

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054403.D
 Acq On : 26 Jul 2022 18:20
 Operator : CG/JU
 Sample : N3854-01DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Quant Time: Jul 27 04:33:59 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

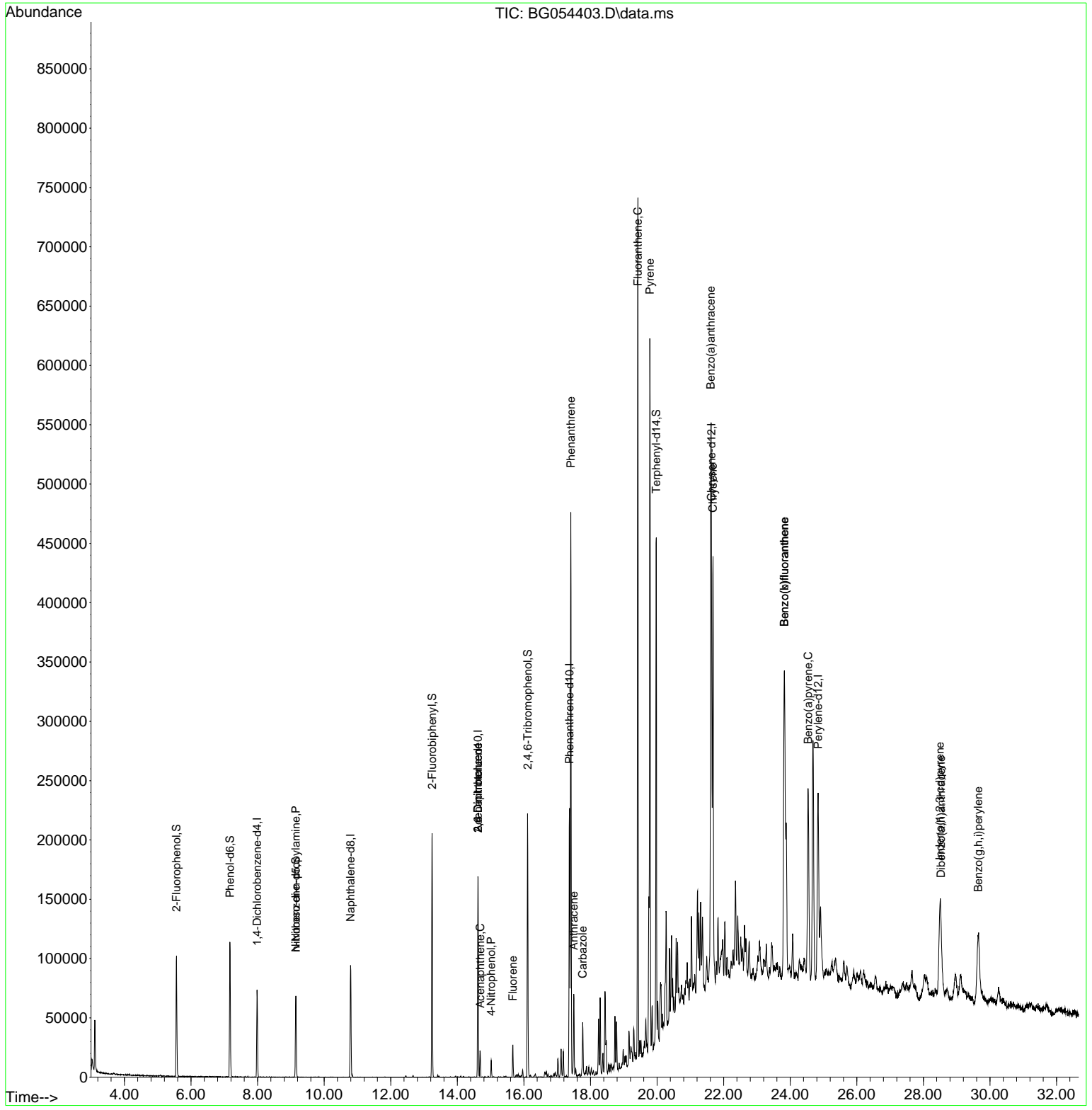
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	23382	20.000	ng	-0.01
21) Naphthalene-d8	10.794	136	87882	20.000	ng	#-0.01
39) Acenaphthene-d10	14.619	164	68063	20.000	ng	-0.01
64) Phenanthrene-d10	17.368	188	166397	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	179417	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	194107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	46339	41.378	ng	0.00
7) Phenol-d6	7.168	99	66954	43.632	ng	0.00
23) Nitrobenzene-d5	9.149	82	41962	26.002	ng	-0.01
42) 2,4,6-Tribromophenol	16.111	330	58004	40.589	ng	-0.01
45) 2-Fluorobiphenyl	13.244	172	123839	25.667	ng	-0.01
79) Terphenyl-d14	19.977	244	243419	26.915	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.149	70	5863	5.722	ng	# 74
51) 2,6-Dinitrotoluene	14.619	165	9429	8.086	ng	# 16
52) Acenaphthene	14.689	154	9758	2.783	ng	98
56) 4-Nitrophenol	15.018	139	3539	5.439	ng	# 1
57) 2,4-Dinitrotoluene	14.619	165	9429	5.640	ng	# 21
58) Fluorene	15.670	166	14201	2.769	ng	100
71) Phenanthrene	17.409	178	334620	40.381	ng	99
72) Anthracene	17.498	178	51524	6.336	ng	98
73) Carbazole	17.768	167	31207	4.661	ng	98
75) Fluoranthene	19.425	202	510535	45.197	ng	94
78) Pyrene	19.783	202	431765	41.940	ng	97
81) Benzo(a)anthracene	21.616	228	291885	25.628	ng	98
83) Chrysene	21.681	228	297425	27.641	ng	95
87) Indeno(1,2,3-cd)pyrene	28.496	276	174084	11.789	ng	97
88) Benzo(b)fluoranthene	23.825	252	382601	33.330	ng	# 98
89) Benzo(k)fluoranthene	23.825	252	382601	33.490	ng	# 98
90) Benzo(a)pyrene	24.536	252	201278	20.531	ng	97
91) Dibenzo(a,h)anthracene	28.532	278	49364	4.065	ng	# 90
92) Benzo(g,h,i)perylene	29.648	276	170141	14.197	ng	# 94

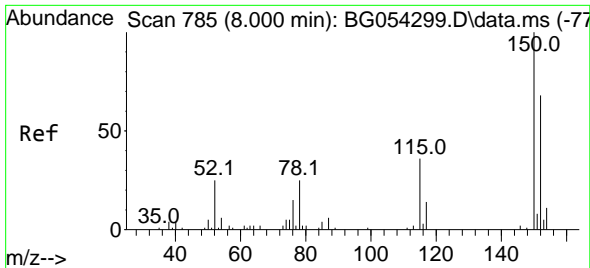
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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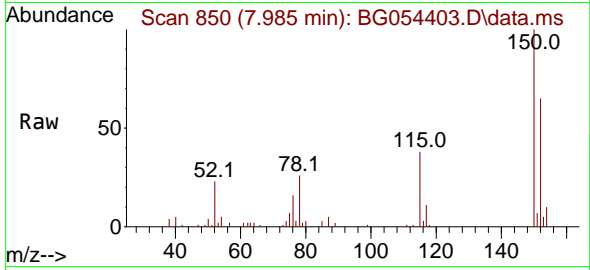
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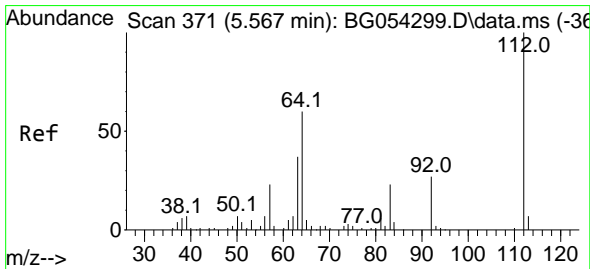
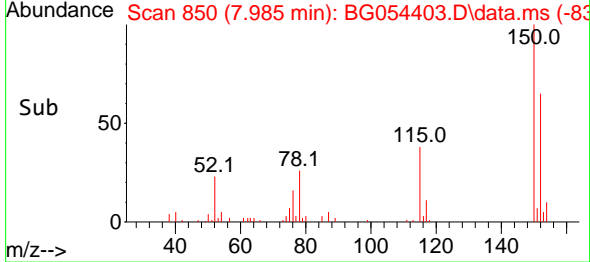
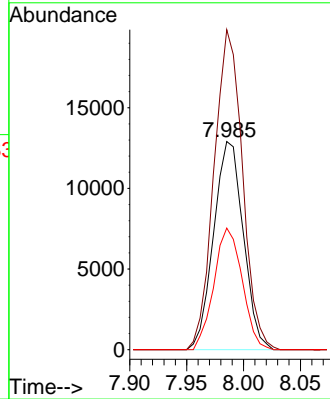


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.985 min Scan# 81
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

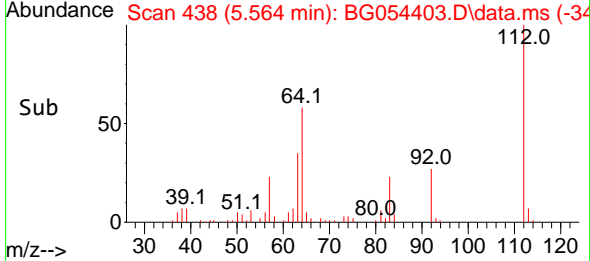
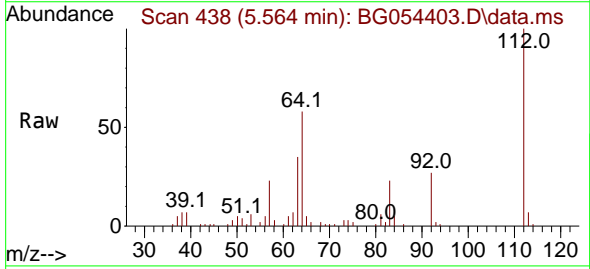
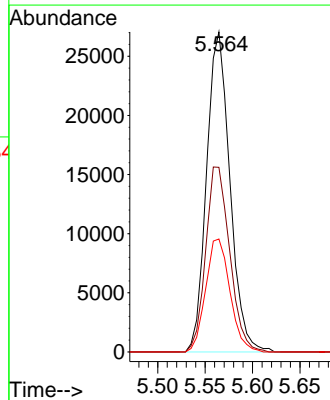


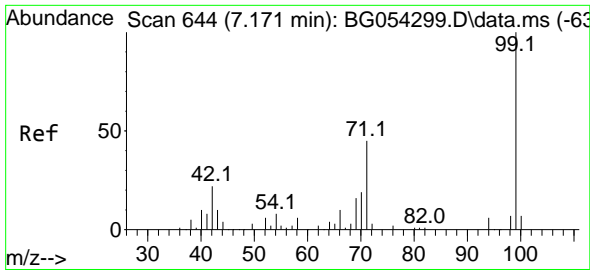
Tgt Ion:152 Resp: 23382
 Ion Ratio Lower Upper
 152 100
 150 153.7 131.6 197.4
 115 58.4 50.9 76.3



#5
 2-Fluorophenol
 Concen: 41.378 ng
 RT: 5.564 min Scan# 438
 Delta R.T. -0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

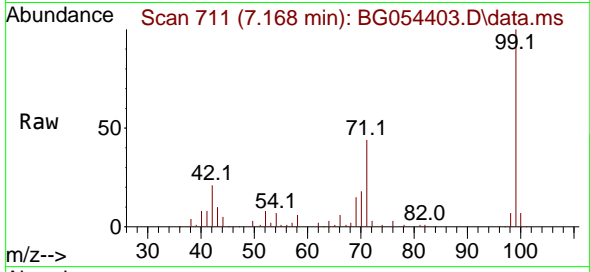
Tgt Ion:112 Resp: 46339
 Ion Ratio Lower Upper
 112 100
 64 57.7 55.1 82.7
 63 35.3 30.4 45.6



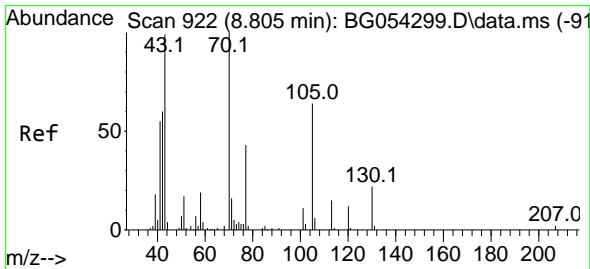
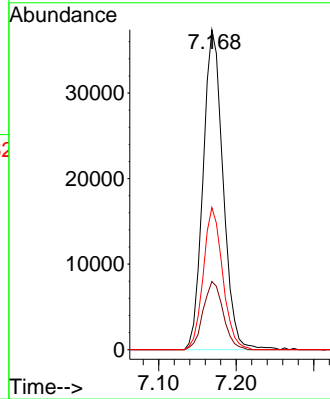
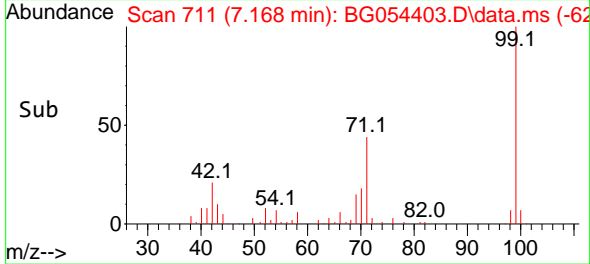


#7
 Phenol-d6
 Concen: 43.632 ng
 RT: 7.168 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

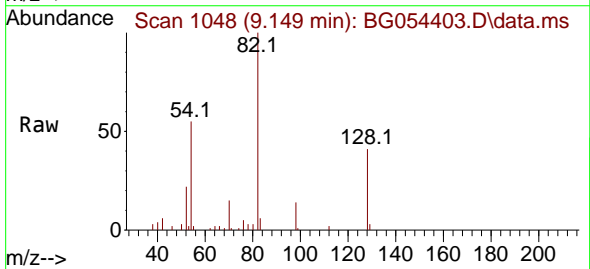
Instrument :
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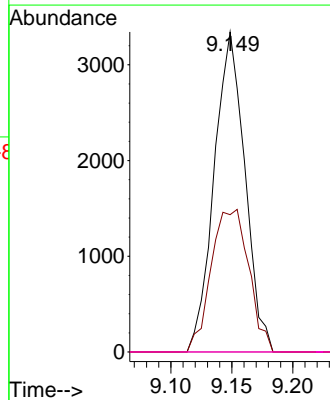
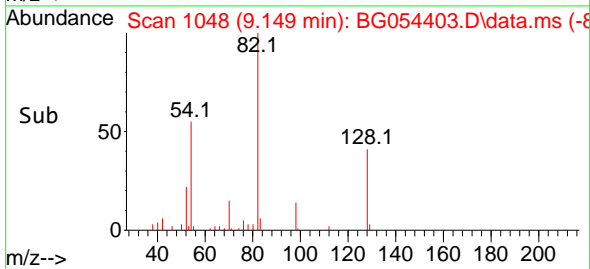
Tgt Ion: 99 Resp: 66954
 Ion Ratio Lower Upper
 99 100
 42 21.3 17.0 25.6
 71 44.4 33.8 50.8

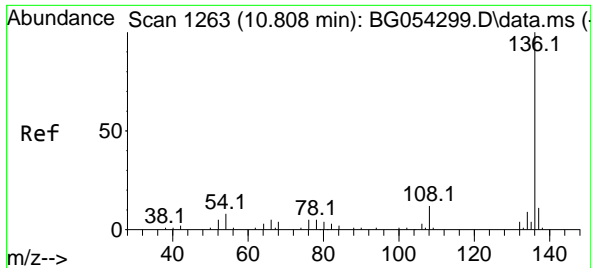


#19
 n-Nitroso-di-n-propylamine
 Concen: 5.722 ng
 RT: 9.149 min Scan# 1048
 Delta R.T. 0.344 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20



Tgt Ion: 70 Resp: 5863
 Ion Ratio Lower Upper
 70 100
 42 42.9 47.3 70.9#
 101 0.0 7.0 10.4#
 130 0.0 14.6 22.0#



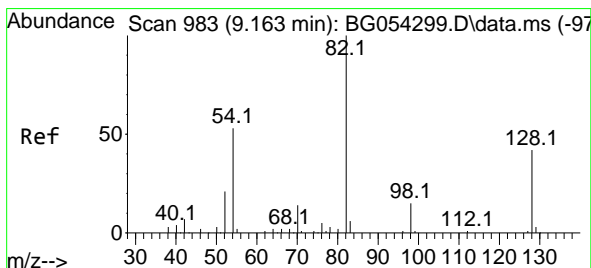
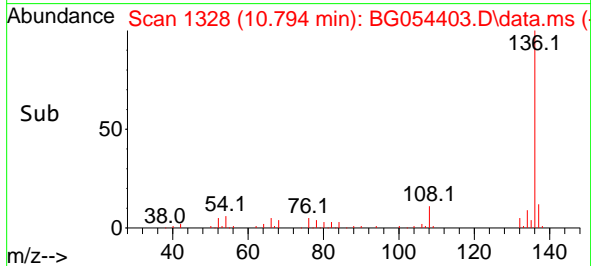
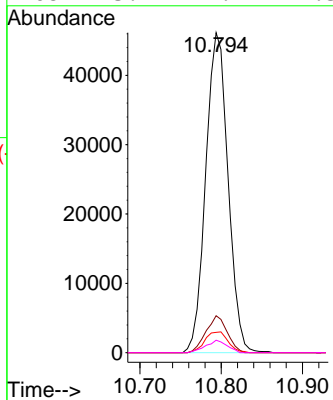
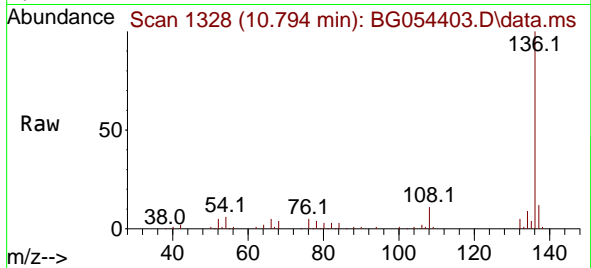


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.794 min Scan# 11
 Delta R.T. -0.014 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Tgt Ion:136 Resp: 87882

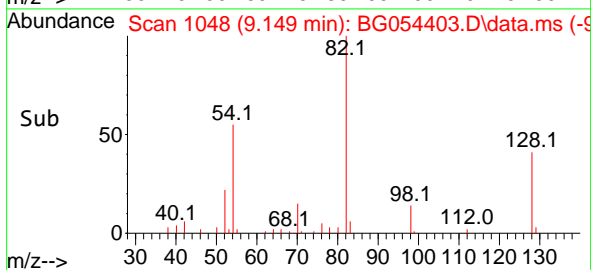
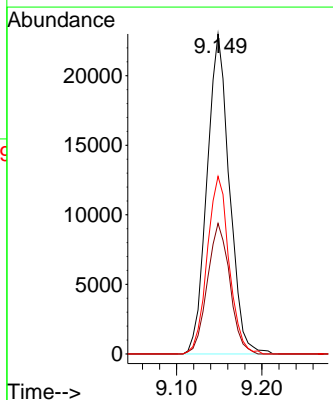
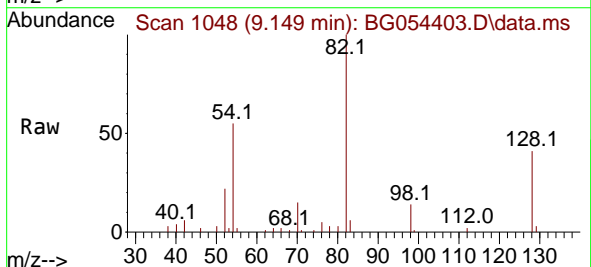
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	6.4	7.4	11.2#
68	3.9	4.9	7.3#

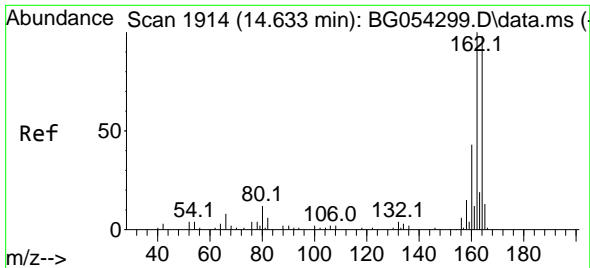


#23
 Nitrobenzene-d5
 Concen: 26.002 ng
 RT: 9.149 min Scan# 1048
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion: 82 Resp: 41962

Ion	Ratio	Lower	Upper
82	100		
128	40.8	27.9	41.9
54	55.5	41.2	61.8

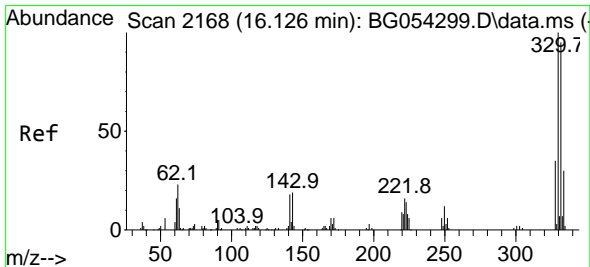
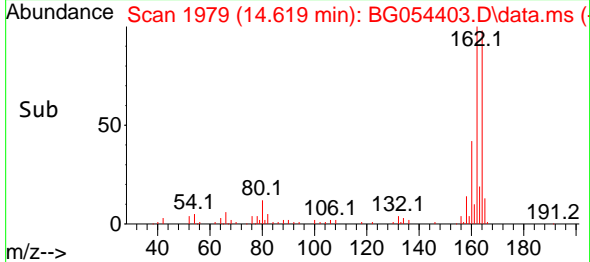
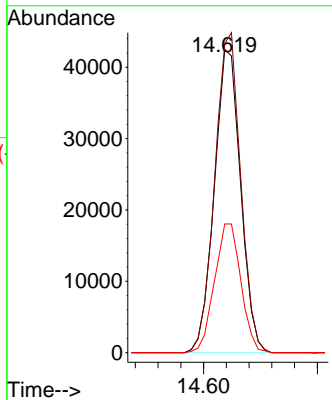
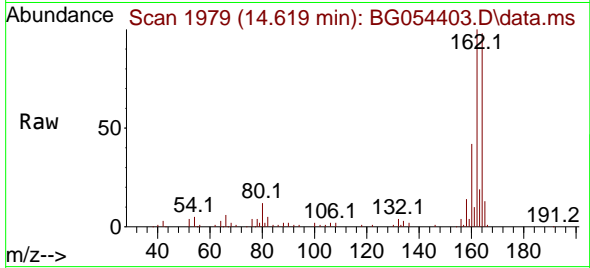




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.619 min Scan# 1914
 Delta R.T. -0.014 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

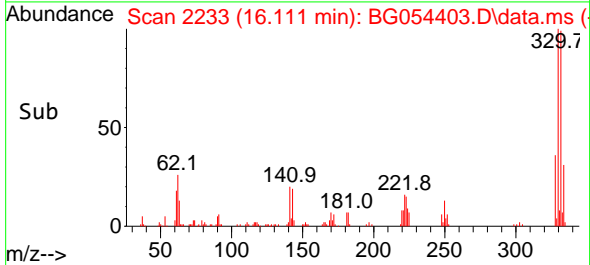
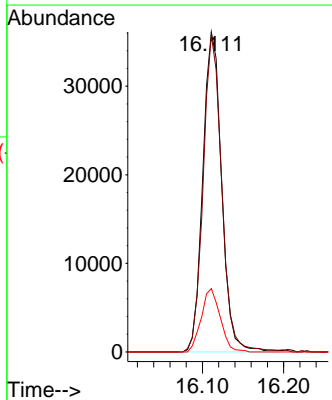
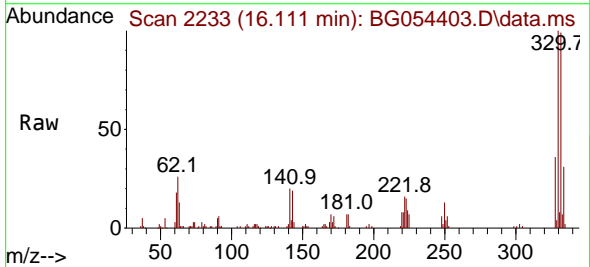
Instrument : BNA_G
 ClientSampleId : MH-189EDL

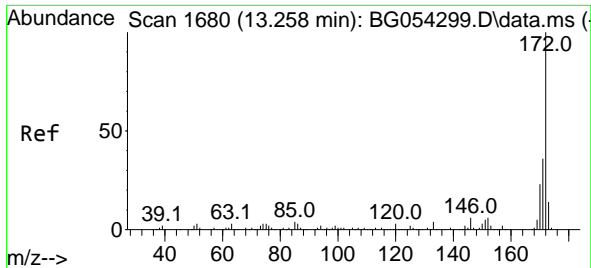
Tgt Ion	Resp	Lower	Upper
164	68063		
162	102.0	82.3	123.5
160	42.5	34.2	51.2



#42
 2,4,6-Tribromophenol
 Concen: 40.589 ng
 RT: 16.111 min Scan# 2233
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion	Resp	Lower	Upper
330	58004		
332	97.7	76.0	114.0
141	19.9	27.1	40.7#



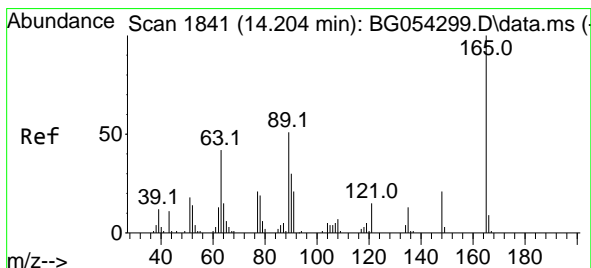
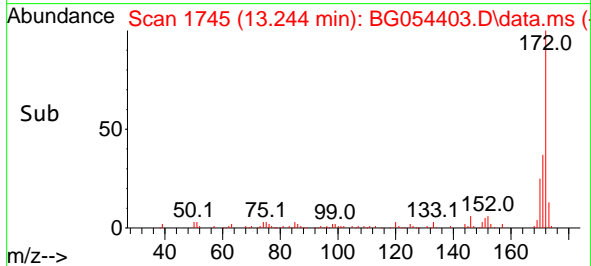
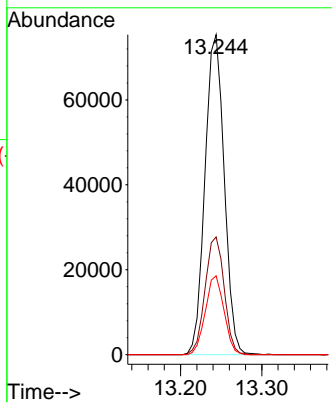
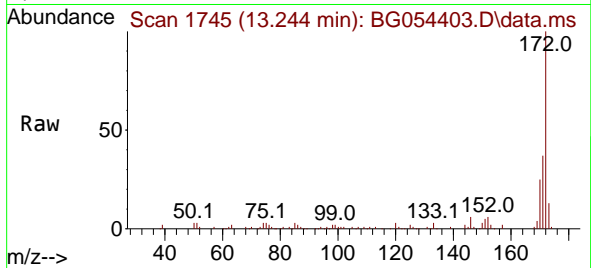


#45
 2-Fluorobiphenyl
 Concen: 25.667 ng
 RT: 13.244 min Scan# 11
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Tgt Ion:172 Resp: 123839

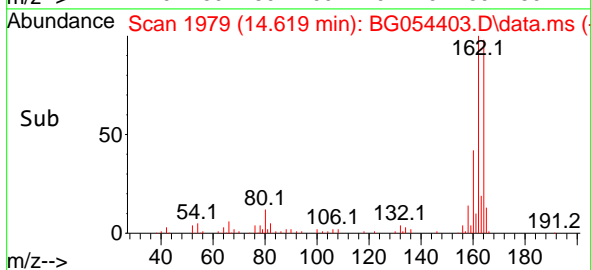
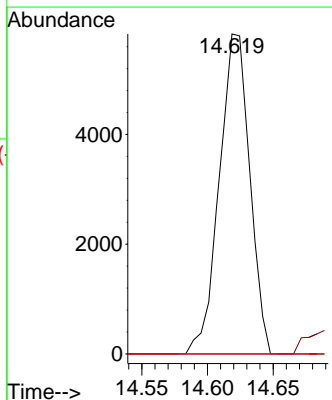
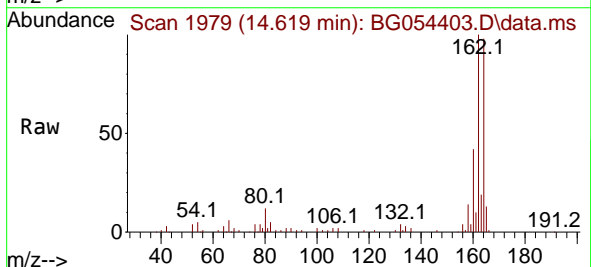
Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.5	42.7
170	24.6	18.9	28.3

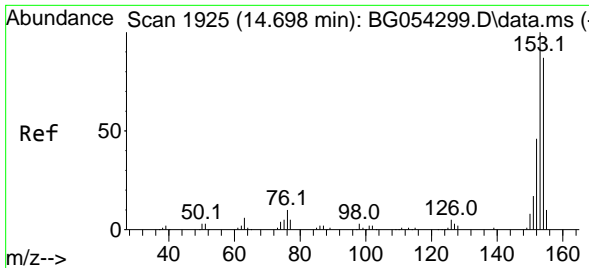


#51
 2,6-Dinitrotoluene
 Concen: 8.086 ng
 RT: 14.619 min Scan# 1979
 Delta R.T. 0.414 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:165 Resp: 9429

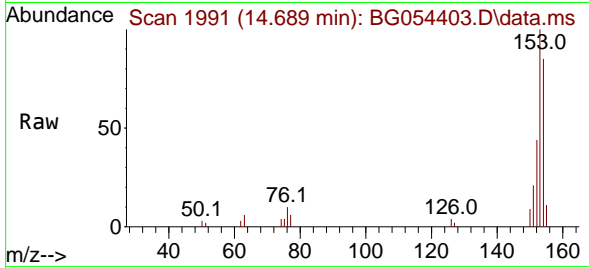
Ion	Ratio	Lower	Upper
165	100		
63	0.0	54.1	81.1#
89	0.0	54.8	82.2#



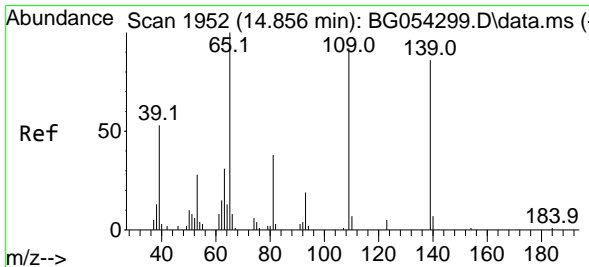
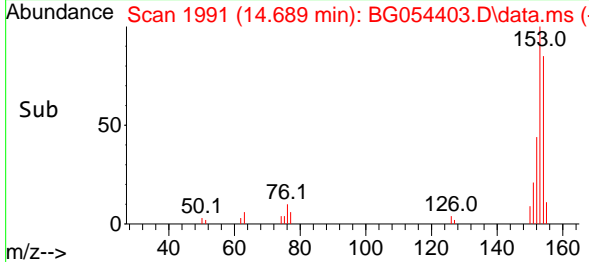
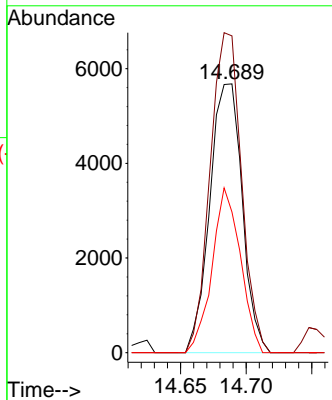


#52
 Acenaphthene
 Concen: 2.783 ng
 RT: 14.689 min Scan# 1925
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument : BNA_G
 ClientSampleId : MH-189EDL

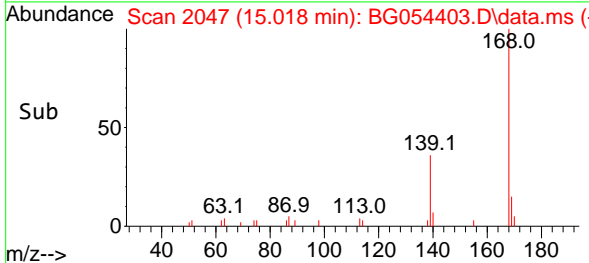
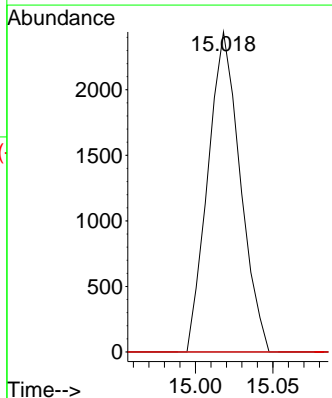
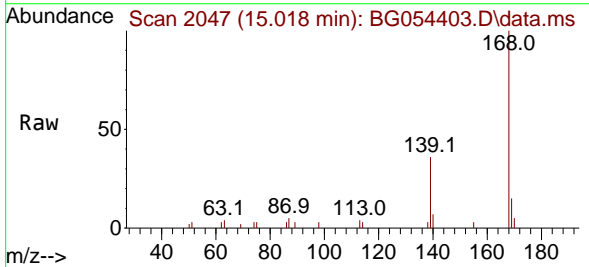


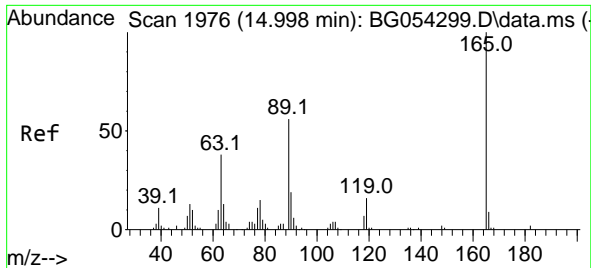
Tgt Ion:154 Resp: 9758
 Ion Ratio Lower Upper
 154 100
 153 117.9 92.7 139.1
 152 52.3 42.6 64.0



#56
 4-Nitrophenol
 Concen: 5.439 ng
 RT: 15.018 min Scan# 2047
 Delta R.T. 0.162 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:139 Resp: 3539
 Ion Ratio Lower Upper
 139 100
 109 0.0 88.5 128.5#
 65 0.0 93.9 133.9#

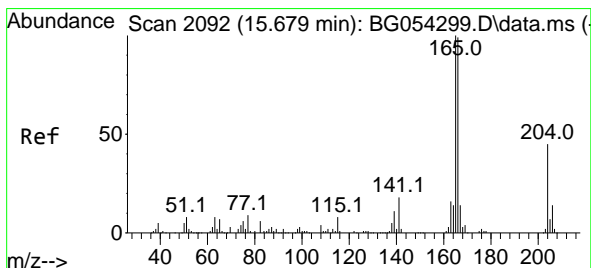
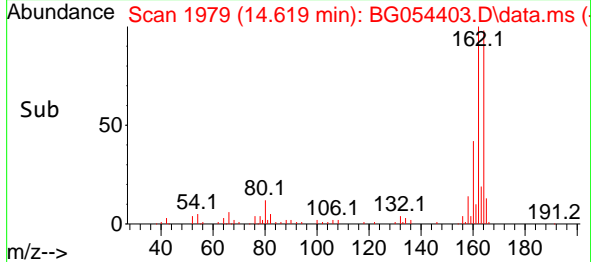
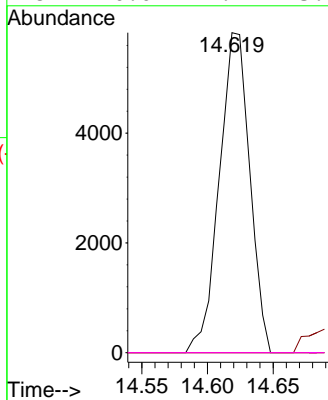
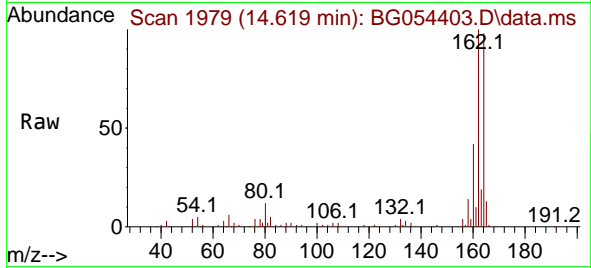




#57
 2,4-Dinitrotoluene
 Concen: 5.640 ng
 RT: 14.619 min Scan# 11
 Delta R.T. -0.379 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

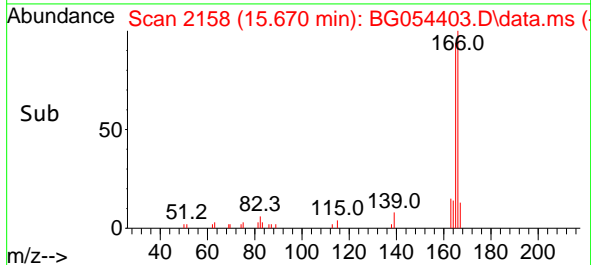
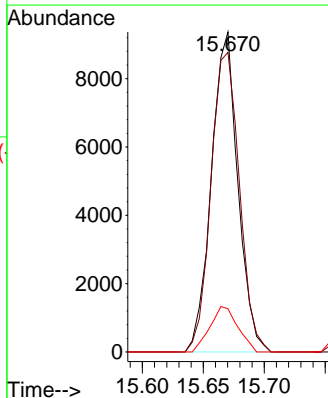
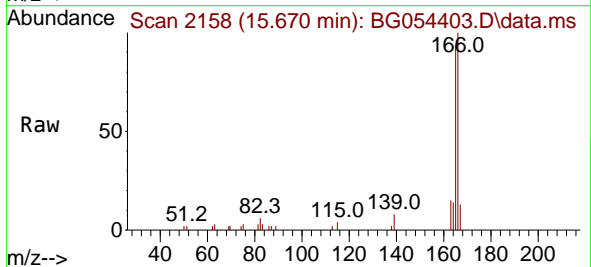
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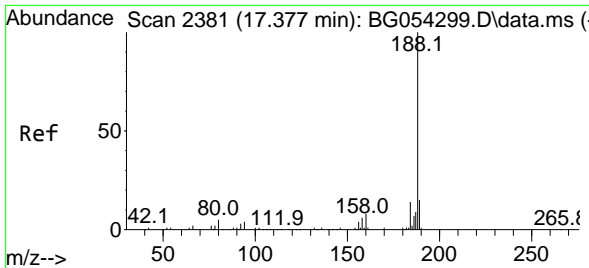
Tgt Ion	Resp	Lower	Upper
165	9429		
63	0.0	34.6	52.0#
89	0.0	60.3	90.5#
182	0.0	2.2	3.4#



#58
 Fluorene
 Concen: 2.769 ng
 RT: 15.670 min Scan# 2158
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

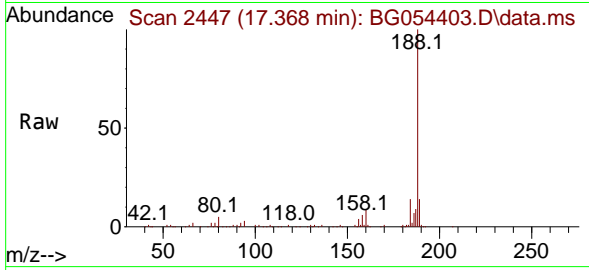
Tgt Ion	Resp	Lower	Upper
166	14201		
165	93.7	75.0	112.6
167	13.5	10.8	16.2





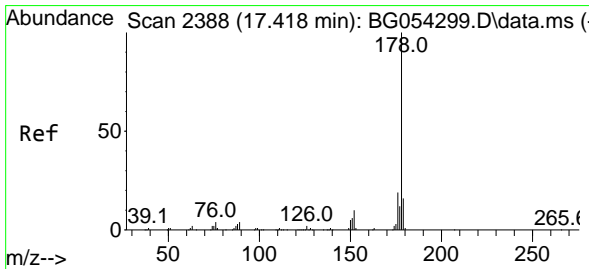
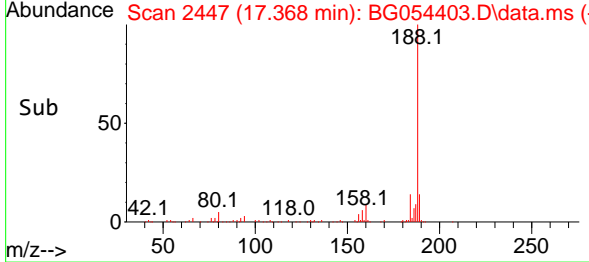
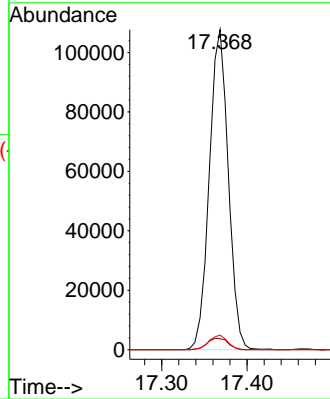
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.368 min Scan# 2447
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument : BNA_G
 ClientSampleId : MH-189EDL



Tgt Ion:188 Resp: 166397

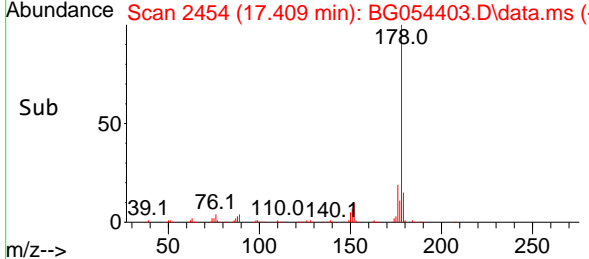
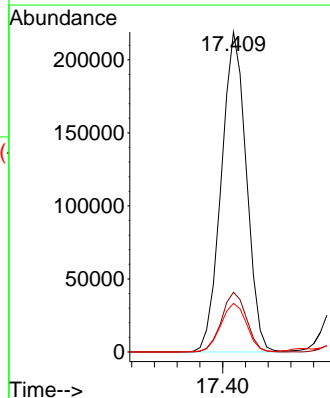
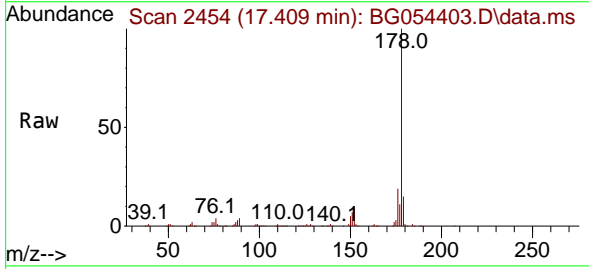
Ion	Ratio	Lower	Upper
188	100		
94	3.4	5.4	8.0#
80	4.6	6.8	10.2#

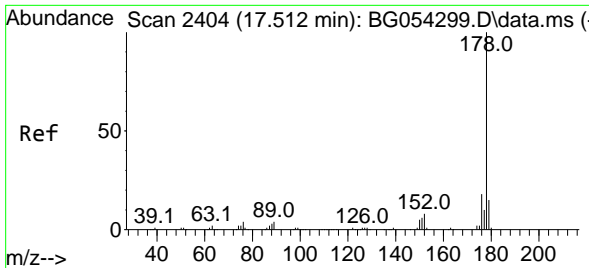


#71
 Phenanthrene
 Concen: 40.381 ng
 RT: 17.409 min Scan# 2454
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:178 Resp: 334620

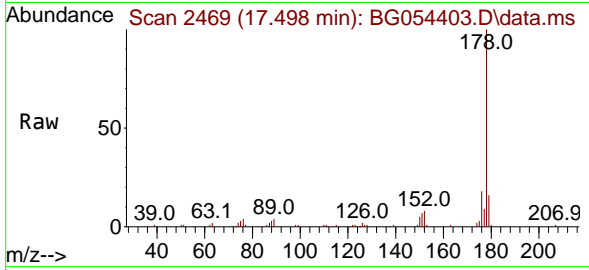
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.1	21.1
179	15.2	12.1	18.1



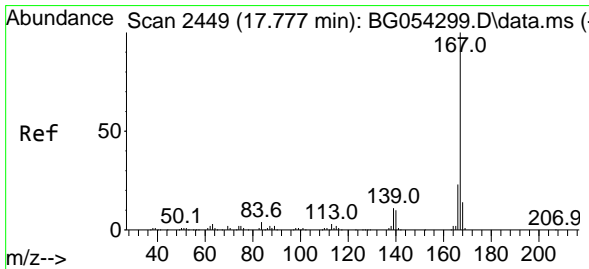
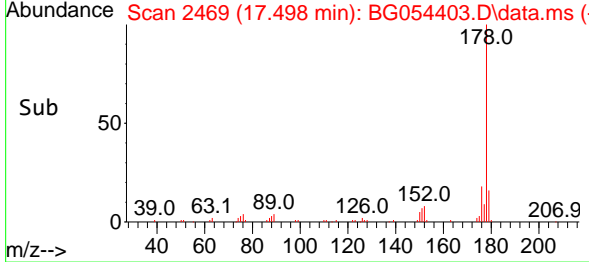
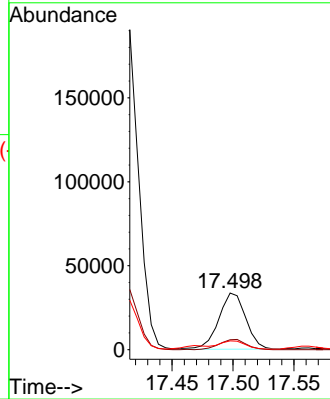


#72
 Anthracene
 Concen: 6.336 ng
 RT: 17.498 min Scan# 24
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

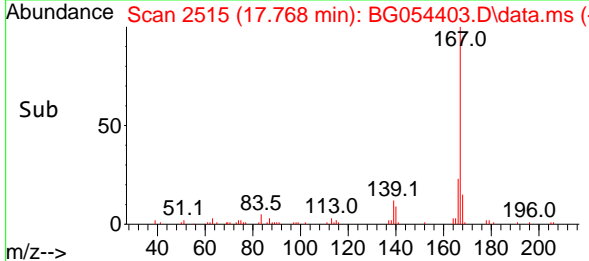
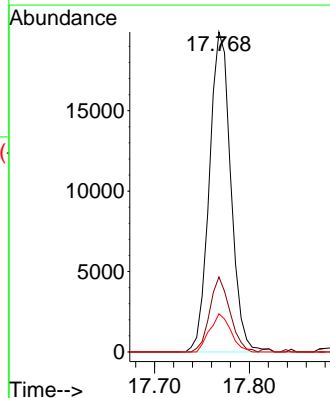
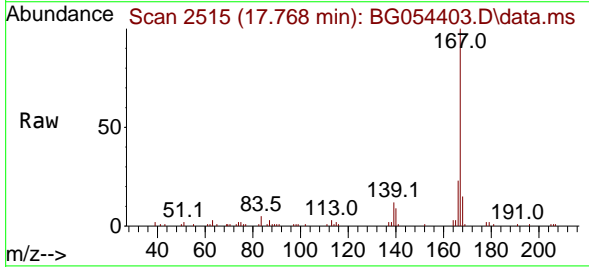


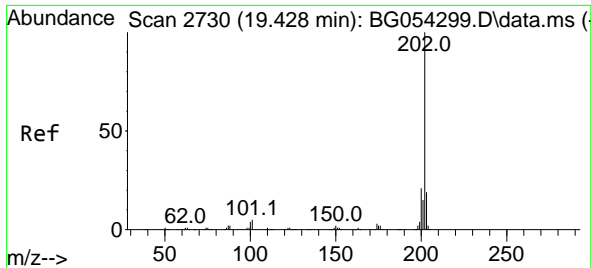
Tgt Ion:178 Resp: 51524
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.2 22.8
 179 15.6 13.0 19.4



#73
 Carbazole
 Concen: 4.661 ng
 RT: 17.768 min Scan# 2515
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:167 Resp: 31207
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.2 27.2
 139 11.9 10.1 15.1

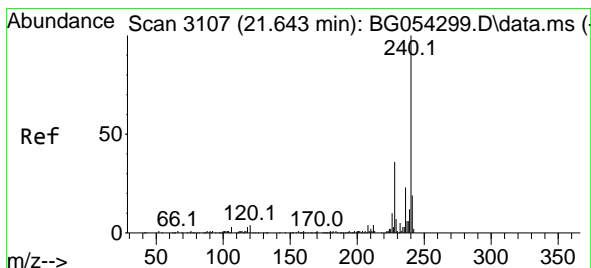
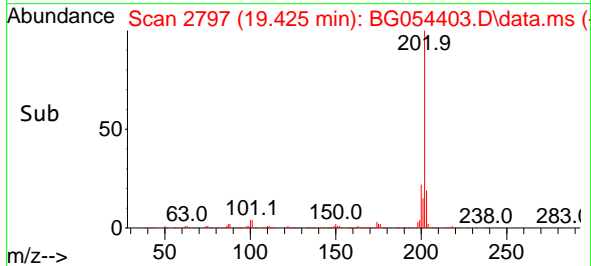
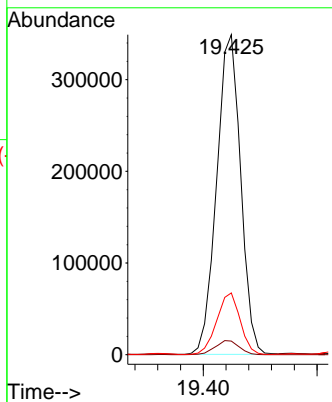
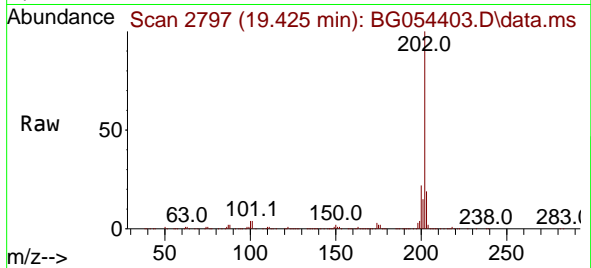




#75
 Fluoranthene
 Concen: 45.197 ng
 RT: 19.425 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

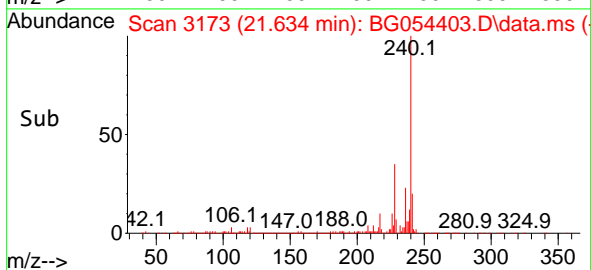
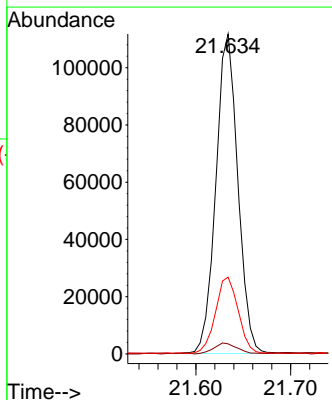
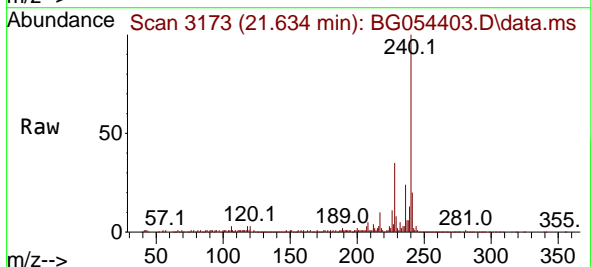
Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

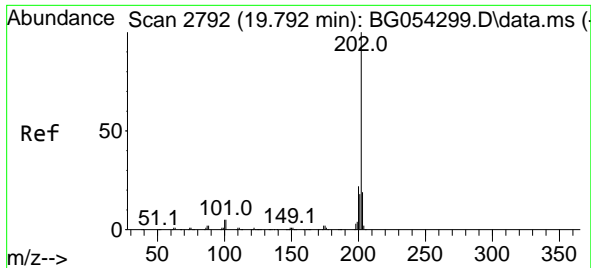
Tgt Ion	Resp	Lower	Upper
202	100		
101	4.3	0.0	26.9
203	19.3	0.0	37.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.634 min Scan# 3173
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion	Resp	Lower	Upper
240	100		
120	3.2	4.6	7.0#
236	24.0	20.2	30.4

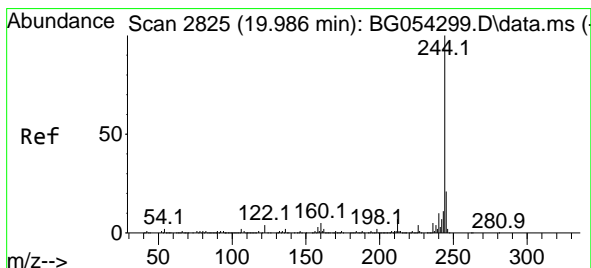
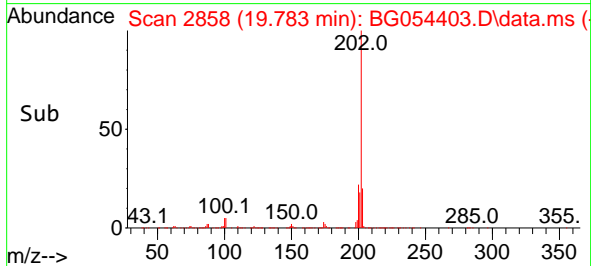
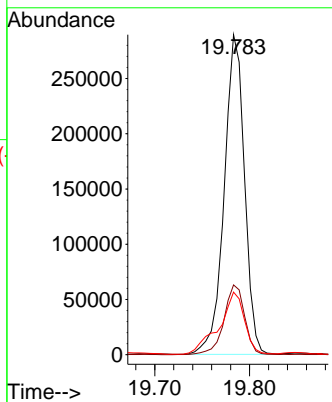
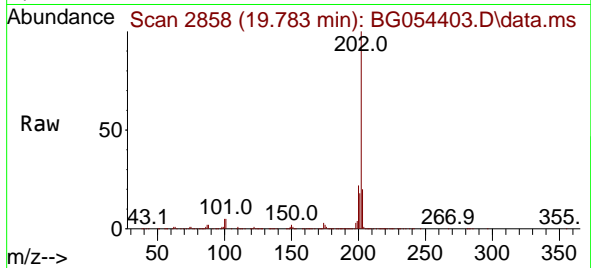




#78
 Pyrene
 Concen: 41.940 ng
 RT: 19.783 min Scan# 2810
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

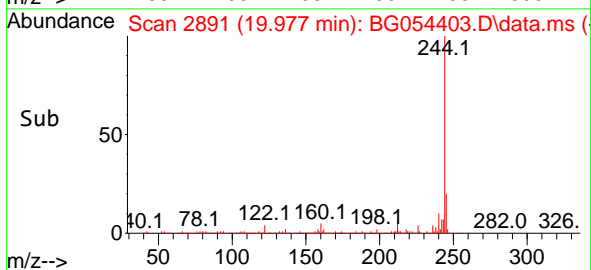
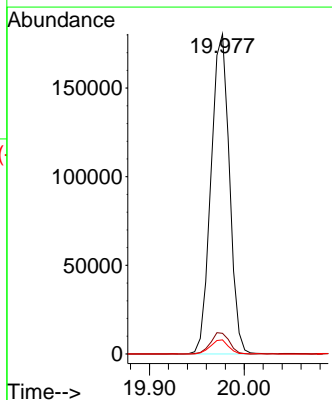
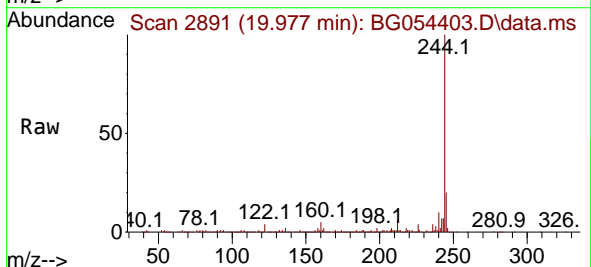
Instrument : BNA_G
 ClientSampleId : MH-189EDL

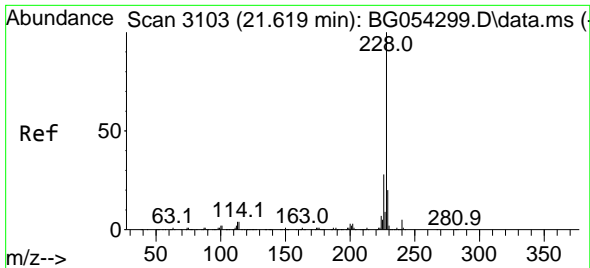
Tgt Ion	Resp	Ion Ratio	Lower	Upper
202	431765	100		
200		21.8	16.6	24.8
203		19.5	14.6	21.8



#79
 Terphenyl-d14
 Concen: 26.915 ng
 RT: 19.977 min Scan# 2891
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion	Resp	Ion Ratio	Lower	Upper
244	243419	100		
212		6.4	6.5	9.7#
122		4.4	5.0	7.4#

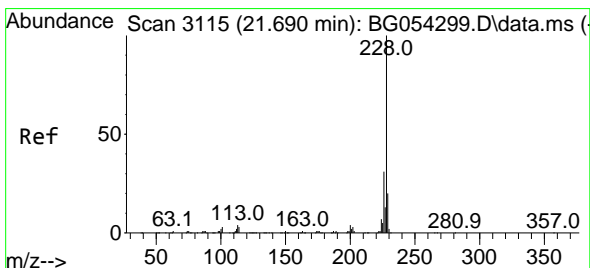
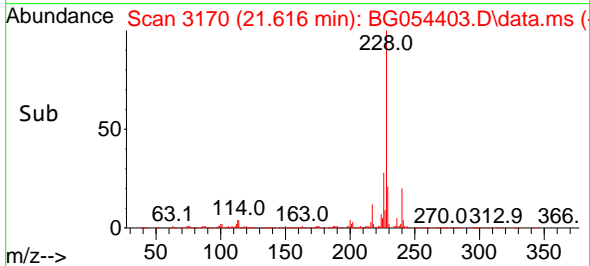
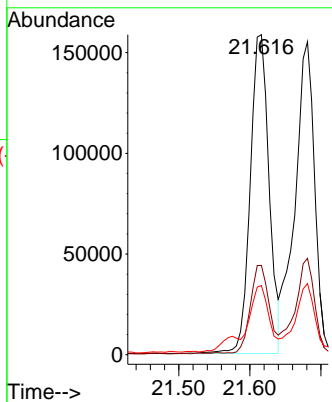
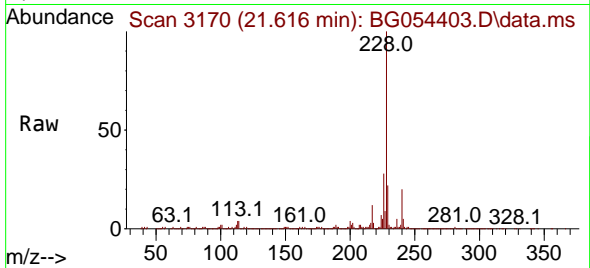




#81
 Benzo(a)anthracene
 Concen: 25.628 ng
 RT: 21.616 min Scan# 3110
 Delta R.T. -0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

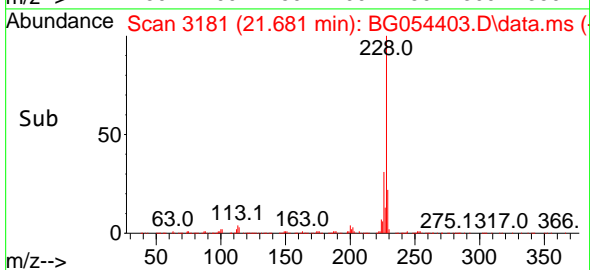
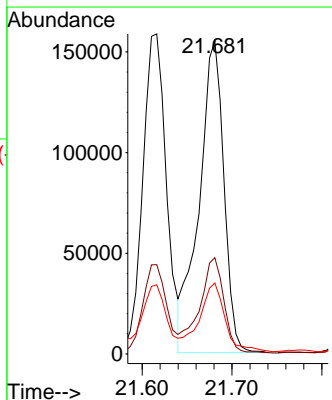
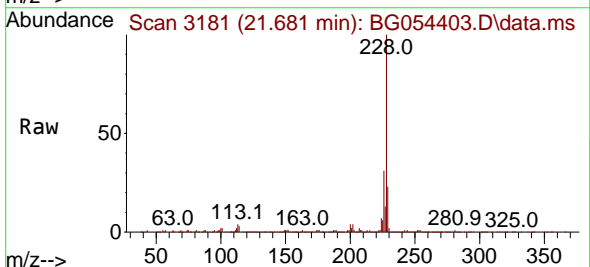
Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

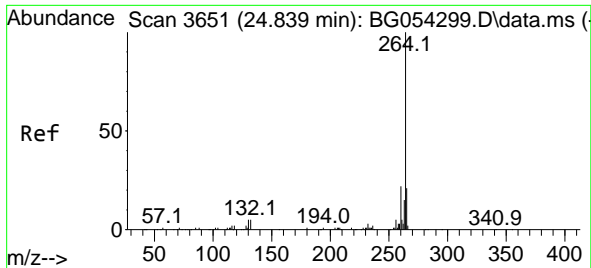
Tgt Ion:228 Resp: 291885
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 21.6 16.2 24.2



#83
 Chrysene
 Concen: 27.641 ng
 RT: 21.681 min Scan# 3181
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:228 Resp: 297425
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.4 35.2
 229 22.7 15.5 23.3

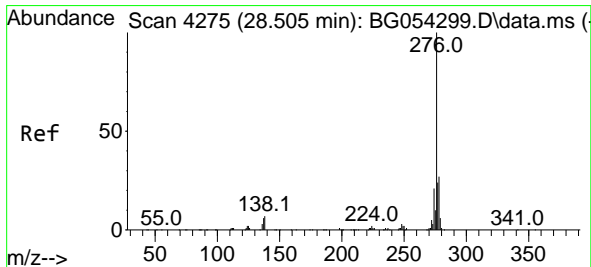
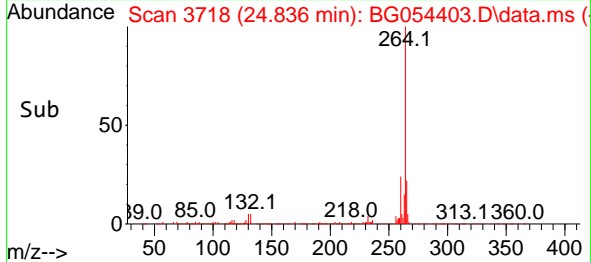
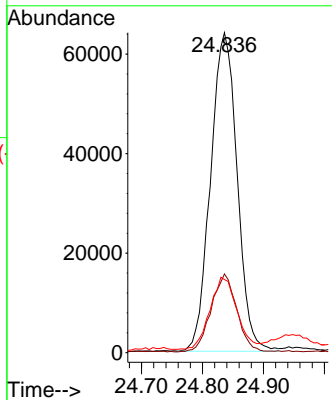
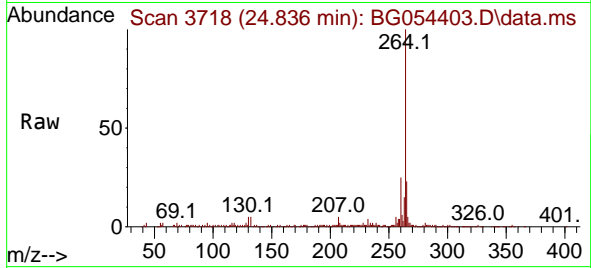




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.836 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

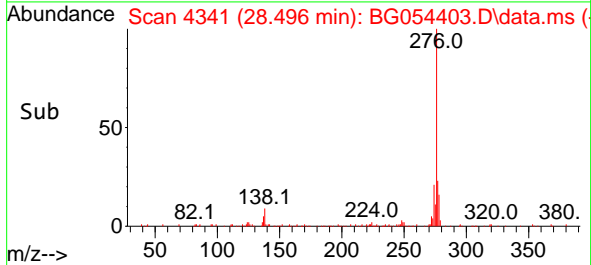
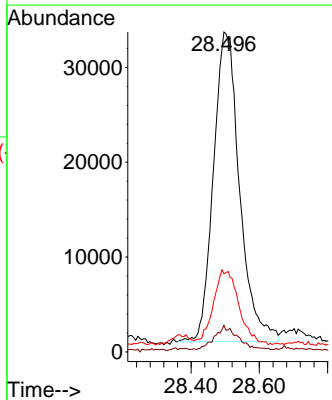
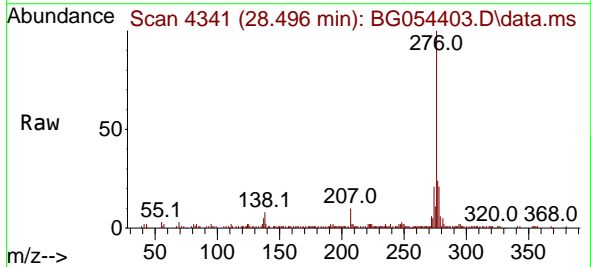
Instrument : BNA_G
 ClientSampleId : MH-189EDL

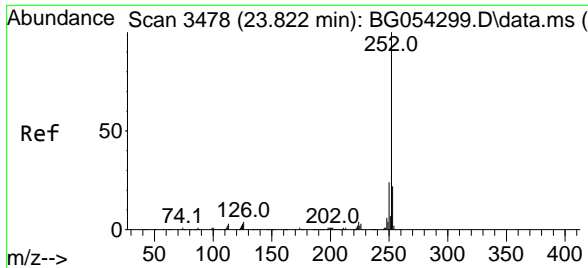
Tgt Ion	Resp	Lower	Upper
264	194107	100	100
260	24.6	19.0	28.6
265	22.8	17.4	26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.789 ng
 RT: 28.496 min Scan# 4341
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion	Resp	Lower	Upper
276	174084	100	100
138	6.7	5.0	7.4
277	23.6	20.3	30.5



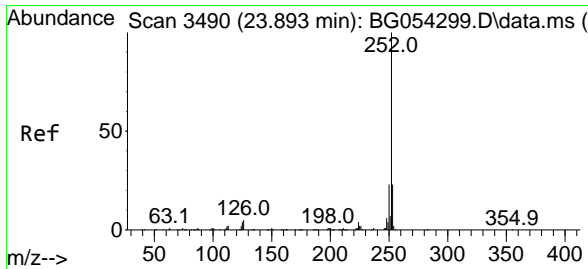
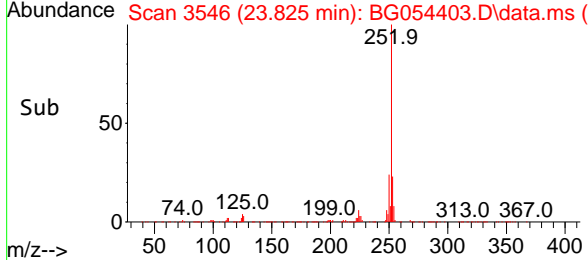
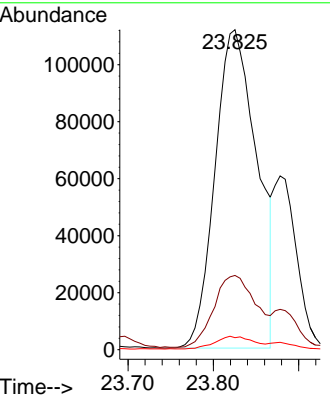
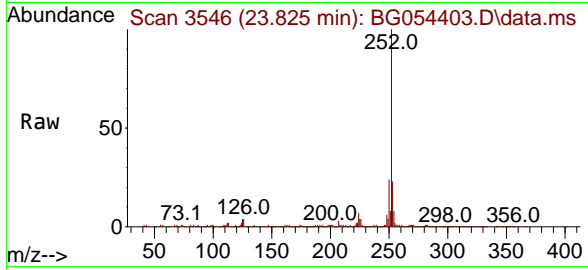


#88
 Benzo(b)fluoranthene
 Concen: 33.330 ng
 RT: 23.825 min Scan# 3546
 Delta R.T. 0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument : BNA_G
 ClientSampleId : MH-189EDL

Tgt Ion:252 Resp: 382601

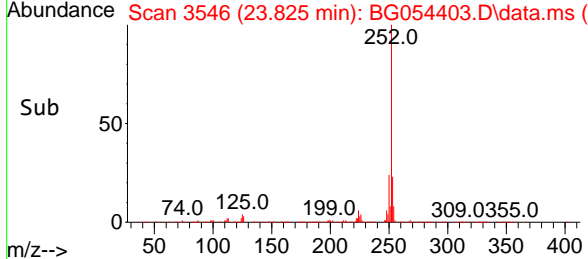
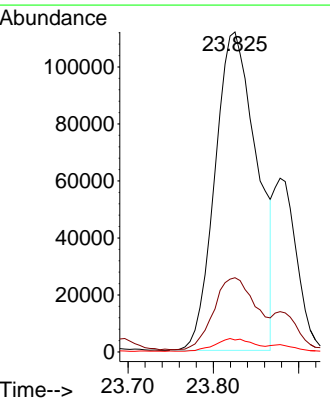
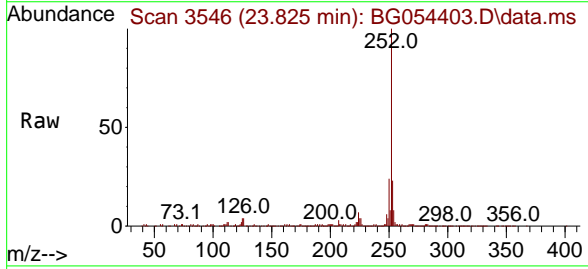
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	3.8	4.6	6.8#

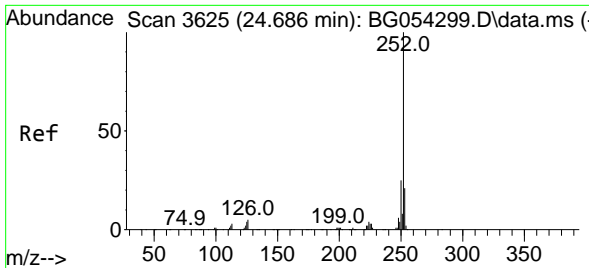


#89
 Benzo(k)fluoranthene
 Concen: 33.490 ng
 RT: 23.825 min Scan# 3546
 Delta R.T. -0.068 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion:252 Resp: 382601

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	3.8	4.8	7.2#



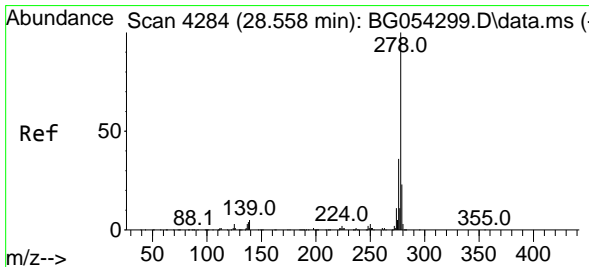
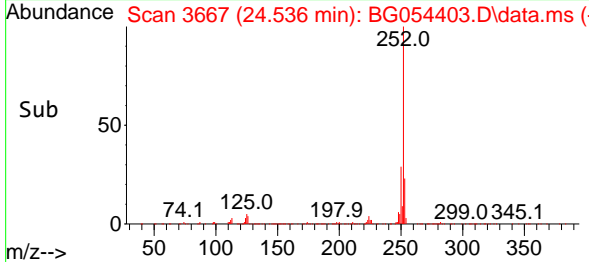
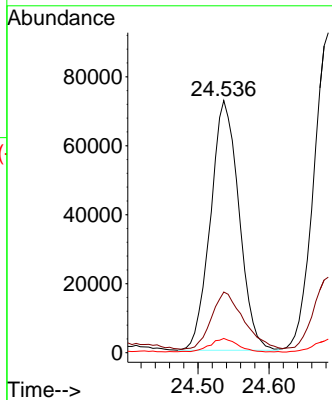
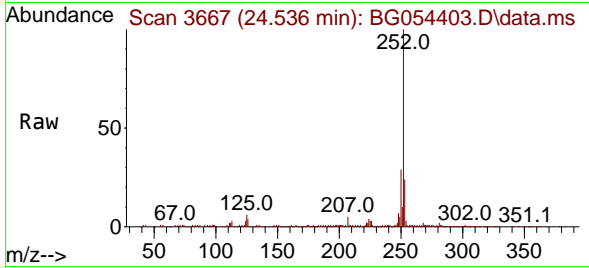


#90
 Benzo(a)pyrene
 Concen: 20.531 ng
 RT: 24.536 min Scan# 30
 Delta R.T. -0.150 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument : BNA_G
 ClientSampleId : MH-189EDL

Tgt Ion: 252 Resp: 201278

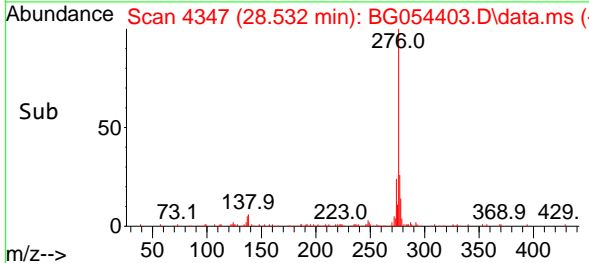
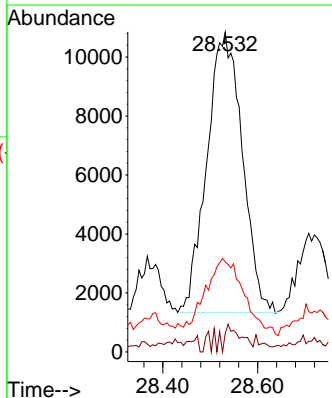
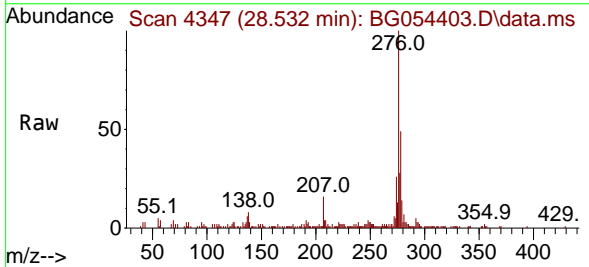
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	5.6	4.3	6.5

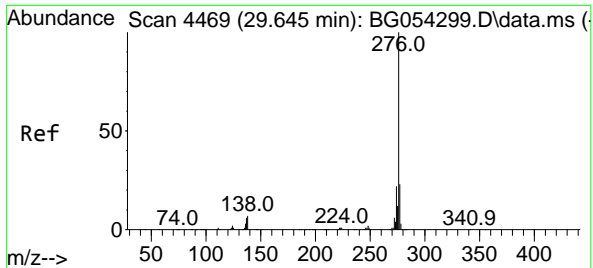


#91
 Dibenzo(a,h)anthracene
 Concen: 4.065 ng
 RT: 28.532 min Scan# 4347
 Delta R.T. -0.026 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Tgt Ion: 278 Resp: 49364

Ion	Ratio	Lower	Upper
278	100		
139	5.8	7.2	10.8#
279	28.1	18.6	27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 14.197 ng
 RT: 29.648 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Tgt Ion:276 Resp: 170141

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.3	25.9
138	7.9	9.6	14.4#

