

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040324\
 Data File : BM044892.D
 Acq On : 03 Apr 2024 13:02
 Operator : MA/JU
 Sample : P1908-03DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Apr 03 13:35:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 03 00:28:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.645	152	71416	20.000	ng	0.00
21) Naphthalene-d8	10.422	136	289506	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	187792	20.000	ng	0.00
64) Phenanthrene-d10	17.057	188	404911	20.000	ng	0.00
76) Chrysene-d12	21.262	240	425648	20.000	ng	0.00
86) Perylene-d12	23.497	264	549672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	140379	29.677	ng	0.00
7) Phenol-d6	6.828	99	175445	28.098	ng	0.00
23) Nitrobenzene-d5	8.804	82	108416	18.442	ng	-0.01
42) 2,4,6-Tribromophenol	15.798	330	65414	23.837	ng	0.00
45) 2-Fluorobiphenyl	12.910	172	263879	19.058	ng	0.00
79) Terphenyl-d14	19.703	244	481180	19.316	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.092	93	58944	8.008	ng	# 60
11) bis(2-Chloroethyl)ether	7.092	93	58944	11.698	ng	95
18) Hexachloroethane	8.698	117	32830	15.808	ng	98
19) n-Nitroso-di-n-propyla...	8.457	70	71192	17.084	ng	96
24) Nitrobenzene	8.851	77	125317	21.797	ng	98
28) bis(2-Chloroethoxy)met...	9.857	93	152314	23.590	ng	95
31) Naphthalene	10.475	128	191179	12.218	ng	99
33) 4-Chloroaniline	10.475	127	25248	3.703	ng	# 30
34) Hexachlorobutadiene	10.739	225	54965	20.654	ng	95
37) 2-Methylnaphthalene	12.098	142	146206	13.004	ng	98
38) 1-Methylnaphthalene	12.316	142	76543	7.191	ng	97
47) 2-Chloronaphthalene	13.163	162	377667	35.373	ng	100
49) Acenaphthylene	14.016	152	290165	16.330	ng	99
51) 2,6-Dinitrotoluene	13.892	165	87983	28.275	ng	98
52) Acenaphthene	14.363	154	73584	6.870	ng	96
55) Dibenzofuran	14.698	168	217169	12.299	ng	96
56) 4-Nitrophenol	14.698	139	82865	29.317	ng	# 9
57) 2,4-Dinitrotoluene	14.692	165	100913	23.189	ng	95
58) Fluorene	15.351	166	362879	25.358	ng	100
60) Diethylphthalate	15.139	149	324244	21.286	ng	99
62) 4-Nitroaniline	15.398	138	67914	20.906	ng	98
66) n-Nitrosodiphenylamine	15.574	169	155132	12.662	ng	98
68) Hexachlorobenzene	16.351	284	67247	13.417	ng	98
71) Phenanthrene	17.098	178	355825	15.810	ng	99
72) Anthracene	17.186	178	479265	21.031	ng	100
74) Di-n-butylphthalate	18.039	149	913007	33.058	ng	99
75) Fluoranthene	19.127	202	926302	34.779	ng	99
78) Pyrene	19.492	202	507852	17.918	ng	99
80) Butylbenzylphthalate	20.415	149	354013	27.067	ng	98
81) Benzo(a)anthracene	21.303	228	319814	10.890	ng	97
83) Chrysene	21.303	228	319814	11.474	ng	99
84) Bis(2-ethylhexyl)phtha...	21.197	149	455820	21.818	ng	99
87) Indeno(1,2,3-cd)pyrene	25.750	276	1239073	30.043	ng	95
88) Benzo(b)fluoranthene	22.833	252	996202	30.566	ng	99
89) Benzo(k)fluoranthene	22.874	252	247258	7.639	ng	99
90) Benzo(a)pyrene	23.403	252	459727	14.563	ng	99

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QLast Update : Wed Apr 03 00:28:57 2024
Response via : Initial Calibration

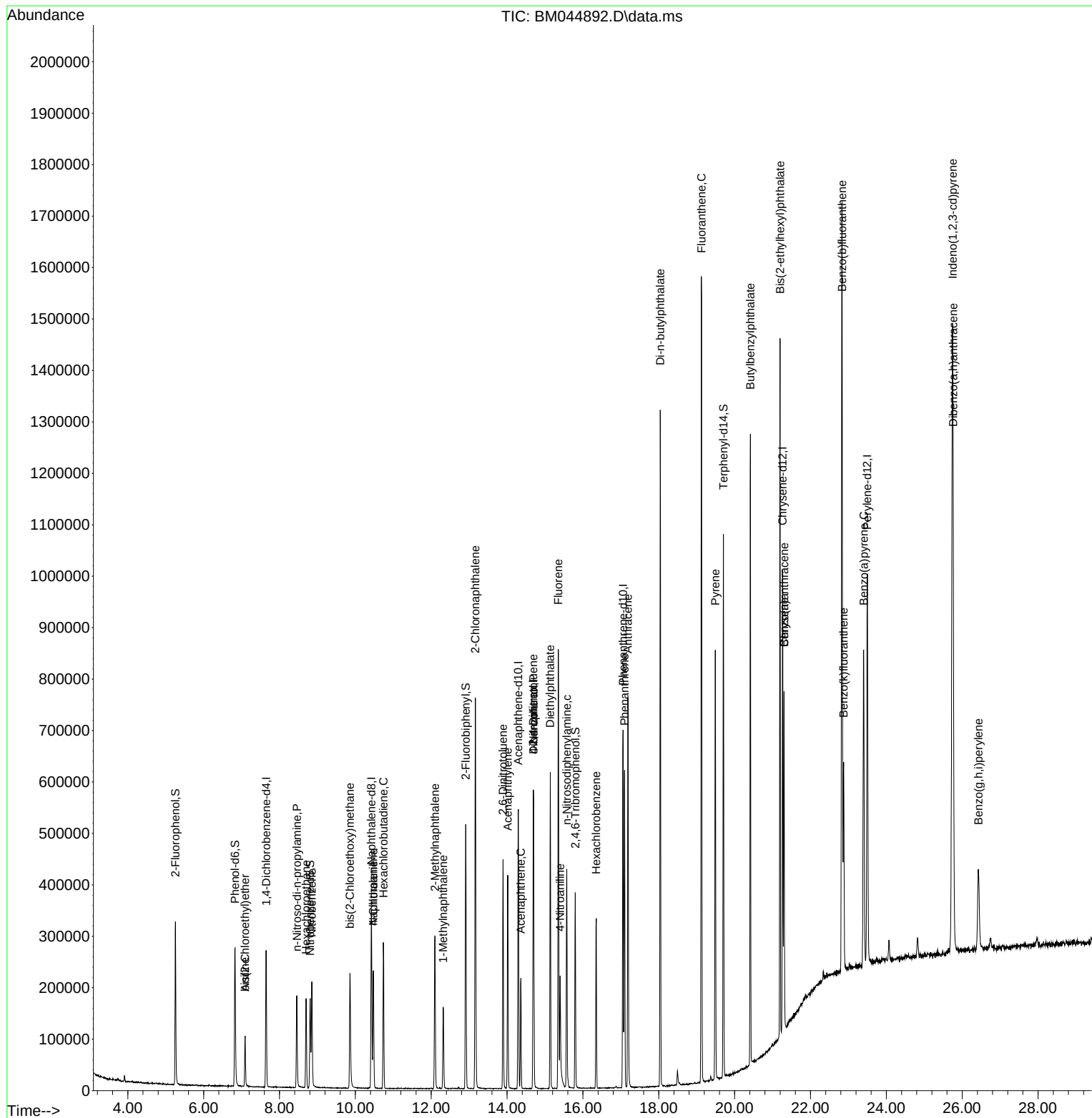
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Dibenzo(a,h)anthracene	25.762	278	324647	9.348	ng	98
92) Benzo(g,h,i)perylene	26.426	276	194529	5.831	ng	98

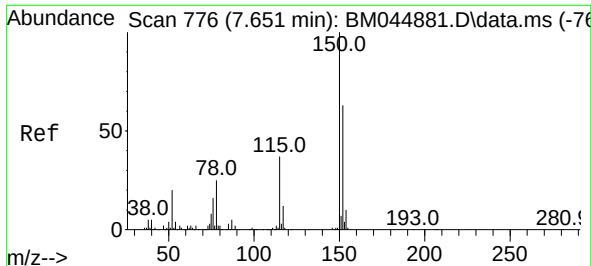
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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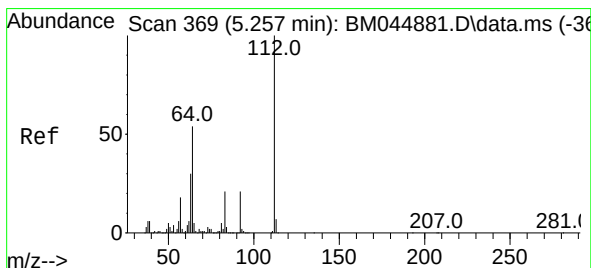
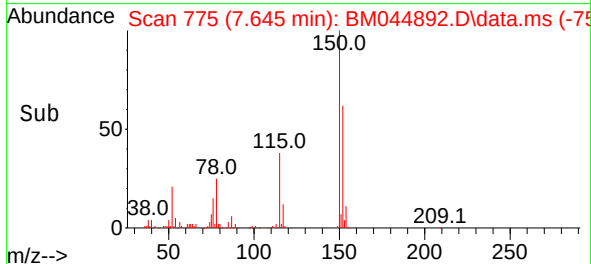
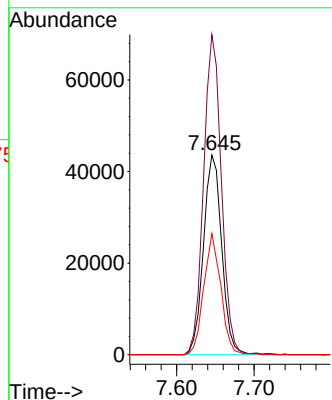
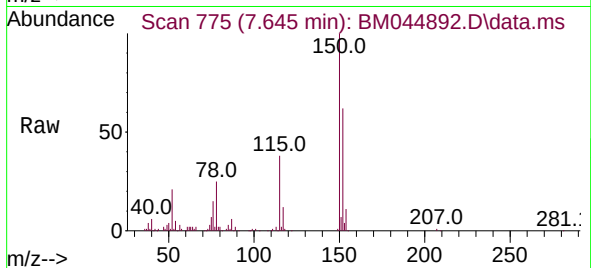




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.645 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

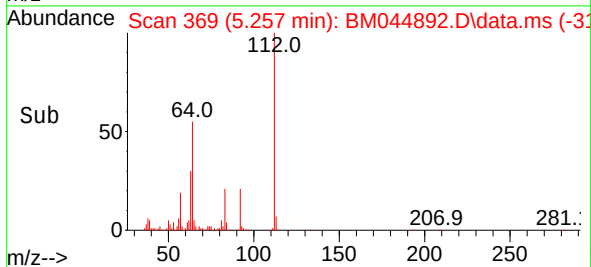
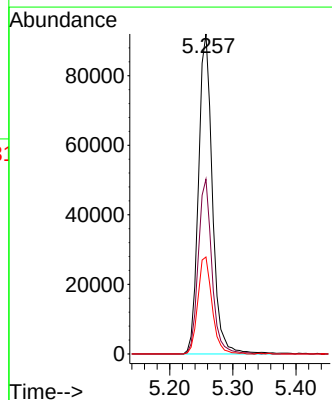
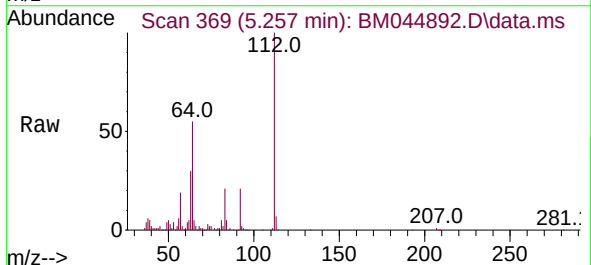
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

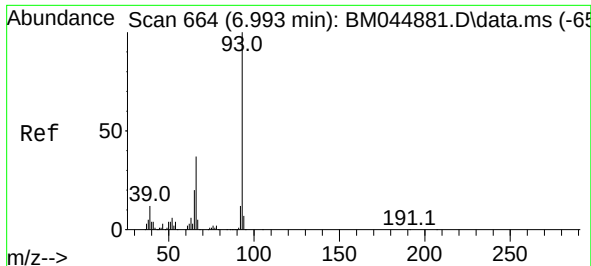
Tgt Ion:152 Resp: 71416
Ion Ratio Lower Upper
152 100
150 160.2 126.5 189.7
115 60.6 47.3 70.9



#5
2-Fluorophenol
Concen: 29.677 ng
RT: 5.257 min Scan# 369
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion:112 Resp: 140379
Ion Ratio Lower Upper
112 100
64 54.6 43.0 64.4
63 30.3 24.3 36.5

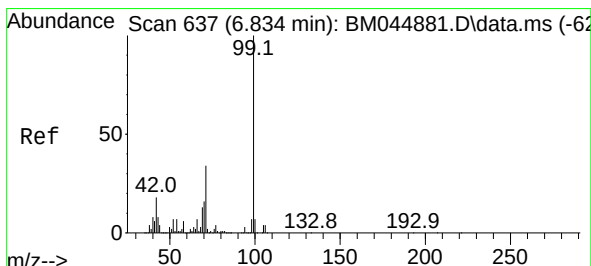
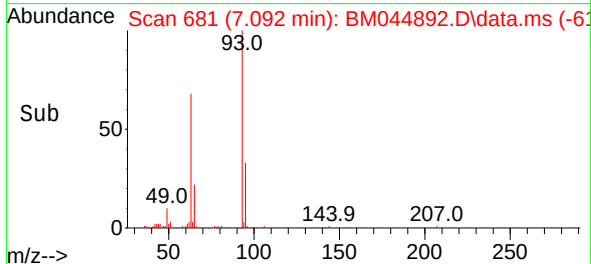
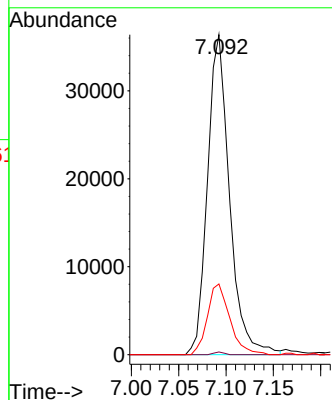
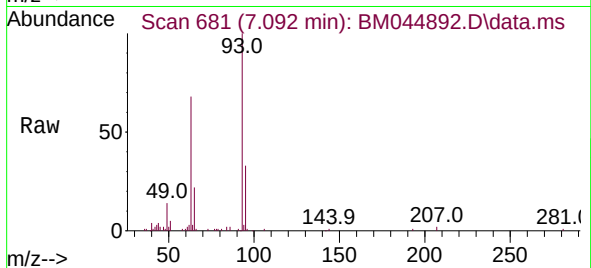




#6
Aniline
Concen: 8.008 ng
RT: 7.092 min Scan# 61
Delta R.T. 0.100 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

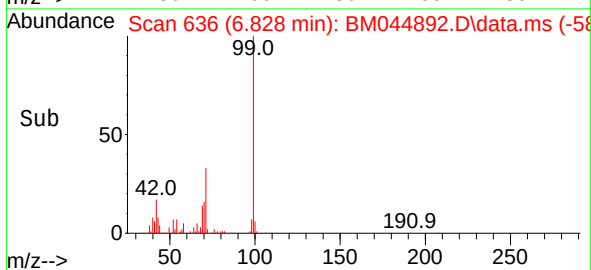
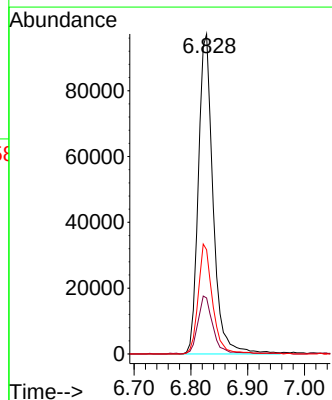
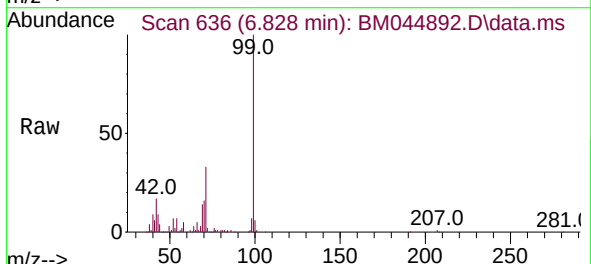
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

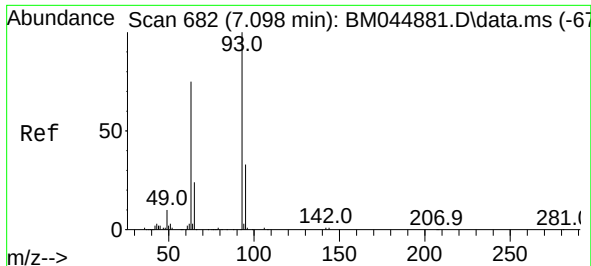
Tgt Ion: 93 Resp: 58944
Ion Ratio Lower Upper
93 100
66 0.9 29.3 43.9#
65 22.1 16.2 24.4



#7
Phenol-d6
Concen: 28.098 ng
RT: 6.828 min Scan# 636
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion: 99 Resp: 175445
Ion Ratio Lower Upper
99 100
42 17.5 14.2 21.4
71 32.5 27.5 41.3

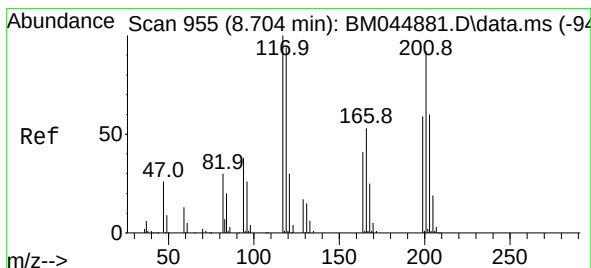
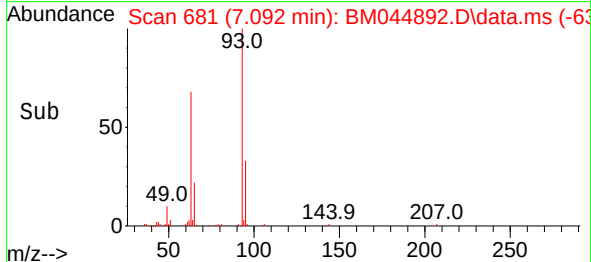
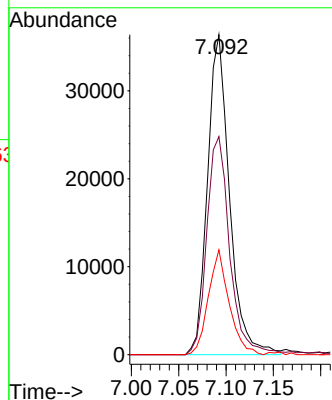
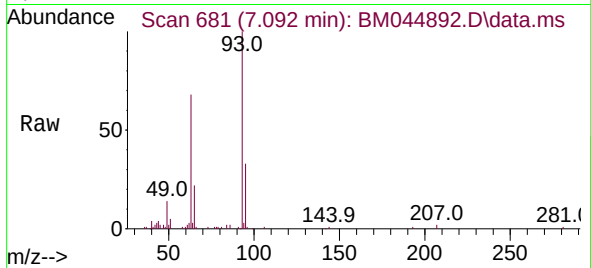




#11
bis(2-Chloroethyl)ether
Concen: 11.698 ng
RT: 7.092 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

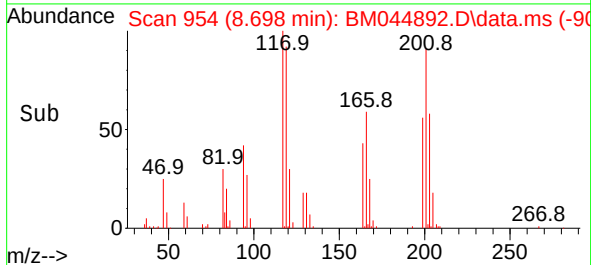
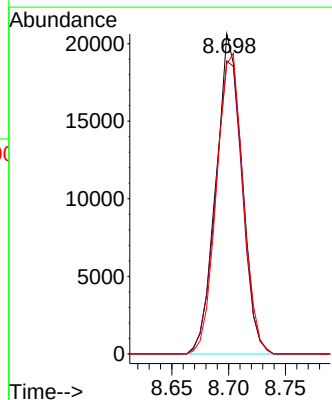
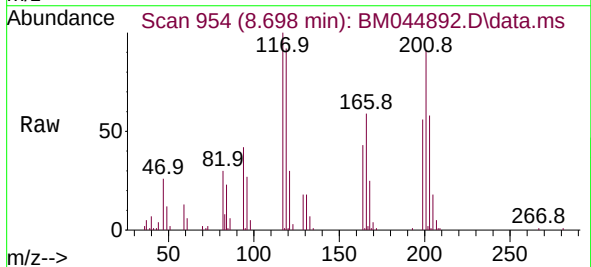
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

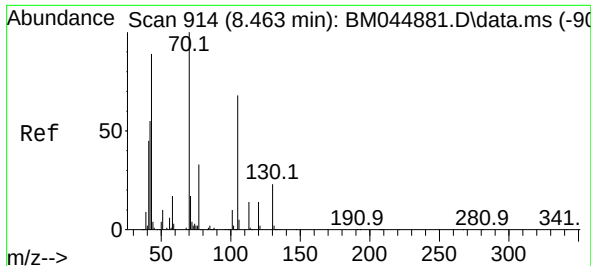
Tgt Ion: 93 Resp: 58944
Ion Ratio Lower Upper
93 100
63 68.2 54.2 94.2
95 32.8 12.9 52.9



#18
Hexachloroethane
Concen: 15.808 ng
RT: 8.698 min Scan# 954
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion: 117 Resp: 32830
Ion Ratio Lower Upper
117 100
119 91.6 75.0 112.6
201 90.5 73.2 109.8



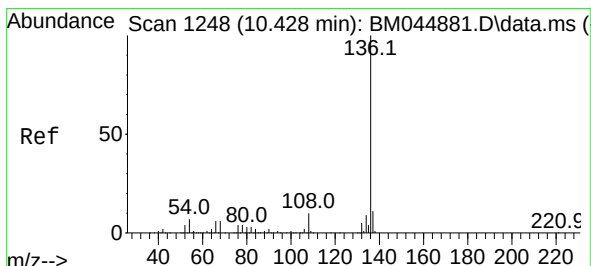
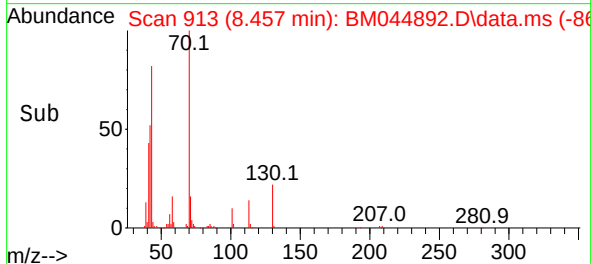
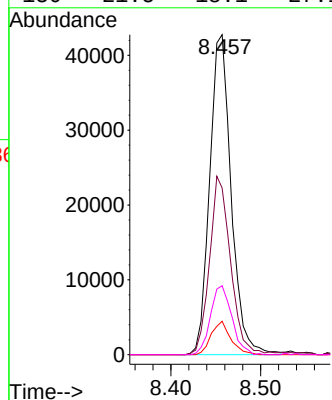
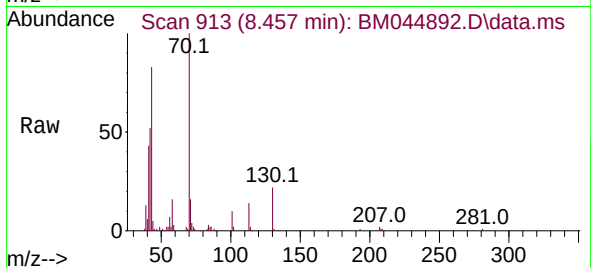


#19
n-Nitroso-di-n-propylamine
Concen: 17.084 ng
RT: 8.457 min Scan# 914
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 70 Resp: 71192

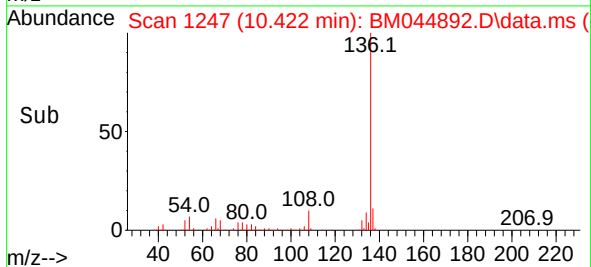
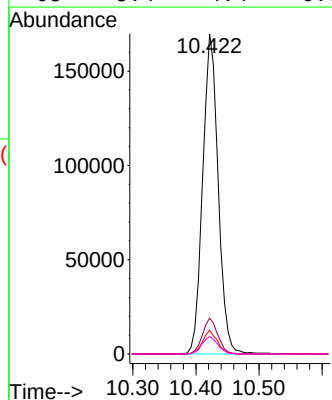
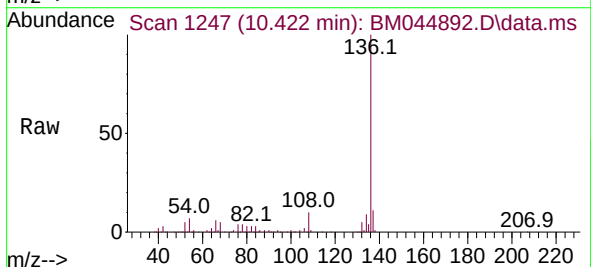
Ion	Ratio	Lower	Upper
70	100		
42	52.1	44.8	67.2
101	10.4	8.2	12.2
130	21.5	18.1	27.1

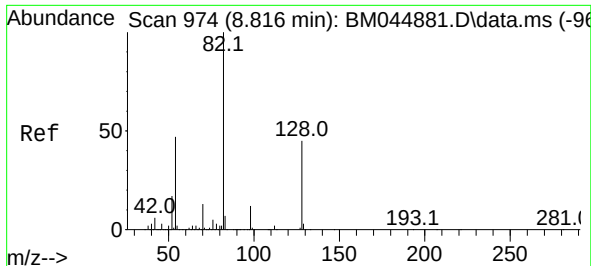


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion: 136 Resp: 289506

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.4	5.9	8.9
68	5.4	4.4	6.6

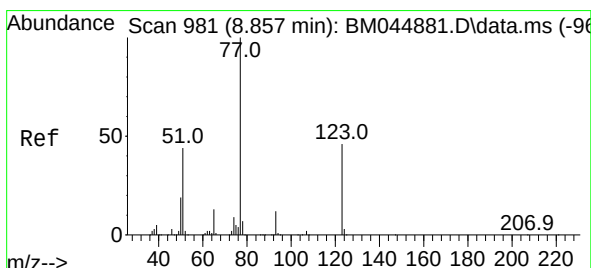
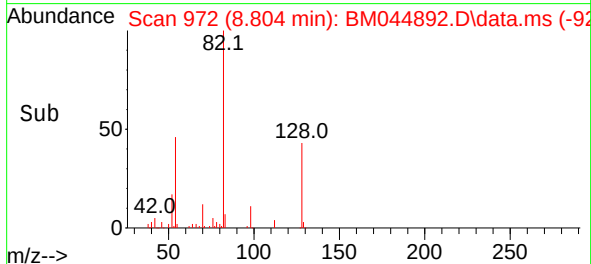
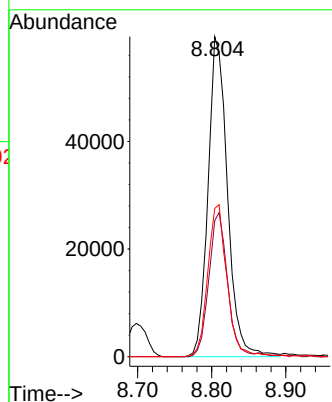
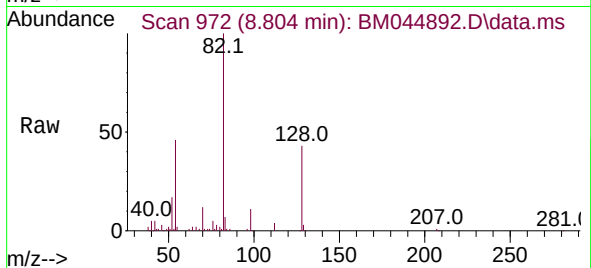




#23
Nitrobenzene-d5
Concen: 18.442 ng
RT: 8.804 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

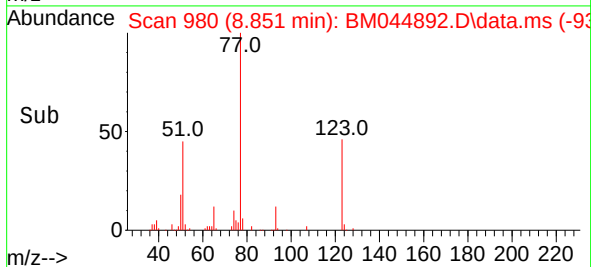
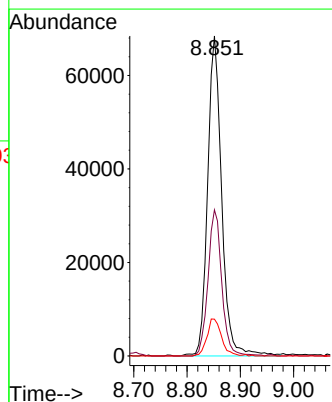
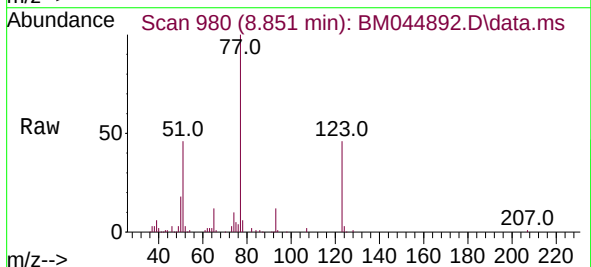
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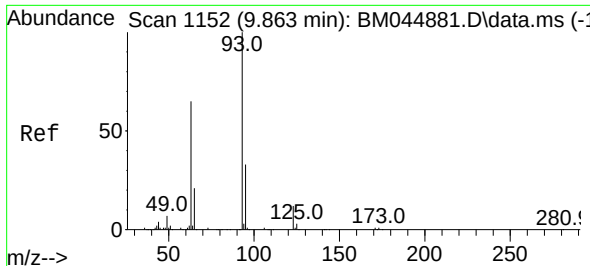
Tgt Ion: 82 Resp: 108416
Ion Ratio Lower Upper
82 100
128 42.6 36.2 54.4
54 46.4 37.5 56.3



#24
Nitrobenzene
Concen: 21.797 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion: 77 Resp: 125317
Ion Ratio Lower Upper
77 100
123 45.6 37.0 55.6
65 11.5 10.3 15.5

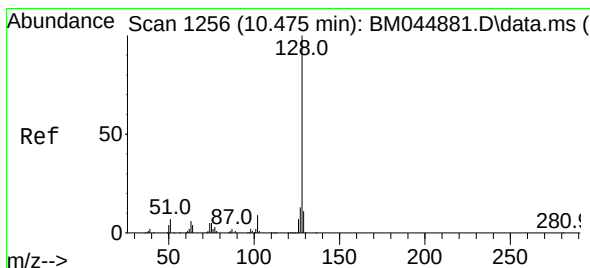
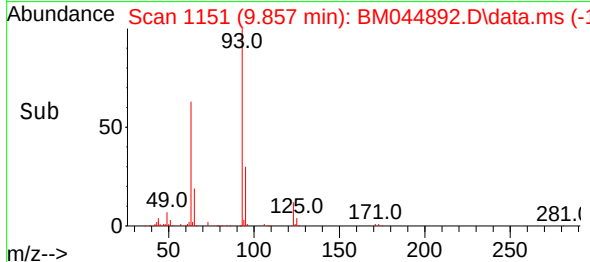
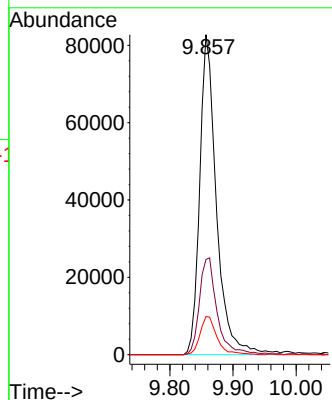
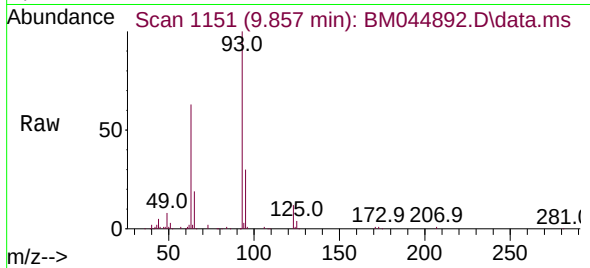




#28
bis(2-Chloroethoxy)methane
Concen: 23.590 ng
RT: 9.857 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

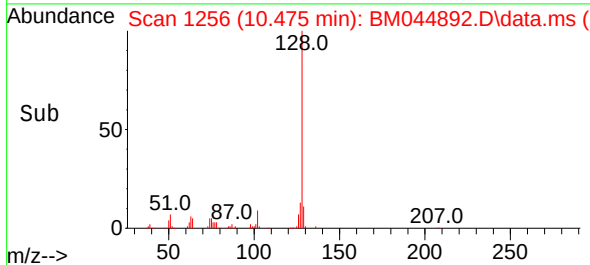
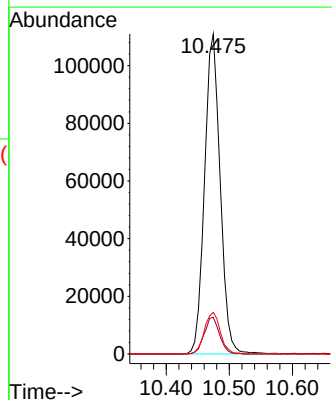
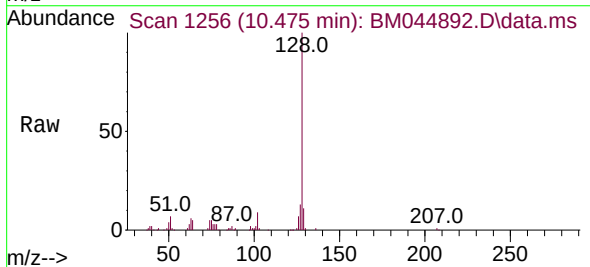
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BNA_M
ClientSampleId :
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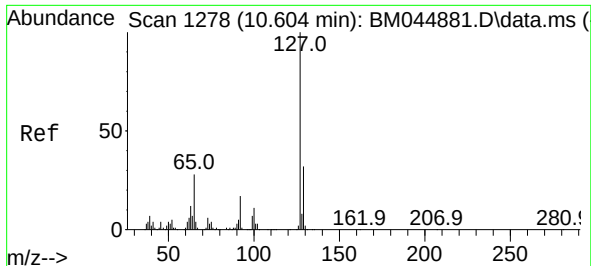
Tgt Ion: 93 Resp: 152314
Ion Ratio Lower Upper
93 100
95 29.8 26.7 40.1
123 11.9 9.7 14.5



#31
Naphthalene
Concen: 12.218 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion: 128 Resp: 191179
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.0 10.4 15.6





#33

4-Chloroaniline

Concen: 3.703 ng

RT: 10.475 min Scan# 1

Delta R.T. -0.129 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

Tgt Ion:127 Resp: 25248

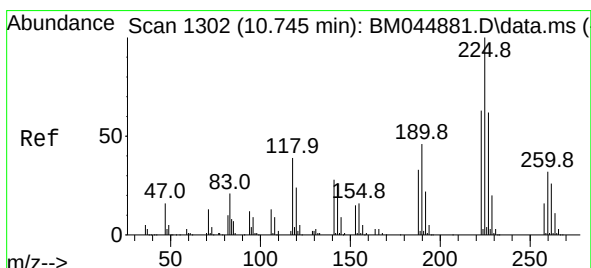
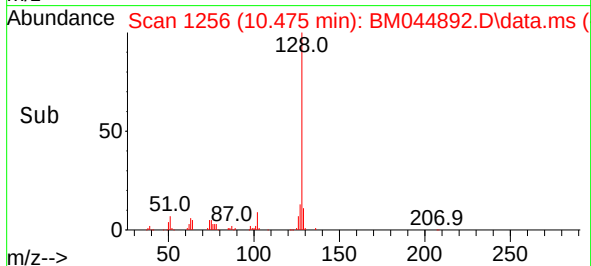
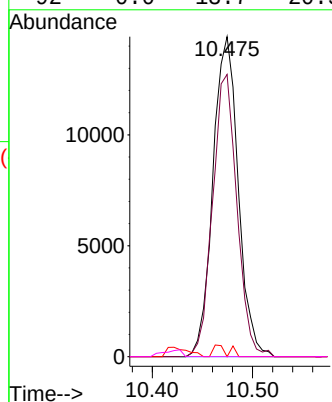
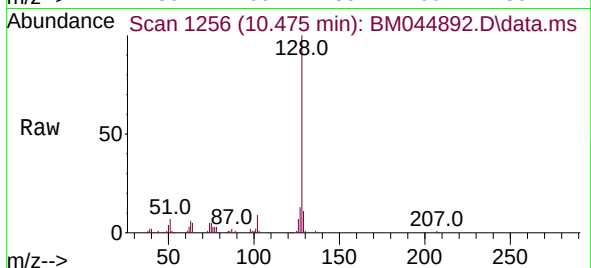
Ion Ratio Lower Upper

127 100

129 88.2 25.9 38.9#

65 0.0 22.4 33.6#

92 0.0 13.7 20.5#



#34

Hexachlorobutadiene

Concen: 20.654 ng

RT: 10.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

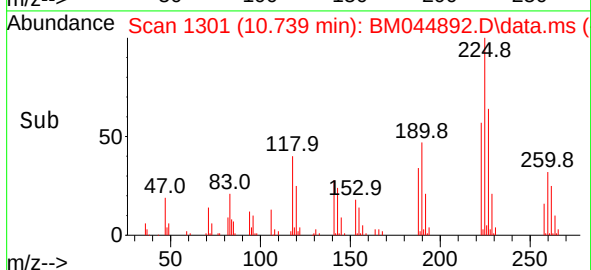
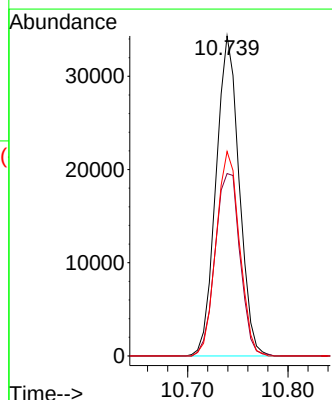
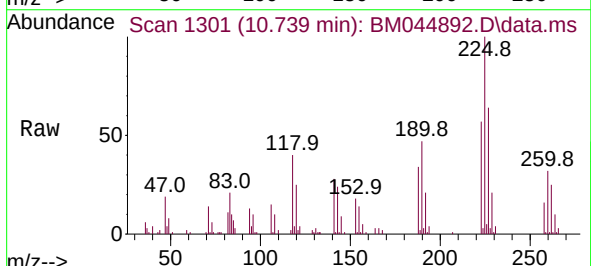
Tgt Ion:225 Resp: 54965

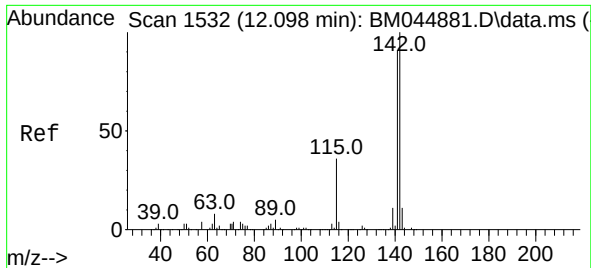
Ion Ratio Lower Upper

225 100

223 57.0 50.2 75.2

227 63.9 49.8 74.6

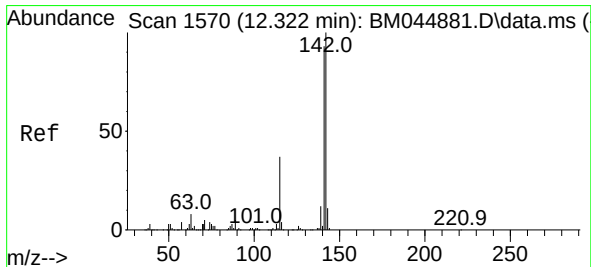
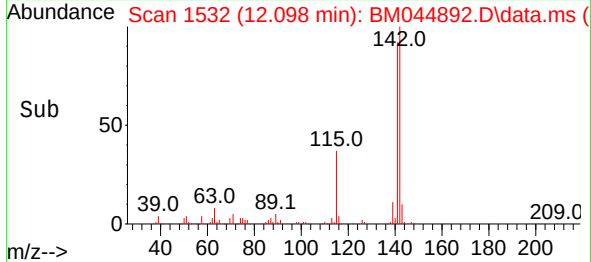
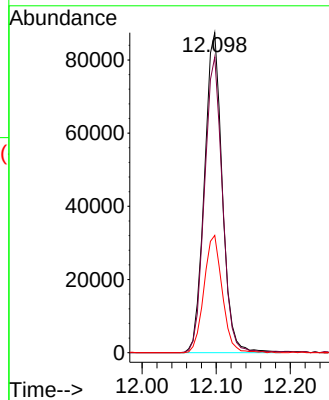
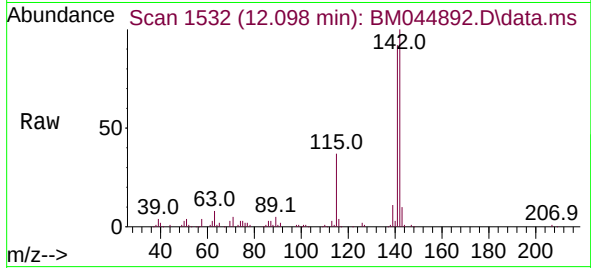




#37
2-Methylnaphthalene
Concen: 13.004 ng
RT: 12.098 min Scan# 1532
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

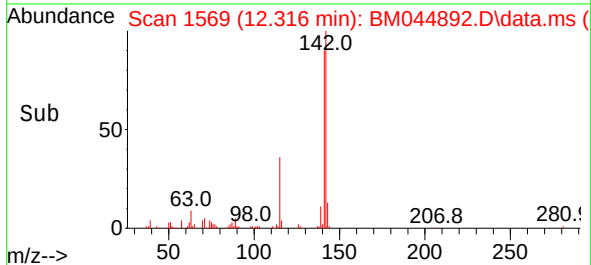
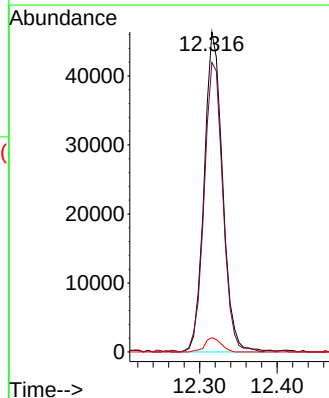
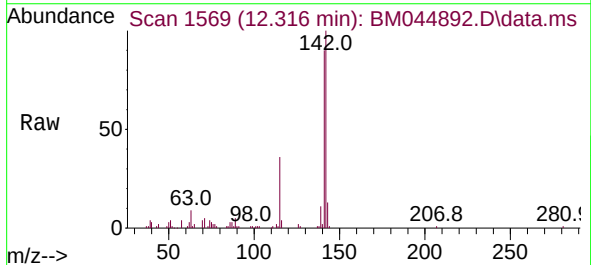
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

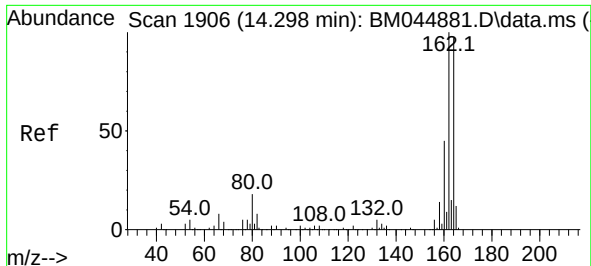
Tgt Ion:142 Resp: 146206
Ion Ratio Lower Upper
142 100
141 92.4 72.5 108.7
115 36.7 29.0 43.4



#38
1-Methylnaphthalene
Concen: 7.191 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

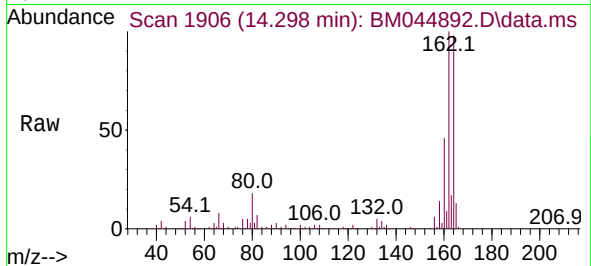
Tgt Ion:142 Resp: 76543
Ion Ratio Lower Upper
142 100
141 90.4 74.3 111.5
116 4.5 3.1 4.7



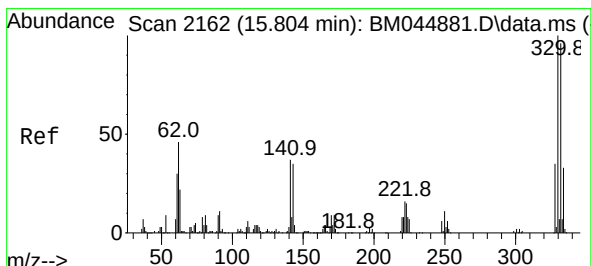
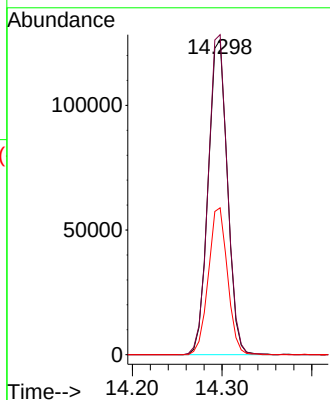
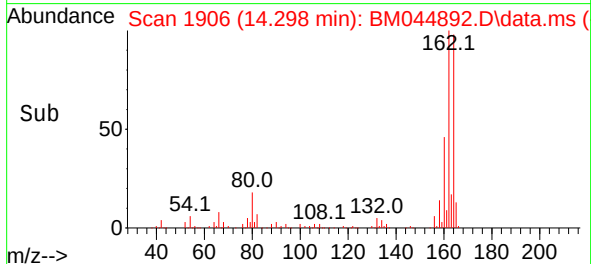


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

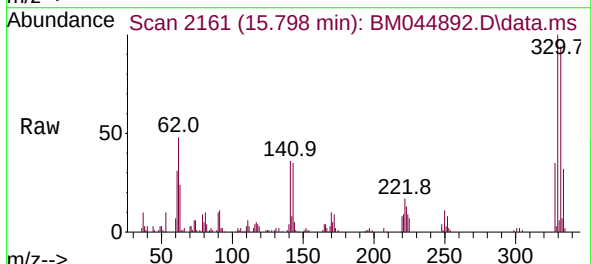
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL



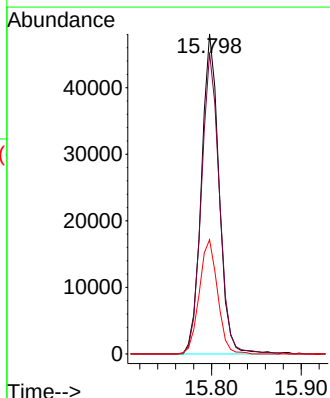
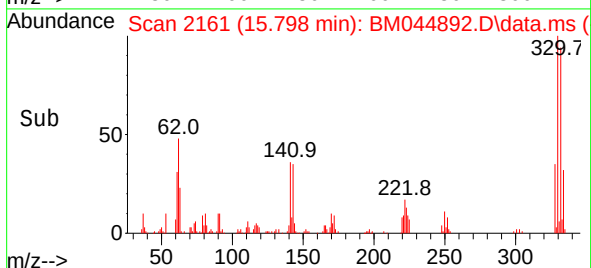
Tgt Ion:164 Resp: 187792
Ion Ratio Lower Upper
164 100
162 101.6 82.1 123.1
160 46.6 36.8 55.2

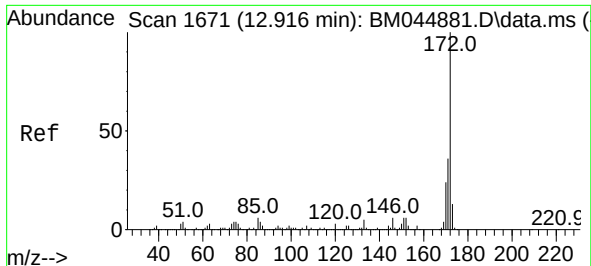


#42
2,4,6-Tribromophenol
Concen: 23.837 ng
RT: 15.798 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02



Tgt Ion:330 Resp: 65414
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 36.9 30.9 46.3





#45

2-Fluorobiphenyl

Concen: 19.058 ng

RT: 12.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

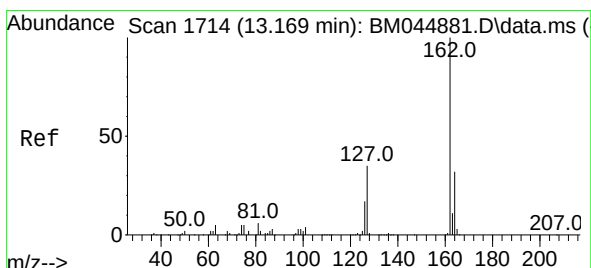
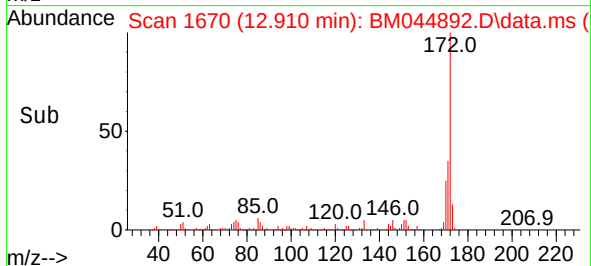
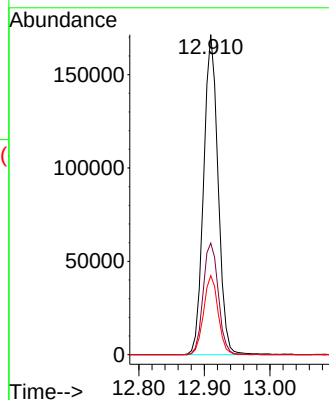
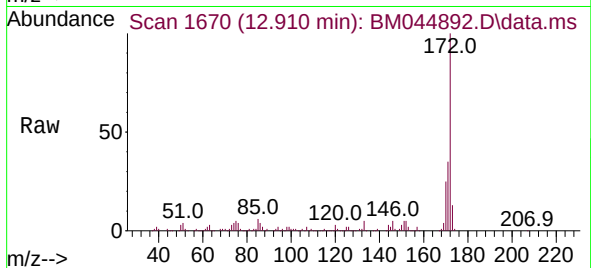
Tgt Ion:172 Resp: 263879

Ion Ratio Lower Upper

172 100

171 34.8 28.9 43.3

170 24.7 19.5 29.3



#47

2-Chloronaphthalene

Concen: 35.373 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

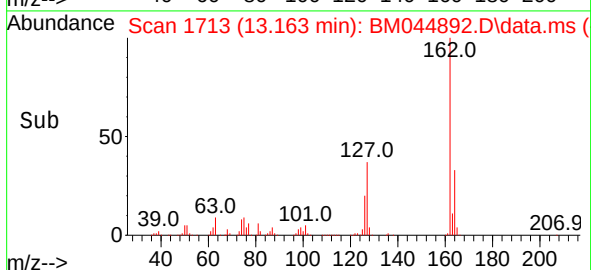
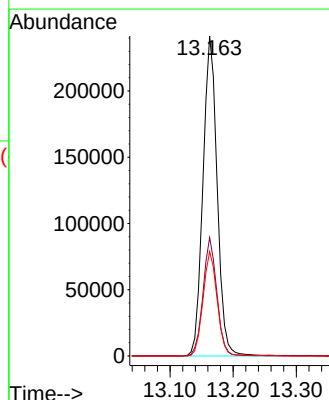
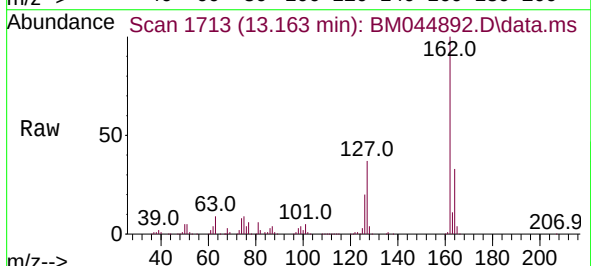
Tgt Ion:162 Resp: 377667

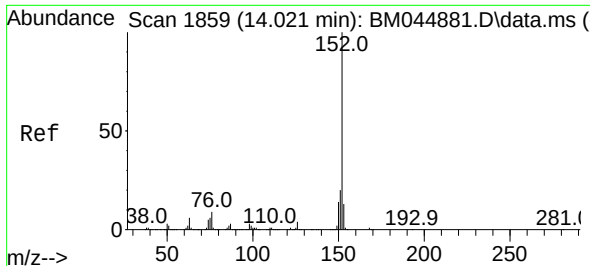
Ion Ratio Lower Upper

162 100

127 37.0 29.6 44.4

164 32.7 25.8 38.8

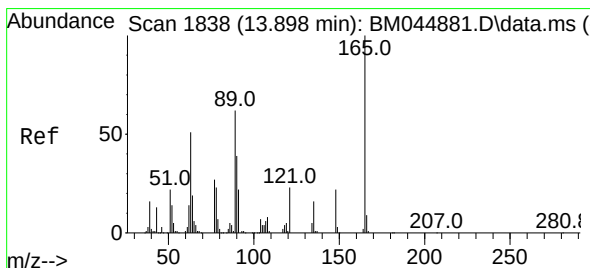
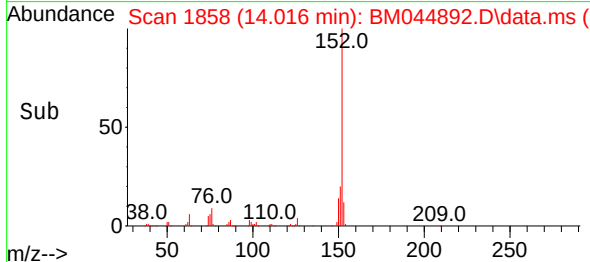
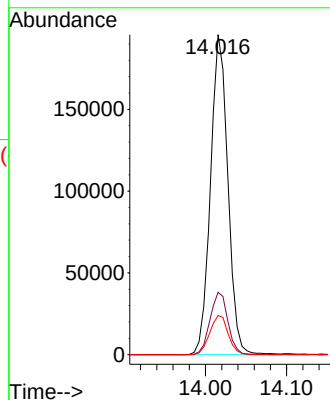
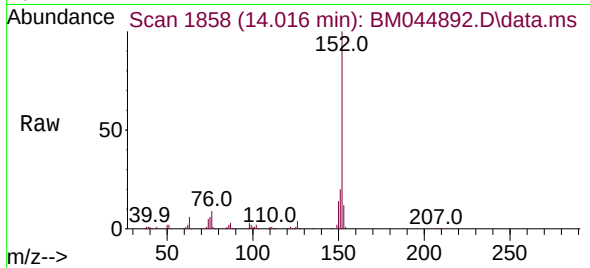




#49
Acenaphthylene
Concen: 16.330 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

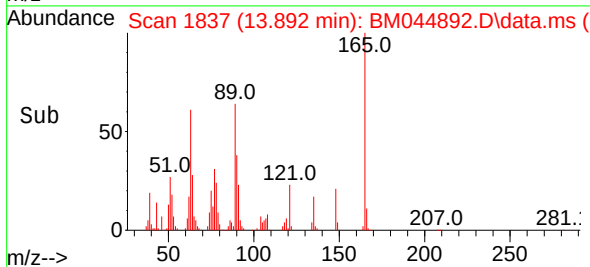
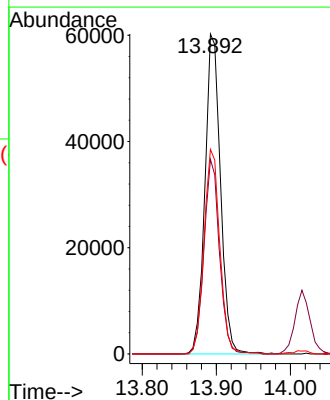
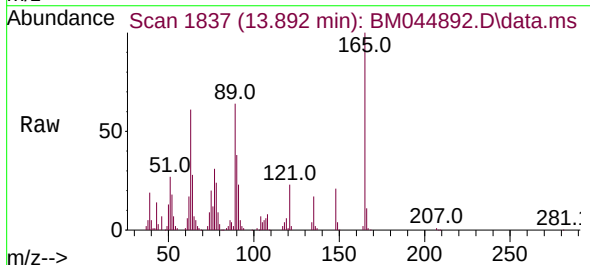
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

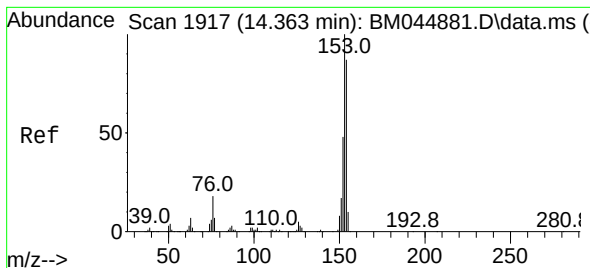
Tgt Ion:152 Resp: 290165
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 12.2 10.2 15.4



#51
2,6-Dinitrotoluene
Concen: 28.275 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion:165 Resp: 87983
Ion Ratio Lower Upper
165 100
63 60.8 47.9 71.9
89 63.9 49.4 74.0





#52

Acenaphthene

Concen: 6.870 ng

RT: 14.363 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

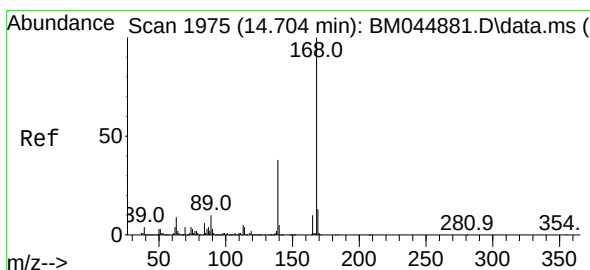
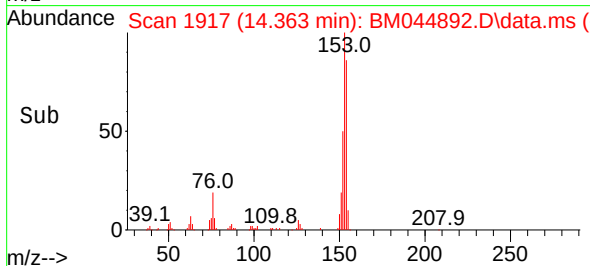
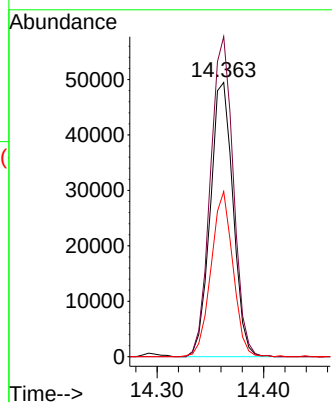
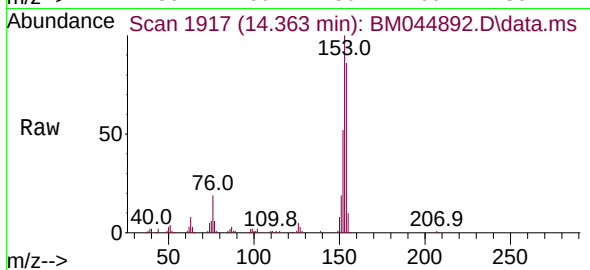
Tgt Ion:154 Resp: 73584

Ion Ratio Lower Upper

154 100

153 116.7 91.7 137.5

152 60.2 43.7 65.5



#55

Dibenzofuran

Concen: 12.299 ng

RT: 14.698 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

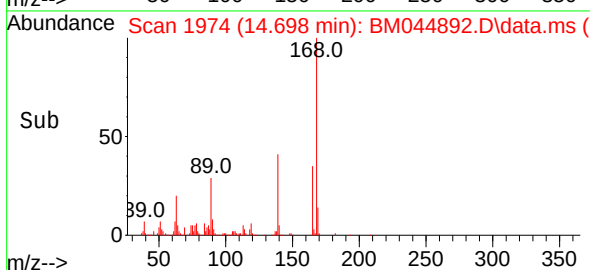
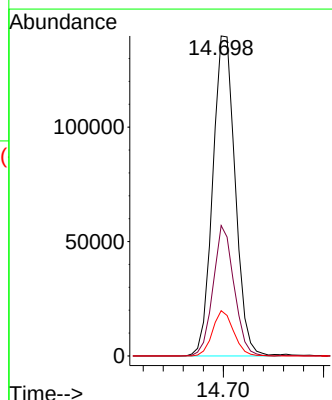
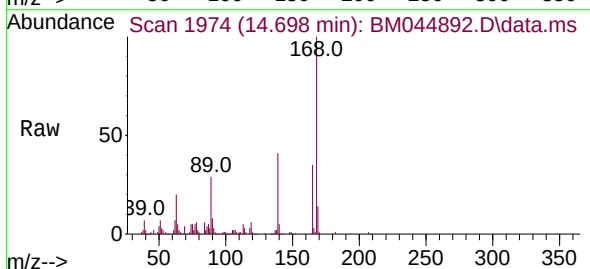
Tgt Ion:168 Resp: 217169

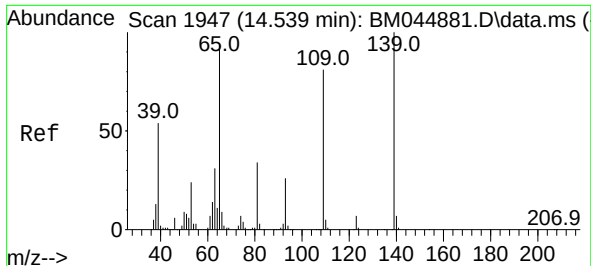
Ion Ratio Lower Upper

168 100

139 40.7 30.3 45.5

169 14.1 10.7 16.1





#56

4-Nitrophenol

Concen: 29.317 ng

RT: 14.698 min Scan# 1

Delta R.T. 0.159 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

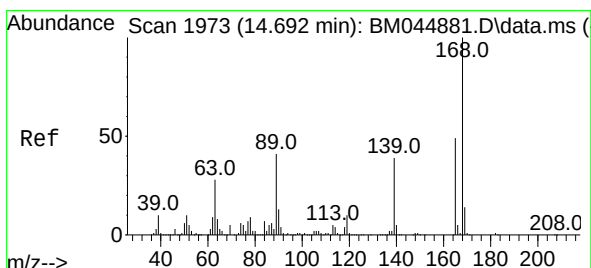
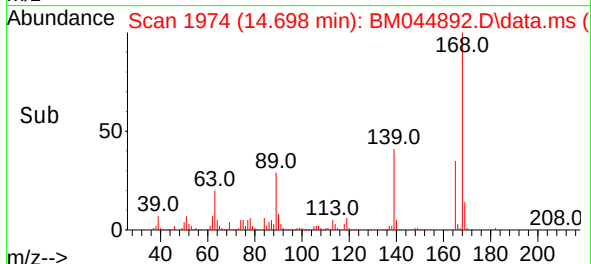
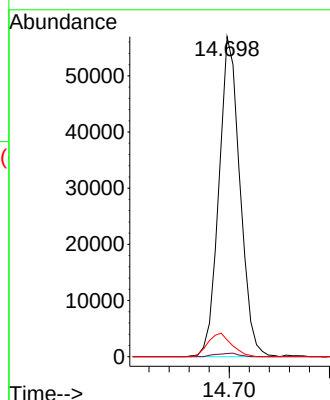
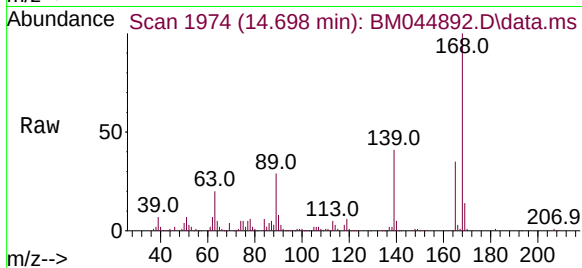
Tgt Ion:139 Resp: 82865

Ion Ratio Lower Upper

139 100

109 1.0 61.0 101.0#

65 5.2 74.0 114.0#



#57

2,4-Dinitrotoluene

Concen: 23.189 ng

RT: 14.692 min Scan# 1973

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Tgt Ion:165 Resp: 100913

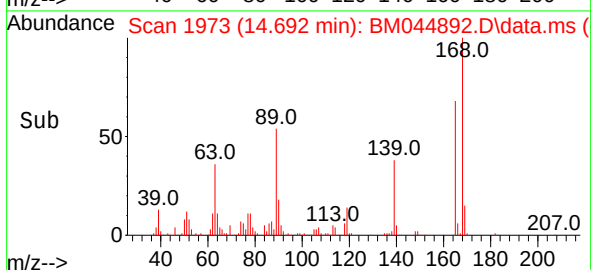
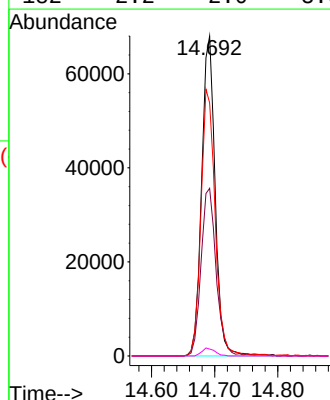
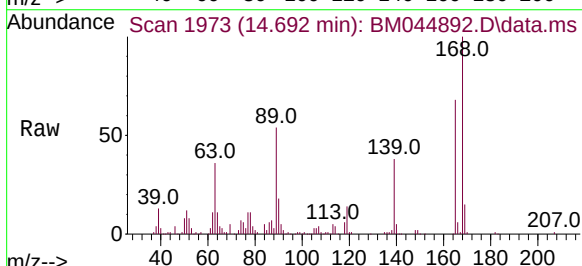
Ion Ratio Lower Upper

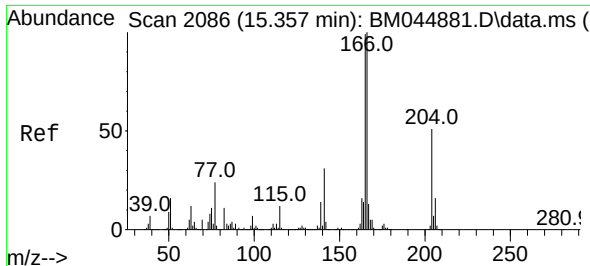
165 100

63 52.4 45.8 68.8

89 79.1 66.6 100.0

182 2.2 2.0 3.0

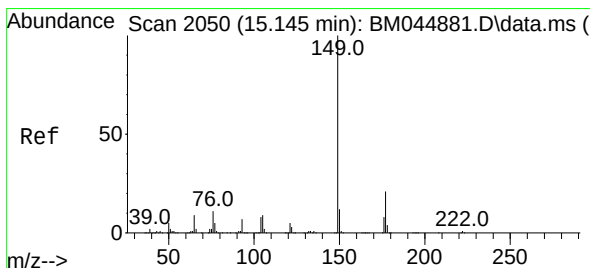
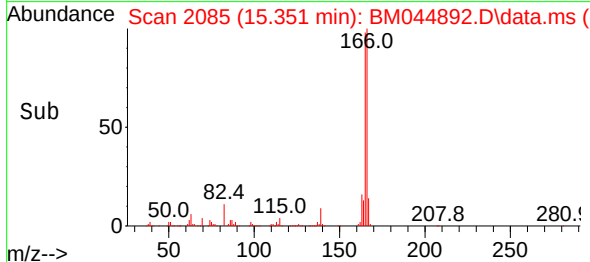
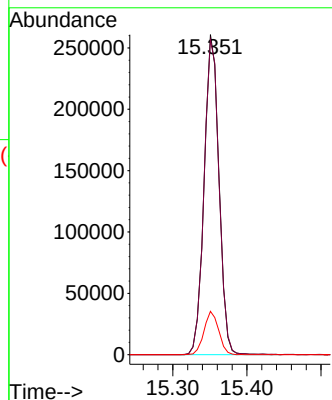
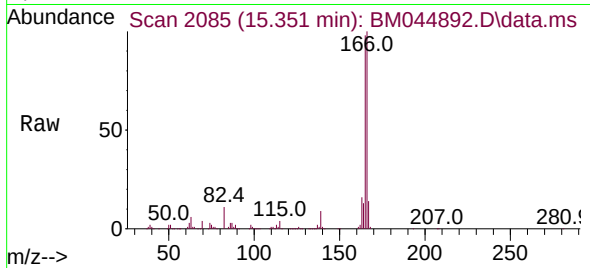




#58
Fluorene
Concen: 25.358 ng
RT: 15.351 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

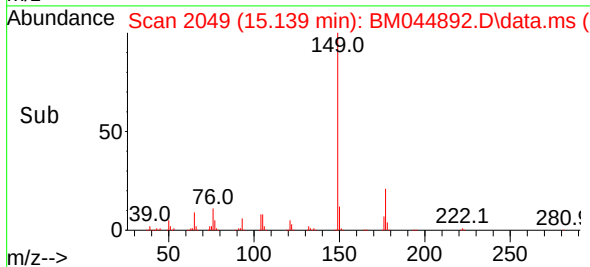
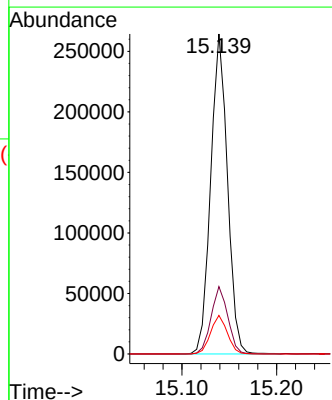
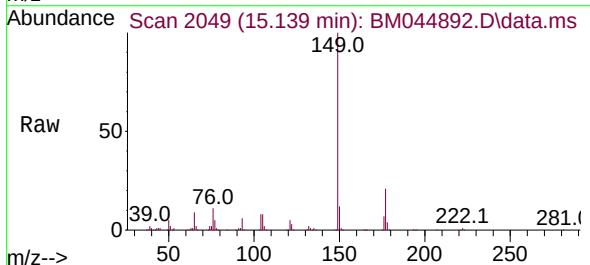
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

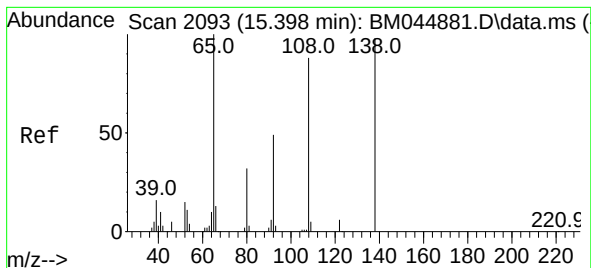
Tgt Ion:166 Resp: 362879
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.6
167 13.5 10.7 16.1



#60
Diethylphthalate
Concen: 21.286 ng
RT: 15.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion:149 Resp: 324244
Ion Ratio Lower Upper
149 100
177 21.0 17.2 25.8
150 12.1 9.6 14.4

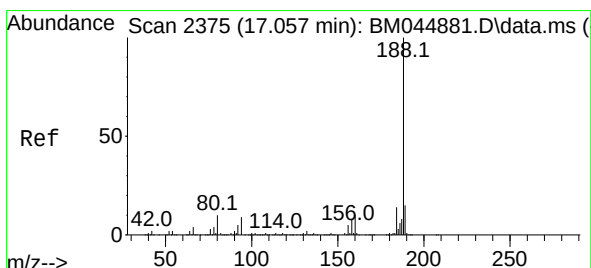
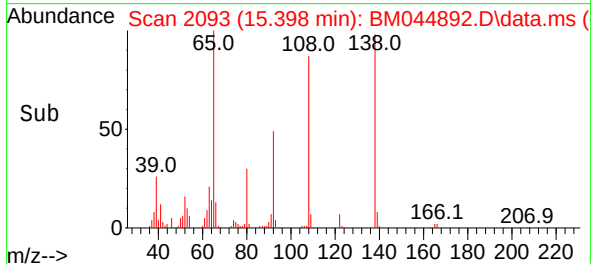
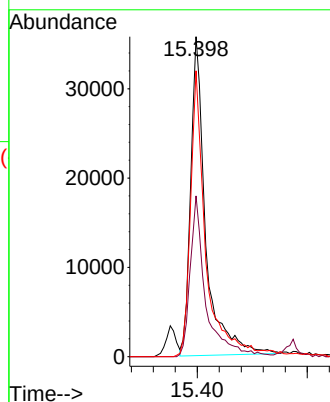
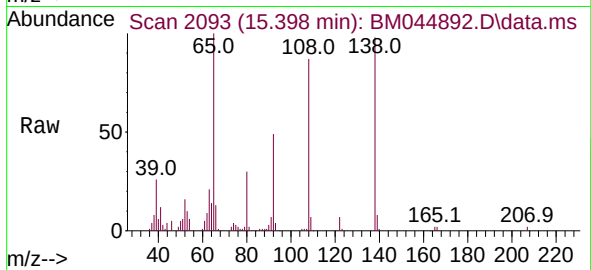




#62
4-Nitroaniline
Concen: 20.906 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

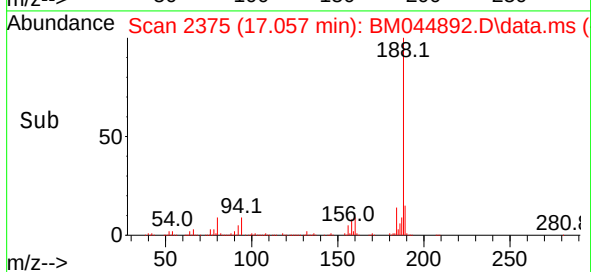
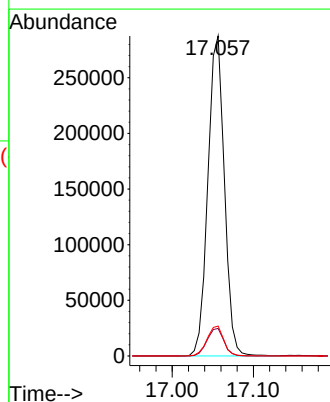
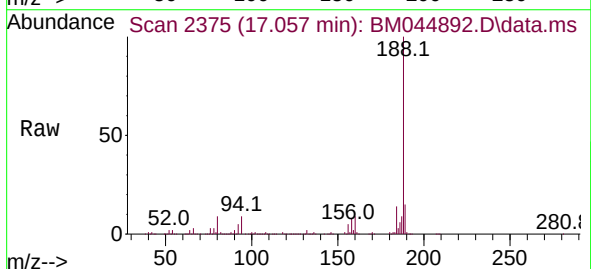
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

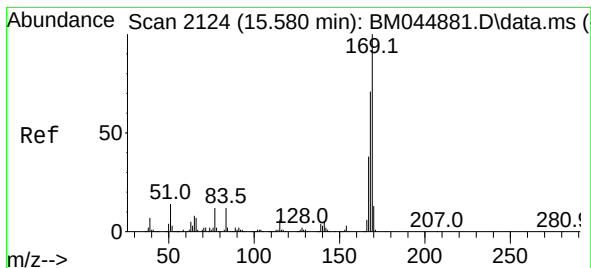
Tgt Ion:138 Resp: 67914
Ion Ratio Lower Upper
138 100
92 50.3 29.7 69.7
108 89.3 67.5 107.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.057 min Scan# 2375
Delta R.T. -0.000 min
Lab File: BM044892.D
Acq: 03 Apr 2024 13:02

Tgt Ion:188 Resp: 404911
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.3 7.7 11.5





#66

n-Nitrosodiphenylamine

Concen: 12.662 ng

RT: 15.574 min Scan# 2124

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

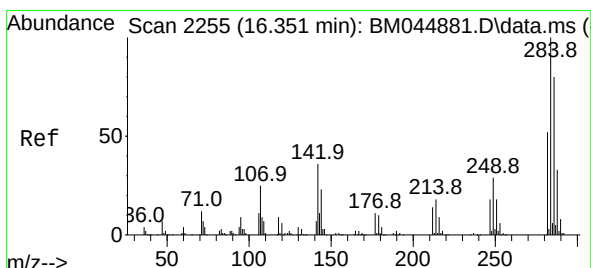
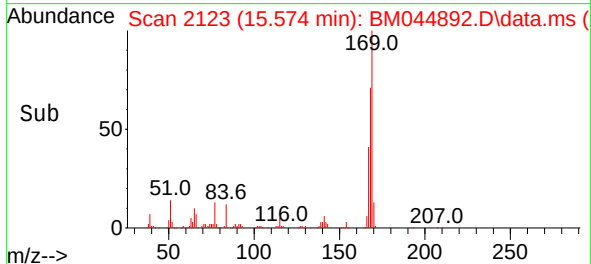
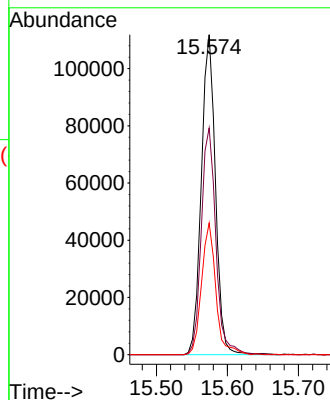
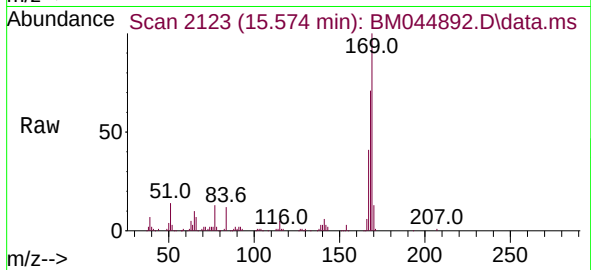
Tgt Ion:169 Resp: 155132

Ion Ratio Lower Upper

169 100

168 70.8 57.2 85.8

167 41.1 30.8 46.2



#68

Hexachlorobenzene

Concen: 13.417 ng

RT: 16.351 min Scan# 2255

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

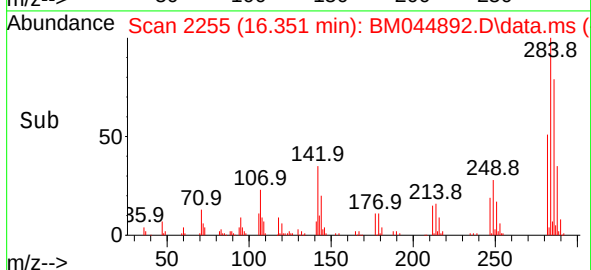
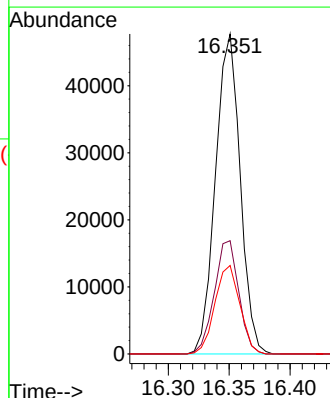
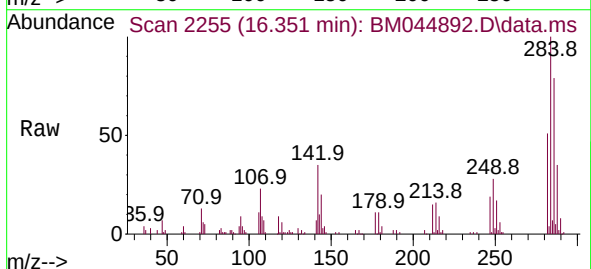
Tgt Ion:284 Resp: 67247

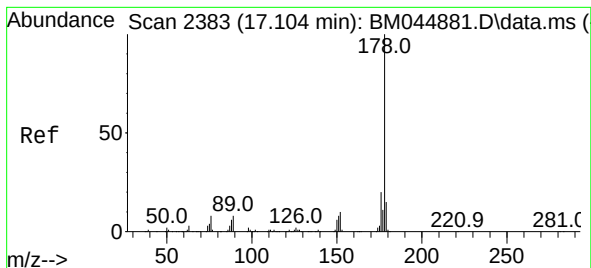
Ion Ratio Lower Upper

284 100

142 35.4 29.0 43.4

249 27.7 23.0 34.6





#71

Phenanthrene

Concen: 15.810 ng

RT: 17.098 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

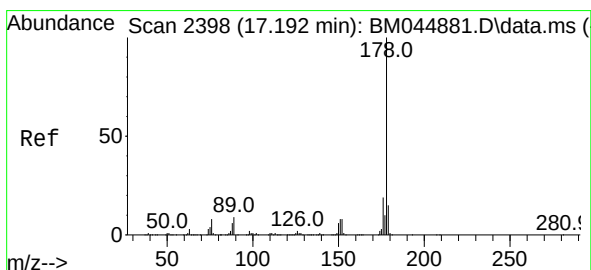
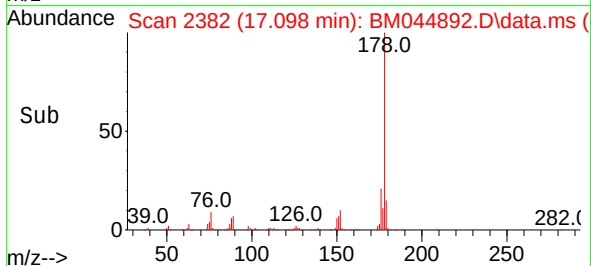
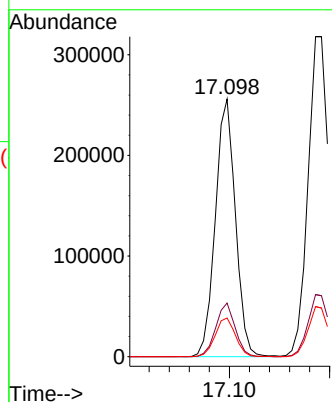
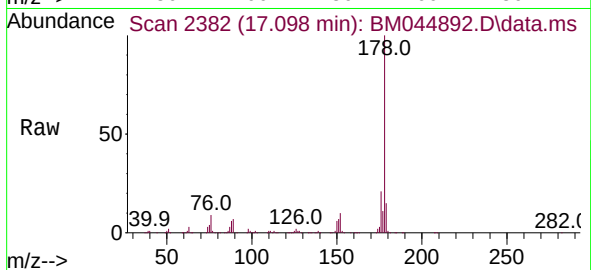
Tgt Ion:178 Resp: 355825

Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

179 15.0 12.4 18.6



#72

Anthracene

Concen: 21.031 ng

RT: 17.186 min Scan# 2397

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

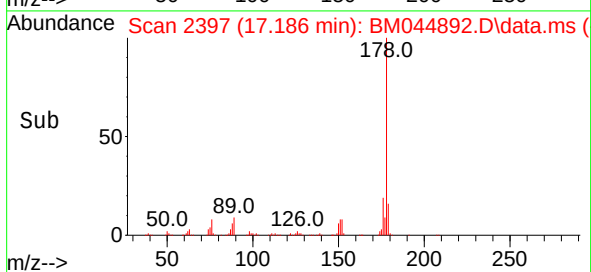
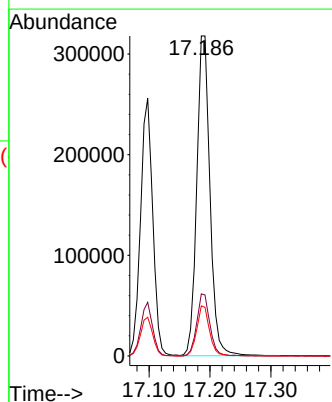
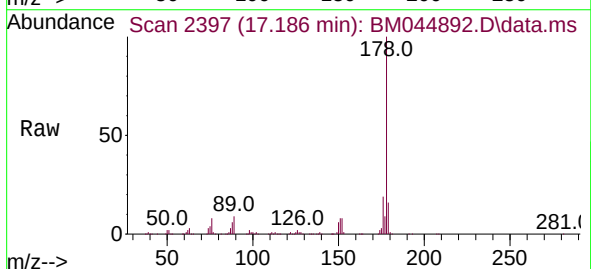
Tgt Ion:178 Resp: 479265

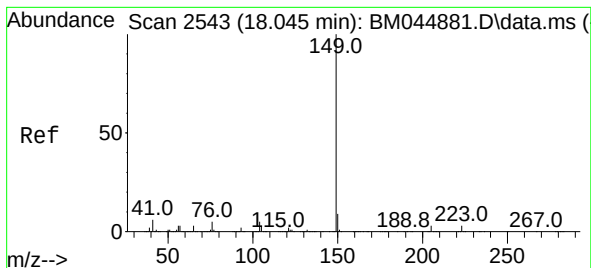
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.7 12.3 18.5





#74

Di-n-butylphthalate

Concen: 33.058 ng

RT: 18.039 min Scan# 2542

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

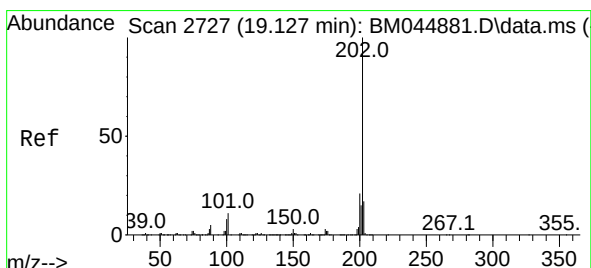
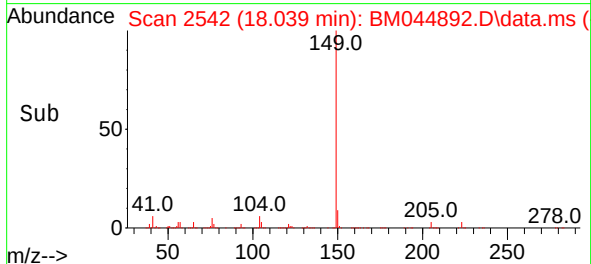
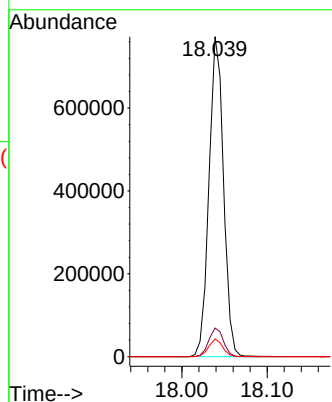
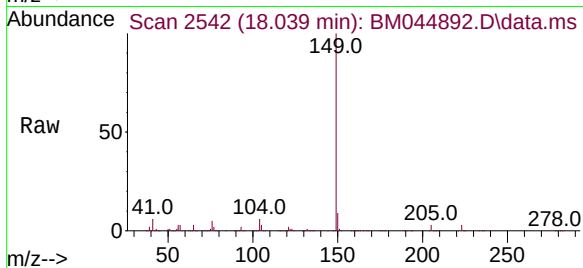
Tgt Ion:149 Resp: 913007

Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

104 5.6 4.2 6.2



#75

Fluoranthene

Concen: 34.779 ng

RT: 19.127 min Scan# 2727

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

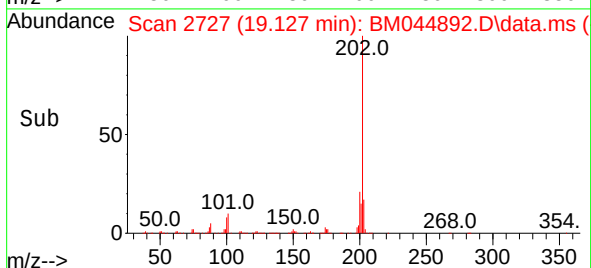
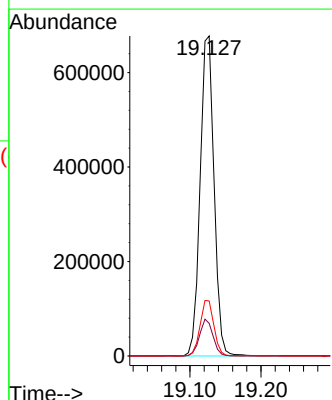
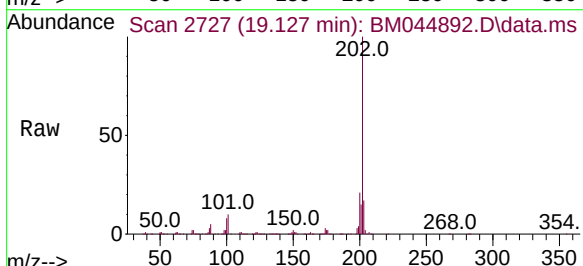
Tgt Ion:202 Resp: 926302

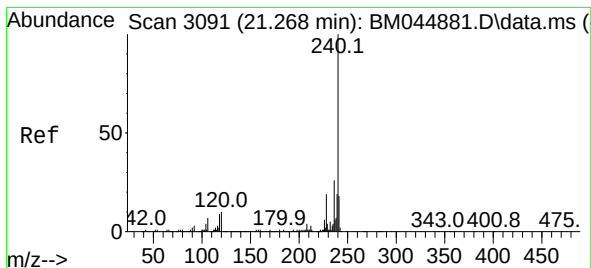
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.9

203 17.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.262 min Scan# 3091

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

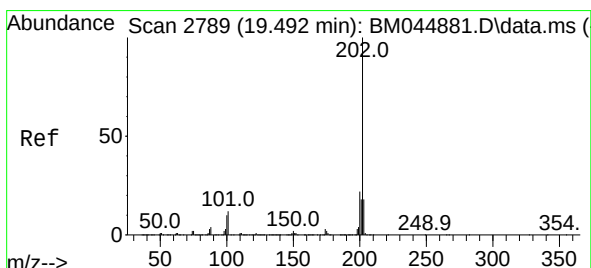
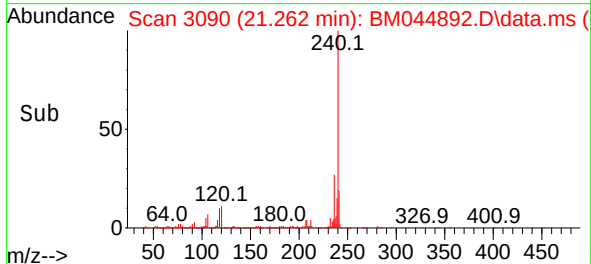
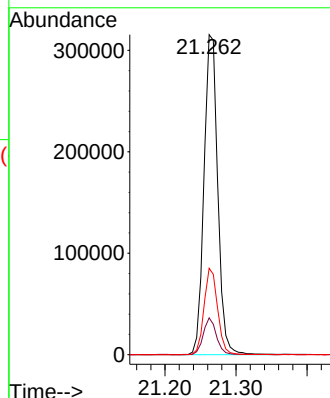
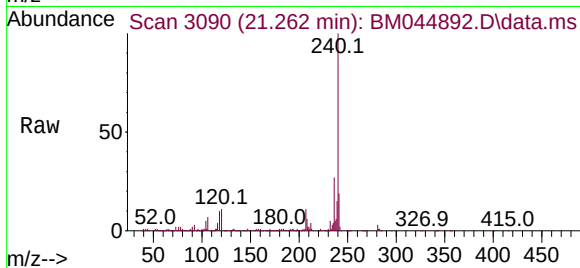
Tgt Ion:240 Resp: 425648

Ion Ratio Lower Upper

240 100

120 11.5 7.8 11.8

236 27.0 20.6 30.8



#78

Pyrene

Concen: 17.918 ng

RT: 19.492 min Scan# 2789

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

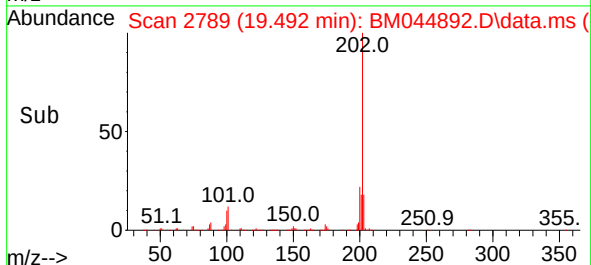
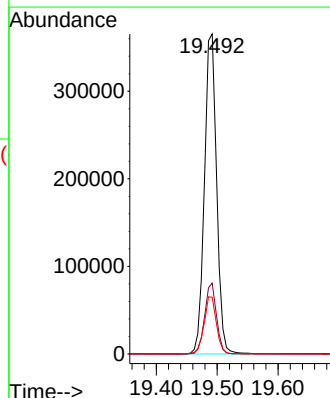
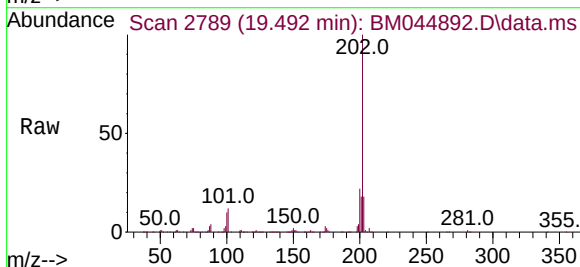
Tgt Ion:202 Resp: 507852

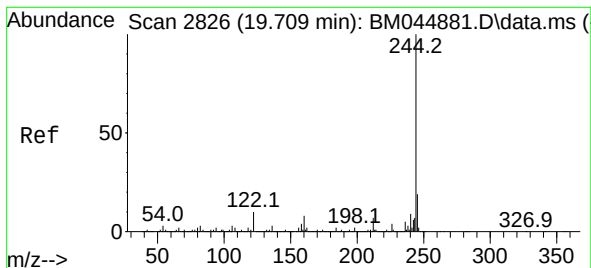
Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.0

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 19.316 ng

RT: 19.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

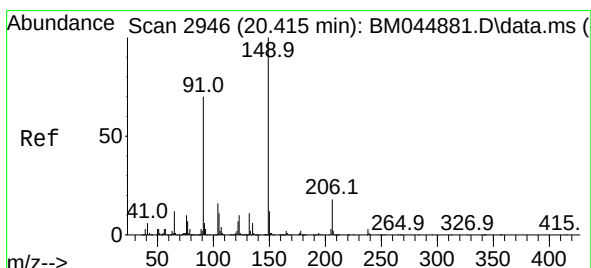
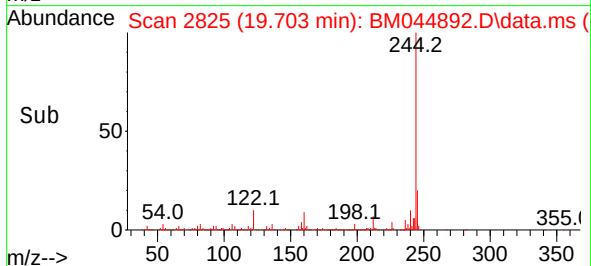
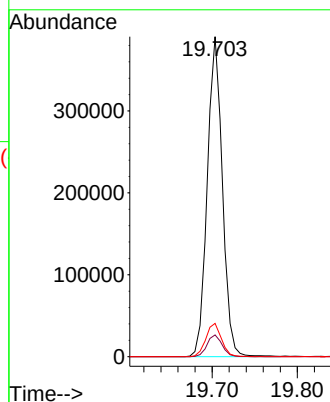
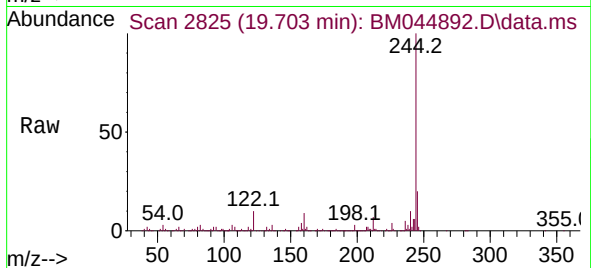
Tgt Ion:244 Resp: 481180

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.4 7.8 11.8



#80

Butylbenzylphthalate

Concen: 27.067 ng

RT: 20.415 min Scan# 2946

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

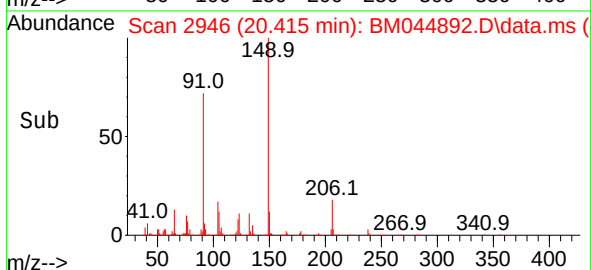
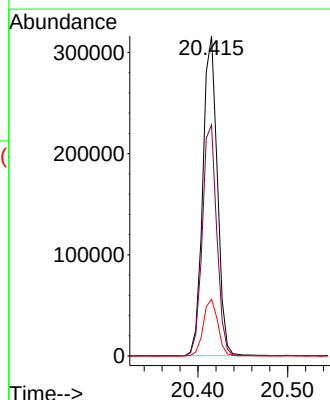
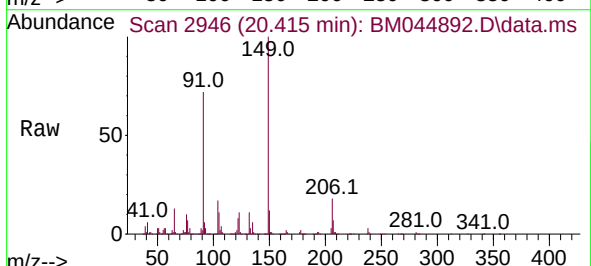
Tgt Ion:149 Resp: 354013

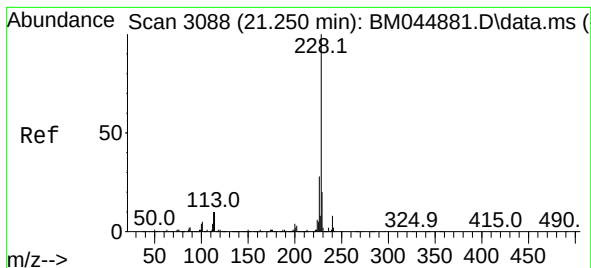
Ion Ratio Lower Upper

149 100

91 72.2 56.2 84.2

206 17.8 14.8 22.2





#81

Benzo(a)anthracene

Concen: 10.890 ng

RT: 21.303 min Scan# 3088

Delta R.T. 0.053 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

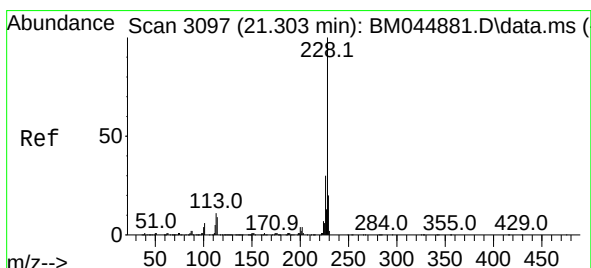
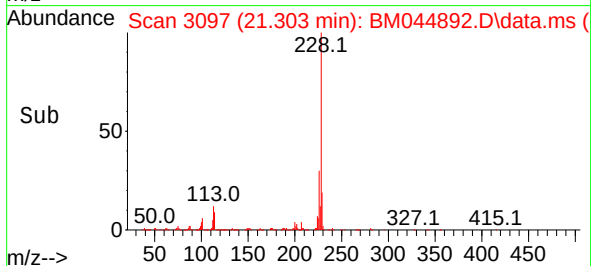
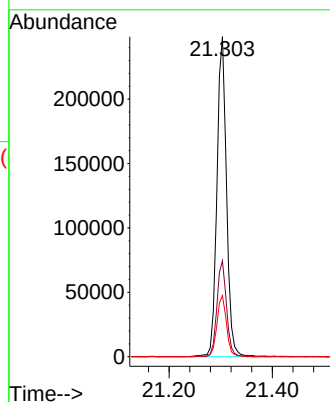
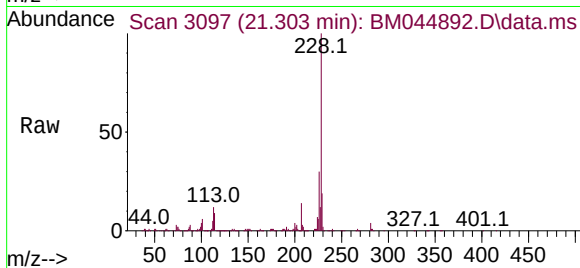
Tgt Ion:228 Resp: 319814

Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

229 19.1 15.8 23.8



#83

Chrysene

Concen: 11.474 ng

RT: 21.303 min Scan# 3097

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

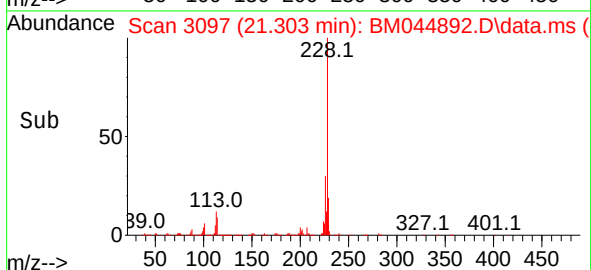
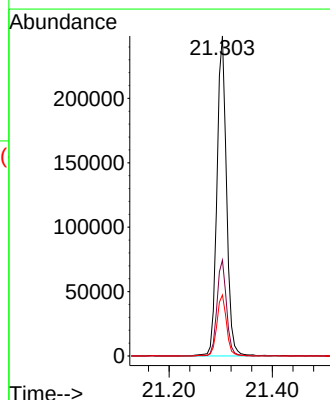
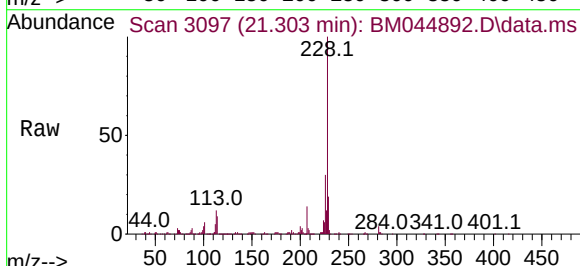
Tgt Ion:228 Resp: 319814

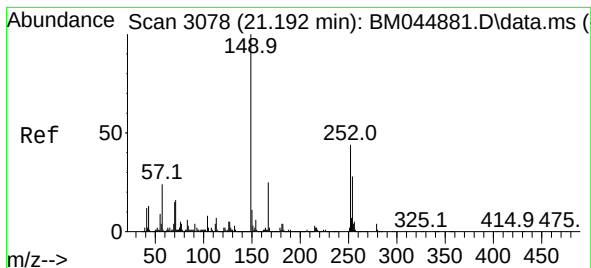
Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 19.1 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.818 ng

RT: 21.197 min Scan# 3078

Delta R.T. 0.006 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

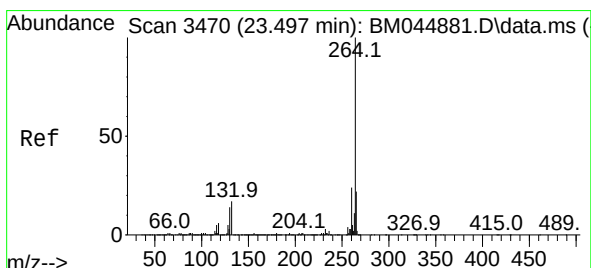
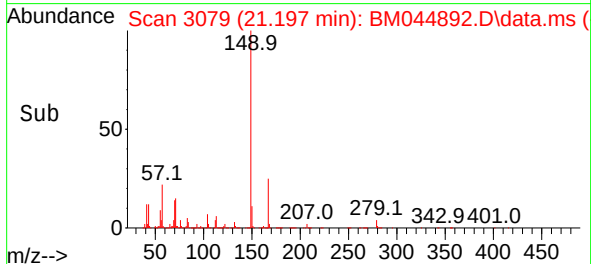
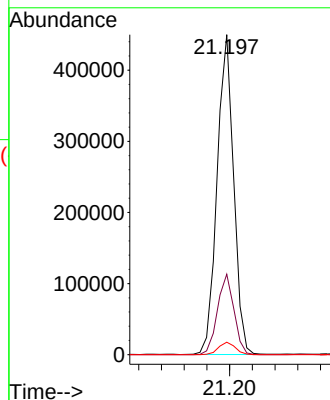
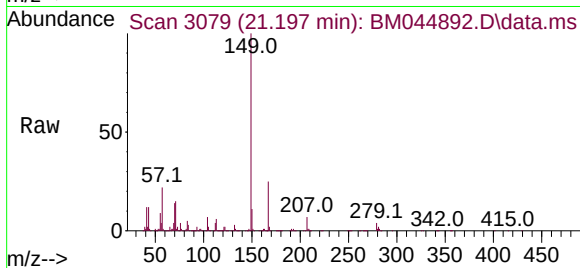
Tgt Ion:149 Resp: 455820

Ion Ratio Lower Upper

149 100

167 25.1 20.3 30.5

279 3.9 2.8 4.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.497 min Scan# 3470

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

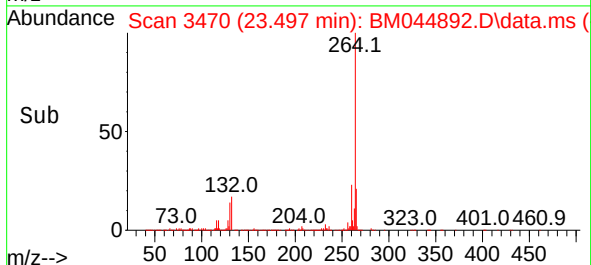
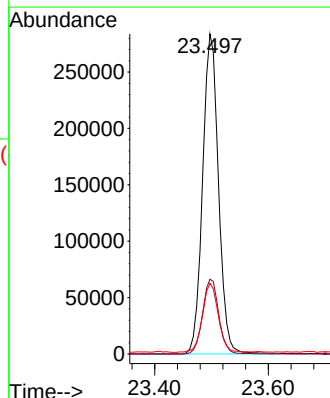
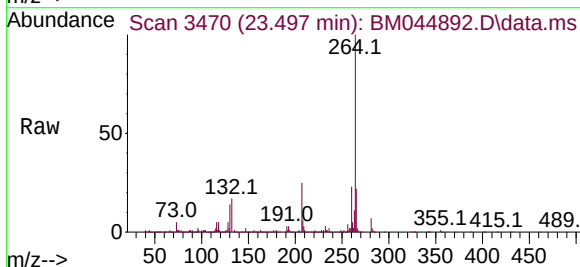
Tgt Ion:264 Resp: 549672

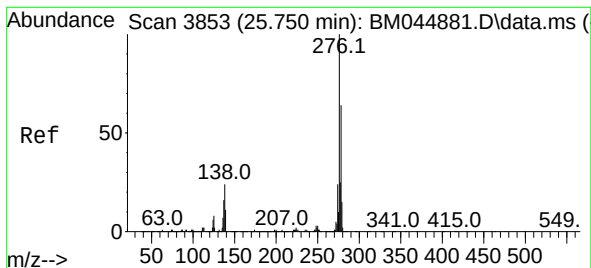
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 30.043 ng

RT: 25.750 min Scan# 3853

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

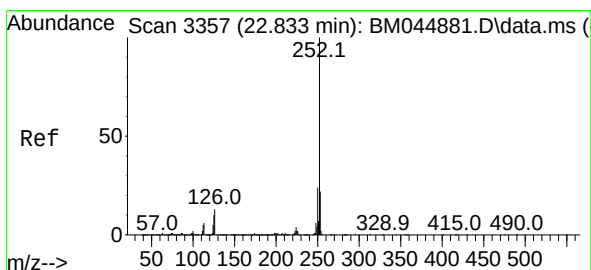
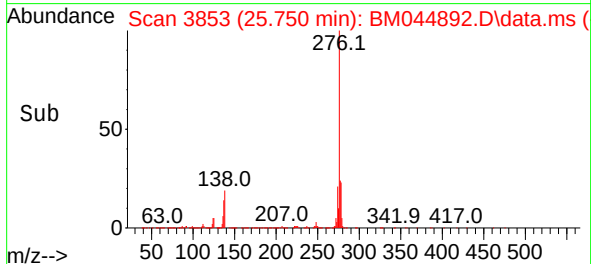
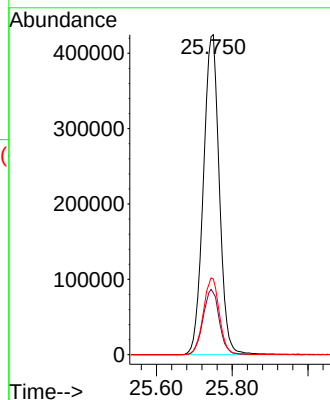
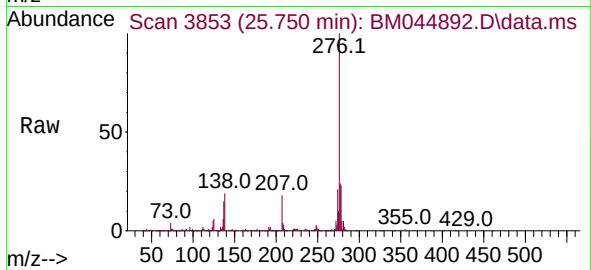
Tgt Ion:276 Resp: 1239073

Ion Ratio Lower Upper

276 100

138 20.9 20.2 30.2

277 24.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 30.566 ng

RT: 22.833 min Scan# 3357

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

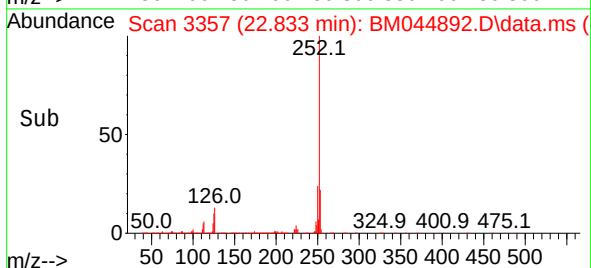
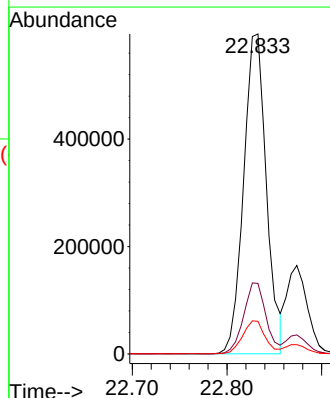
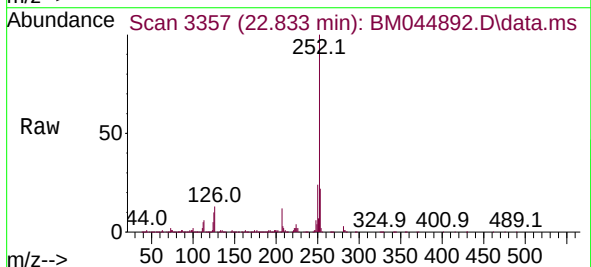
Tgt Ion:252 Resp: 996202

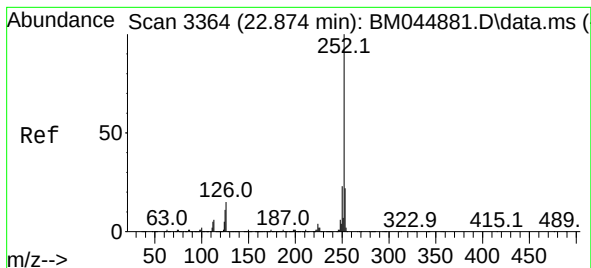
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.2 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 7.639 ng

RT: 22.874 min Scan# 3364

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

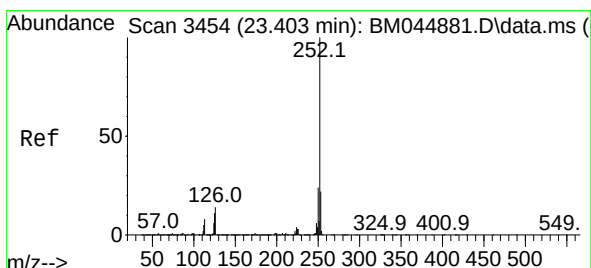
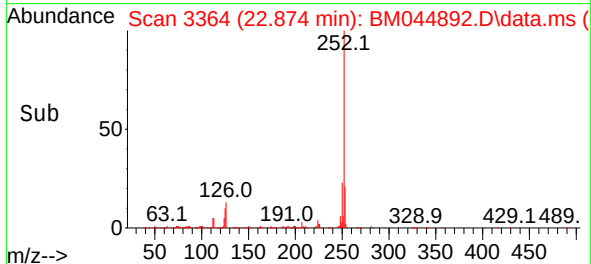
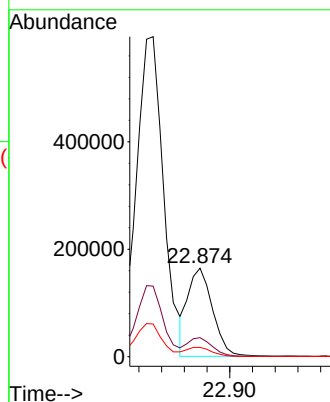
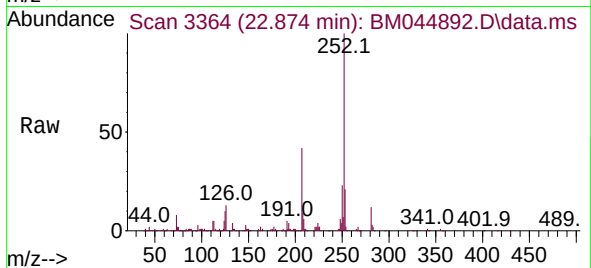
Tgt Ion:252 Resp: 247258

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 10.4 8.6 12.8



#90

Benzo(a)pyrene

Concen: 14.563 ng

RT: 23.403 min Scan# 3454

Delta R.T. -0.000 min

Lab File: BM044892.D

Acq: 03 Apr 2024 13:02

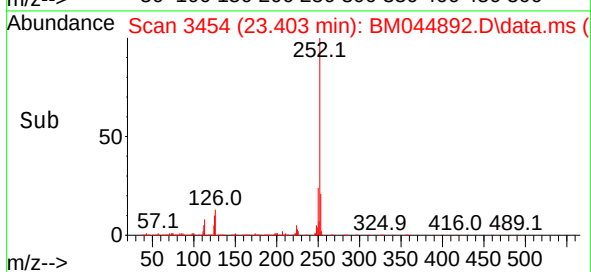
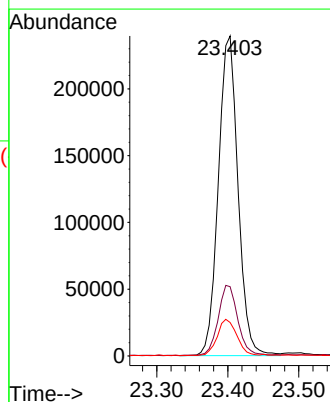
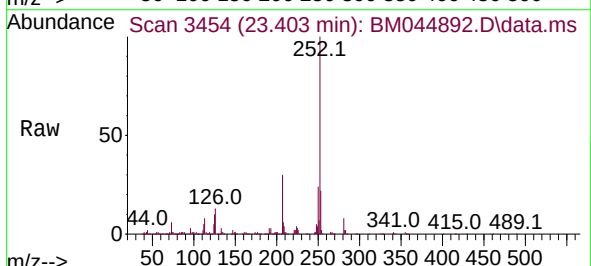
Tgt Ion:252 Resp: 459727

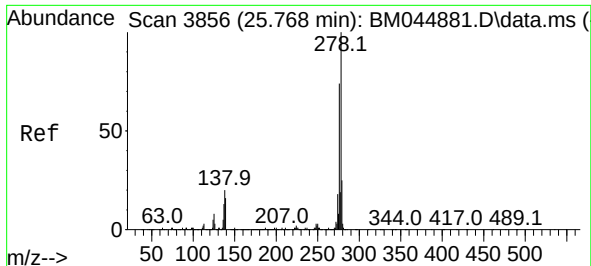
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.5 8.9 13.3

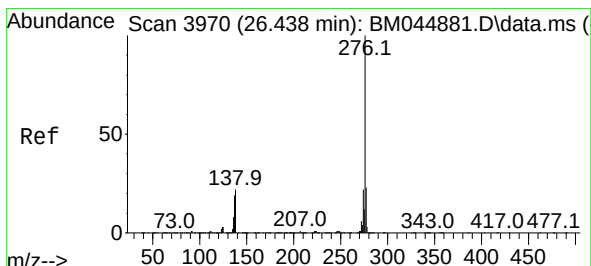
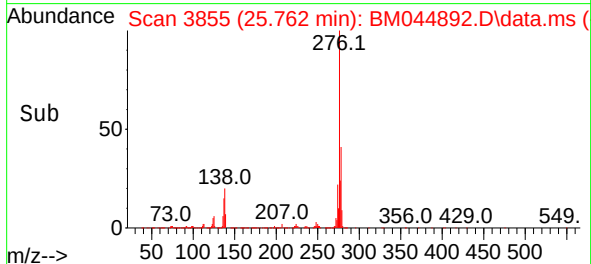
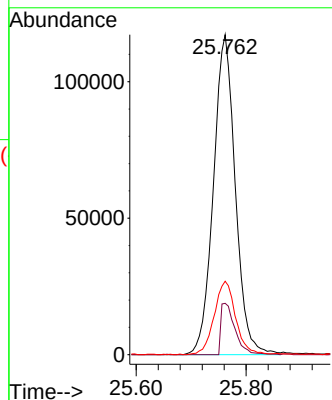
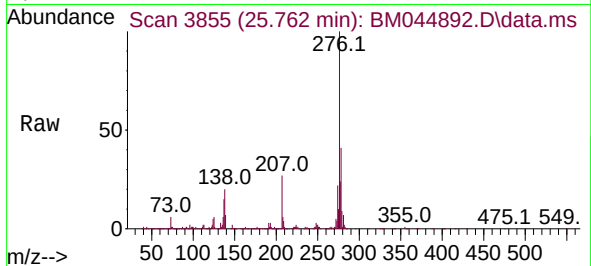




#91
 Dibenzo(a,h)anthracene
 Concen: 9.348 ng
 RT: 25.762 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM044892.D
 Acq: 03 Apr 2024 13:02

Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WPDL

Tgt Ion:278 Resp: 324647
 Ion Ratio Lower Upper
 278 100
 139 16.0 12.7 19.1
 279 22.9 19.7 29.5



#92
 Benzo(g,h,i)perylene
 Concen: 5.831 ng
 RT: 26.426 min Scan# 3968
 Delta R.T. -0.012 min
 Lab File: BM044892.D
 Acq: 03 Apr 2024 13:02

Tgt Ion:276 Resp: 194529
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 27.8
 138 22.1 17.4 26.2

