

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110923\
 Data File : BM042681.D
 Acq On : 09 Nov 2023 20:57
 Operator : MA/JU
 Sample : 05270-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-3-110623

Quant Time: Nov 09 23:54:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

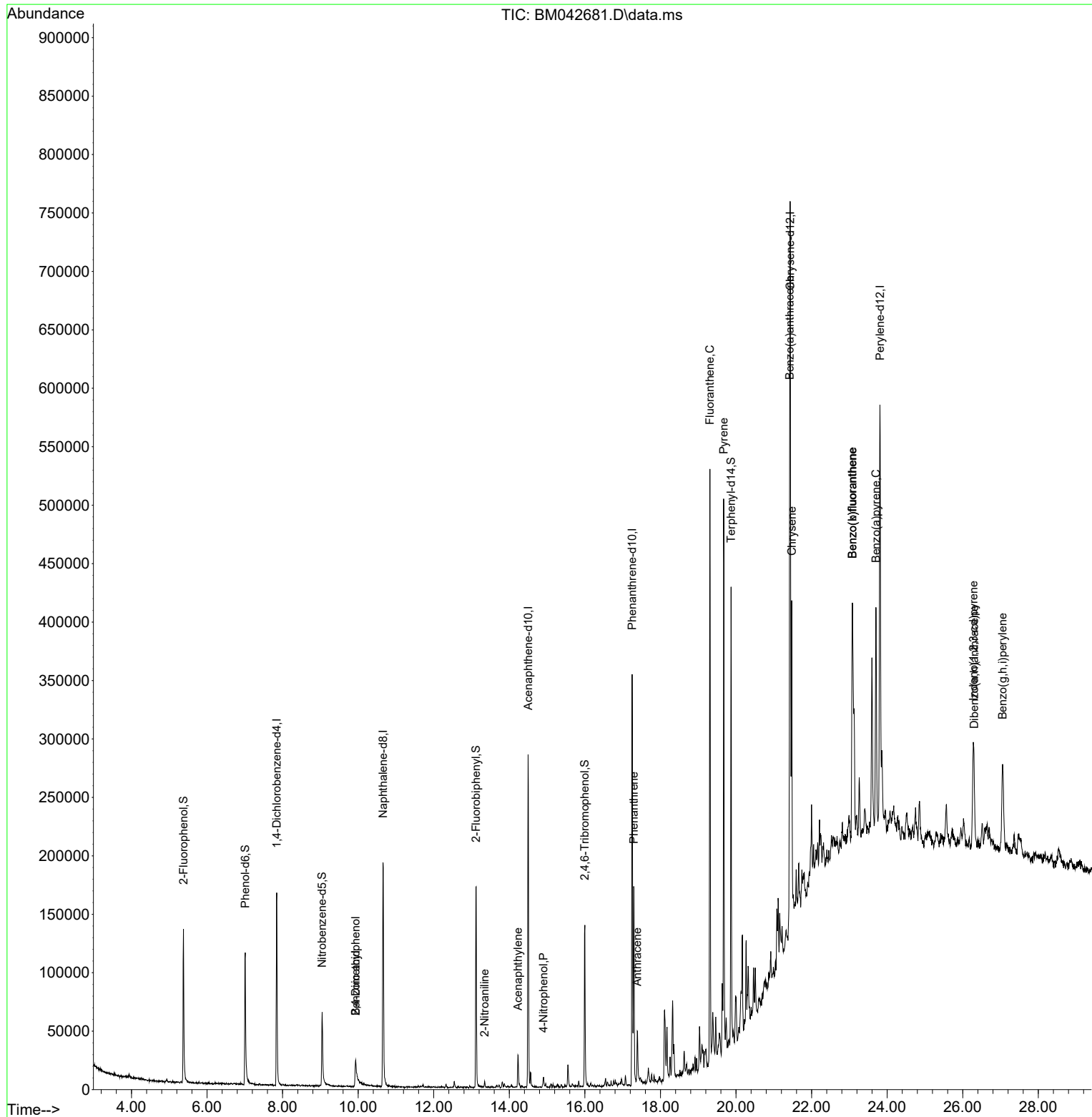
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	39669	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	143600	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	88398	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	199602	20.000	ng	# 0.00
76) Chrysene-d12	21.433	240	233225	20.000	ng	0.00
86) Perylene-d12	23.809	264	285981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	48721	19.821	ng	0.00
7) Phenol-d6	7.010	99	60010	17.802	ng	0.00
23) Nitrobenzene-d5	9.045	82	43536	14.133	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	23142	20.052	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	85553	13.023	ng	0.00
79) Terphenyl-d14	19.868	244	160287	11.653	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	9.933	122	10585	5.075	ng	# 2
32) Benzoic acid	9.933	122	10585	9.816	ng	# 83
48) 2-Nitroaniline	13.345	65	53	4.375	ng	# 13
49) Acenaphthylene	14.227	152	20707	2.522	ng	98
56) 4-Nitrophenol	14.904	139	2514	8.809	ng	# 1
71) Phenanthrene	17.298	178	94208	9.031	ng	99
72) Anthracene	17.386	178	29387	2.844	ng	98
75) Fluoranthene	19.309	202	284286	23.201	ng	98
78) Pyrene	19.674	202	268036	16.737	ng	99
81) Benzo(a)anthracene	21.421	228	154415	10.406	ng	98
83) Chrysene	21.474	228	147341	9.775	ng	96
87) Indeno(1,2,3-cd)pyrene	26.285	276	99720	5.859	ng	# 89
88) Benzo(b)fluoranthene	23.080	252	209381	13.142	ng	98
89) Benzo(k)fluoranthene	23.080	252	209381	11.794	ng	98
90) Benzo(a)pyrene	23.703	252	141601	9.027	ng	94
91) Dibenzo(a,h)anthracene	26.303	278	24061	5.537	ng	# 87
92) Benzo(g,h,i)perylene	27.056	276	98287	6.552	ng	95

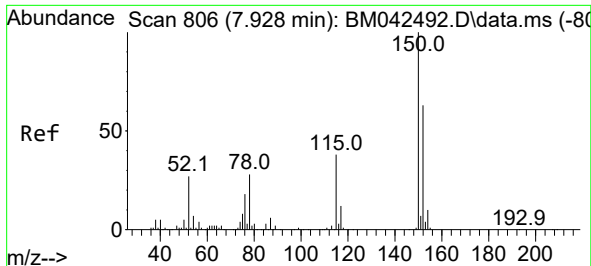
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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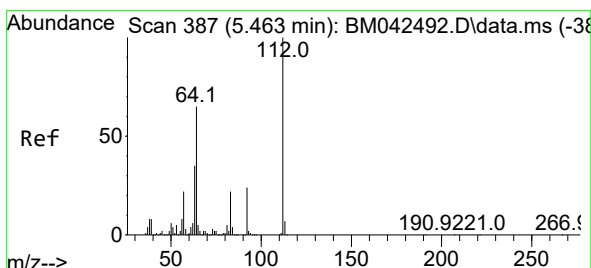
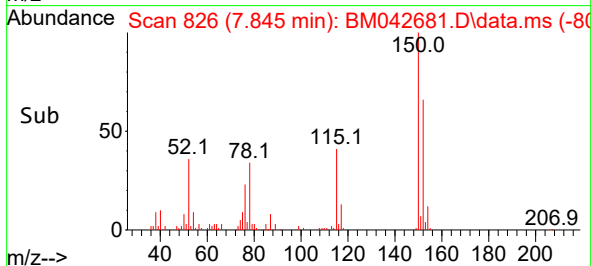
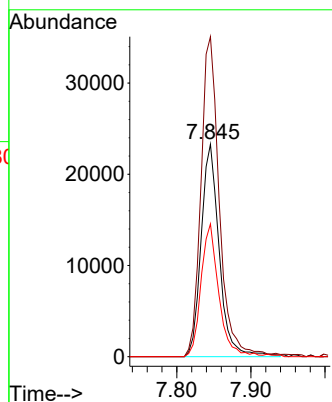
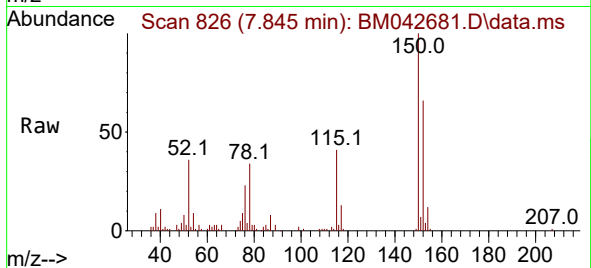




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

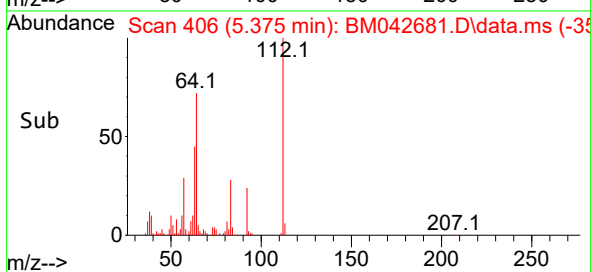
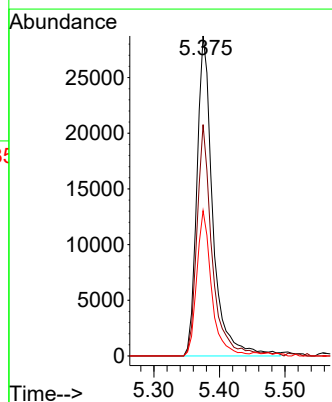
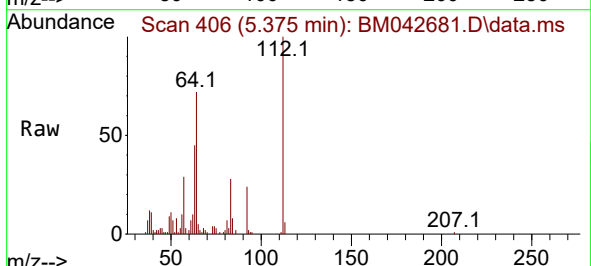
Instrument :
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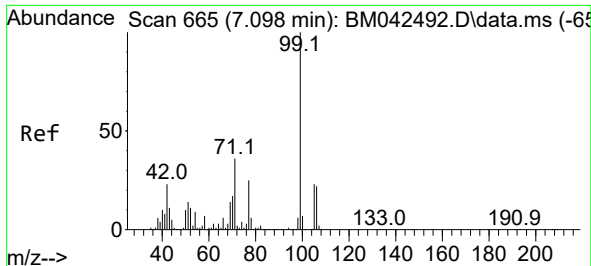
Tgt Ion:152 Resp: 39669
Ion Ratio Lower Upper
152 100
150 150.7 127.4 191.0
115 62.5 47.9 71.9



#5
2-Fluorophenol
Concen: 19.821 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:112 Resp: 48721
Ion Ratio Lower Upper
112 100
64 72.3 52.1 78.1
63 45.4 28.3 42.5#

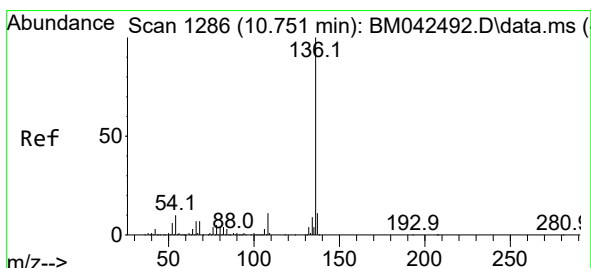
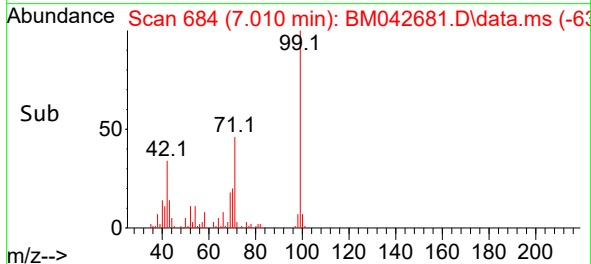
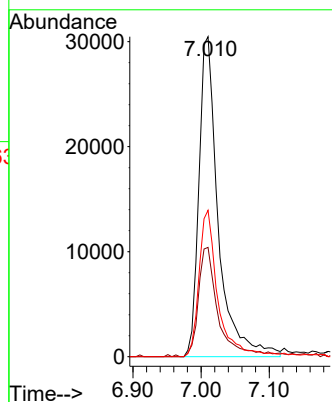
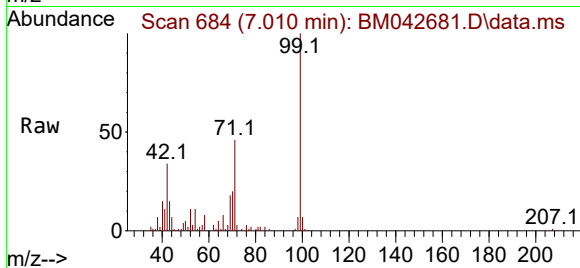




#7
Phenol-d6
Concen: 17.802 ng
RT: 7.010 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

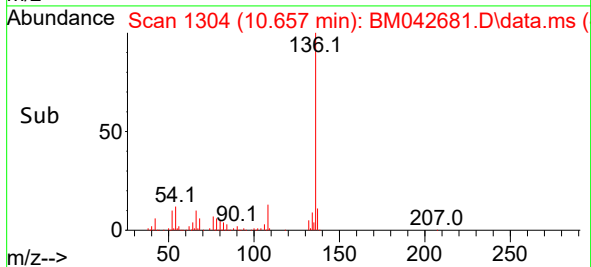
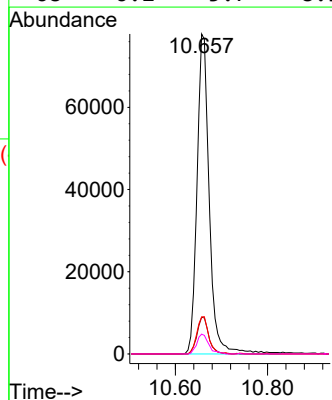
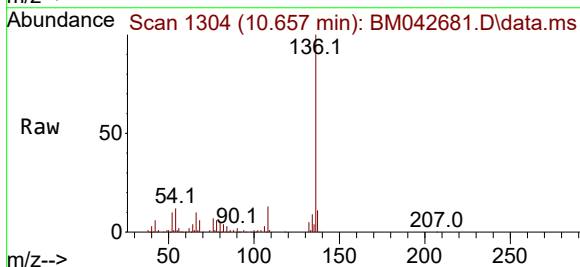
Instrument :
BNA_M
ClientSampleId :
OR-3-110623

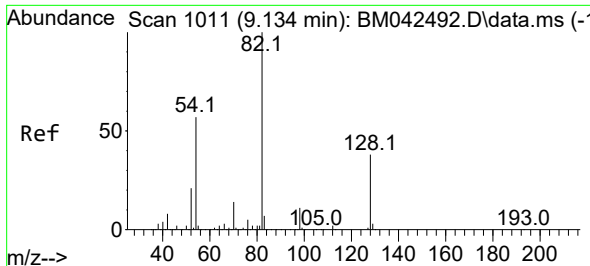
Tgt Ion: 99 Resp: 60010
Ion Ratio Lower Upper
99 100
42 34.1 18.7 28.1#
71 45.7 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion: 136 Resp: 143600
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 11.6 8.0 12.0
68 6.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 14.133 ng

RT: 9.045 min Scan# 110

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

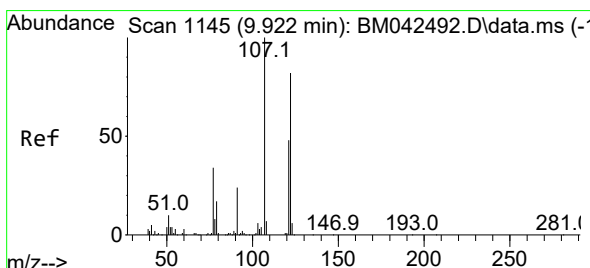
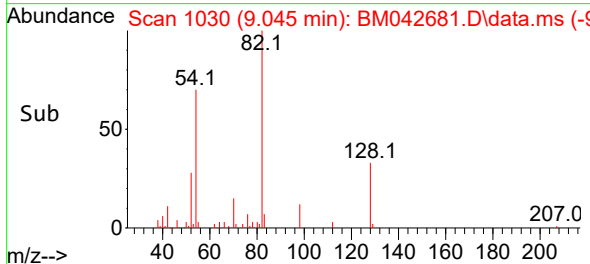
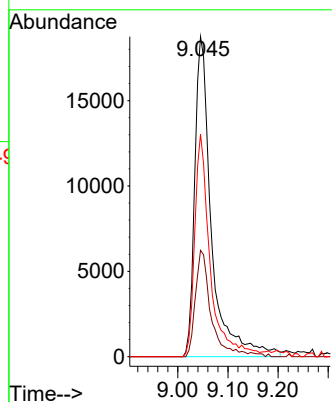
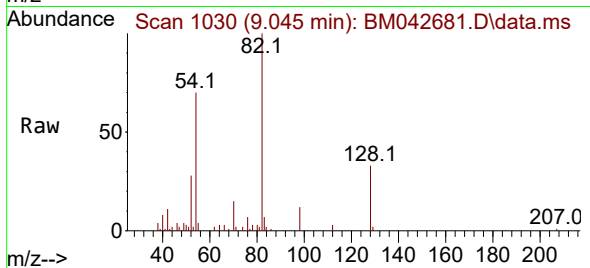
Tgt Ion: 82 Resp: 43536

Ion Ratio Lower Upper

82 100

128 33.2 30.7 46.1

54 69.6 45.3 67.9#



#27

2,4-Dimethylphenol

Concen: 5.075 ng

RT: 9.933 min Scan# 1181

Delta R.T. 0.100 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

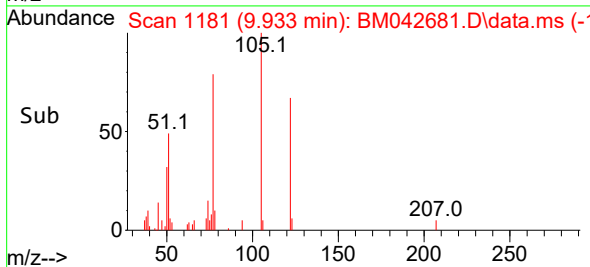
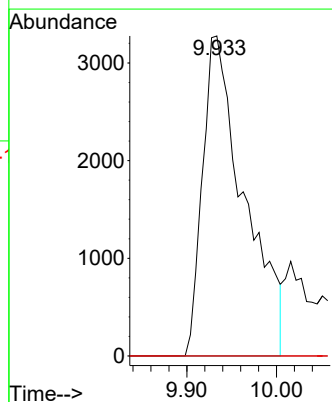
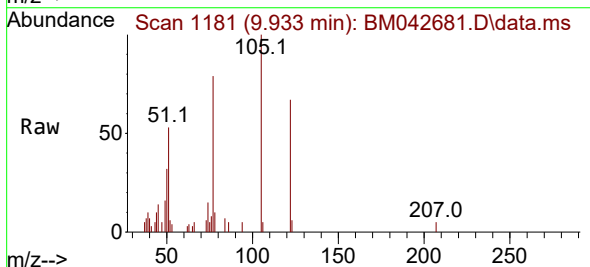
Tgt Ion: 122 Resp: 10585

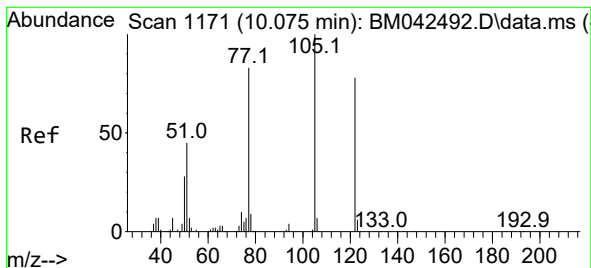
Ion Ratio Lower Upper

122 100

107 0.0 95.4 143.2#

121 0.0 46.0 69.0#





#32

Benzoic acid

Concen: 9.816 ng

RT: 9.933 min Scan# 1171

Delta R.T. -0.059 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

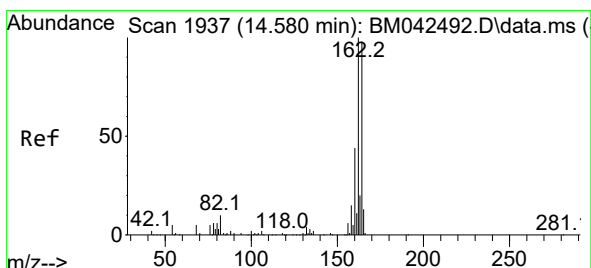
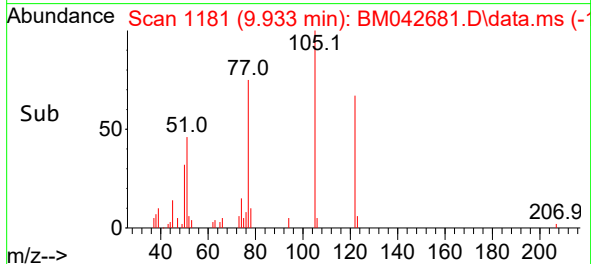
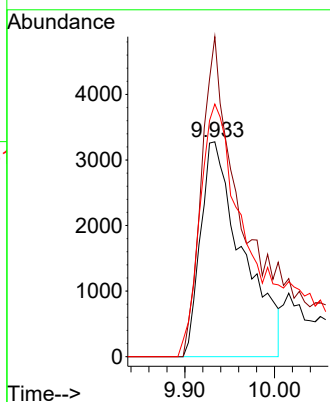
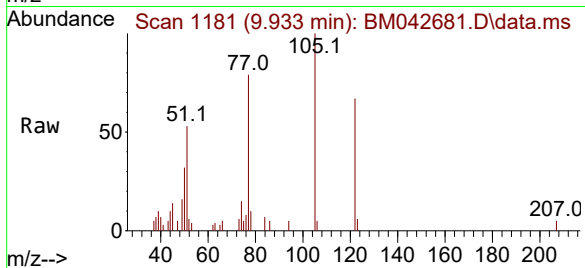
Tgt Ion:122 Resp: 10585

Ion Ratio Lower Upper

122 100

105 149.0 105.2 145.2#

77 117.6 84.8 124.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.498 min Scan# 1957

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

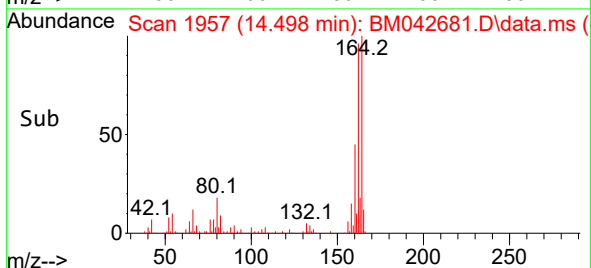
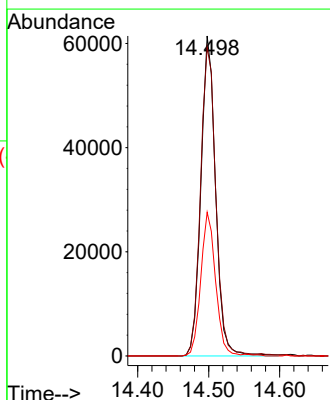
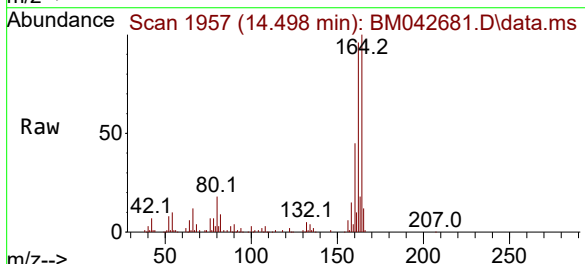
Tgt Ion:164 Resp: 88398

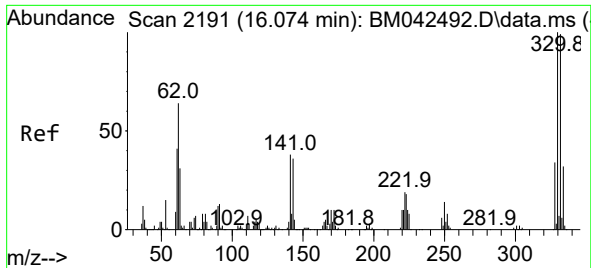
Ion Ratio Lower Upper

164 100

162 96.4 81.6 122.4

160 44.9 36.2 54.4

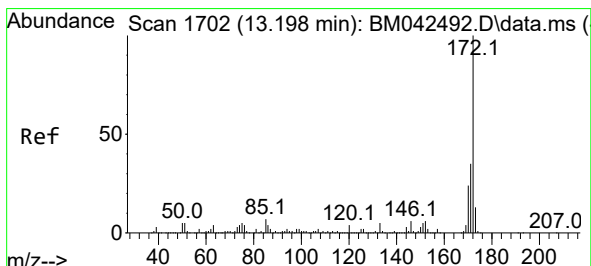
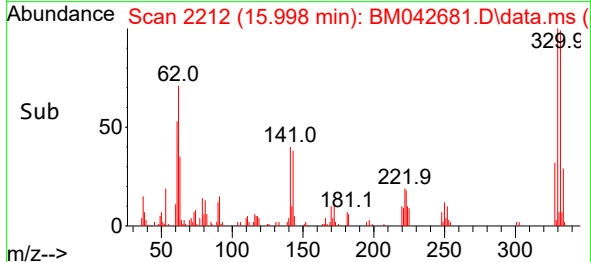
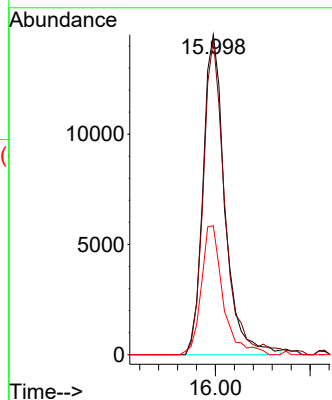
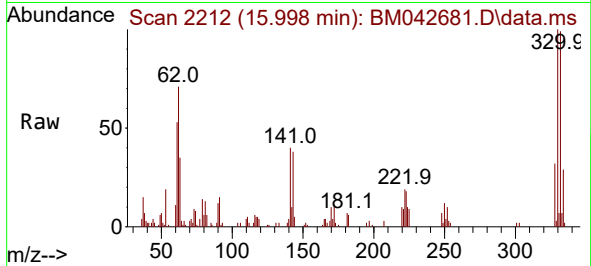




#42
2,4,6-Tribromophenol
Concen: 20.052 ng
RT: 15.998 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

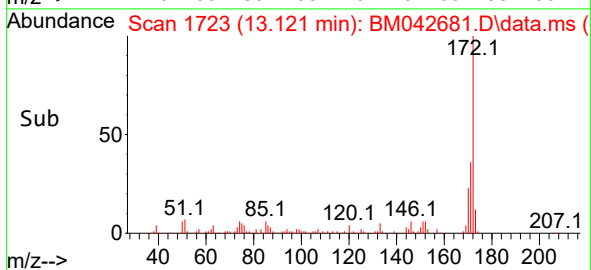
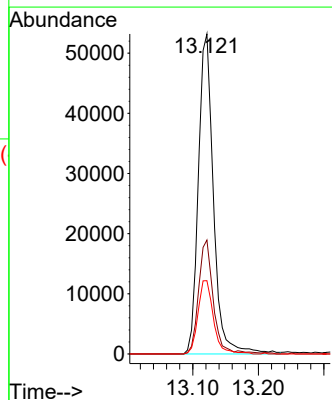
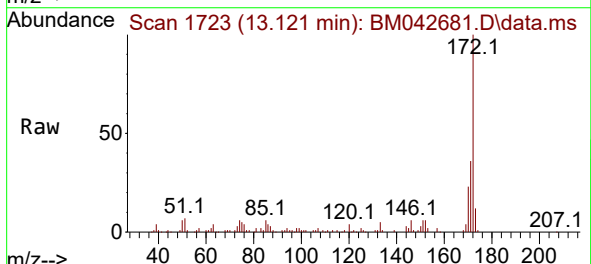
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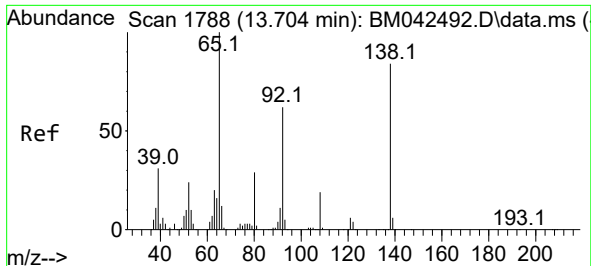
Tgt Ion:330 Resp: 23142
Ion Ratio Lower Upper
330 100
332 98.5 78.8 118.2
141 40.2 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 13.023 ng
RT: 13.121 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:172 Resp: 85553
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 22.9 19.0 28.4

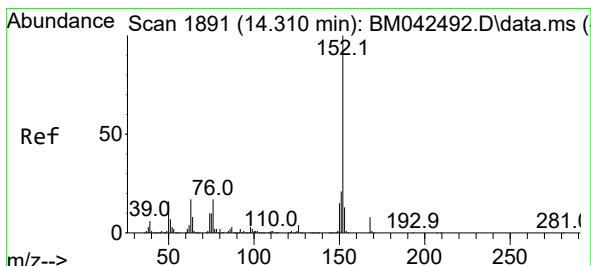
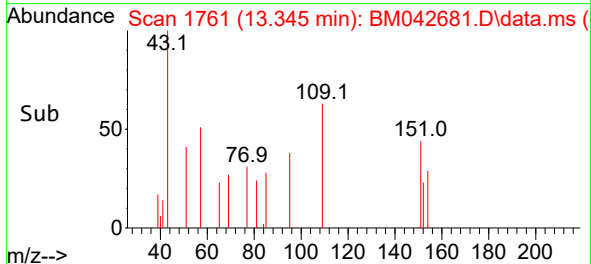
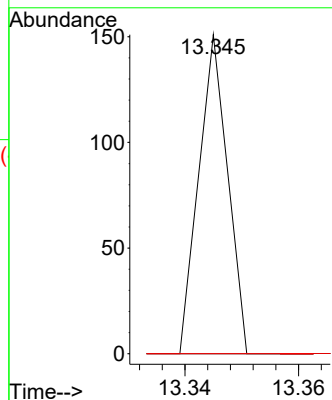
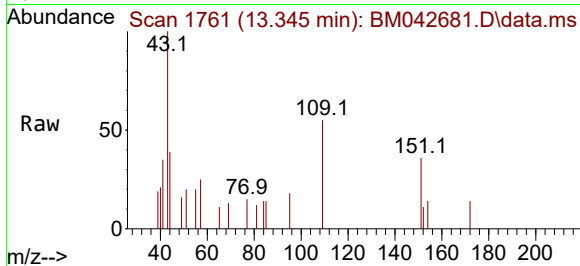




#48
2-Nitroaniline
Concen: 4.375 ng
RT: 13.345 min Scan# 11
Delta R.T. -0.288 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

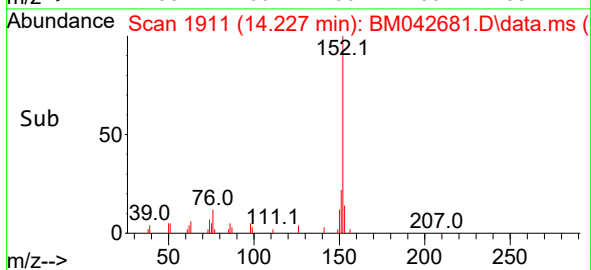
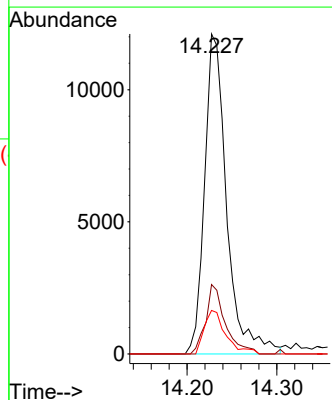
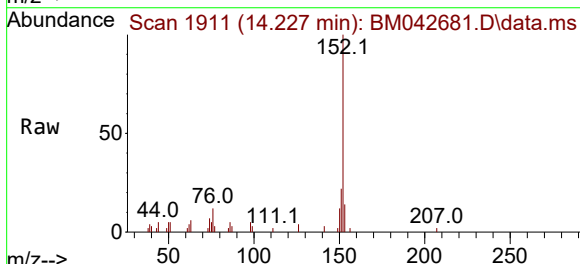
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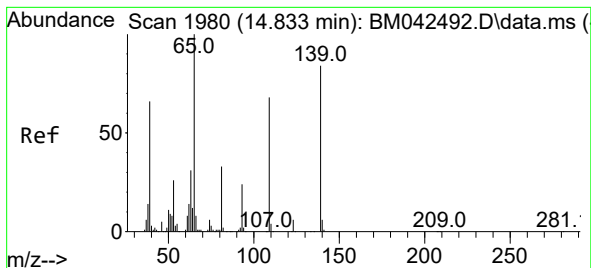
Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#



#49
Acenaphthylene
Concen: 2.522 ng
RT: 14.227 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion: 152 Resp: 20707
Ion Ratio Lower Upper
152 100
151 21.7 16.4 24.6
153 13.6 10.4 15.6

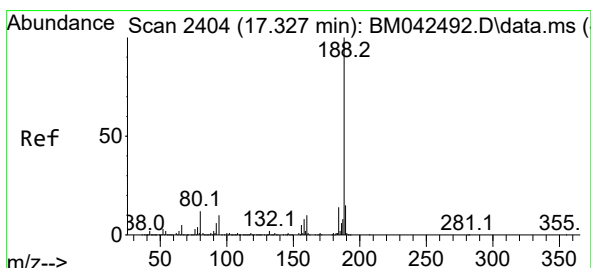
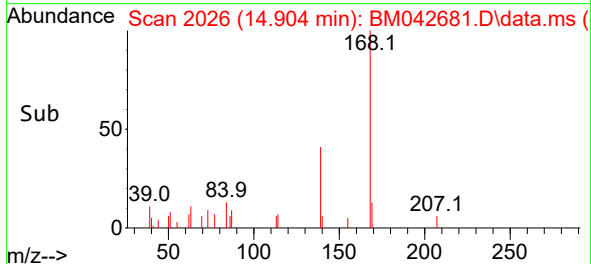
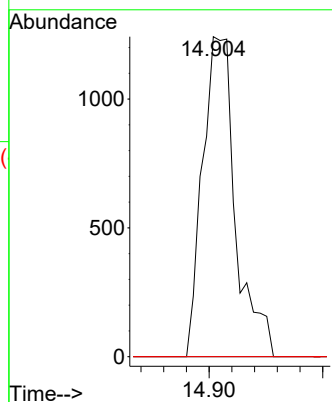
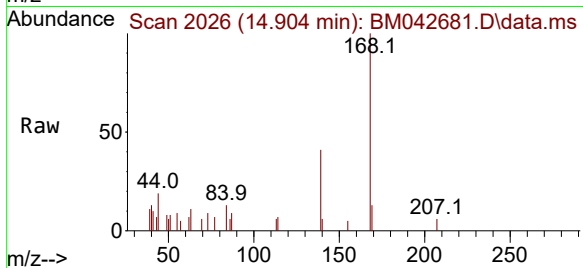




#56
4-Nitrophenol
Concen: 8.809 ng
RT: 14.904 min Scan# 20
Delta R.T. 0.147 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

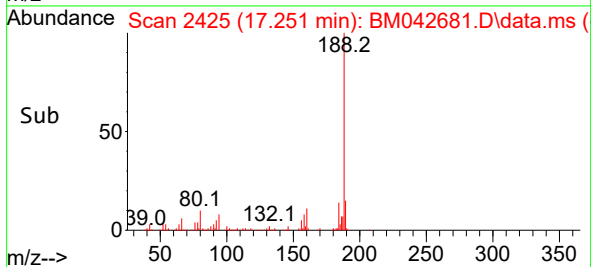
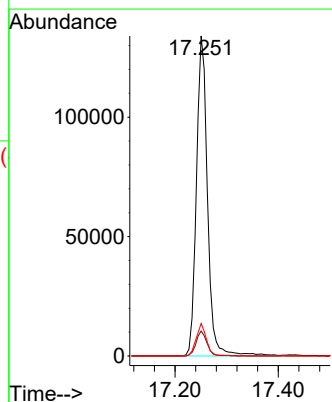
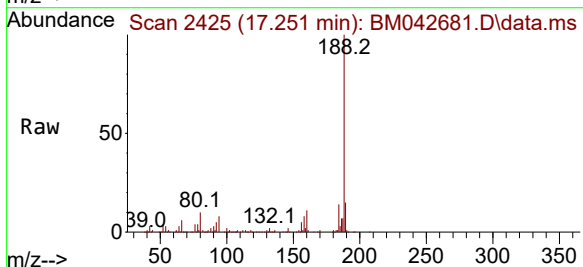
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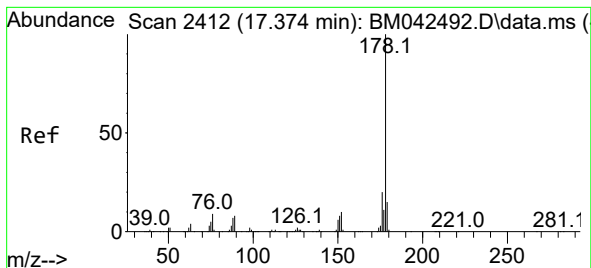
Tgt Ion:139 Resp: 2514
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:188 Resp: 199602
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.4#
80 10.1 9.4 14.2





#71

Phenanthrene

Concen: 9.031 ng

RT: 17.298 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

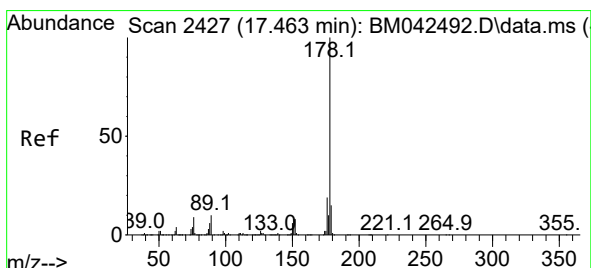
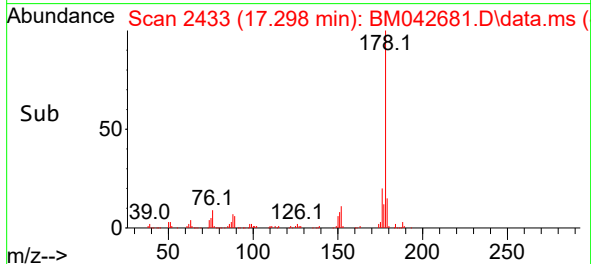
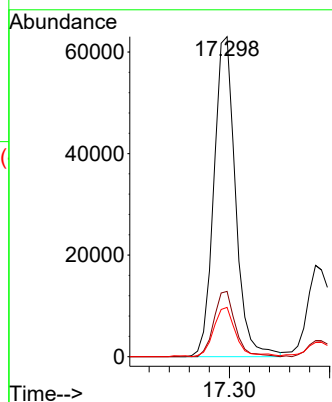
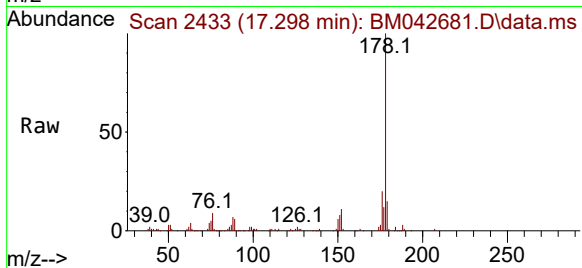
Tgt Ion:178 Resp: 94208

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 2.844 ng

RT: 17.386 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

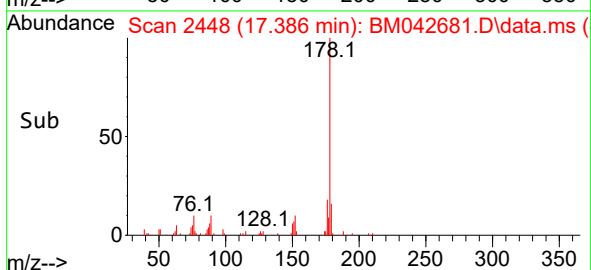
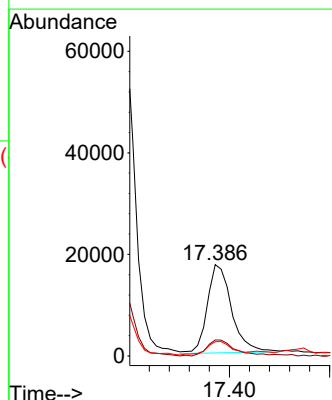
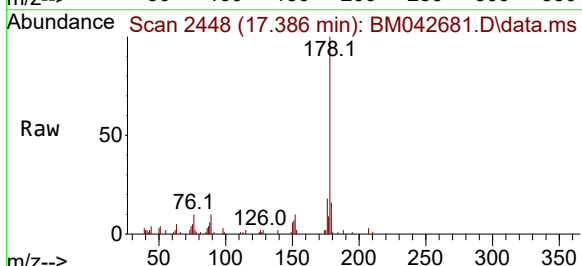
Tgt Ion:178 Resp: 29387

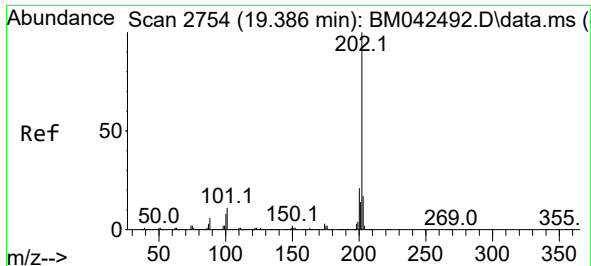
Ion Ratio Lower Upper

178 100

176 17.5 15.2 22.8

179 15.5 12.3 18.5

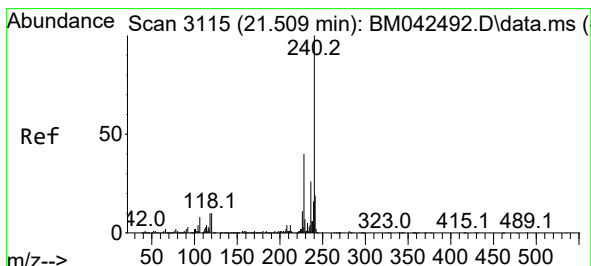
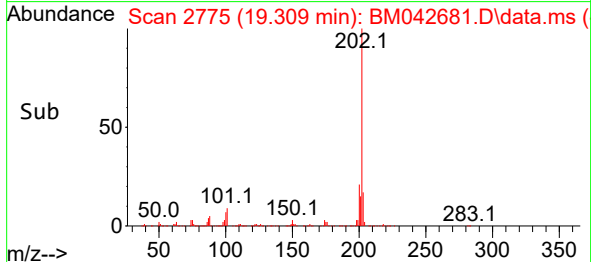
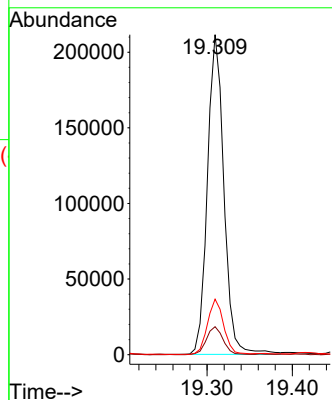
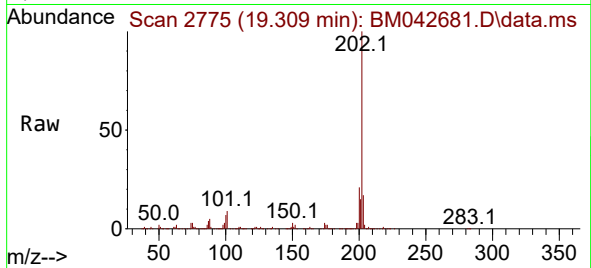




#75
Fluoranthene
Concen: 23.201 ng
RT: 19.309 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

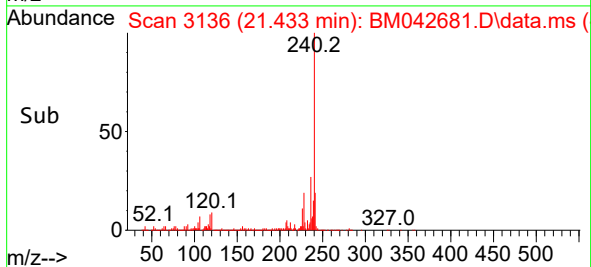
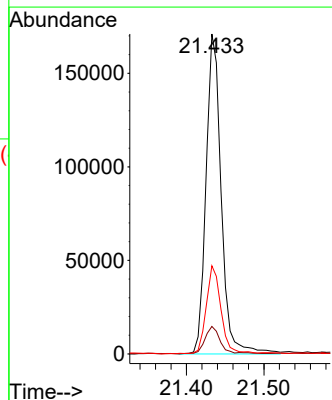
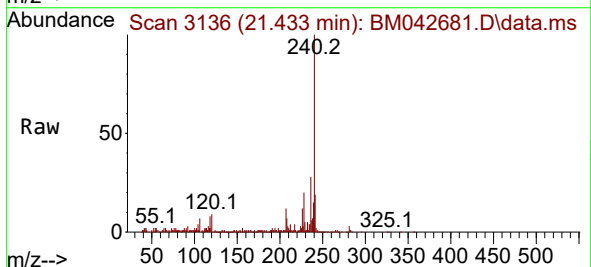
Instrument :
BNA_M
ClientSampleId :
OR-3-110623

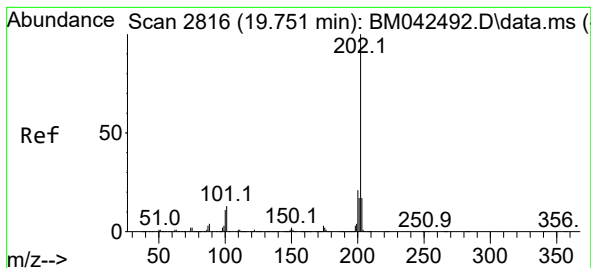
Tgt Ion:202 Resp: 284286
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.5
203 17.3 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:240 Resp: 233225
Ion Ratio Lower Upper
240 100
120 8.6 8.3 12.5
236 27.5 20.8 31.2





#78

Pyrene

Concen: 16.737 ng

RT: 19.674 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

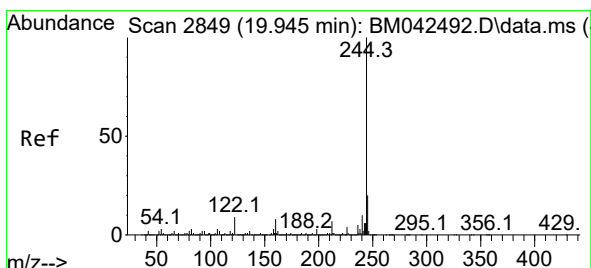
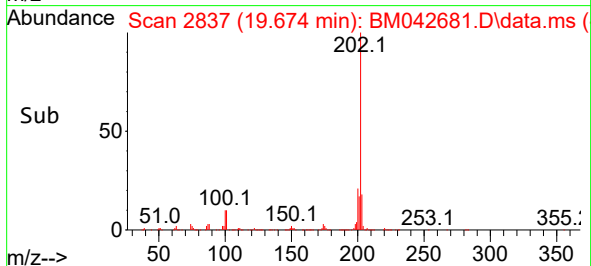
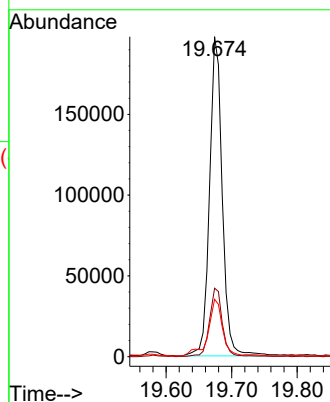
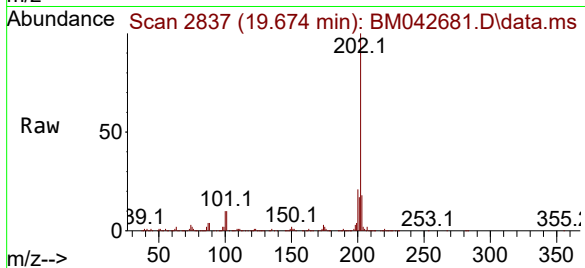
Tgt Ion:202 Resp: 268036

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.9 13.7 20.5



#79

Terphenyl-d14

Concen: 11.653 ng

RT: 19.868 min Scan# 2870

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

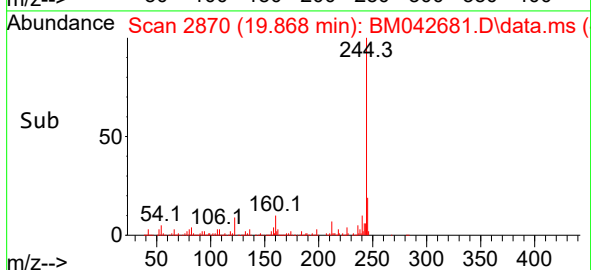
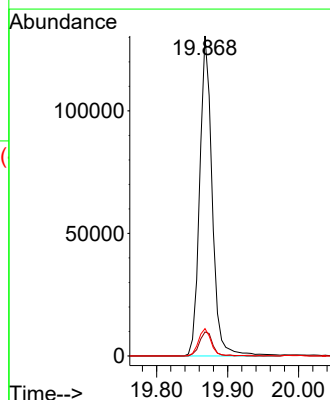
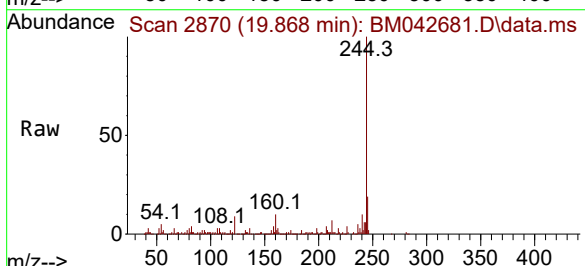
Tgt Ion:244 Resp: 160287

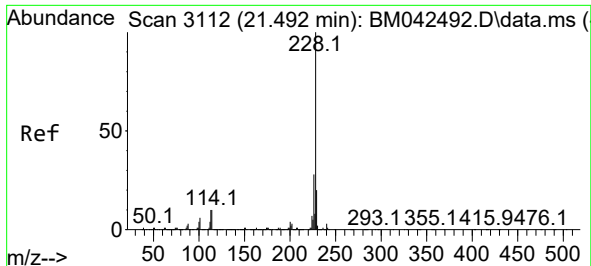
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 8.6 7.2 10.8

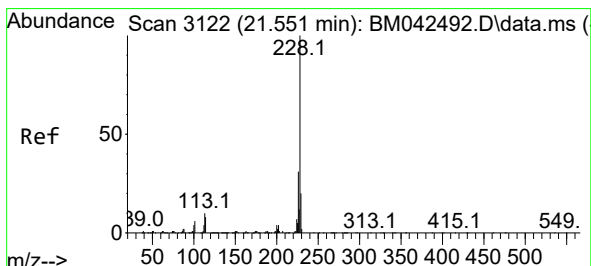
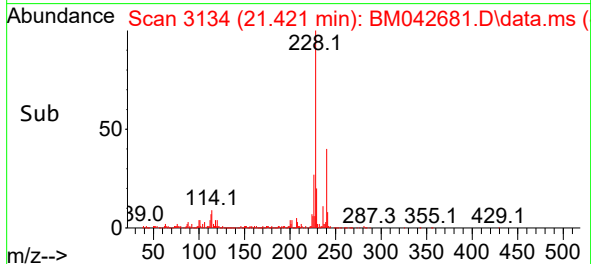
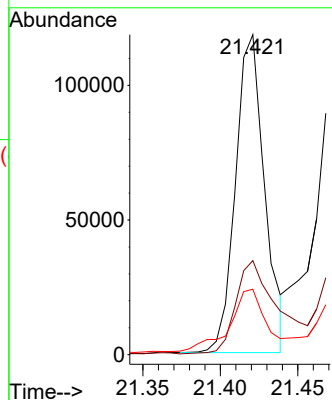
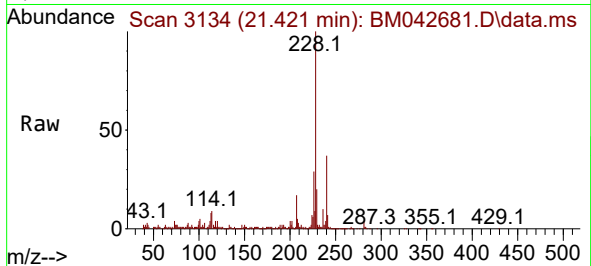




#81
Benzo(a)anthracene
Concen: 10.406 ng
RT: 21.421 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

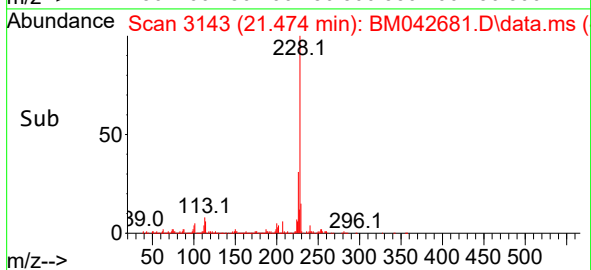
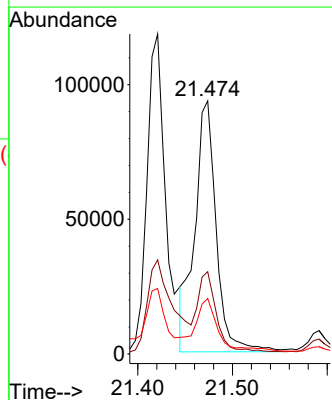
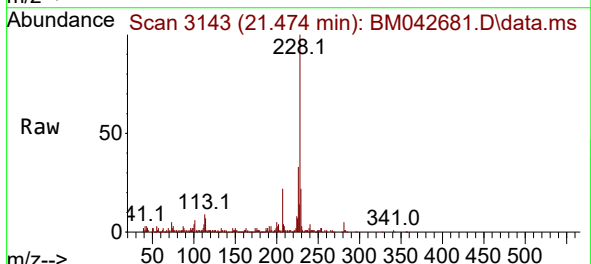
Instrument :
BNA_M
ClientSampleId :
OR-3-110623

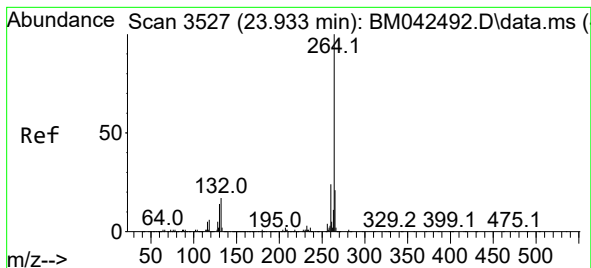
Tgt Ion:228 Resp: 154415
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 20.4 15.8 23.8



#83
Chrysene
Concen: 9.775 ng
RT: 21.474 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:228 Resp: 147341
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 22.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.809 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

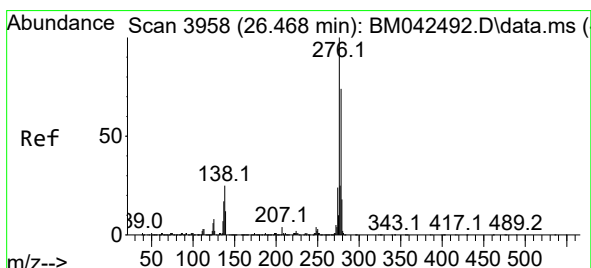
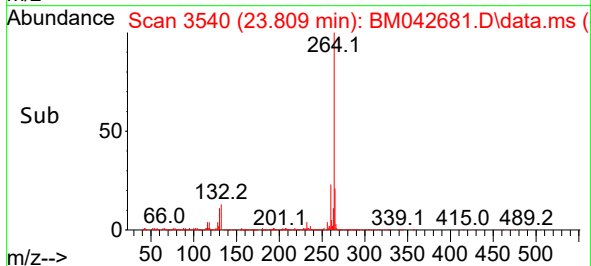
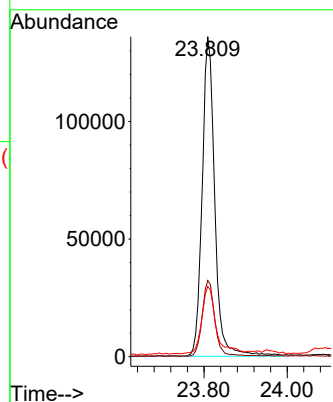
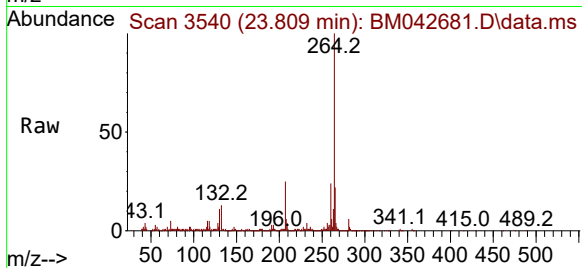
Tgt Ion:264 Resp: 285981

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 22.0 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.859 ng

RT: 26.285 min Scan# 3961

Delta R.T. -0.018 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

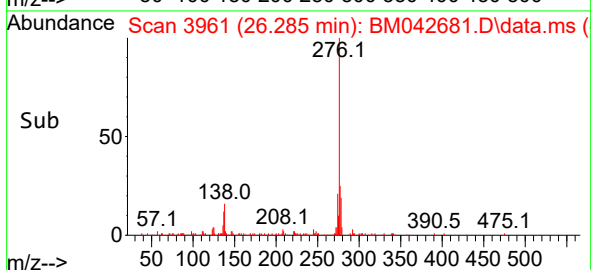
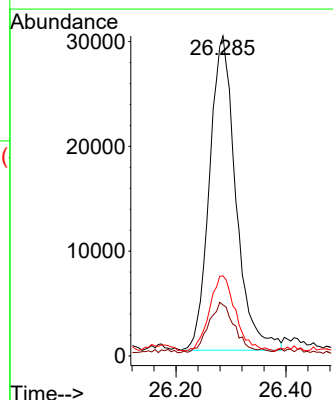
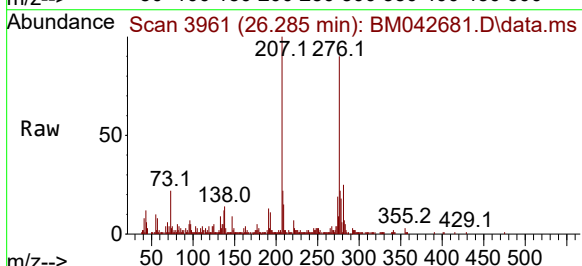
Tgt Ion:276 Resp: 99720

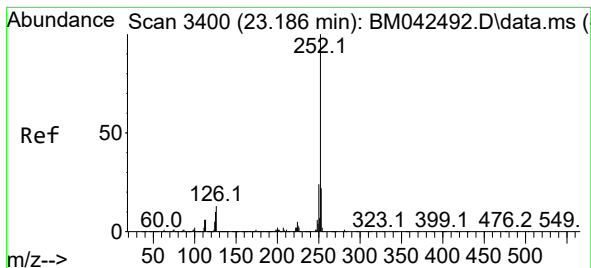
Ion Ratio Lower Upper

276 100

138 15.9 20.6 31.0#

277 23.6 19.5 29.3





#88

Benzo(b)fluoranthene

Concen: 13.142 ng

RT: 23.080 min Scan# 3416

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

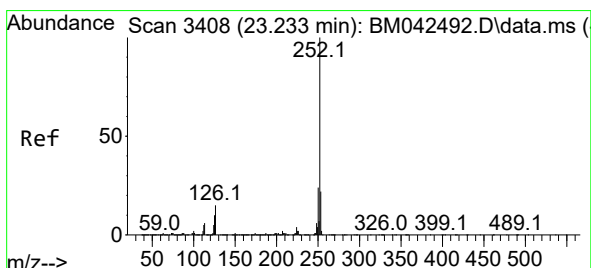
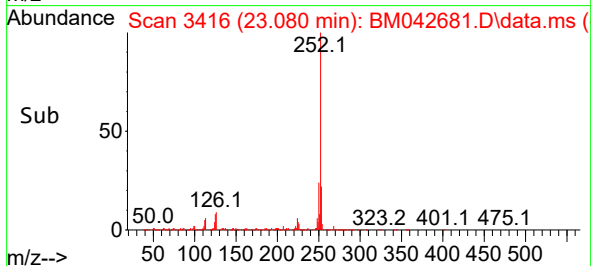
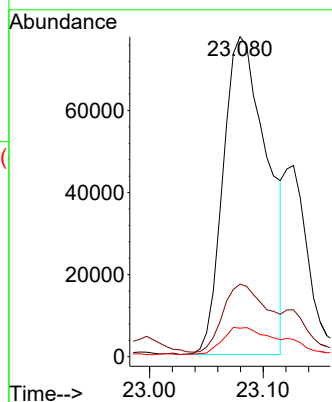
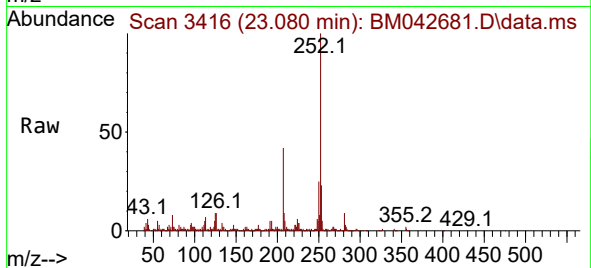
Tgt Ion:252 Resp: 209381

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.9 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 11.794 ng

RT: 23.080 min Scan# 3416

Delta R.T. -0.059 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

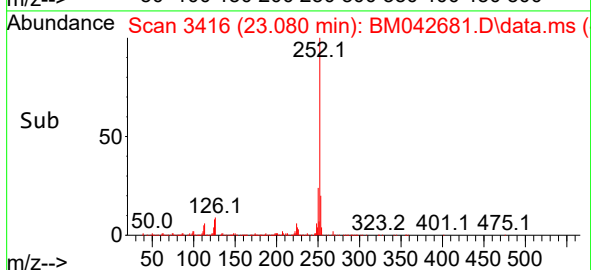
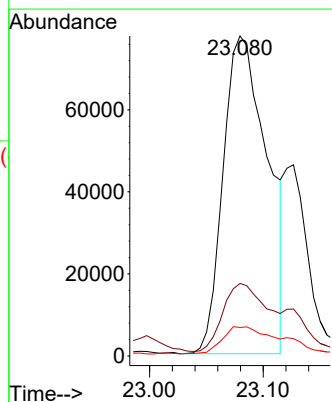
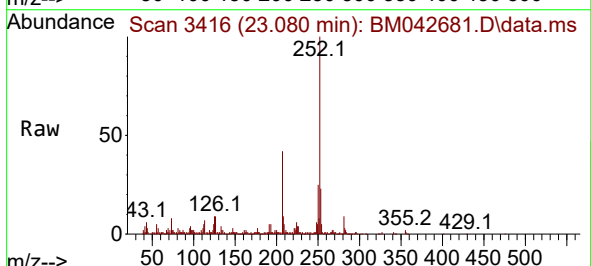
Tgt Ion:252 Resp: 209381

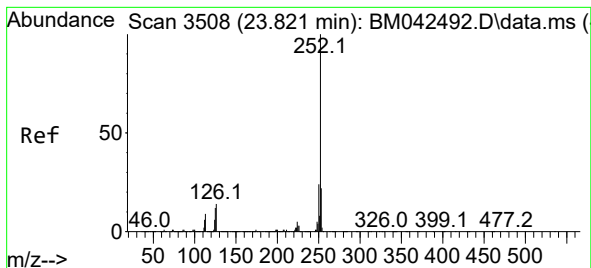
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 8.9 8.2 12.4





#90

Benzo(a)pyrene

Concen: 9.027 ng

RT: 23.703 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

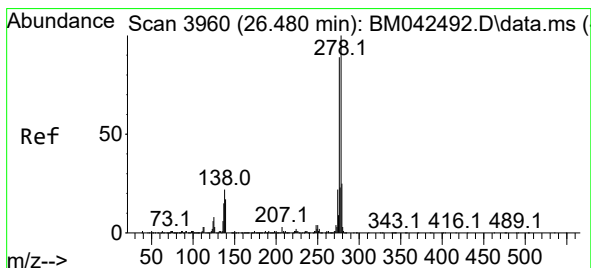
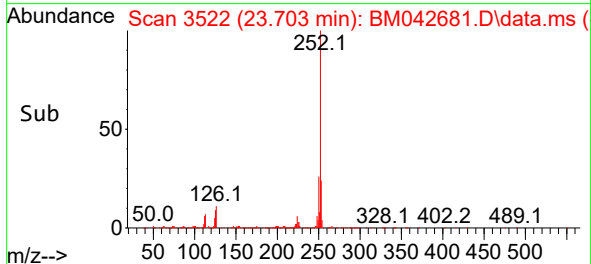
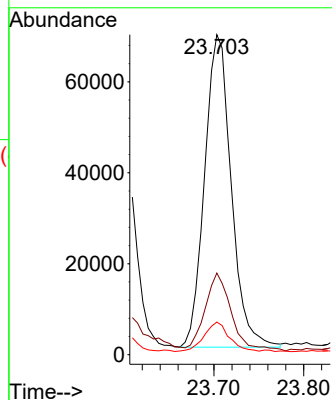
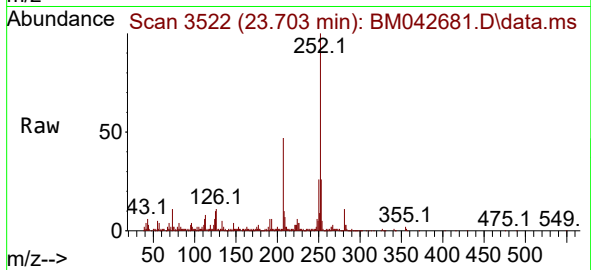
Tgt Ion:252 Resp: 141601

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 10.2 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 5.537 ng

RT: 26.303 min Scan# 3964

Delta R.T. -0.012 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

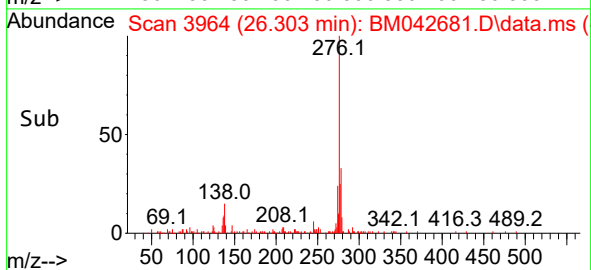
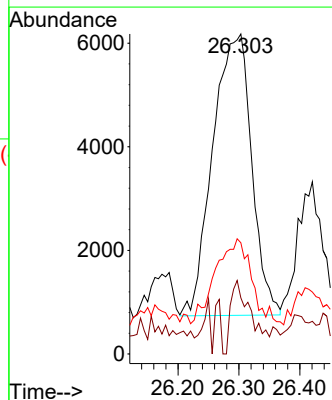
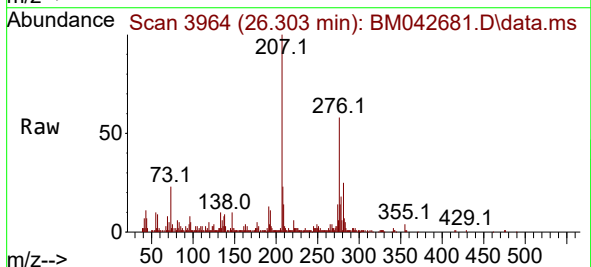
Tgt Ion:278 Resp: 24061

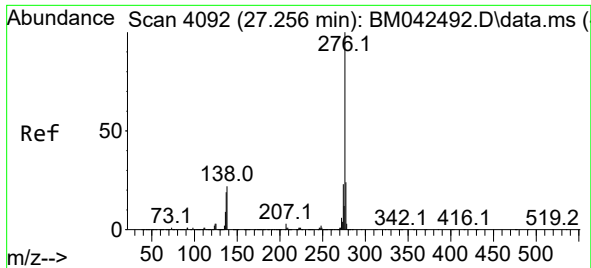
Ion Ratio Lower Upper

278 100

139 17.6 13.4 20.2

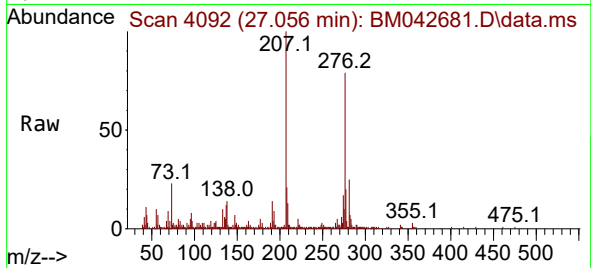
279 34.8 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 6.552 ng
RT: 27.056 min Scan# 4092
Delta R.T. -0.024 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Instrument :
BNA_M
ClientSampleId :
OR-3-110623



Tgt Ion:	276	Resp:	98287
Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	17.9	17.3	25.9

