

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
 Data File : BG054335.D
 Acq On : 20 Jul 2022 20:13
 Operator : CG/JU
 Sample : N3776-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11966

Quant Time: Jul 21 01:25:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

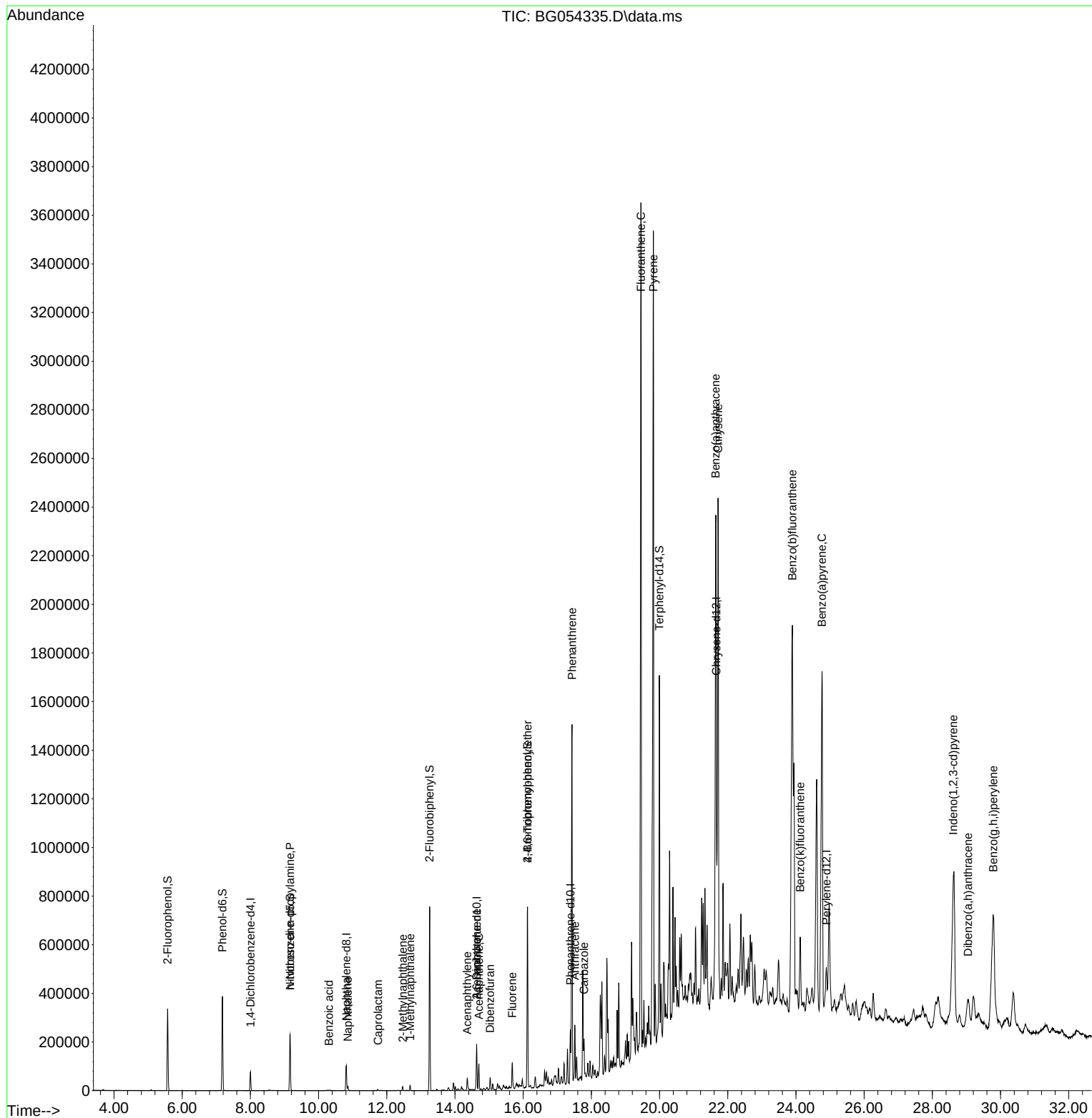
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	24399	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	94199	20.000	ng	# 0.00
39) Acenaphthene-d10	14.635	164	72311	20.000	ng	0.00
64) Phenanthrene-d10	17.384	188	160477	20.000	ng	# 0.00
76) Chrysene-d12	21.662	240	179197	20.000	ng	# 0.02
86) Perylene-d12	24.893	264	200461	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	153871	131.671	ng	0.00
7) Phenol-d6	7.179	99	211906	132.336	ng	0.00
23) Nitrobenzene-d5	9.165	82	143925	83.204	ng	0.00
42) 2,4,6-Tribromophenol	16.127	330	190576	125.522	ng	0.00
45) 2-Fluorobiphenyl	13.254	172	444252	86.668	ng	0.00
79) Terphenyl-d14	19.993	244	786073	87.022	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.173	77	303	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.165	70	20966	19.607	ng	# 83
31) Naphthalene	10.857	128	15890	3.360	ng	97
32) Benzoic acid	10.304	122	119	7.883	ng	# 1
35) Caprolactam	11.744	113	1330	2.973	ng	# 49
37) 2-Methylnaphthalene	12.467	142	9248	2.547	ng	86
38) 1-Methylnaphthalene	12.684	142	11128	3.145	ng	87
49) Acenaphthylene	14.358	152	45430	7.385	ng	97
51) 2,6-Dinitrotoluene	14.635	165	10991	8.872	ng	# 16
52) Acenaphthene	14.699	154	41532	11.149	ng	97
55) Dibenzofuran	15.028	168	23659	3.569	ng	# 92
58) Fluorene	15.680	166	50397	9.248	ng	93
67) 4-Bromophenyl-phenylether	16.127	248	11389	5.053	ng	# 1
71) Phenanthrene	17.431	178	1053033	131.766	ng	95
72) Anthracene	17.514	178	169624	21.629	ng	98
73) Carbazole	17.784	167	113560	17.588	ng	99
75) Fluoranthene	19.452	202	2639800	242.318	ng	89
78) Pyrene	19.817	202	2459903	239.239	ng	# 86
81) Benzo(a)anthracene	21.644	228	1562068	137.321	ng	92
83) Chrysene	21.715	228	1626015	151.299	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.612	276	1450038	95.085	ng	98
88) Benzo(b)fluoranthene	23.894	252	2434661	205.369	ng	# 96
89) Benzo(k)fluoranthene	24.123	252	331931	28.134	ng	93
90) Benzo(a)pyrene	24.764	252	1820816	179.846	ng	94
91) Dibenzo(a,h)anthracene	29.047	278	219130	17.475	ng	95
92) Benzo(g,h,i)perylene	29.787	276	1484942	119.981	ng	# 90

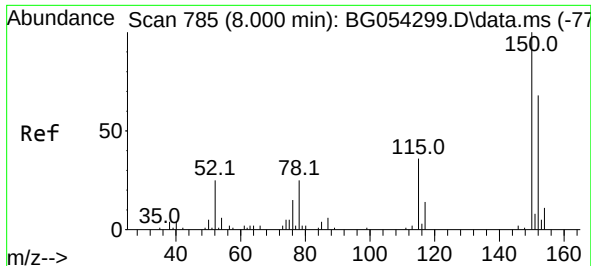
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054335.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
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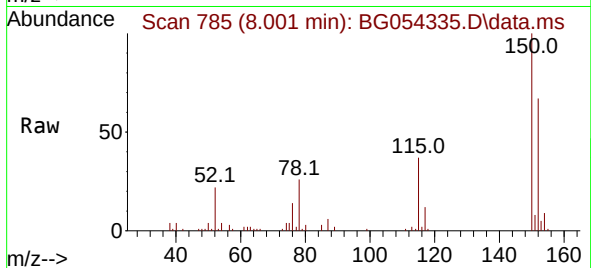
Quant Time: Jul 21 01:25:37 2022
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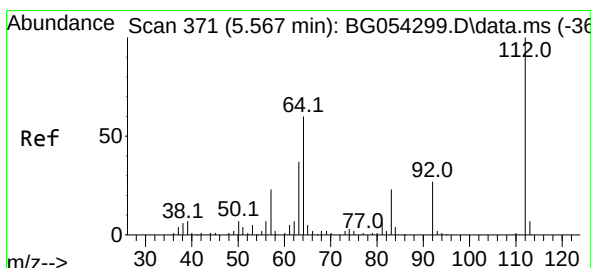
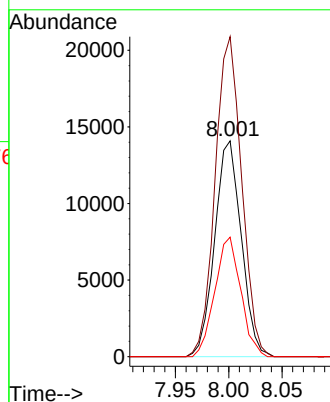
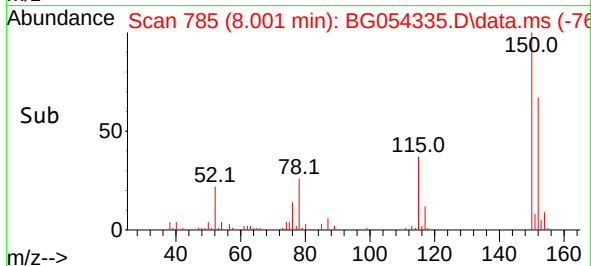


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

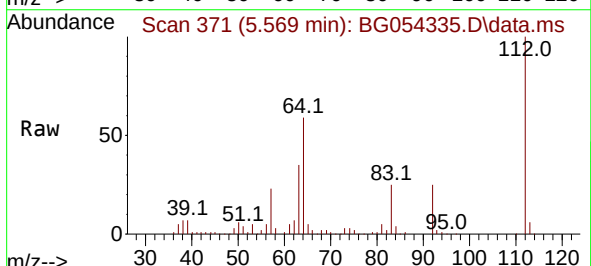
Instrument :
BNA_G
ClientSampleId :
72-11966



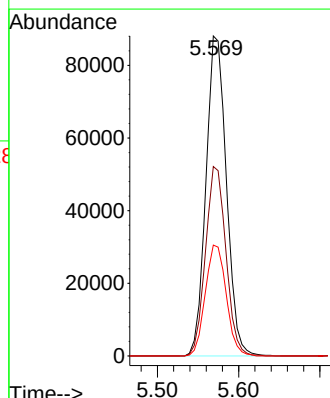
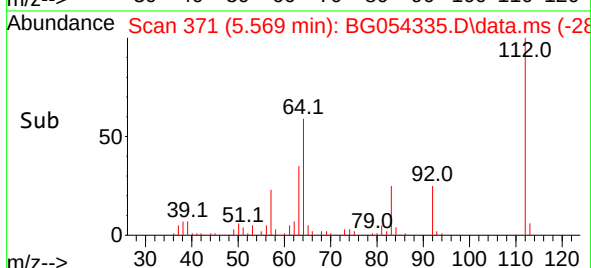
Tgt Ion:152 Resp: 24399
Ion Ratio Lower Upper
152 100
150 148.3 131.6 197.4
115 55.4 50.9 76.3

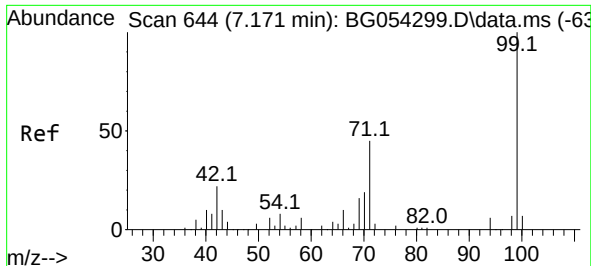


#5
2-Fluorophenol
Concen: 131.671 ng
RT: 5.569 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



Tgt Ion:112 Resp: 153871
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 34.6 30.4 45.6

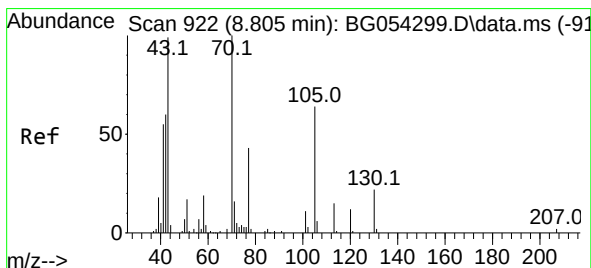
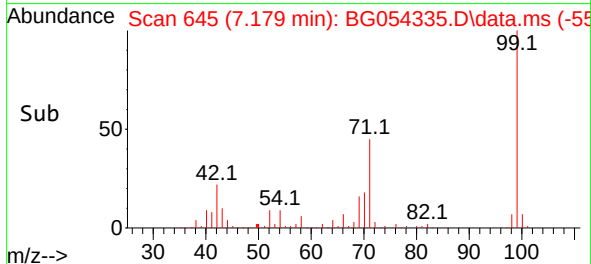
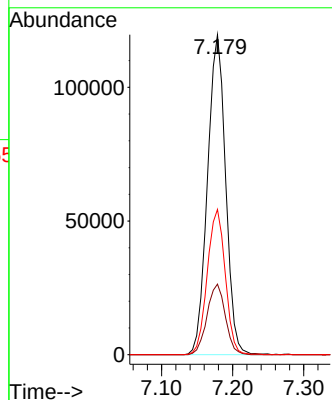
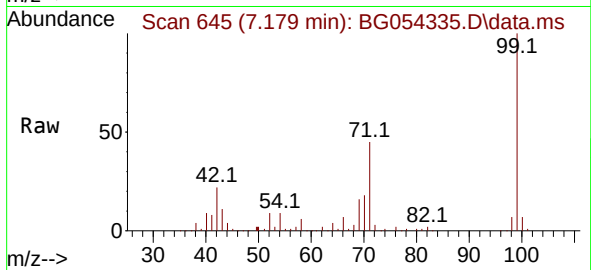




#7
Phenol-d6
Concen: 132.336 ng
RT: 7.179 min Scan# 644
Delta R.T. 0.007 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

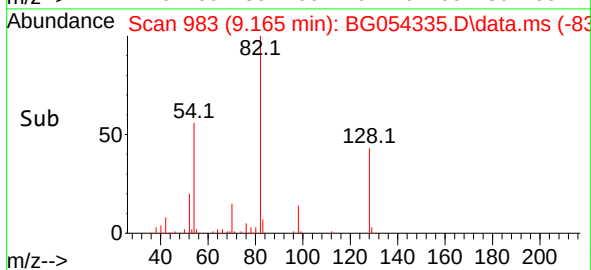
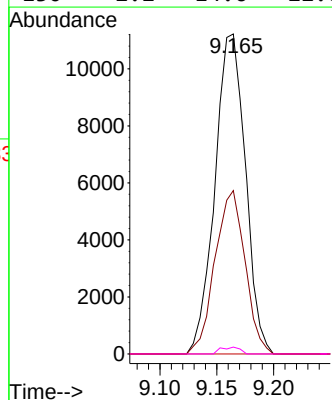
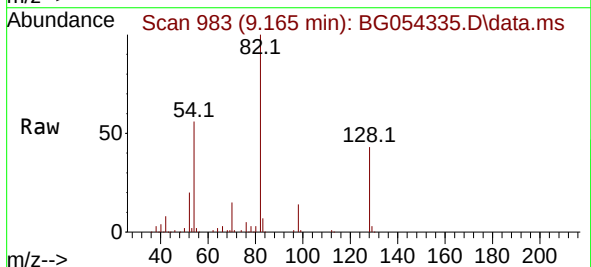
Instrument :
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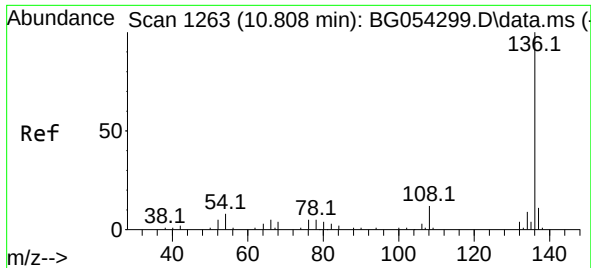
Tgt Ion: 99 Resp: 211906
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 45.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.607 ng
RT: 9.165 min Scan# 983
Delta R.T. 0.360 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion: 70 Resp: 20966
Ion Ratio Lower Upper
70 100
42 51.1 47.3 70.9
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#

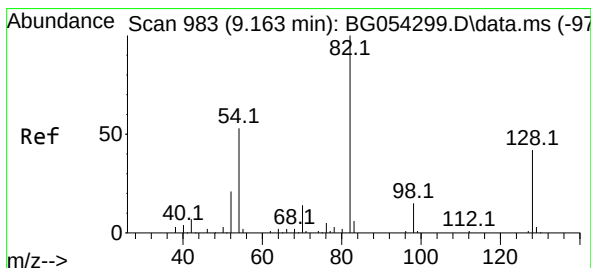
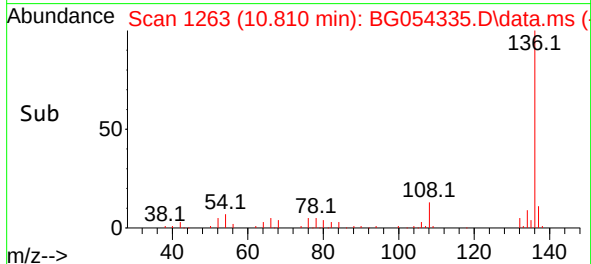
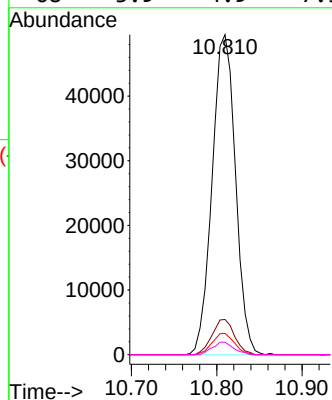
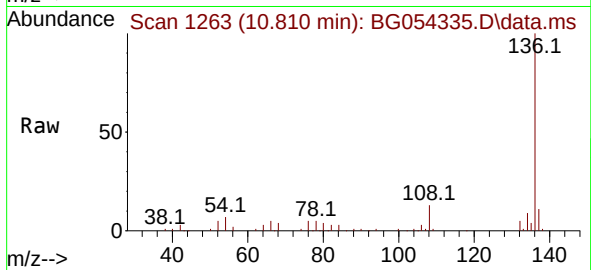




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

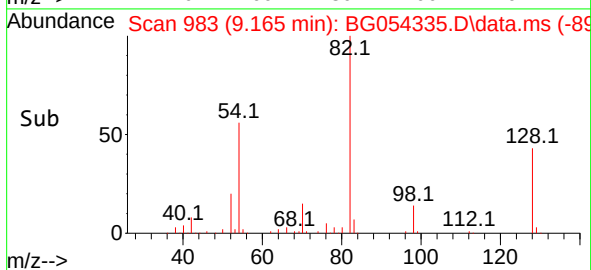
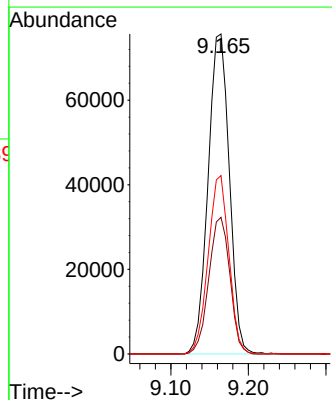
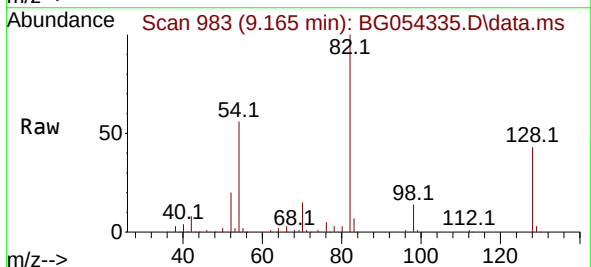
Instrument :
BNA_G
ClientSampleId :
72-11966

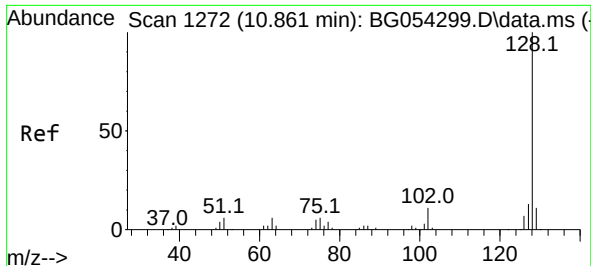
Tgt Ion:	136	Resp:	94199
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.7	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 83.204 ng
RT: 9.165 min Scan# 983
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:	82	Resp:	143925
Ion Ratio	Lower	Upper	
82	100		
128	42.7	27.9	41.9#
54	55.8	41.2	61.8

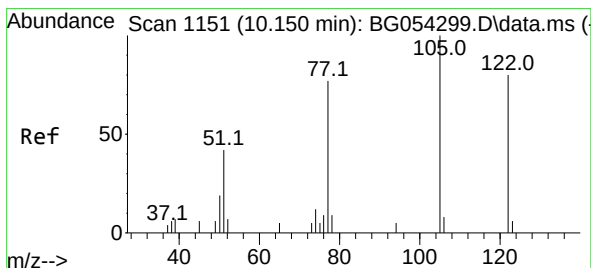
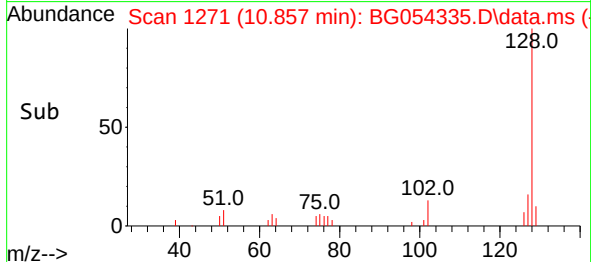
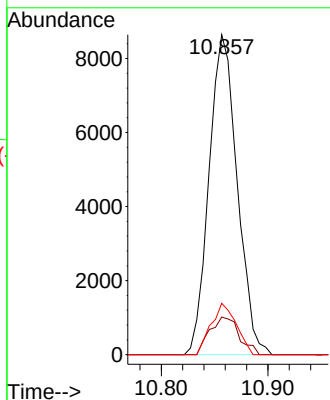
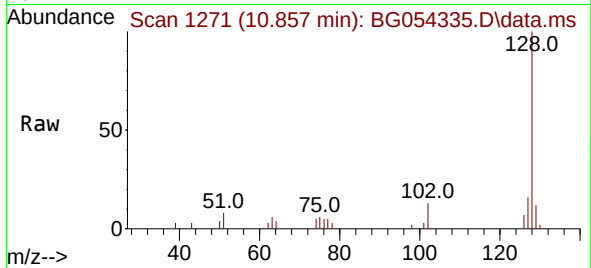




#31
Naphthalene
Concen: 3.360 ng
RT: 10.857 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

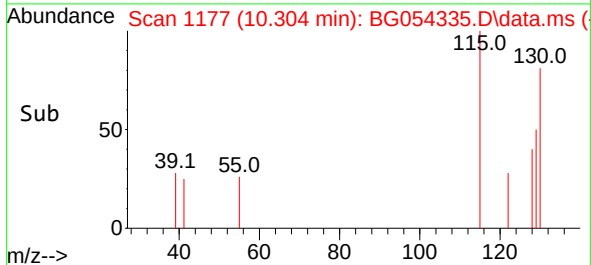
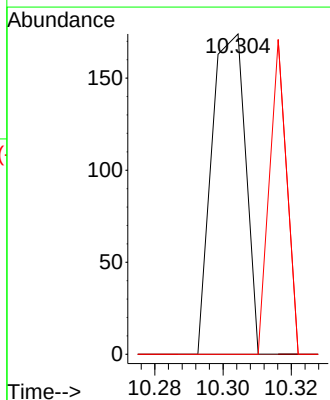
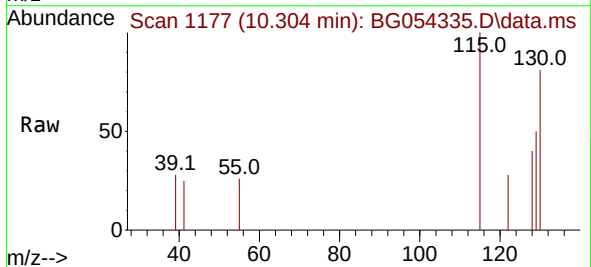
Instrument :
BNA_G
ClientSampleId :
72-11966

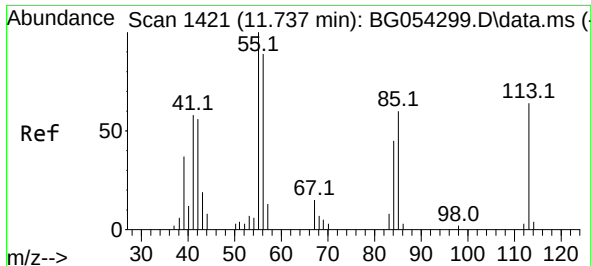
Tgt Ion:128 Resp: 15890
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 16.0 11.1 16.7



#32
Benzoic acid
Concen: 7.883 ng
RT: 10.304 min Scan# 1177
Delta R.T. 0.154 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 0.0 109.4 149.4#

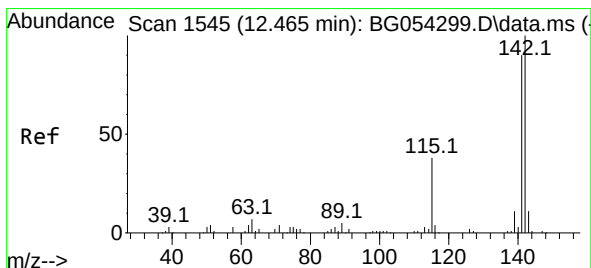
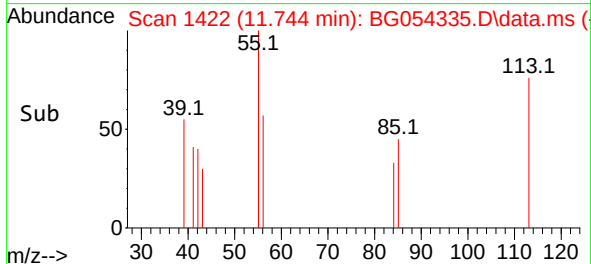
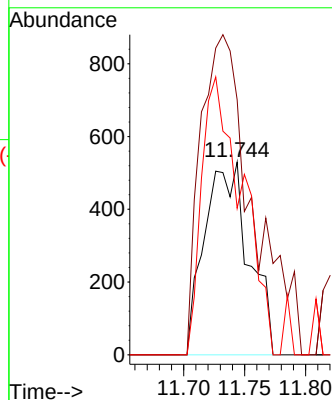
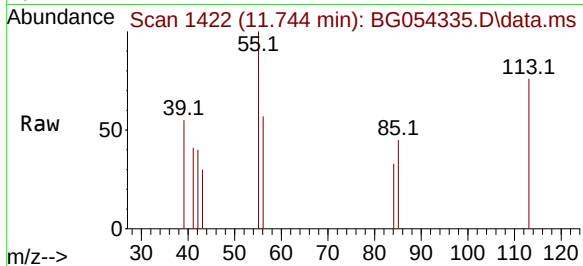




#35
Caprolactam
Concen: 2.973 ng
RT: 11.744 min Scan# 1421
Delta R.T. 0.007 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

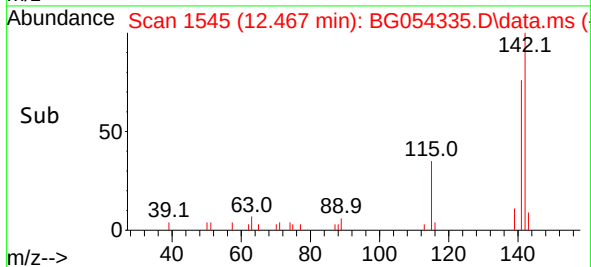
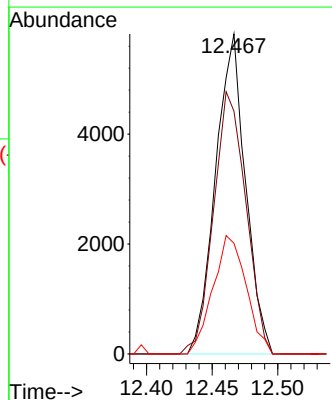
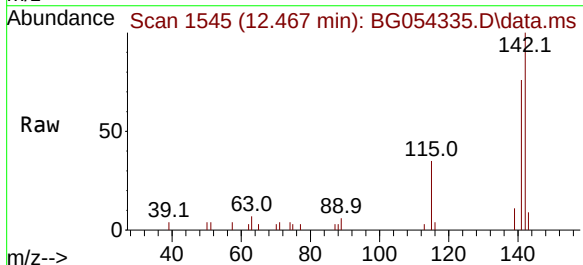
Instrument :
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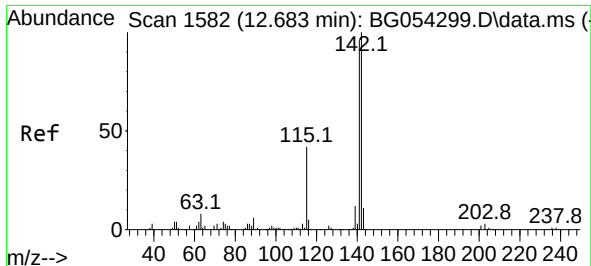
Tgt Ion:113 Resp: 1330
Ion Ratio Lower Upper
113 100
55 132.3 169.8 209.8#
56 76.0 141.2 181.2#



#37
2-Methylnaphthalene
Concen: 2.547 ng
RT: 12.467 min Scan# 1545
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:142 Resp: 9248
Ion Ratio Lower Upper
142 100
141 75.9 72.3 108.5
115 34.6 33.7 50.5

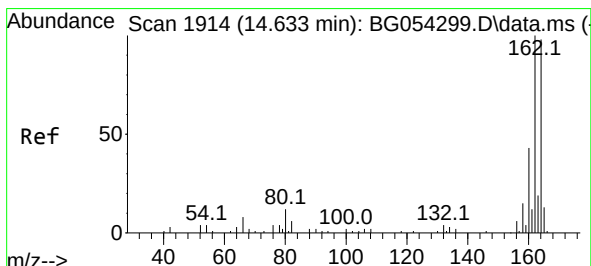
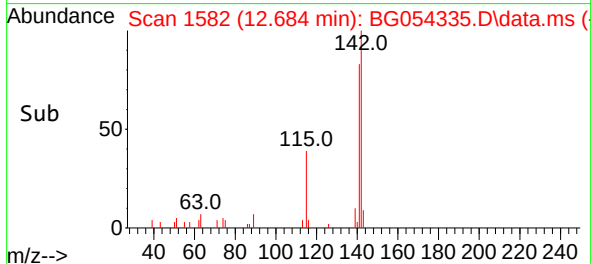
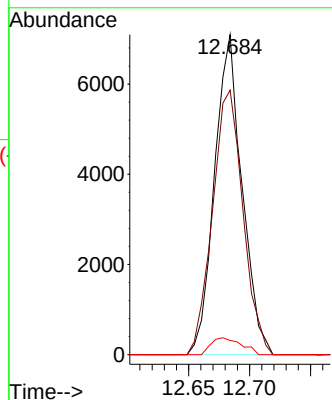
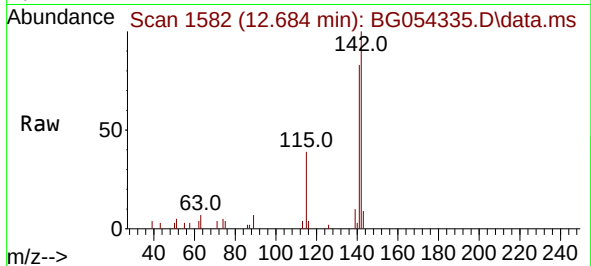




#38
1-Methylnaphthalene
Concen: 3.145 ng
RT: 12.684 min Scan# 11128
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

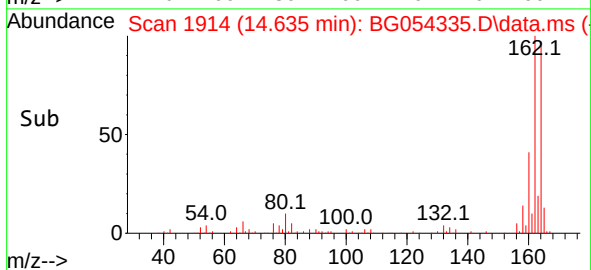
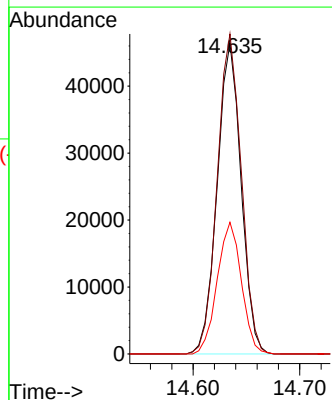
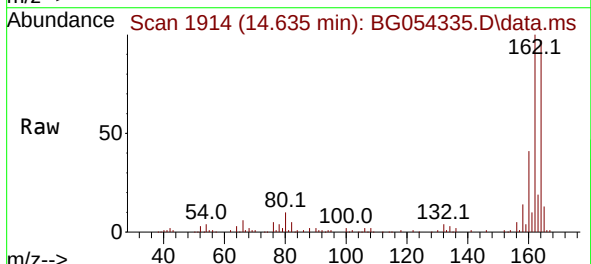
Instrument :
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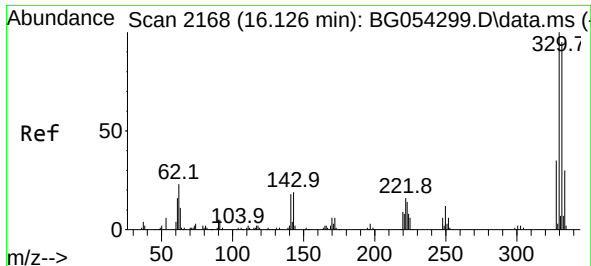
Tgt Ion:	142	Resp:	11128
Ion	Ratio	Lower	Upper
142	100		
141	82.6	76.4	114.6
116	4.4	3.3	4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.635 min Scan# 1914
Delta R.T. 0.002 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:	164	Resp:	72311
Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.3	123.5
160	42.4	34.2	51.2

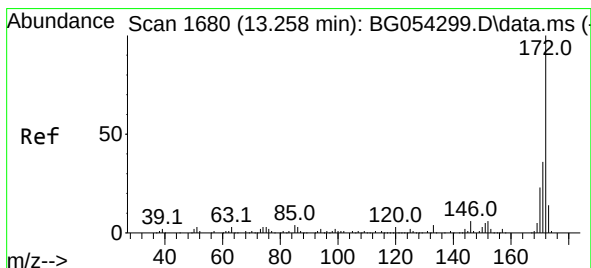
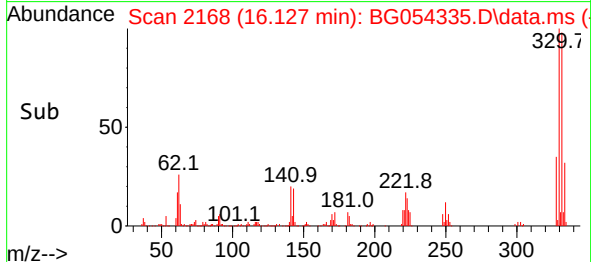
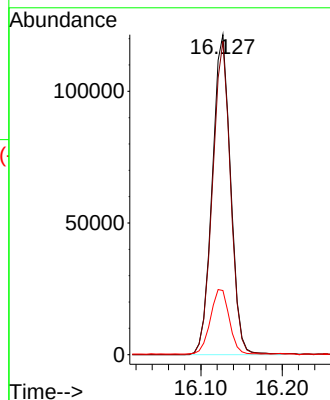
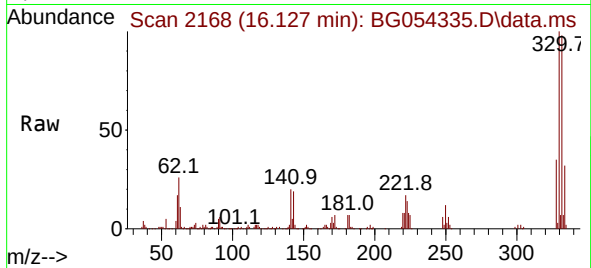




#42
 2,4,6-Tribromophenol
 Concen: 125.522 ng
 RT: 16.127 min Scan# 2168
 Delta R.T. 0.001 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

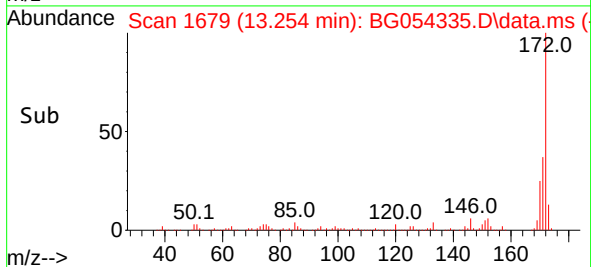
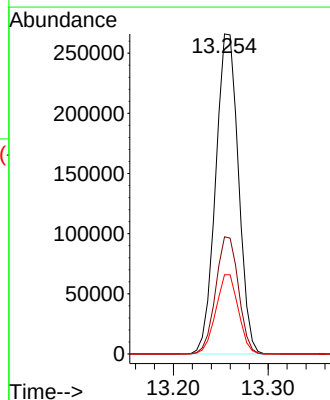
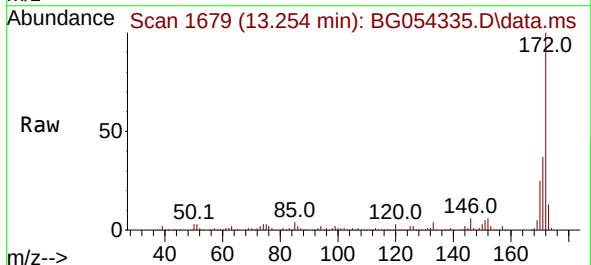
Instrument :
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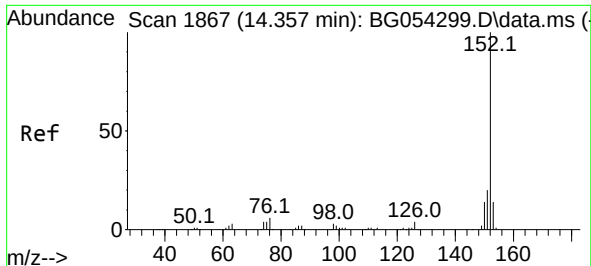
Tgt Ion:330 Resp: 190576
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.0 114.0
 141 20.7 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 86.668 ng
 RT: 13.254 min Scan# 1679
 Delta R.T. -0.005 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

Tgt Ion:172 Resp: 444252
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.5 42.7
 170 24.8 18.9 28.3

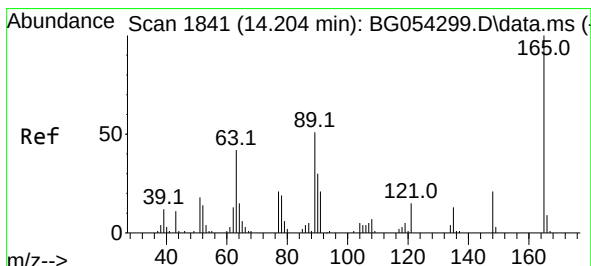
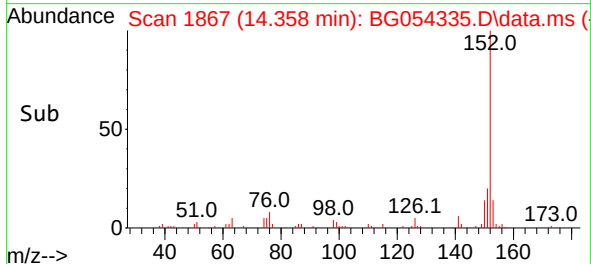
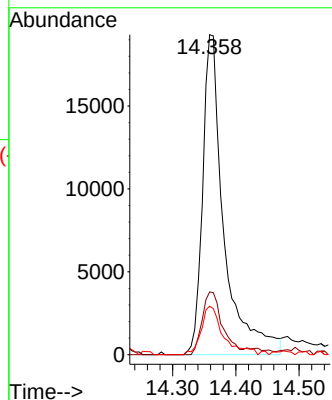
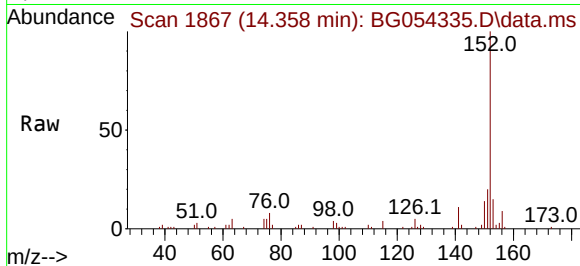




#49
Acenaphthylene
Concen: 7.385 ng
RT: 14.358 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

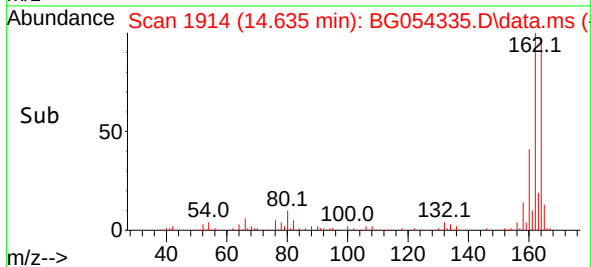
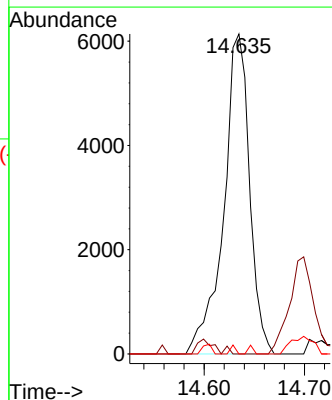
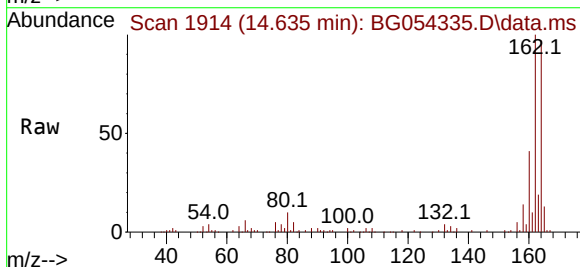
Instrument :
BNA_G
ClientSampleId :
72-11966

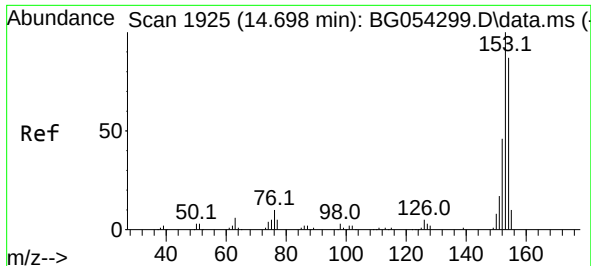
Tgt Ion:152 Resp: 45430
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 15.2 10.8 16.2



#51
2,6-Dinitrotoluene
Concen: 8.872 ng
RT: 14.635 min Scan# 1914
Delta R.T. 0.430 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:165 Resp: 10991
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

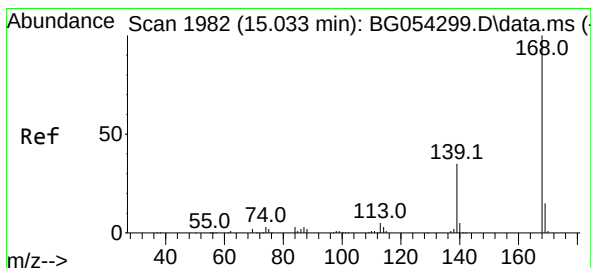
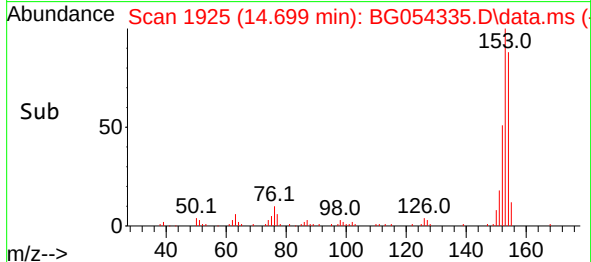
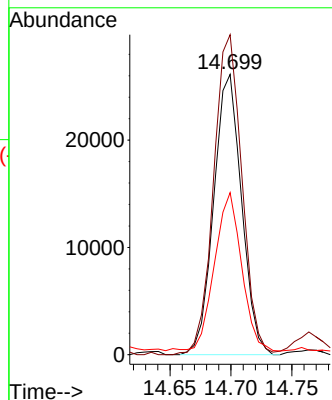
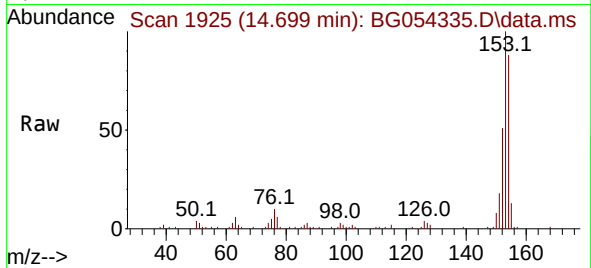




#52
Acenaphthene
Concen: 11.149 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

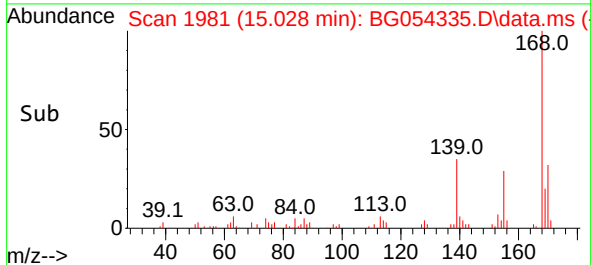
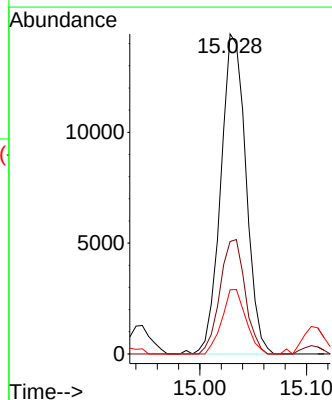
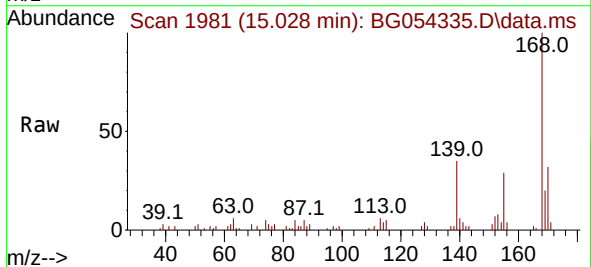
Instrument :
BNA_G
ClientSampleId :
72-11966

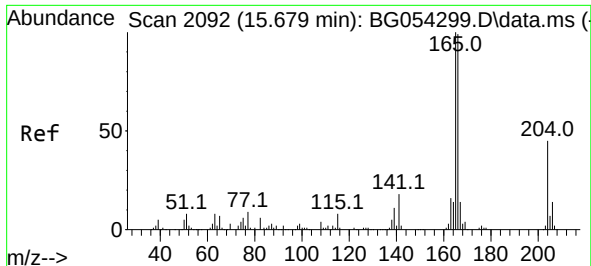
Tgt Ion:154 Resp: 41532
Ion Ratio Lower Upper
154 100
153 114.1 92.7 139.1
152 57.8 42.6 64.0



#55
Dibenzofuran
Concen: 3.569 ng
RT: 15.028 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:168 Resp: 23659
Ion Ratio Lower Upper
168 100
139 35.2 30.5 45.7
169 20.1 10.3 15.5#

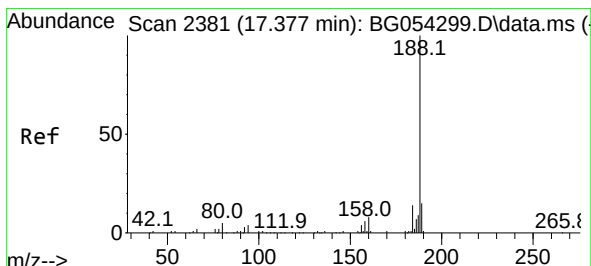
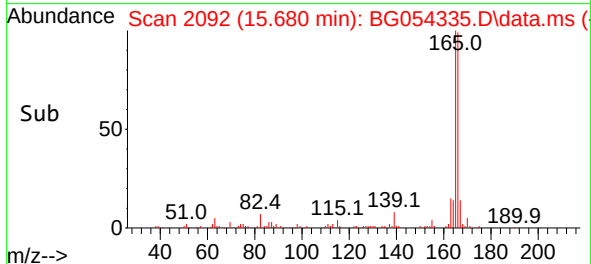
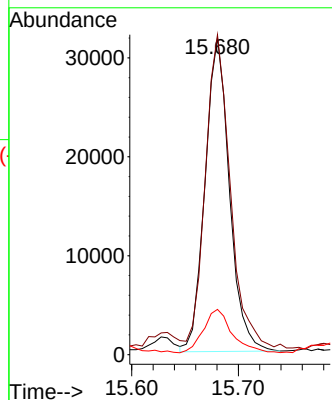
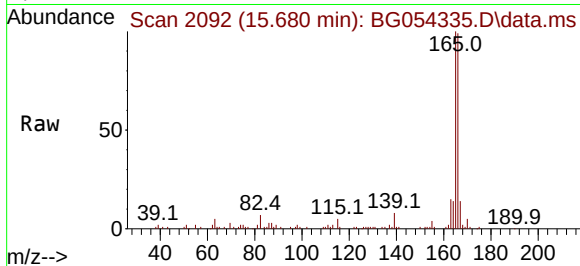




#58
 Fluorene
 Concen: 9.248 ng
 RT: 15.680 min Scan# 2092
 Delta R.T. 0.001 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

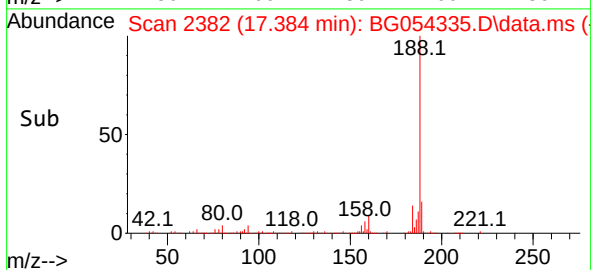
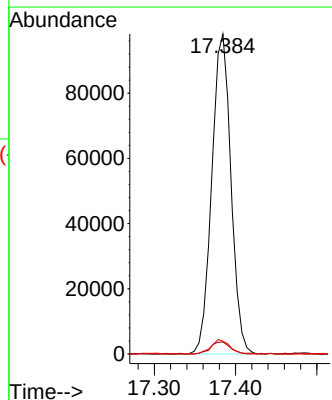
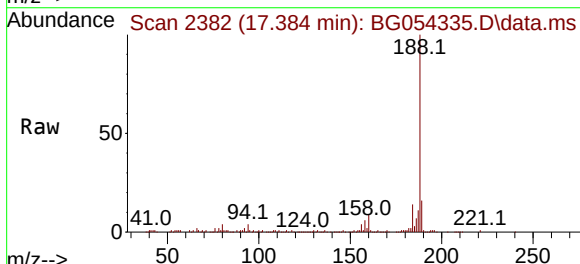
Instrument :
 BNA_G
 ClientSampleId :
 72-11966

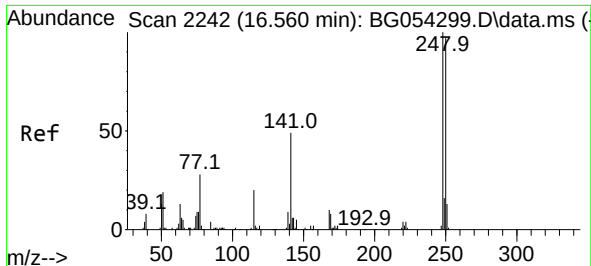
Tgt Ion:166 Resp: 50397
 Ion Ratio Lower Upper
 166 100
 165 100.9 75.0 112.6
 167 14.3 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.384 min Scan# 2382
 Delta R.T. 0.007 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

Tgt Ion:188 Resp: 160477
 Ion Ratio Lower Upper
 188 100
 94 3.8 5.4 8.0#
 80 4.0 6.8 10.2#

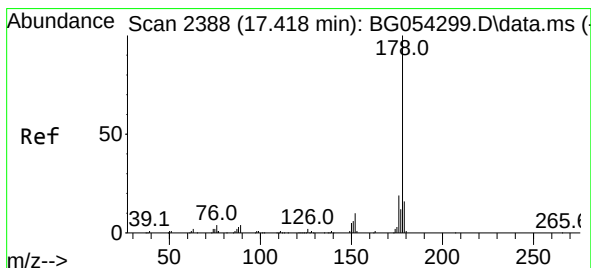
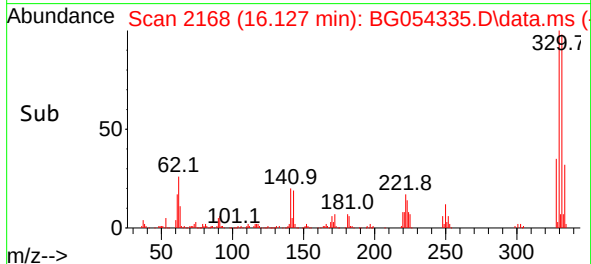
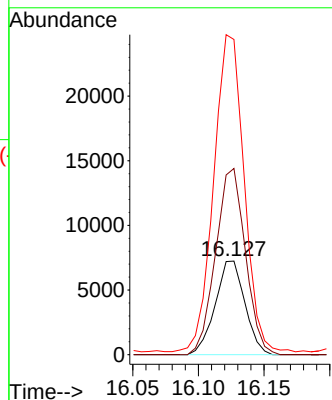
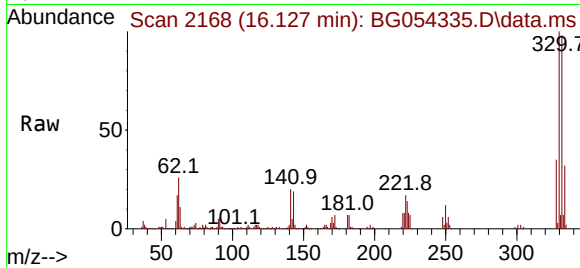




#67
4-Bromophenyl-phenylether
Concen: 5.053 ng
RT: 16.127 min Scan# 2118
Delta R.T. -0.433 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

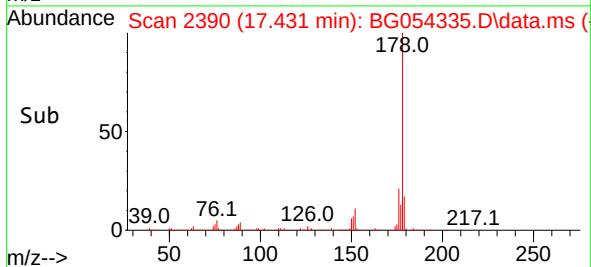
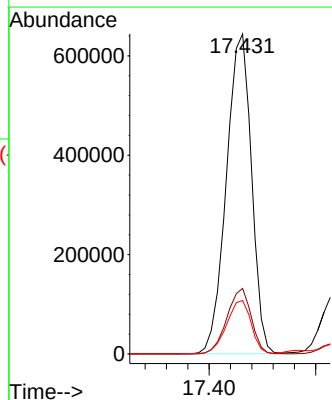
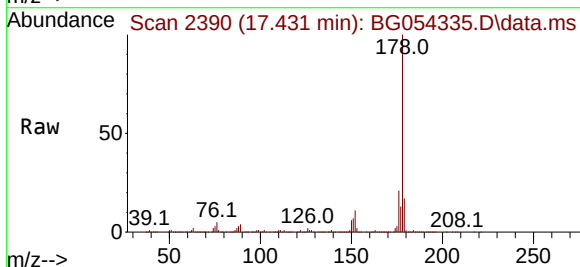
Instrument :
BNA_G
ClientSampleId :
72-11966

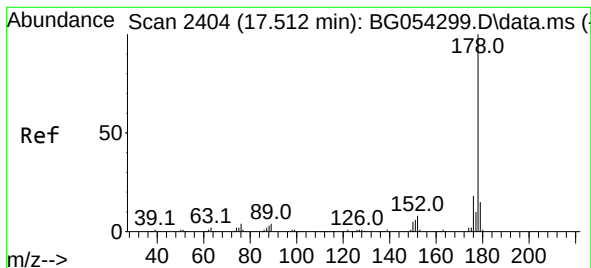
Tgt Ion:248 Resp: 11389
Ion Ratio Lower Upper
248 100
250 255.4 75.2 112.8#
141 336.6 50.0 75.0#



#71
Phenanthrene
Concen: 131.766 ng
RT: 17.431 min Scan# 2390
Delta R.T. 0.013 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:178 Resp: 1053033
Ion Ratio Lower Upper
178 100
176 20.5 14.1 21.1
179 16.7 12.1 18.1





#72

Anthracene

Concen: 21.629 ng

RT: 17.514 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

Instrument :

BNA_G

ClientSampleId :

72-11966

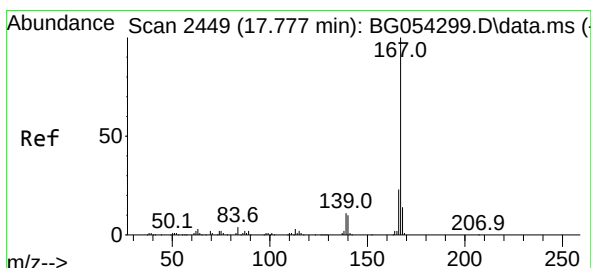
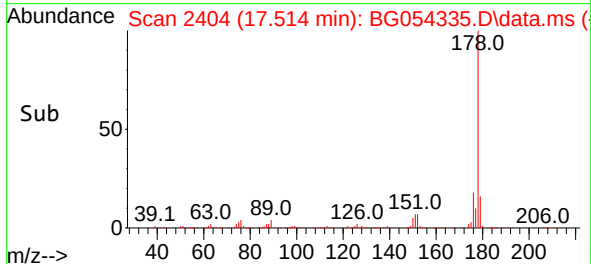
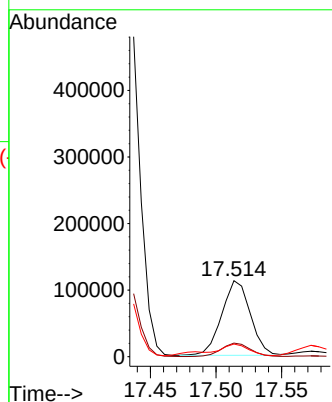
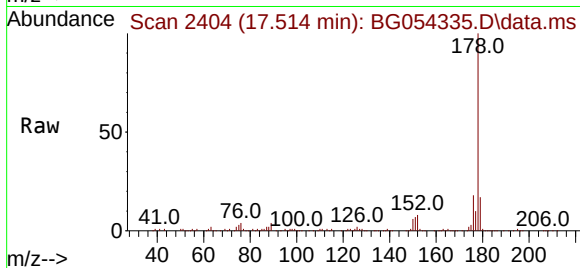
Tgt Ion:178 Resp: 169624

Ion Ratio Lower Upper

178 100

176 17.9 15.2 22.8

179 16.6 13.0 19.4



#73

Carbazole

Concen: 17.588 ng

RT: 17.784 min Scan# 2450

Delta R.T. 0.007 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

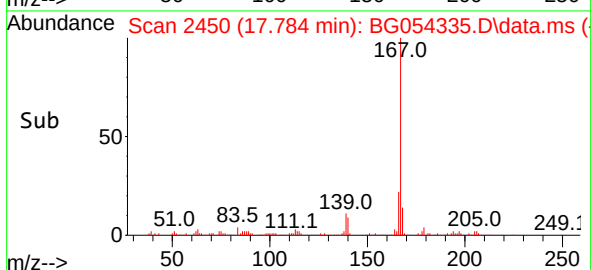
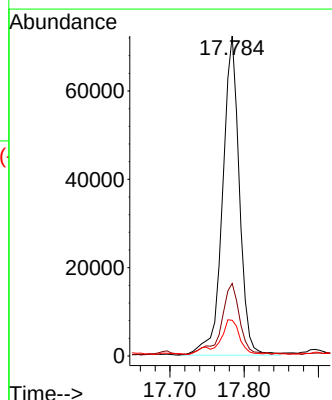
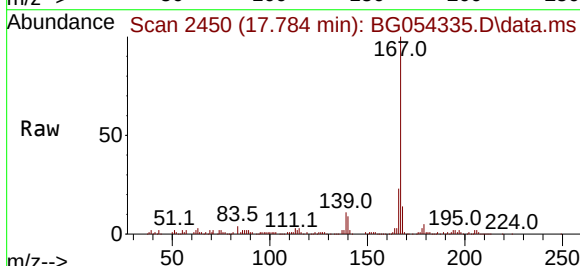
Tgt Ion:167 Resp: 113560

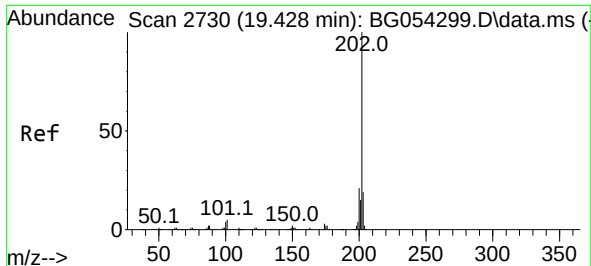
Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.2

139 11.2 10.1 15.1

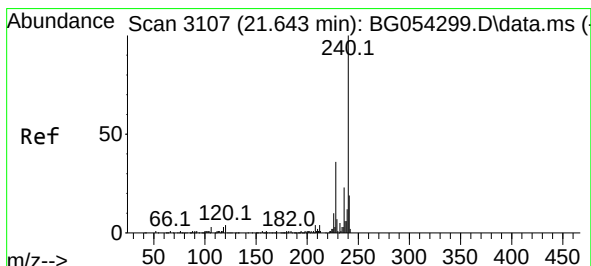
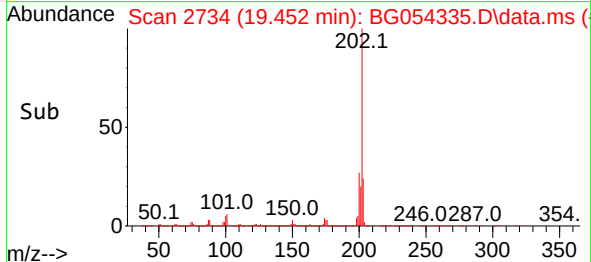
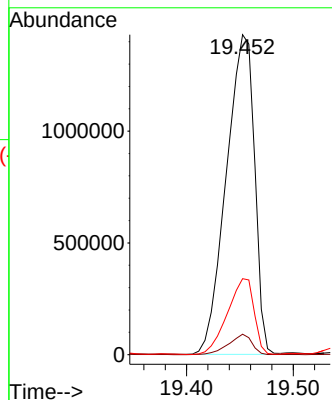
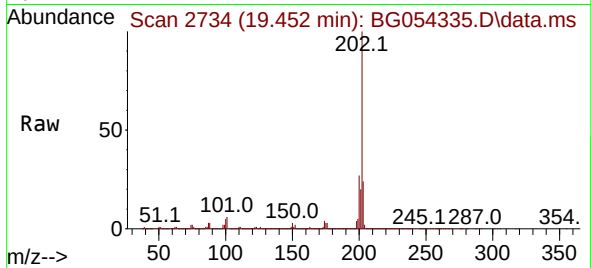




#75
Fluoranthene
Concen: 242.318 ng
RT: 19.452 min Scan# 21
Delta R.T. 0.025 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

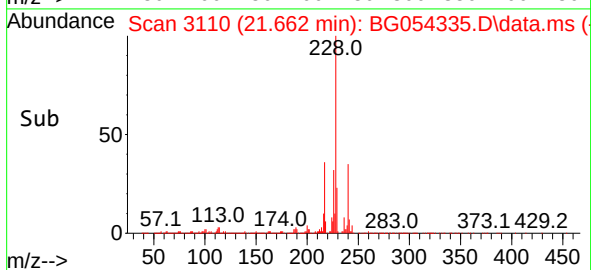
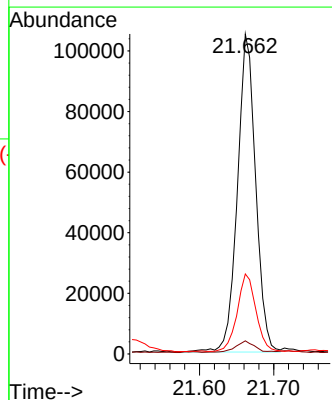
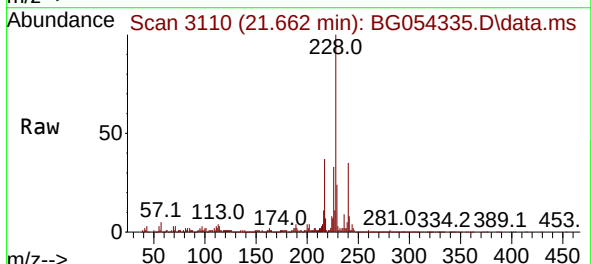
Instrument :
BNA_G
ClientSampleId :
72-11966

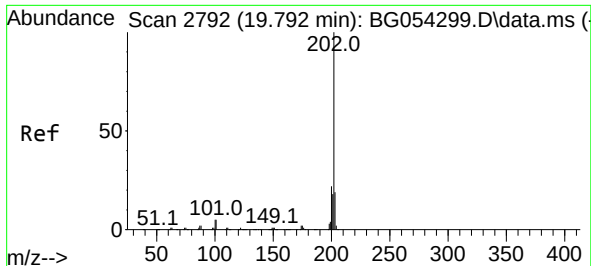
Tgt Ion:202 Resp: 2639800
Ion Ratio Lower Upper
202 100
101 6.4 0.0 26.9
203 23.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.662 min Scan# 3110
Delta R.T. 0.019 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:240 Resp: 179197
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 25.0 20.2 30.4

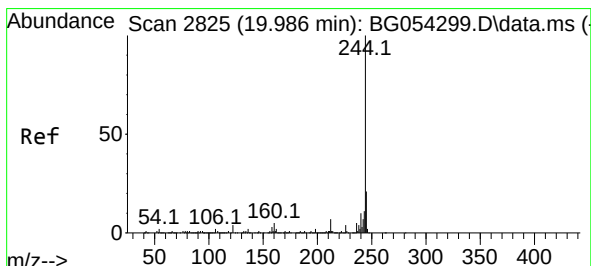
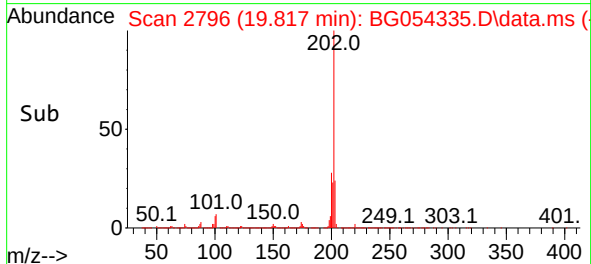
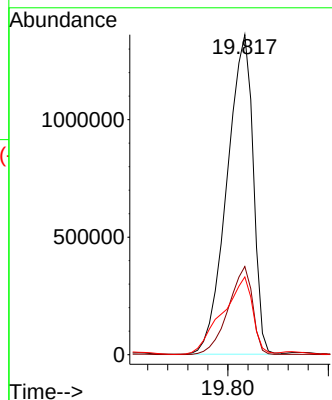
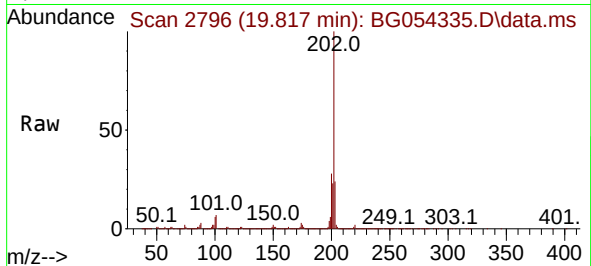




#78
Pyrene
Concen: 239.239 ng
RT: 19.817 min Scan# 21
Delta R.T. 0.025 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

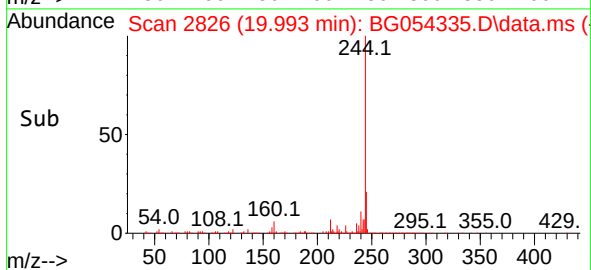
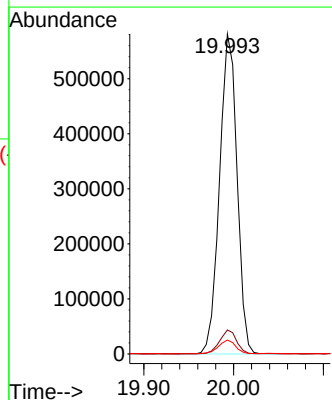
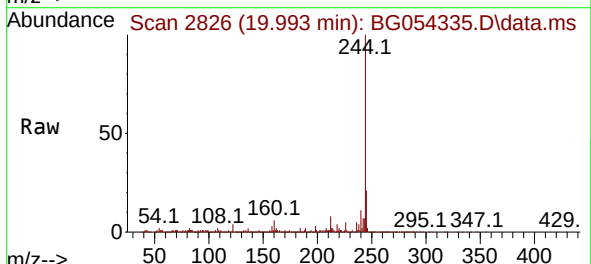
Instrument :
BNA_G
ClientSampleId :
72-11966

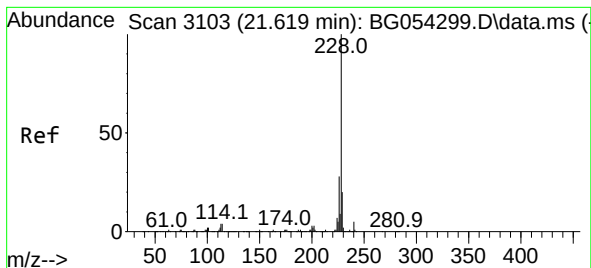
Tgt Ion:202 Resp: 2459903
Ion Ratio Lower Upper
202 100
200 27.6 16.6 24.8#
203 24.3 14.6 21.8#



#79
Terphenyl-d14
Concen: 87.022 ng
RT: 19.993 min Scan# 2826
Delta R.T. 0.007 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:244 Resp: 786073
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 4.4 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 137.321 ng

RT: 21.644 min Scan# 3107

Delta R.T. 0.025 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

Instrument :

BNA_G

ClientSampleId :

72-11966

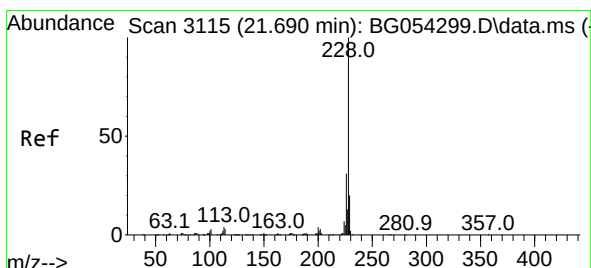
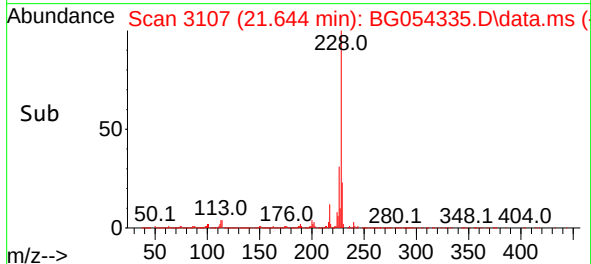
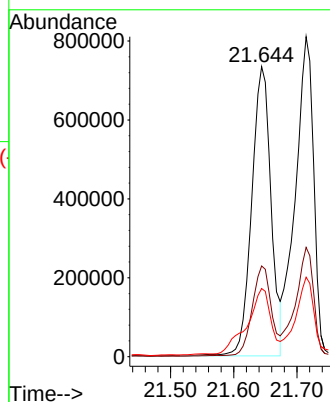
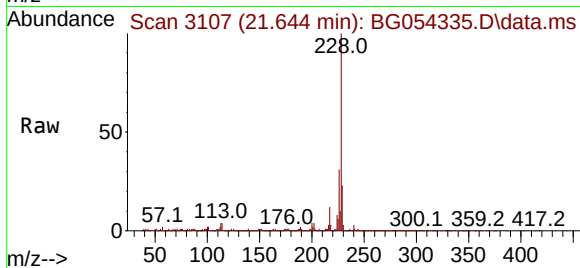
Tgt Ion:228 Resp: 1562068

Ion Ratio Lower Upper

228 100

226 31.3 21.6 32.4

229 23.5 16.2 24.2



#83

Chrysene

Concen: 151.299 ng

RT: 21.715 min Scan# 3119

Delta R.T. 0.025 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

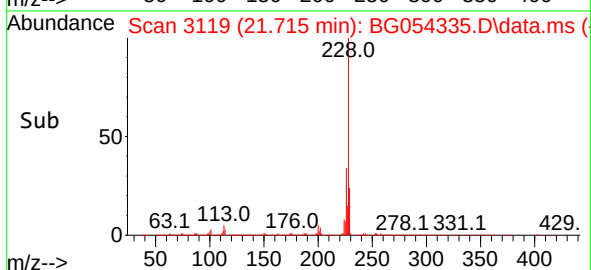
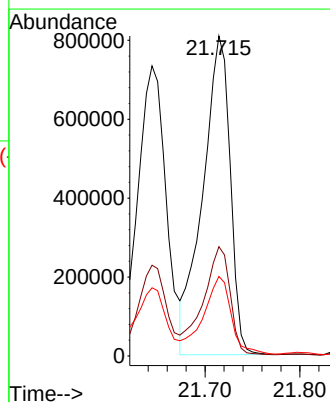
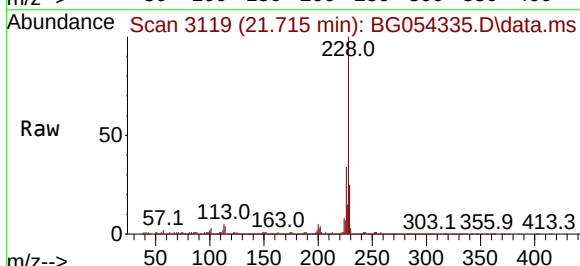
Tgt Ion:228 Resp: 1626015

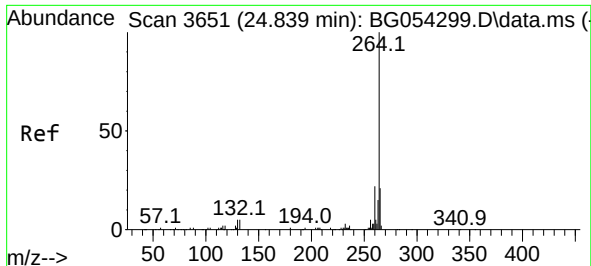
Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.2

229 24.8 15.5 23.3#

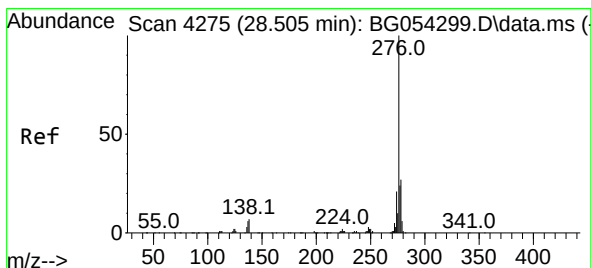
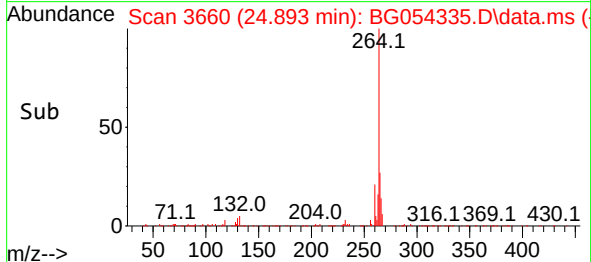
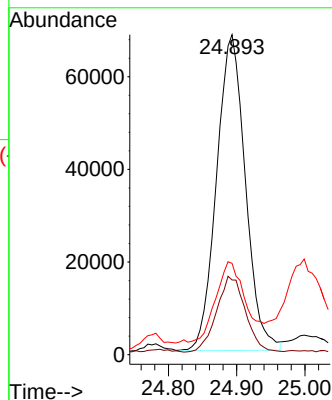
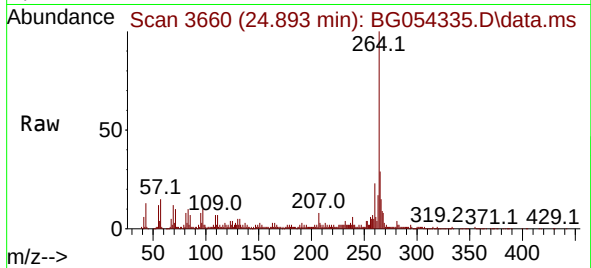




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.893 min Scan# 30
Delta R.T. 0.054 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

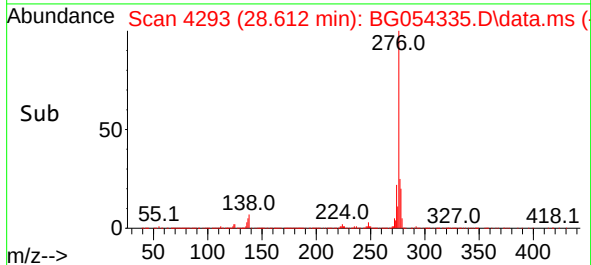
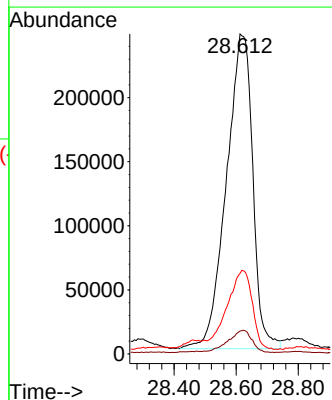
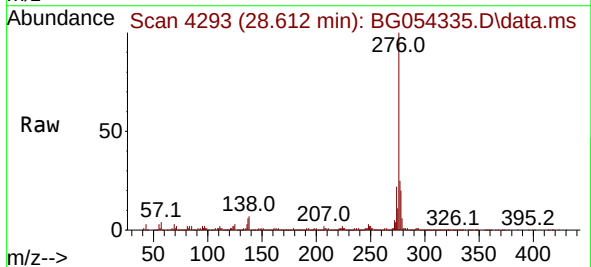
Instrument :
BNA_G
ClientSampleId :
72-11966

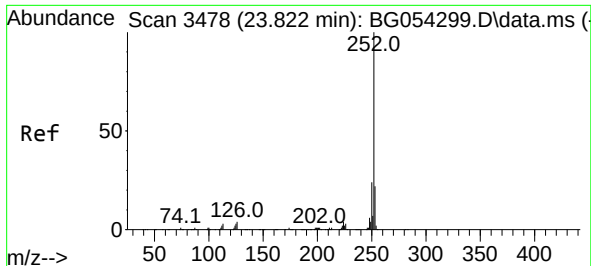
Tgt Ion:264 Resp: 200461
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 28.6 17.4 26.2#



#87
Indeno(1,2,3-cd)pyrene
Concen: 95.085 ng
RT: 28.612 min Scan# 4293
Delta R.T. 0.107 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:276 Resp: 1450038
Ion Ratio Lower Upper
276 100
138 6.4 5.0 7.4
277 23.9 20.3 30.5

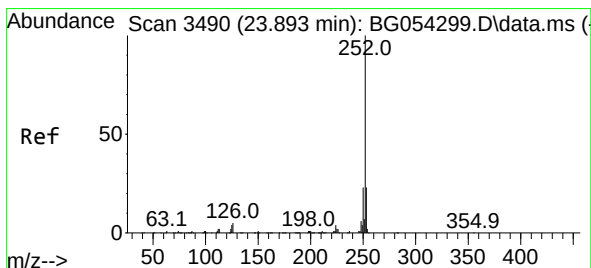
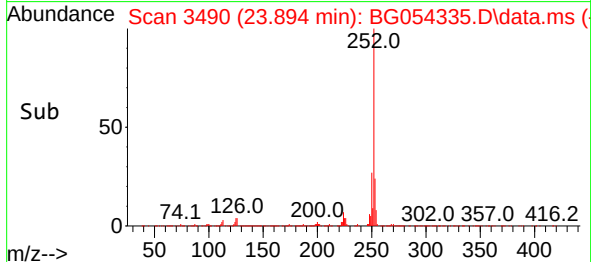
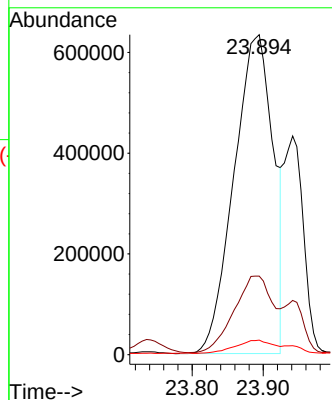
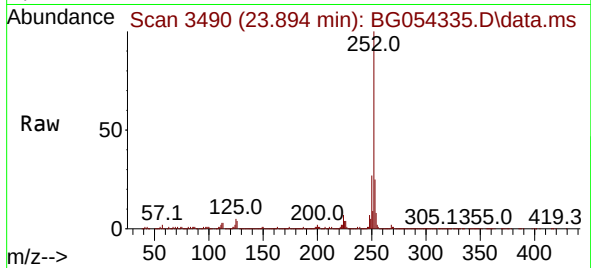




#88
Benzo(b)fluoranthene
Concen: 205.369 ng
RT: 23.894 min Scan# 3478
Delta R.T. 0.072 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

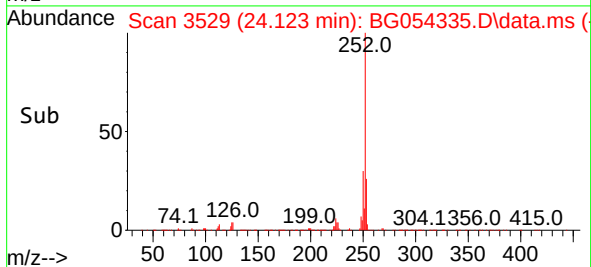
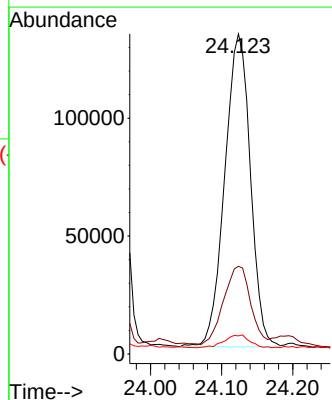
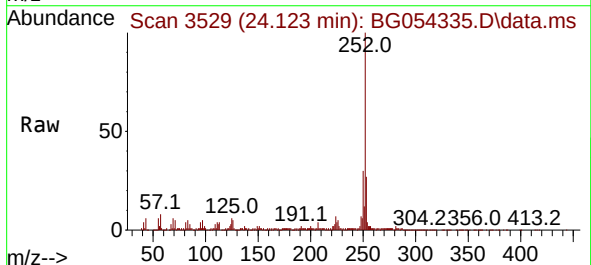
Instrument :
BNA_G
ClientSampleId :
72-11966

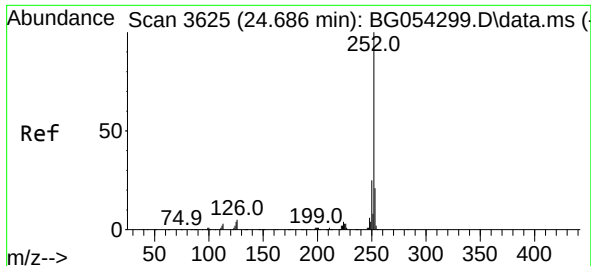
Tgt Ion:252 Resp: 2434661
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 4.5 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 28.134 ng
RT: 24.123 min Scan# 3529
Delta R.T. 0.231 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Tgt Ion:252 Resp: 331931
Ion Ratio Lower Upper
252 100
253 27.4 18.4 27.6
125 5.6 4.8 7.2

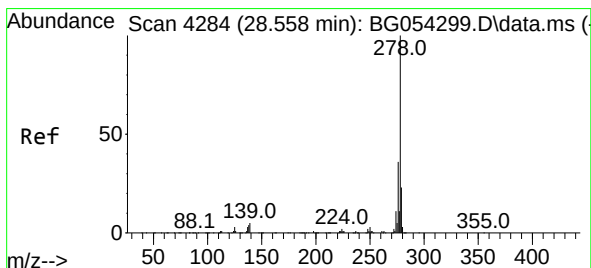
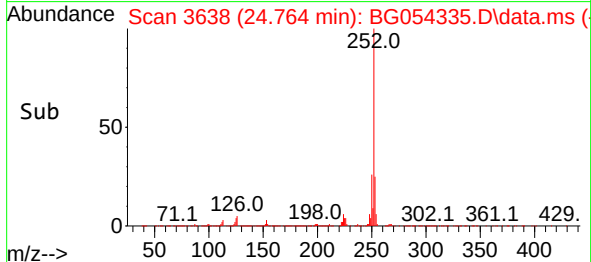
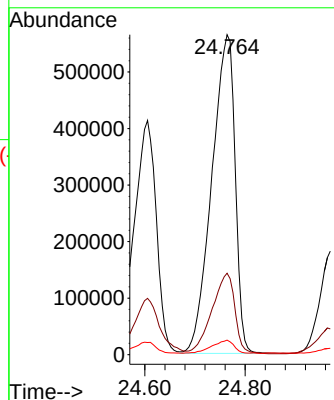
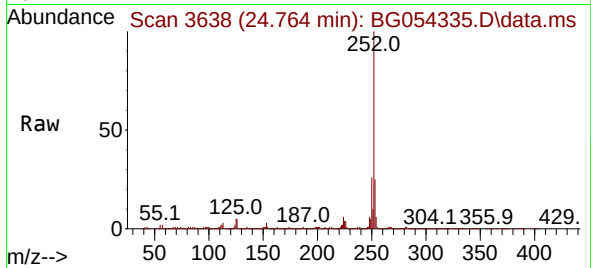




#90
Benzo(a)pyrene
Concen: 179.846 ng
RT: 24.764 min Scan# 30
Delta R.T. 0.078 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

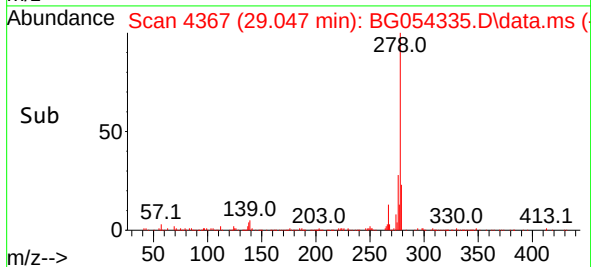
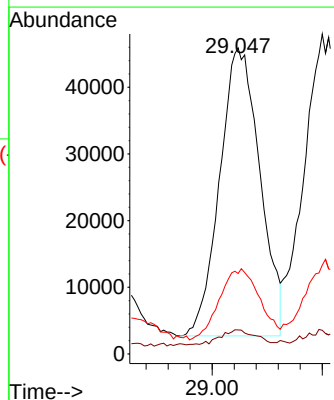
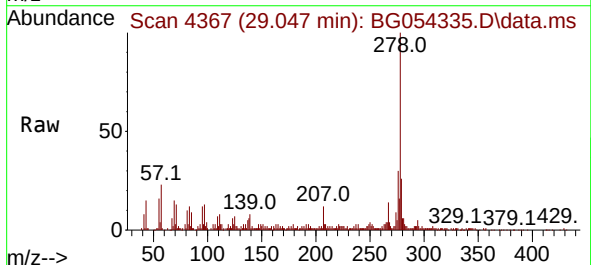
Instrument :
BNA_G
ClientSampleId :
72-11966

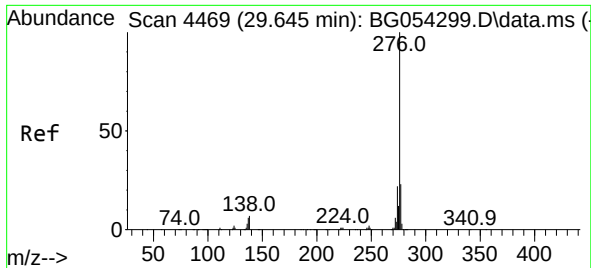
Tgt Ion:252 Resp: 1820816
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 4.6 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 17.475 ng
RT: 29.047 min Scan# 4367
Delta R.T. 0.489 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

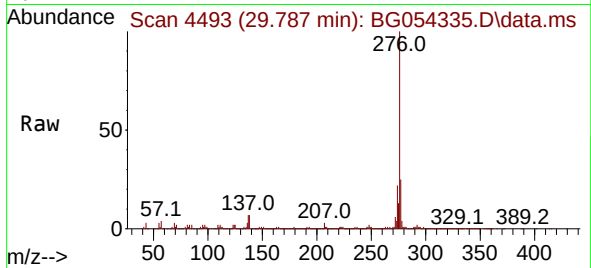
Tgt Ion:278 Resp: 219130
Ion Ratio Lower Upper
278 100
139 7.8 7.2 10.8
279 26.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 119.981 ng
 RT: 29.787 min Scan# 44
 Delta R.T. 0.142 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

Instrument :
 BNA_G
 ClientSampleId :
 72-11966



Tgt Ion:276 Resp: 1484942
 Ion Ratio Lower Upper
 276 100
 277 25.2 17.3 25.9
 138 6.7 9.6 14.4#

