

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054485.D
 Acq On : 2 Aug 2022 16:08
 Operator : CG/JU
 Sample : N3895-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-50

Quant Time: Aug 03 04:13:59 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)

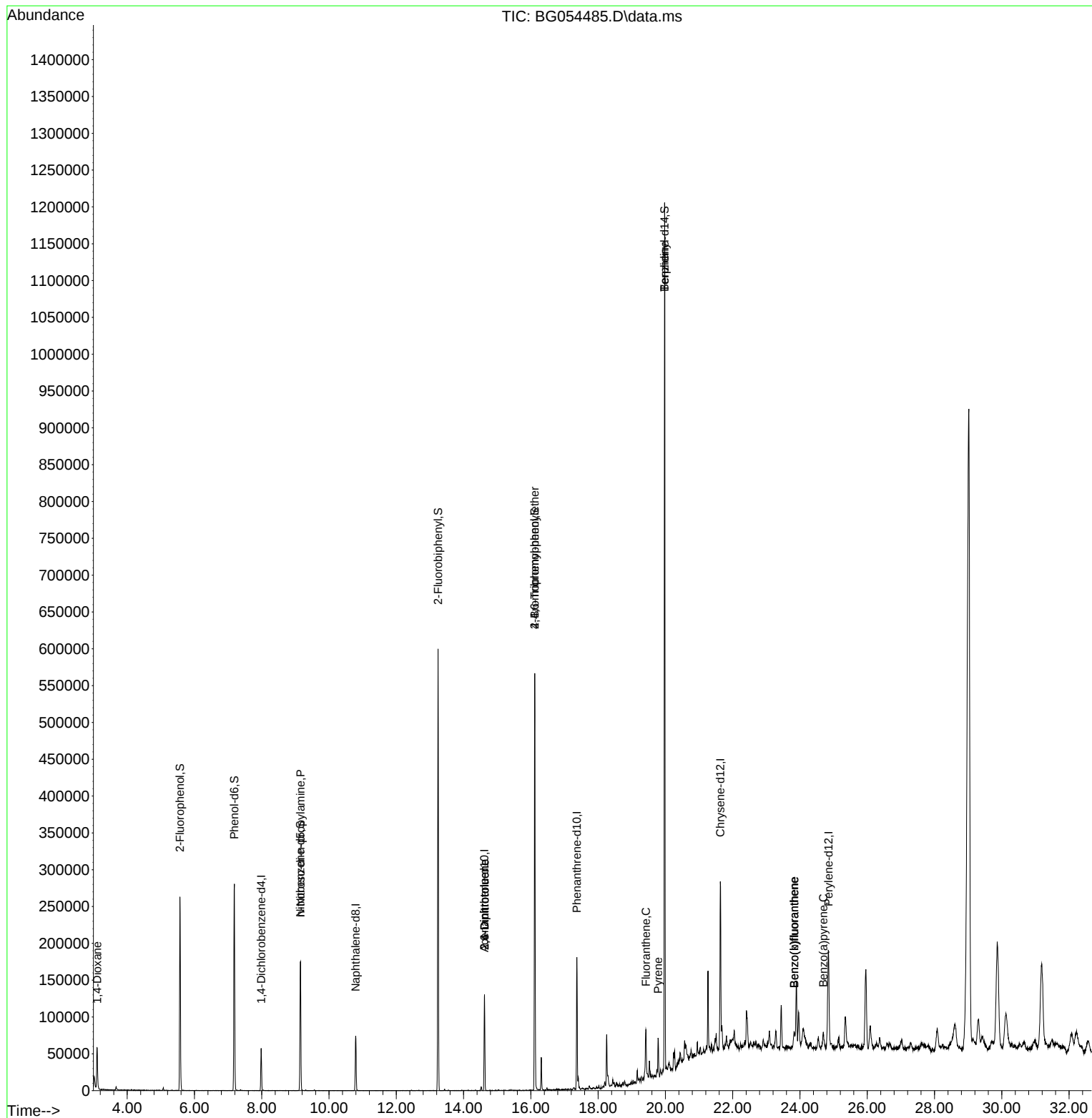
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	18412	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	70097	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	52423	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	128302	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	144552	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	154407	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	119981	136.056	ng	0.00
7) Phenol-d6	7.185	99	162722	134.664	ng	0.01
23) Nitrobenzene-d5	9.148	82	110834	86.105	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	153652	139.596	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	341629	91.932	ng	0.00
79) Terphenyl-d14	19.976	244	687437	94.342	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.108	88	845	2.409	ng	# 1
9) Benzaldehyde	7.185	77	252	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.154	70	15596	19.328	ng	# 80
51) 2,6-Dinitrotoluene	14.624	165	7255	8.078	ng	# 16
57) 2,4-Dinitrotoluene	14.624	165	7255	5.635	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	9246	5.131	ng	# 1
75) Fluoranthene	19.424	202	31738	3.644	ng	98
77) Benzidine	19.976	184	9105	3.478	ng	# 95
78) Pyrene	19.782	202	37276	4.494	ng	98
88) Benzo(b)fluoranthene	23.831	252	30195	3.307	ng	# 96
89) Benzo(k)fluoranthene	23.831	252	30195	3.323	ng	# 97
90) Benzo(a)pyrene	24.694	252	20704	2.655	ng	94

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

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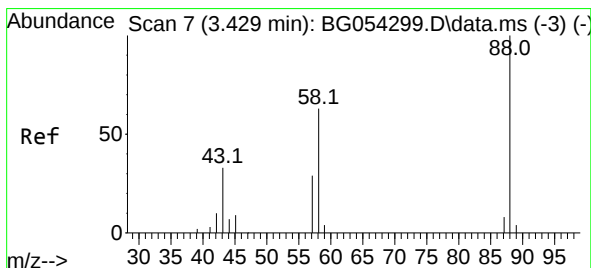
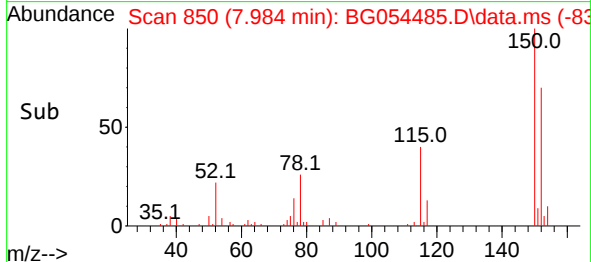
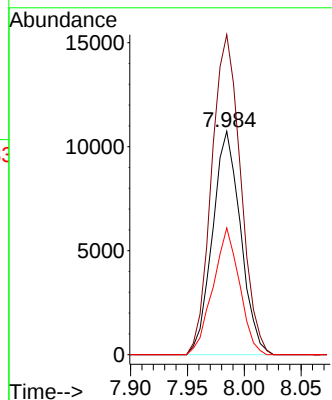
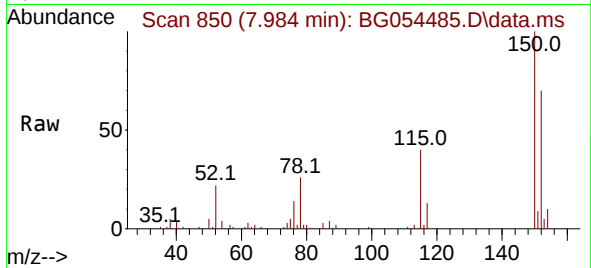




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054485.D
 Acq: 2 Aug 2022 16:08

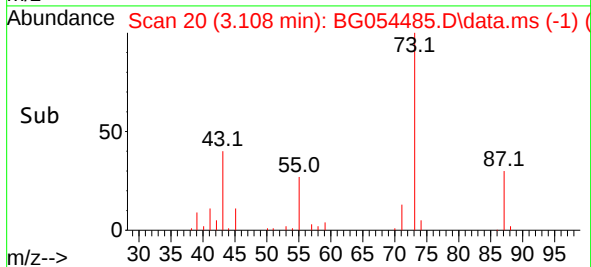
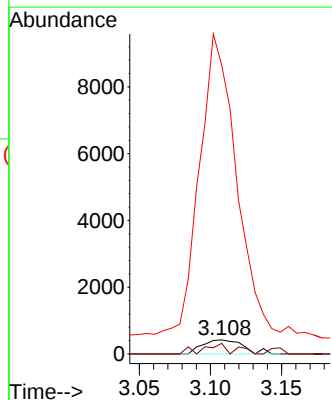
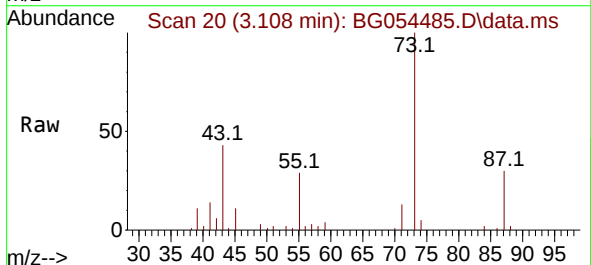
Instrument :
 BNA_G
 ClientSampleId :
 RVE-50

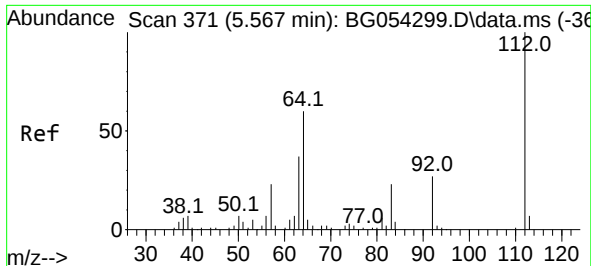
Tgt Ion:152 Resp: 18412
 Ion Ratio Lower Upper
 152 100
 150 143.3 131.6 197.4
 115 56.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.409 ng
 RT: 3.108 min Scan# 20
 Delta R.T. -0.309 min
 Lab File: BG054485.D
 Acq: 2 Aug 2022 16:08

Tgt Ion: 88 Resp: 845
 Ion Ratio Lower Upper
 88 100
 58 38.9 59.2 88.8#
 43 1899.6 24.3 36.5#

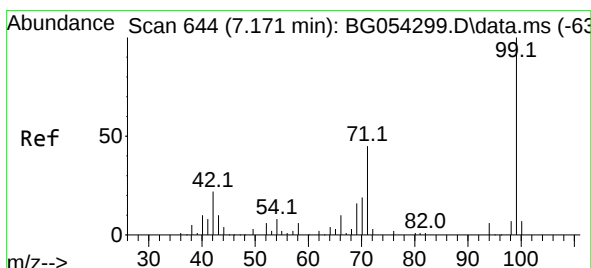
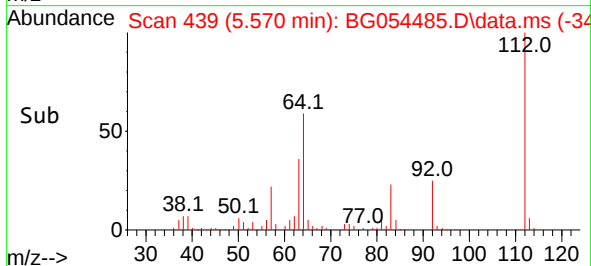
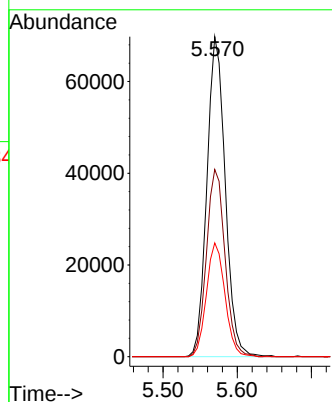
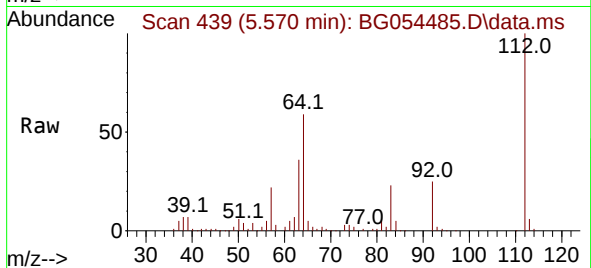




#5
2-Fluorophenol
Concen: 136.056 ng
RT: 5.570 min Scan# 41
Delta R.T. 0.008 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

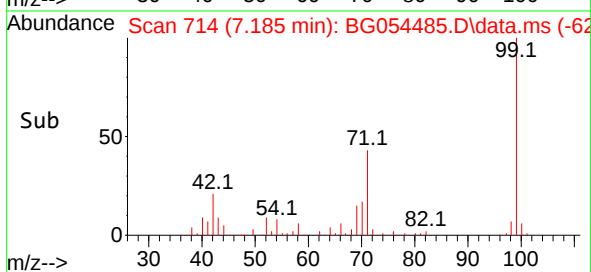
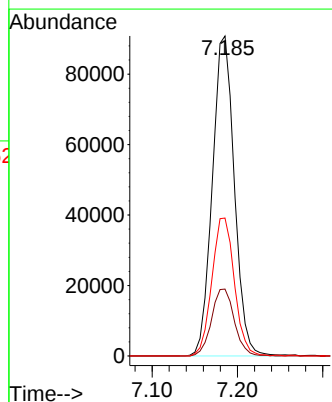
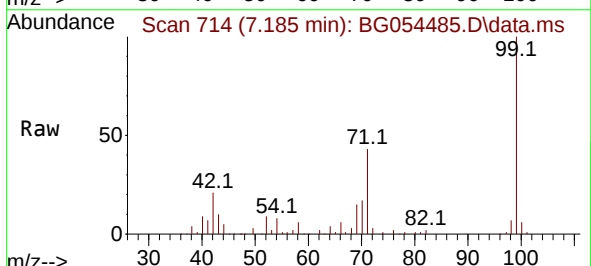
Instrument :
BNA_G
ClientSampleId :
RVE-50

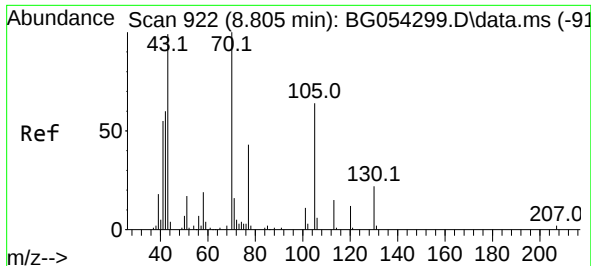
Tgt Ion:112 Resp: 119981
Ion Ratio Lower Upper
112 100
64 58.5 55.1 82.7
63 35.5 30.4 45.6



#7
Phenol-d6
Concen: 134.664 ng
RT: 7.185 min Scan# 714
Delta R.T. 0.014 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion: 99 Resp: 162722
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 43.1 33.8 50.8

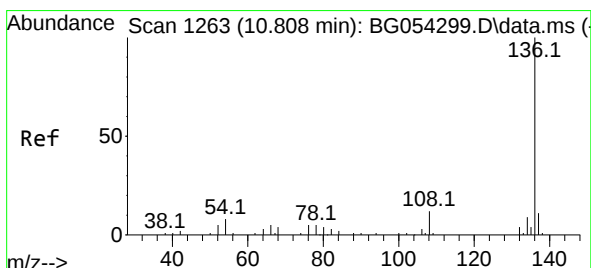
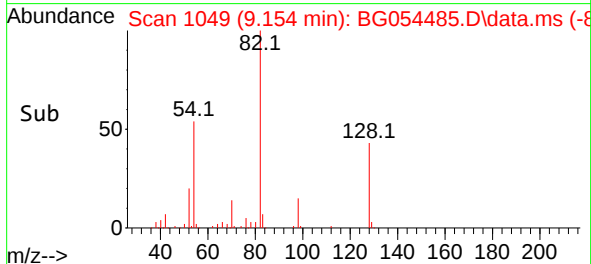
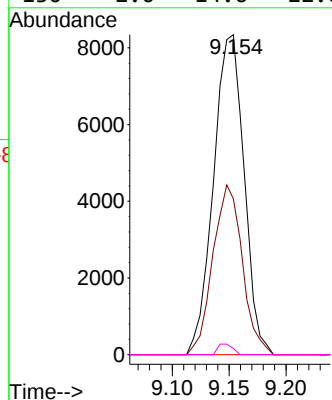
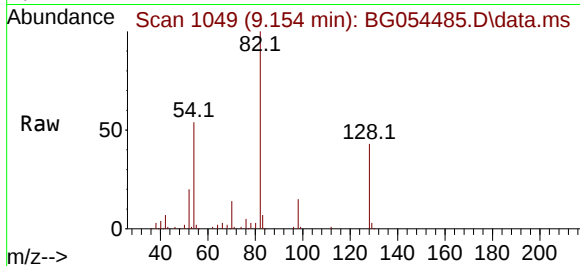




#19
n-Nitroso-di-n-propylamine
Concen: 19.328 ng
RT: 9.154 min Scan# 1049
Delta R.T. 0.360 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

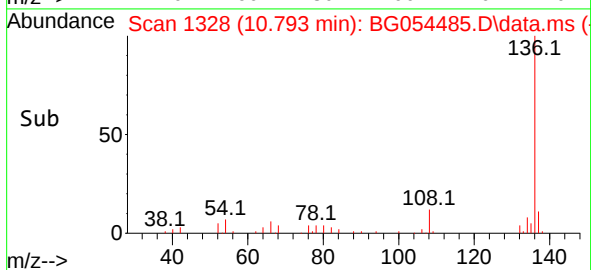
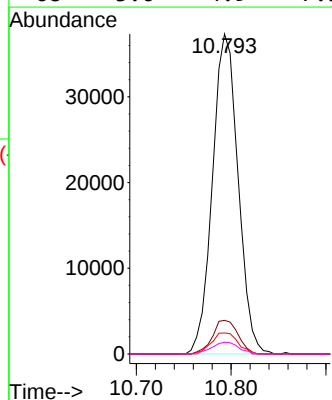
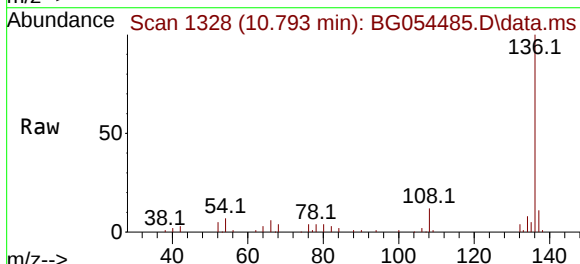
Instrument :
BNA_G
ClientSampleId :
RVE-50

Tgt Ion:	70	Resp:	15596
Ion	Ratio	Lower	Upper
70	100		
42	48.8	47.3	70.9
101	0.0	7.0	10.4#
130	2.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:	136	Resp:	70097
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.6	7.4	11.2#
68	3.6	4.9	7.3#

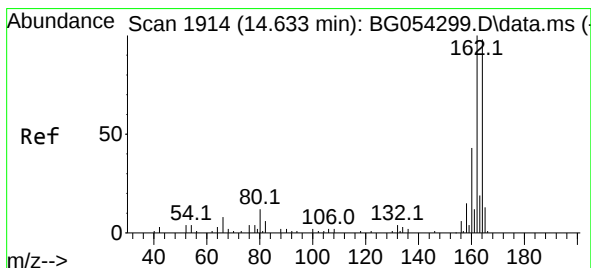
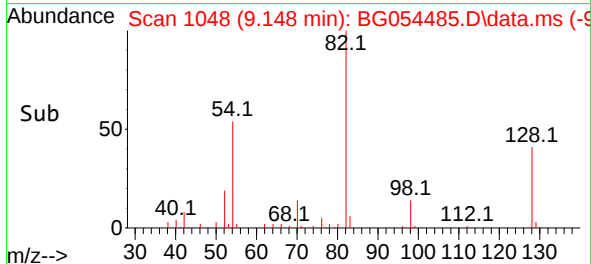
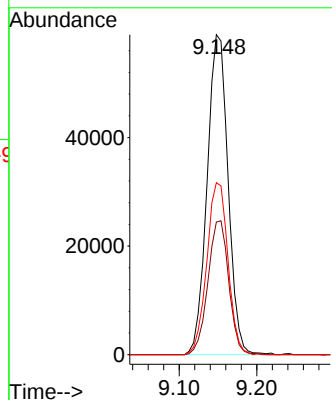
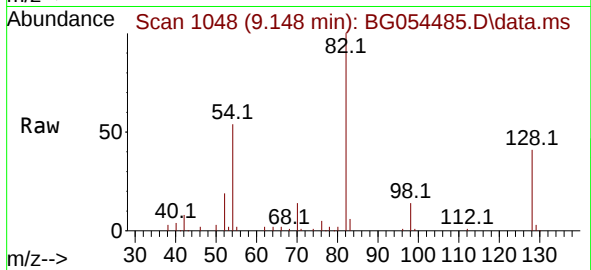




#23
Nitrobenzene-d5
Concen: 86.105 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

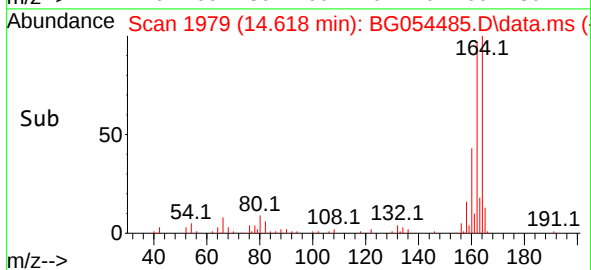
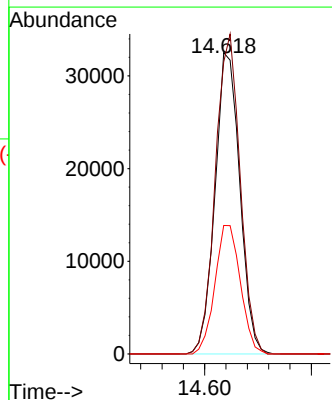
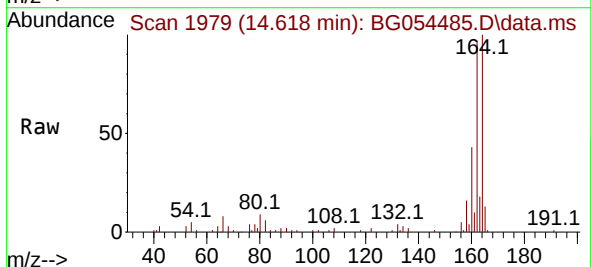
Instrument :
BNA_G
ClientSampleId :
RVE-50

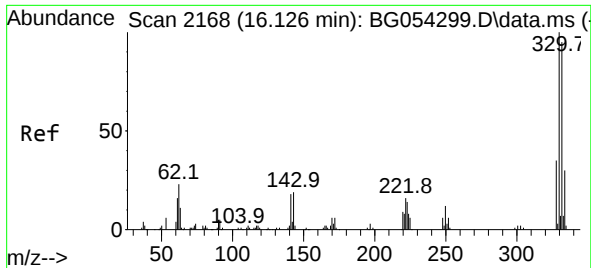
Tgt Ion: 82 Resp: 110834
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 53.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:164 Resp: 52423
Ion Ratio Lower Upper
164 100
162 96.9 82.3 123.5
160 42.7 34.2 51.2

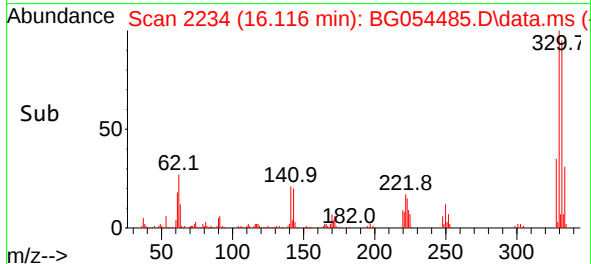
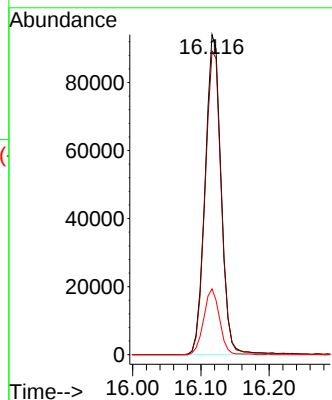
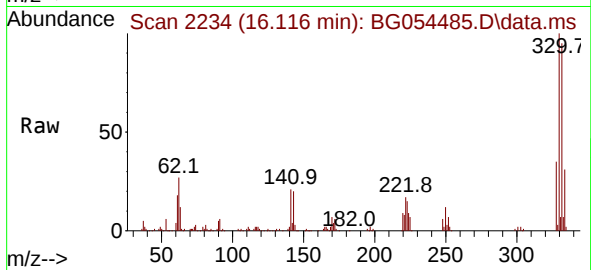




#42
2,4,6-Tribromophenol
Concen: 139.596 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.002 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

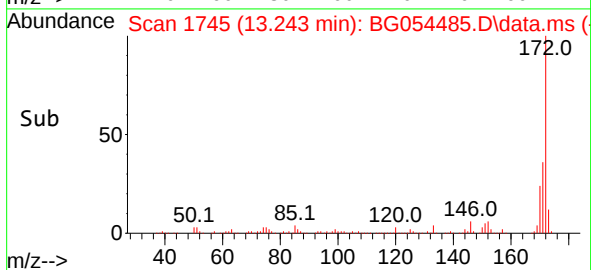
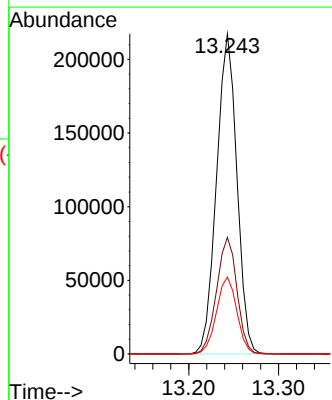
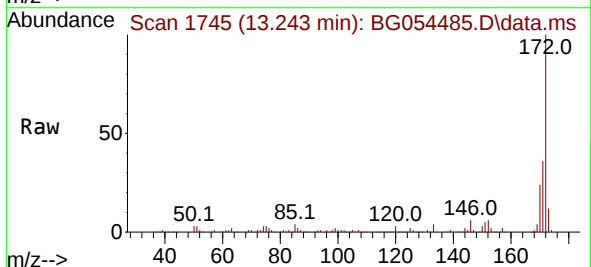
Instrument :
BNA_G
ClientSampleId :
RVE-50

Tgt Ion:330 Resp: 153652
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.3 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 91.932 ng
RT: 13.243 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:172 Resp: 341629
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.1 18.9 28.3

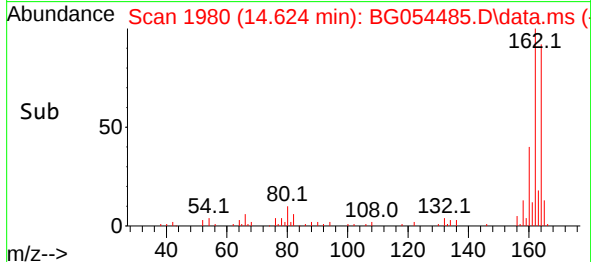
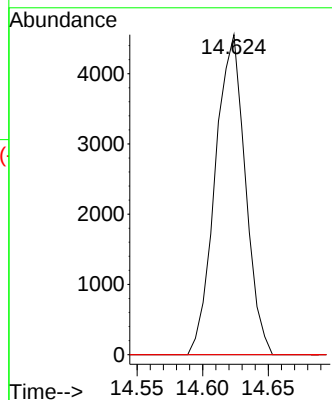
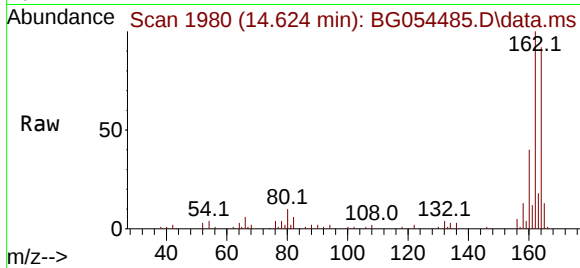




#51
2,6-Dinitrotoluene
Concen: 8.078 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.425 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

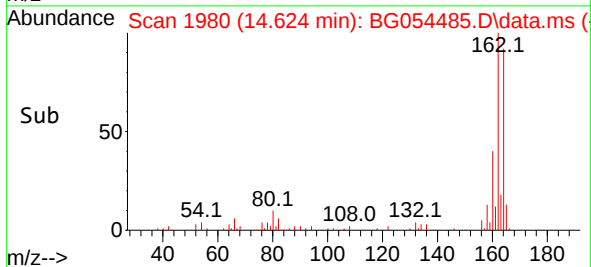
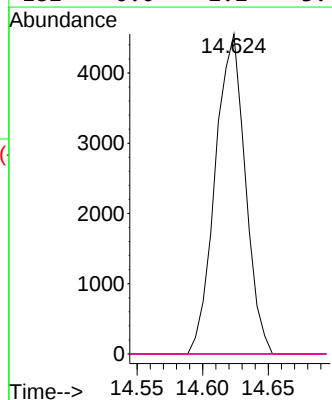
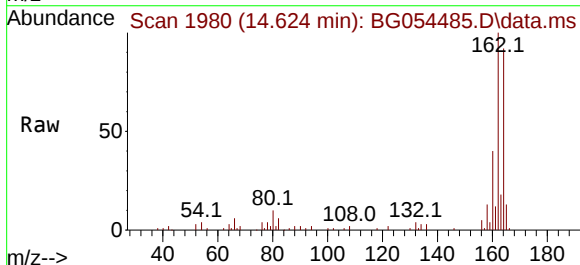
Instrument :
BNA_G
ClientSampleId :
RVE-50

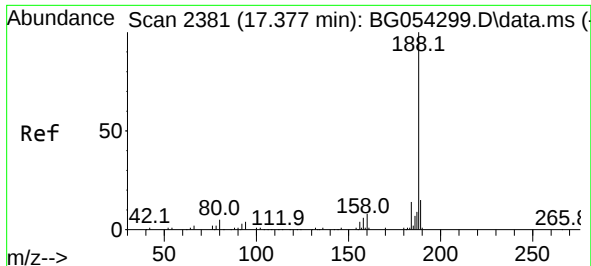
Tgt Ion:165 Resp: 7255
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.635 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.368 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:165 Resp: 7255
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#

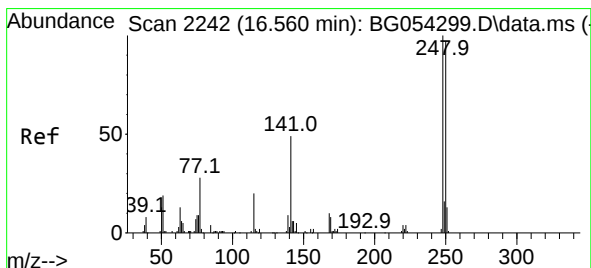
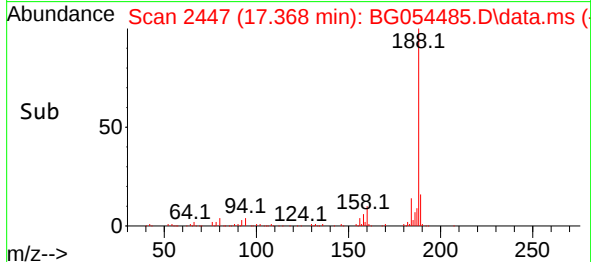
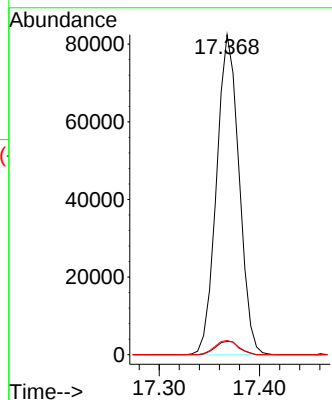
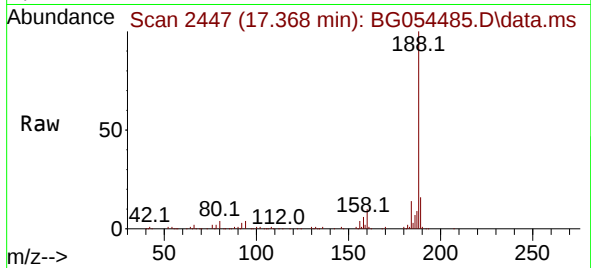




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

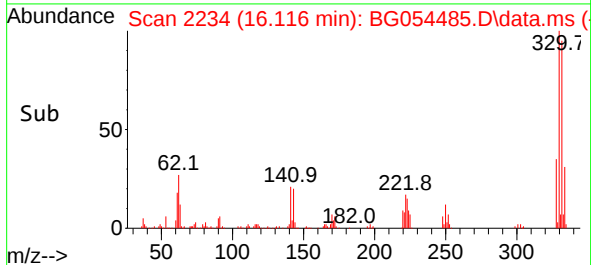
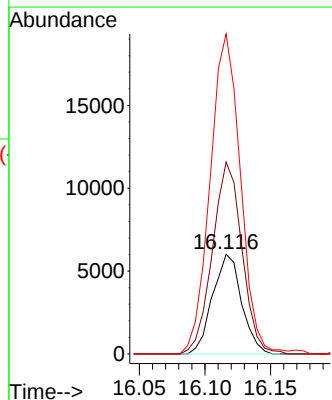
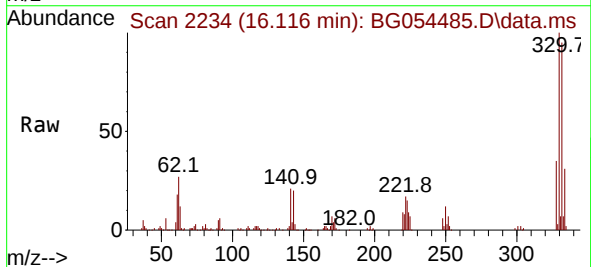
Instrument :
BNA_G
ClientSampleId :
RVE-50

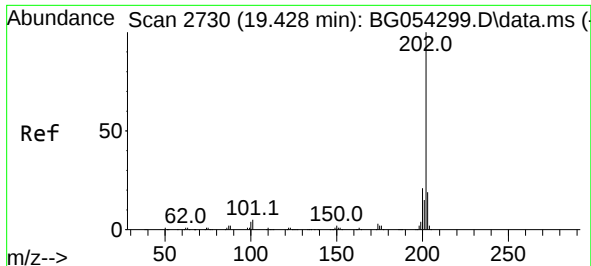
Tgt Ion:188 Resp: 128302
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.5 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 5.131 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.439 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:248 Resp: 9246
Ion Ratio Lower Upper
248 100
250 145.9 75.2 112.8#
141 243.4 50.0 75.0#

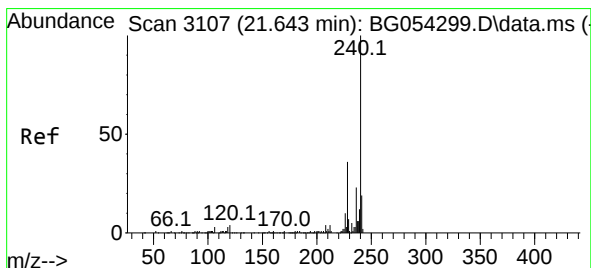
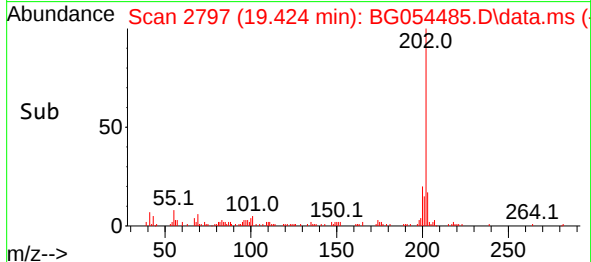
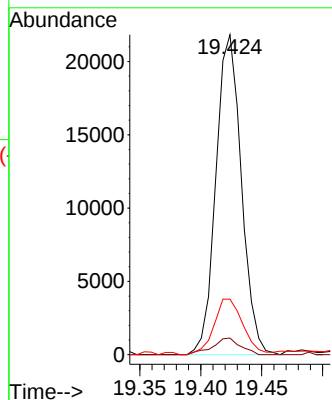
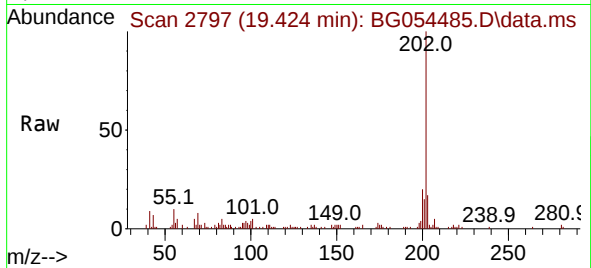




#75
Fluoranthene
Concen: 3.644 ng
RT: 19.424 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

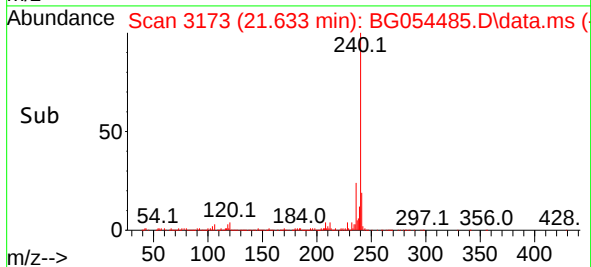
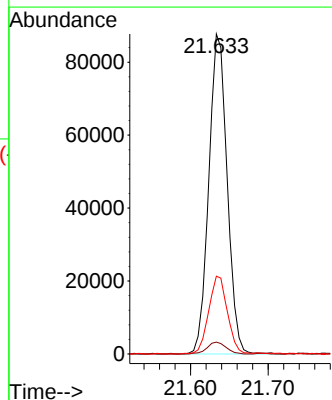
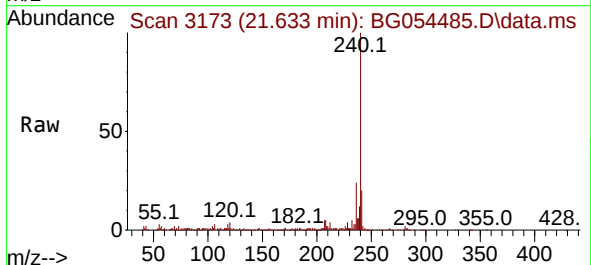
Instrument :
BNA_G
ClientSampleId :
RVE-50

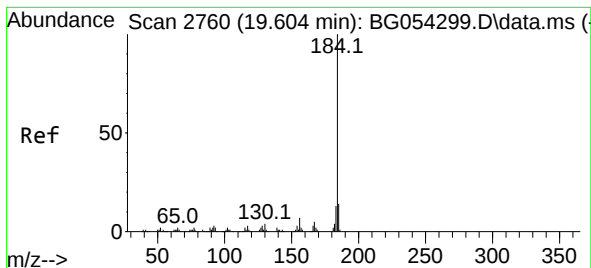
Tgt Ion:202 Resp: 31738
Ion Ratio Lower Upper
202 100
101 5.2 0.0 26.9
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:240 Resp: 144552
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.3 20.2 30.4





#77

Benzidine

Concen: 3.478 ng

RT: 19.976 min Scan# 21

Delta R.T. 0.378 min

Lab File: BG054485.D

Acq: 2 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

RVE-50

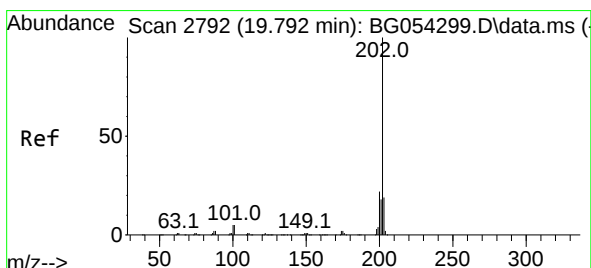
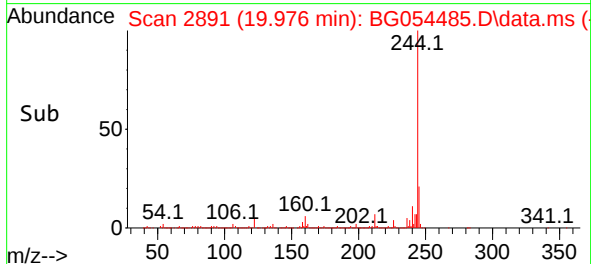
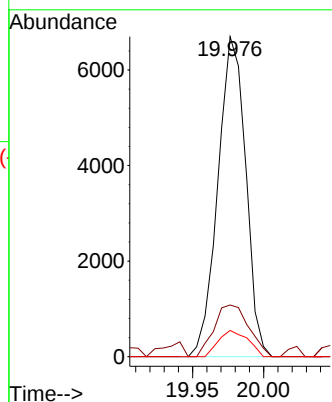
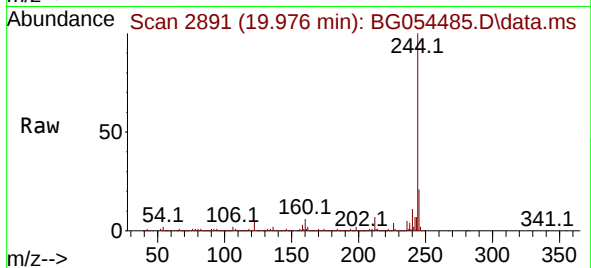
Tgt Ion:184 Resp: 9105

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 8.2 8.9 13.3#



#78

Pyrene

Concen: 4.494 ng

RT: 19.782 min Scan# 2858

Delta R.T. -0.004 min

Lab File: BG054485.D

Acq: 2 Aug 2022 16:08

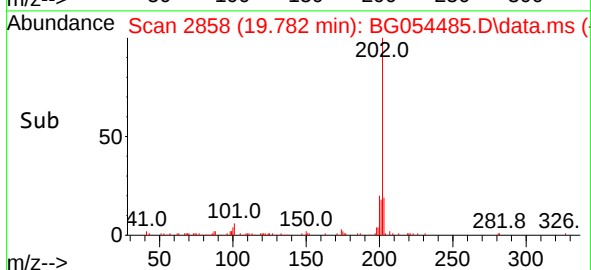
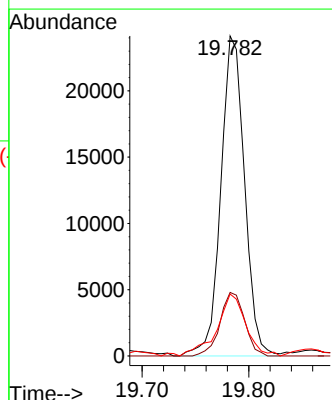
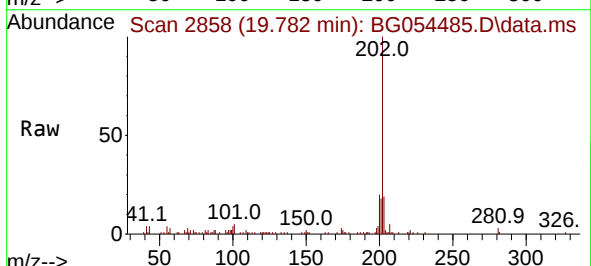
Tgt Ion:202 Resp: 37276

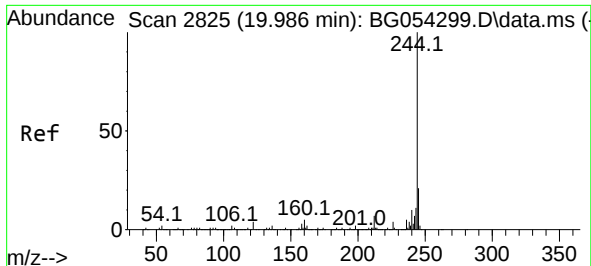
Ion Ratio Lower Upper

202 100

200 19.8 16.6 24.8

203 19.4 14.6 21.8

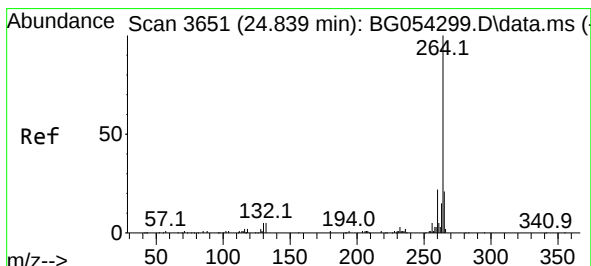
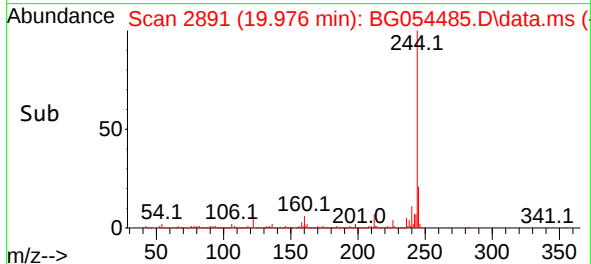
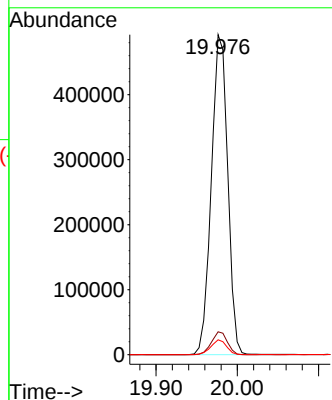
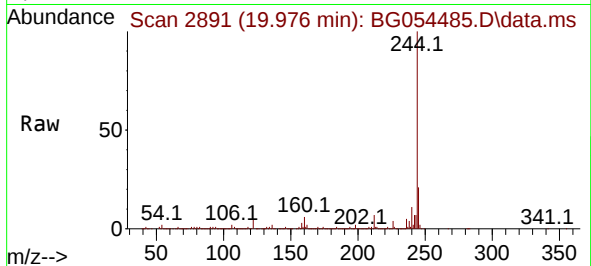




#79
 Terphenyl-d14
 Concen: 94.342 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054485.D
 Acq: 2 Aug 2022 16:08

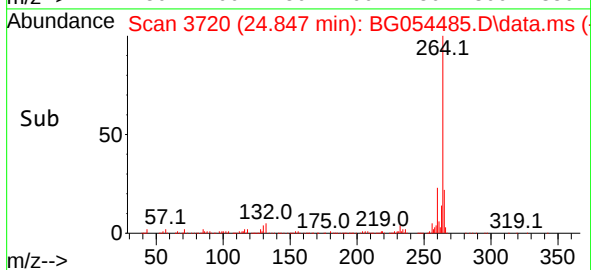
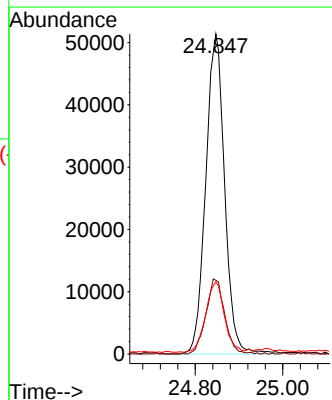
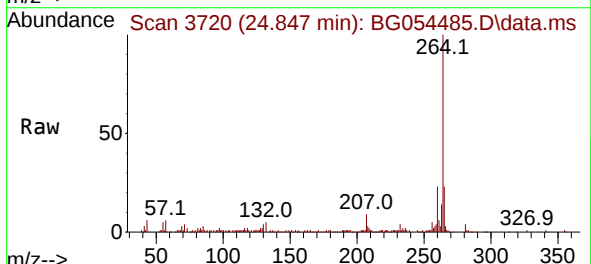
Instrument :
 BNA_G
 ClientSampleId :
 RVE-50

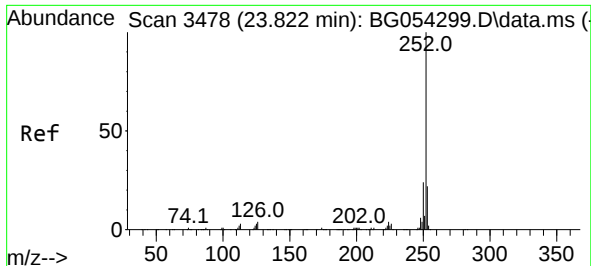
Tgt Ion:244 Resp: 687437
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.7 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.847 min Scan# 3720
 Delta R.T. 0.014 min
 Lab File: BG054485.D
 Acq: 2 Aug 2022 16:08

Tgt Ion:264 Resp: 154407
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 22.5 17.4 26.2

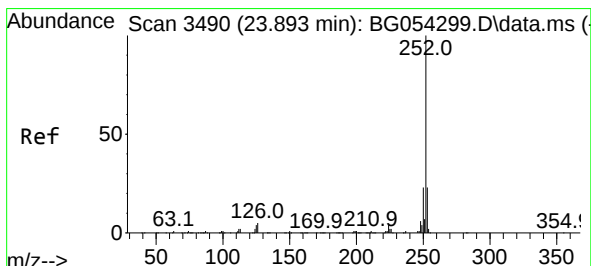
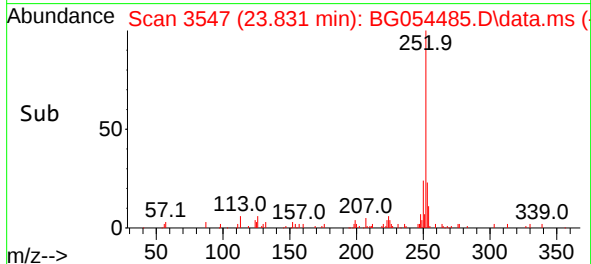
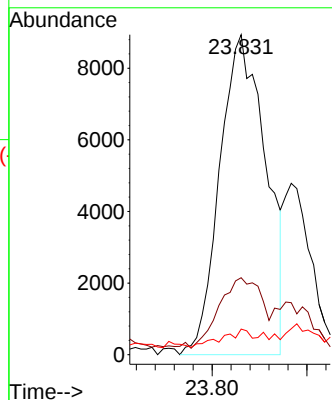
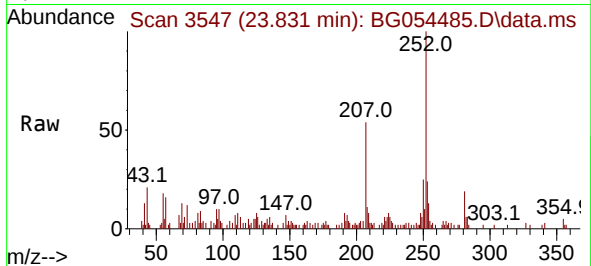




#88
Benzo(b)fluoranthene
Concen: 3.307 ng
RT: 23.831 min Scan# 3547
Delta R.T. 0.008 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

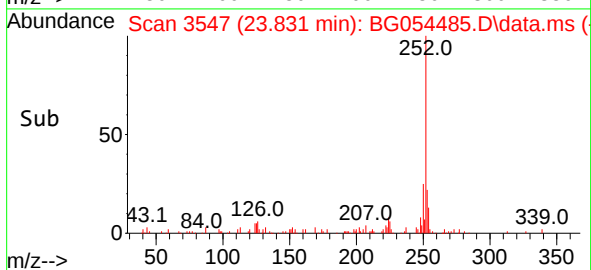
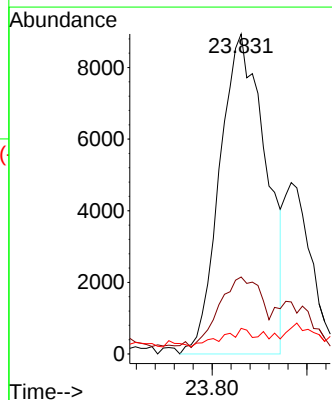
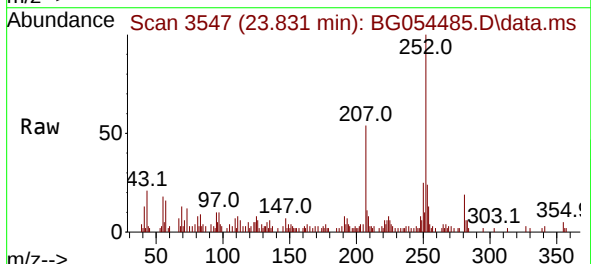
Instrument :
BNA_G
ClientSampleId :
RVE-50

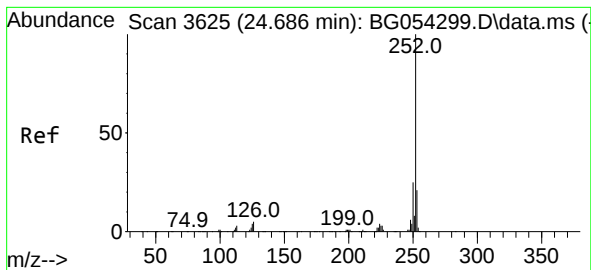
Tgt Ion:252 Resp: 30195
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 8.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 3.323 ng
RT: 23.831 min Scan# 3547
Delta R.T. -0.057 min
Lab File: BG054485.D
Acq: 2 Aug 2022 16:08

Tgt Ion:252 Resp: 30195
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 8.0 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 2.655 ng

RT: 24.694 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG054485.D

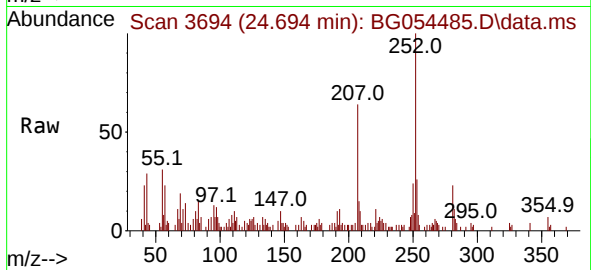
Acq: 2 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

RVE-50



Tgt Ion:252 Resp: 20704

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.8

125 5.9 4.3 6.5

