

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054560.D
 Acq On : 8 Aug 2022 19:43
 Operator : CG/JU
 Sample : N3961-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-181

Quant Time: Aug 09 01:57:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

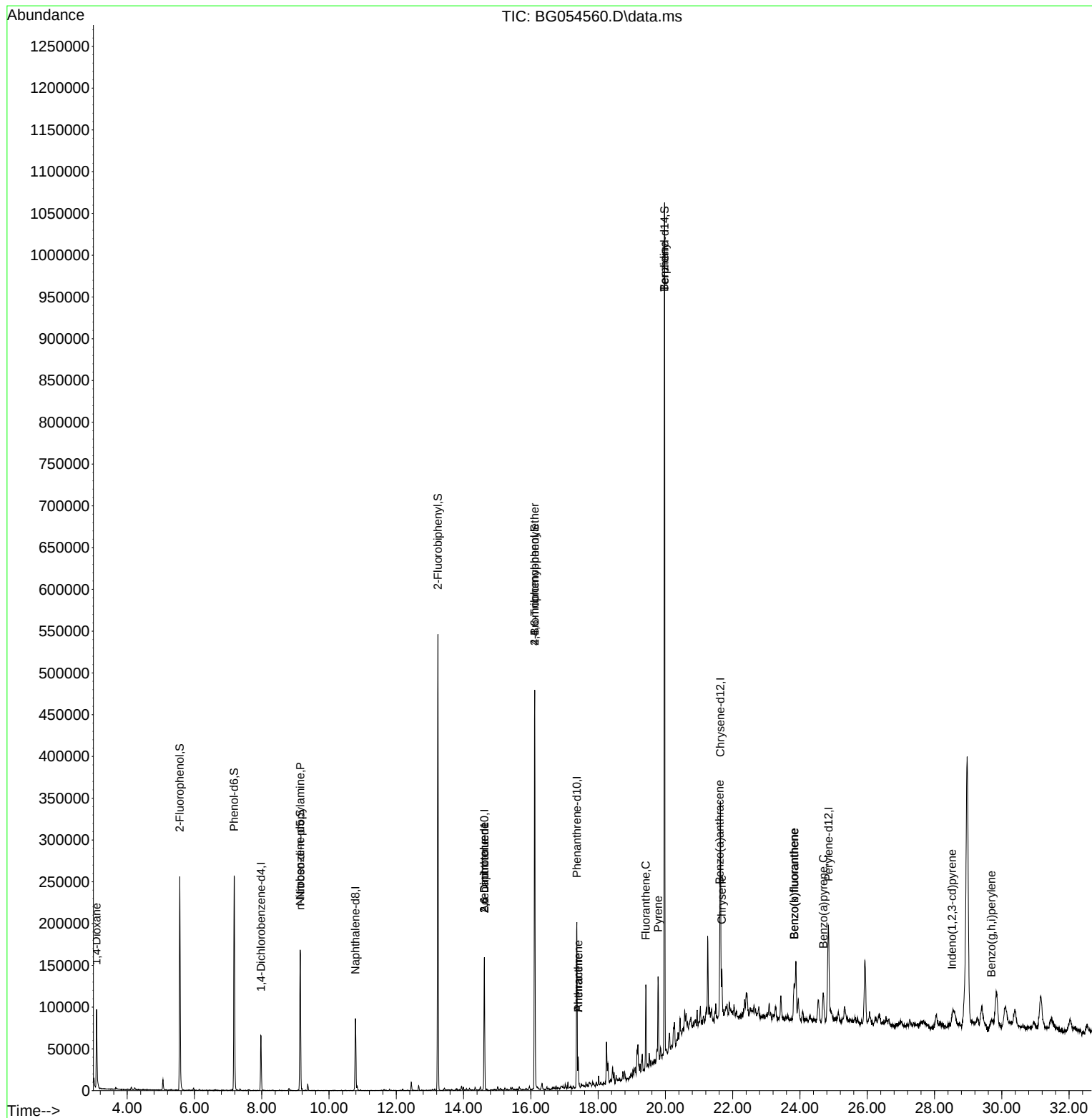
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	20891	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	80308	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	60633	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	141070	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	154044	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	158527	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	115408	115.341	ng	0.00
7) Phenol-d6	7.179	99	154687	112.824	ng	0.00
23) Nitrobenzene-d5	9.142	82	103718	70.331	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	128831	101.197	ng	0.00
45) 2-Fluorobiphenyl	13.237	172	310986	72.354	ng	0.00
79) Terphenyl-d14	19.976	244	583721	75.172	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.090	88	950	2.387	ng	# 1
9) Benzaldehyde	7.121	77	362	Below Cal		# 81
19) n-Nitroso-di-n-propyla...	9.148	70	15212	16.615	ng	# 72
51) 2,6-Dinitrotoluene	14.618	165	8203	7.897	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	8203	5.508	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	7680	3.876	ng	# 1
71) Phenanthrene	17.409	178	26194	3.729	ng	96
72) Anthracene	17.409	178	26194	3.800	ng	99
75) Fluoranthene	19.418	202	62995	6.578	ng	94
77) Benzidine	19.970	184	7728	2.770	ng	96
78) Pyrene	19.782	202	72527	8.205	ng	97
81) Benzo(a)anthracene	21.615	228	39393	4.028	ng	94
83) Chrysene	21.680	228	47621	5.155	ng	96
87) Indeno(1,2,3-cd)pyrene	28.519	276	26583	2.204	ng	# 59
88) Benzo(b)fluoranthene	23.830	252	64563	6.887	ng	98
89) Benzo(k)fluoranthene	23.830	252	64563	6.920	ng	97
90) Benzo(a)pyrene	24.694	252	43572	5.442	ng	# 93
92) Benzo(g,h,i)perylene	29.688	276	25416	2.597	ng	# 81

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

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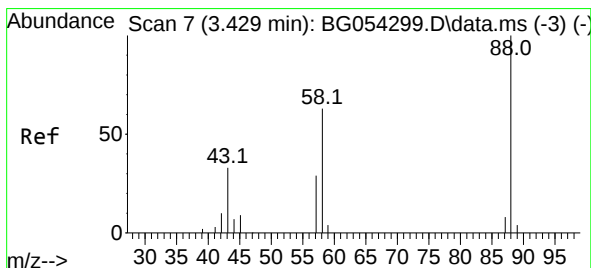
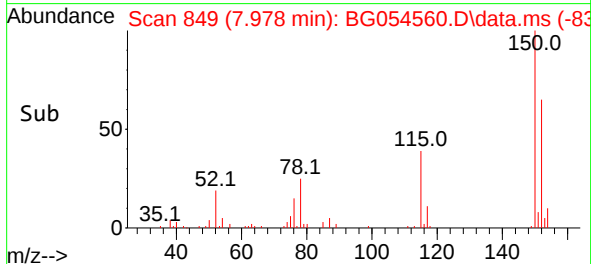
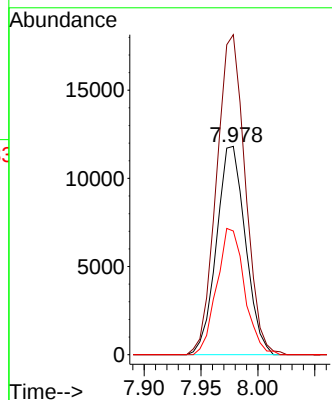
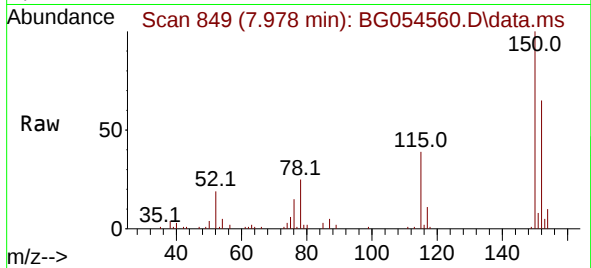




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.978 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

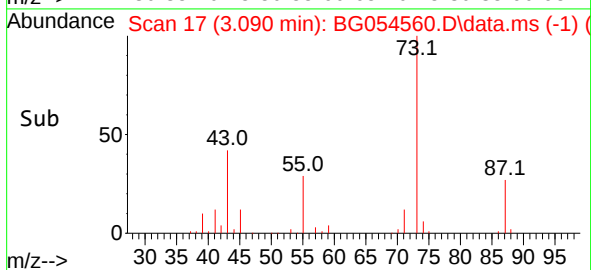
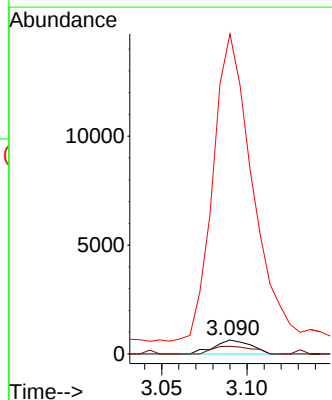
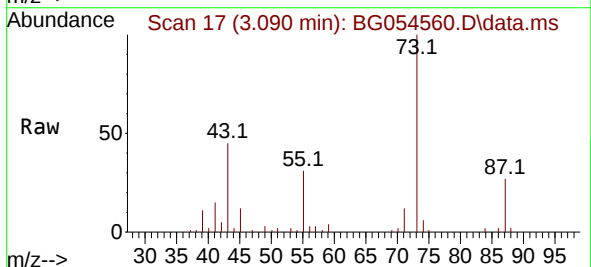
Instrument :
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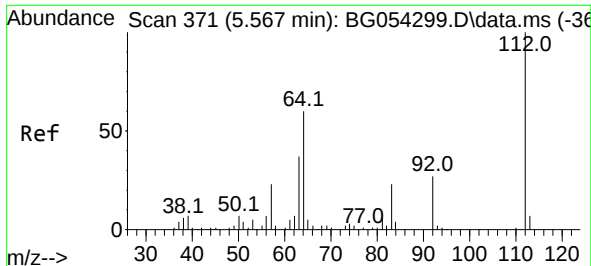
Tgt Ion:152 Resp: 20891
 Ion Ratio Lower Upper
 152 100
 150 153.6 131.6 197.4
 115 59.4 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.387 ng
 RT: 3.090 min Scan# 17
 Delta R.T. -0.305 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

Tgt Ion: 88 Resp: 950
 Ion Ratio Lower Upper
 88 100
 58 61.4 59.2 88.8
 43 2550.0 24.3 36.5#

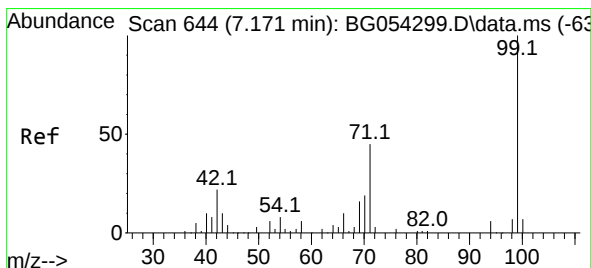
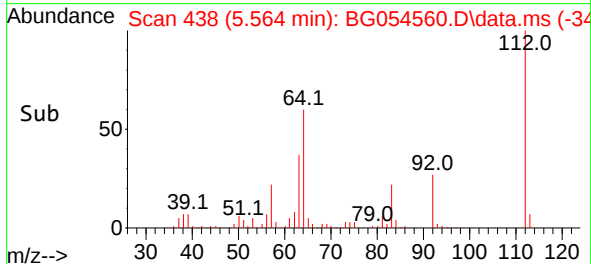
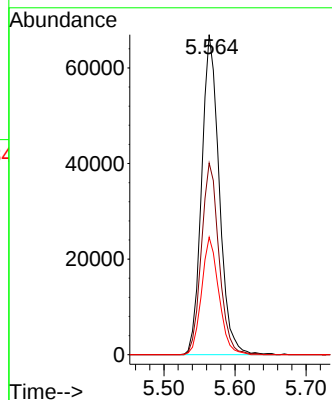
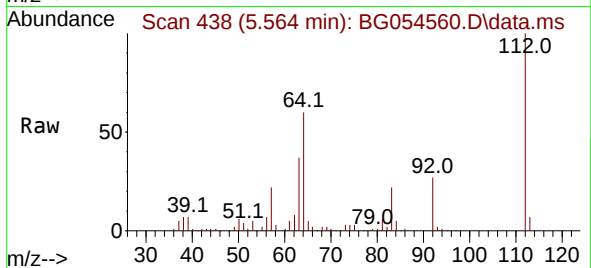




#5
2-Fluorophenol
Concen: 115.341 ng
RT: 5.564 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

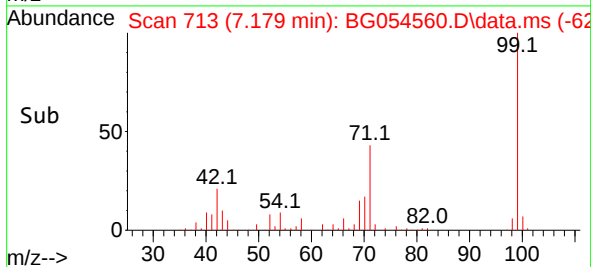
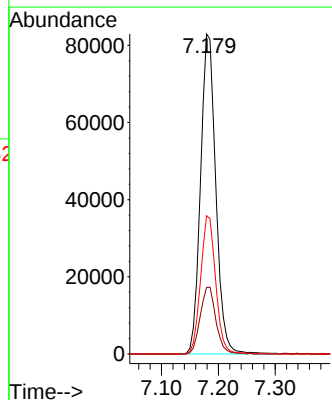
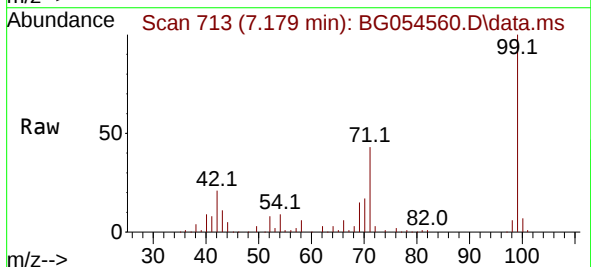
Instrument :
BNA_G
ClientSampleId :
RVE-181

Tgt Ion:112 Resp: 115408
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 36.7 30.4 45.6



#7
Phenol-d6
Concen: 112.824 ng
RT: 7.179 min Scan# 713
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion: 99 Resp: 154687
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 43.2 33.8 50.8

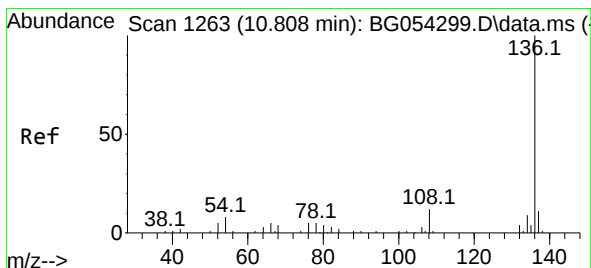
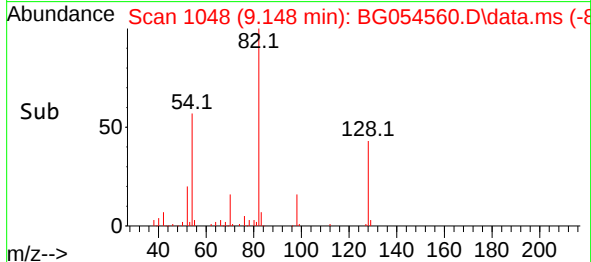
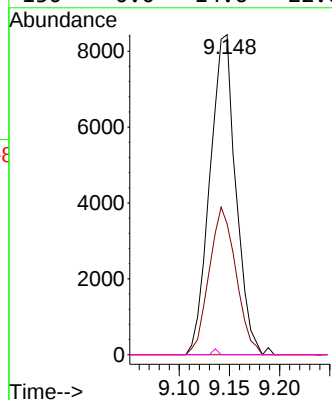
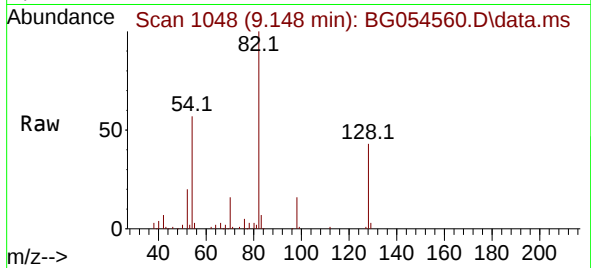




#19
n-Nitroso-di-n-propylamine
Concen: 16.615 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.364 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

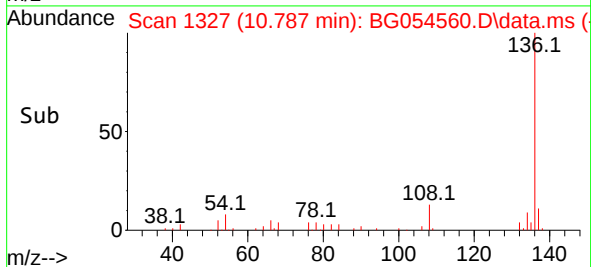
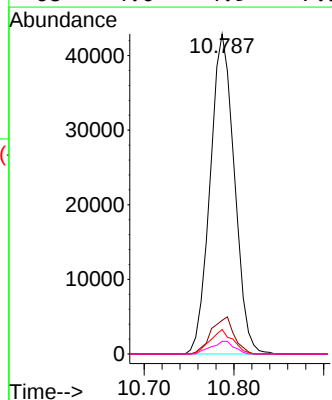
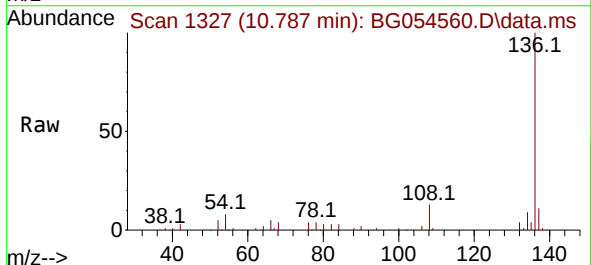
Instrument :
BNA_G
ClientSampleId :
RVE-181

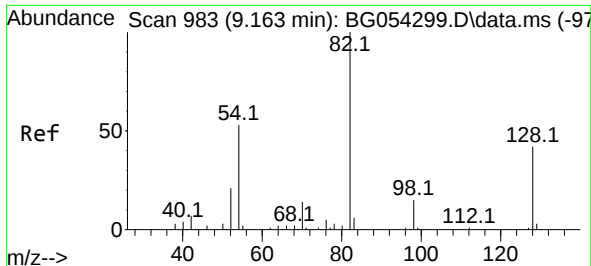
Tgt Ion:	70	Resp:	15212
Ion Ratio	Lower	Upper	
70	100		
42	40.9	47.3	70.9#
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:	136	Resp:	80308
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	7.7	7.4	11.2
68	4.0	4.9	7.3#

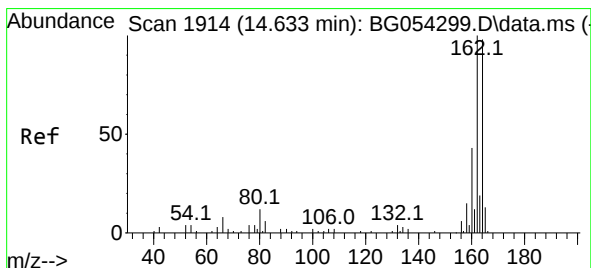
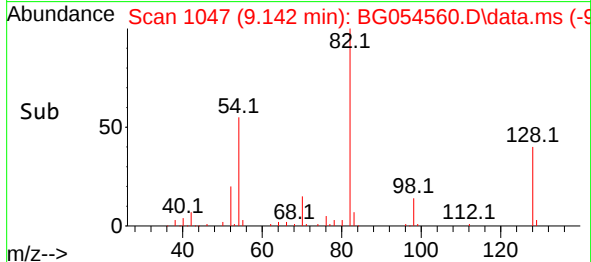
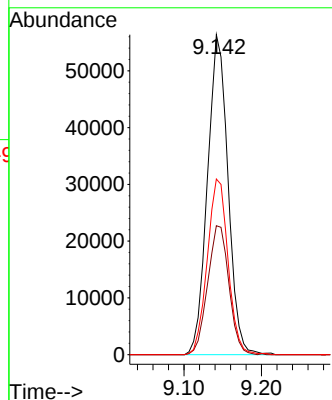
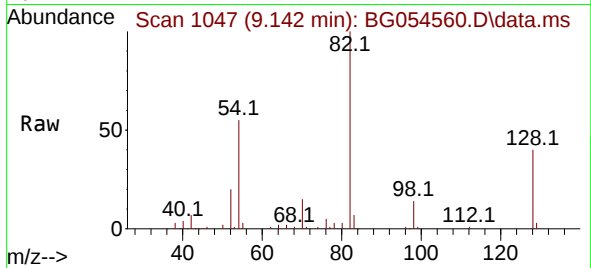




#23
Nitrobenzene-d5
Concen: 70.331 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

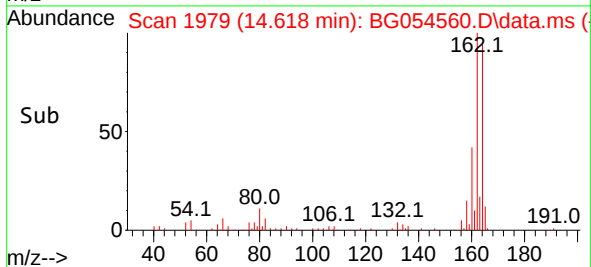
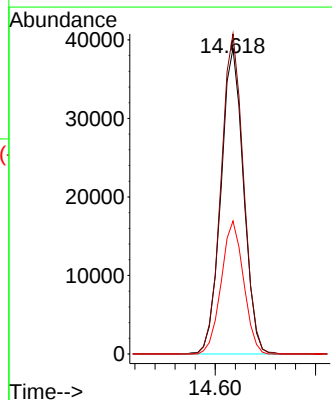
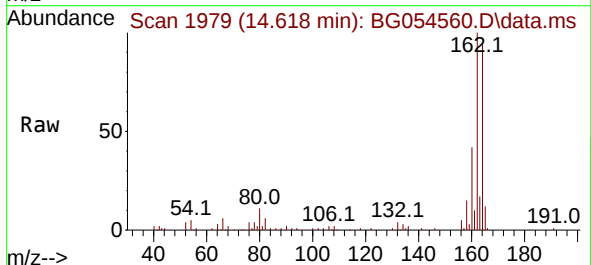
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 103718
Ion Ratio Lower Upper
82 100
128 40.3 27.9 41.9
54 54.9 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:164 Resp: 60633
Ion Ratio Lower Upper
164 100
162 104.7 82.3 123.5
160 43.5 34.2 51.2

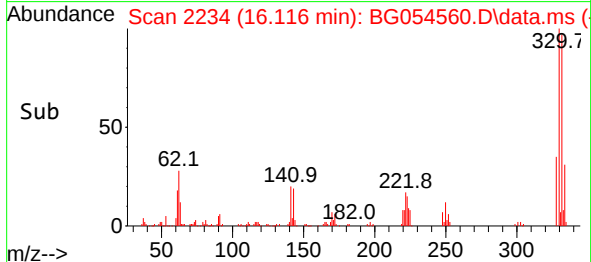
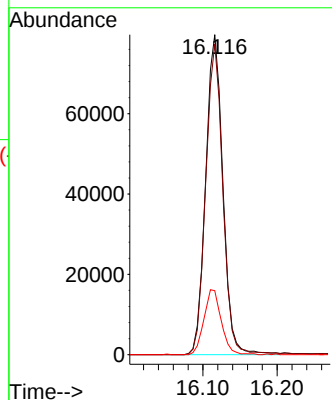
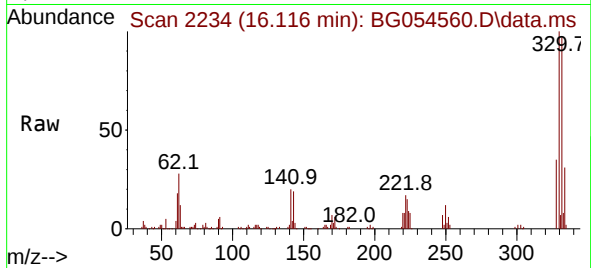




#42
2,4,6-Tribromophenol
Concen: 101.197 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

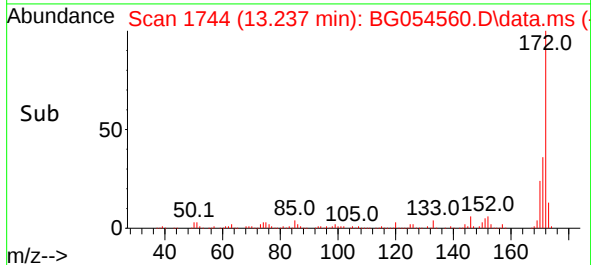
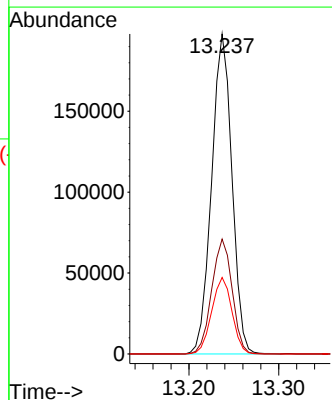
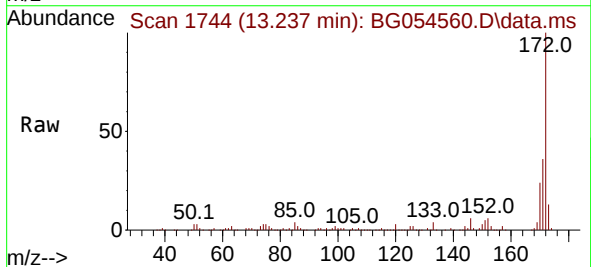
Instrument :
BNA_G
ClientSampleId :
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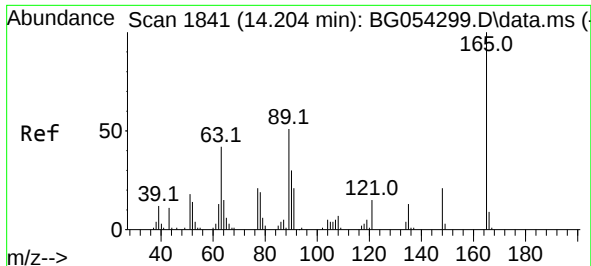
Tgt Ion:330 Resp: 128831
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.4 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 72.354 ng
RT: 13.237 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:172 Resp: 310986
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.9 18.9 28.3

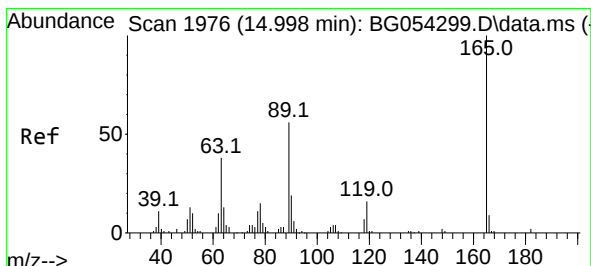
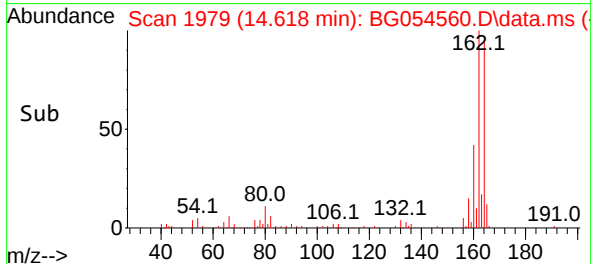
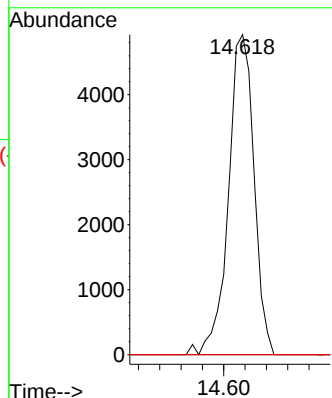
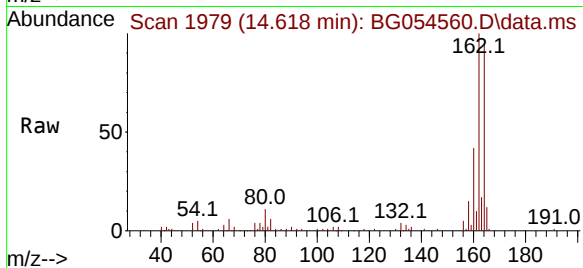




#51
2,6-Dinitrotoluene
Concen: 7.897 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.423 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

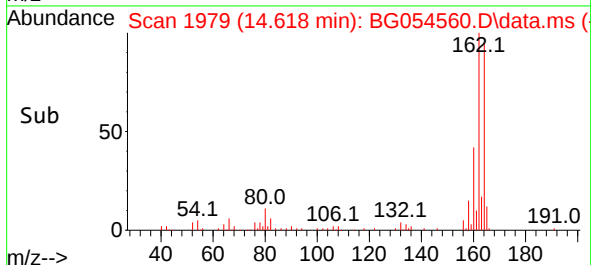
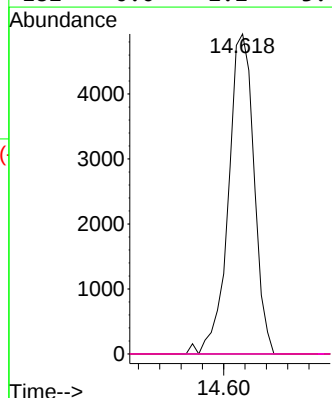
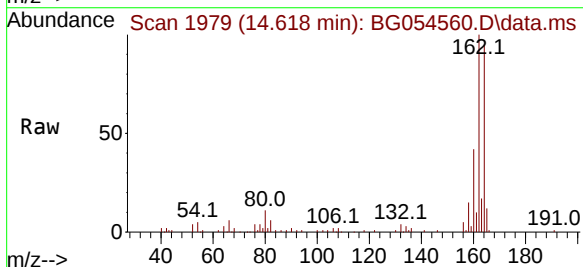
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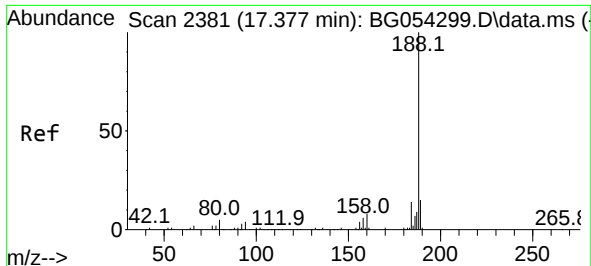
Tgt Ion:165 Resp: 8203
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.508 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:165 Resp: 8203
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#

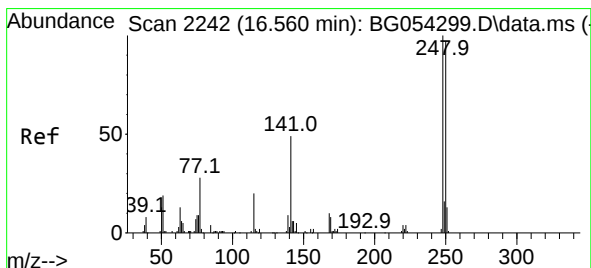
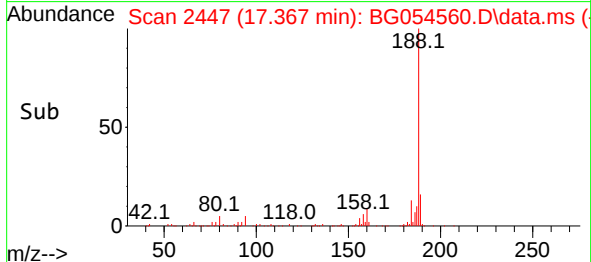
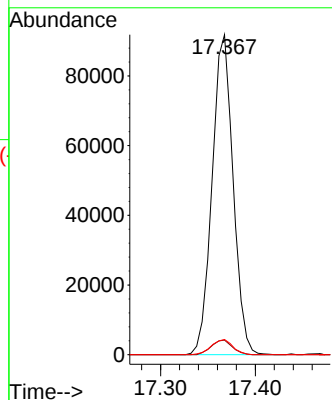
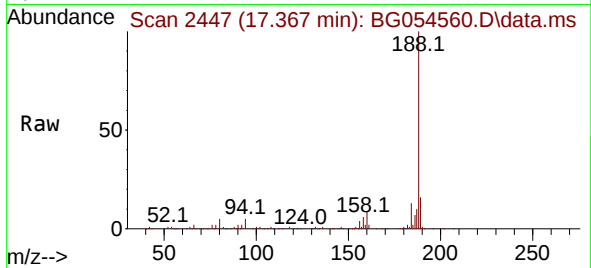




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

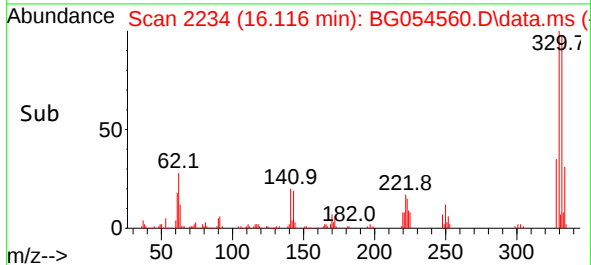
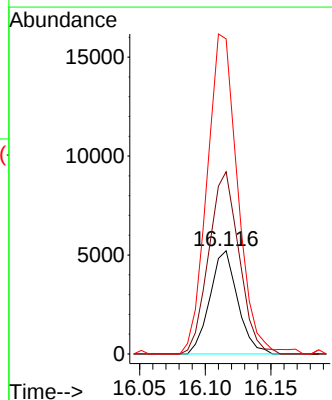
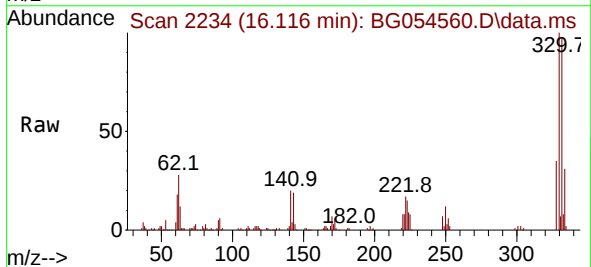
Instrument :
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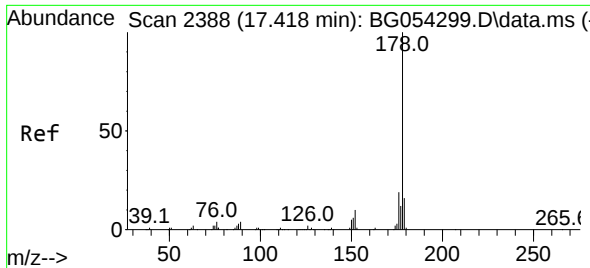
Tgt Ion:188 Resp: 141070
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.876 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.429 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:248 Resp: 7680
Ion Ratio Lower Upper
248 100
250 176.5 75.2 112.8#
141 305.1 50.0 75.0#

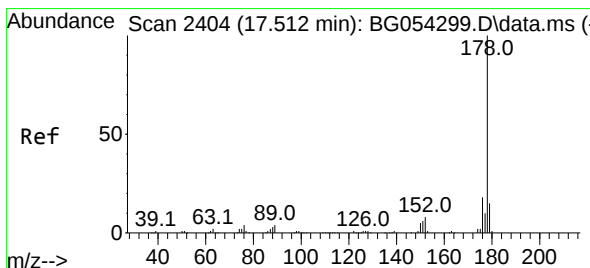
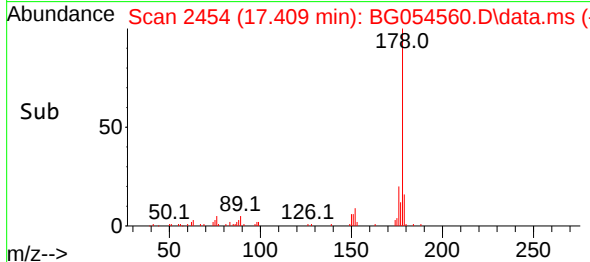
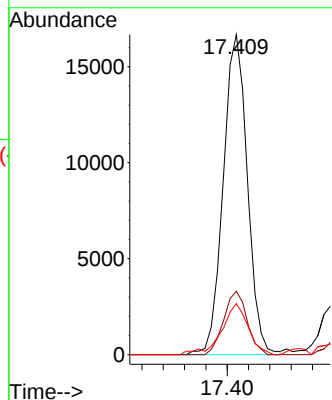
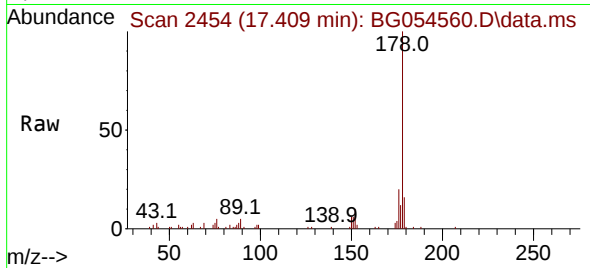




#71
Phenanthrene
Concen: 3.729 ng
RT: 17.409 min Scan# 2454
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

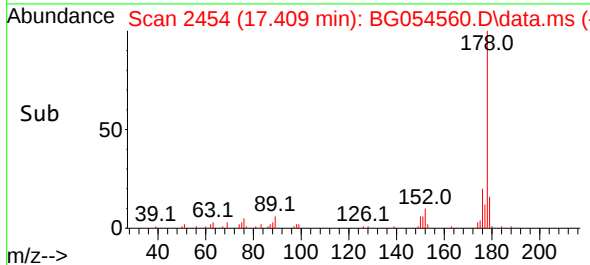
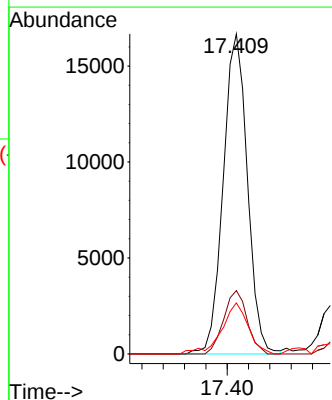
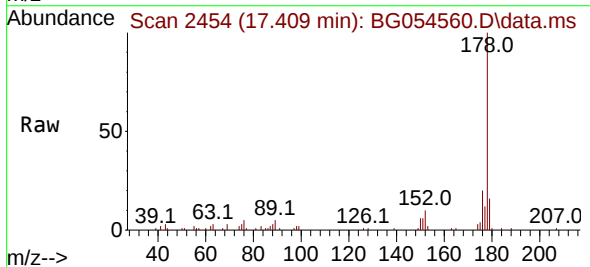
Instrument :
BNA_G
ClientSampleId :
RVE-181

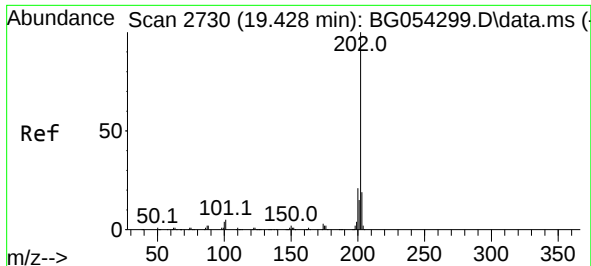
Tgt Ion:178 Resp: 26194
Ion Ratio Lower Upper
178 100
176 19.8 14.1 21.1
179 15.9 12.1 18.1



#72
Anthracene
Concen: 3.800 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.088 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:178 Resp: 26194
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.9 13.0 19.4

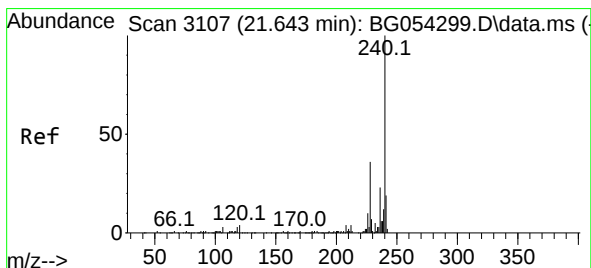
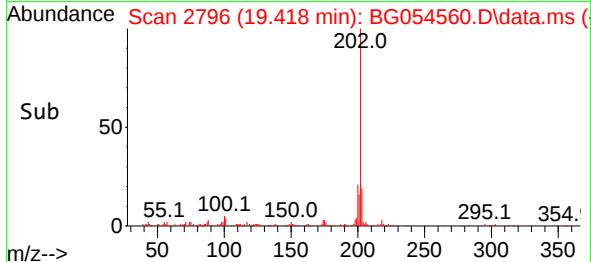
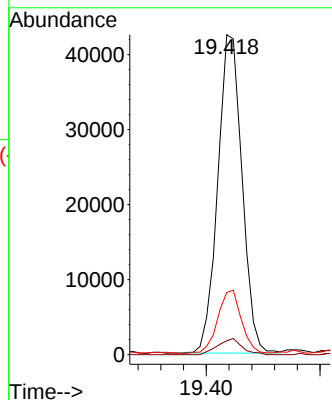
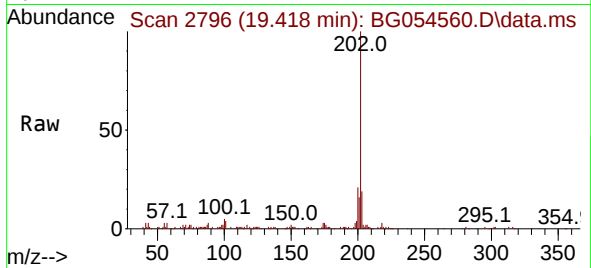




#75
Fluoranthene
Concen: 6.578 ng
RT: 19.418 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

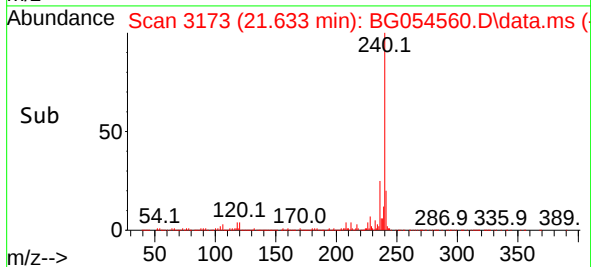
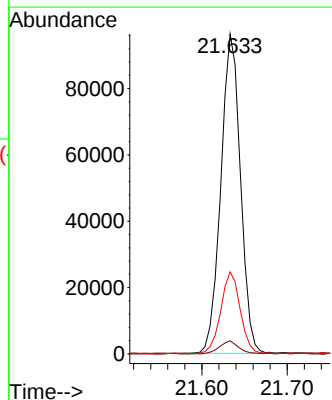
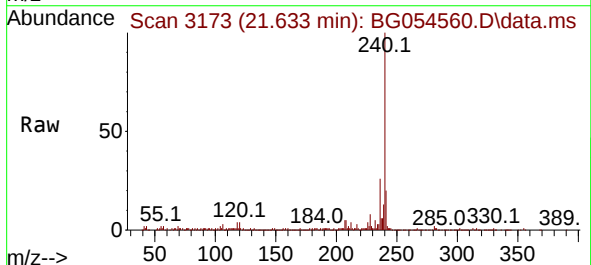
Instrument :
BNA_G
ClientSampleId :
RVE-181

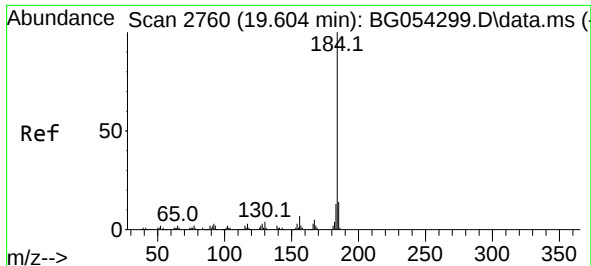
Tgt Ion:202 Resp: 62995
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:240 Resp: 154044
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 25.6 20.2 30.4

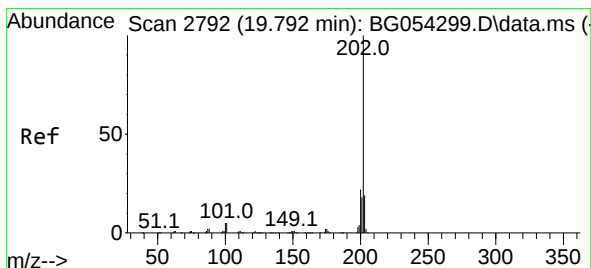
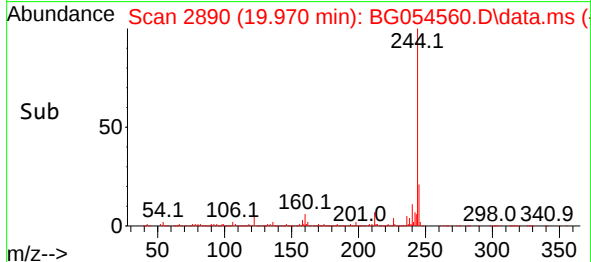
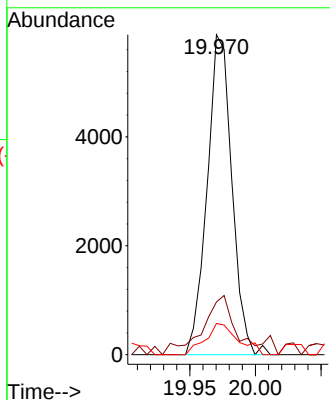
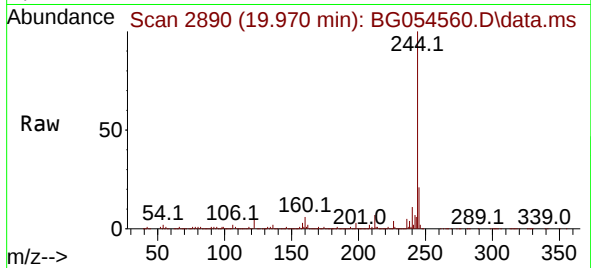




#77
Benzidine
Concen: 2.770 ng
RT: 19.970 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

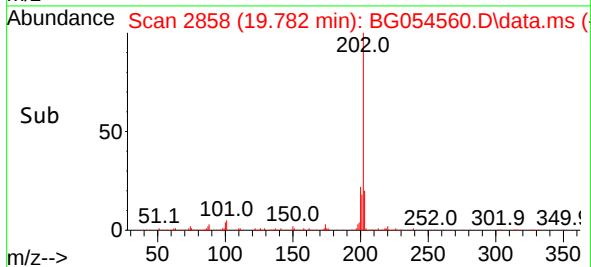
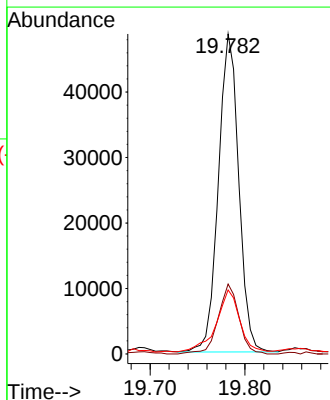
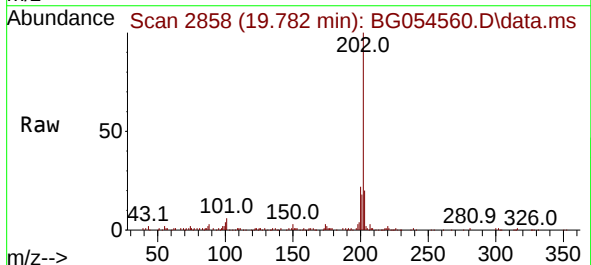
Instrument :
BNA_G
ClientSampleId :
RVE-181

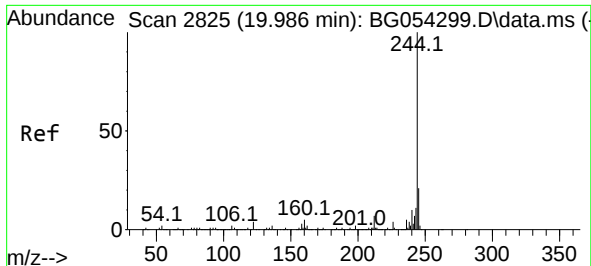
Tgt Ion:184 Resp: 7728
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.6
183 9.8 8.9 13.3



#78
Pyrene
Concen: 8.205 ng
RT: 19.782 min Scan# 2858
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:202 Resp: 72527
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 20.0 14.6 21.8

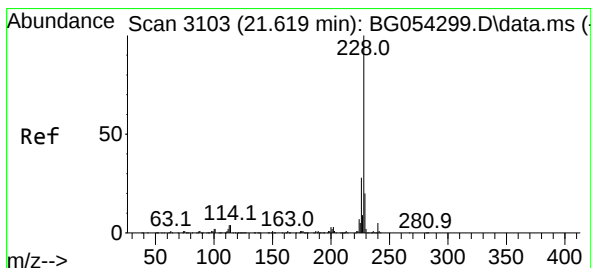
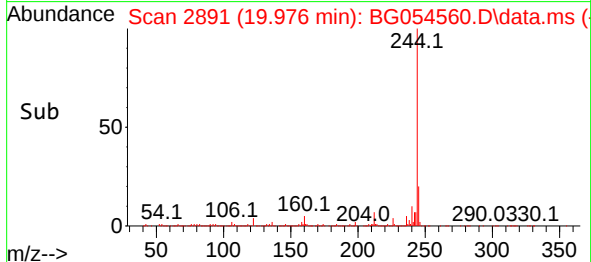
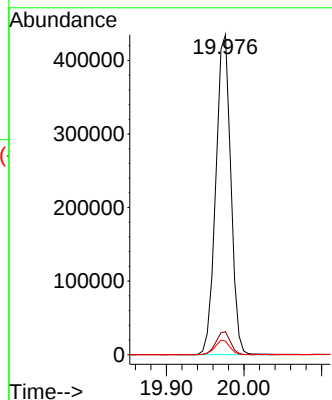
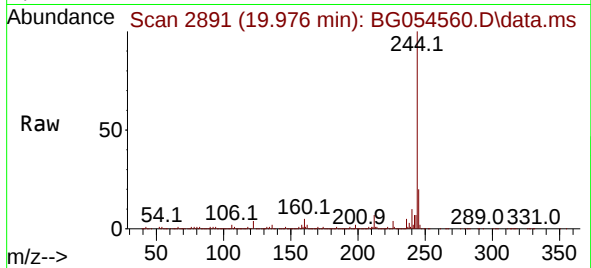




#79
 Terphenyl-d14
 Concen: 75.172 ng
 RT: 19.976 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

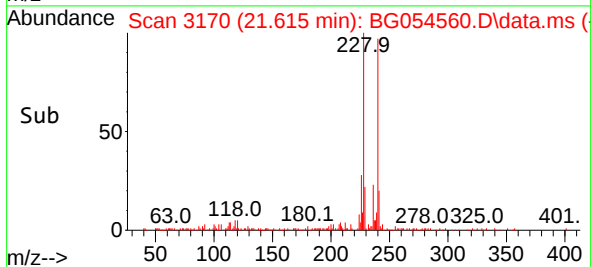
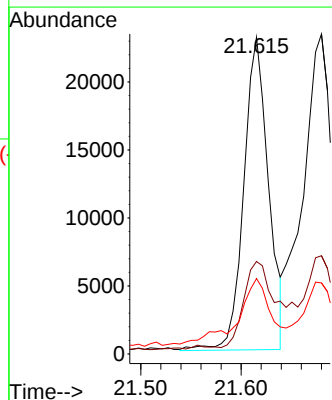
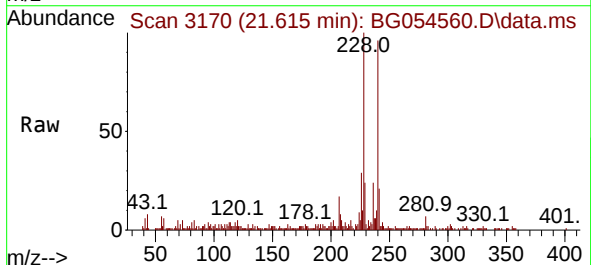
Instrument :
 BNA_G
 ClientSampleId :
 RVE-181

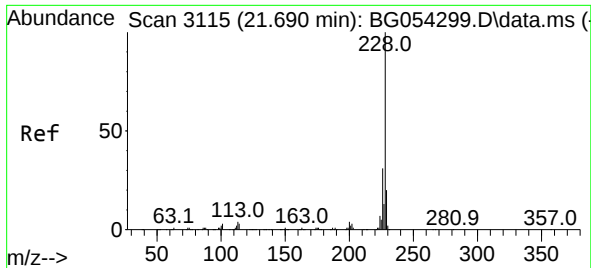
Tgt Ion:244 Resp: 583721
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.028 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. 0.000 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

Tgt Ion:228 Resp: 39393
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 23.8 16.2 24.2

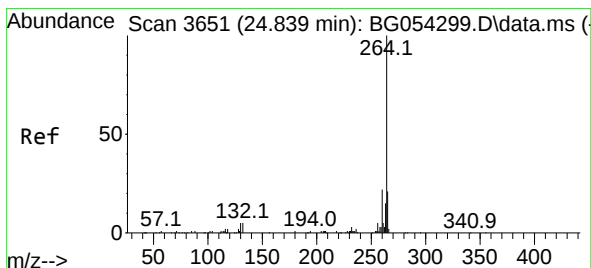
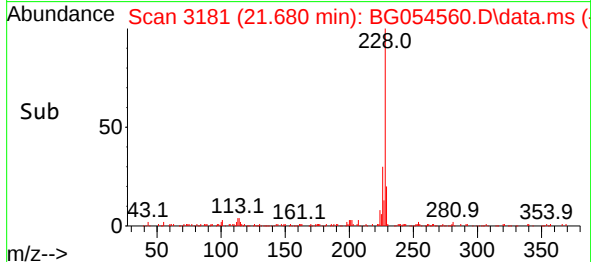
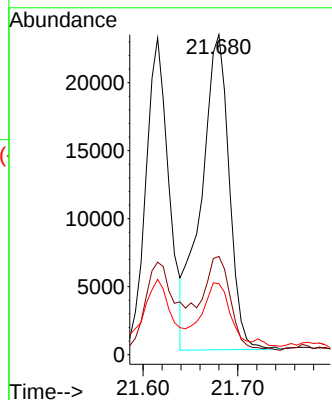
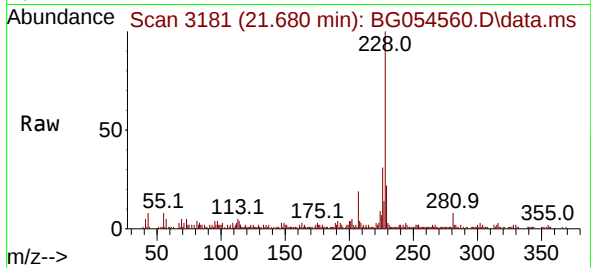




#83
Chrysene
Concen: 5.155 ng
RT: 21.680 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

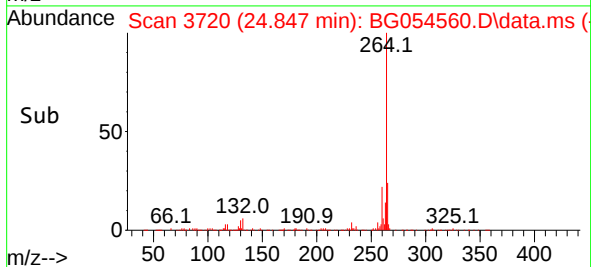
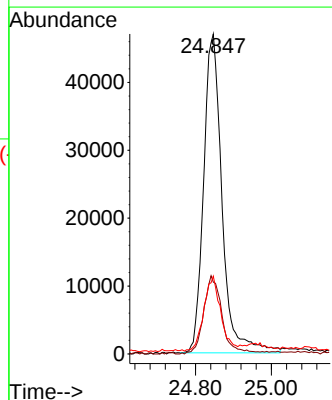
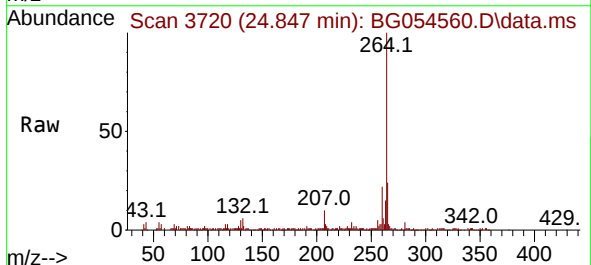
Instrument :
BNA_G
ClientSampleId :
RVE-181

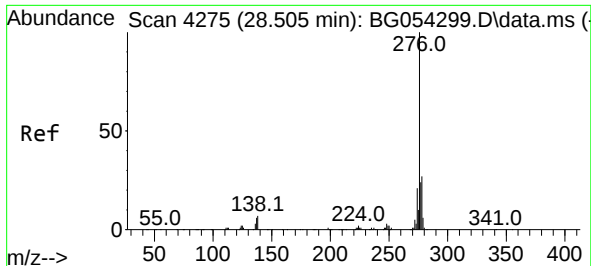
Tgt Ion:228	Resp:	47621
Ion Ratio	Lower	Upper
228	100	
226	30.7	23.4 35.2
229	22.2	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.847 min Scan# 3720
Delta R.T. 0.012 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

Tgt Ion:264	Resp:	158527
Ion Ratio	Lower	Upper
264	100	
260	22.5	19.0 28.6
265	24.3	17.4 26.2

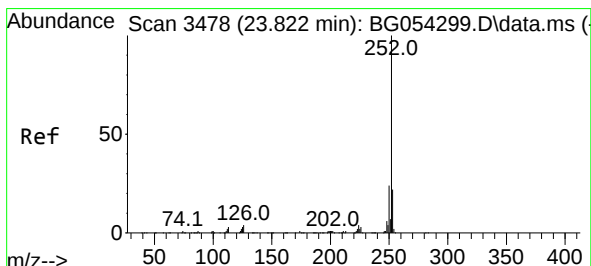
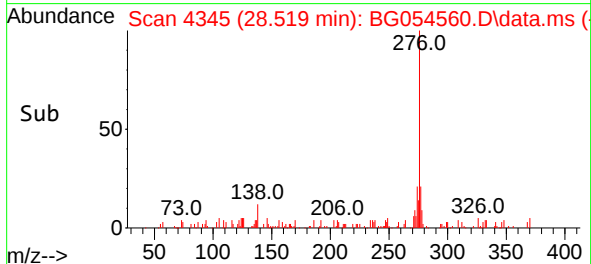
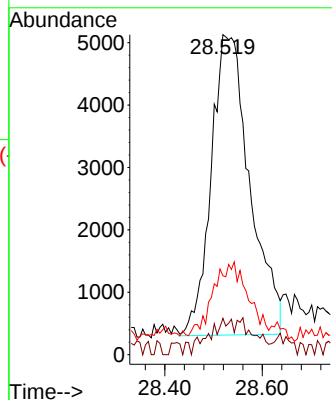
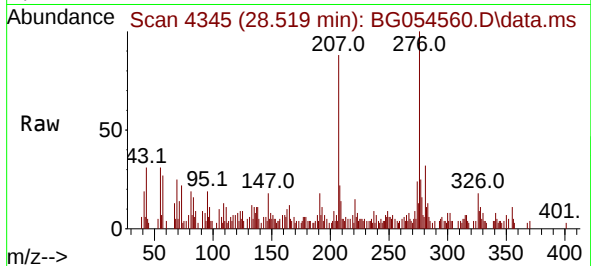




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.204 ng
 RT: 28.519 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

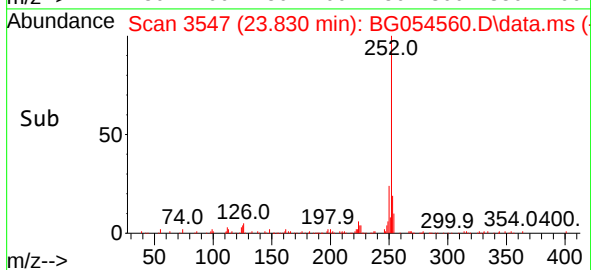
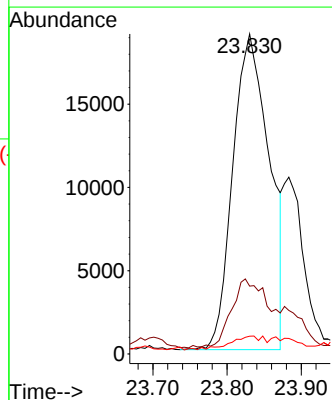
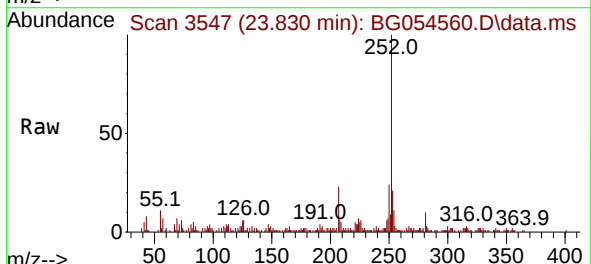
Instrument :
 BNA_G
 ClientSampleId :
 RVE-181

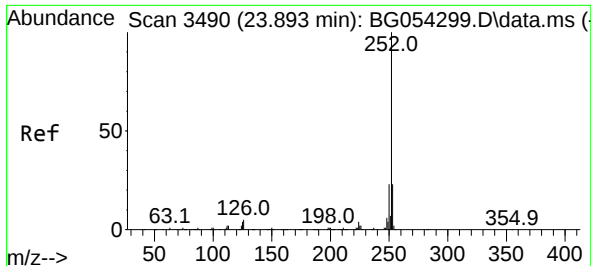
Tgt Ion:276 Resp: 26583
 Ion Ratio Lower Upper
 276 100
 138 4.9 5.0 7.4#
 277 0.0 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 6.887 ng
 RT: 23.830 min Scan# 3547
 Delta R.T. 0.012 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

Tgt Ion:252 Resp: 64563
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.0 27.0
 125 5.5 4.6 6.8

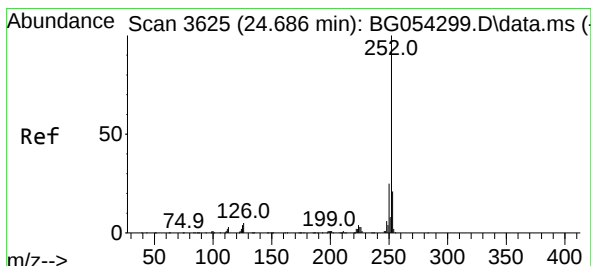
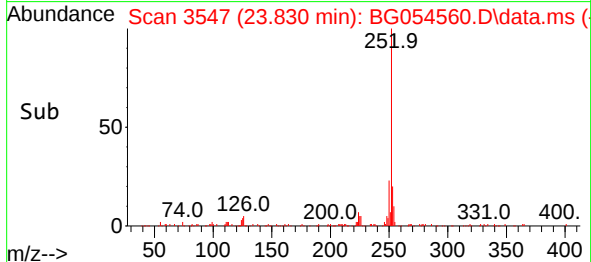
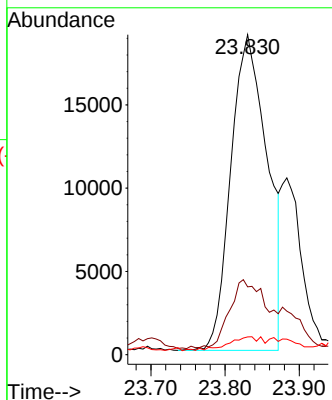
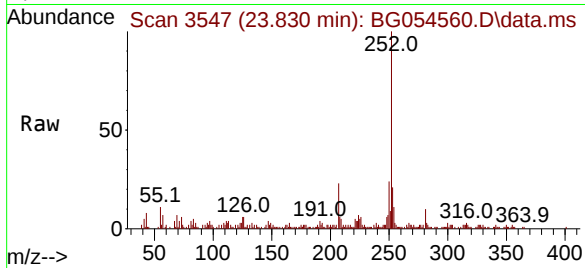




#89
Benzo(k)fluoranthene
Concen: 6.920 ng
RT: 23.830 min Scan# 31
Delta R.T. -0.053 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

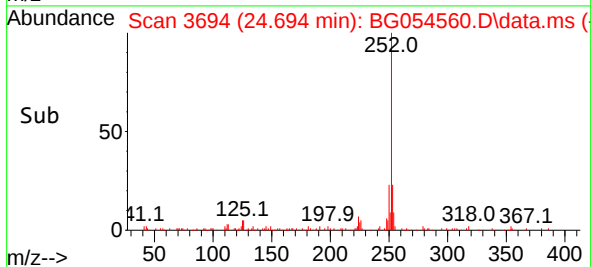
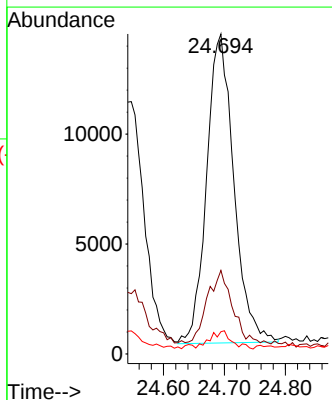
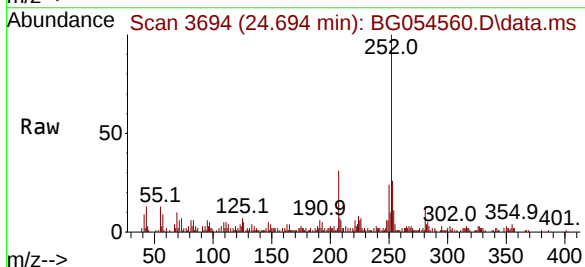
Instrument :
BNA_G
ClientSampleId :
RVE-181

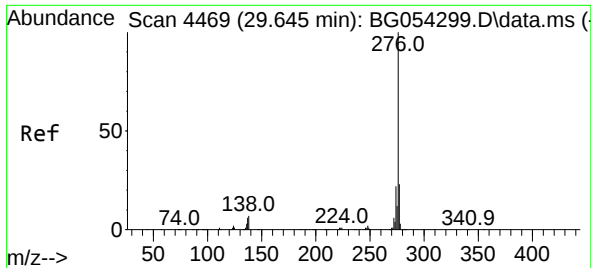
Tgt Ion:252 Resp: 64563
Ion Ratio Lower Upper
252 100
253 21.2 18.4 27.6
125 5.5 4.8 7.2



#90
Benzo(a)pyrene
Concen: 5.442 ng
RT: 24.694 min Scan# 3694
Delta R.T. 0.006 min
Lab File: BG054560.D
Acq: 8 Aug 2022 19:43

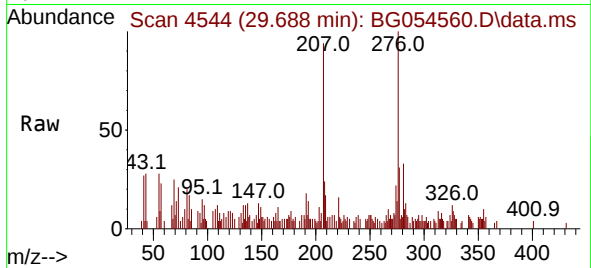
Tgt Ion:252 Resp: 43572
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 7.0 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.597 ng
 RT: 29.688 min Scan# 4
 Delta R.T. 0.012 min
 Lab File: BG054560.D
 Acq: 8 Aug 2022 19:43

Instrument :
 BNA_G
 ClientSampleId :
 RVE-181



Tgt Ion:276 Resp: 25416
 Ion Ratio Lower Upper
 276 100
 277 31.0 17.3 25.9#
 138 5.7 9.6 14.4#

