

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054456.D
 Acq On : 29 Jul 2022 19:39
 Operator : CG/JU
 Sample : N3895-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-39D

Quant Time: Jul 30 03:18:56 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)

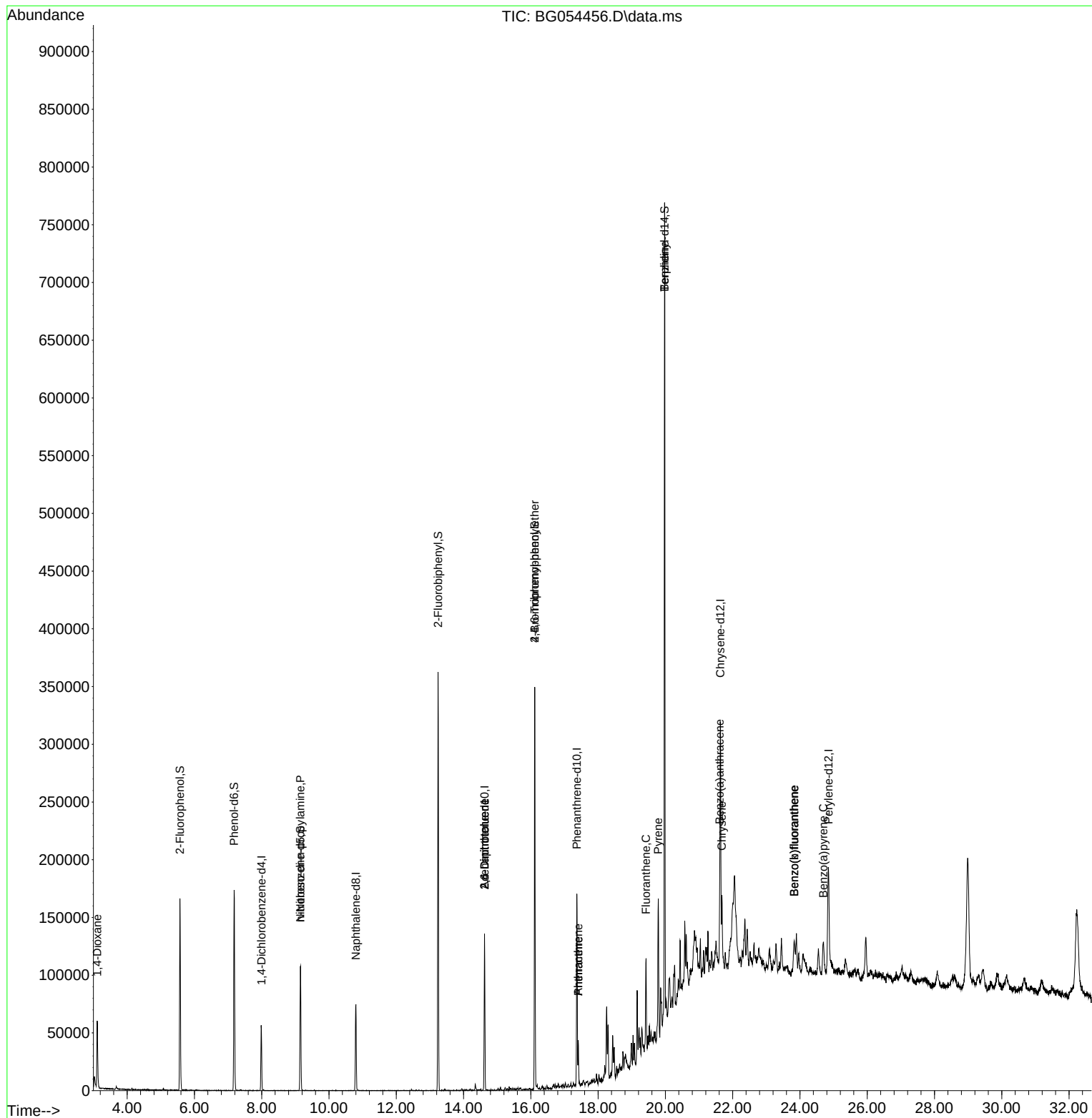
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	17974	20.000	ng	# 0.00
21) Naphthalene-d8	10.799	136	68255	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	50514	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	119564	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	135453	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	135831	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	76722	89.121	ng	0.00
7) Phenol-d6	7.180	99	102995	87.313	ng	0.00
23) Nitrobenzene-d5	9.148	82	68714	54.823	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	89658	84.535	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	209419	58.484	ng	0.00
79) Terphenyl-d14	19.977	244	405328	59.363	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.108	88	714	2.085	ng	# 1
9) Benzaldehyde	7.186	77	81	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.148	70	9734	12.357	ng	# 82
51) 2,6-Dinitrotoluene	14.624	165	7209	8.330	ng	# 16
57) 2,4-Dinitrotoluene	14.624	165	7209	5.811	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	5145	3.064	ng	# 1
71) Phenanthrene	17.409	178	26974	4.530	ng	98
72) Anthracene	17.409	178	26974	4.616	ng	99
75) Fluoranthene	19.424	202	46890	5.777	ng	97
77) Benzidine	19.977	184	5565	2.269	ng	# 84
78) Pyrene	19.789	202	82592	10.627	ng	97
81) Benzo(a)anthracene	21.616	228	40030	4.655	ng	# 89
83) Chrysene	21.680	228	48914	6.021	ng	# 92
88) Benzo(b)fluoranthene	23.831	252	39988	4.978	ng	98
89) Benzo(k)fluoranthene	23.831	252	39988	5.002	ng	99
90) Benzo(a)pyrene	24.695	252	31823	4.639	ng	# 95

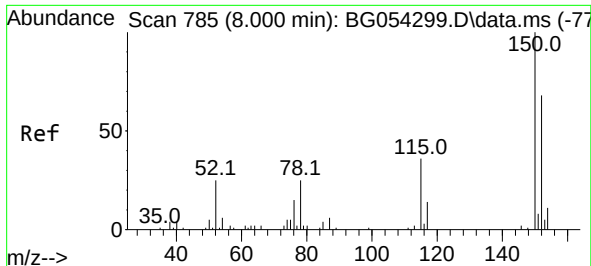
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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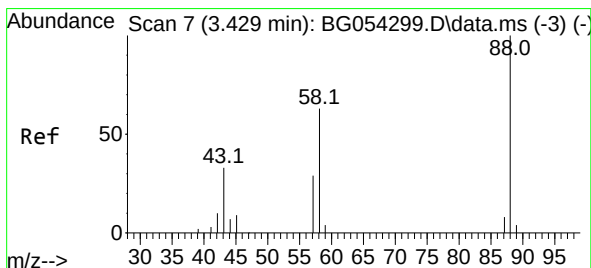
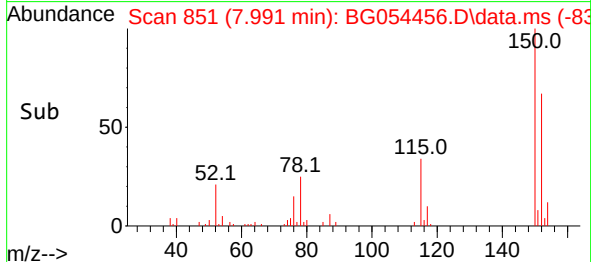
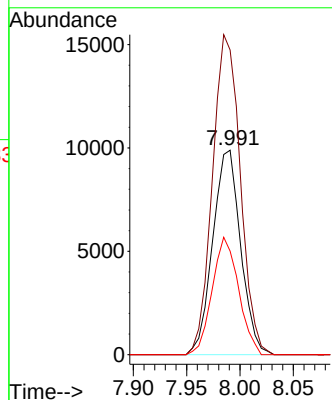
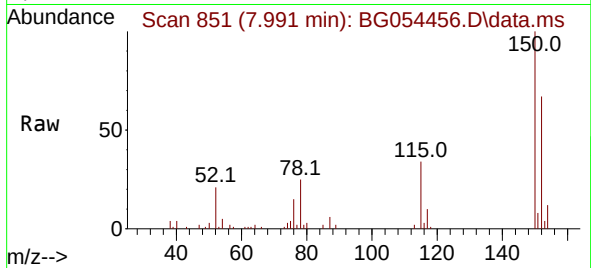




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.991 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: BG054456.D
 Acq: 29 Jul 2022 19:39

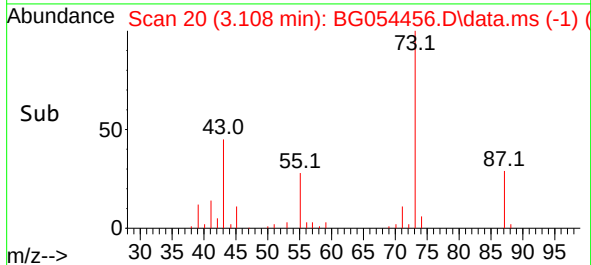
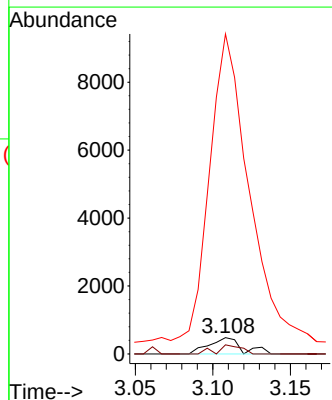
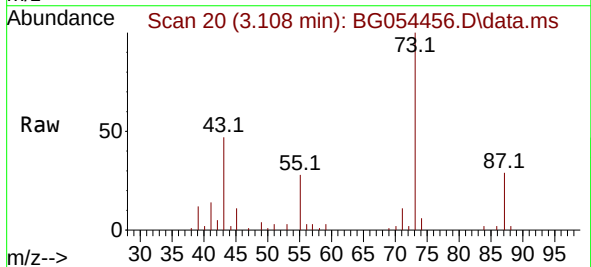
Instrument :
 BNA_G
 ClientSampleId :
 RVE-39D

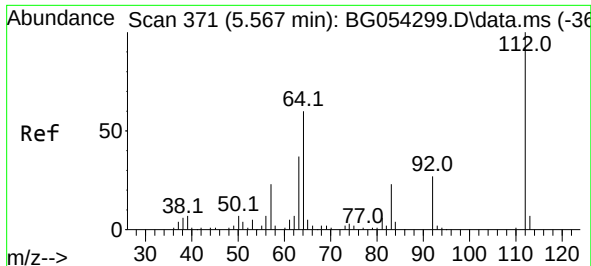
Tgt Ion:152 Resp: 17974
 Ion Ratio Lower Upper
 152 100
 150 149.0 131.6 197.4
 115 50.6 50.9 76.3#



#2
 1,4-Dioxane
 Concen: 2.085 ng
 RT: 3.108 min Scan# 20
 Delta R.T. -0.309 min
 Lab File: BG054456.D
 Acq: 29 Jul 2022 19:39

Tgt Ion: 88 Resp: 714
 Ion Ratio Lower Upper
 88 100
 58 40.5 59.2 88.8#
 43 2276.9 24.3 36.5#

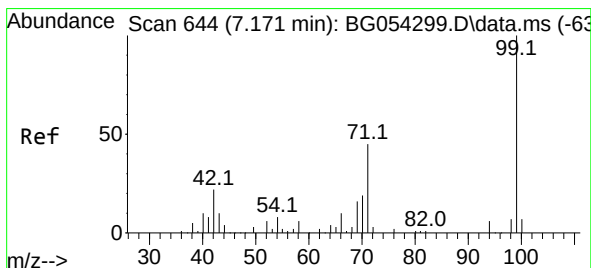
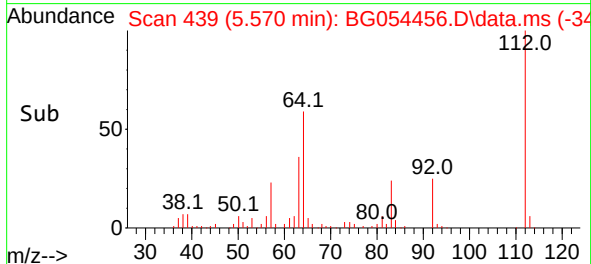
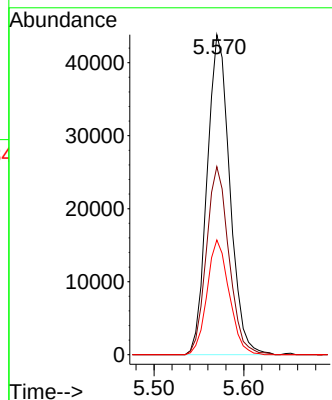
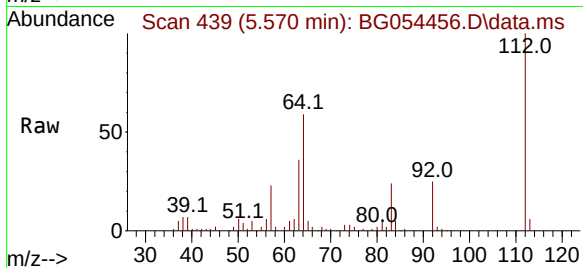




#5
2-Fluorophenol
Concen: 89.121 ng
RT: 5.570 min Scan# 41
Delta R.T. 0.008 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

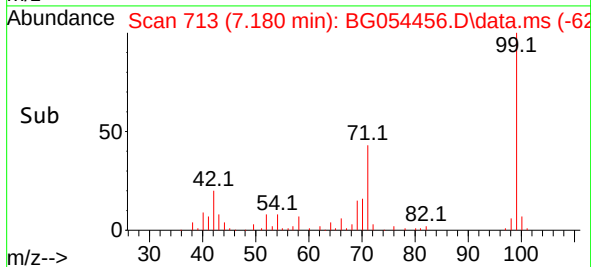
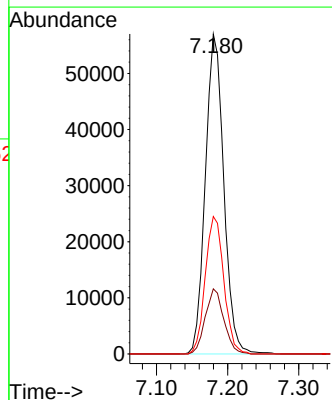
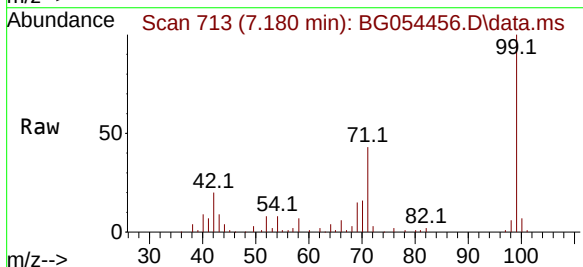
Instrument :
BNA_G
ClientSampleId :
RVE-39D

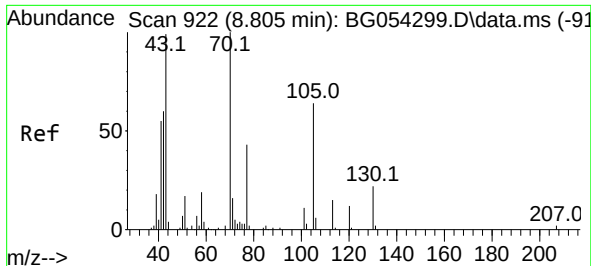
Tgt Ion:112 Resp: 76722
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.9 30.4 45.6



#7
Phenol-d6
Concen: 87.313 ng
RT: 7.180 min Scan# 713
Delta R.T. 0.008 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion: 99 Resp: 102995
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 43.0 33.8 50.8

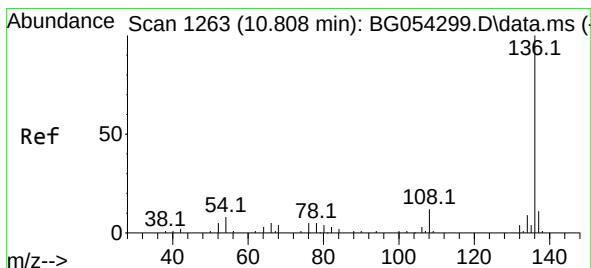
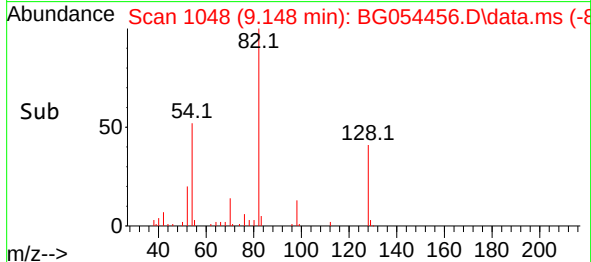
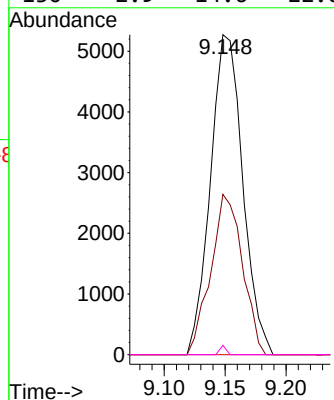
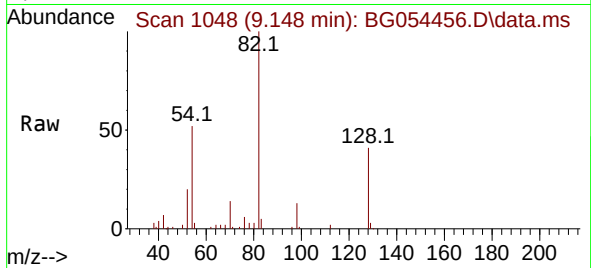




#19
n-Nitroso-di-n-propylamine
Concen: 12.357 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

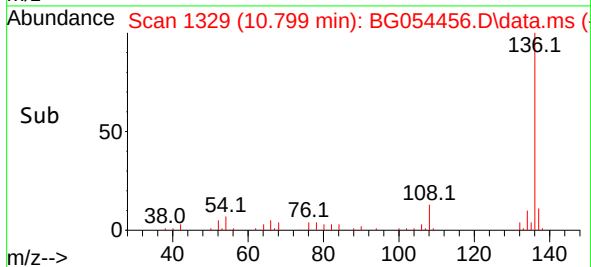
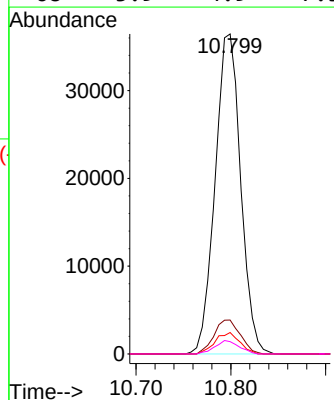
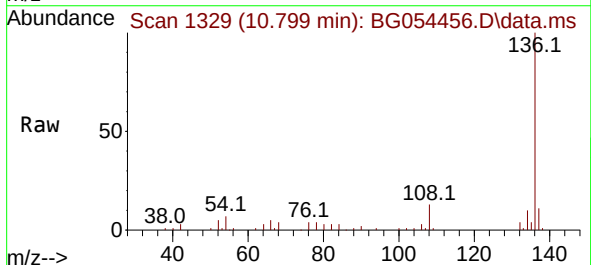
Instrument :
BNA_G
ClientSampleId :
RVE-39D

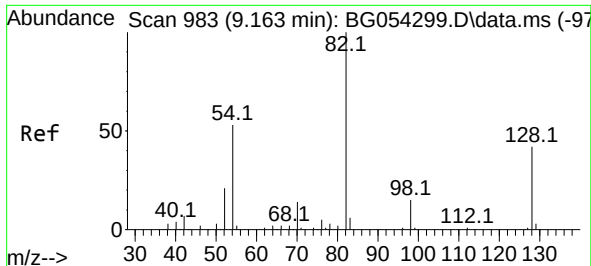
Tgt Ion:	70	Resp:	9734
Ion	Ratio	Lower	Upper
70	100		
42	50.1	47.3	70.9
101	0.0	7.0	10.4#
130	2.9	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.799 min Scan# 1329
Delta R.T. 0.002 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:	136	Resp:	68255
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.7	7.4	11.2#
68	3.9	4.9	7.3#

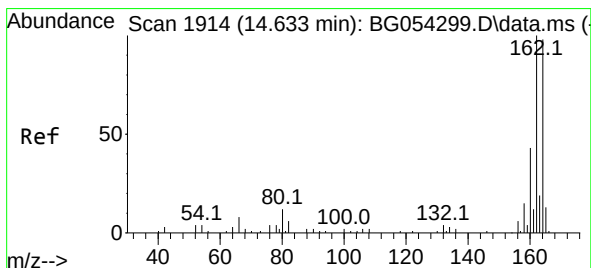
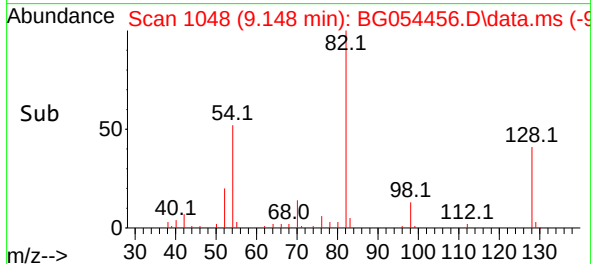
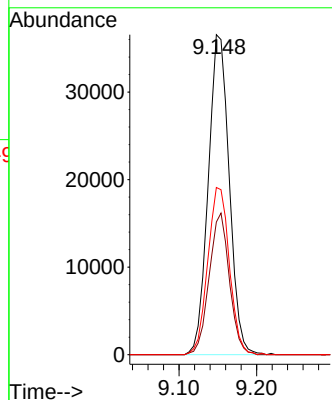
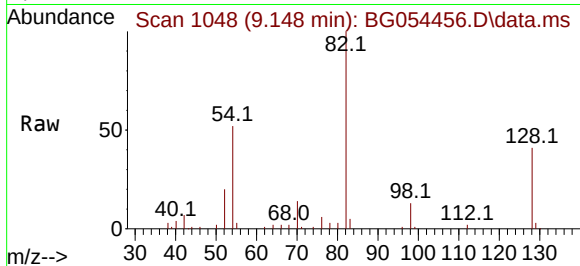




#23
Nitrobenzene-d5
Concen: 54.823 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

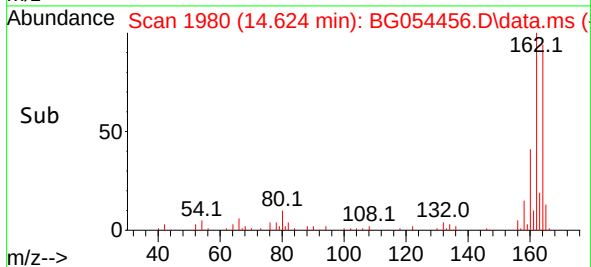
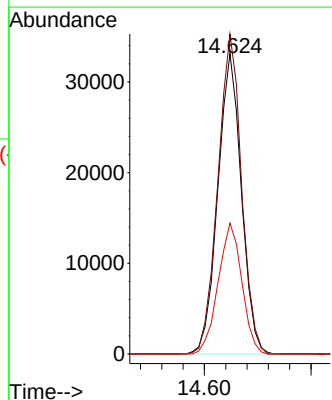
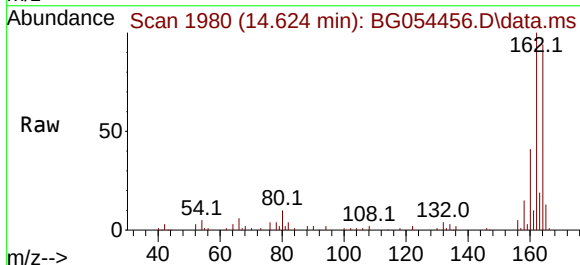
Instrument :
BNA_G
ClientSampleId :
RVE-39D

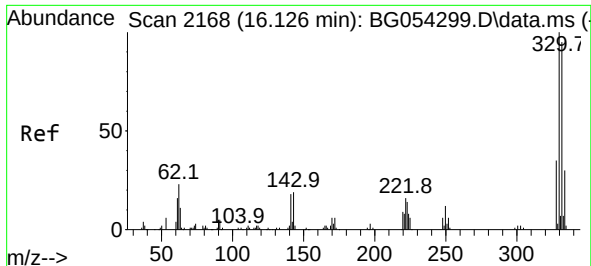
Tgt Ion: 82 Resp: 68714
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 52.2 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.002 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:164 Resp: 50514
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 43.6 34.2 51.2

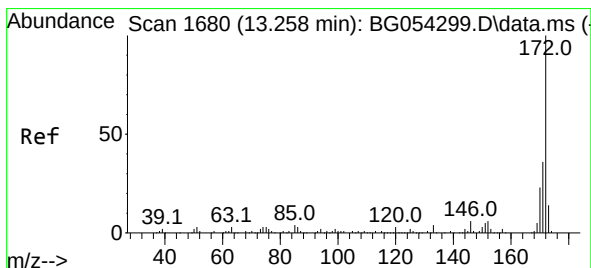
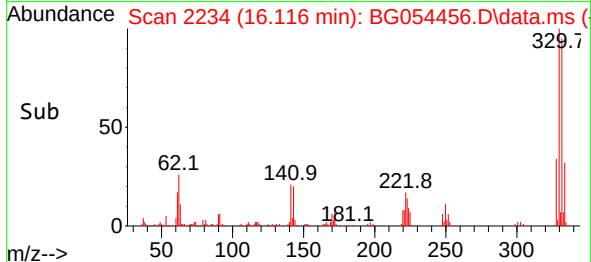
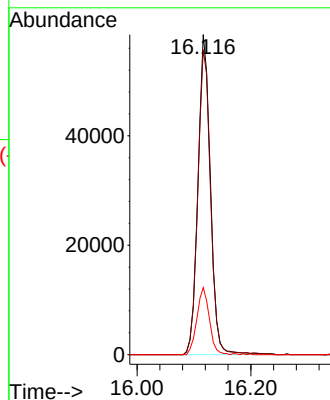
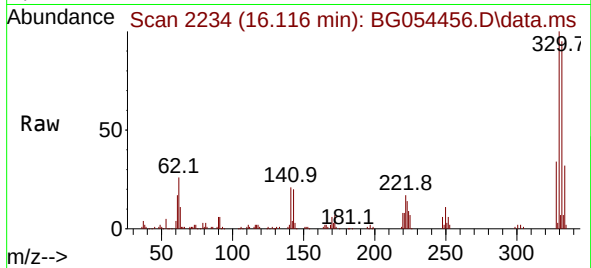




#42
2,4,6-Tribromophenol
Concen: 84.535 ng
RT: 16.116 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

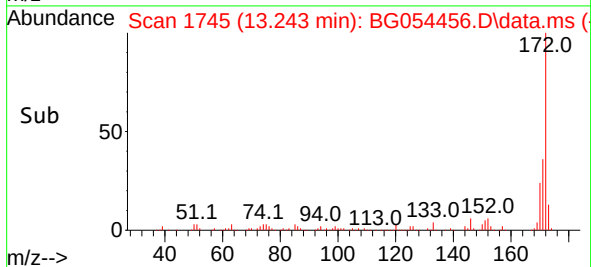
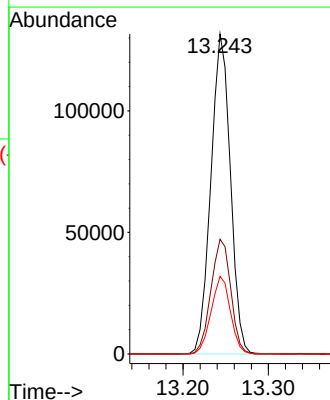
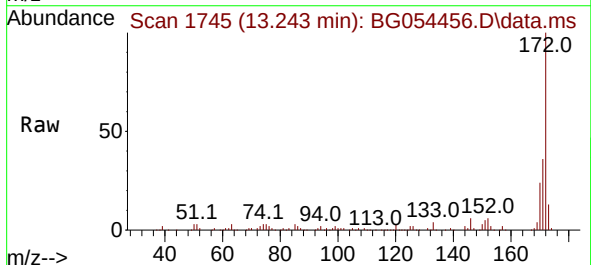
Instrument :
BNA_G
ClientSampleId :
RVE-39D

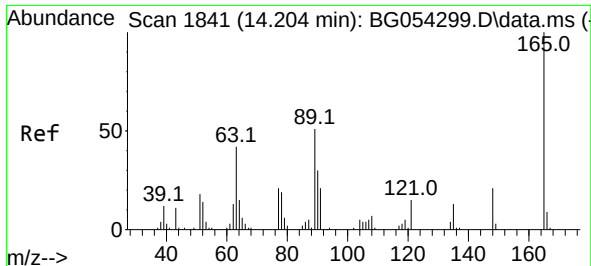
Tgt Ion:330 Resp: 89658
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 20.7 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 58.484 ng
RT: 13.243 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:172 Resp: 209419
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 24.3 18.9 28.3

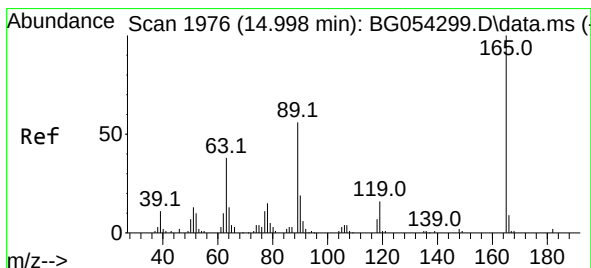
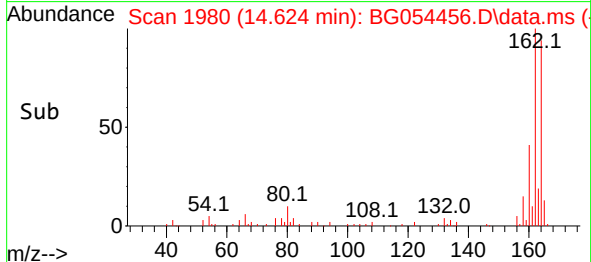
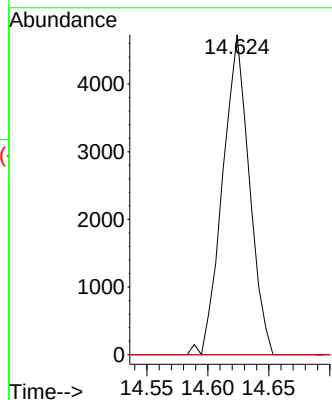
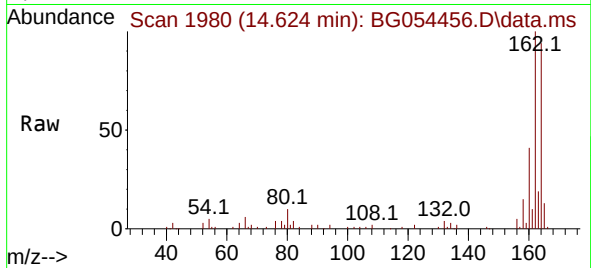




#51
2,6-Dinitrotoluene
Concen: 8.330 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.425 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

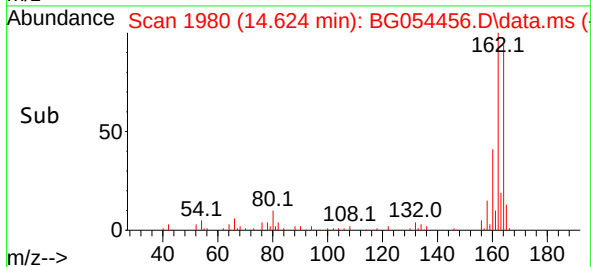
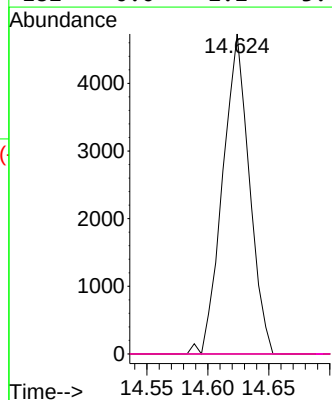
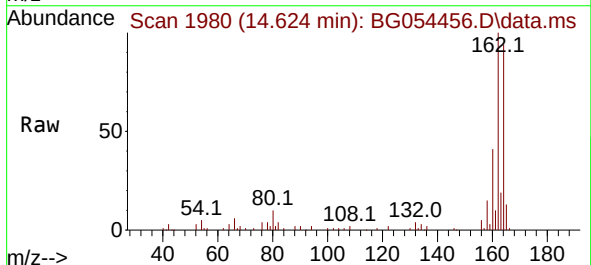
Instrument :
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RVE-39D

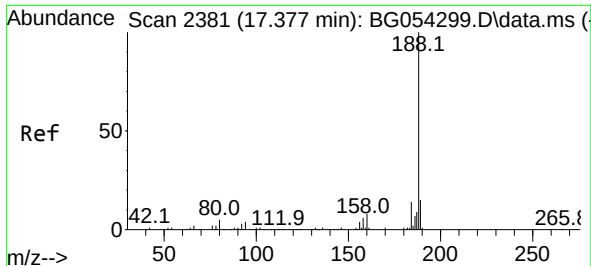
Tgt Ion:165 Resp: 7209
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.811 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.368 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:165 Resp: 7209
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#

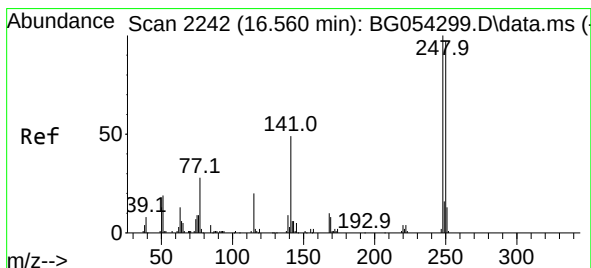
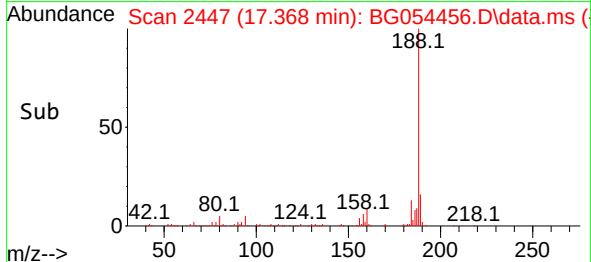
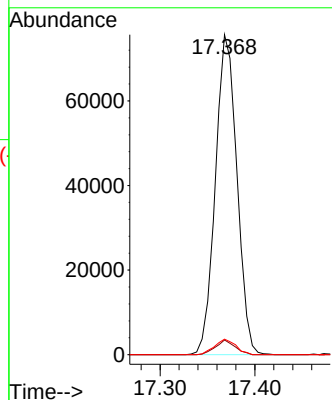
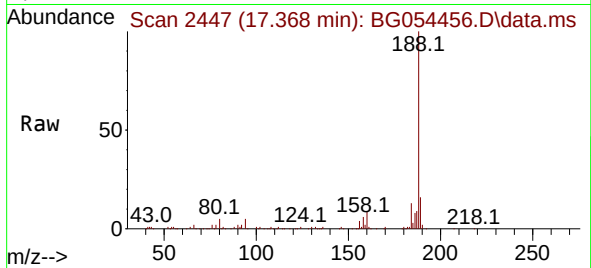




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. -0.004 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

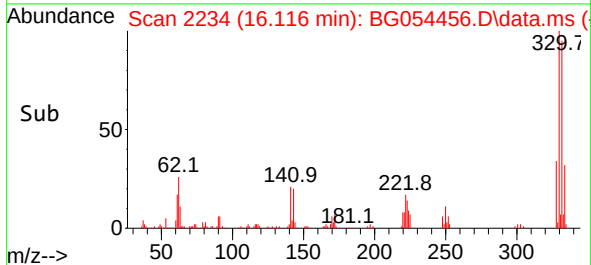
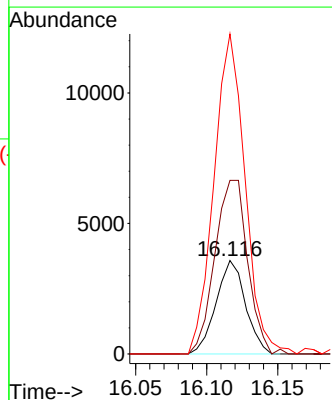
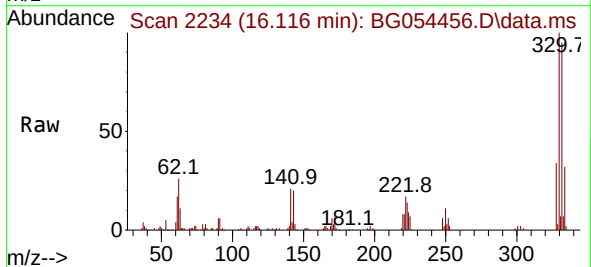
Instrument :
BNA_G
ClientSampleId :
RVE-39D

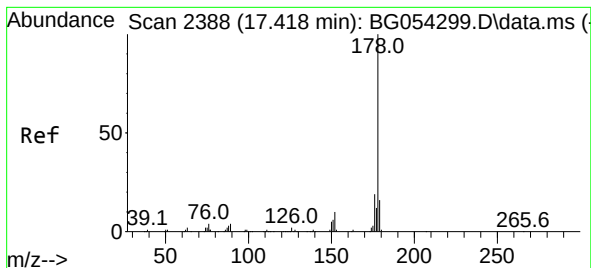
Tgt Ion:188 Resp: 119564
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 4.8 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.064 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.438 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:248 Resp: 5145
Ion Ratio Lower Upper
248 100
250 242.5 75.2 112.8#
141 342.2 50.0 75.0#





#71

Phenanthrene

Concen: 4.530 ng

RT: 17.409 min Scan# 2454

Delta R.T. -0.004 min

Lab File: BG054456.D

Acq: 29 Jul 2022 19:39

Instrument :

BNA_G

ClientSampleId :

RVE-39D

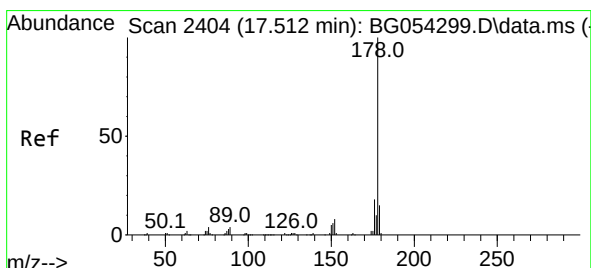
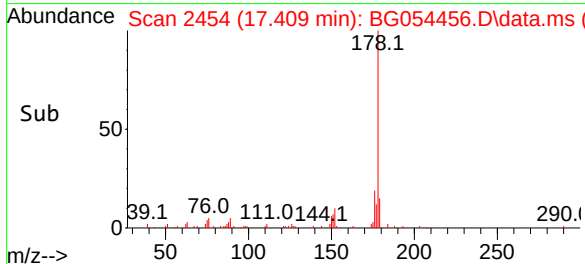
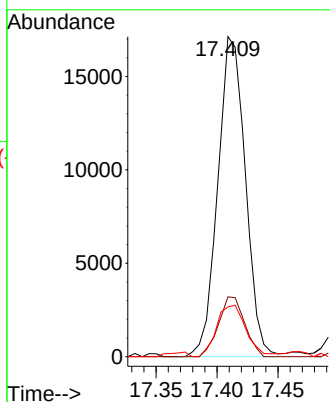
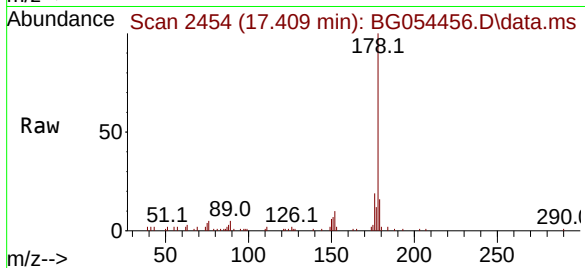
Tgt Ion:178 Resp: 26974

Ion Ratio Lower Upper

178 100

176 18.7 14.1 21.1

179 15.5 12.1 18.1



#72

Anthracene

Concen: 4.616 ng

RT: 17.409 min Scan# 2454

Delta R.T. -0.092 min

Lab File: BG054456.D

Acq: 29 Jul 2022 19:39

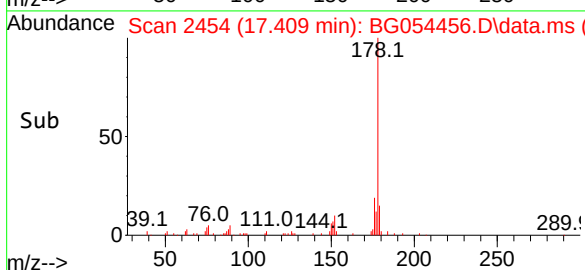
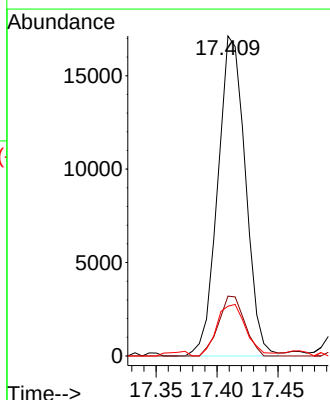
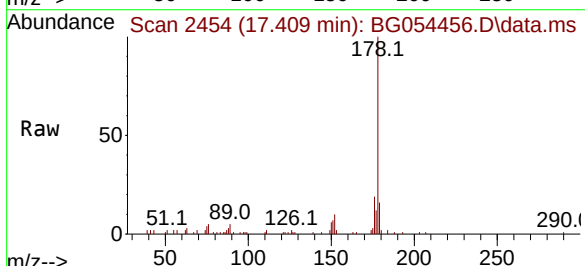
Tgt Ion:178 Resp: 26974

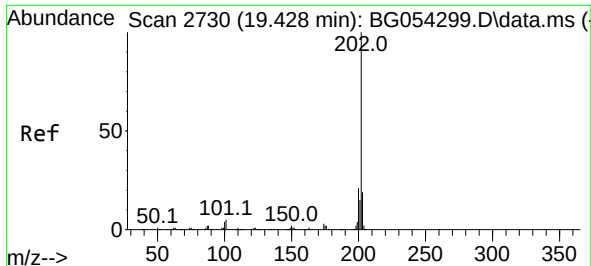
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.5 13.0 19.4

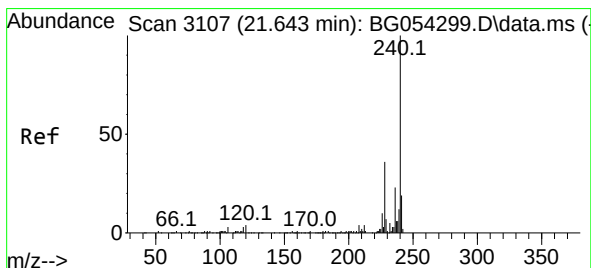
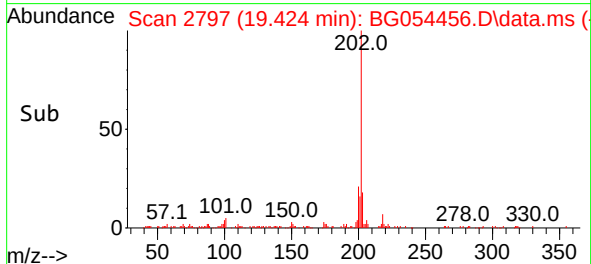
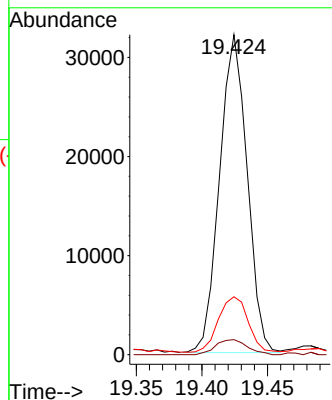
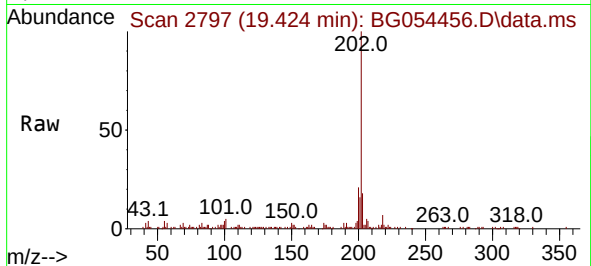




#75
Fluoranthene
Concen: 5.777 ng
RT: 19.424 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

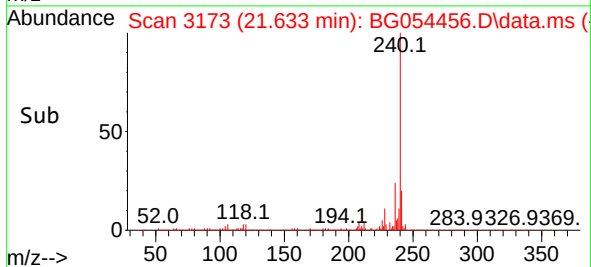
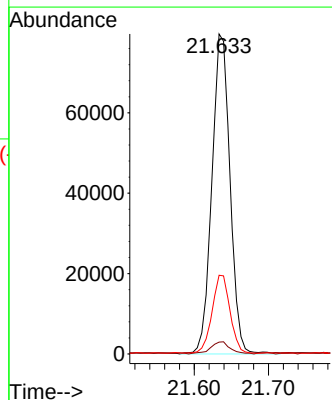
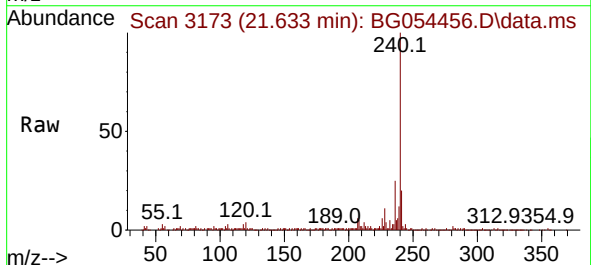
Instrument :
BNA_G
ClientSampleId :
RVE-39D

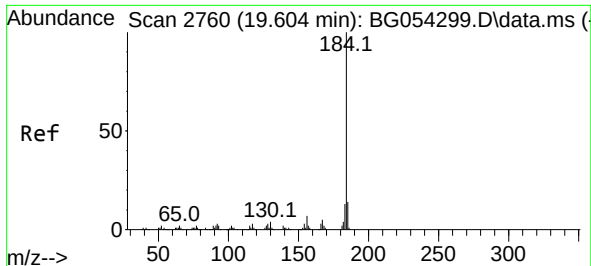
Tgt Ion:202 Resp: 46890
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 18.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:240 Resp: 135453
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.6 20.2 30.4

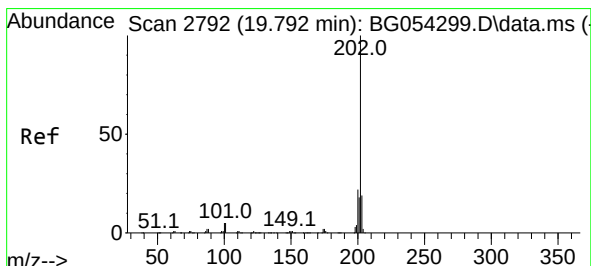
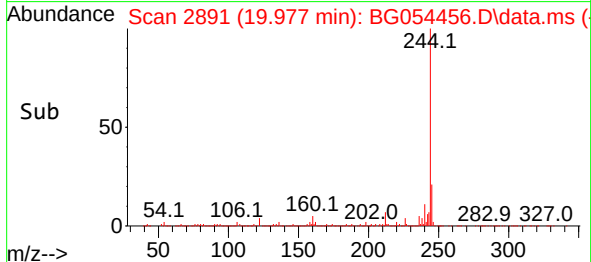
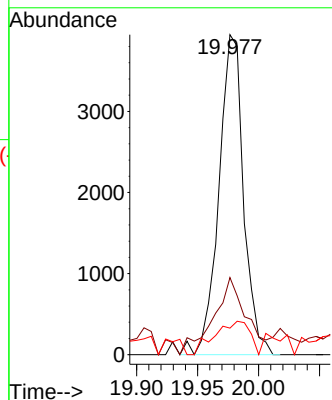
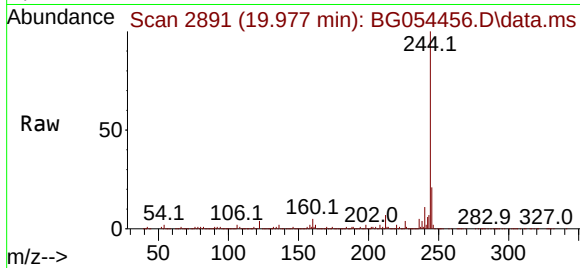




#77
Benzidine
Concen: 2.269 ng
RT: 19.977 min Scan# 2891
Delta R.T. 0.378 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

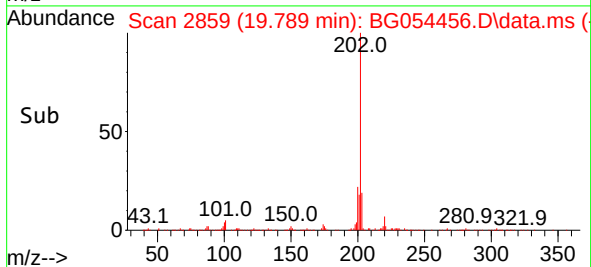
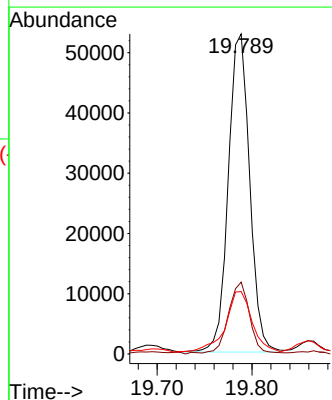
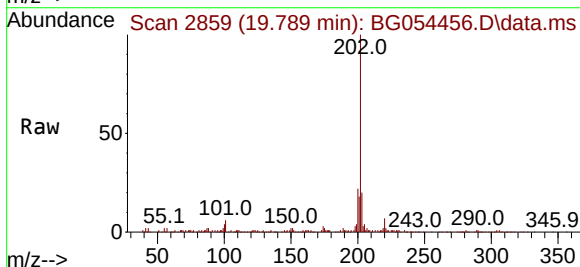
Instrument :
BNA_G
ClientSampleId :
RVE-39D

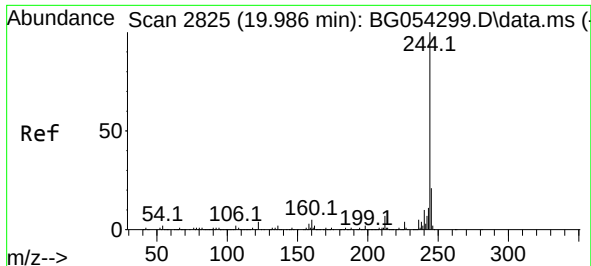
Tgt Ion:184 Resp: 5565
Ion Ratio Lower Upper
184 100
185 24.1 11.8 17.6#
183 8.3 8.9 13.3#



#78
Pyrene
Concen: 10.627 ng
RT: 19.789 min Scan# 2859
Delta R.T. 0.002 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:202 Resp: 82592
Ion Ratio Lower Upper
202 100
200 22.4 16.6 24.8
203 19.5 14.6 21.8

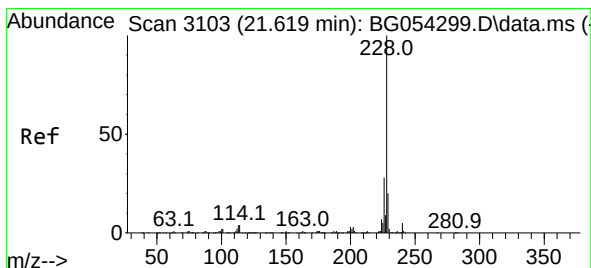
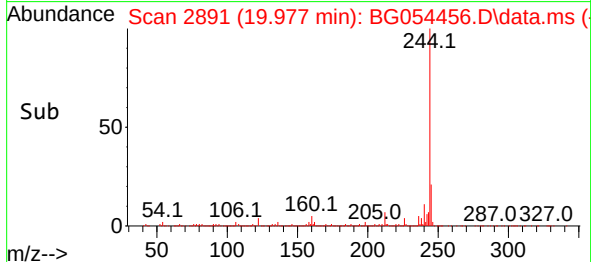
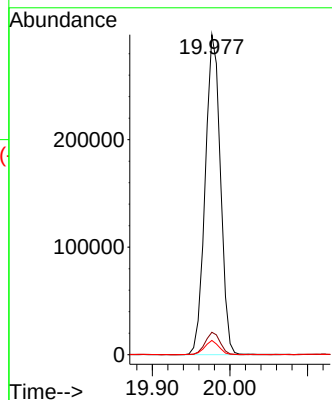
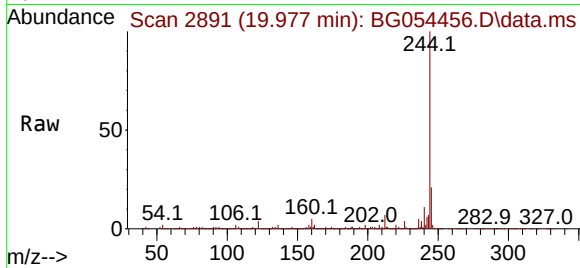




#79
 Terphenyl-d14
 Concen: 59.363 ng
 RT: 19.977 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054456.D
 Acq: 29 Jul 2022 19:39

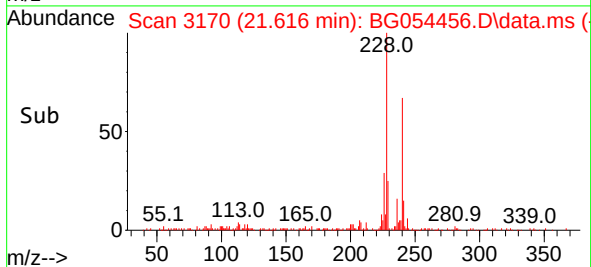
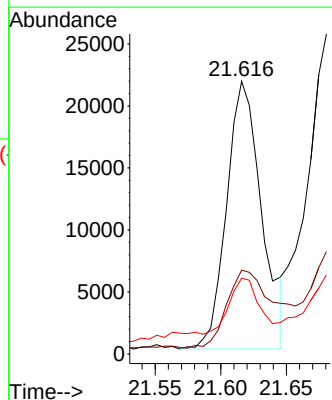
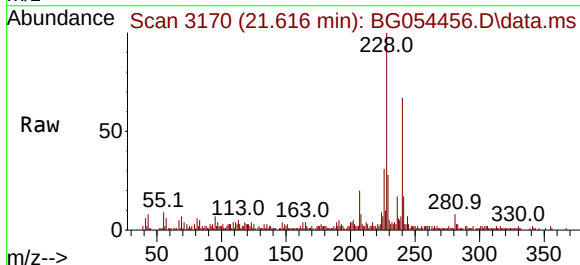
Instrument :
 BNA_G
 ClientSampleId :
 RVE-39D

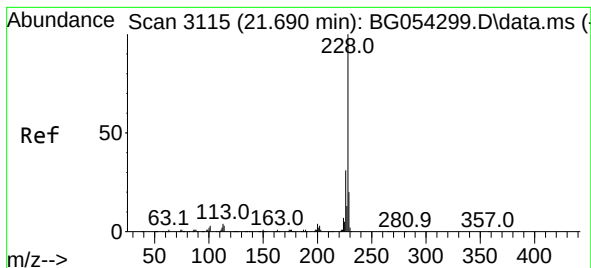
Tgt Ion:244 Resp: 405328
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.655 ng
 RT: 21.616 min Scan# 3170
 Delta R.T. 0.002 min
 Lab File: BG054456.D
 Acq: 29 Jul 2022 19:39

Tgt Ion:228 Resp: 40030
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.6 32.4
 229 27.8 16.2 24.2#





#83

Chrysene

Concen: 6.021 ng

RT: 21.680 min Scan# 3115

Delta R.T. -0.004 min

Lab File: BG054456.D

Acq: 29 Jul 2022 19:39

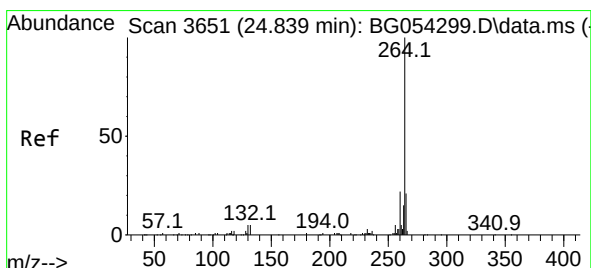
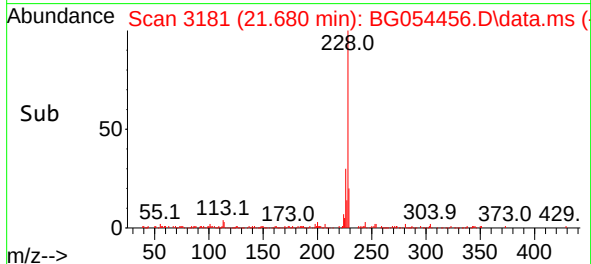
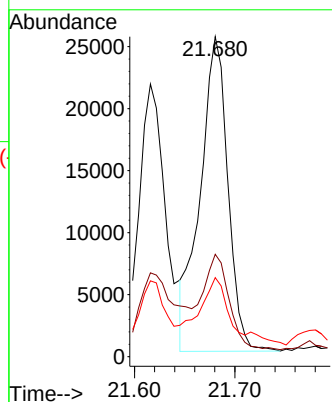
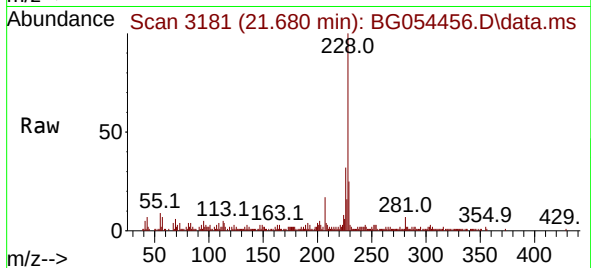
Instrument :

BNA_G

ClientSampleId :

RVE-39D

Tgt Ion:228	Resp:	48914
Ion Ratio	Lower	Upper
228	100	
226	32.0	23.4 35.2
229	24.7	15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

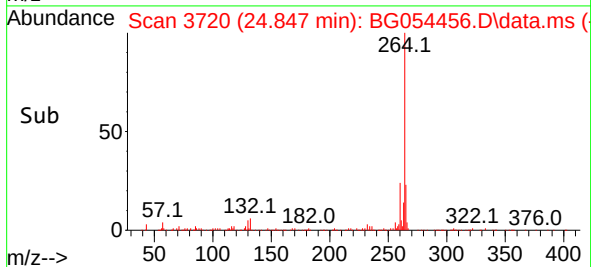
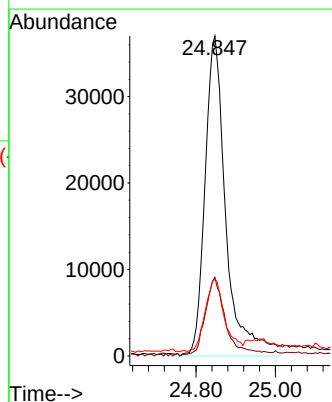
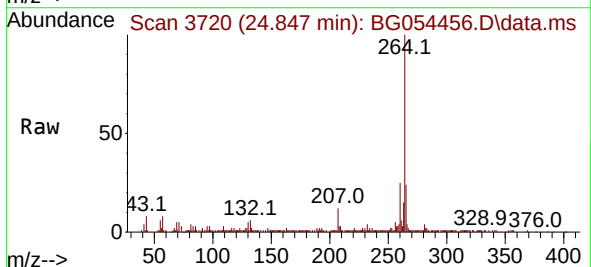
RT: 24.847 min Scan# 3720

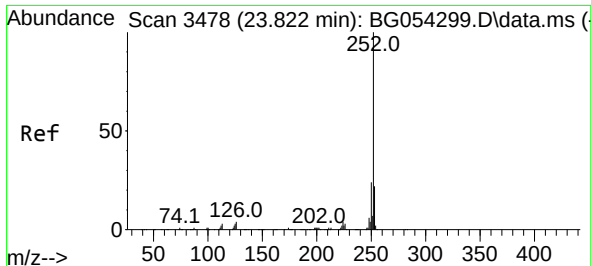
Delta R.T. 0.014 min

Lab File: BG054456.D

Acq: 29 Jul 2022 19:39

Tgt Ion:264	Resp:	135831
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.0 28.6
265	23.9	17.4 26.2

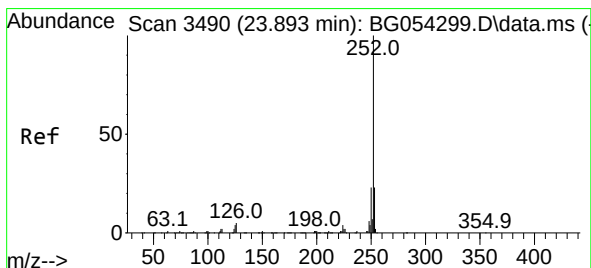
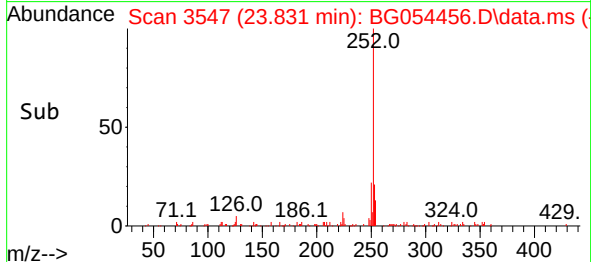
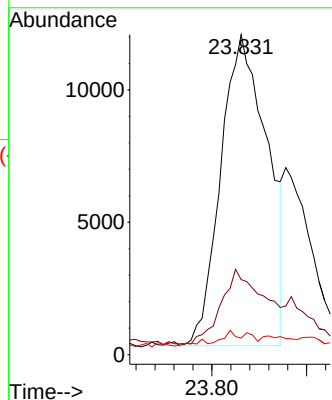
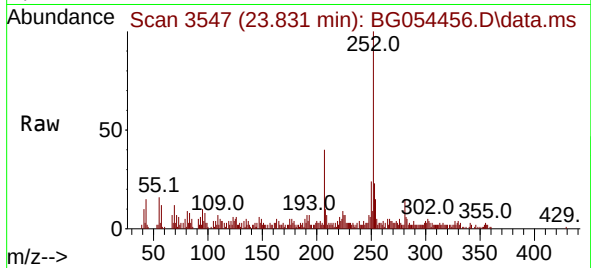




#88
Benzo(b)fluoranthene
Concen: 4.978 ng
RT: 23.831 min Scan# 3547
Delta R.T. 0.008 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

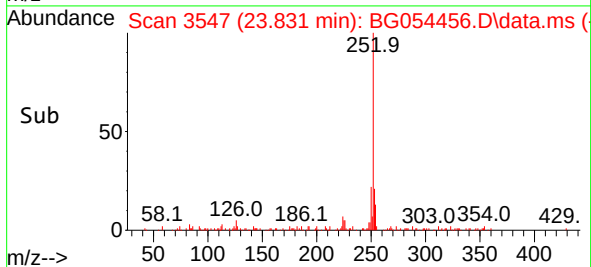
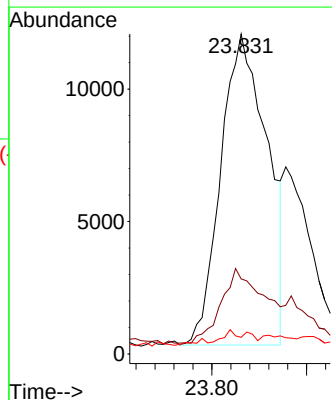
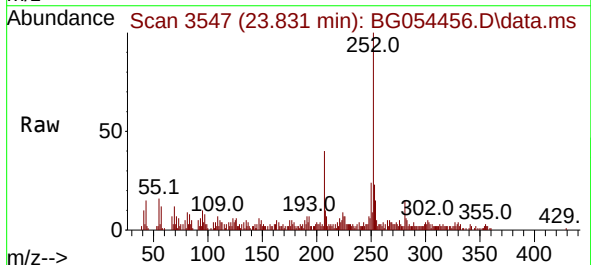
Instrument :
BNA_G
ClientSampleId :
RVE-39D

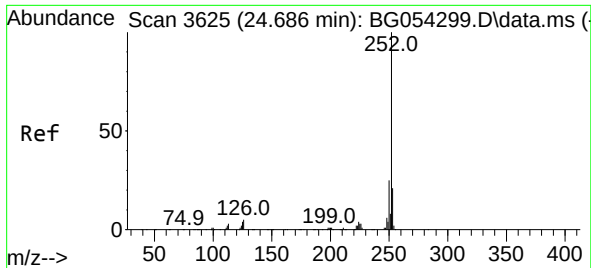
Tgt Ion:252 Resp: 39988
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 5.2 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 5.002 ng
RT: 23.831 min Scan# 3547
Delta R.T. -0.056 min
Lab File: BG054456.D
Acq: 29 Jul 2022 19:39

Tgt Ion:252 Resp: 39988
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 5.2 4.8 7.2





#90
 Benzo(a)pyrene
 Concen: 4.639 ng
 RT: 24.695 min Scan# 30
 Delta R.T. 0.008 min
 Lab File: BG054456.D
 Acq: 29 Jul 2022 19:39

Instrument :
 BNA_G
 ClientSampleId :
 RVE-39D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	6.8	4.3	6.5

