

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110323\  
 Data File : BM042572.D  
 Acq On : 03 Nov 2023 16:11  
 Operator : MA/JU  
 Sample : 05172-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

Quant Time: Nov 03 16:48:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:52:20 2023  
 Response via : Initial Calibration

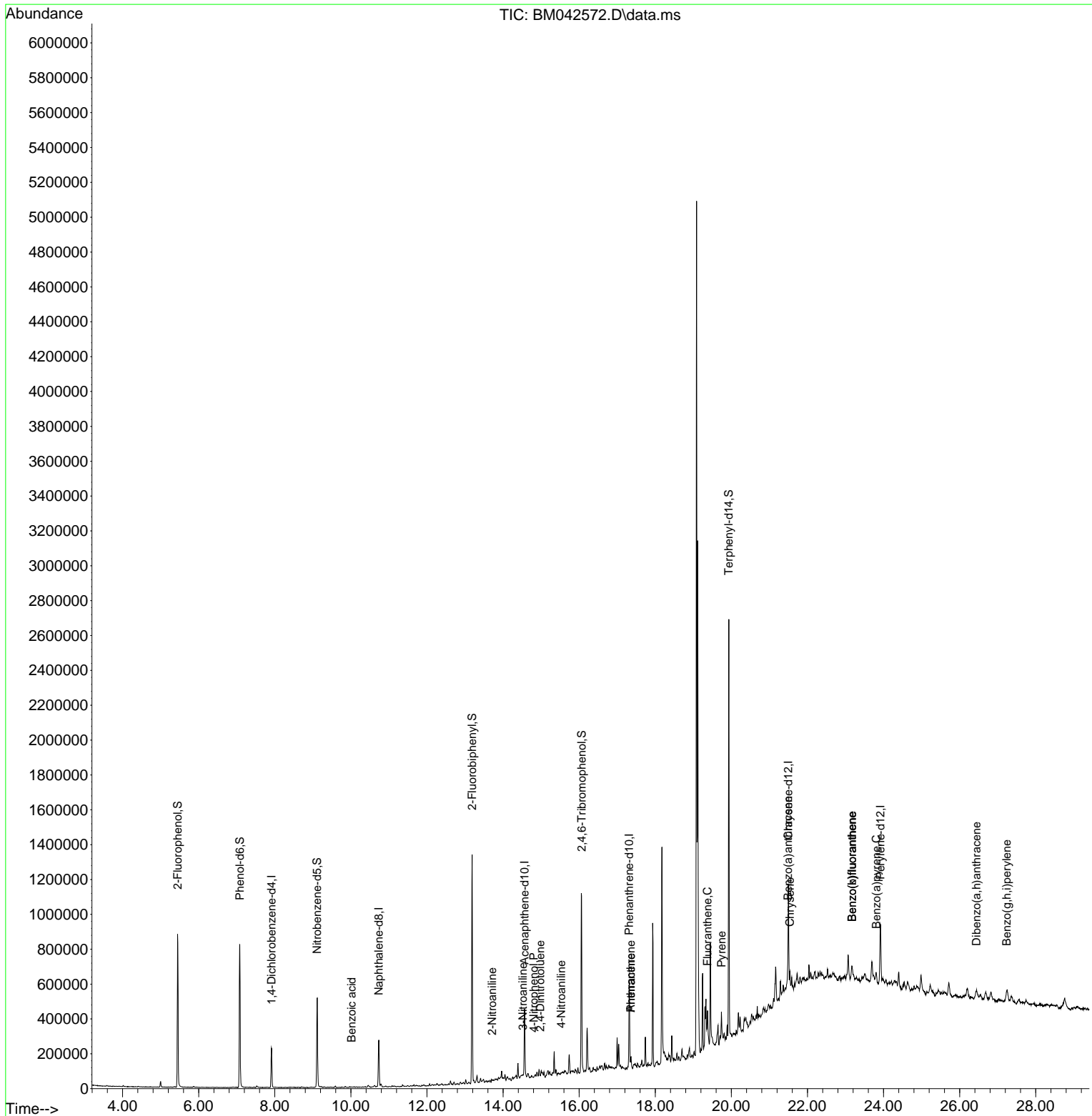
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	52266	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	195125	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	122814	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	266269	20.000	ng	0.00
76) Chrysene-d12	21.497	240	255065	20.000	ng	0.00
86) Perylene-d12	23.915	264	272161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	313940	96.939	ng	0.00
7) Phenol-d6	7.081	99	394429	88.805	ng	0.00
23) Nitrobenzene-d5	9.110	82	279091	66.676	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	167092	104.208	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	571342	62.599	ng	0.00
79) Terphenyl-d14	19.933	244	985126	65.489	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.016	122	54	4.132	ng	# 88
48) 2-Nitroaniline	13.710	65	549	4.530	ng	# 13
53) 3-Nitroaniline	14.521	138	62	4.378	ng	# 26
56) 4-Nitrophenol	14.810	139	270	7.097	ng	# 1
57) 2,4-Dinitrotoluene	14.980	165	449	4.115	ng	# 32
62) 4-Nitroaniline	15.527	138	396	5.923	ng	92
71) Phenanthrene	17.357	178	35999	2.587	ng	98
72) Anthracene	17.357	178	35999	2.612	ng	97
75) Fluoranthene	19.374	202	84739	5.184	ng	95
78) Pyrene	19.739	202	93718	5.351	ng	97
81) Benzo(a)anthracene	21.486	228	47652	2.936	ng	# 95
83) Chrysene	21.539	228	61381	3.723	ng	# 91
88) Benzo(b)fluoranthene	23.174	252	67527	4.454	ng	# 85
89) Benzo(k)fluoranthene	23.174	252	67527	3.997	ng	# 86
90) Benzo(a)pyrene	23.809	252	43591	2.920	ng	# 86
91) Dibenzo(a,h)anthracene	26.444	278	7504	4.597	ng	# 28
92) Benzo(g,h,i)perylene	27.238	276	38356	2.687	ng	96

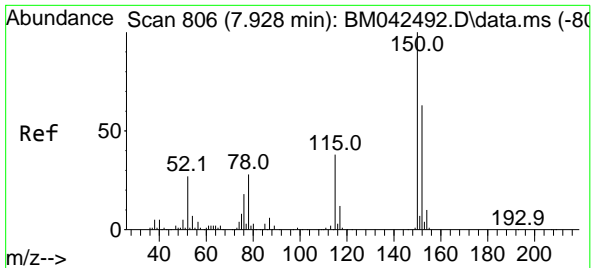
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110323\  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
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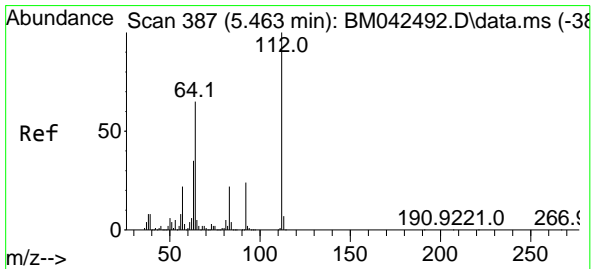
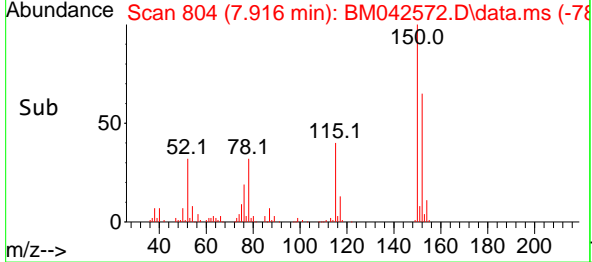
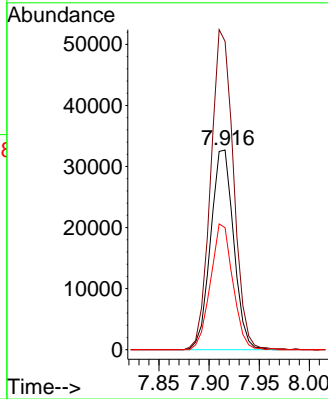
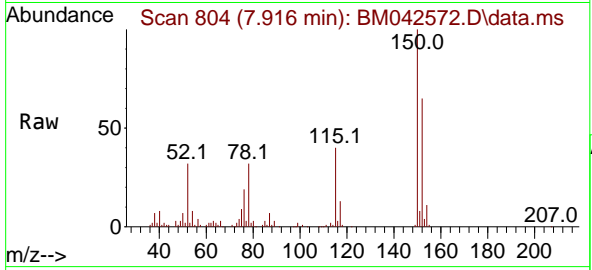




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.916 min Scan# 804  
 Delta R.T. 0.006 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

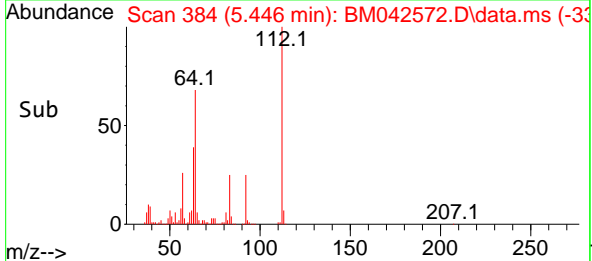
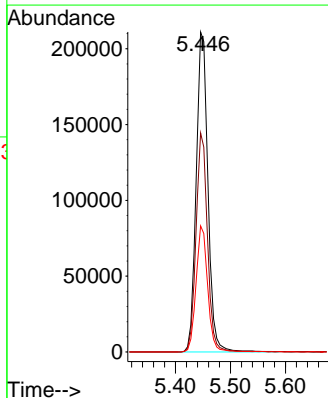
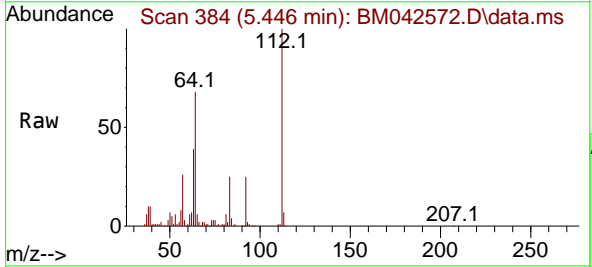
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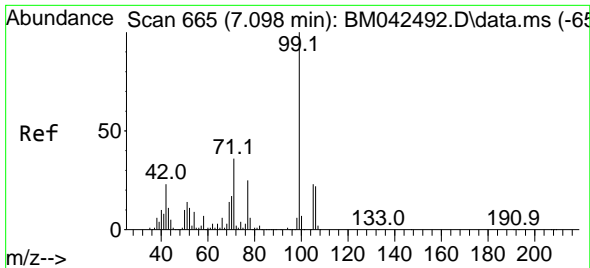
Tgt Ion:152 Resp: 52266  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 127.4 191.0  
 115 61.1 47.9 71.9



#5  
 2-Fluorophenol  
 Concen: 96.939 ng  
 RT: 5.446 min Scan# 384  
 Delta R.T. 0.005 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:112 Resp: 313940  
 Ion Ratio Lower Upper  
 112 100  
 64 68.5 52.1 78.1  
 63 39.4 28.3 42.5

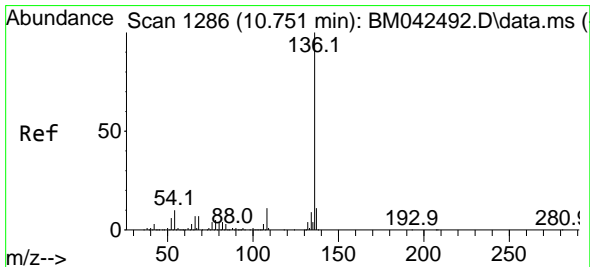
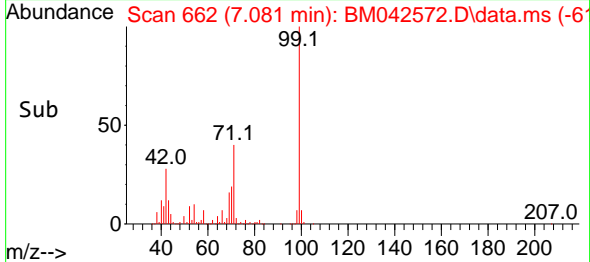
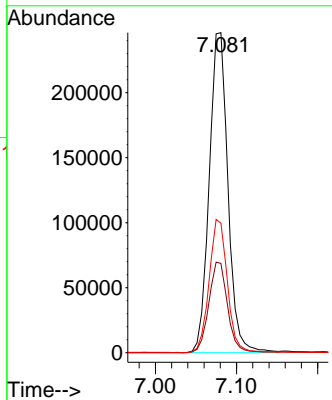
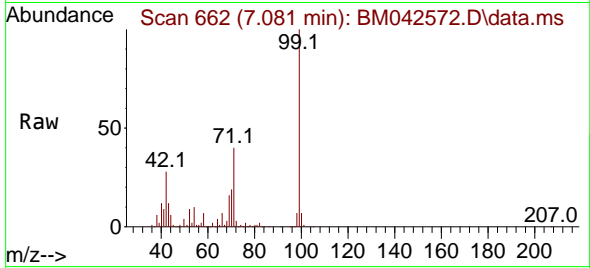




#7  
 Phenol-d6  
 Concen: 88.805 ng  
 RT: 7.081 min Scan# 60  
 Delta R.T. 0.006 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

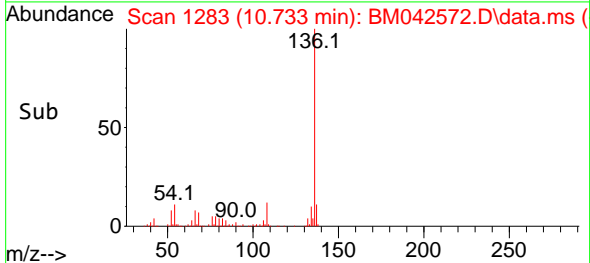
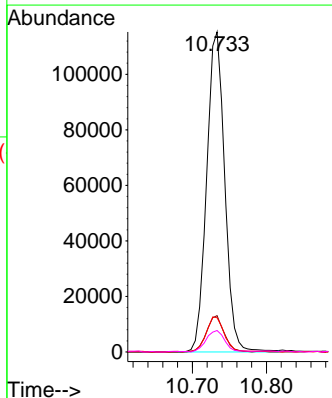
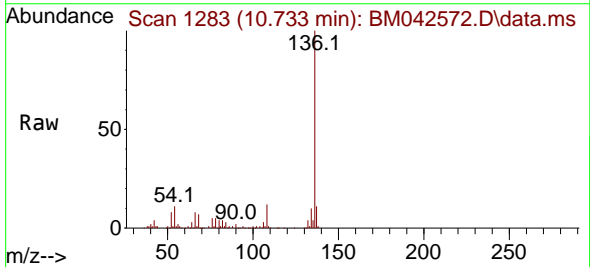
Instrument : BNA\_M  
 ClientSampleId : AU-05-103123

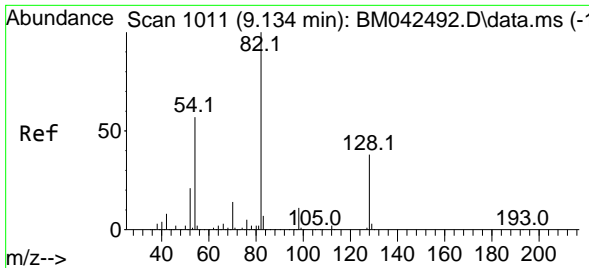
Tgt Ion	Resp	Lower	Upper
99	394429		
42	27.9	18.7	28.1
71	40.5	29.1	43.7



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.733 min Scan# 1283  
 Delta R.T. 0.005 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

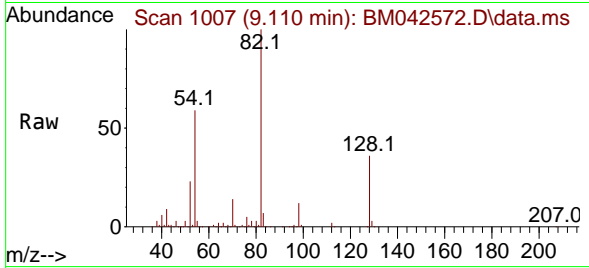
Tgt Ion	Resp	Lower	Upper
136	195125		
137	11.3	9.0	13.6
54	10.7	8.0	12.0
68	6.7	5.7	8.5



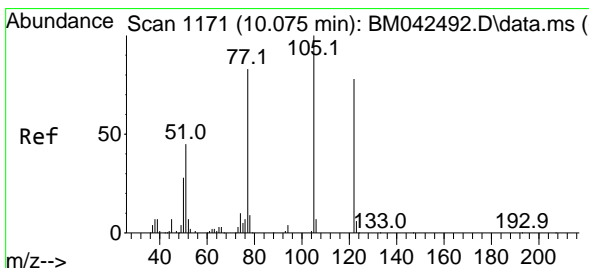
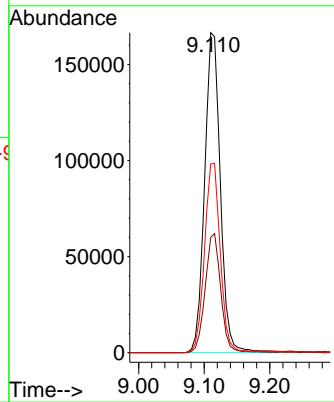
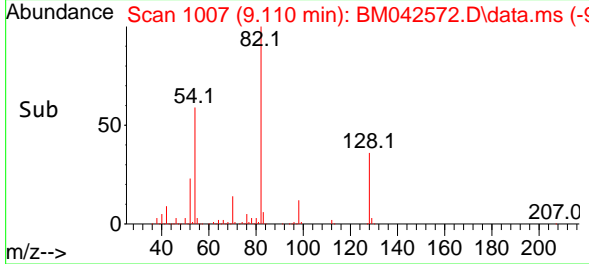


#23  
 Nitrobenzene-d5  
 Concen: 66.676 ng  
 RT: 9.110 min Scan# 1011  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

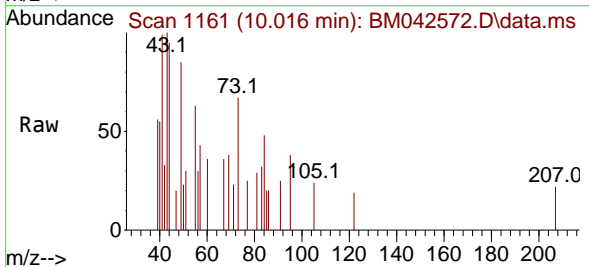
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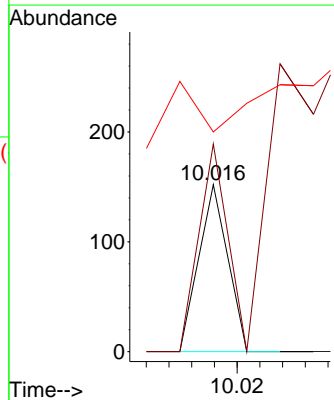
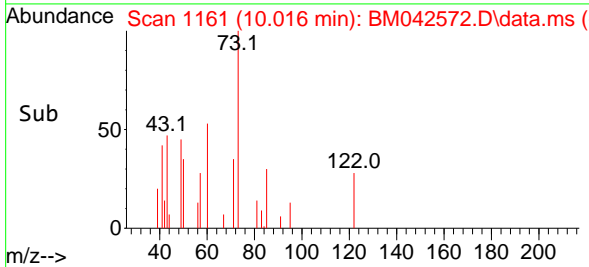
Tgt Ion: 82 Resp: 279091  
 Ion Ratio Lower Upper  
 82 100  
 128 36.1 30.7 46.1  
 54 59.0 45.3 67.9

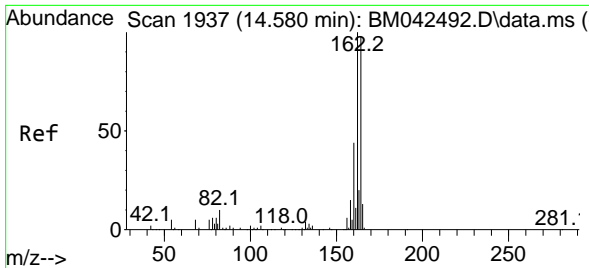


#32  
 Benzoic acid  
 Concen: 4.132 ng  
 RT: 10.016 min Scan# 1161  
 Delta R.T. -0.036 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11



Tgt Ion: 122 Resp: 54  
 Ion Ratio Lower Upper  
 122 100  
 105 124.3 105.2 145.2  
 77 131.6 84.8 124.8#

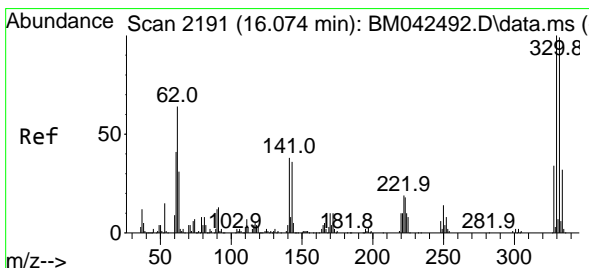
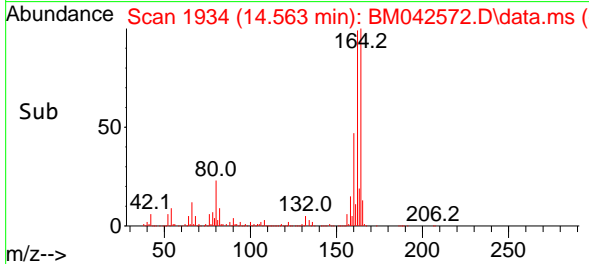
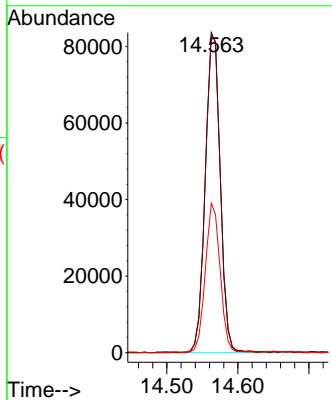
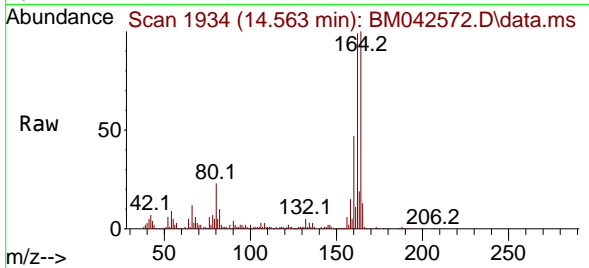




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.563 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

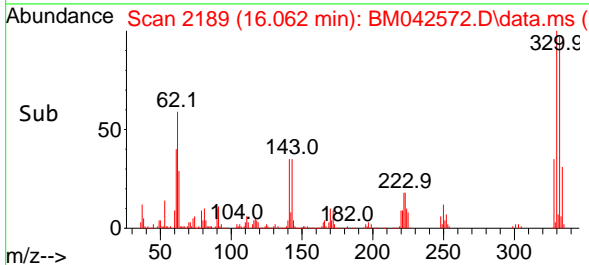
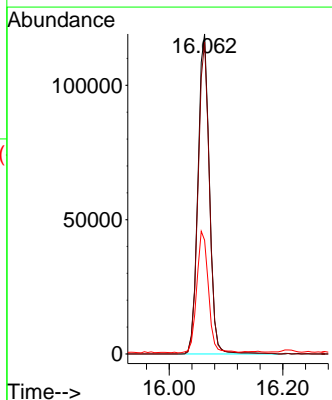
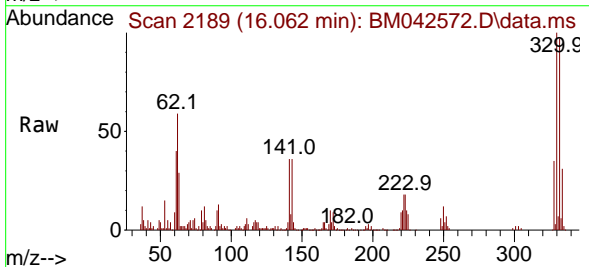
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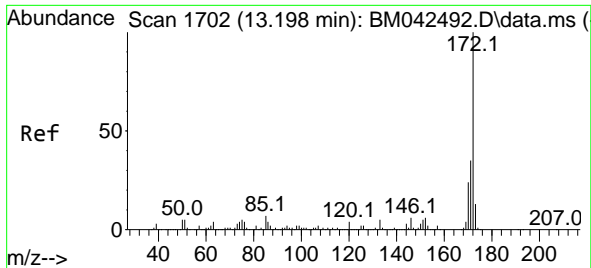
Tgt Ion:164 Resp: 122814  
 Ion Ratio Lower Upper  
 164 100  
 162 99.3 81.6 122.4  
 160 46.7 36.2 54.4



#42  
 2,4,6-Tribromophenol  
 Concen: 104.208 ng  
 RT: 16.062 min Scan# 2189  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:330 Resp: 167092  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 78.8 118.2  
 141 38.6 31.1 46.7

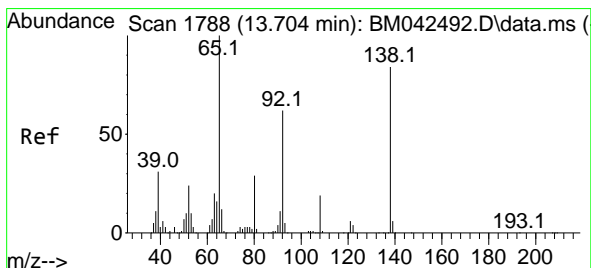
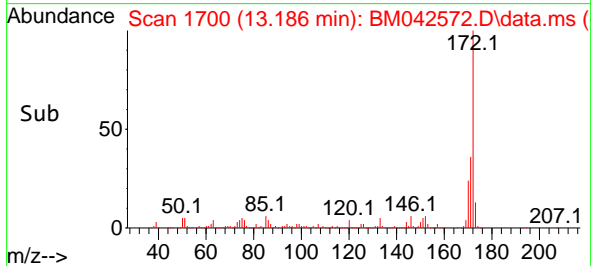
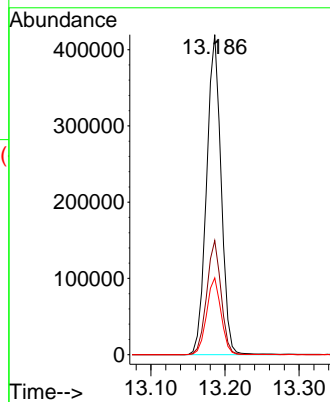
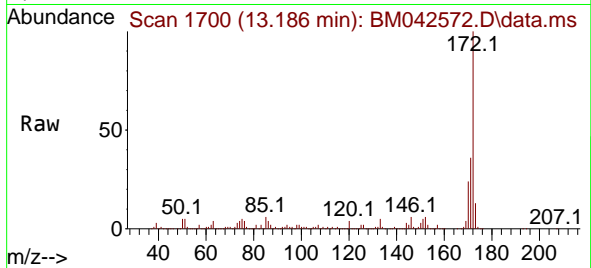




#45  
 2-Fluorobiphenyl  
 Concen: 62.599 ng  
 RT: 13.186 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

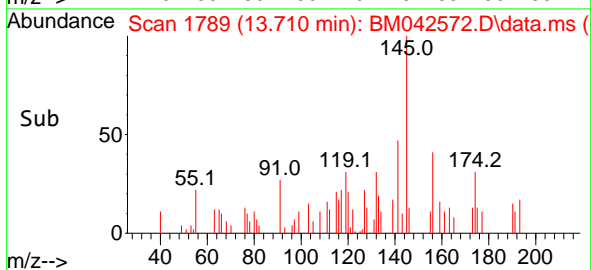
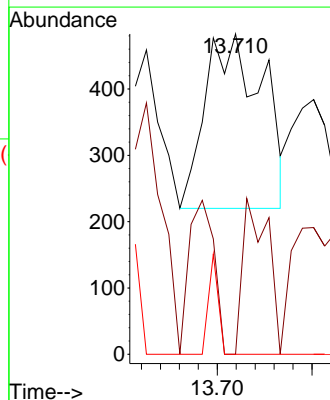
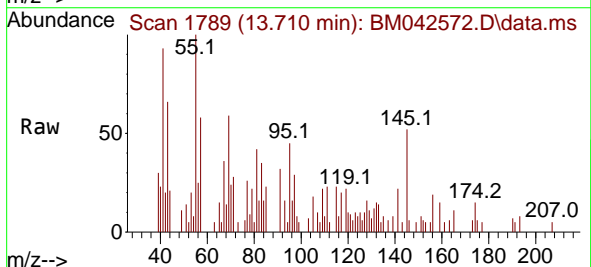
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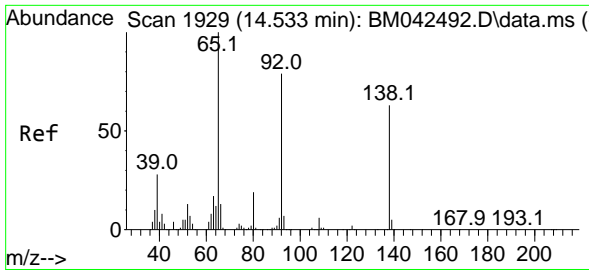
Tgt Ion:172 Resp: 571342  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.2 42.2  
 170 24.0 19.0 28.4



#48  
 2-Nitroaniline  
 Concen: 4.530 ng  
 RT: 13.710 min Scan# 1789  
 Delta R.T. 0.017 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion: 65 Resp: 549  
 Ion Ratio Lower Upper  
 65 100  
 92 0.0 49.4 74.2#  
 138 0.0 66.9 100.3#

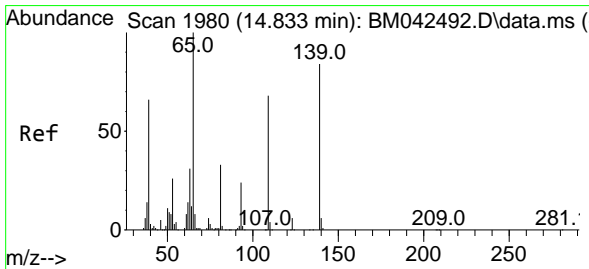
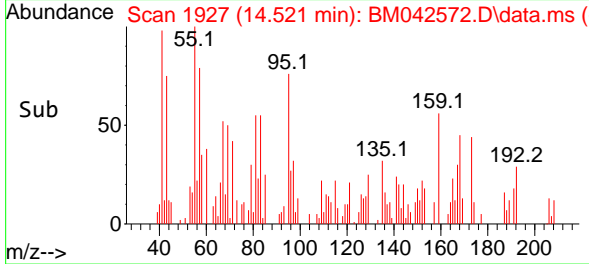
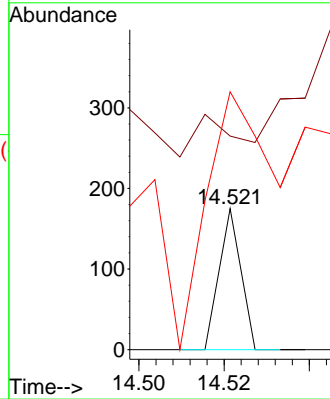
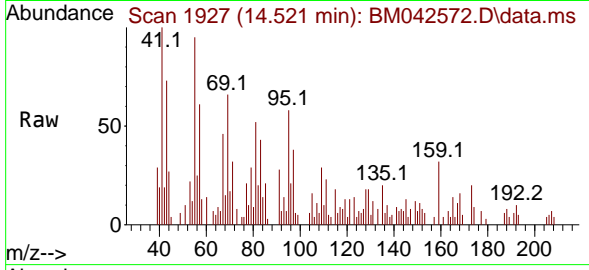




#53  
 3-Nitroaniline  
 Concen: 4.378 ng  
 RT: 14.521 min Scan# 1927  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

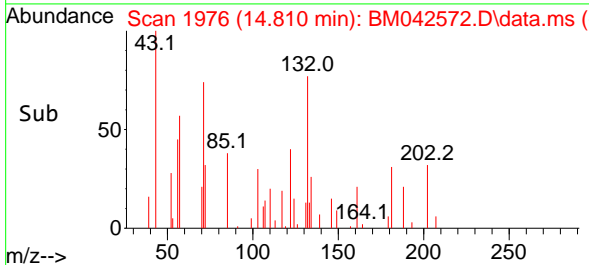
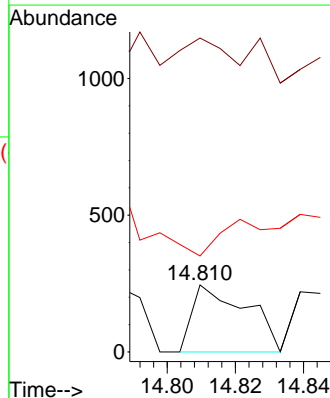
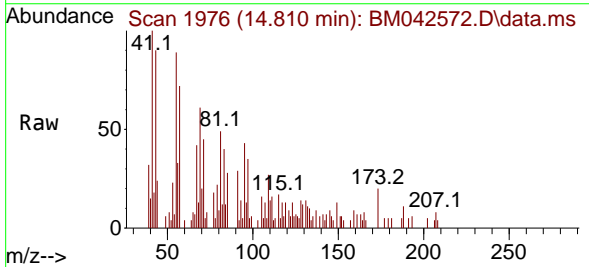
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 AU-05-103123

Tgt Ion:138 Resp: 62  
 Ion Ratio Lower Upper  
 138 100  
 108 151.4 7.9 11.9#  
 92 182.9 100.7 151.1#

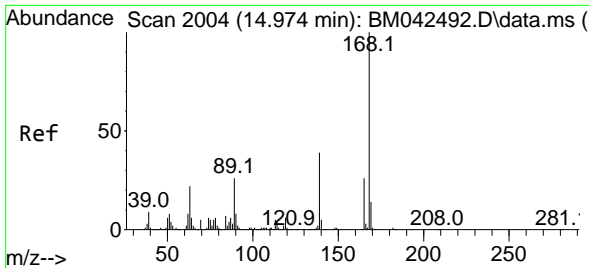


#56  
 4-Nitrophenol  
 Concen: 7.097 ng  
 RT: 14.810 min Scan# 1976  
 Delta R.T. -0.012 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:139 Resp: 270  
 Ion Ratio Lower Upper  
 139 100  
 109 468.6 61.3 101.3#  
 65 143.3 100.2 140.2#

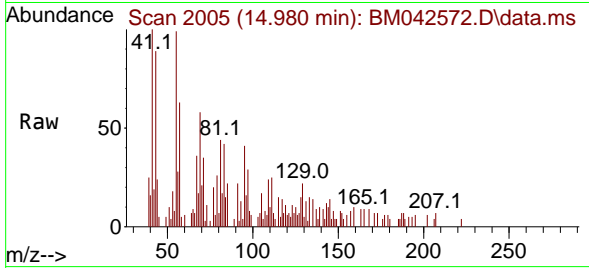




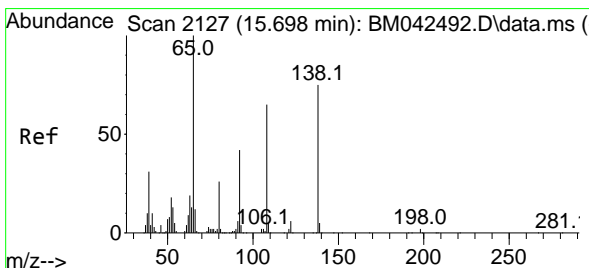
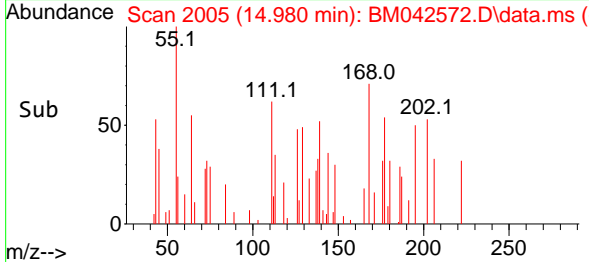
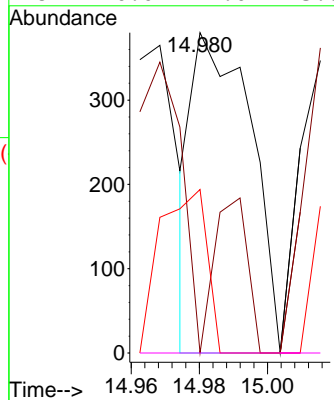


#57  
 2,4-Dinitrotoluene  
 Concen: 4.115 ng  
 RT: 14.980 min Scan# 2005  
 Delta R.T. 0.017 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

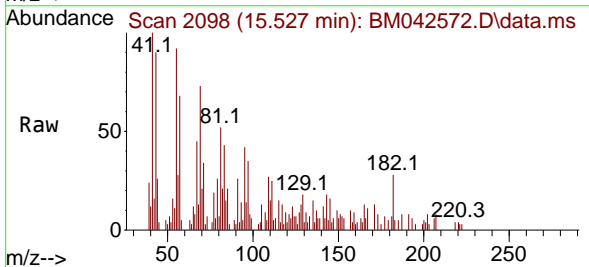
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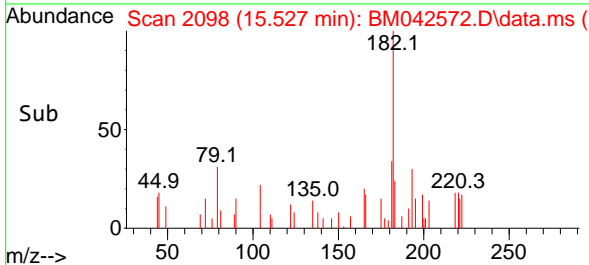
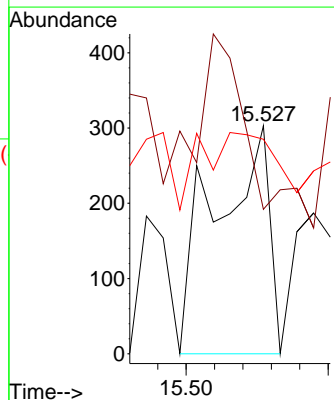
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 Ion Ratio Lower Upper  
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 89 51.1 80.2 120.4#  
 182 0.0 2.0 3.0#

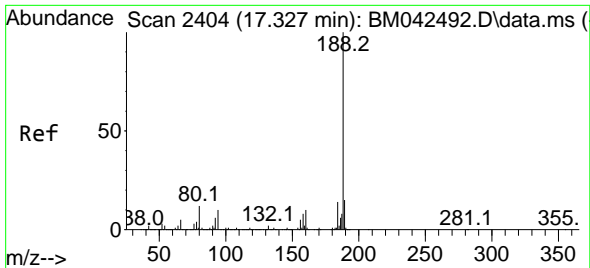


#62  
 4-Nitroaniline  
 Concen: 5.923 ng  
 RT: 15.527 min Scan# 2098  
 Delta R.T. -0.159 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11



Tgt Ion:138 Resp: 396  
 Ion Ratio Lower Upper  
 138 100  
 92 63.4 37.0 77.0  
 108 94.1 67.2 107.2





#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.315 min Scan# 2409  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :

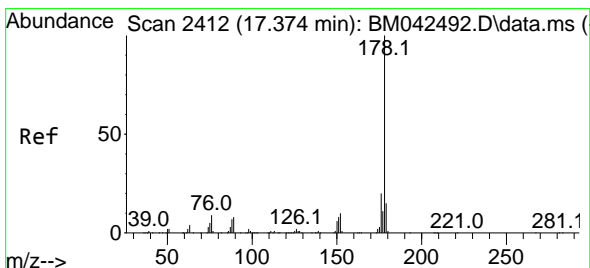
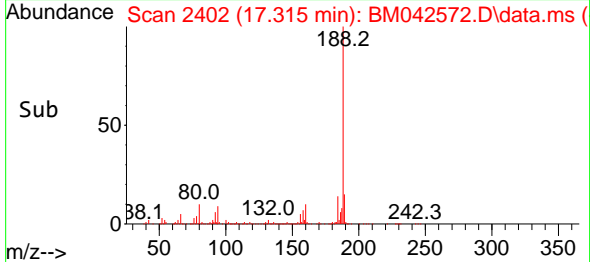
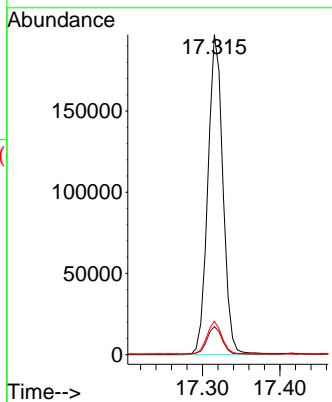
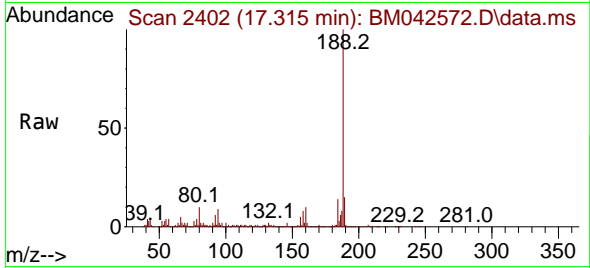
BNA\_M

ClientSampleId :

AU-05-103123

Tgt Ion:188 Resp: 266269

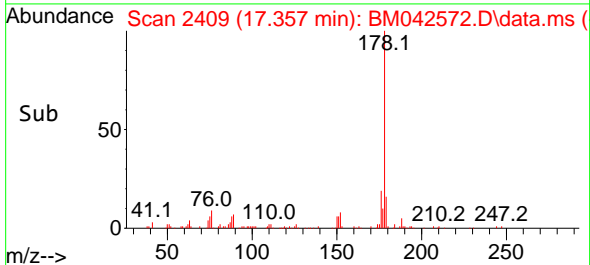
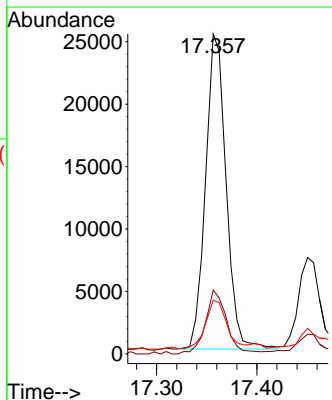
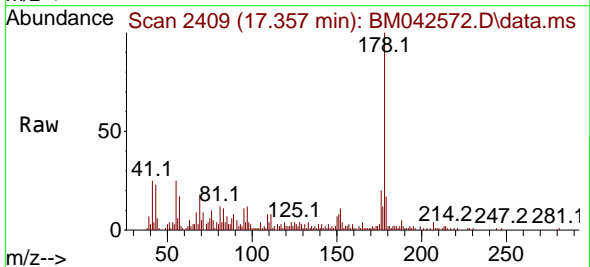
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	10.5	9.4	14.2

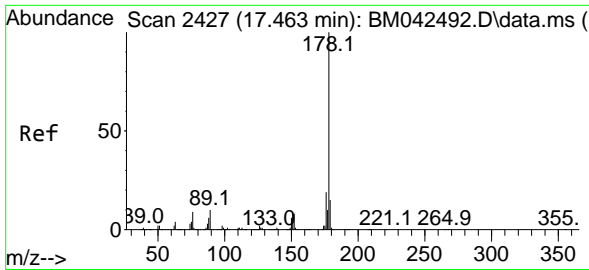


#71  
 Phenanthrene  
 Concen: 2.587 ng  
 RT: 17.357 min Scan# 2409  
 Delta R.T. -0.006 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:178 Resp: 35999

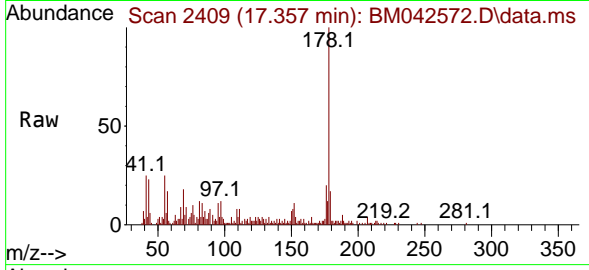
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.8	12.2	18.4



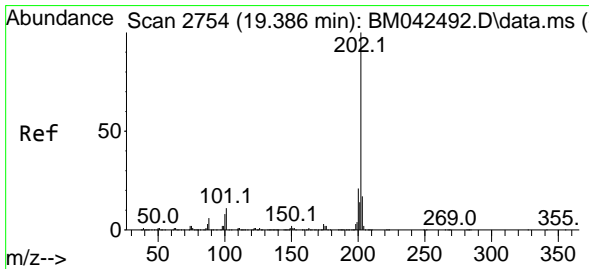
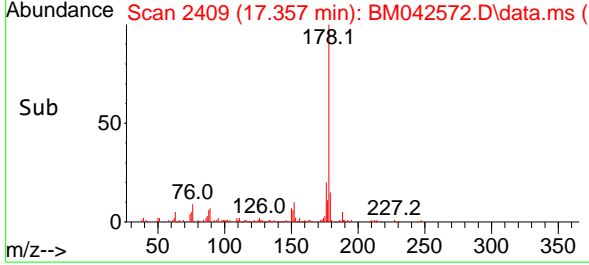
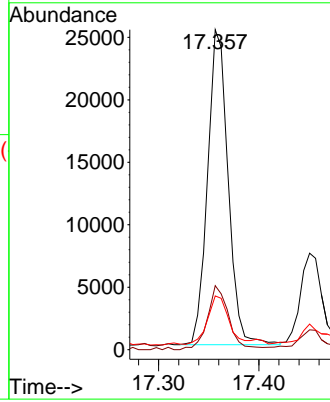


#72  
 Anthracene  
 Concen: 2.612 ng  
 RT: 17.357 min Scan# 24  
 Delta R.T. -0.094 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

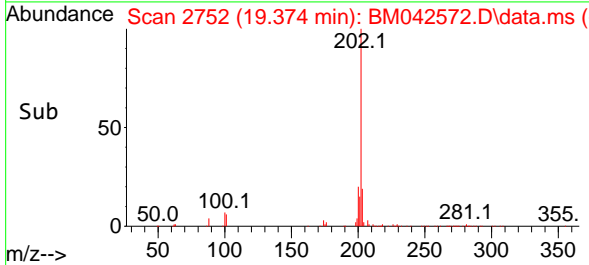
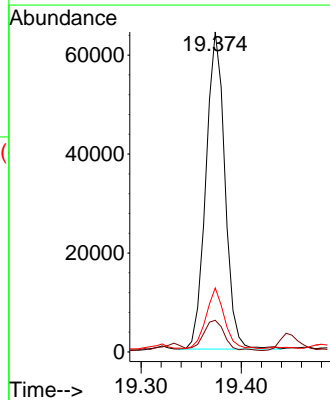
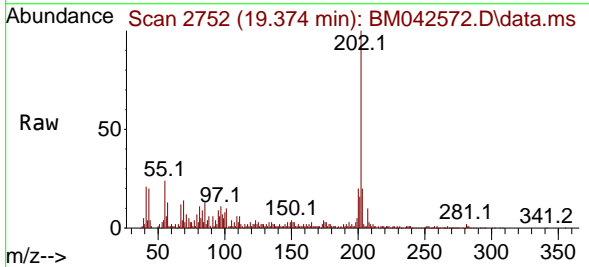


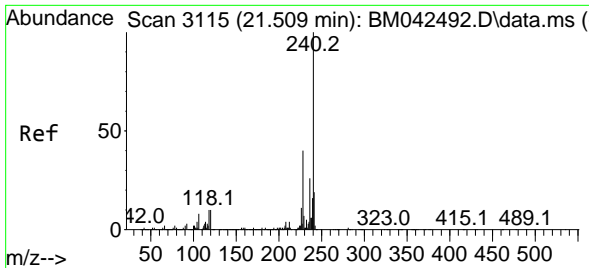
Tgt Ion:178 Resp: 35999  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 15.2 22.8  
 179 16.8 12.3 18.5



#75  
 Fluoranthene  
 Concen: 5.184 ng  
 RT: 19.374 min Scan# 2752  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:202 Resp: 84739  
 Ion Ratio Lower Upper  
 202 100  
 101 9.9 0.0 30.5  
 203 20.0 0.0 37.0



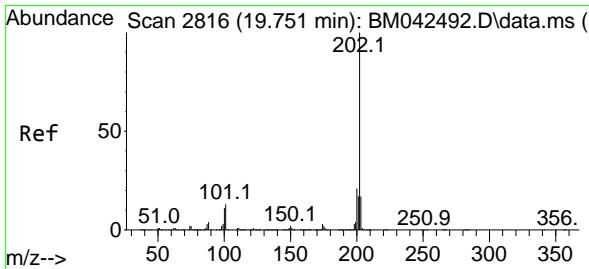
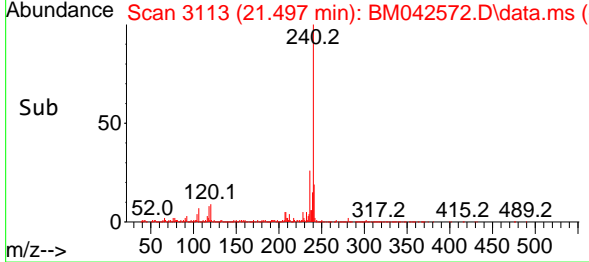
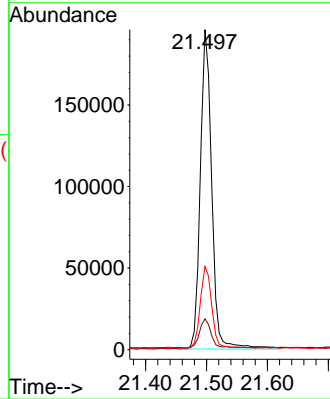
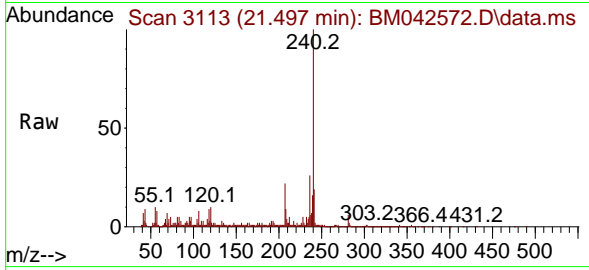


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.497 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

Tgt Ion:240 Resp: 255065

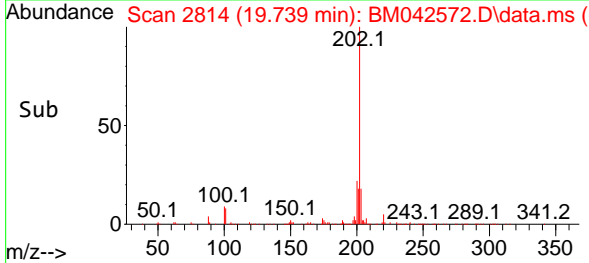
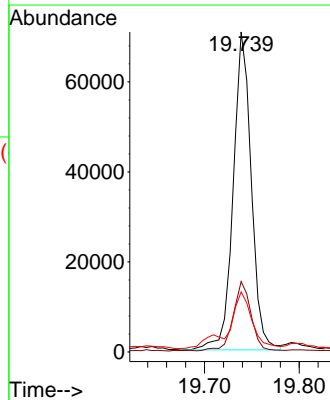
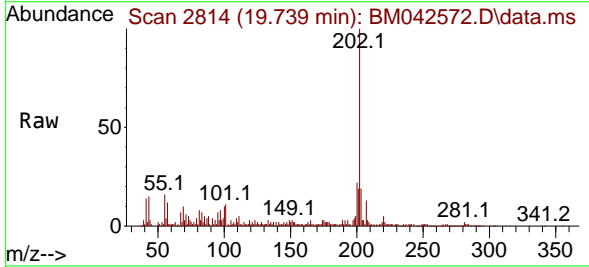
Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	26.0	20.8	31.2

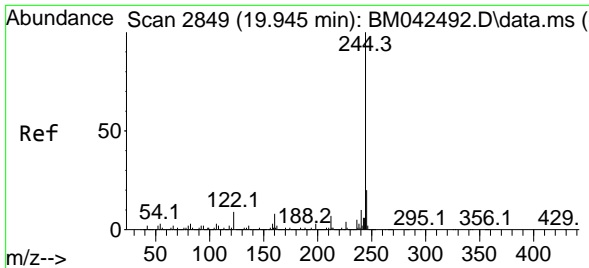


#78  
 Pyrene  
 Concen: 5.351 ng  
 RT: 19.739 min Scan# 2814  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:202 Resp: 93718

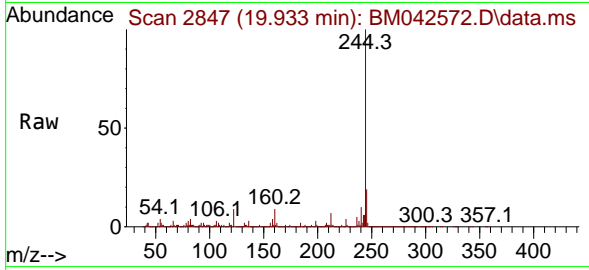
Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	18.8	13.7	20.5



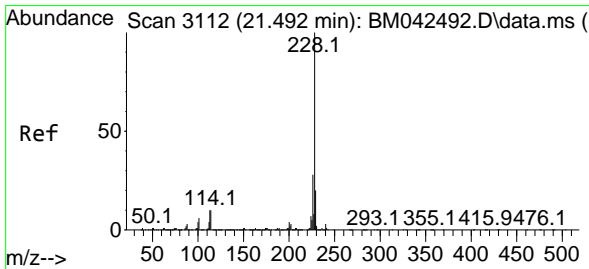
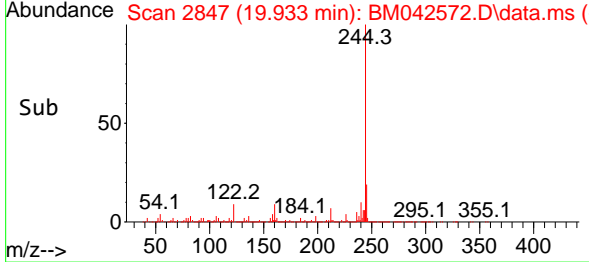
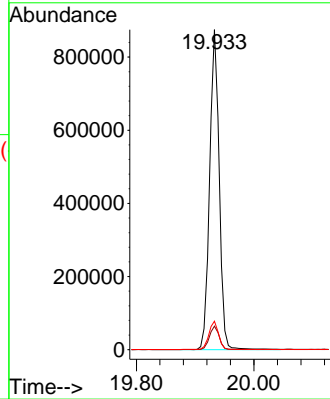


#79  
 Terphenyl-d14  
 Concen: 65.489 ng  
 RT: 19.933 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

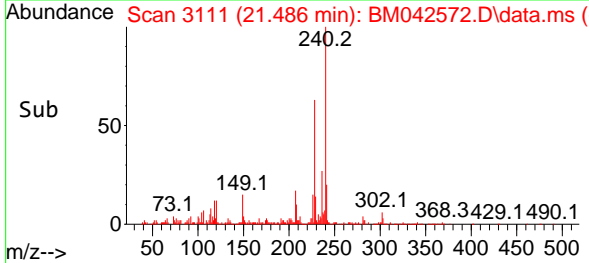
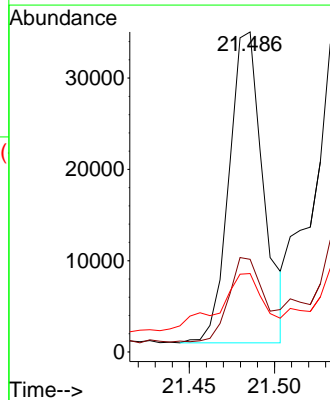
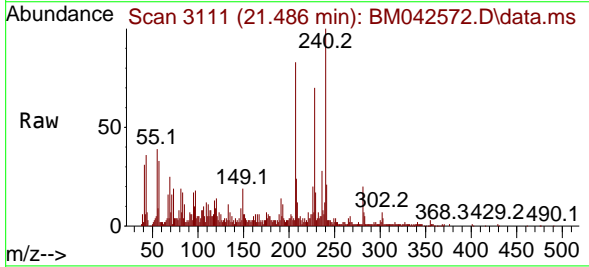


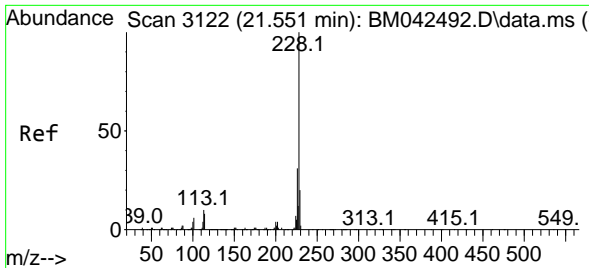
Tgt Ion:244 Resp: 985126  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.4 8.2  
 122 8.9 7.2 10.8



#81  
 Benzo(a)anthracene  
 Concen: 2.936 ng  
 RT: 21.486 min Scan# 3111  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:228 Resp: 47652  
 Ion Ratio Lower Upper  
 228 100  
 226 29.0 22.3 33.5  
 229 24.5 15.8 23.8#



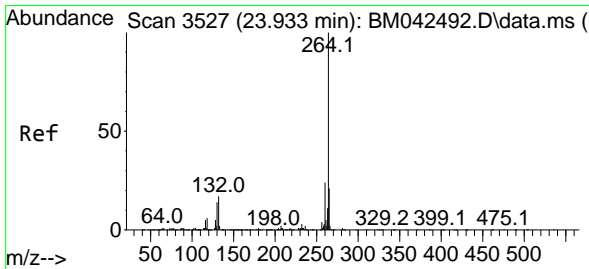
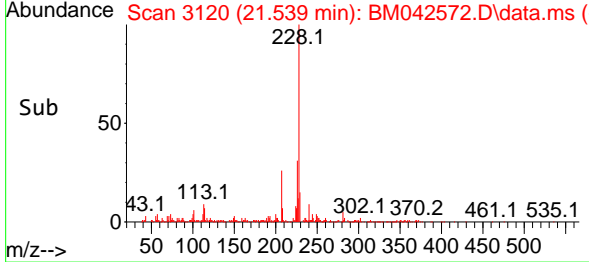
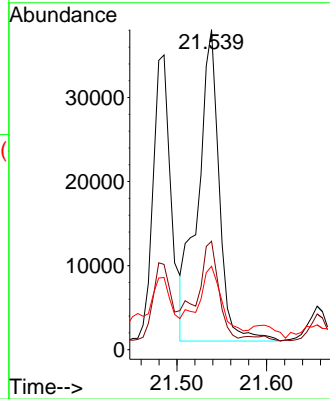
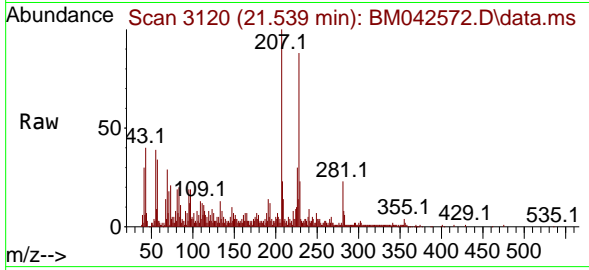


#83  
 Chrysene  
 Concen: 3.723 ng  
 RT: 21.539 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

Tgt Ion:228 Resp: 61381

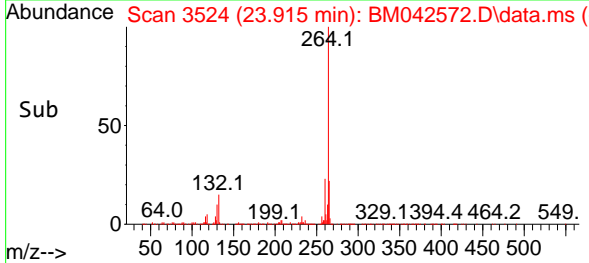
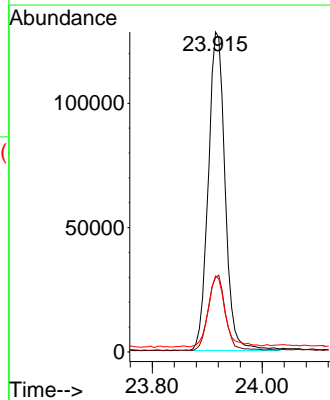
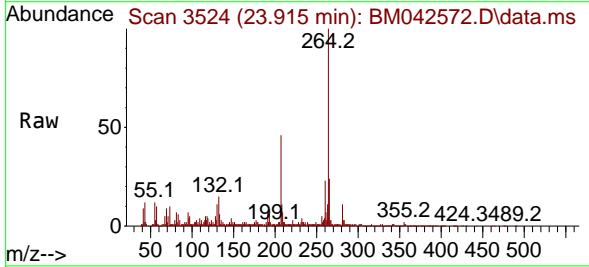
Ion	Ratio	Lower	Upper
228	100		
226	33.9	24.4	36.6
229	26.1	15.7	23.5

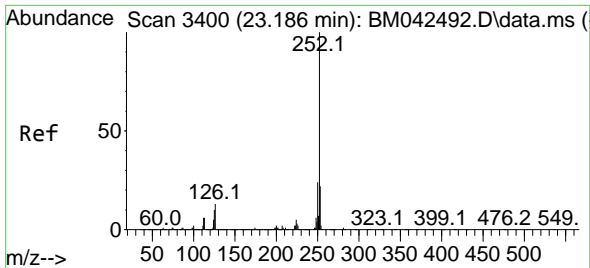


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.915 min Scan# 3524  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:264 Resp: 272161

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	23.7	18.7	28.1

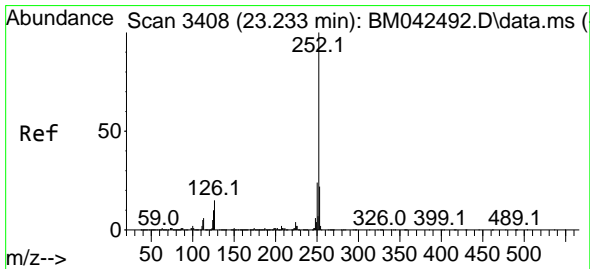
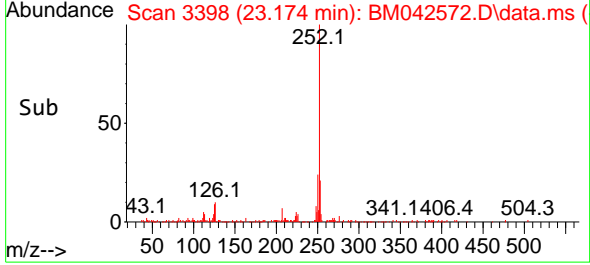
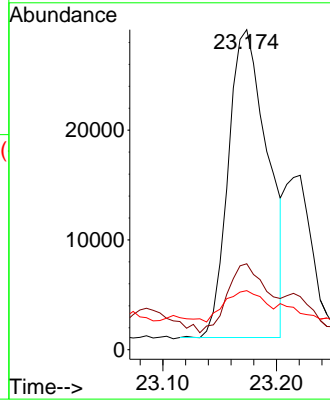
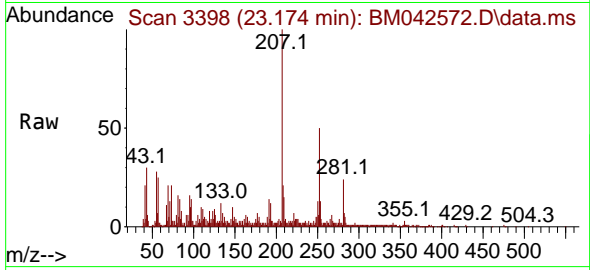




#88  
 Benzo(b)fluoranthene  
 Concen: 4.454 ng  
 RT: 23.174 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

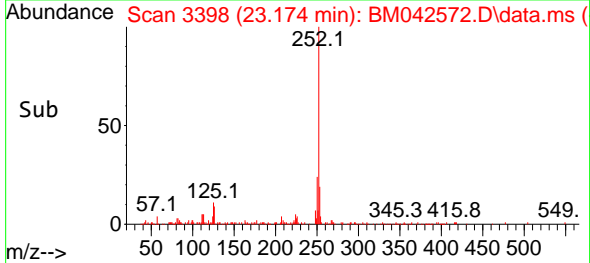
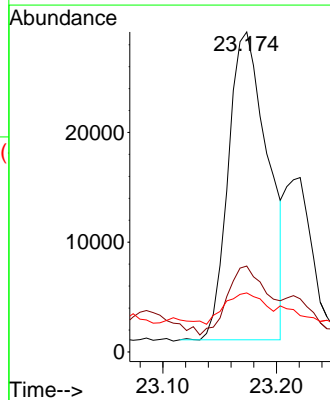
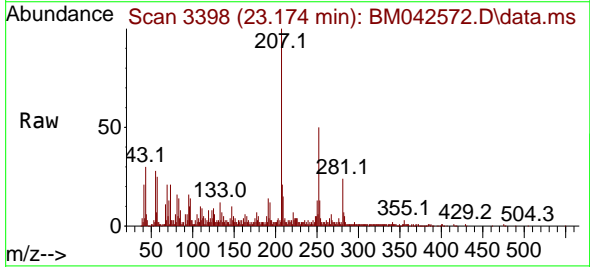
Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123

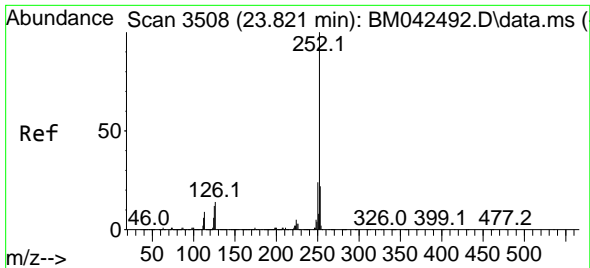
Tgt Ion:252 Resp: 67527  
 Ion Ratio Lower Upper  
 252 100  
 253 26.9 17.5 26.3#  
 125 18.5 7.8 11.6#



#89  
 Benzo(k)fluoranthene  
 Concen: 3.997 ng  
 RT: 23.174 min Scan# 3398  
 Delta R.T. -0.047 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion:252 Resp: 67527  
 Ion Ratio Lower Upper  
 252 100  
 253 26.9 17.6 26.4#  
 125 18.5 8.2 12.4#

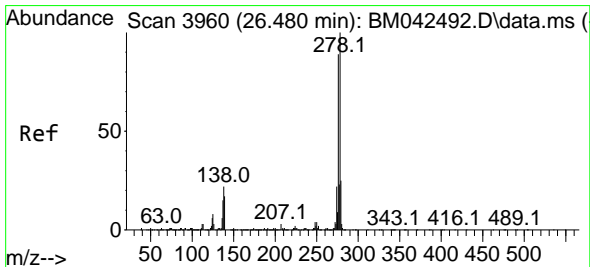
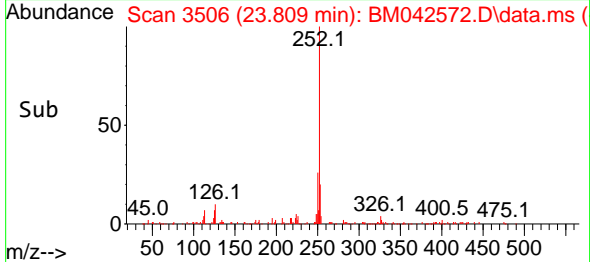
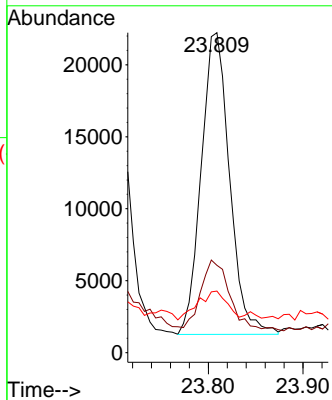
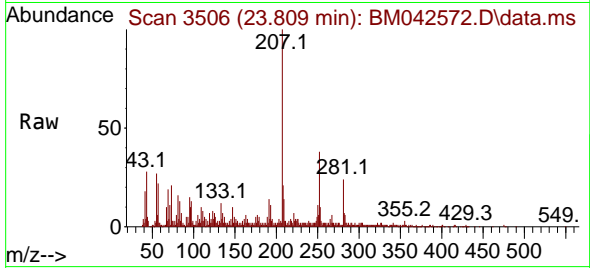




#90  
 Benzo(a)pyrene  
 Concen: 2.920 ng  
 RT: 23.809 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

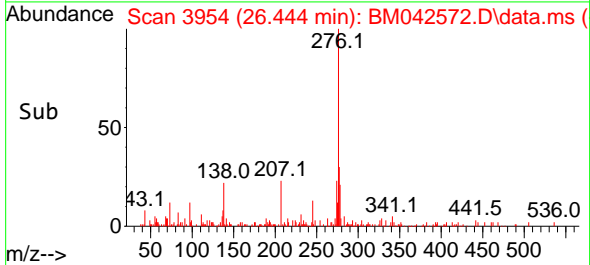
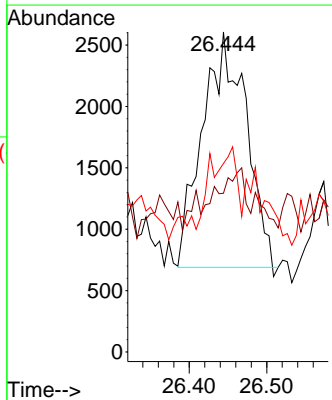
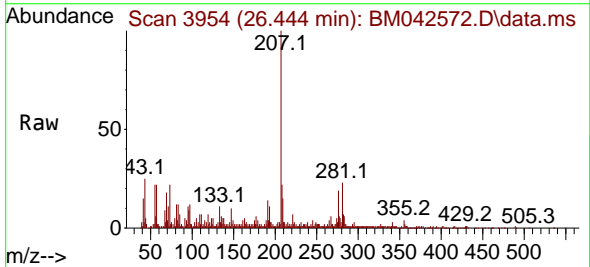
Instrument : BNA\_M  
 ClientSampleId : AU-05-103123

Tgt Ion	Resp	Lower	Upper
252	100		
253	27.3	17.5	26.3#
125	19.2	9.4	14.2#

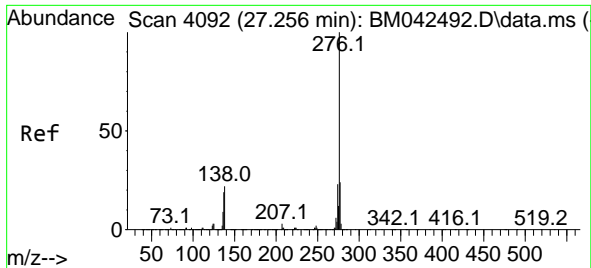


#91  
 Dibenzo(a,h)anthracene  
 Concen: 4.597 ng  
 RT: 26.444 min Scan# 3954  
 Delta R.T. -0.024 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Tgt Ion	Resp	Lower	Upper
278	100		
139	49.6	13.4	20.2#
279	58.9	19.7	29.5#

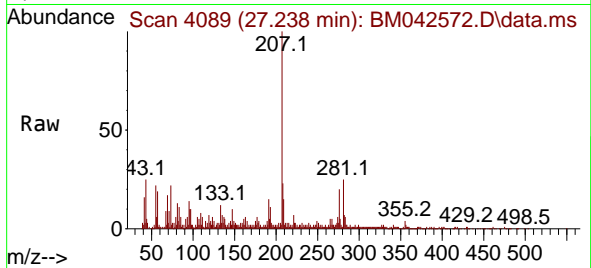






#92  
 Benzo(g,h,i)perylene  
 Concen: 2.687 ng  
 RT: 27.238 min Scan# 4092  
 Delta R.T. -0.006 min  
 Lab File: BM042572.D  
 Acq: 03 Nov 2023 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-05-103123



Tgt Ion: 276 Resp: 38356

Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.2	28.8
138	22.5	17.3	25.9

