

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054554.D
 Acq On : 8 Aug 2022 15:26
 Operator : CG/JU
 Sample : N4023-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6

Quant Time: Aug 08 15:58:04 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)

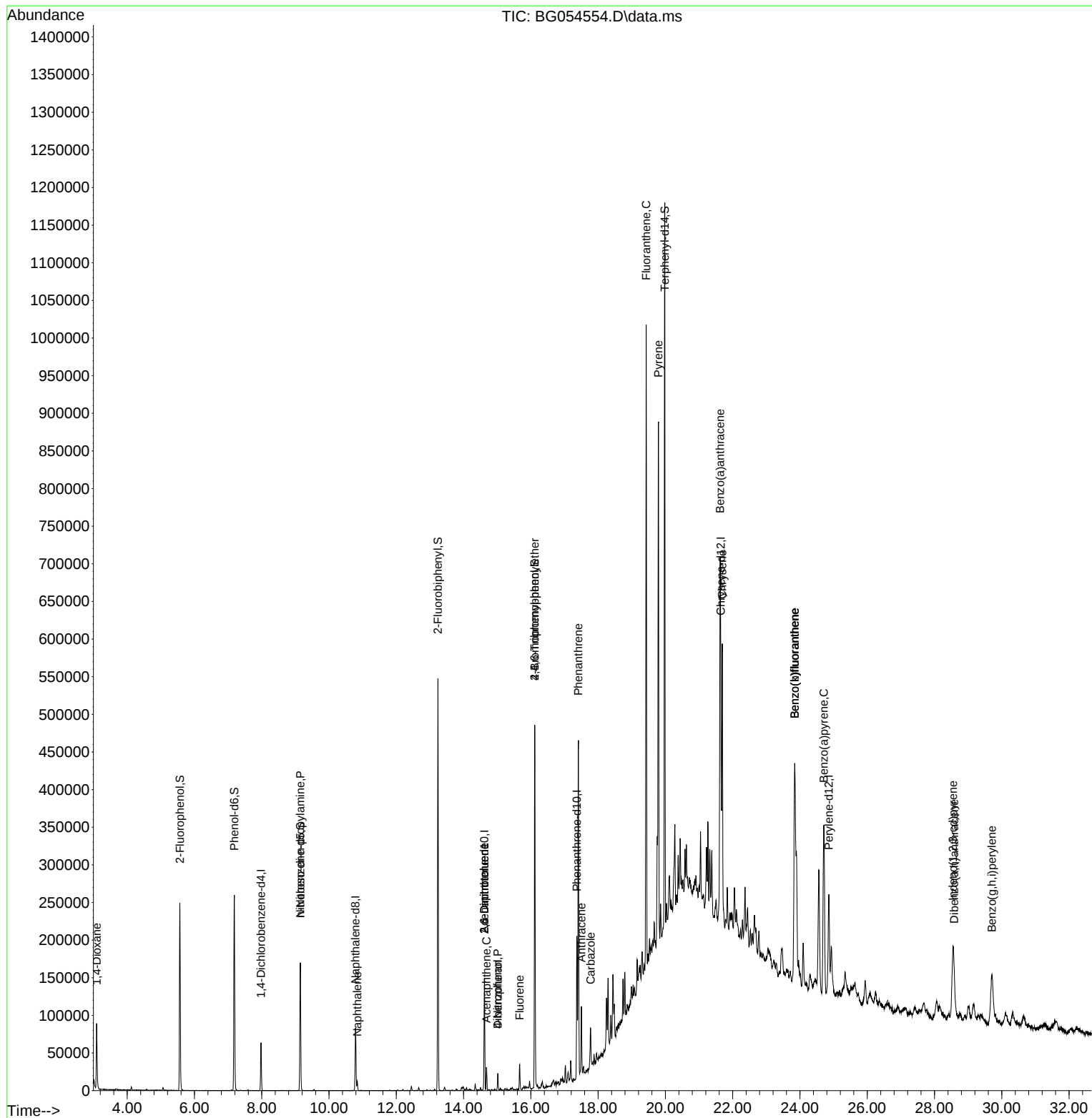
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	20129	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	78243	20.000	ng	# 0.00
39) Acenaphthene-d10	14.617	164	56884	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	133958	20.000	ng	# 0.00
76) Chrysene-d12	21.644	240	144313	20.000	ng	# 0.01
86) Perylene-d12	24.858	264	157623	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	115202	119.493	ng	0.00
7) Phenol-d6	7.185	99	154428	116.899	ng	0.00
23) Nitrobenzene-d5	9.147	82	103497	72.034	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	126179	105.646	ng	0.00
45) 2-Fluorobiphenyl	13.236	172	306830	76.092	ng	0.00
79) Terphenyl-d14	19.981	244	552860	75.999	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.095	88	1073	2.798	ng	# 1
9) Benzaldehyde	7.126	77	53	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.147	70	15058	17.070	ng	# 77
31) Naphthalene	10.839	128	10888	2.772	ng	96
51) 2,6-Dinitrotoluene	14.617	165	8530	8.753	ng	# 16
52) Acenaphthene	14.682	154	12234	4.175	ng	93
55) Dibenzofuran	15.017	168	15201	2.915	ng	# 95
56) 4-Nitrophenol	15.017	139	5305	9.756	ng	# 1
57) 2,4-Dinitrotoluene	14.617	165	8530	6.105	ng	# 21
58) Fluorene	15.669	166	16345	3.813	ng	94
67) 4-Bromophenyl-phenylether	16.115	248	7608	4.044	ng	# 1
71) Phenanthrene	17.414	178	323560	48.502	ng	96
72) Anthracene	17.502	178	67700	10.342	ng	97
73) Carbazole	17.778	167	39959	7.414	ng	98
75) Fluoranthene	19.429	202	591904	65.089	ng	94
78) Pyrene	19.793	202	523846	63.262	ng	96
81) Benzo(a)anthracene	21.626	228	325581	35.540	ng	97
83) Chrysene	21.691	228	309529	35.763	ng	95
87) Indeno(1,2,3-cd)pyrene	28.548	276	202584	16.895	ng	96
88) Benzo(b)fluoranthene	23.842	252	421887	45.259	ng	# 97
89) Benzo(k)fluoranthene	23.842	252	421887	45.476	ng	# 98
90) Benzo(a)pyrene	24.705	252	301320	37.851	ng	99
91) Dibenzo(a,h)anthracene	28.583	278	51854	5.259	ng	94
92) Benzo(g,h,i)perylene	29.705	276	180396	18.537	ng	# 94

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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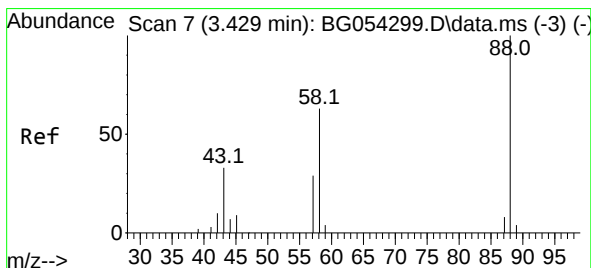
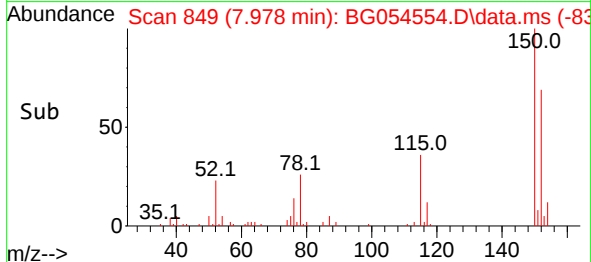
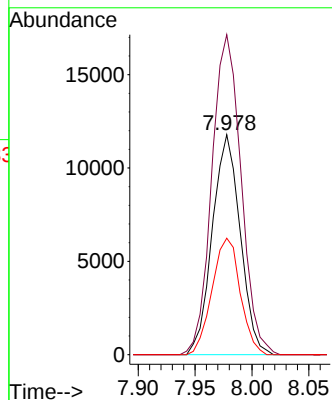
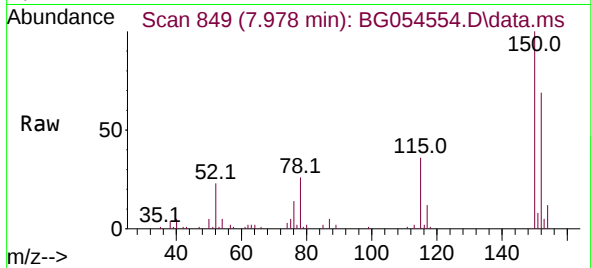




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.978 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

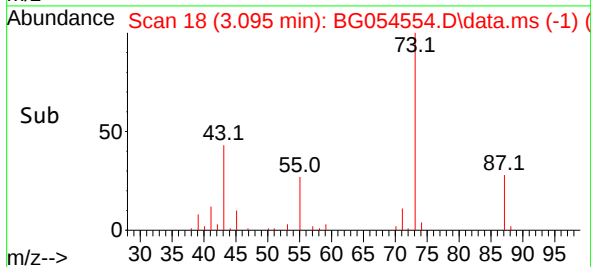
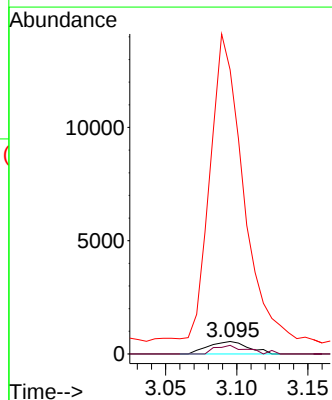
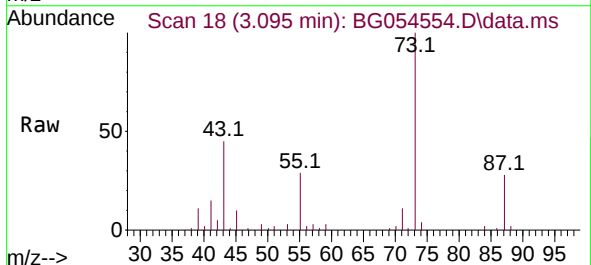
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6

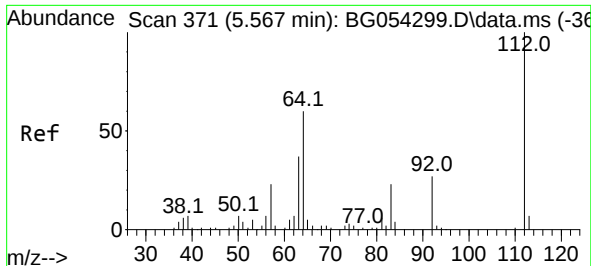
Tgt Ion:152 Resp: 20129
 Ion Ratio Lower Upper
 152 100
 150 145.5 131.6 197.4
 115 52.9 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.798 ng
 RT: 3.095 min Scan# 18
 Delta R.T. -0.300 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

Tgt Ion: 88 Resp: 1073
 Ion Ratio Lower Upper
 88 100
 58 56.0 59.2 88.8#
 43 2110.6 24.3 36.5#

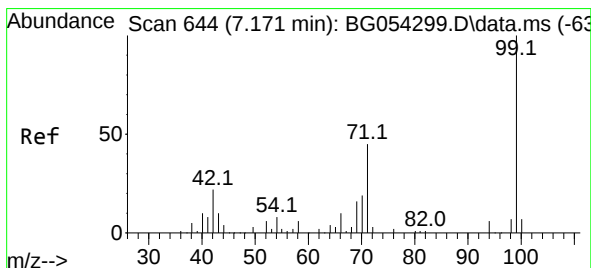
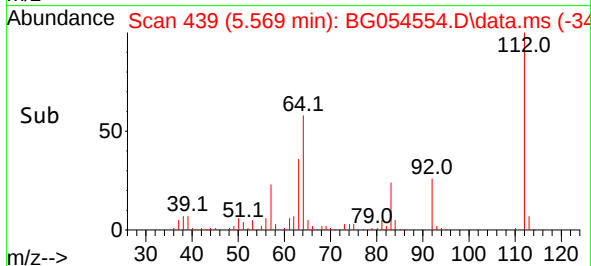
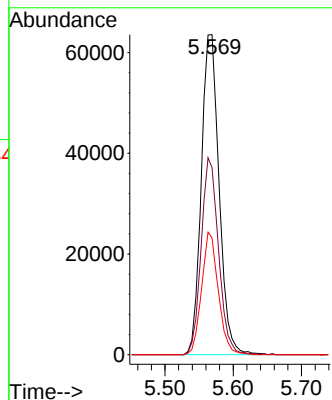
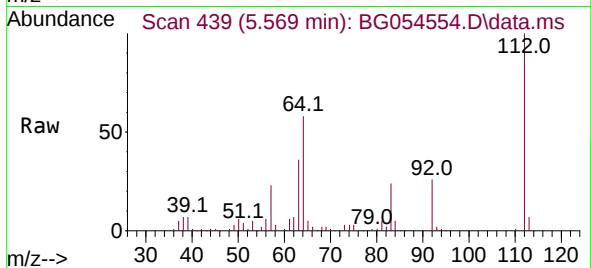




#5
2-Fluorophenol
Concen: 119.493 ng
RT: 5.569 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

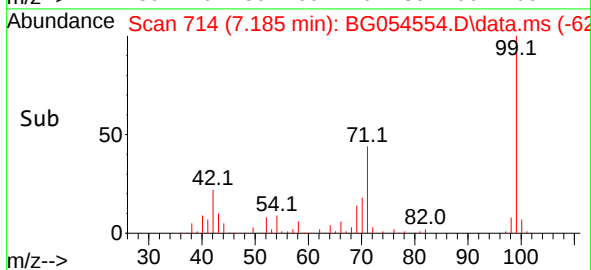
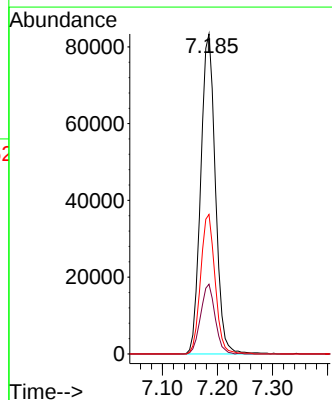
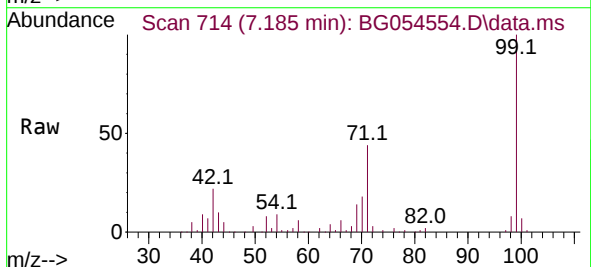
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Tgt Ion:112 Resp: 115202
Ion Ratio Lower Upper
112 100
64 58.4 55.1 82.7
63 36.5 30.4 45.6



#7
Phenol-d6
Concen: 116.899 ng
RT: 7.185 min Scan# 714
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion: 99 Resp: 154428
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.6 33.8 50.8

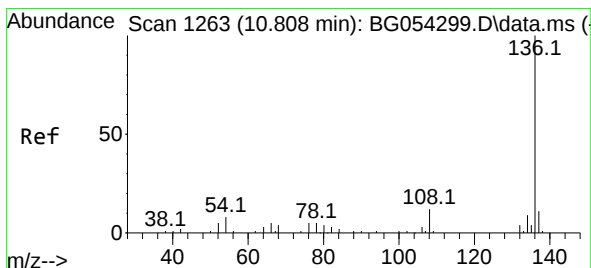
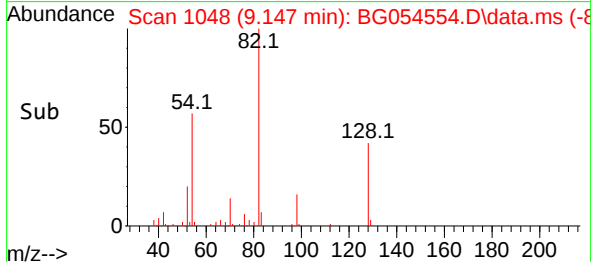
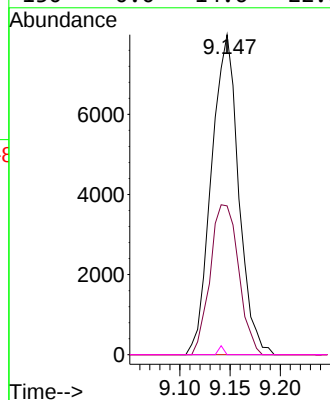
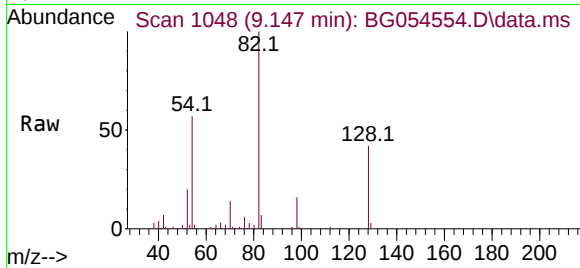




#19
n-Nitroso-di-n-propylamine
Concen: 17.070 ng
RT: 9.147 min Scan# 1048
Delta R.T. 0.364 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

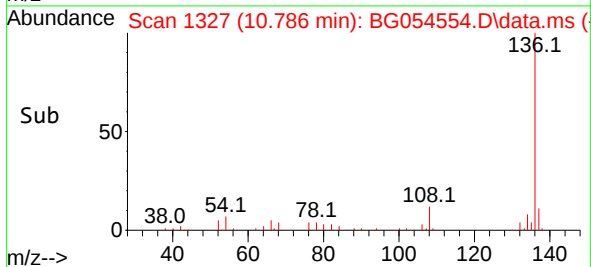
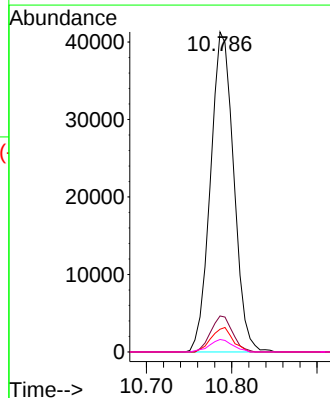
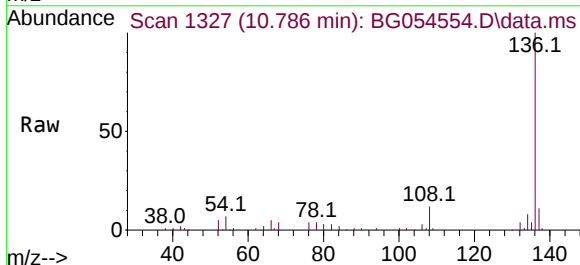
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Tgt Ion:	70	Resp:	15058
Ion	Ratio	Lower	Upper
70	100		
42	46.5	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: 10.786 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:	136	Resp:	78243
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.1	7.4	11.2#
68	3.9	4.9	7.3#

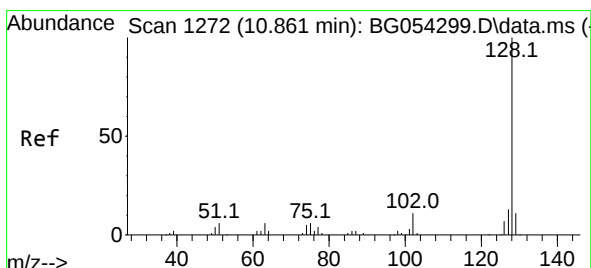
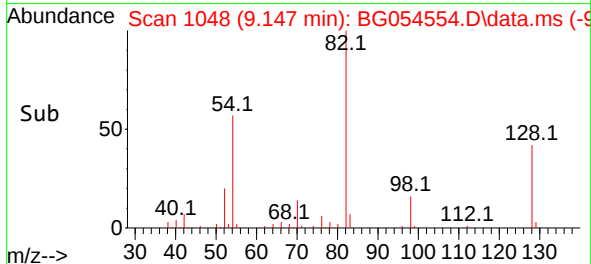
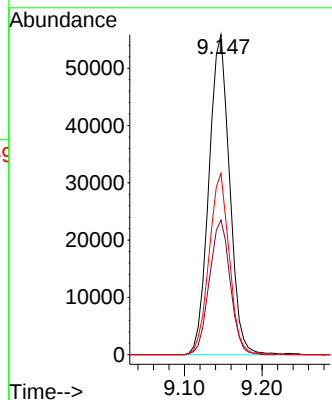
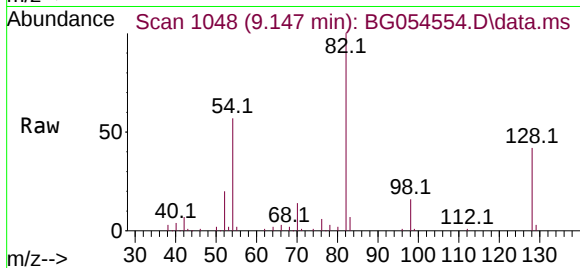




#23
Nitrobenzene-d5
Concen: 72.034 ng
RT: 9.147 min Scan# 1048
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

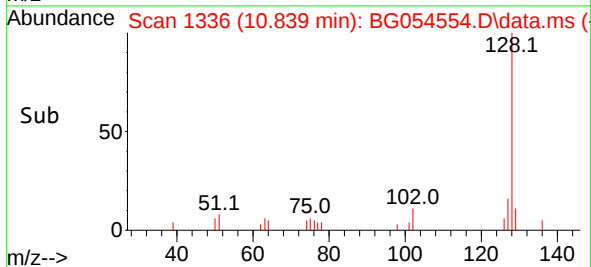
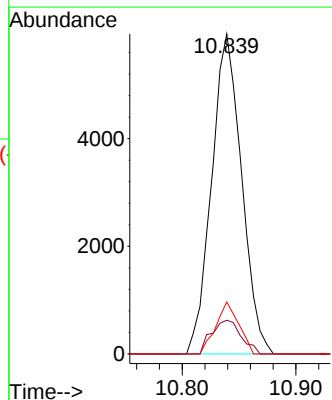
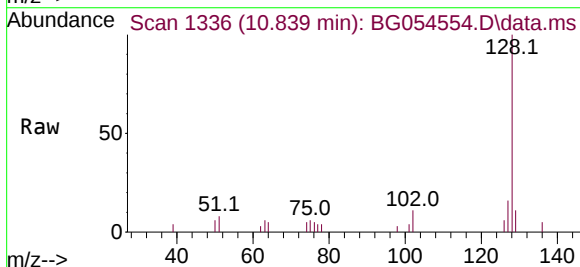
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

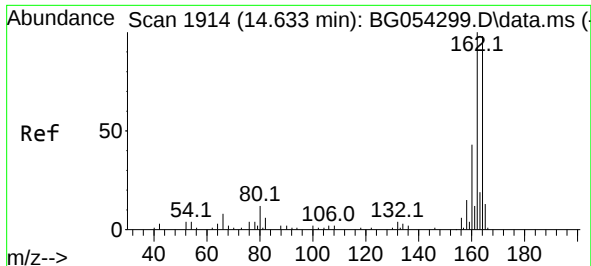
Tgt Ion: 82 Resp: 103497
Ion Ratio Lower Upper
82 100
128 42.0 27.9 41.9#
54 56.6 41.2 61.8



#31
Naphthalene
Concen: 2.772 ng
RT: 10.839 min Scan# 1336
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion: 128 Resp: 10888
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 16.3 11.1 16.7

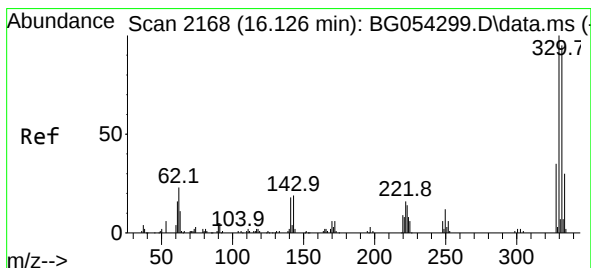
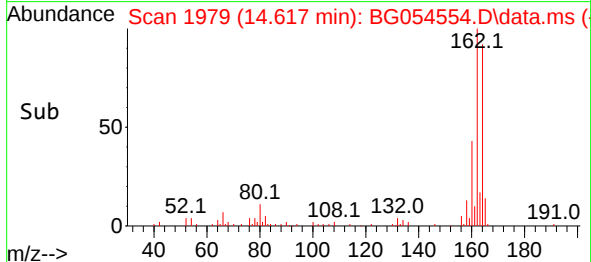
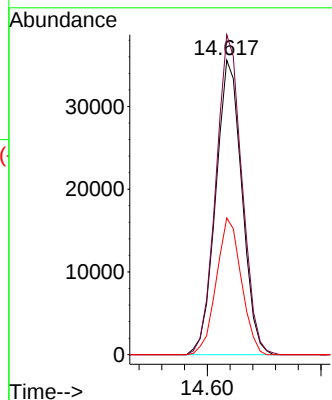
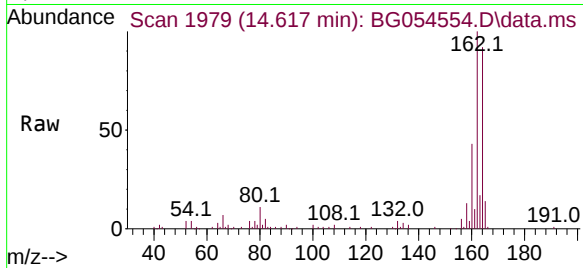




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.617 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

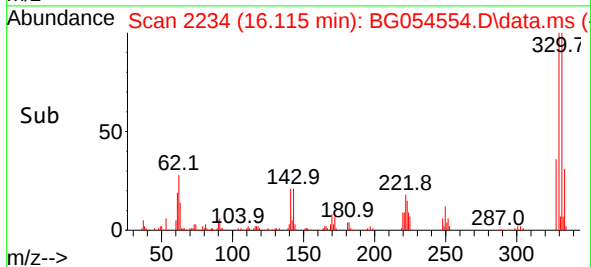
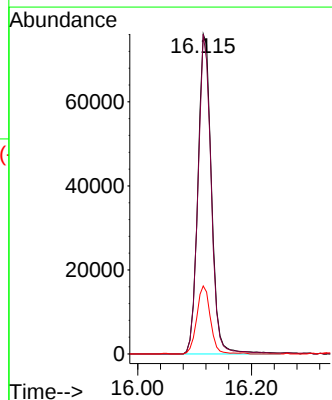
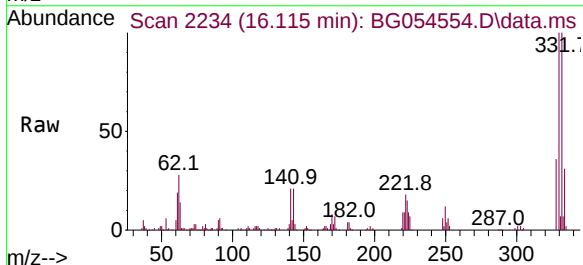
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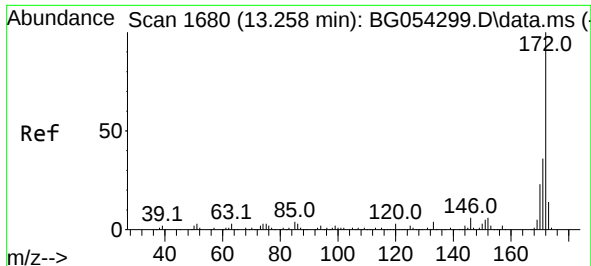
Tgt Ion:164 Resp: 56884
Ion Ratio Lower Upper
164 100
162 108.6 82.3 123.5
160 46.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 105.646 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:330 Resp: 126179
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 21.5 27.1 40.7#

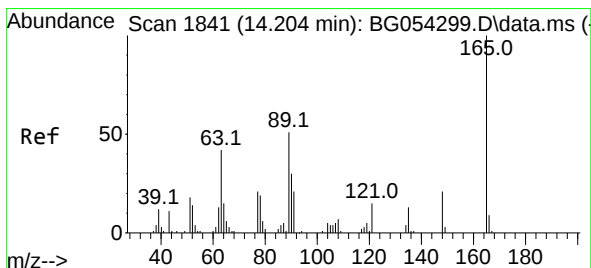
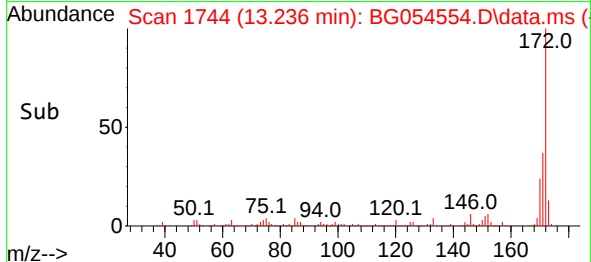
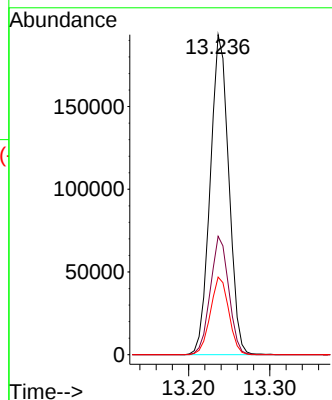
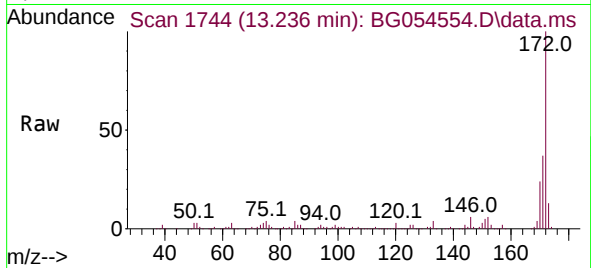




#45
2-Fluorobiphenyl
Concen: 76.092 ng
RT: 13.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

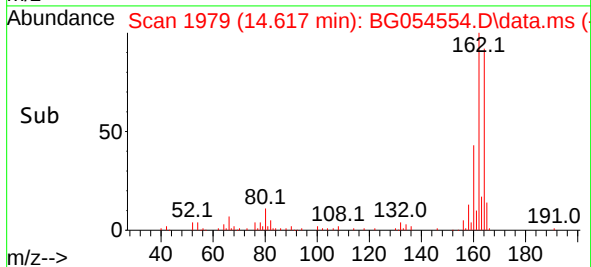
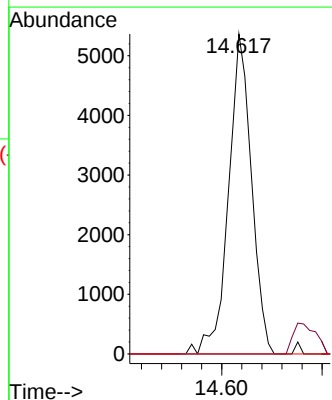
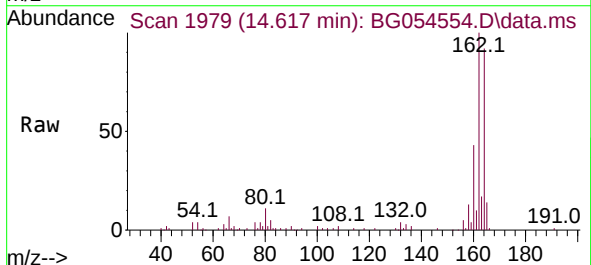
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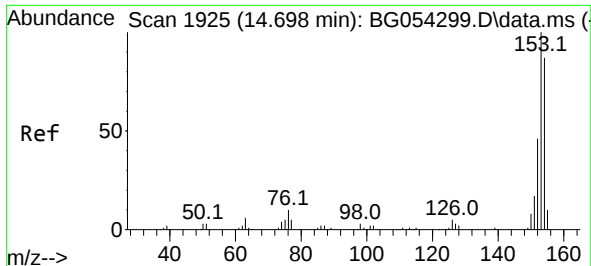
Tgt Ion:172 Resp: 306830
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.753 ng
RT: 14.617 min Scan# 1979
Delta R.T. 0.423 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:165 Resp: 8530
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

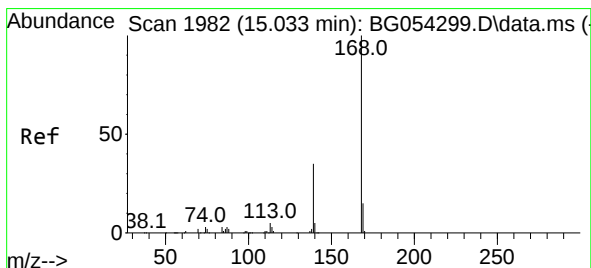
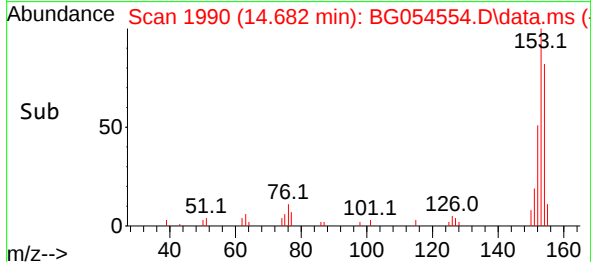
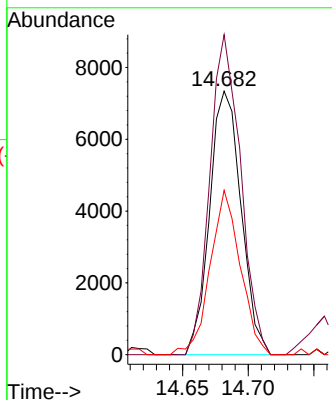
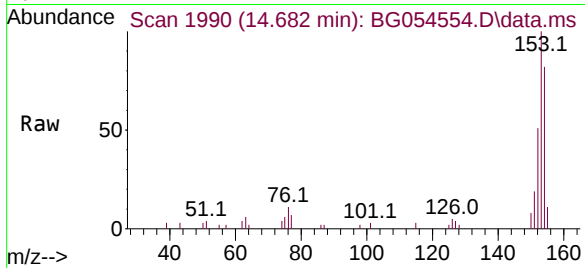




#52
Acenaphthene
Concen: 4.175 ng
RT: 14.682 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

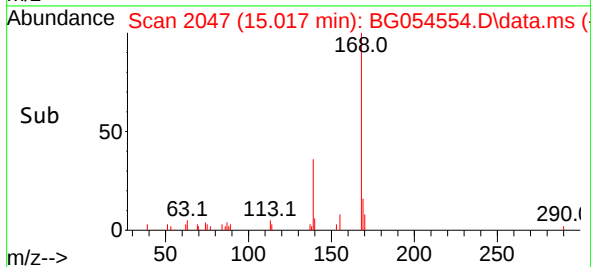
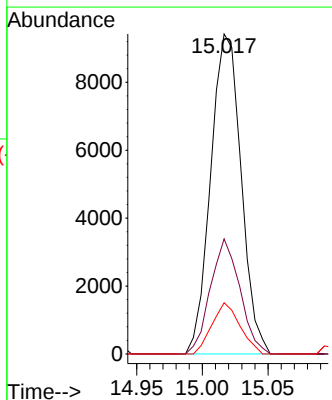
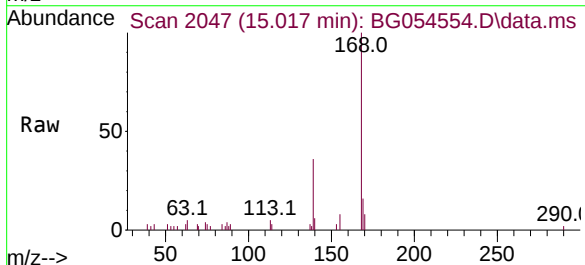
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TP2-1-6

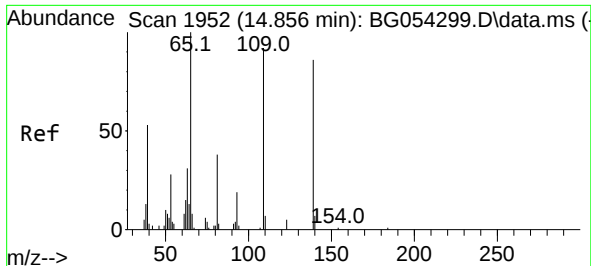
Tgt Ion:154 Resp: 12234
Ion Ratio Lower Upper
154 100
153 121.4 92.7 139.1
152 62.3 42.6 64.0



#55
Dibenzofuran
Concen: 2.915 ng
RT: 15.017 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:168 Resp: 15201
Ion Ratio Lower Upper
168 100
139 35.9 30.5 45.7
169 16.0 10.3 15.5#

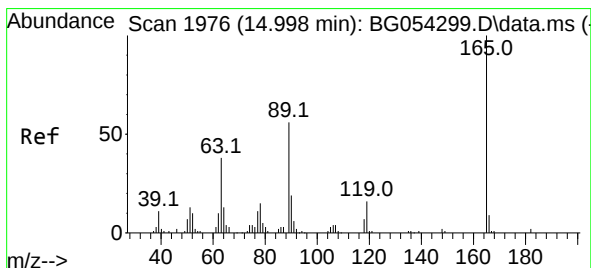
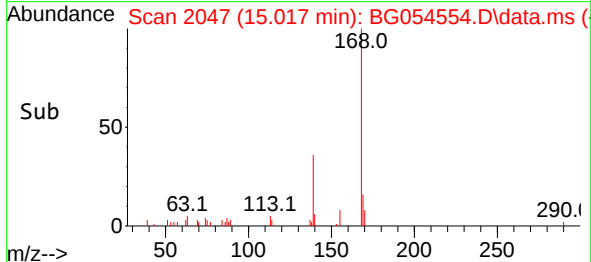
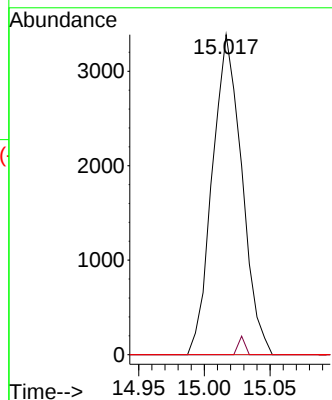
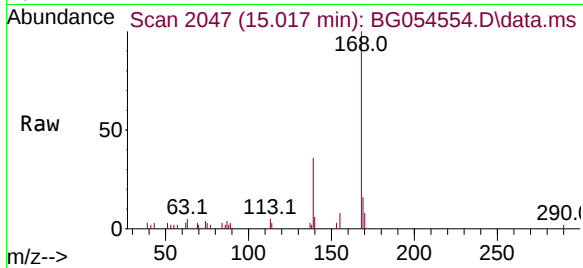




#56
4-Nitrophenol
Concen: 9.756 ng
RT: 15.017 min Scan# 20
Delta R.T. 0.111 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

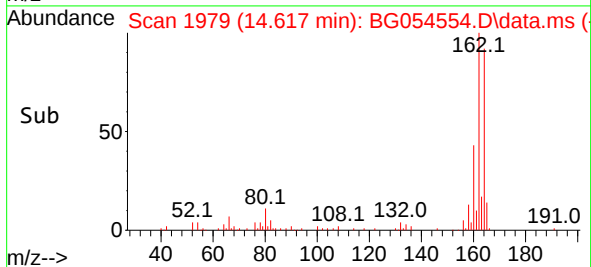
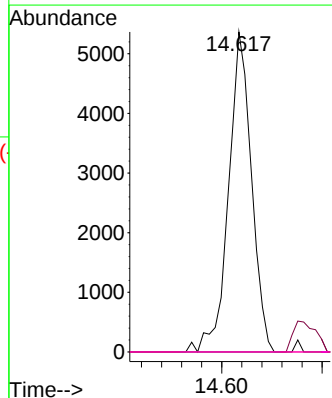
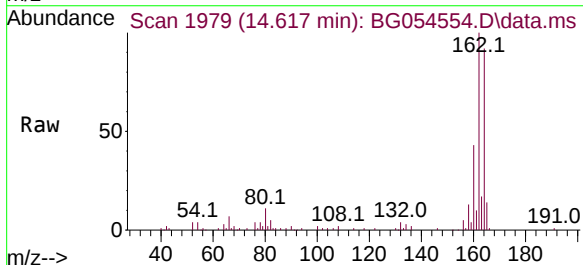
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

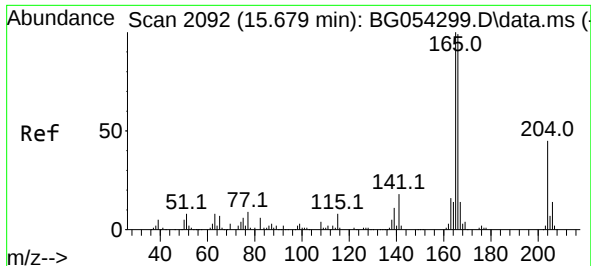
Tgt Ion:139 Resp: 5305
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 6.105 ng
RT: 14.617 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:165 Resp: 8530
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#

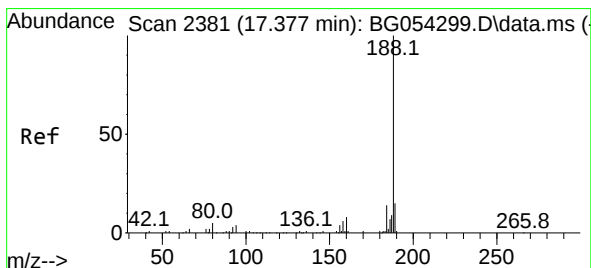
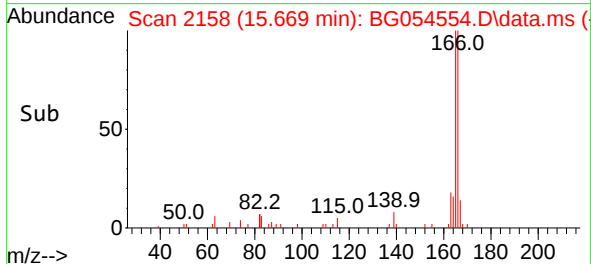
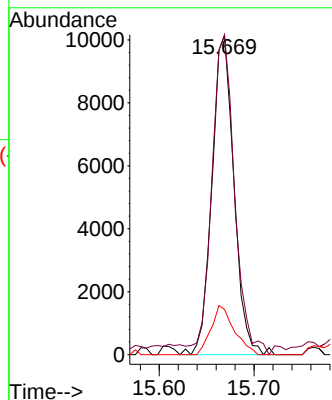
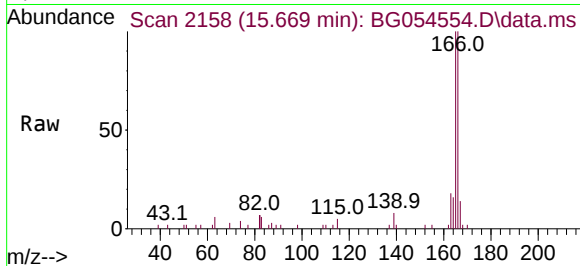




#58
 Fluorene
 Concen: 3.813 ng
 RT: 15.669 min Scan# 2115
 Delta R.T. 0.005 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

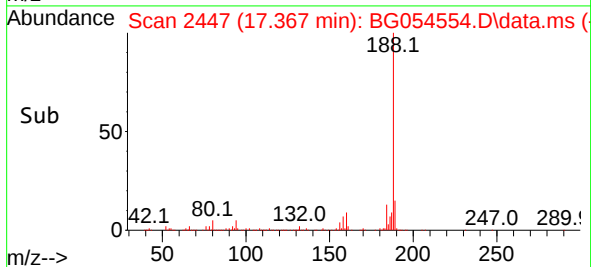
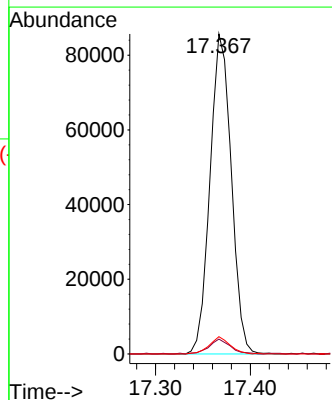
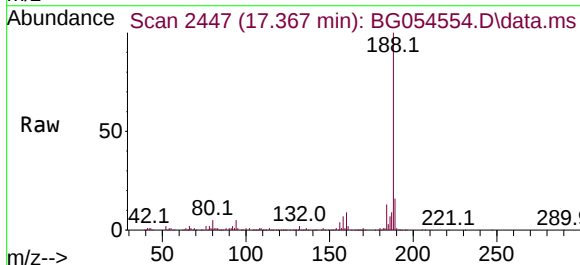
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6

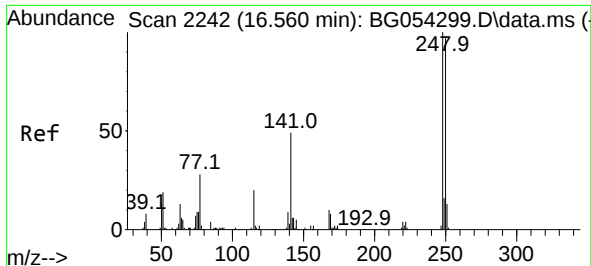
Tgt Ion:166 Resp: 16345
 Ion Ratio Lower Upper
 166 100
 165 100.2 75.0 112.6
 167 14.2 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.367 min Scan# 2447
 Delta R.T. 0.005 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

Tgt Ion:188 Resp: 133958
 Ion Ratio Lower Upper
 188 100
 94 4.7 5.4 8.0#
 80 5.4 6.8 10.2#

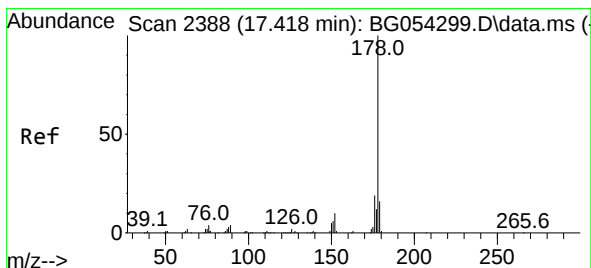
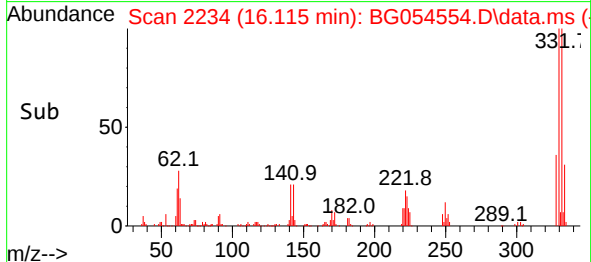
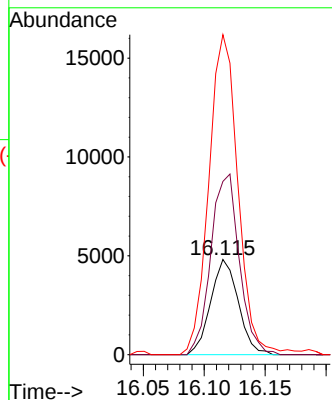
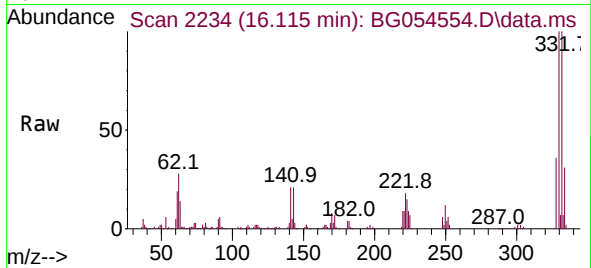




#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 16.115 min Scan# 21
Delta R.T. -0.429 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

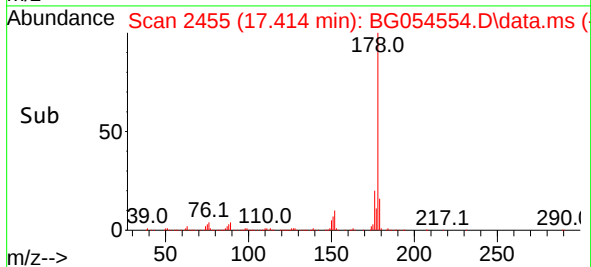
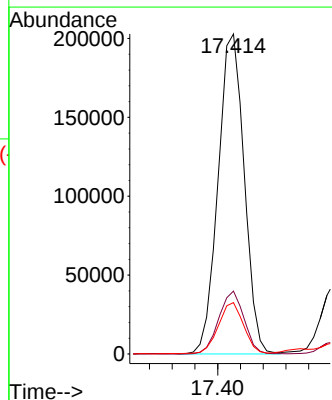
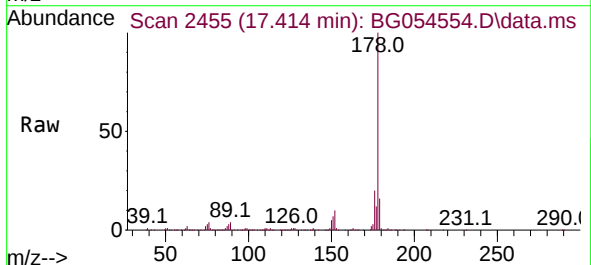
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

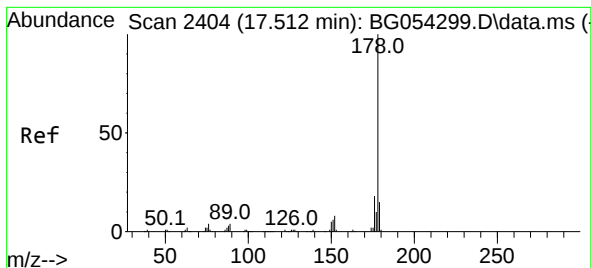
Tgt Ion:248 Resp: 7608
Ion Ratio Lower Upper
248 100
250 182.2 75.2 112.8#
141 336.4 50.0 75.0#



#71
Phenanthrene
Concen: 48.502 ng
RT: 17.414 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:178 Resp: 323560
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.1 12.1 18.1





#72

Anthracene

Concen: 10.342 ng

RT: 17.502 min Scan# 24

Delta R.T. 0.005 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

TP2-1-6

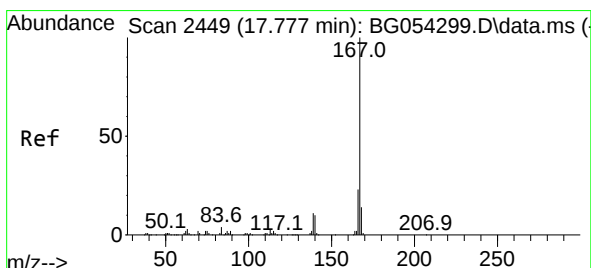
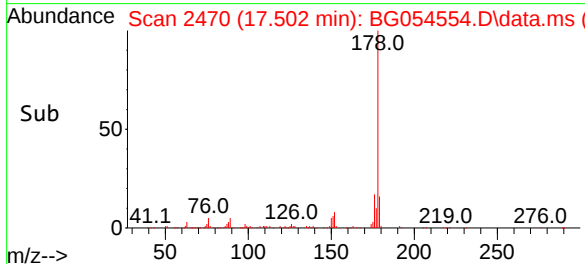
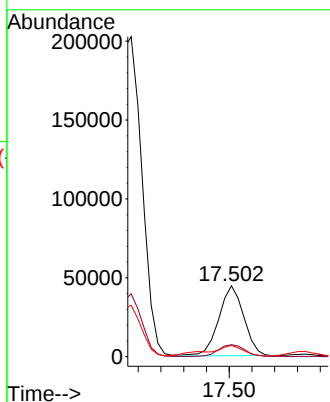
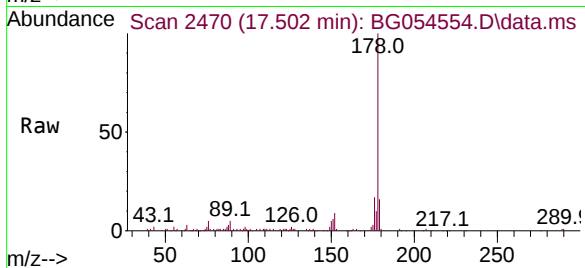
Tgt Ion:178 Resp: 67700

Ion Ratio Lower Upper

178 100

176 16.9 15.2 22.8

179 15.9 13.0 19.4



#73

Carbazole

Concen: 7.414 ng

RT: 17.778 min Scan# 2517

Delta R.T. 0.005 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

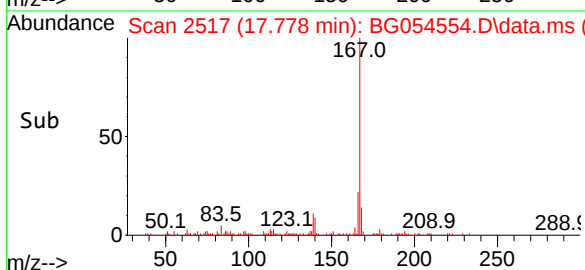
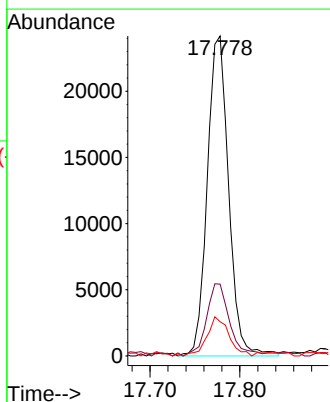
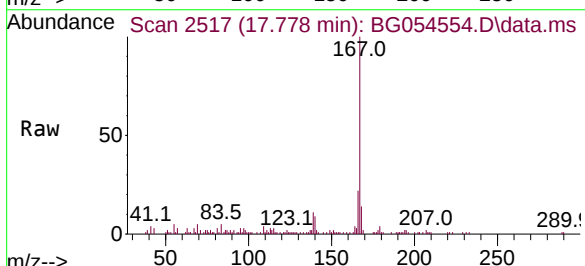
Tgt Ion:167 Resp: 39959

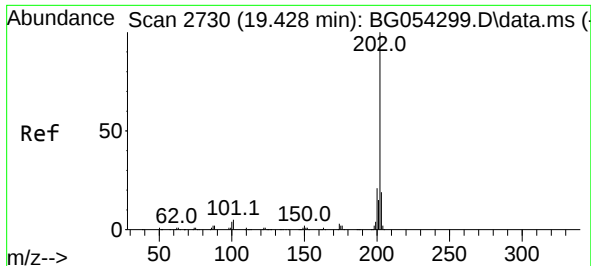
Ion Ratio Lower Upper

167 100

166 22.4 18.2 27.2

139 10.7 10.1 15.1

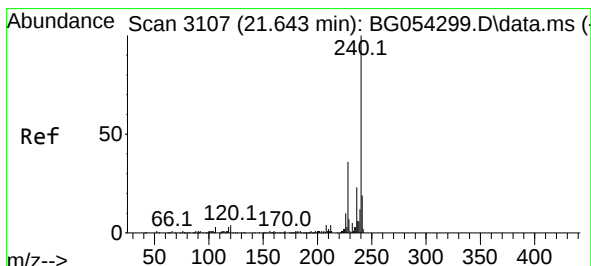
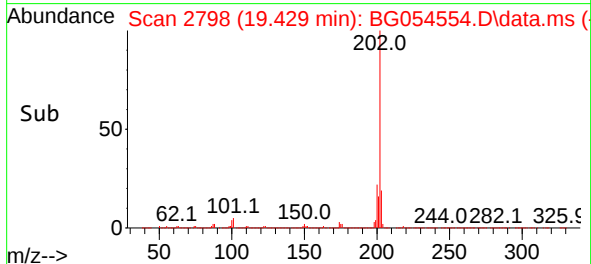
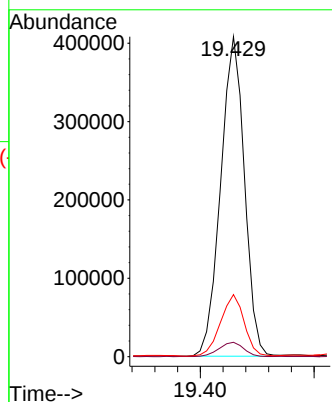
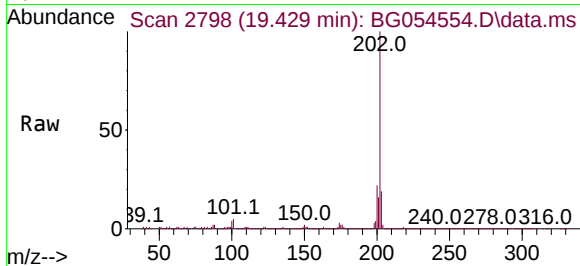




#75
Fluoranthene
Concen: 65.089 ng
RT: 19.429 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

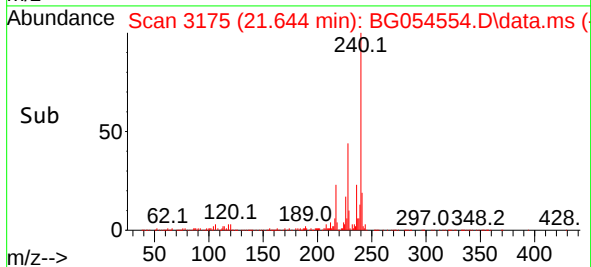
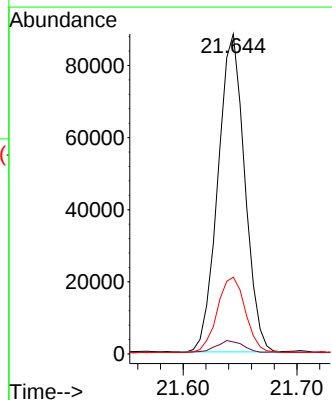
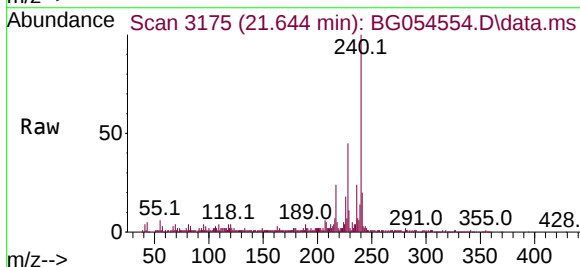
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

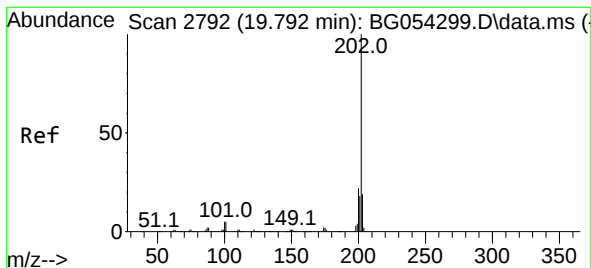
Tgt Ion:202 Resp: 591904
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.644 min Scan# 3175
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:240 Resp: 144313
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 24.0 20.2 30.4





#78

Pyrene

Concen: 63.262 ng

RT: 19.793 min Scan# 2

Delta R.T. 0.011 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

TP2-1-6

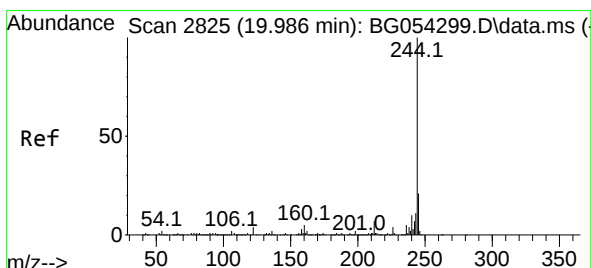
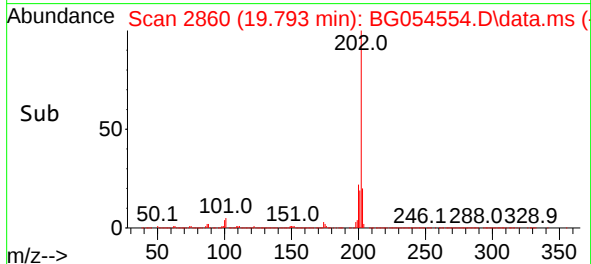
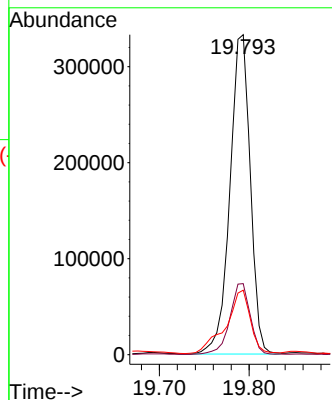
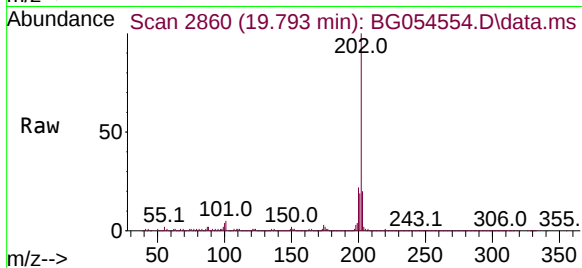
Tgt Ion:202 Resp: 523846

Ion Ratio Lower Upper

202 100

200 22.2 16.6 24.8

203 20.2 14.6 21.8



#79

Terphenyl-d14

Concen: 75.999 ng

RT: 19.981 min Scan# 2892

Delta R.T. 0.011 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

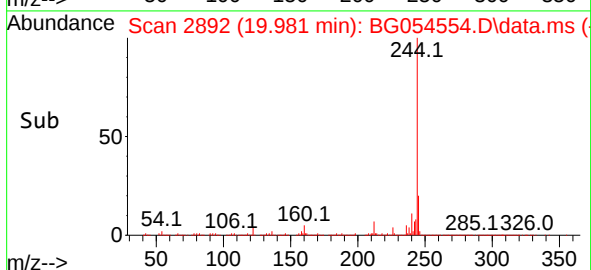
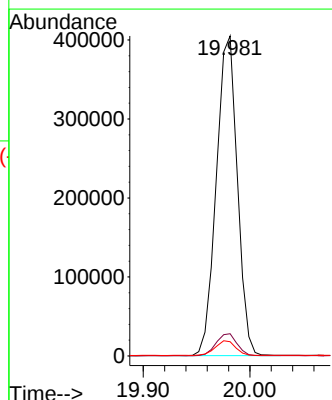
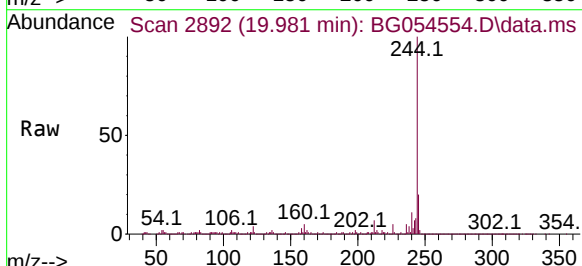
Tgt Ion:244 Resp: 552860

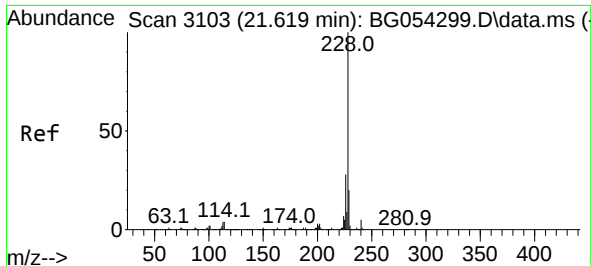
Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

122 4.5 5.0 7.4#

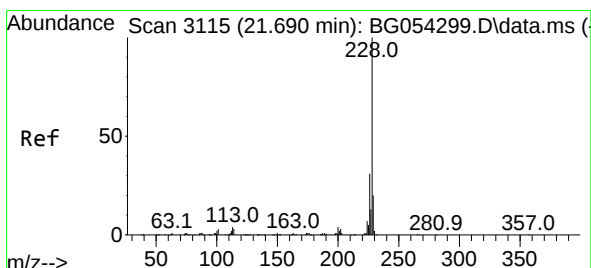
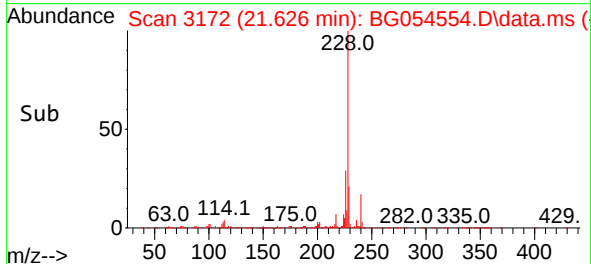
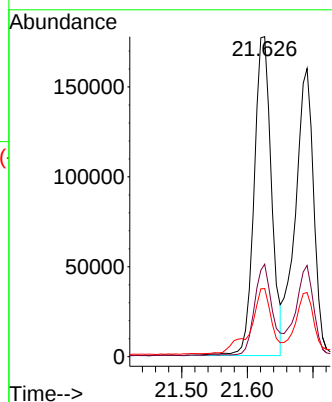
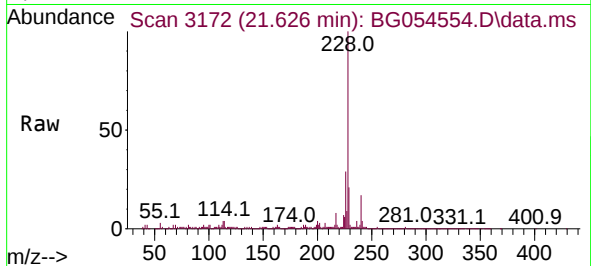




#81
Benzo(a)anthracene
Concen: 35.540 ng
RT: 21.626 min Scan# 3103
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

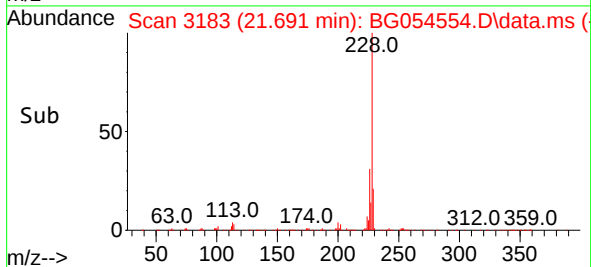
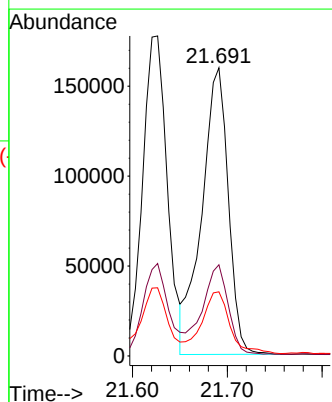
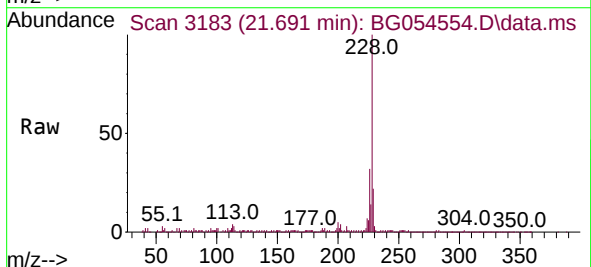
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

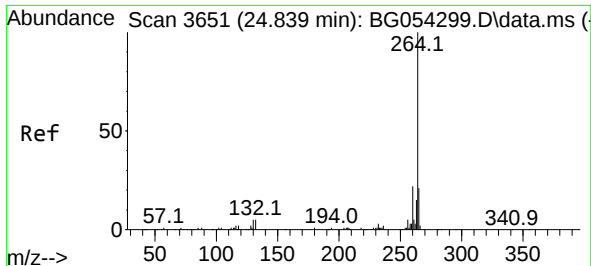
Tgt Ion:228 Resp: 325581
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 21.3 16.2 24.2



#83
Chrysene
Concen: 35.763 ng
RT: 21.691 min Scan# 3183
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:228 Resp: 309529
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 22.3 15.5 23.3



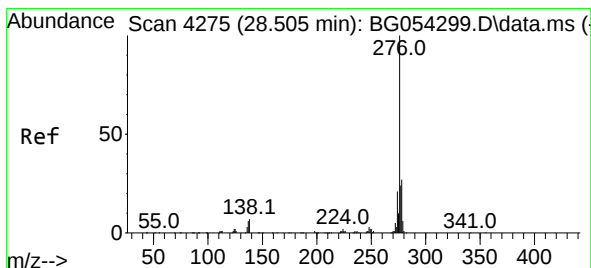
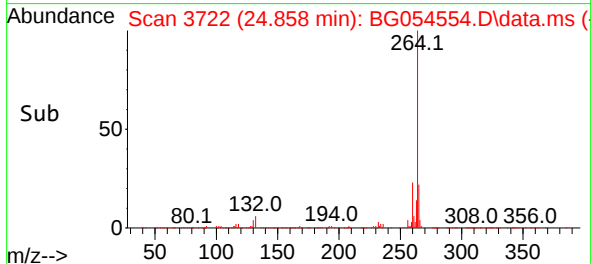
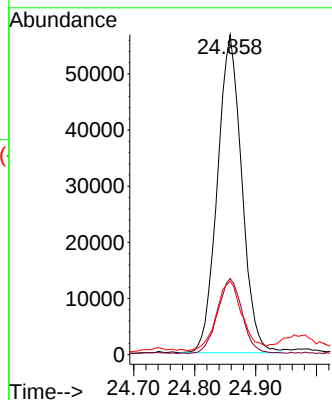
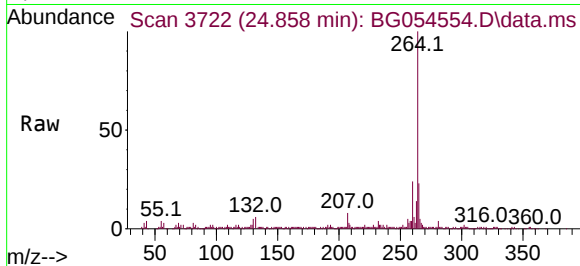


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.858 min Scan# 31
Delta R.T. 0.023 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Tgt Ion:264 Resp: 157623

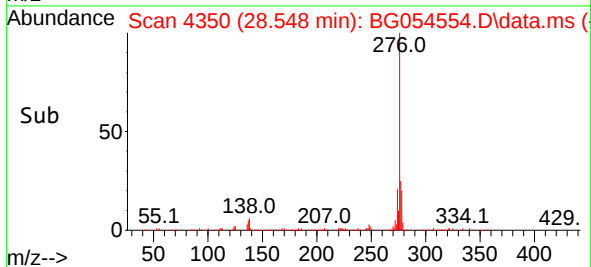
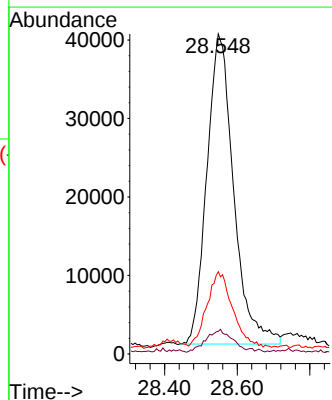
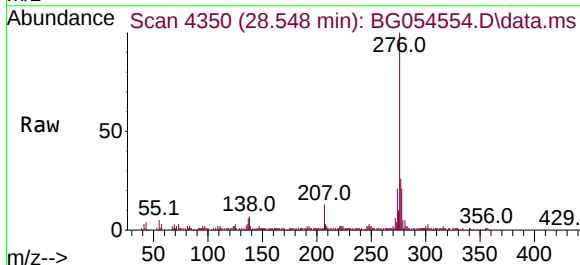
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.9	17.4	26.2

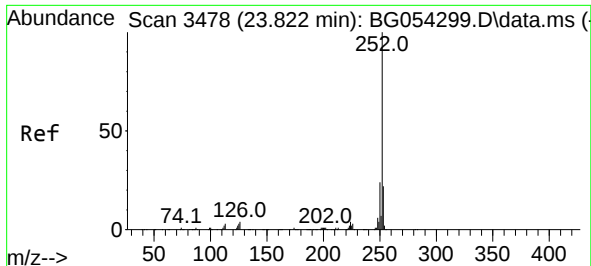


#87
Indeno(1,2,3-cd)pyrene
Concen: 16.895 ng
RT: 28.548 min Scan# 4350
Delta R.T. 0.017 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:276 Resp: 202584

Ion	Ratio	Lower	Upper
276	100		
138	7.1	5.0	7.4
277	23.1	20.3	30.5

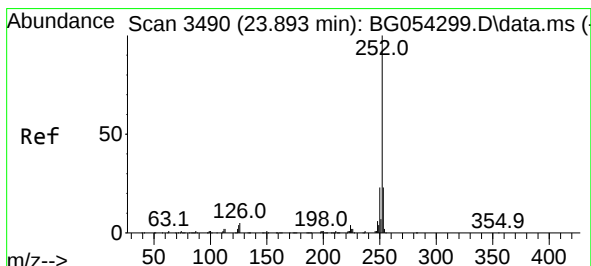
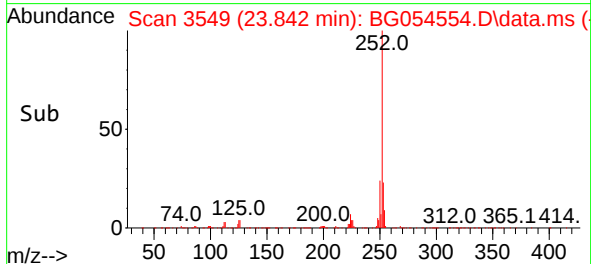
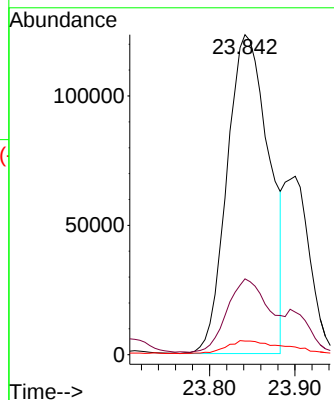
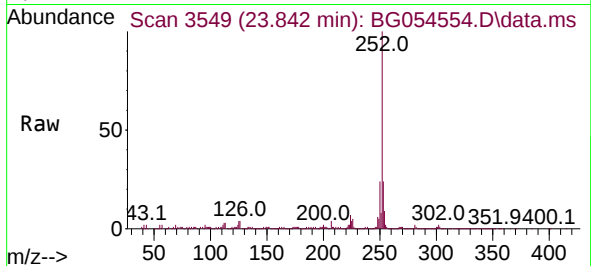




#88
Benzo(b)fluoranthene
Concen: 45.259 ng
RT: 23.842 min Scan# 3549
Delta R.T. 0.023 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

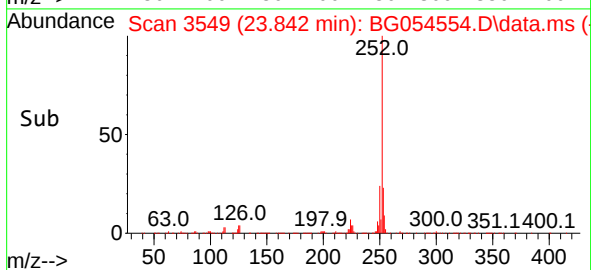
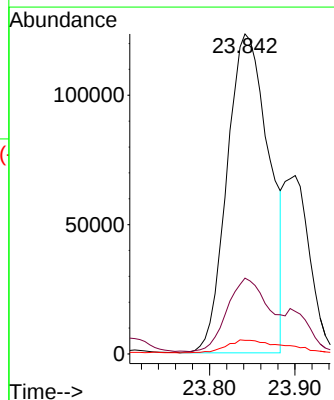
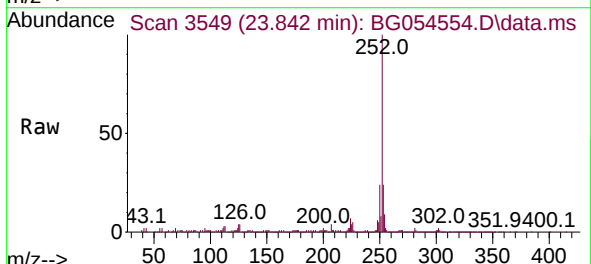
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

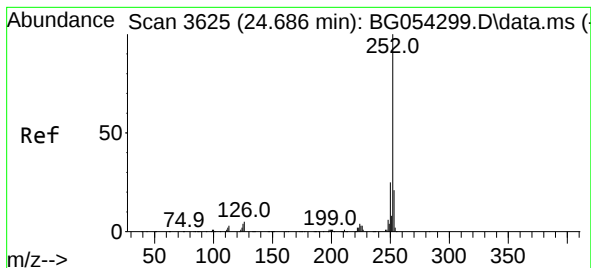
Tgt Ion:252 Resp: 421887
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 4.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 45.476 ng
RT: 23.842 min Scan# 3549
Delta R.T. -0.042 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:252 Resp: 421887
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 4.3 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 37.851 ng

RT: 24.705 min Scan# 3

Delta R.T. 0.017 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

TP2-1-6

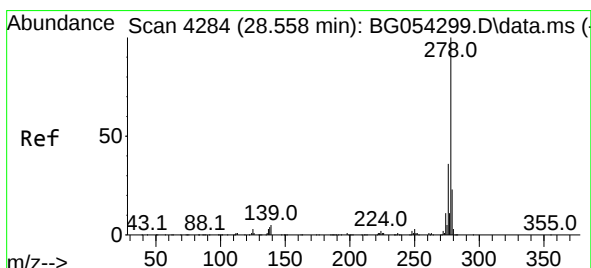
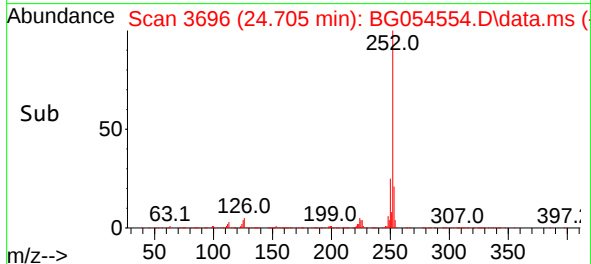
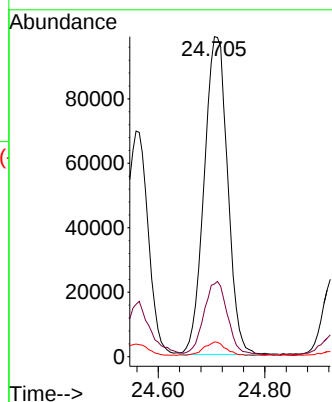
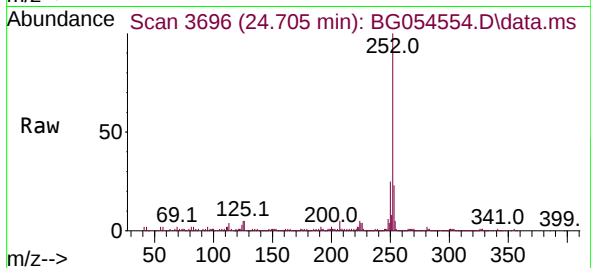
Tgt Ion:252 Resp: 301320

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 4.6 4.3 6.5



#91

Dibenzo(a,h)anthracene

Concen: 5.259 ng

RT: 28.583 min Scan# 4356

Delta R.T. 0.011 min

Lab File: BG054554.D

Acq: 8 Aug 2022 15:26

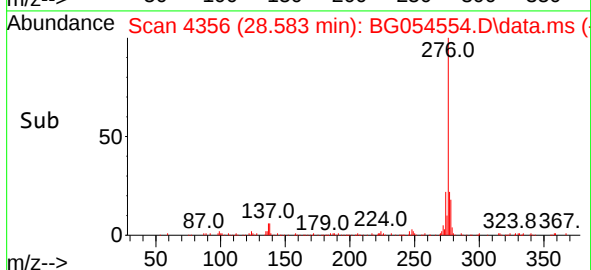
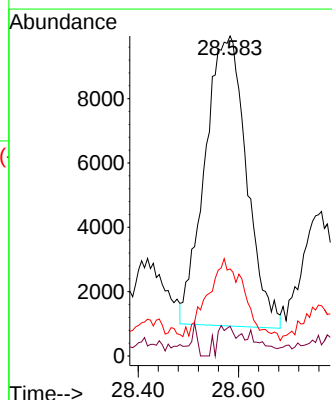
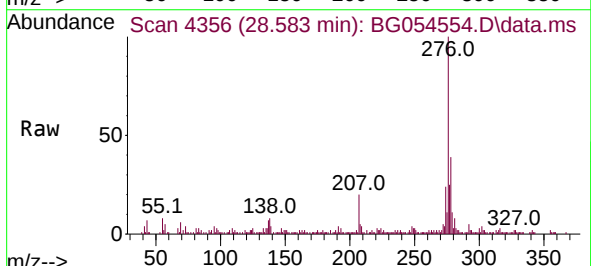
Tgt Ion:278 Resp: 51854

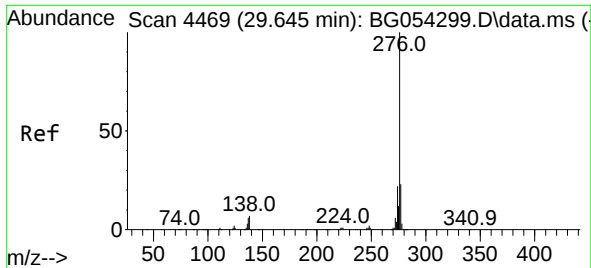
Ion Ratio Lower Upper

278 100

139 9.3 7.2 10.8

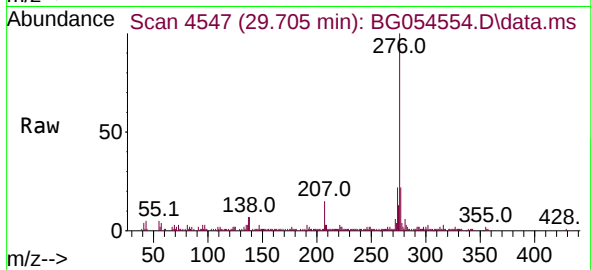
279 27.2 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 18.537 ng
 RT: 29.705 min Scan# 4
 Delta R.T. 0.029 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6



Tgt Ion:276 Resp: 180396
 Ion Ratio Lower Upper
 276 100
 277 22.5 17.3 25.9
 138 7.0 9.6 14.4#

