

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
 Data File : BM049901.D
 Acq On : 11 Apr 2025 14:57
 Operator : RC/JU
 Sample : Q1753-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-2

Quant Time: Apr 11 15:35:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

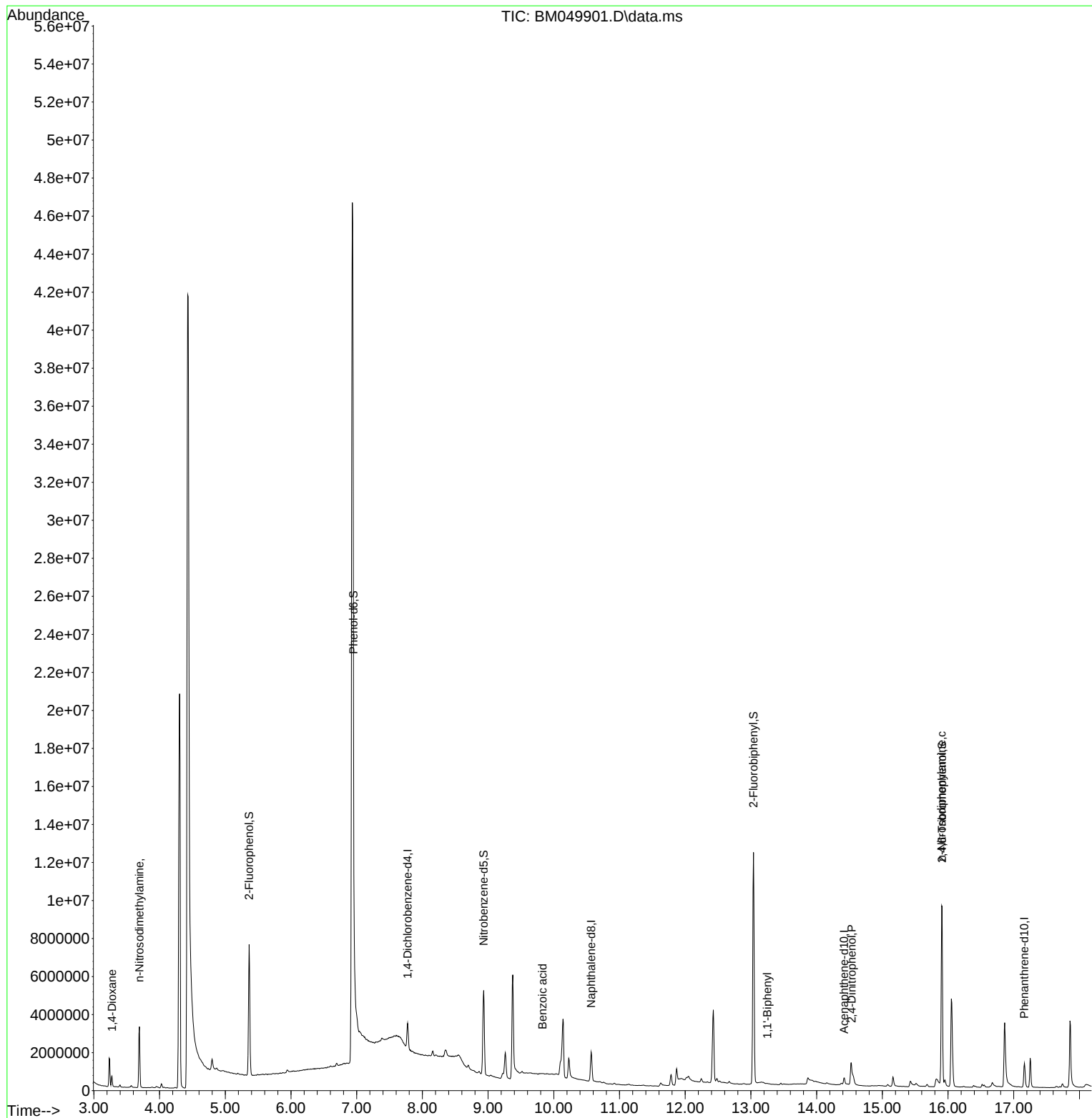
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	378429	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1169151	20.000	ng	# 0.00
39) Acenaphthene-d10	14.416	164	68395	20.000	ng	# 0.00
64) Phenanthrene-d10	17.163	188	521187	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2630	20.000	ng	# 0.00
86) Perylene-d12	24.415	264	301	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2953160	132.513	ng	0.00
7) Phenol-d6	6.951	99	384070	13.852	ng	0.00
23) Nitrobenzene-d5	8.934	82	2546713	121.297	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1982601	1992.904	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	6645650	1317.578	ng	0.00
79) Terphenyl-d14	19.786	244	2165574	15431.153	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.275	88	80462	8.767	ng	# 1
4) n-Nitrosodimethylamine	3.693	42	60169	6.557	ng	# 1
32) Benzoic acid	9.828	122	13036	9.250	ng	# 70
46) 1,1'-Biphenyl	13.251	154	13818	2.718	ng	92
54) 2,4-Dinitrophenol	14.533	184	55	7.293	ng	# 1
66) n-Nitrosodiphenylamine	15.904	169	54115	3.470	ng	# 46
77) Benzidine	19.415	184	209	5.990	ng	# 1
78) Pyrene	19.586	202	2054	11.332	ng	# 80
80) Butylbenzylphthalate	20.527	149	841	12.348	ng	95
81) Benzo(a)anthracene	21.380	228	1829	10.464	ng	# 60
82) 3,3'-Dichlorobenzidine	21.315	252	309	4.681	ng	# 45
83) Chrysene	21.445	228	4368	26.286	ng	# 59
84) Bis(2-ethylhexyl)phtha...	21.315	149	813	8.193	ng	# 89
85) Di-n-octyl phthalate	22.480	149	626	3.606	ng	# 1
87) Indeno(1,2,3-cd)pyrene	27.809	276	545	24.290	ng	# 70
88) Benzo(b)fluoranthene	23.456	252	2779	144.561	ng	# 1
89) Benzo(k)fluoranthene	23.527	252	2312	124.106	ng	# 1
90) Benzo(a)pyrene	24.280	252	566	33.506	ng	# 1
91) Dibenzo(a,h)anthracene	27.862	278	872	47.184	ng	# 1
92) Benzo(g,h,i)perylene	28.850	276	564	29.865	ng	# 1

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

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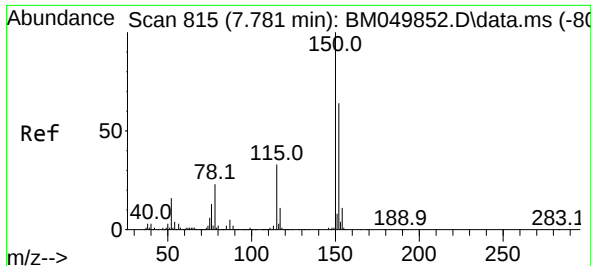
Instrument :
BNA_M
ClientSampleId :
WC-2

Quant Time: Apr 11 15:35:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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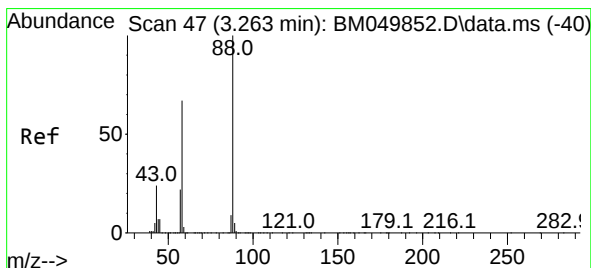
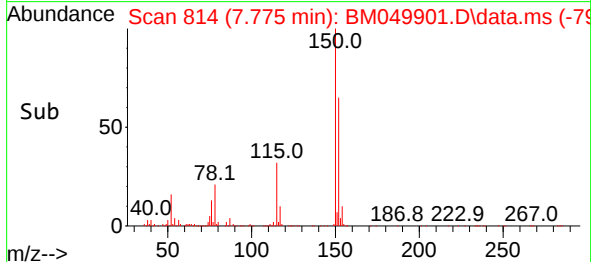
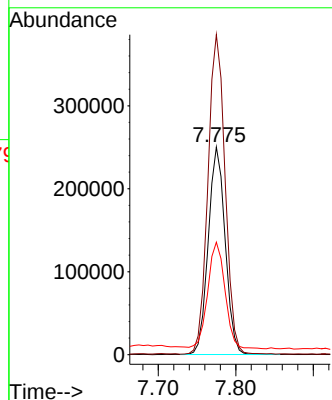
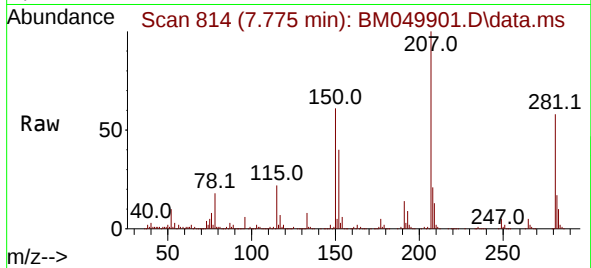




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.775 min Scan# 815
 Delta R.T. -0.006 min
 Lab File: BM049901.D
 Acq: 11 Apr 2025 14:57

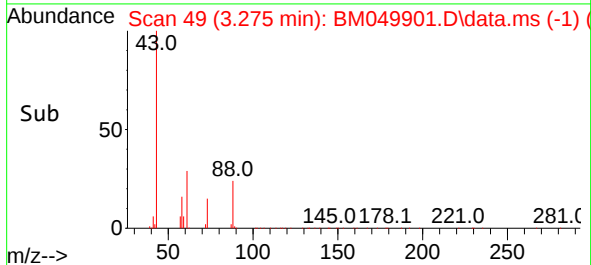
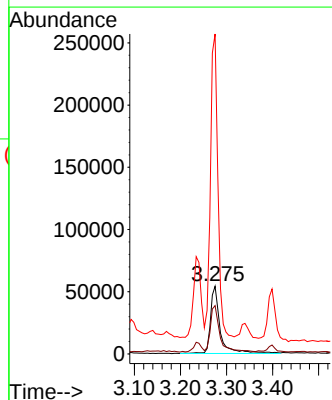
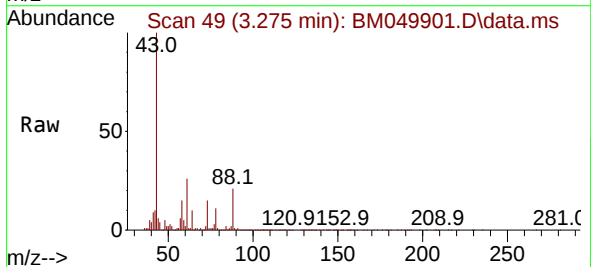
Instrument :
 BNA_M
 ClientSampleId :
 WC-2

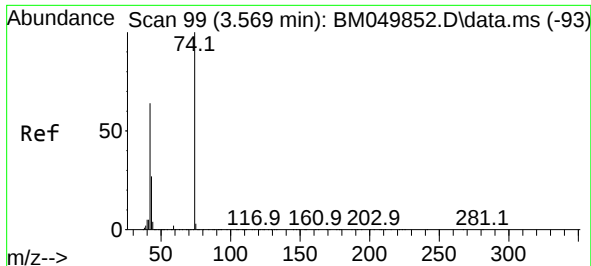
Tgt Ion:152 Resp: 378429
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.3 186.5
 115 54.2 41.1 61.7



#2
 1,4-Dioxane
 Concen: 8.767 ng
 RT: 3.275 min Scan# 49
 Delta R.T. 0.012 min
 Lab File: BM049901.D
 Acq: 11 Apr 2025 14:57

Tgt Ion: 88 Resp: 80462
 Ion Ratio Lower Upper
 88 100
 58 65.1 54.1 81.1
 43 346.0 20.2 30.4

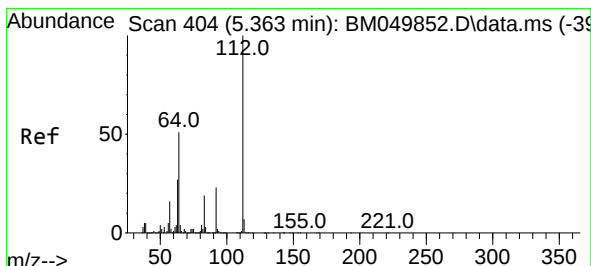
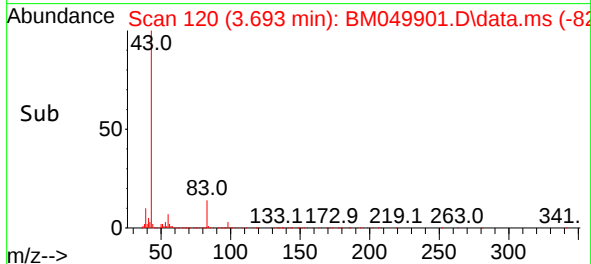
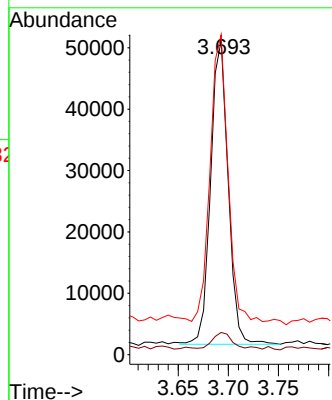
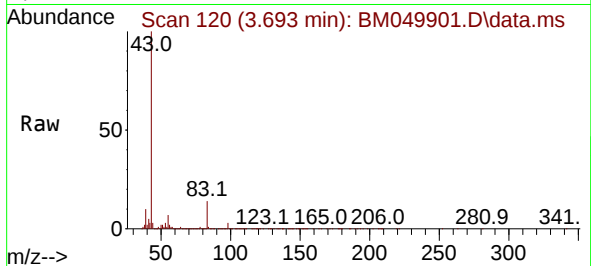




#4
n-Nitrosodimethylamine
Concen: 6.557 ng
RT: 3.693 min Scan# 11
Delta R.T. 0.124 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

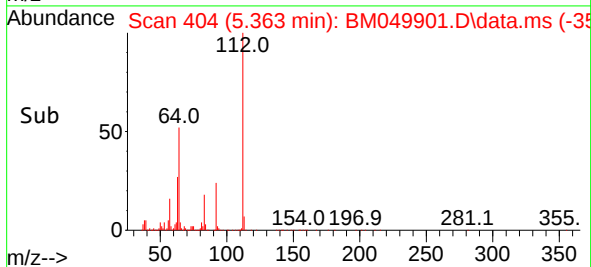
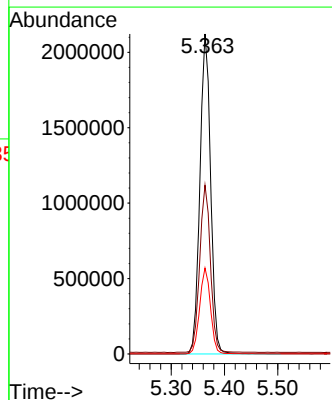
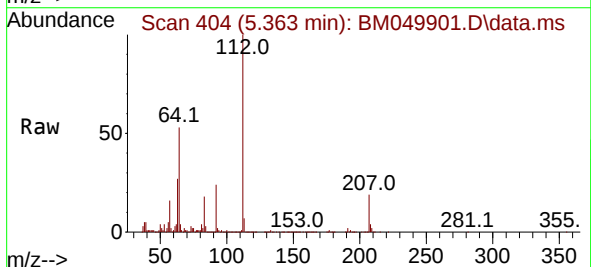
Instrument :
BNA_M
ClientSampleId :
WC-2

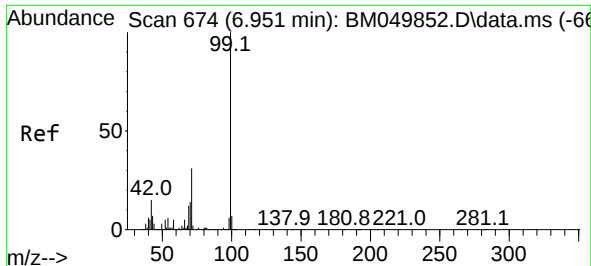
Tgt Ion: 42 Resp: 60169
Ion Ratio Lower Upper
42 100
74 7.1 125.4 188.2#
44 101.9 5.9 8.9#



#5
2-Fluorophenol
Concen: 132.513 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion: 112 Resp: 2953160
Ion Ratio Lower Upper
112 100
64 52.8 41.0 61.6
63 26.8 21.5 32.3

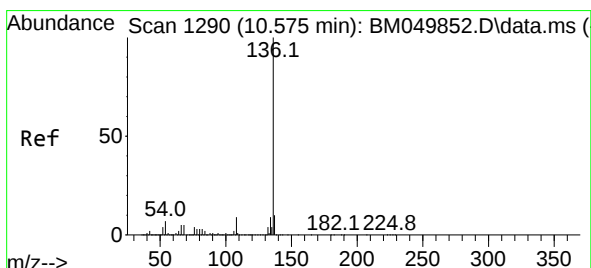
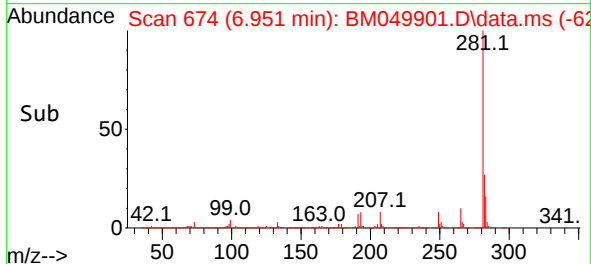
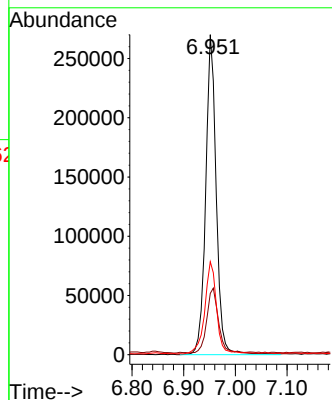
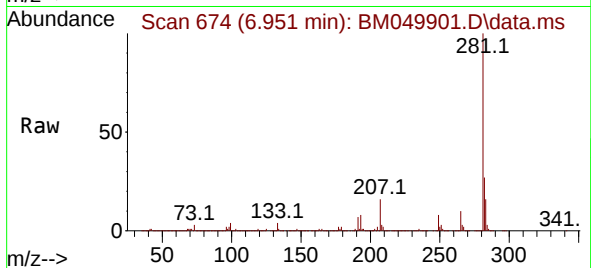




#7
Phenol-d6
Concen: 13.852 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

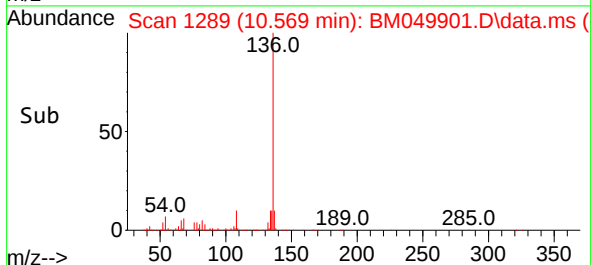
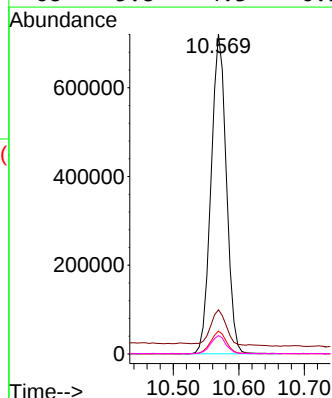
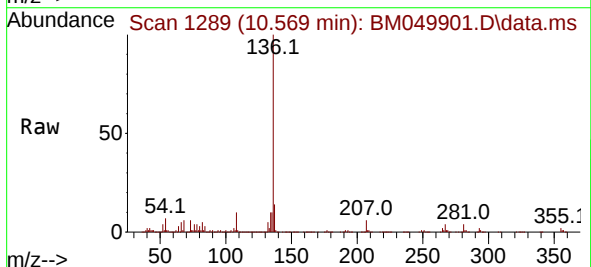
Instrument :
BNA_M
ClientSampleId :
WC-2

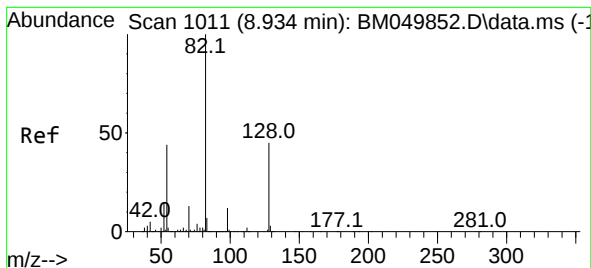
Tgt Ion: 99 Resp: 384070
Ion Ratio Lower Upper
99 100
42 19.2 12.1 18.1#
71 29.0 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion: 136 Resp: 1169151
Ion Ratio Lower Upper
136 100
137 13.8 8.4 12.6#
54 7.2 5.3 7.9
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 121.297 ng

RT: 8.934 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

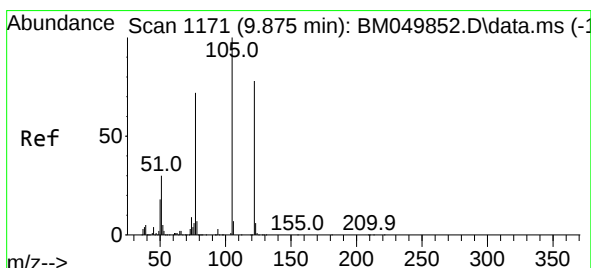
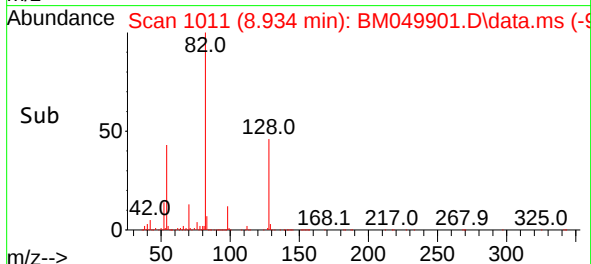
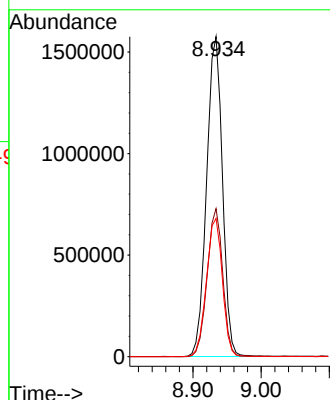
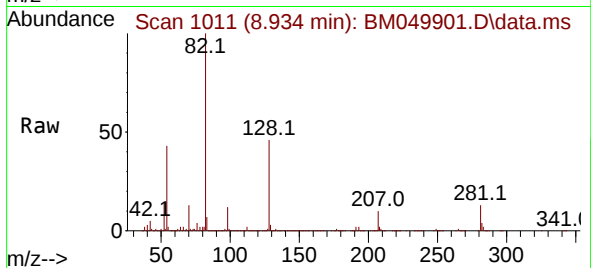
Tgt Ion: 82 Resp: 2546713

Ion Ratio Lower Upper

82 100

128 46.2 36.2 54.2

54 43.2 35.0 52.6



#32

Benzoic acid

Concen: 9.250 ng

RT: 9.828 min Scan# 1163

Delta R.T. -0.047 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

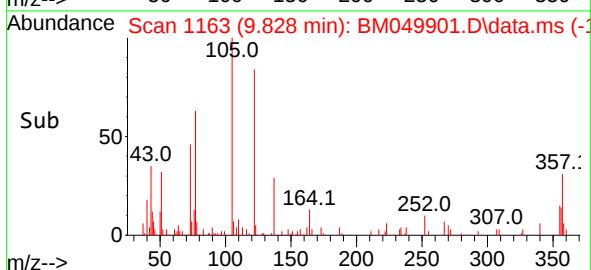
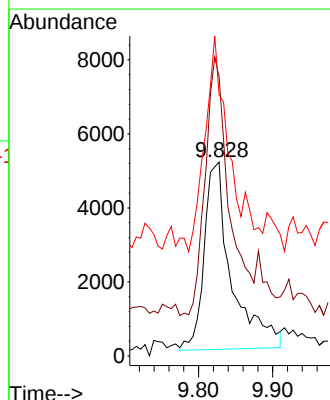
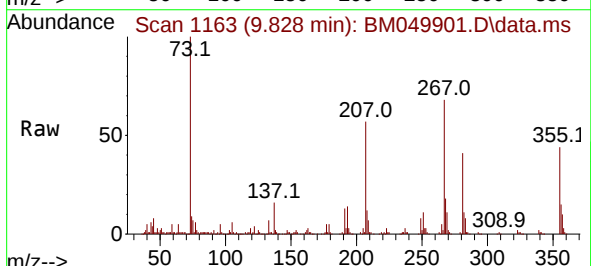
Tgt Ion:122 Resp: 13036

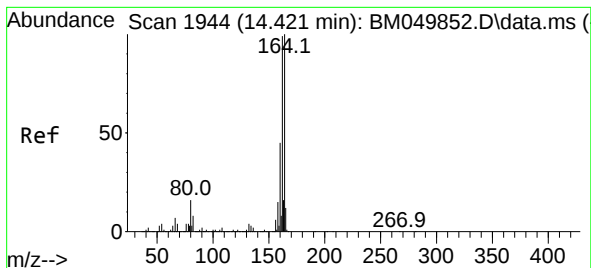
Ion Ratio Lower Upper

122 100

105 143.9 103.8 143.8#

77 134.7 70.7 110.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

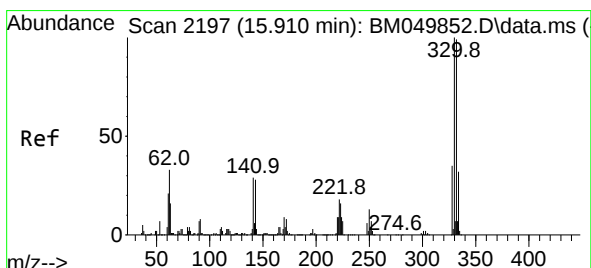
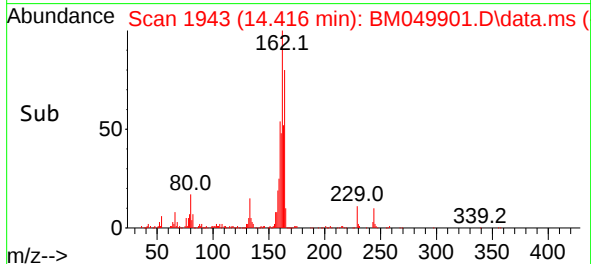
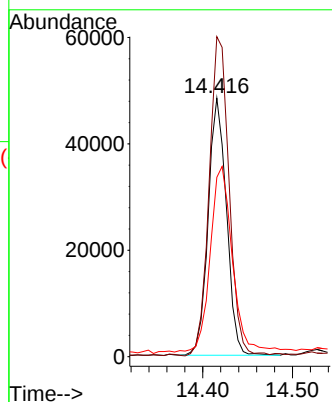
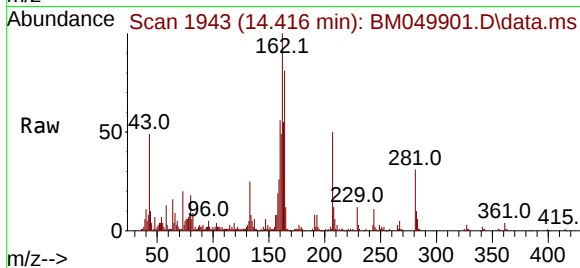
Tgt Ion:164 Resp: 68395

Ion Ratio Lower Upper

164 100

162 123.7 79.4 119.0#

160 69.3 36.2 54.2#



#42

2,4,6-Tribromophenol

Concen: 1992.904 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

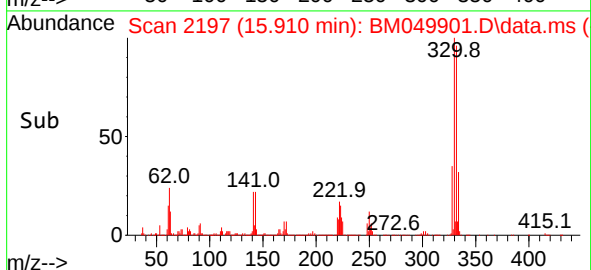
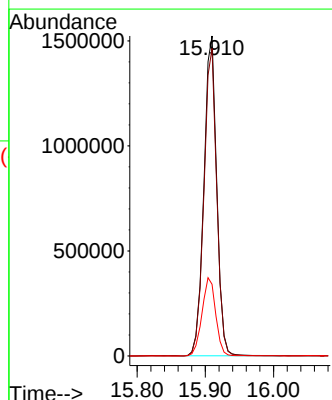
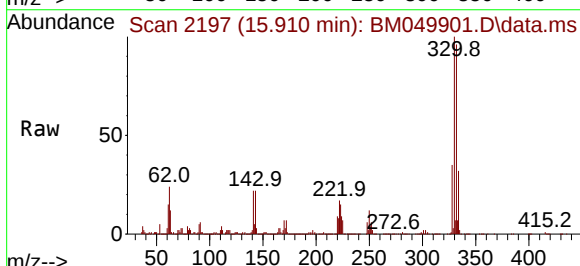
Tgt Ion:330 Resp: 1982601

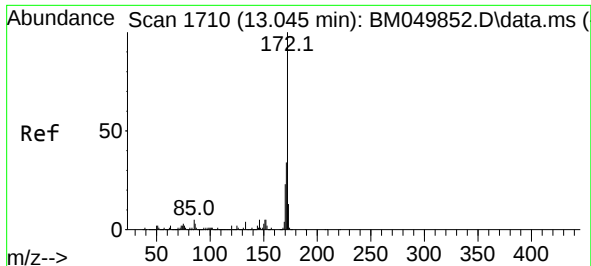
Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

141 26.3 23.5 35.3

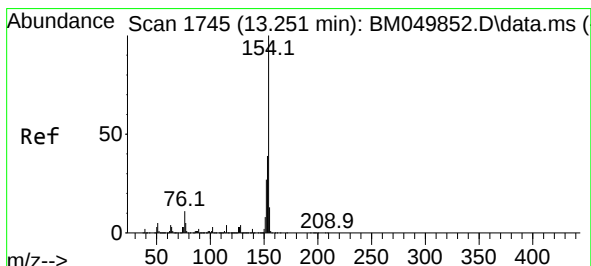
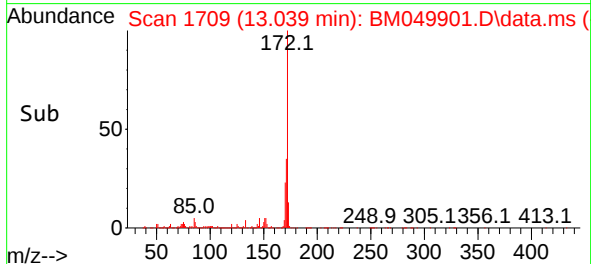
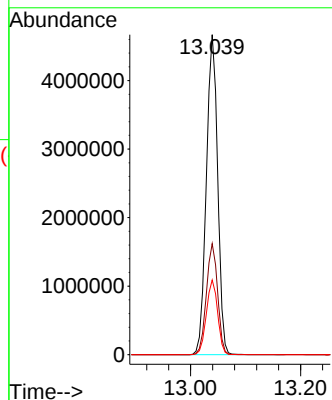
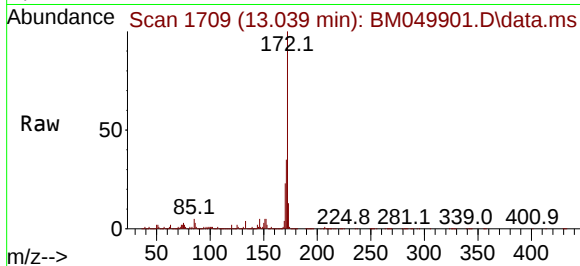




#45
2-Fluorobiphenyl
Concen: 1317.578 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

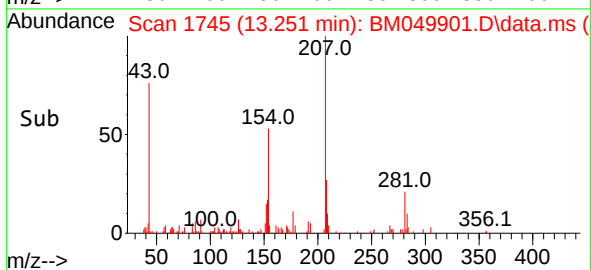
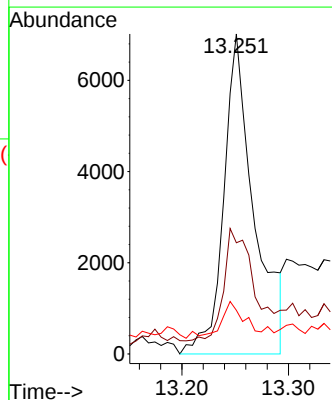
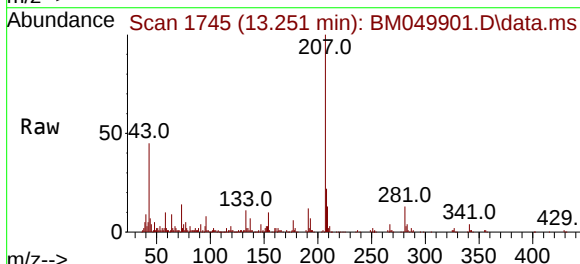
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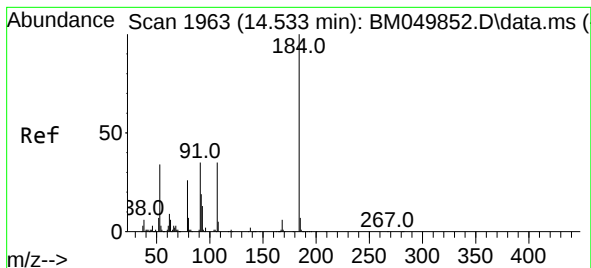
Tgt Ion:172 Resp: 6645650
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.2
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 2.718 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion:154 Resp: 13818
Ion Ratio Lower Upper
154 100
153 34.7 19.3 59.3
76 13.7 0.0 30.7

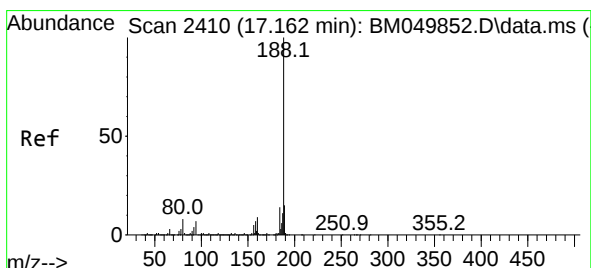
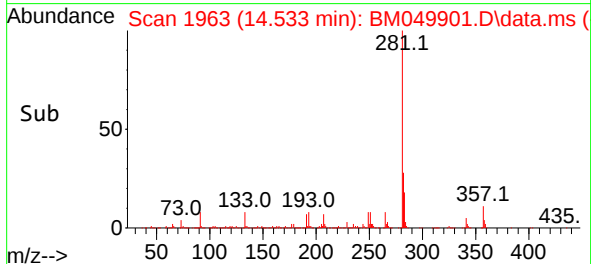
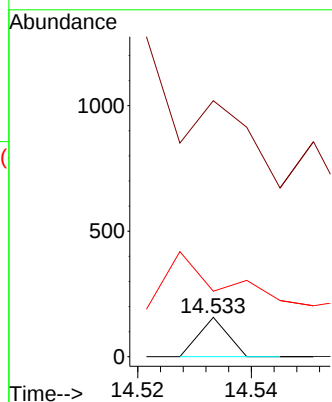
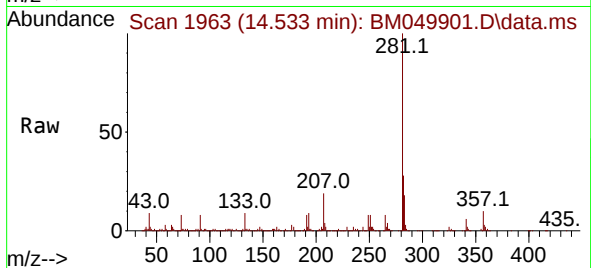




#54
2,4-Dinitrophenol
Concen: 7.293 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

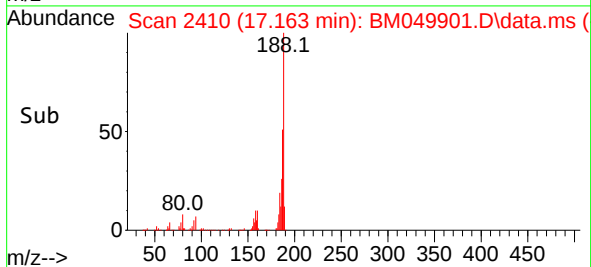
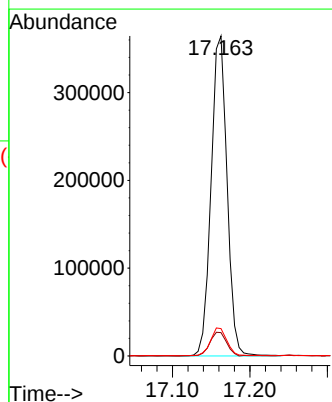
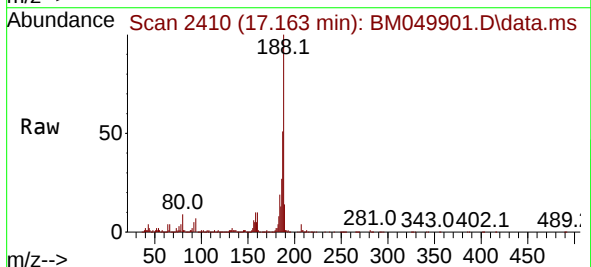
Instrument :
BNA_M
ClientSampleId :
WC-2

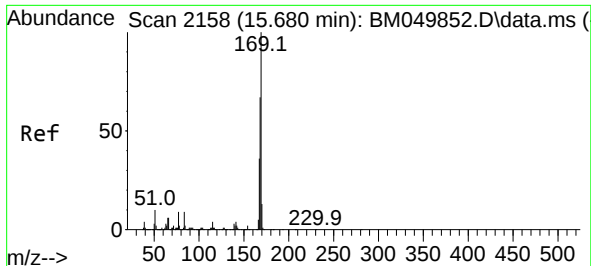
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 649.7 38.4 57.6#
154 166.2 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion:188 Resp: 521187
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 8.6 6.4 9.6

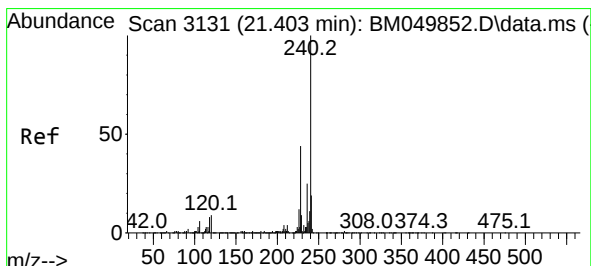
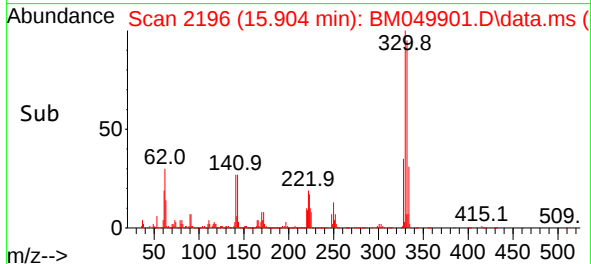
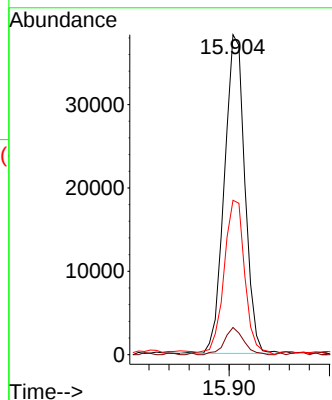
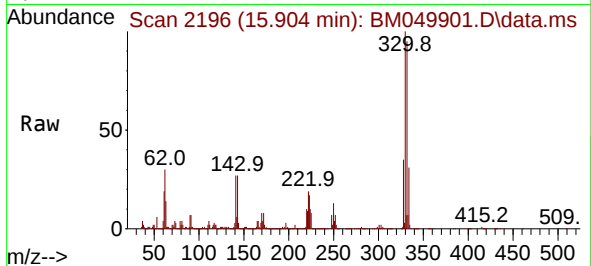




#66
n-Nitrosodiphenylamine
Concen: 3.470 ng
RT: 15.904 min Scan# 2158
Delta R.T. 0.224 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

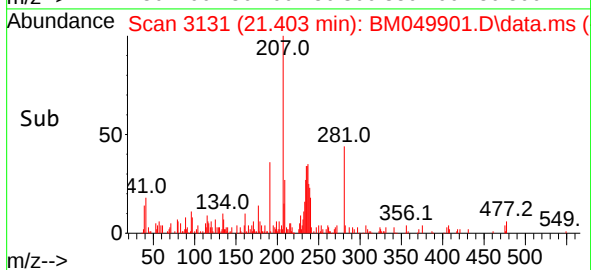
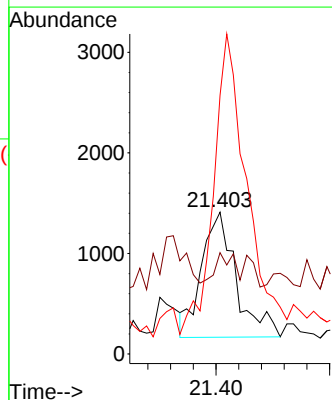
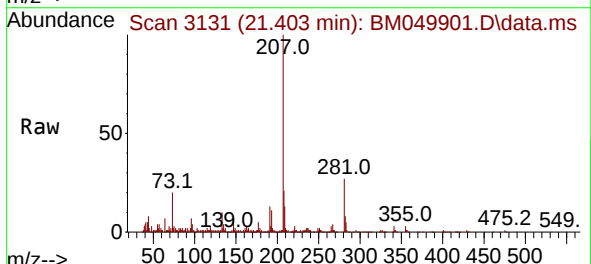
Instrument :
BNA_M
ClientSampleId :
WC-2

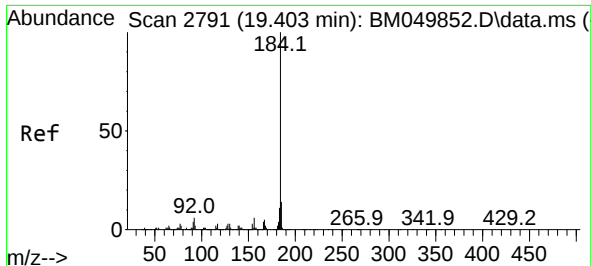
Tgt Ion:169 Resp: 54115
Ion Ratio Lower Upper
169 100
168 8.5 53.4 80.2#
167 48.3 29.0 43.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion:240 Resp: 2630
Ion Ratio Lower Upper
240 100
120 71.4 6.9 10.3#
236 182.4 20.4 30.6#

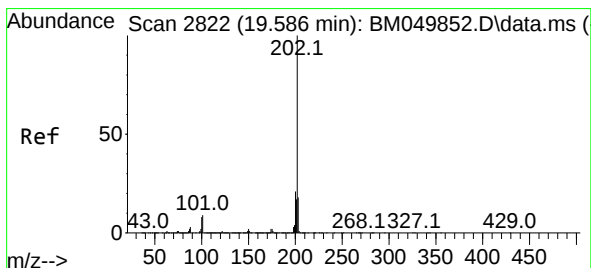
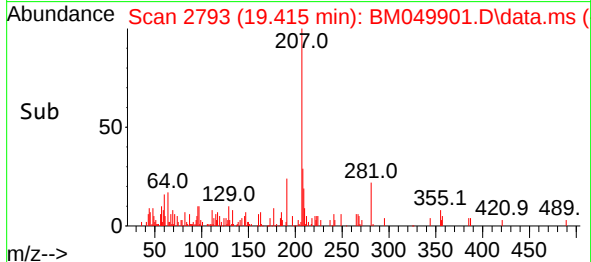
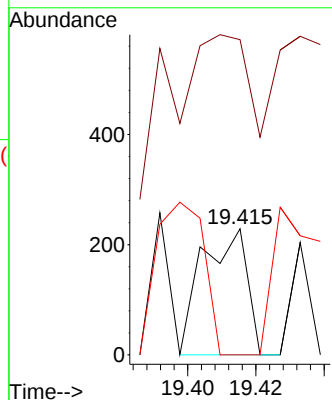
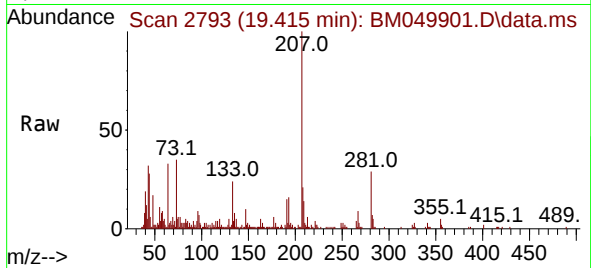




#77
Benzidine
Concen: 5.990 ng
RT: 19.415 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

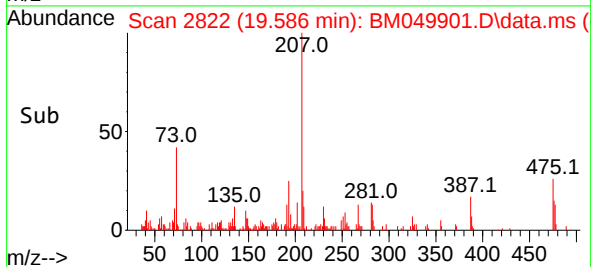
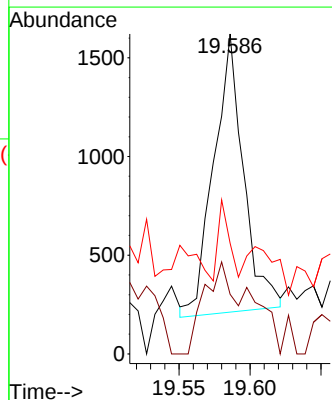
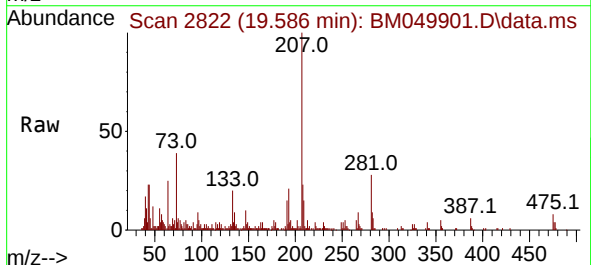
Instrument :
BNA_M
ClientSampleId :
WC-2

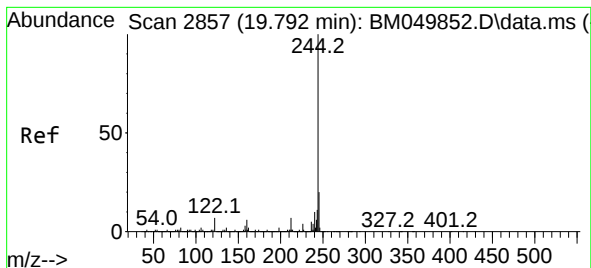
Tgt Ion:184 Resp: 209
Ion Ratio Lower Upper
184 100
185 249.8 11.4 17.2#
183 0.0 8.8 13.2#



#78
Pyrene
Concen: 11.332 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion:202 Resp: 2054
Ion Ratio Lower Upper
202 100
200 18.6 16.5 24.7
203 34.6 14.0 21.0#





#79

Terphenyl-d14

Concen: 15431.153 ng

RT: 19.786 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

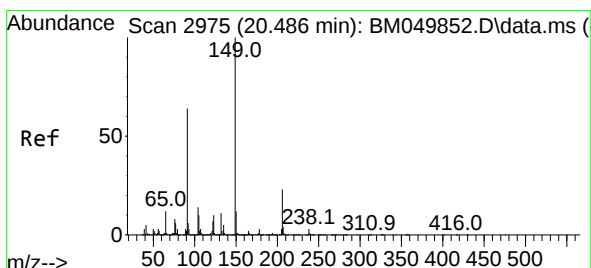
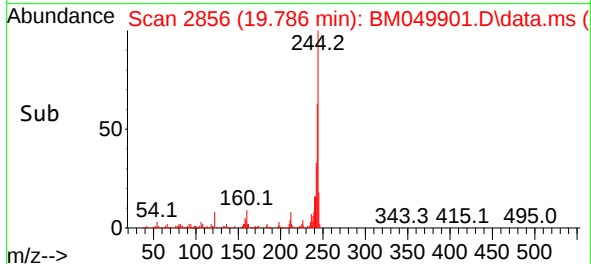
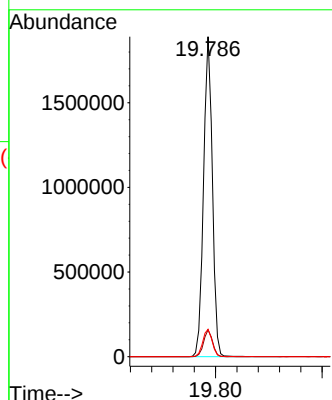
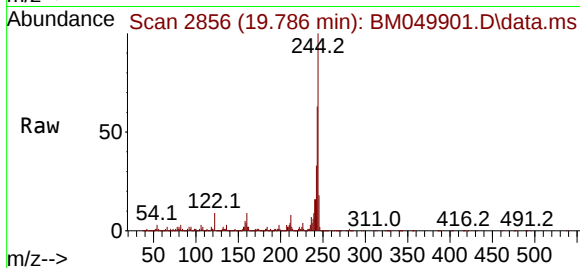
Tgt Ion:244 Resp: 2165574

Ion Ratio Lower Upper

244 100

212 8.4 5.5 8.3#

122 8.5 5.4 8.0#



#80

Butylbenzylphthalate

Concen: 12.348 ng

RT: 20.527 min Scan# 2982

Delta R.T. 0.041 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

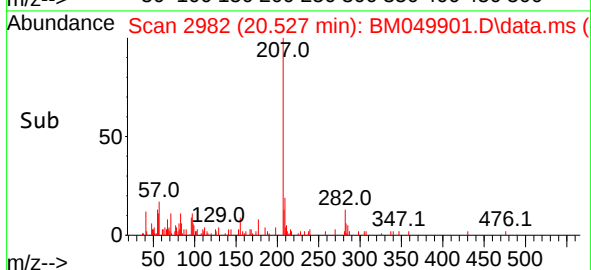
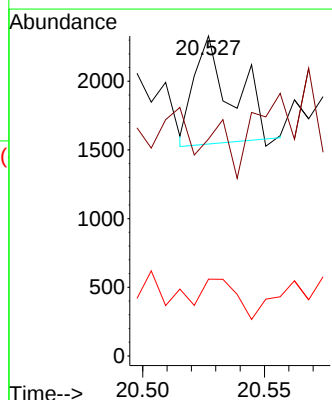
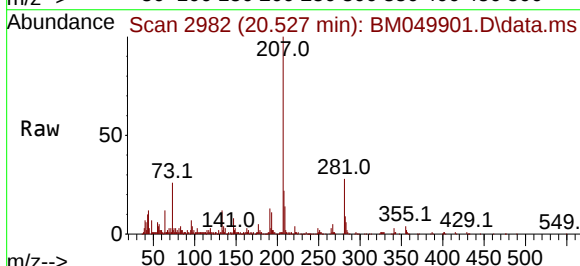
Tgt Ion:149 Resp: 841

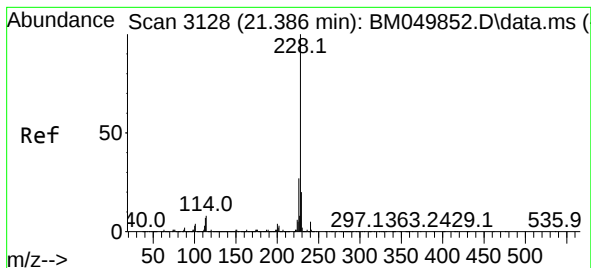
Ion Ratio Lower Upper

149 100

91 67.8 50.9 76.3

206 24.0 18.4 27.6





#81

Benzo(a)anthracene

Concen: 10.464 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

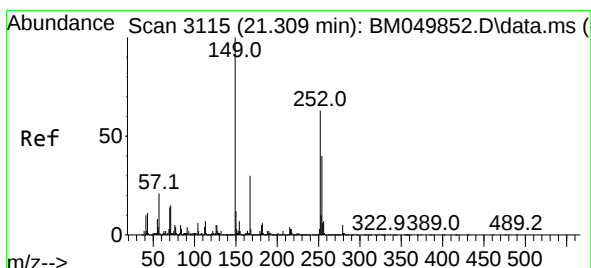
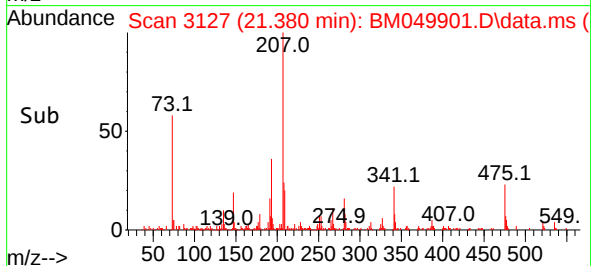
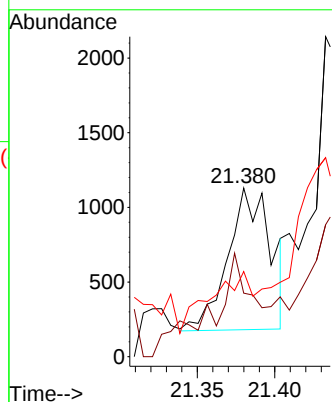
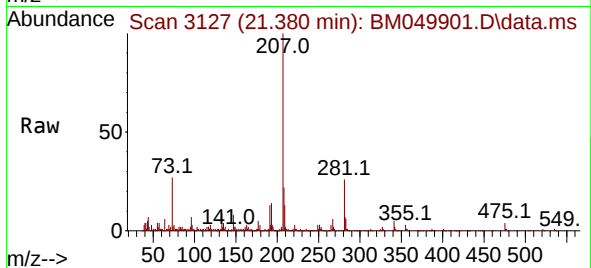
Tgt Ion:228 Resp: 1829

Ion Ratio Lower Upper

228 100

226 37.7 21.8 32.8#

229 50.5 15.8 23.8#



#82

3,3'-Dichlorobenzidine

Concen: 4.681 ng

RT: 21.315 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

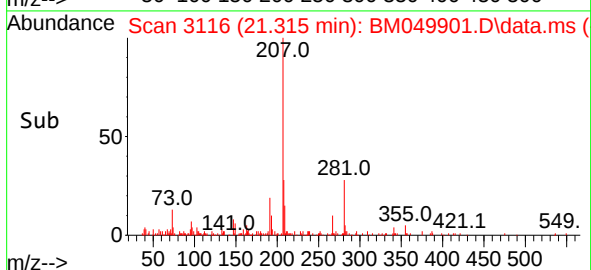
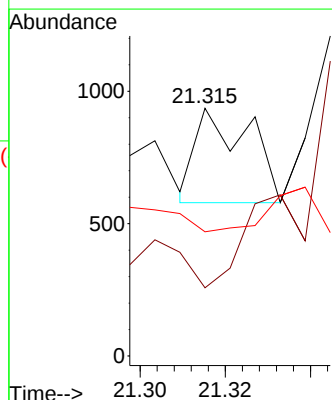
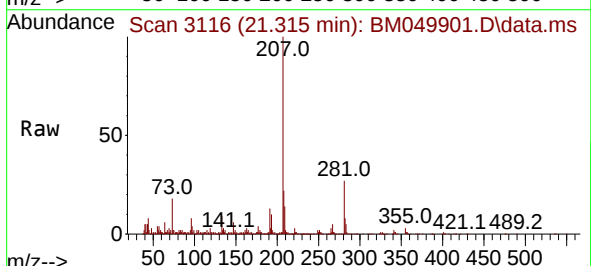
Tgt Ion:252 Resp: 309

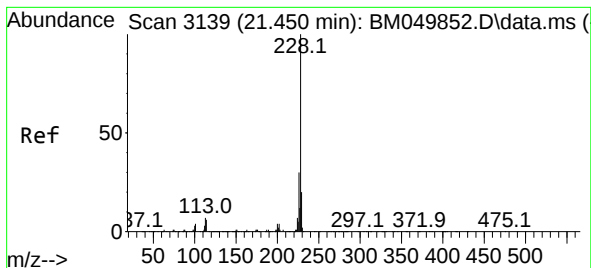
Ion Ratio Lower Upper

252 100

254 27.6 51.5 77.3#

126 50.1 6.3 9.5#





#83

Chrysene

Concen: 26.286 ng

RT: 21.445 min Scan# 3139

Delta R.T. -0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

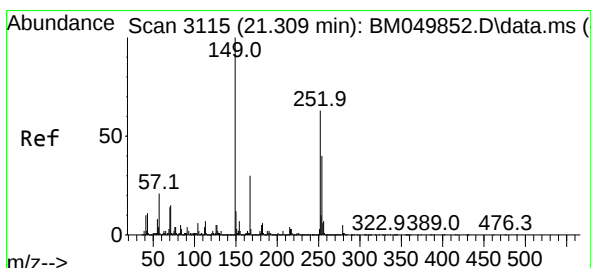
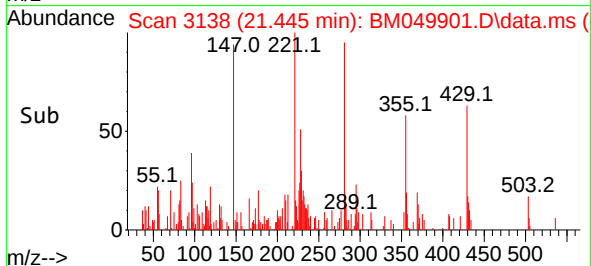
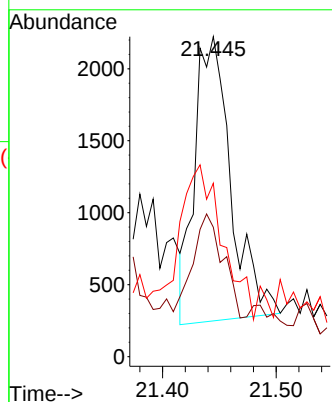
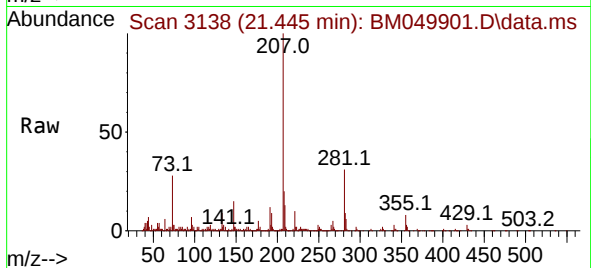
Tgt Ion:228 Resp: 4368

Ion Ratio Lower Upper

228 100

226 40.4 24.1 36.1#

229 54.2 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.193 ng

RT: 21.315 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

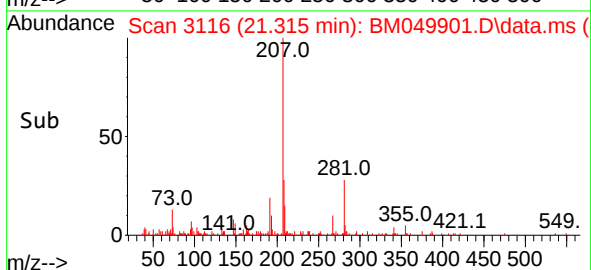
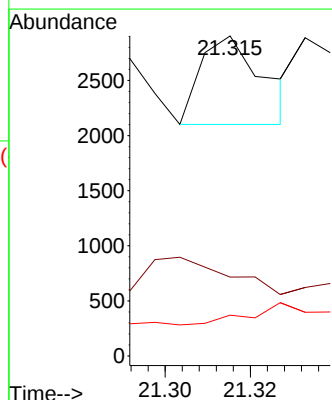
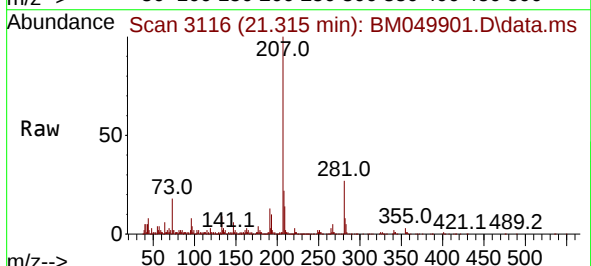
Tgt Ion:149 Resp: 813

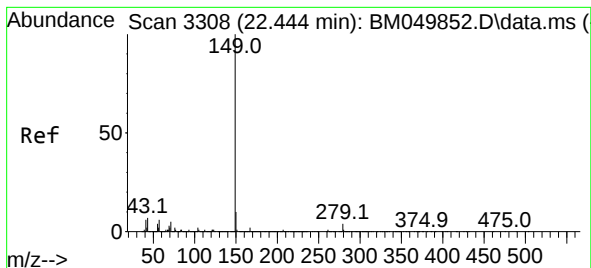
Ion Ratio Lower Upper

149 100

167 24.7 23.8 35.6

279 12.8 3.8 5.8#





#85

Di-n-octyl phthalate

Concen: 3.606 ng

RT: 22.480 min Scan# 31

Delta R.T. 0.035 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

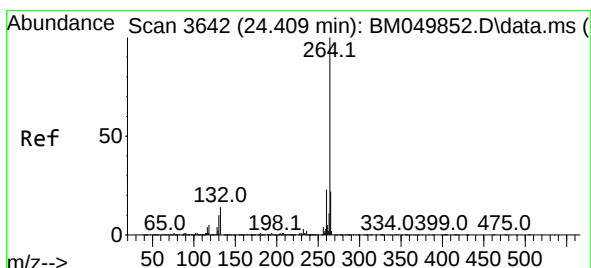
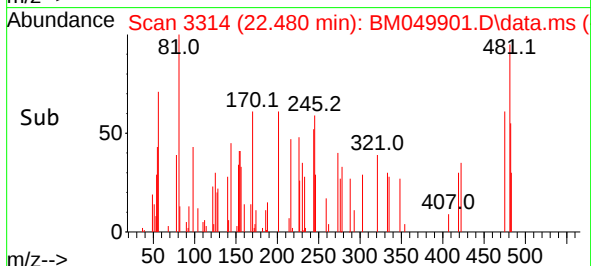
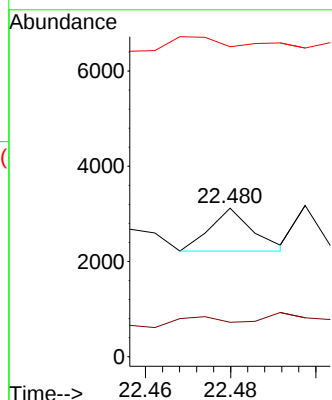
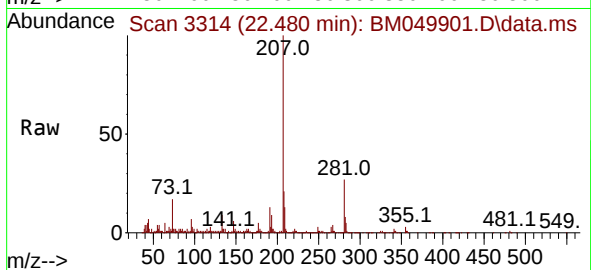
Tgt Ion:149 Resp: 626

Ion Ratio Lower Upper

149 100

167 42.5 1.3 1.9#

43 49.4 5.8 8.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.415 min Scan# 3643

Delta R.T. 0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

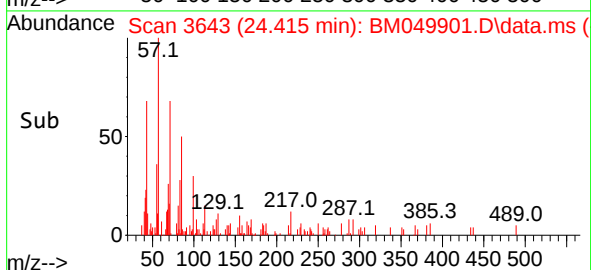
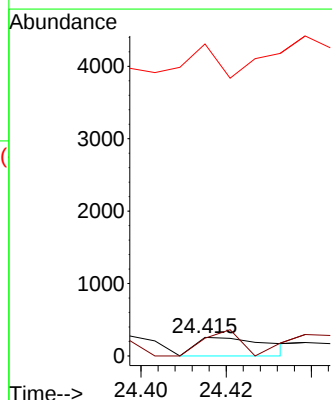
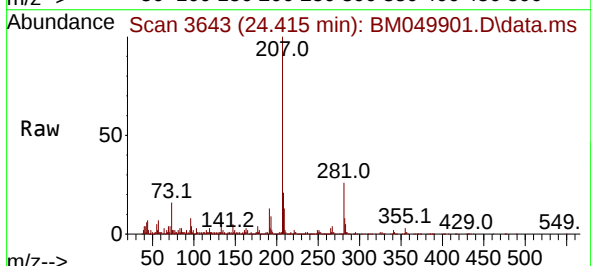
Tgt Ion:264 Resp: 301

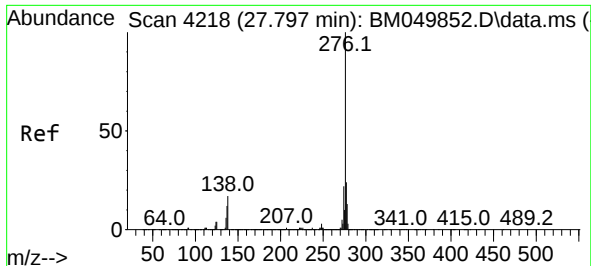
Ion Ratio Lower Upper

264 100

260 96.1 18.6 28.0#

265 1689.8 17.8 26.8#

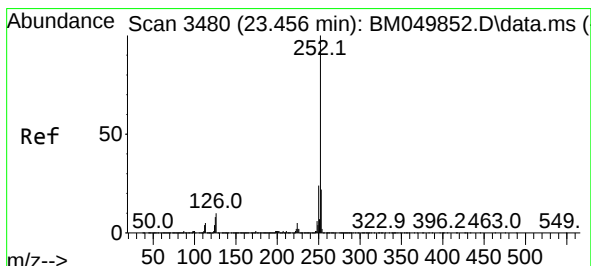
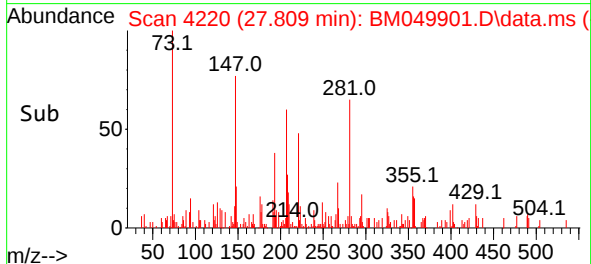
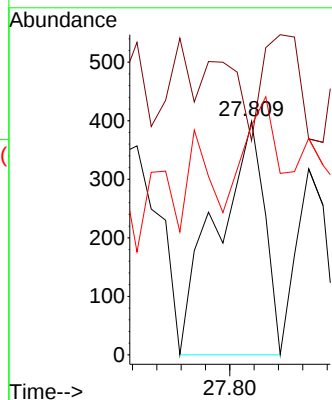
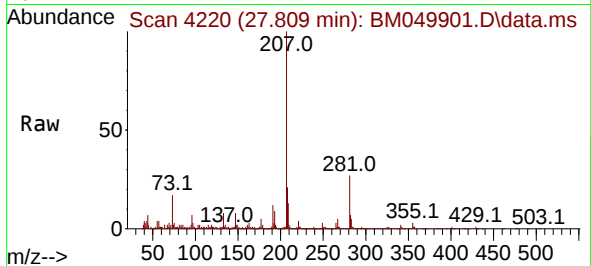




#87
Indeno(1,2,3-cd)pyrene
Concen: 24.290 ng
RT: 27.809 min Scan# 41
Delta R.T. 0.012 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

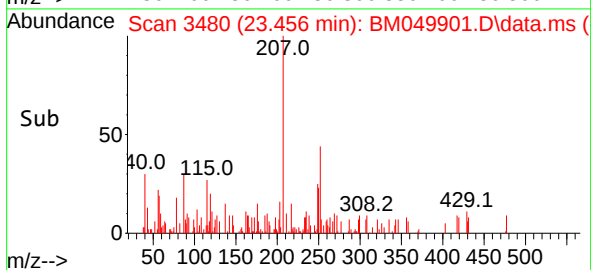
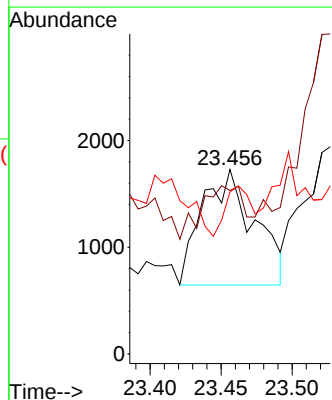
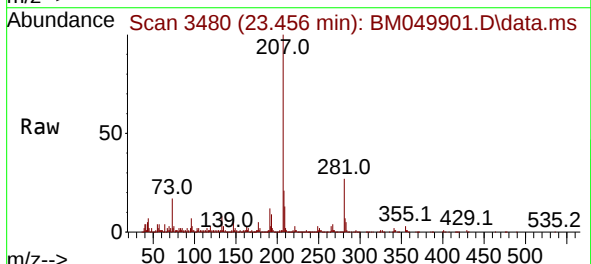
Instrument :
BNA_M
ClientSampleId :
WC-2

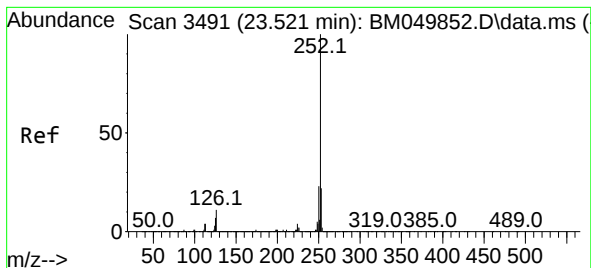
Tgt Ion:276 Resp: 545
Ion Ratio Lower Upper
276 100
138 34.5 16.8 25.2#
277 40.6 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 144.561 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049901.D
Acq: 11 Apr 2025 14:57

Tgt Ion:252 Resp: 2779
Ion Ratio Lower Upper
252 100
253 88.6 17.5 26.3#
125 87.9 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 124.106 ng

RT: 23.527 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

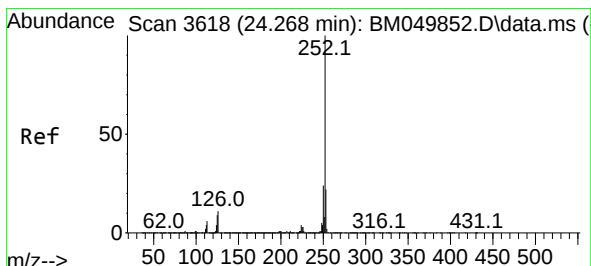
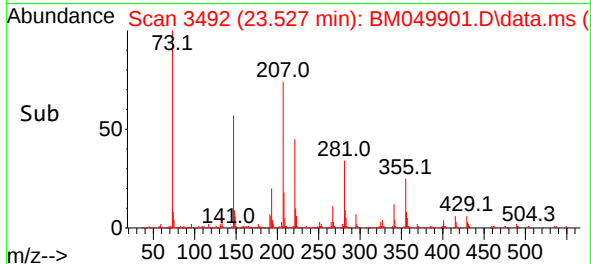
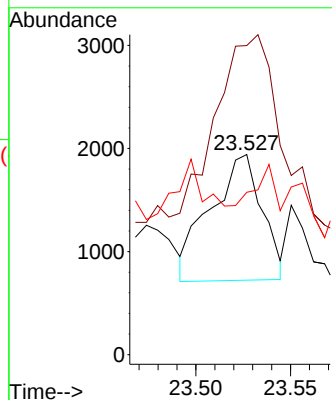
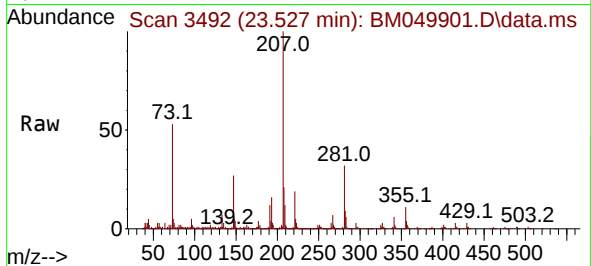
Instrument :

BNA_M

ClientSampleId :

WC-2

Tgt Ion:	252	Resp:	2312
Ion Ratio	Lower	Upper	
252	100		
253	154.5	17.4	26.2#
125	81.2	5.8	8.8#



#90

Benzo(a)pyrene

Concen: 33.506 ng

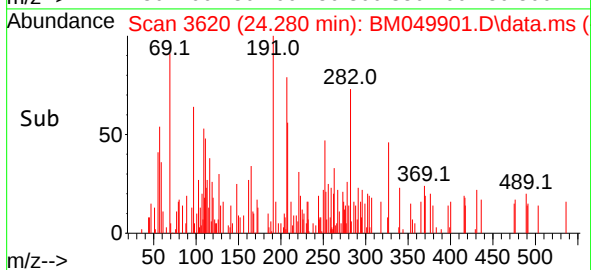
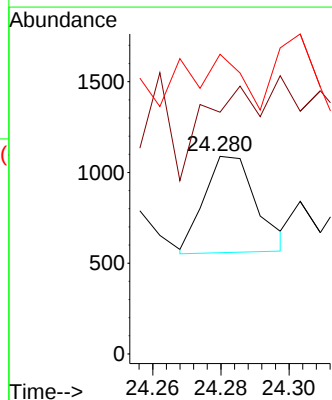
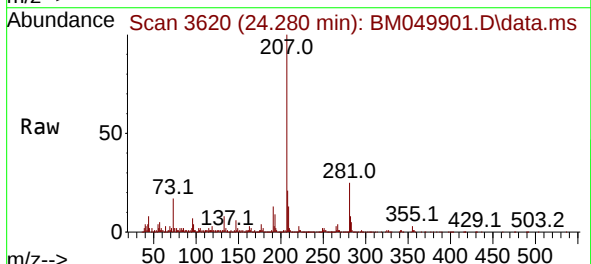
RT: 24.280 min Scan# 3620

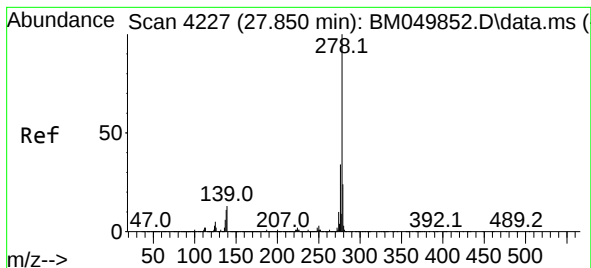
Delta R.T. 0.012 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Tgt Ion:	252	Resp:	566
Ion Ratio	Lower	Upper	
252	100		
253	122.3	17.8	26.8#
125	151.6	7.0	10.4#





#91

Dibenzo(a,h)anthracene

Concen: 47.184 ng

RT: 27.862 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Instrument :

BNA_M

ClientSampleId :

WC-2

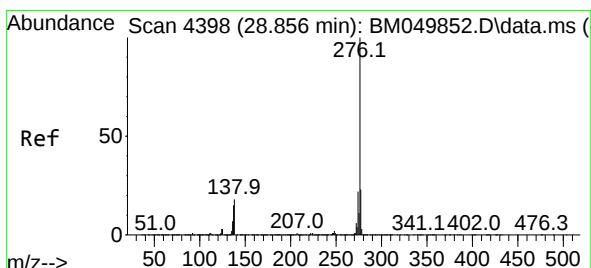
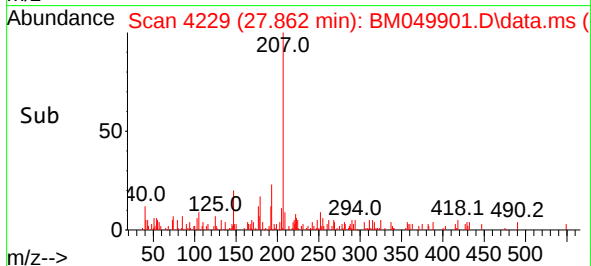
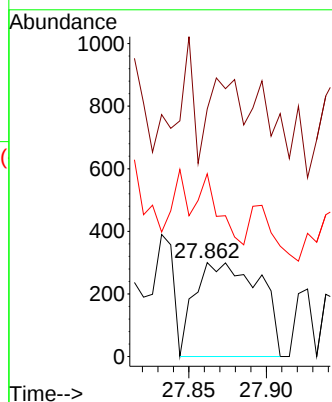
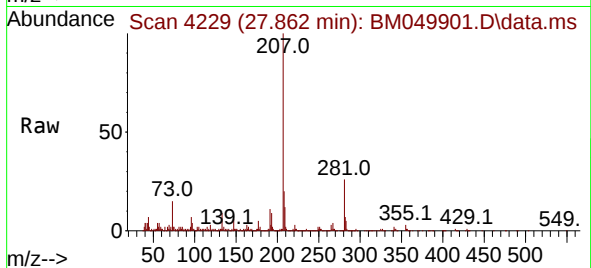
Tgt Ion:278 Resp: 872

Ion Ratio Lower Upper

278 100

139 263.7 10.6 15.8#

279 194.7 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 29.865 ng

RT: 28.850 min Scan# 4397

Delta R.T. -0.006 min

Lab File: BM049901.D

Acq: 11 Apr 2025 14:57

Tgt Ion:276 Resp: 564

Ion Ratio Lower Upper

276 100

277 88.2 18.7 28.1#

138 112.5 14.6 21.8#

