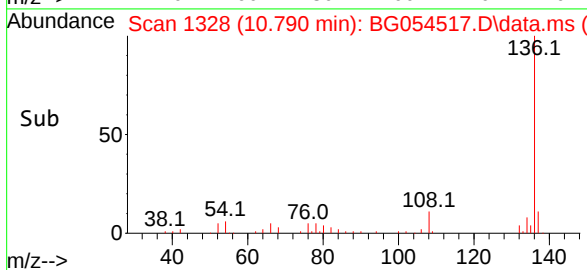
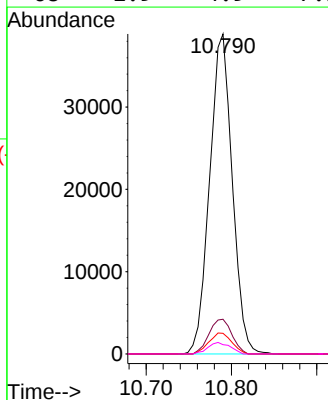
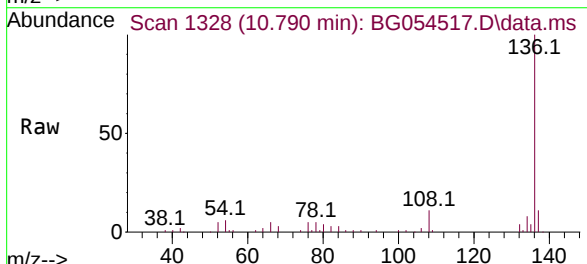
Instrument :
BNA_G
ClientSampleId :
RVE-119D

Tgt Ion: 70	Resp: 11983
Ion Ratio	Lower Upper
70 100	
42 45.6	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: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion: 136	Resp: 71586
Ion Ratio	Lower Upper
136 100	
137 10.9	8.5 12.7
54 6.5	7.4 11.2#
68 2.9	4.9 7.3#

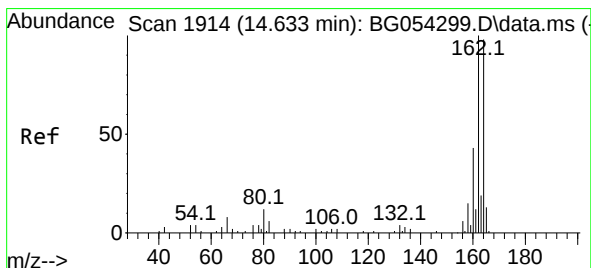
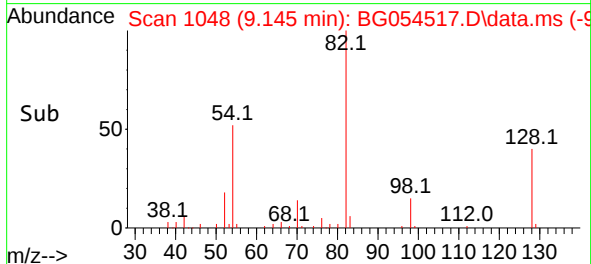
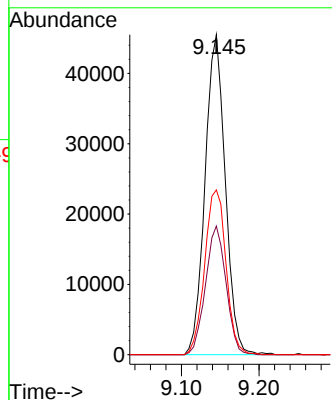
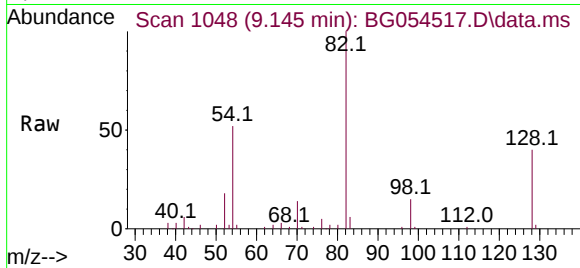




#23
Nitrobenzene-d5
Concen: 62.978 ng
RT: 9.145 min Scan# 1048
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

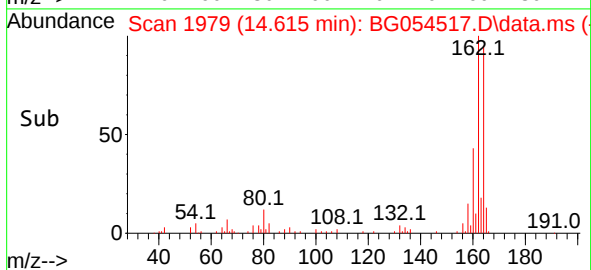
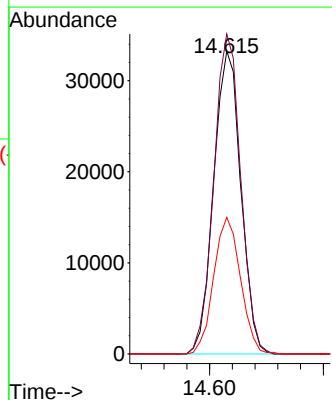
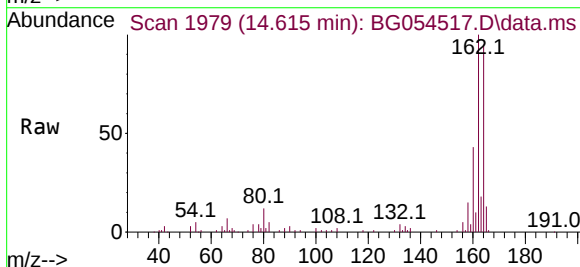
Instrument :
BNA_G
ClientSampleId :
RVE-119D

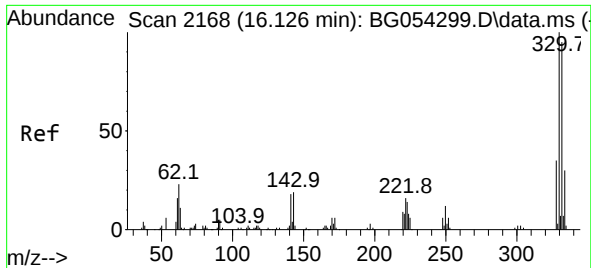
Tgt Ion: 82 Resp: 82787
Ion Ratio Lower Upper
82 100
128 40.2 27.9 41.9
54 51.5 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion:164 Resp: 55107
Ion Ratio Lower Upper
164 100
162 105.6 82.3 123.5
160 45.1 34.2 51.2

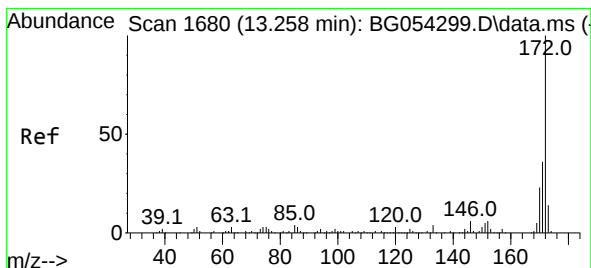
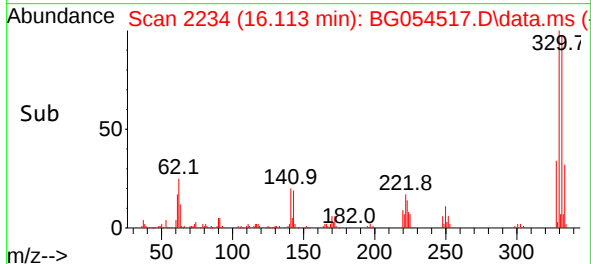
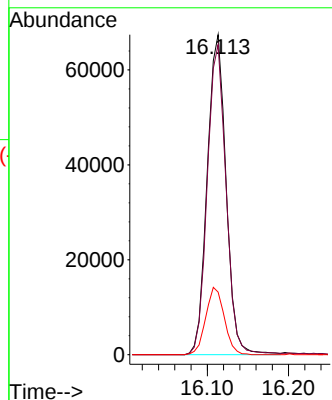
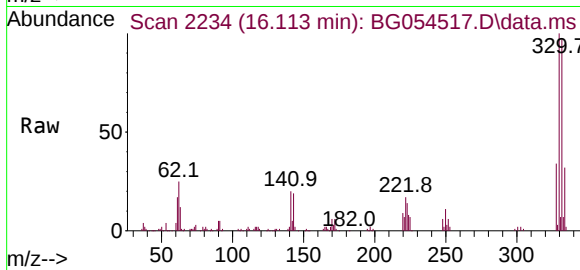




#42
2,4,6-Tribromophenol
Concen: 93.944 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

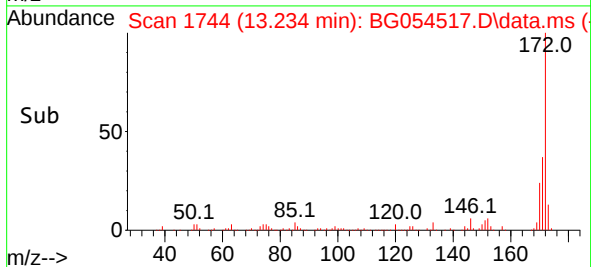
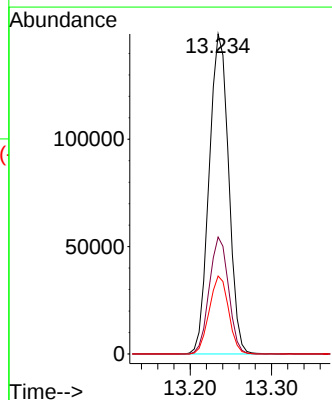
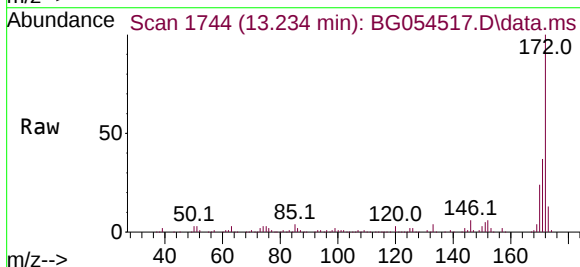
Instrument :
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ClientSampleId :
RVE-119D

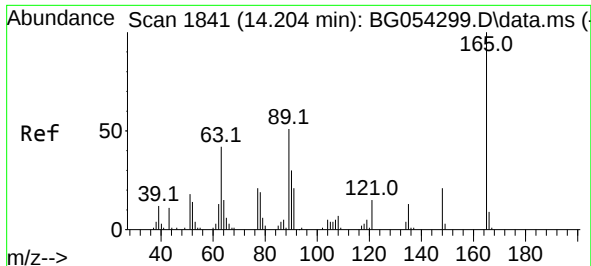
Tgt Ion:330 Resp: 108697
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 20.7 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 63.538 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.013 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion:172 Resp: 248204
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.4 18.9 28.3

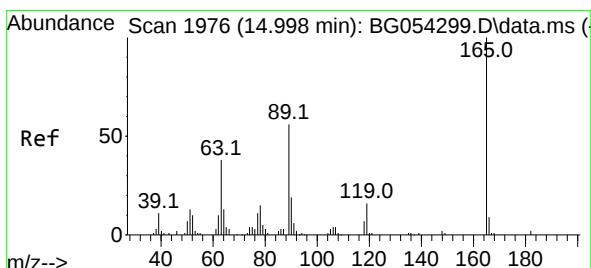
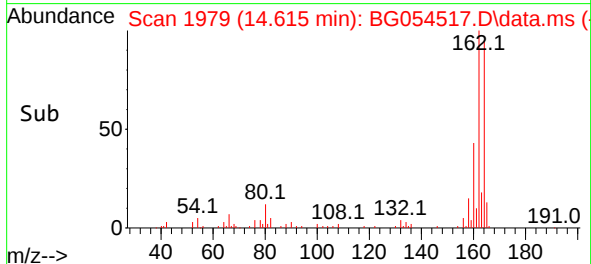
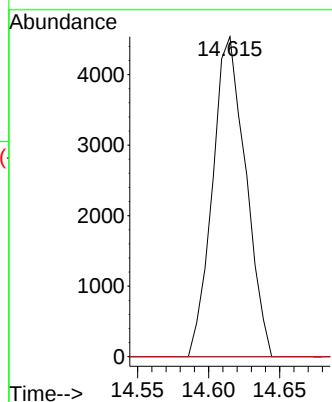
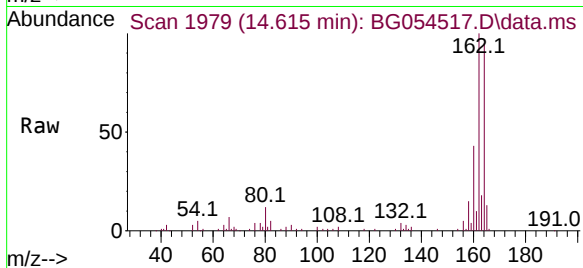




#51
2,6-Dinitrotoluene
Concen: 7.797 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.416 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

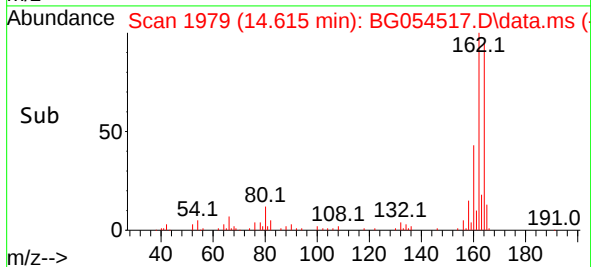
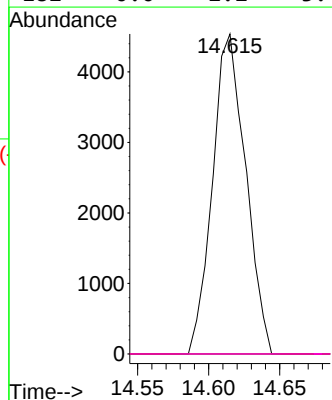
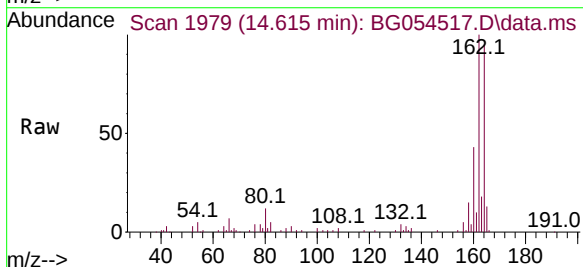
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RVE-119D

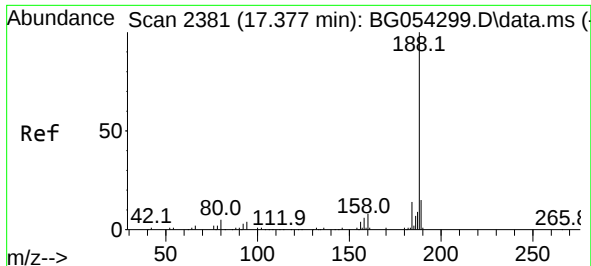
Tgt Ion:165 Resp: 7361
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.439 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.377 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion:165 Resp: 7361
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#

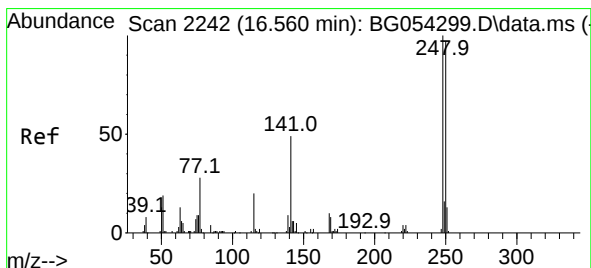
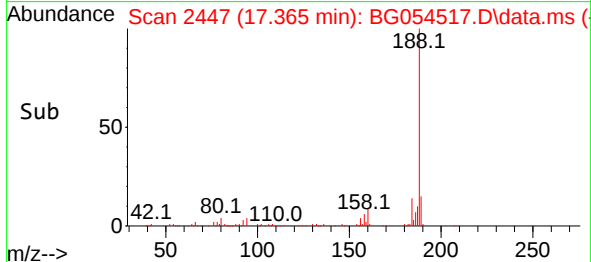
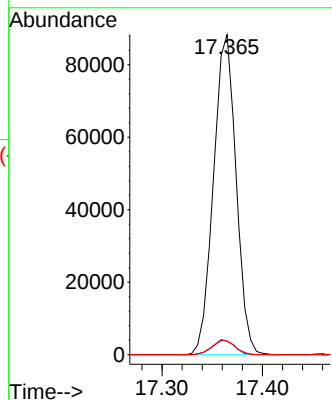
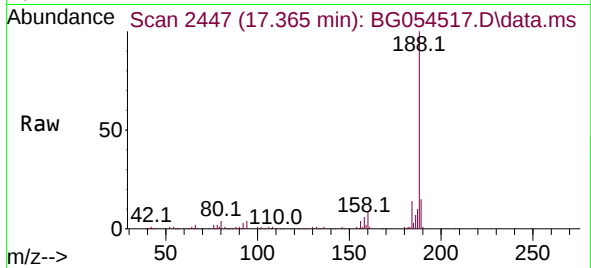




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

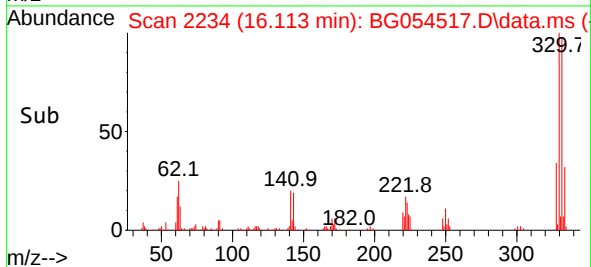
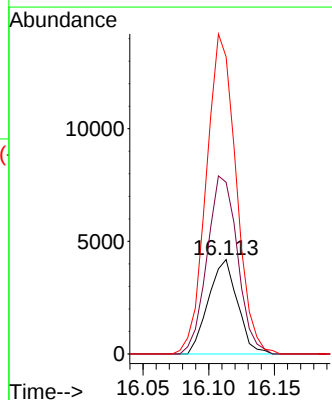
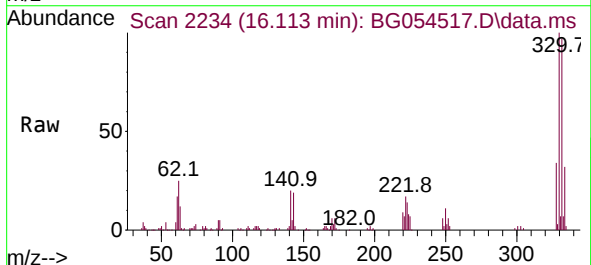
Instrument :
BNA_G
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RVE-119D

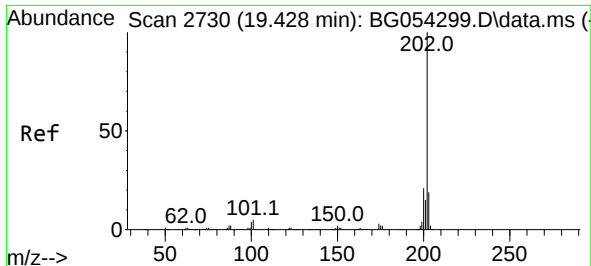
Tgt Ion:188 Resp: 137775
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.2 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.332 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.442 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion:248 Resp: 6448
Ion Ratio Lower Upper
248 100
250 184.5 75.2 112.8#
141 247.6 50.0 75.0#

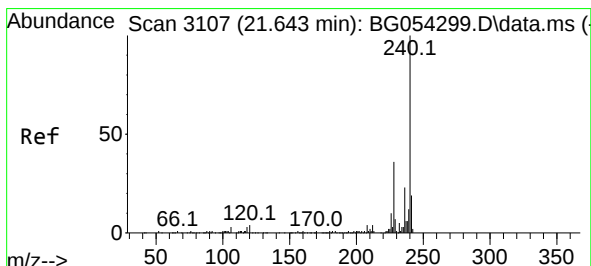
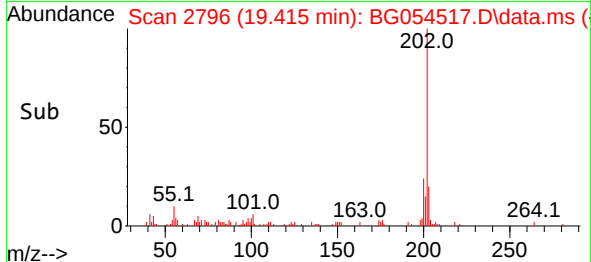
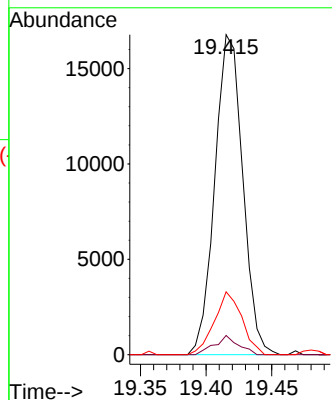
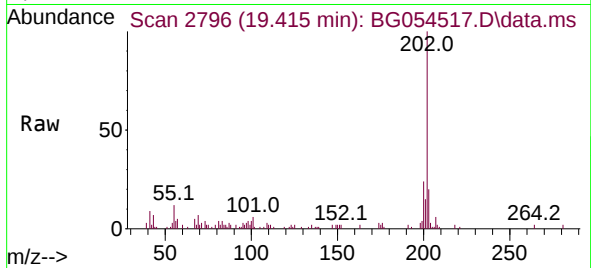




#75
Fluoranthene
Concen: 2.651 ng
RT: 19.415 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

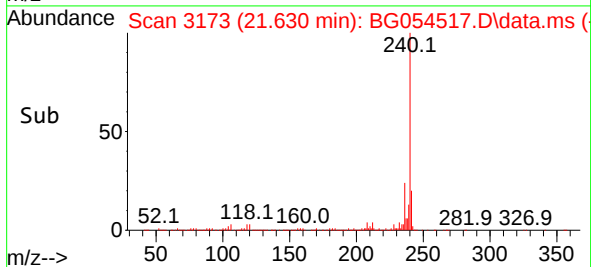
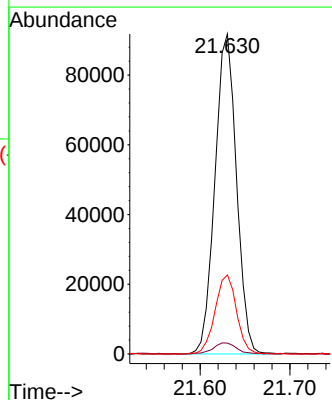
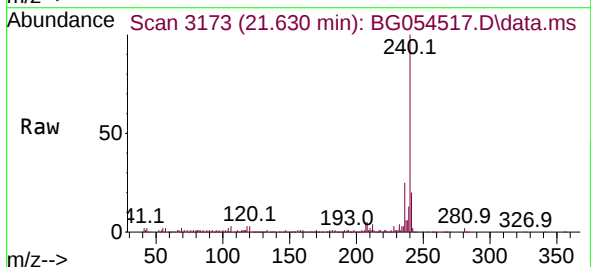
Instrument :
BNA_G
ClientSampleId :
RVE-119D

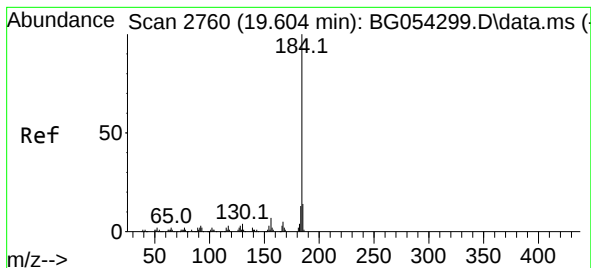
Tgt Ion:202 Resp: 24797
Ion Ratio Lower Upper
202 100
101 7.2 0.0 26.9
203 19.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

Tgt Ion:240 Resp: 152793
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 24.7 20.2 30.4





#77

Benzidine

Concen: 2.222 ng

RT: 19.973 min Scan# 2891

Delta R.T. 0.375 min

Lab File: BG054517.D

Acq: 4 Aug 2022 13:30

Instrument :

BNA_G

ClientSampleId :

RVE-119D

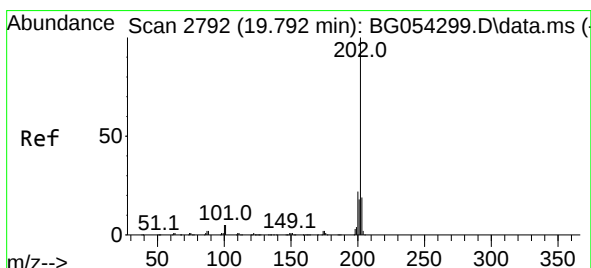
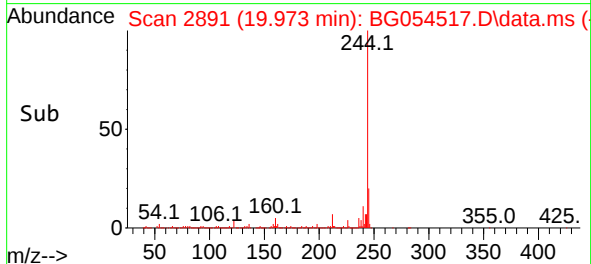
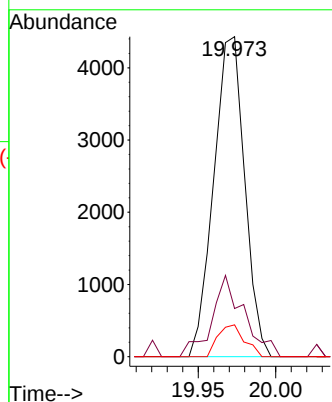
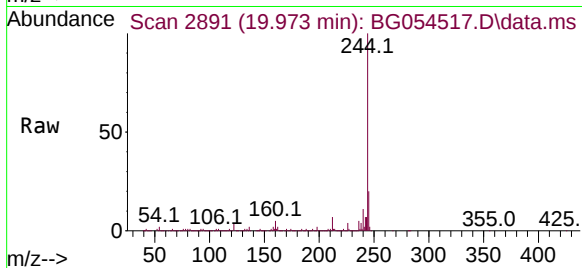
Tgt Ion:184 Resp: 6148

Ion Ratio Lower Upper

184 100

185 15.1 11.8 17.6

183 10.0 8.9 13.3



#78

Pyrene

Concen: 2.823 ng

RT: 19.780 min Scan# 2858

Delta R.T. -0.007 min

Lab File: BG054517.D

Acq: 4 Aug 2022 13:30

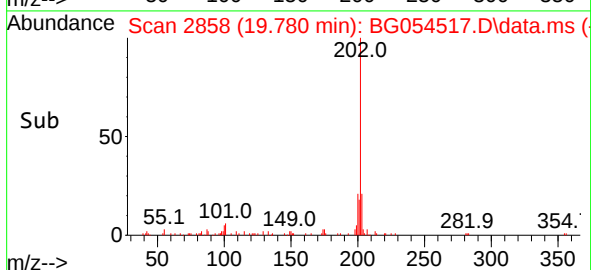
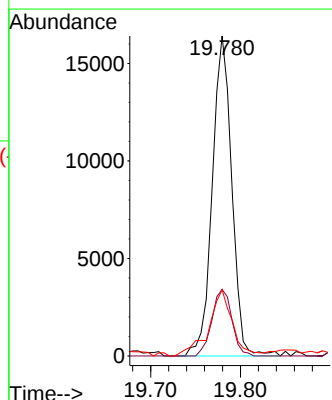
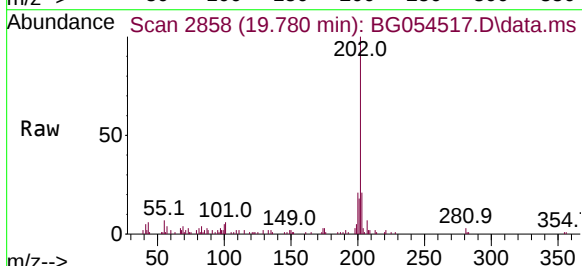
Tgt Ion:202 Resp: 24752

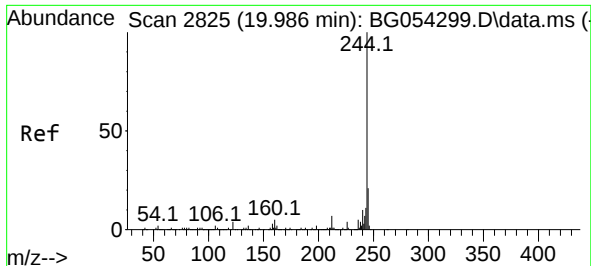
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 20.7 14.6 21.8

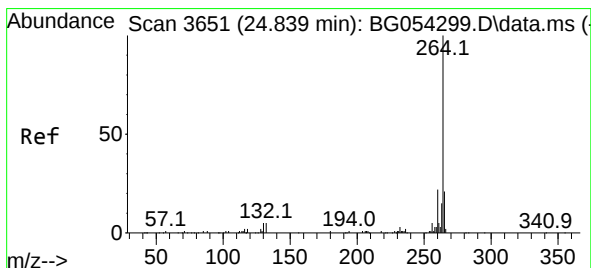
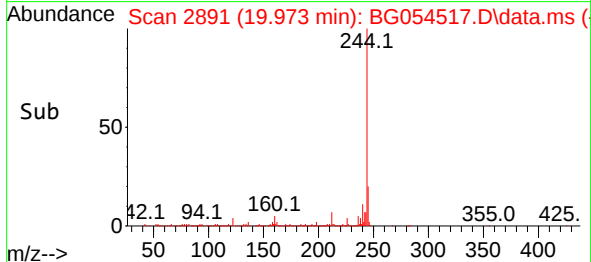
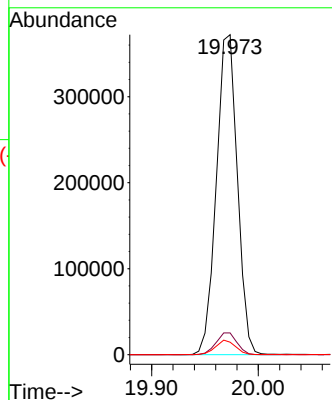
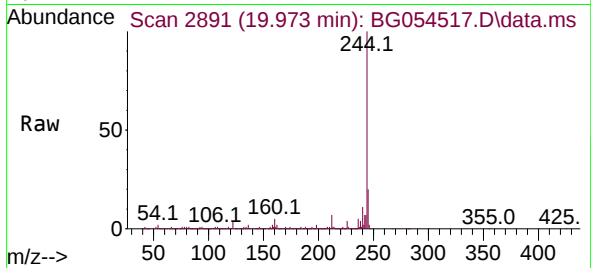




#79
 Terphenyl-d14
 Concen: 65.966 ng
 RT: 19.973 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054517.D
 Acq: 4 Aug 2022 13:30

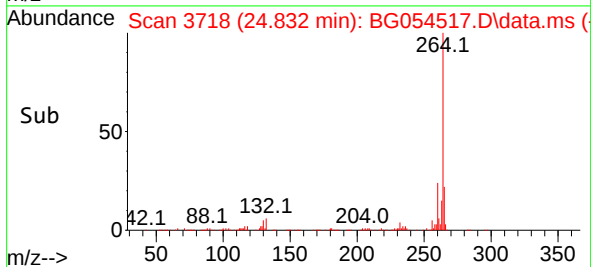
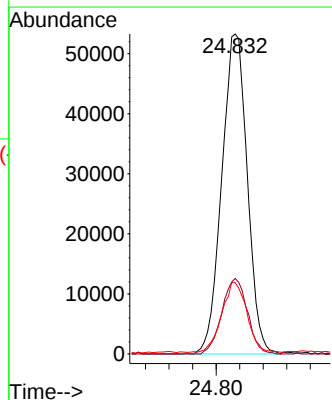
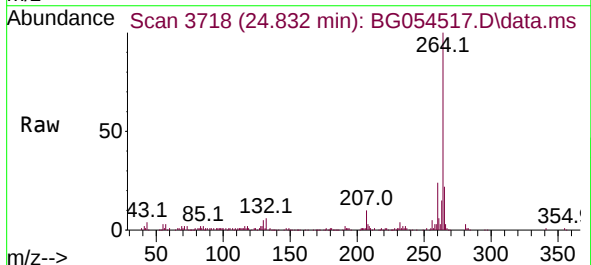
Instrument :
 BNA_G
 ClientSampleId :
 RVE-119D

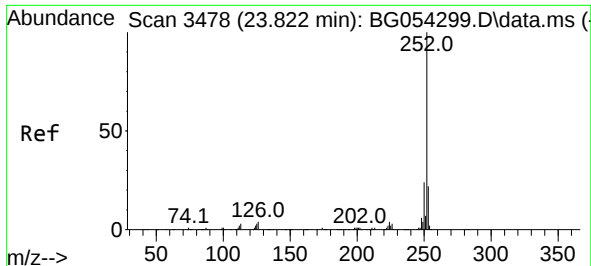
Tgt Ion:244 Resp: 508075
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 3.9 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.832 min Scan# 3718
 Delta R.T. -0.001 min
 Lab File: BG054517.D
 Acq: 4 Aug 2022 13:30

Tgt Ion:264 Resp: 160211
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 22.2 17.4 26.2

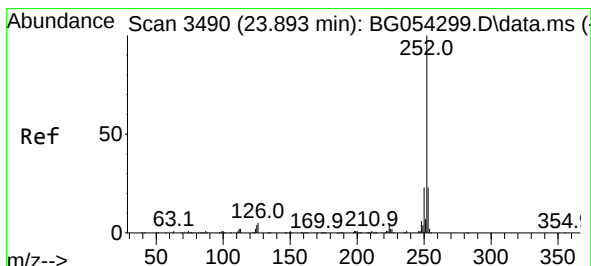
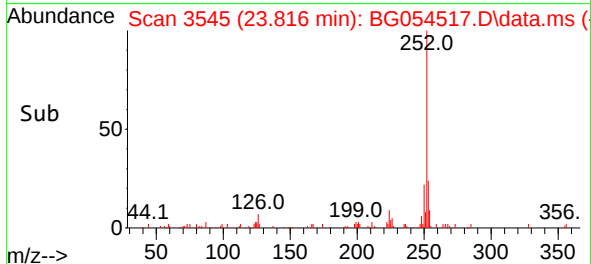
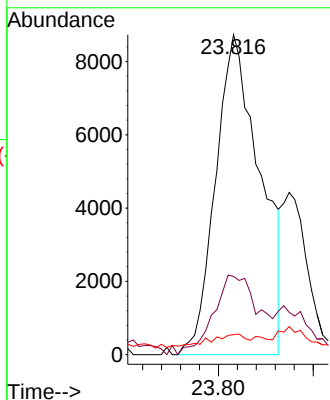
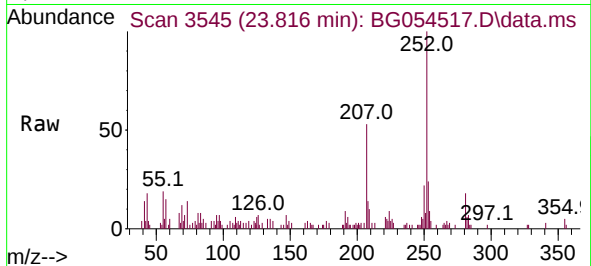




#88
Benzo(b)fluoranthene
Concen: 3.007 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.007 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

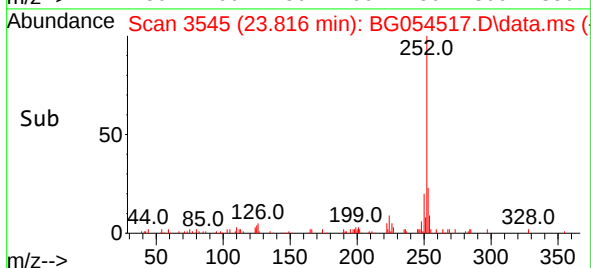
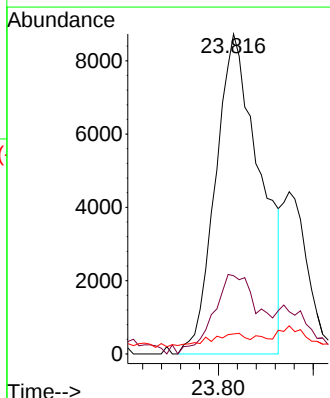
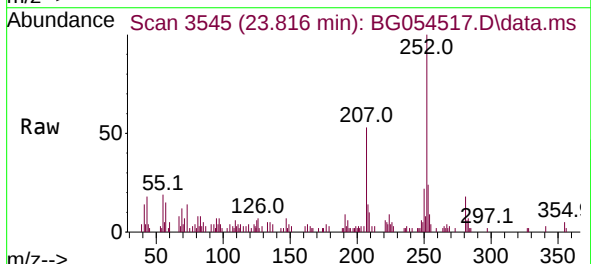
Instrument :
BNA_G
ClientSampleId :
RVE-119D

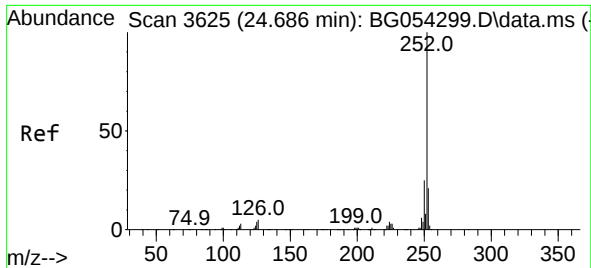
Tgt Ion:252 Resp: 28493
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 6.3 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 3.022 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.071 min
Lab File: BG054517.D
Acq: 4 Aug 2022 13:30

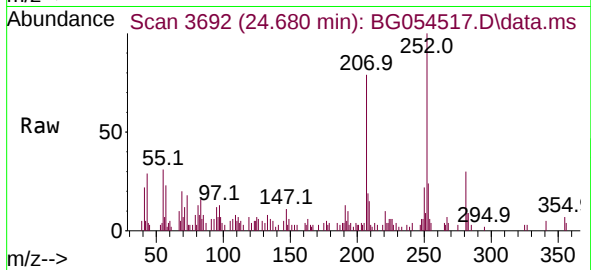
Tgt Ion:252 Resp: 28493
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 6.3 4.8 7.2





#90
 Benzo(a)pyrene
 Concen: 2.299 ng
 RT: 24.680 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BG054517.D
 Acq: 4 Aug 2022 13:30

Instrument :
 BNA_G
 ClientSampleId :
 RVE-119D



Tgt Ion:252 Resp: 18605
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.8
 125 7.4 4.3 6.5#

