

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041456.D
 Acq On : 21 Aug 2023 20:06
 Operator : MA/JU
 Sample : 04075-02DL 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NEVINS-SB04-Z23-24DL

Quant Time: Aug 22 03:38:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 03:32:15 2023
 Response via : Initial Calibration

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

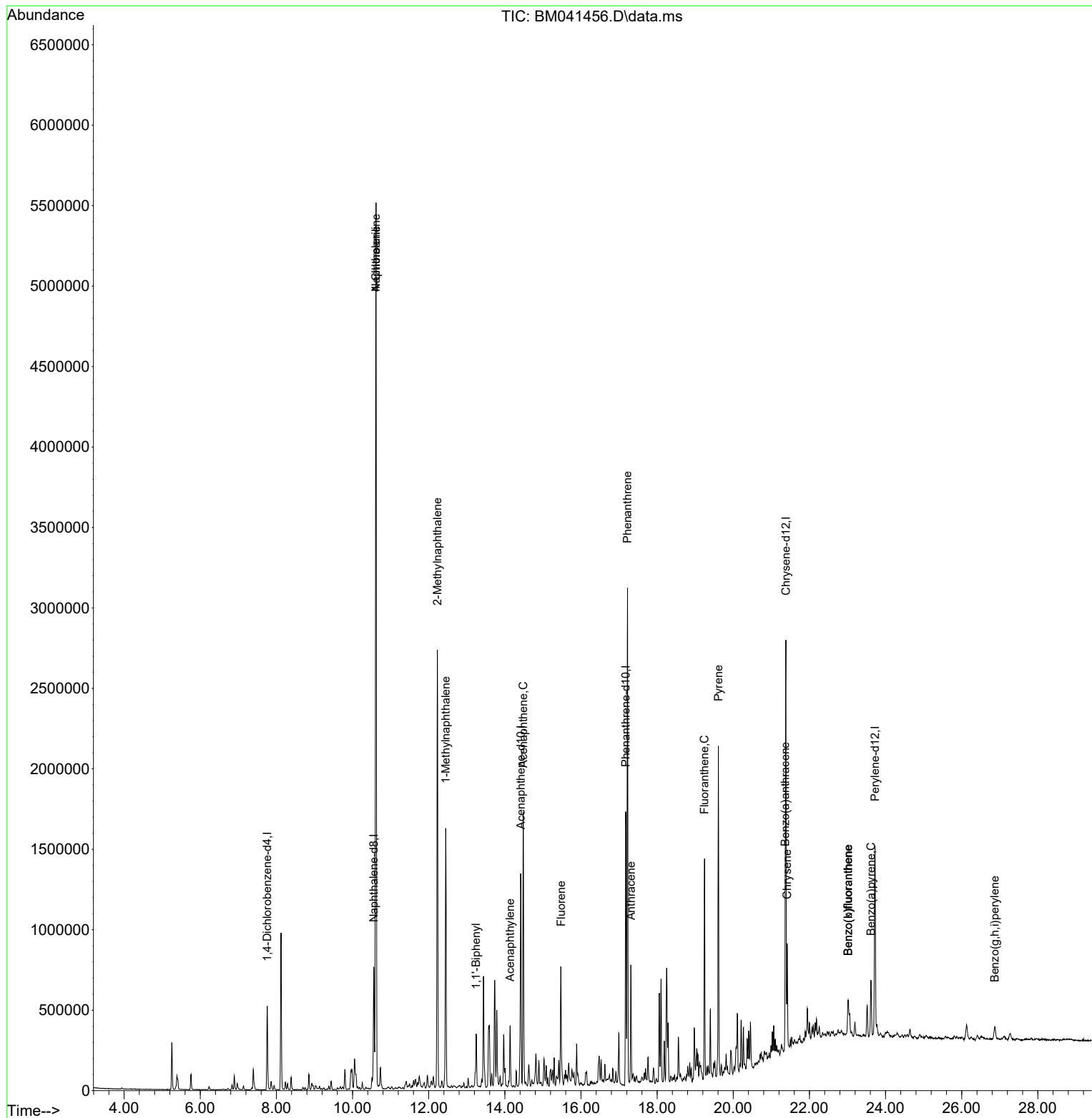
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	136825	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	595026	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	417802	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1001171	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1009101	20.000	ng	0.00
86) Perylene-d12	23.721	264	928845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	11696	1.422	ng	0.01
7) Phenol-d6	6.975	99	10764	0.964	ng	0.02
23) Nitrobenzene-d5	8.957	82	7246	0.581	ng	0.02
42) 2,4,6-Tribromophenol	15.933	330	1575	0.238	ng	0.01
45) 2-Fluorobiphenyl	13.039	172	25184	0.808	ng	0.00
79) Terphenyl-d14	19.815	244	48992	0.845	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.616	128	4207864	136.013	ng	100
33) 4-Chloroaniline	10.616	127	556932	42.641	ng	# 32
37) 2-Methylnaphthalene	12.227	142	1197775	53.208	ng	99
38) 1-Methylnaphthalene	12.445	142	725925	34.133	ng	100
46) 1,1'-Biphenyl	13.245	154	166075	5.267	ng	99
49) Acenaphthylene	14.139	152	137176	3.493	ng	# 93
52) Acenaphthene	14.480	154	563002	23.970	ng	99
58) Fluorene	15.474	166	336325	10.655	ng	99
71) Phenanthrene	17.221	178	1736974	32.867	ng	100
72) Anthracene	17.309	178	442559	8.258	ng	100
75) Fluoranthene	19.245	202	738953	11.744	ng	99
78) Pyrene	19.609	202	1203246	16.673	ng	100
81) Benzo(a)anthracene	21.362	228	407851	5.919	ng	96
83) Chrysene	21.415	228	351724	5.370	ng	98
88) Benzo(b)fluoranthene	23.015	252	229750	4.150	ng	# 97
89) Benzo(k)fluoranthene	23.015	252	229750	4.107	ng	# 96
90) Benzo(a)pyrene	23.615	252	278722	5.287	ng	99
92) Benzo(g,h,i)perylene	26.868	276	100082	2.035	ng	96

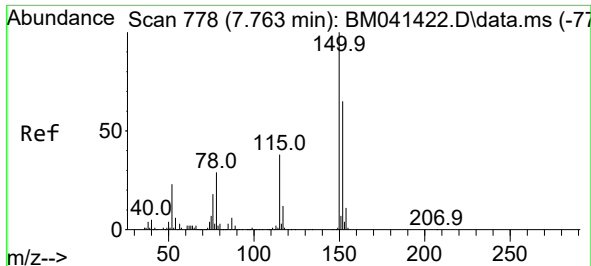
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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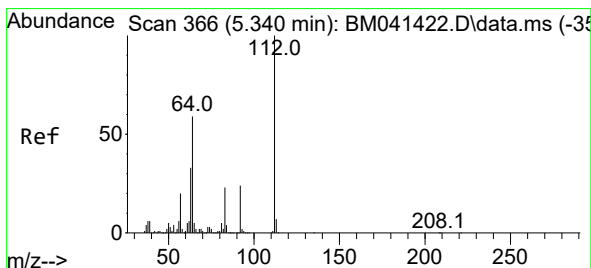
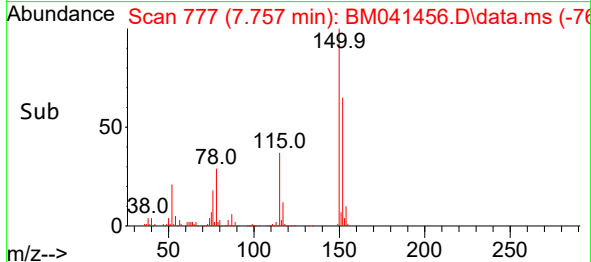
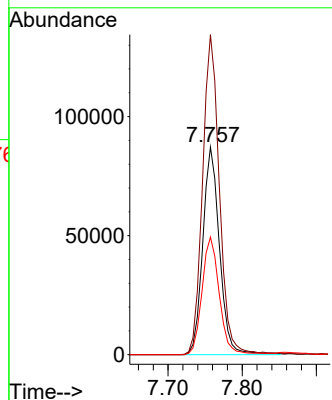
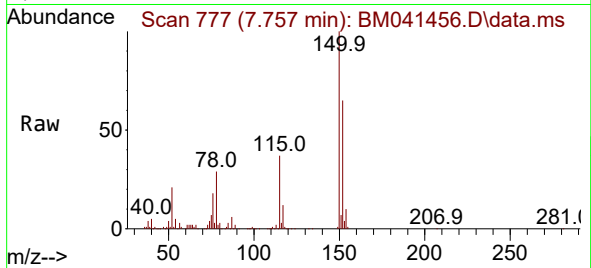




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

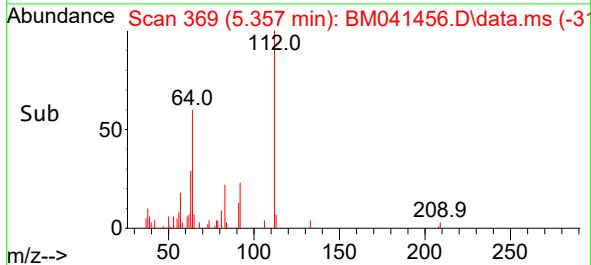
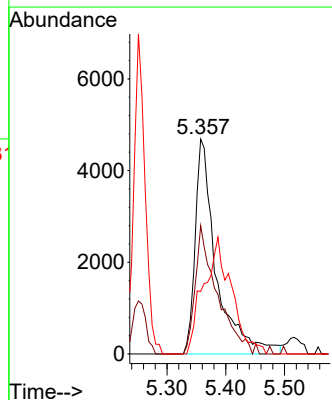
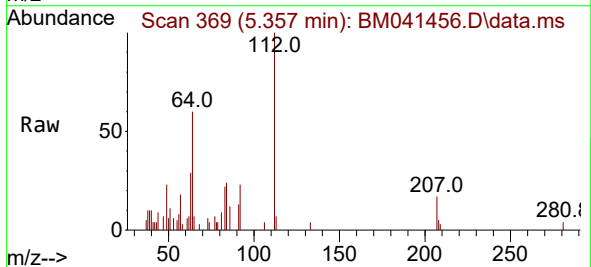
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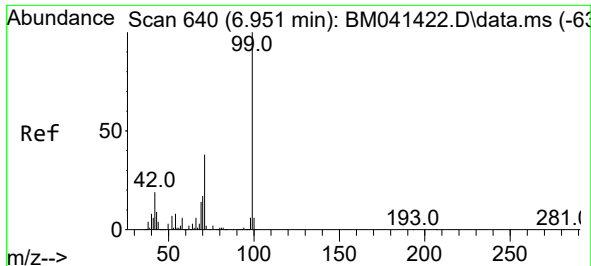
Tgt Ion:152 Resp: 136825
Ion Ratio Lower Upper
152 100
150 154.1 123.8 185.6
115 56.7 46.6 70.0



#5
2-Fluorophenol
Concen: 1.422 ng
RT: 5.357 min Scan# 369
Delta R.T. 0.012 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:112 Resp: 11696
Ion Ratio Lower Upper
112 100
64 59.7 47.3 70.9
63 29.1 26.5 39.7

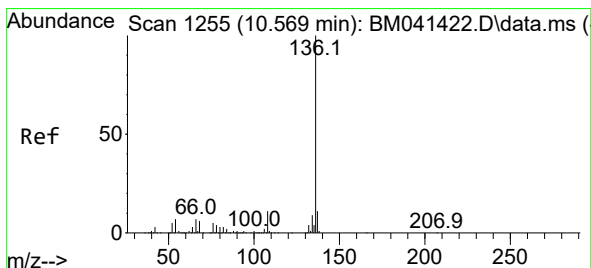
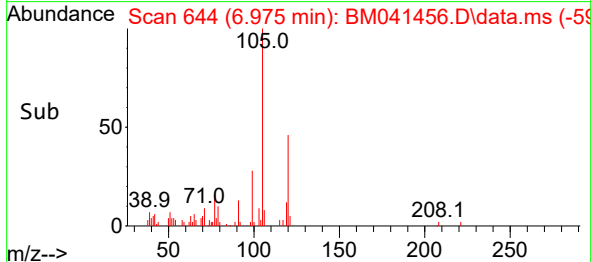
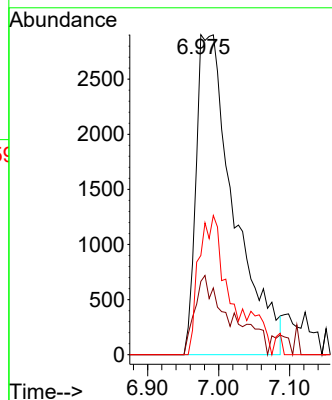
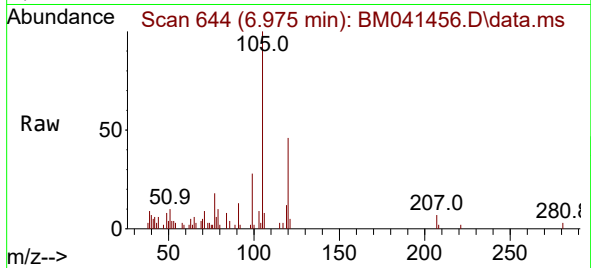




#7
Phenol-d6
Concen: 0.964 ng
RT: 6.975 min Scan# 64
Delta R.T. 0.018 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

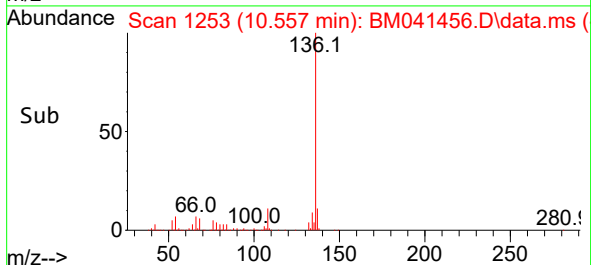
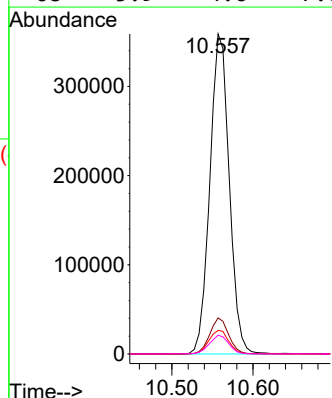
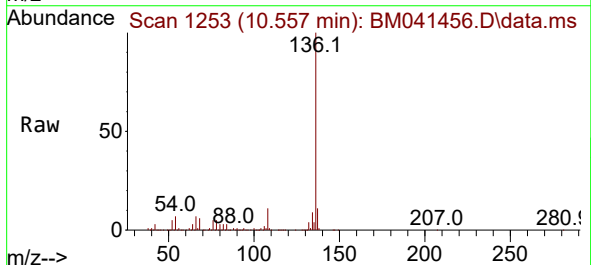
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB04-Z23-24DL

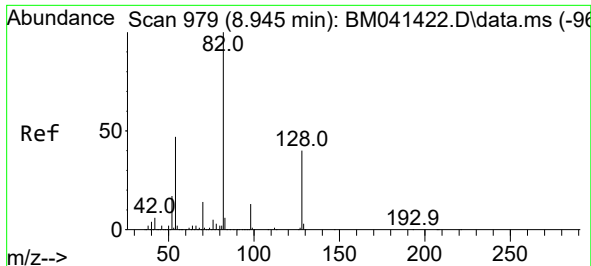
Tgt Ion: 99 Resp: 10764
Ion Ratio Lower Upper
99 100
42 22.9 15.2 22.8#
71 31.0 30.7 46.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion: 136 Resp: 595026
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.4 5.7 8.5
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 0.581 ng

RT: 8.957 min Scan# 981

Delta R.T. 0.024 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL

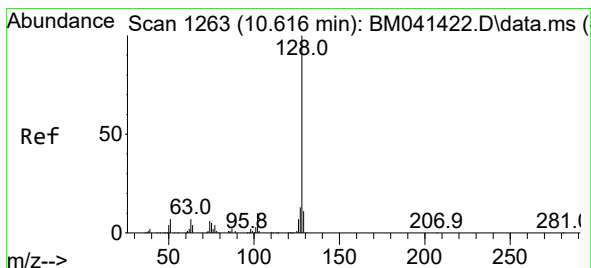
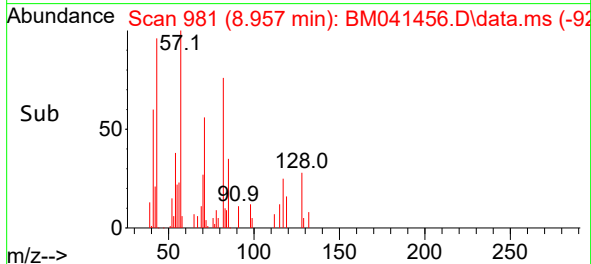
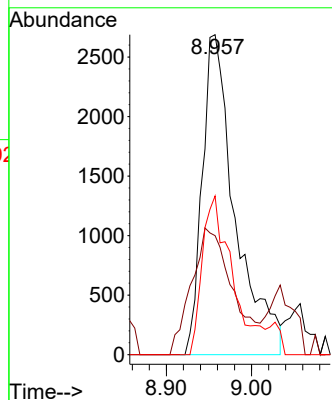
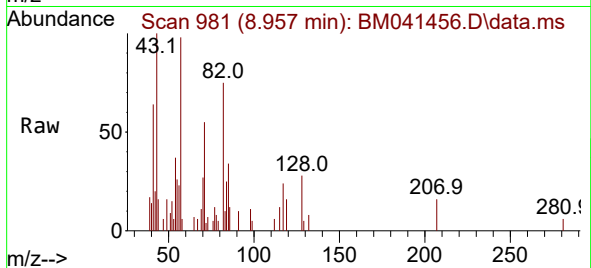
Tgt Ion: 82 Resp: 7246

Ion Ratio Lower Upper

82 100

128 37.2 32.2 48.4

54 49.6 37.5 56.3



#31

Naphthalene

Concen: 136.013 ng

RT: 10.616 min Scan# 1263

Delta R.T. 0.012 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

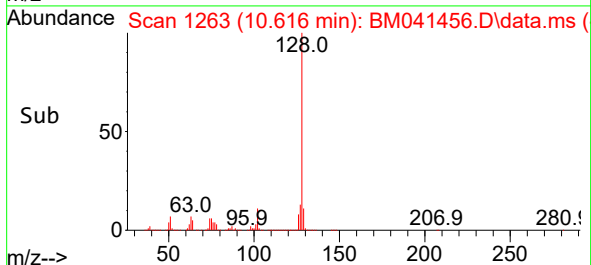
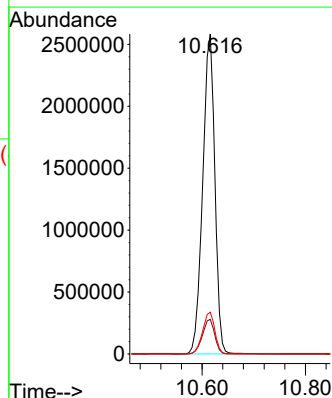
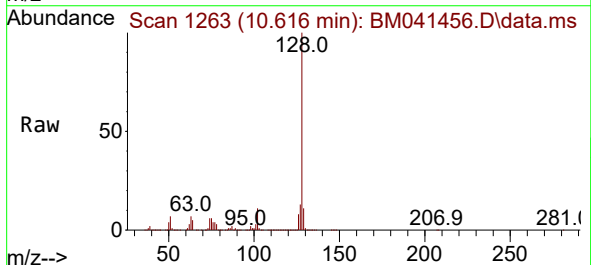
Tgt Ion: 128 Resp: 4207864

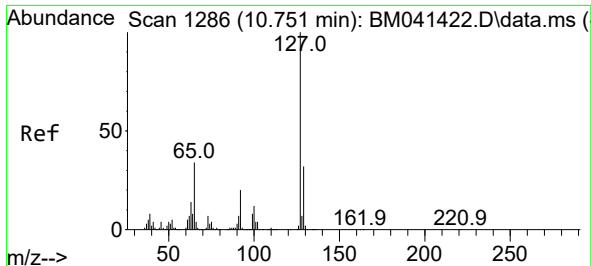
Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.1 10.6 15.8

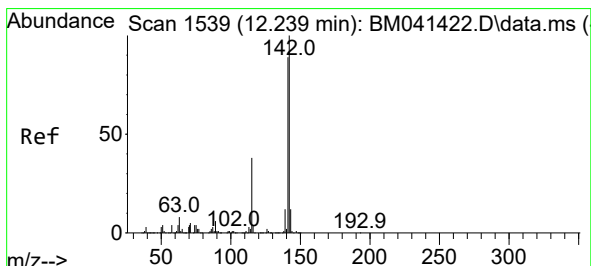
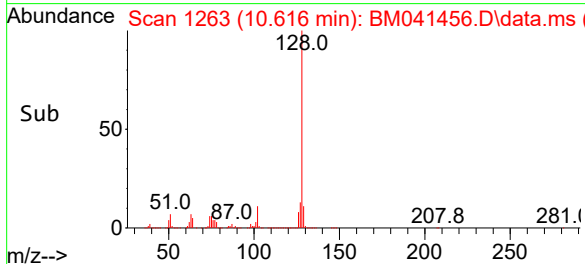
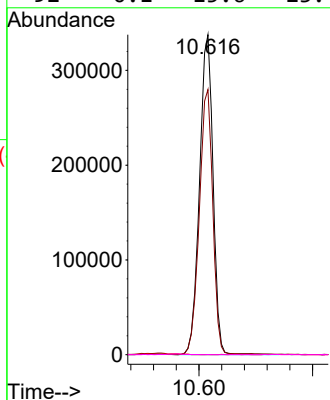
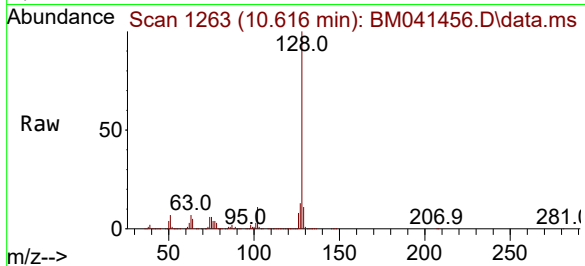




#33
4-Chloroaniline
Concen: 42.641 ng
RT: 10.616 min Scan# 11
Delta R.T. -0.124 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

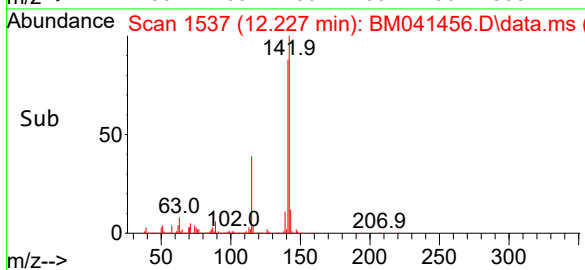
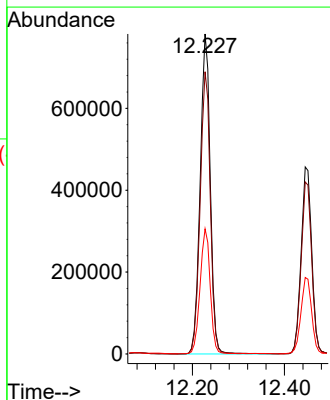
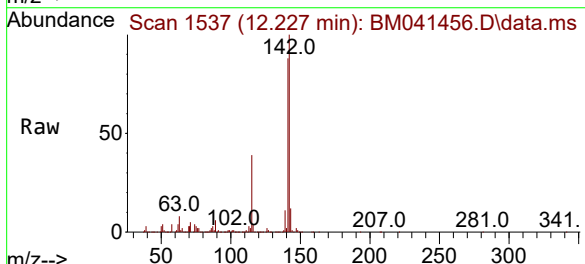
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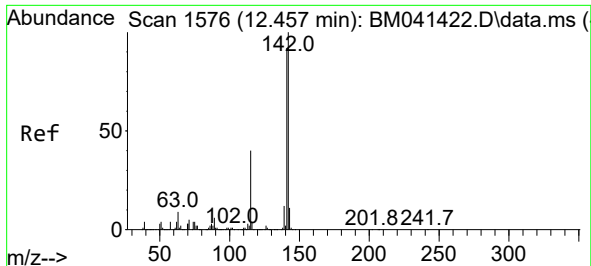
Tgt Ion:	127	Resp:	556932
Ion	Ratio	Lower	Upper
127	100		
129	82.9	25.4	38.2#
65	0.0	27.1	40.7#
92	0.1	15.6	23.4#



#37
2-Methylnaphthalene
Concen: 53.208 ng
RT: 12.227 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:	142	Resp:	1197775
Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.4	107.0
115	39.1	30.8	46.2

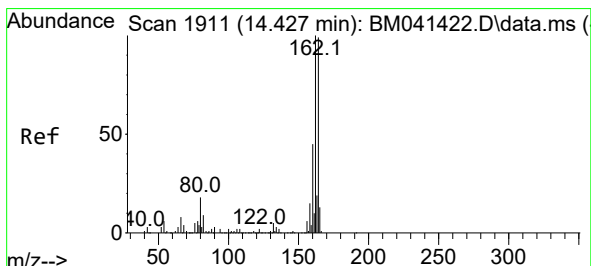
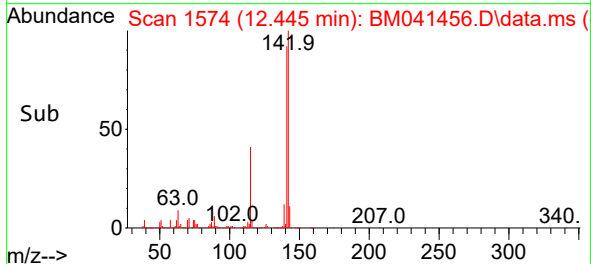
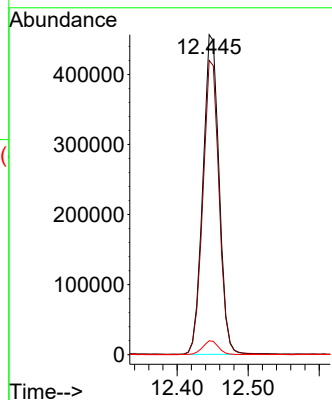
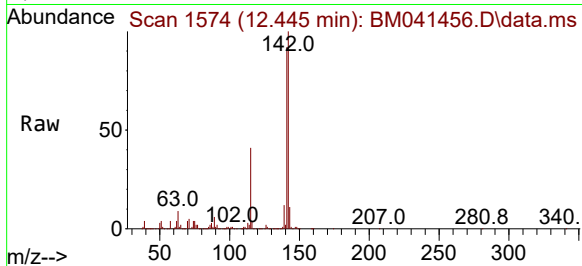




#38
1-Methylnaphthalene
Concen: 34.133 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

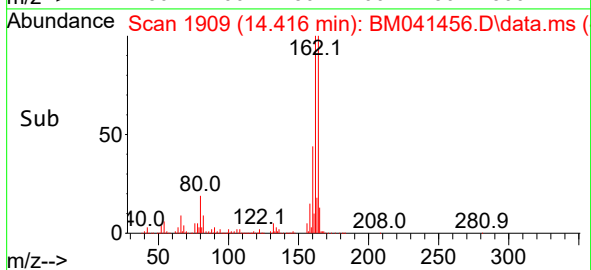
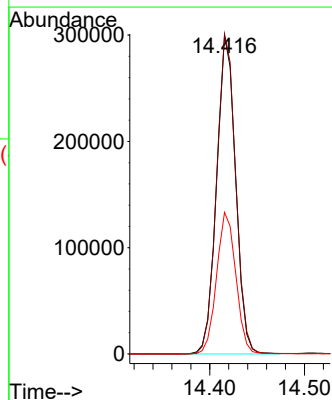
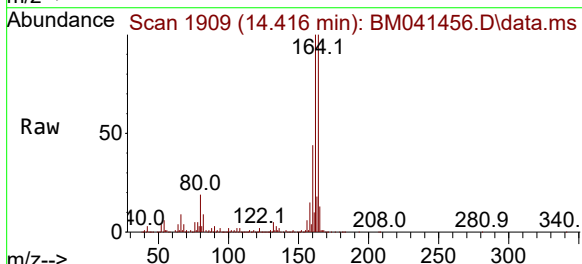
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BNA_M
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NEVINS-SB04-Z23-24DL

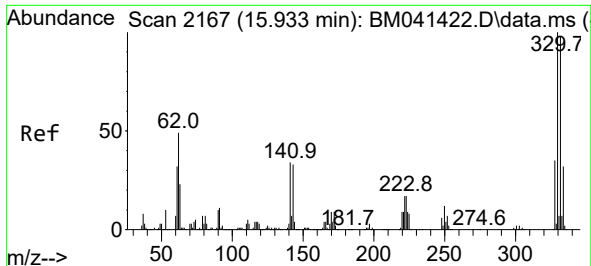
Tgt Ion:142 Resp: 725925
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9
116 4.3 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:164 Resp: 417802
Ion Ratio Lower Upper
164 100
162 100.5 80.4 120.6
160 44.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 0.238 ng

RT: 15.933 min Scan# 2167

Delta R.T. 0.012 min

Lab File: BM041456.D

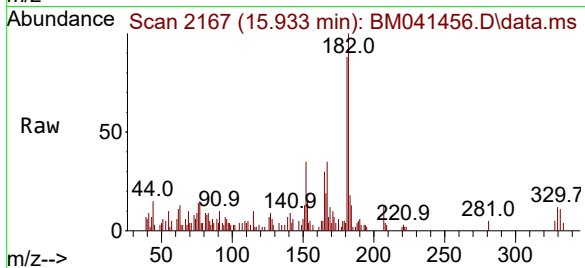
Acq: 21 Aug 2023 20:06

Instrument :

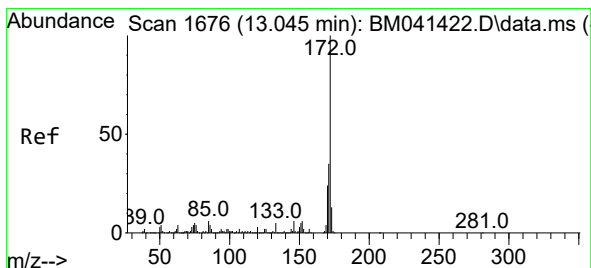
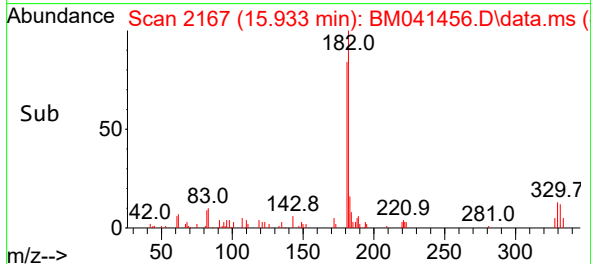
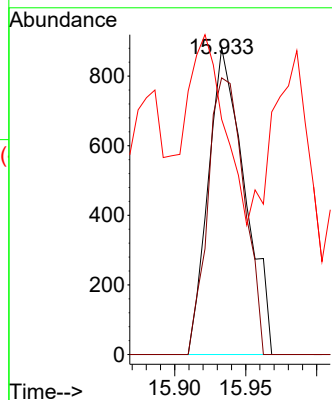
BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL



Tgt Ion:	330	Resp:	1575
Ion Ratio	Lower	Upper	
330	100		
332	89.8	78.0	117.0
141	61.8	28.3	42.5#



#45

2-Fluorobiphenyl

Concen: 0.808 ng

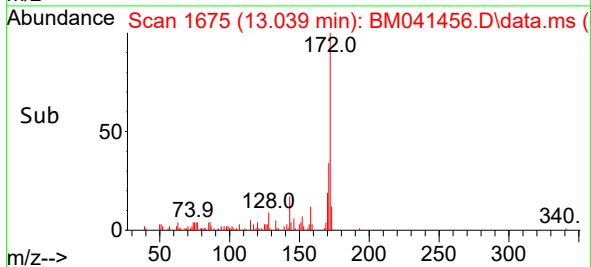
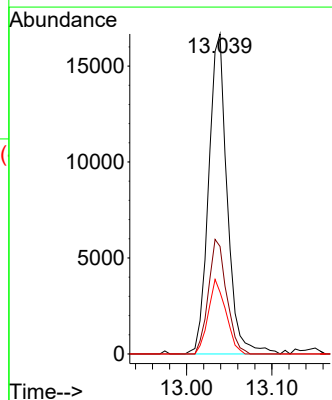
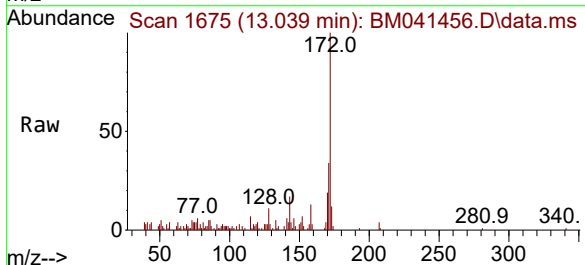
RT: 13.039 min Scan# 1675

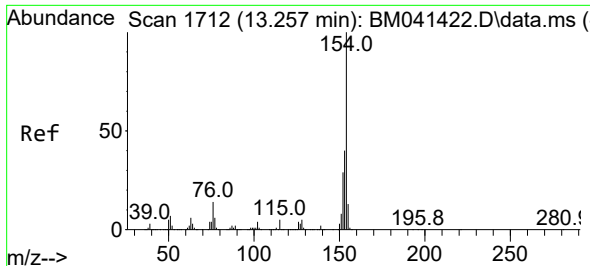
Delta R.T. 0.006 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Tgt Ion:	172	Resp:	25184
Ion Ratio	Lower	Upper	
172	100		
171	33.6	28.3	42.5
170	19.3	19.0	28.6

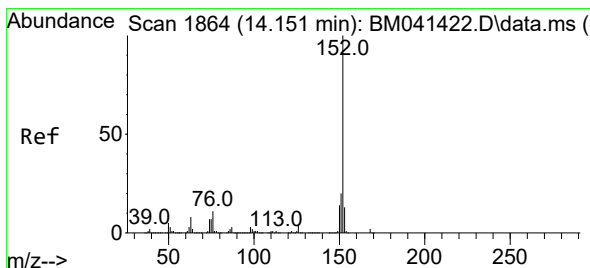
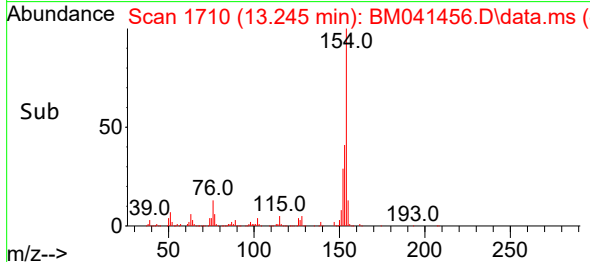
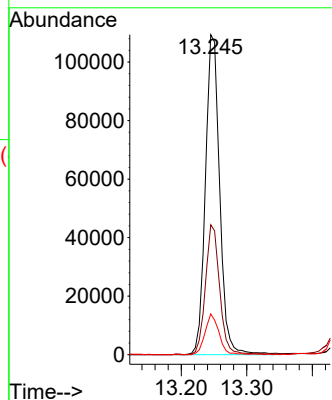
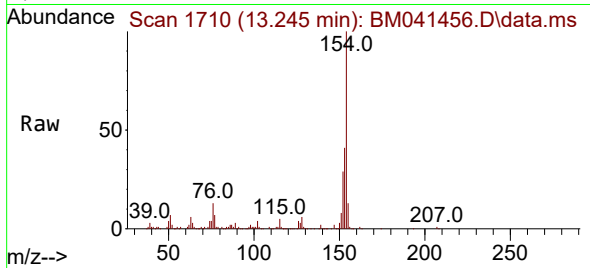




#46
1,1'-Biphenyl
Concen: 5.267 ng
RT: 13.245 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

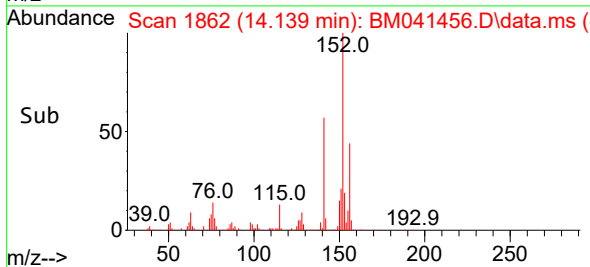
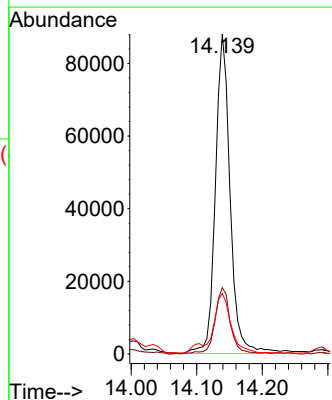
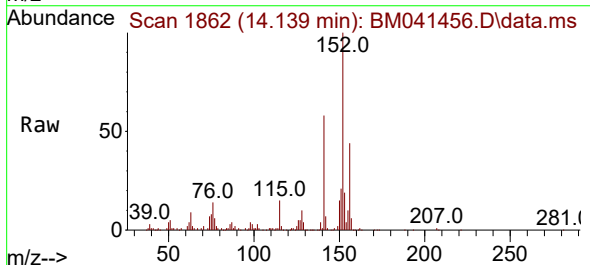
Instrument :
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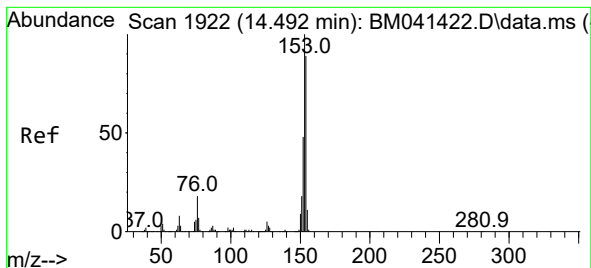
Tgt Ion:154 Resp: 166075
Ion Ratio Lower Upper
154 100
153 40.6 20.4 60.4
76 12.8 0.0 33.6



#49
Acenaphthylene
Concen: 3.493 ng
RT: 14.139 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:152 Resp: 137176
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 18.9 10.2 15.2#





#52

Acenaphthene

Concen: 23.970 ng

RT: 14.480 min Scan# 1922

Delta R.T. -0.000 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL

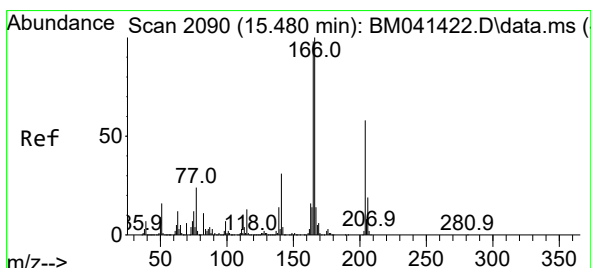
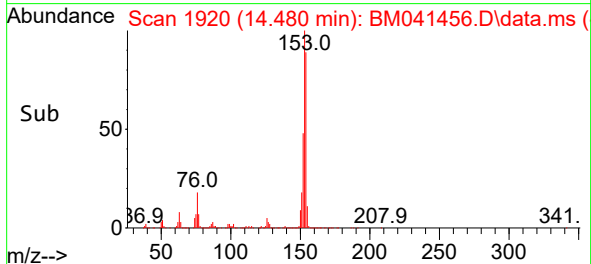
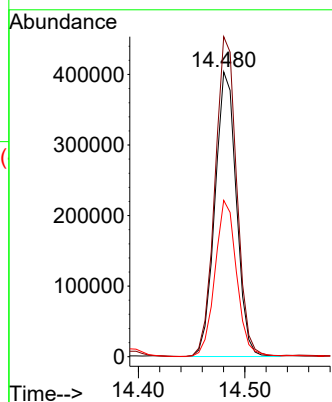
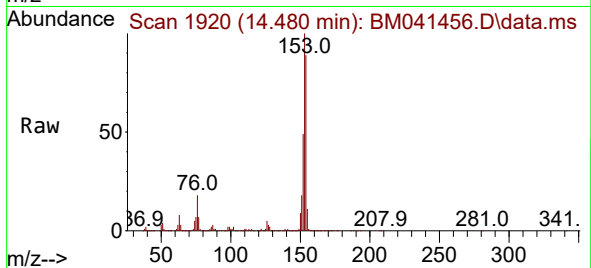
Tgt Ion:154 Resp: 563002

Ion Ratio Lower Upper

154 100

153 112.3 90.4 135.6

152 54.9 43.1 64.7



#58

Fluorene

Concen: 10.655 ng

RT: 15.474 min Scan# 2089

Delta R.T. -0.000 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

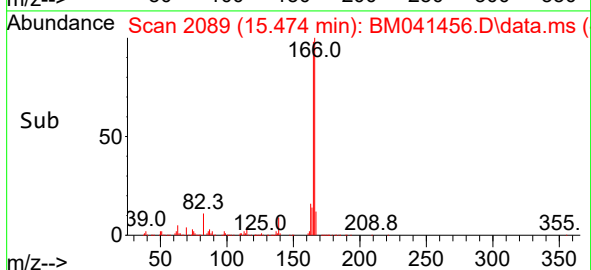
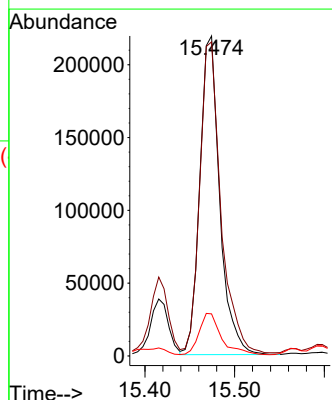
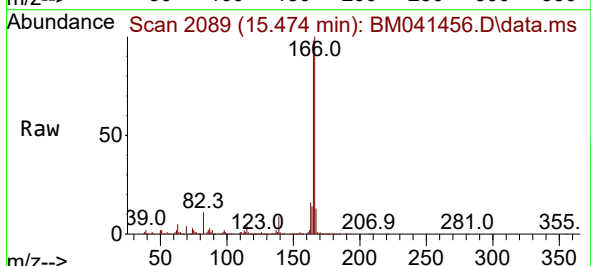
Tgt Ion:166 Resp: 336325

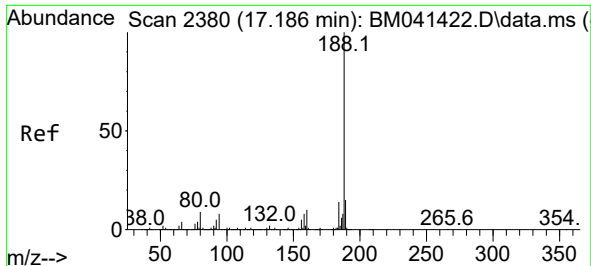
Ion Ratio Lower Upper

166 100

165 98.2 78.2 117.4

167 13.2 11.2 16.8

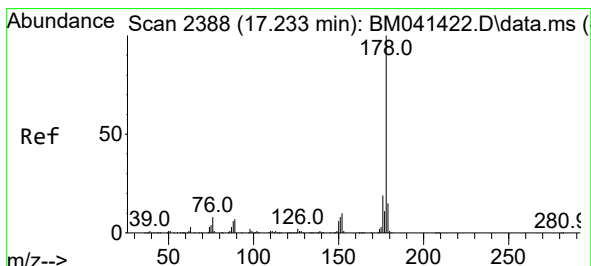
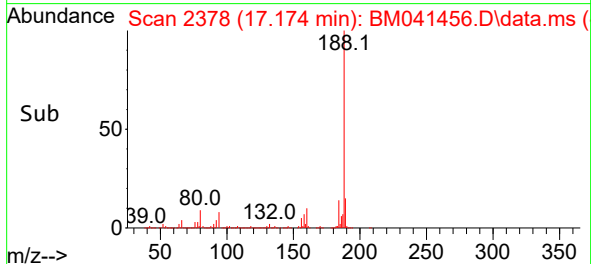
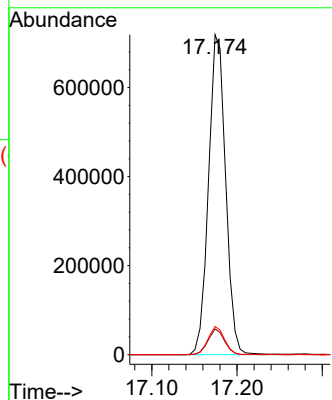
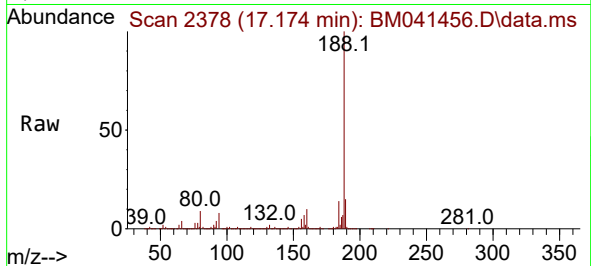




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

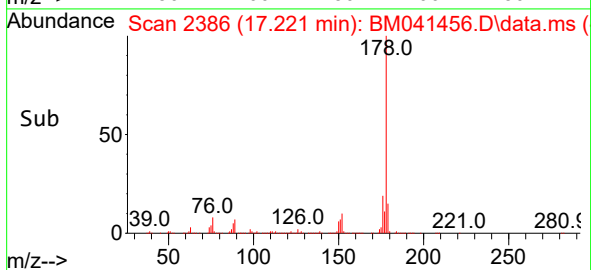
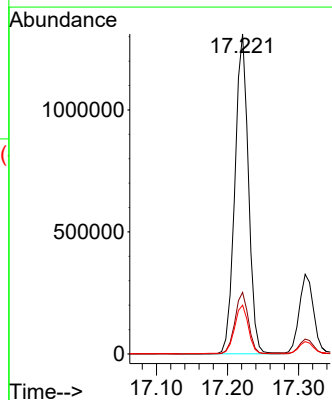
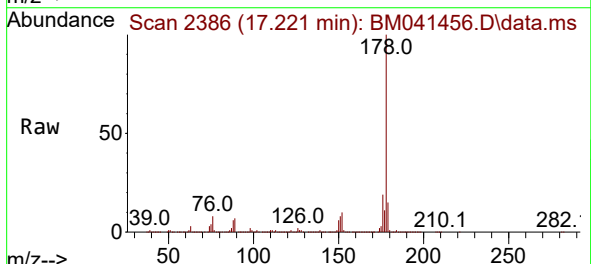
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB04-Z23-24DL

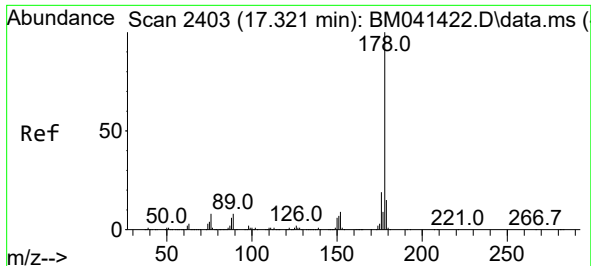
Tgt Ion:188 Resp: 1001171
Ion Ratio Lower Upper
188 100
94 8.0 6.6 9.8
80 8.8 7.5 11.3



#71
Phenanthrene
Concen: 32.867 ng
RT: 17.221 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:178 Resp: 1736974
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4

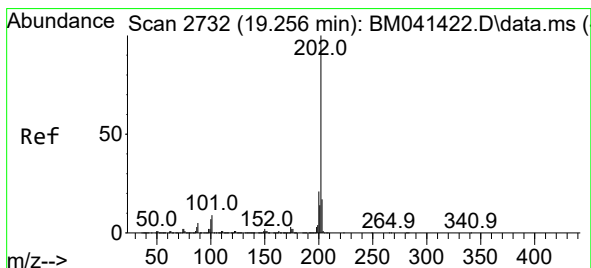
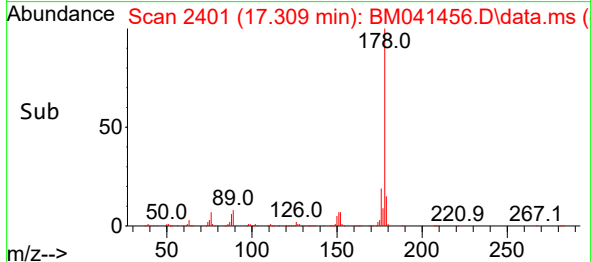
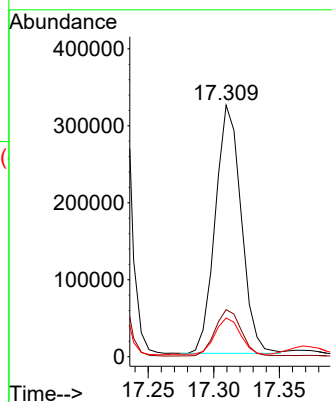
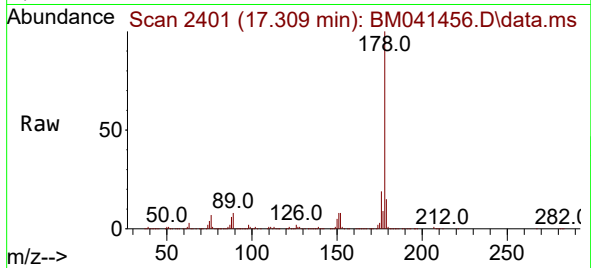




#72
 Anthracene
 Concen: 8.258 ng
 RT: 17.309 min Scan# 2403
 Delta R.T. 0.000 min
 Lab File: BM041456.D
 Acq: 21 Aug 2023 20:06

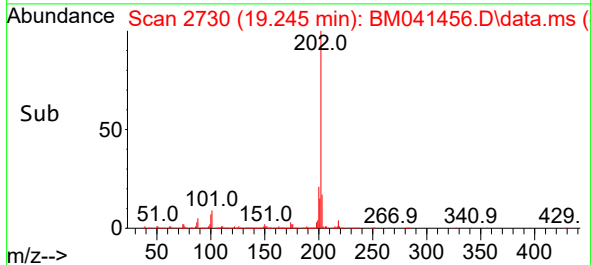
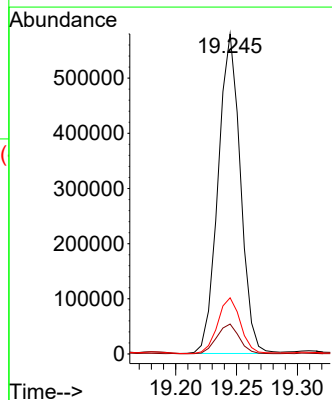
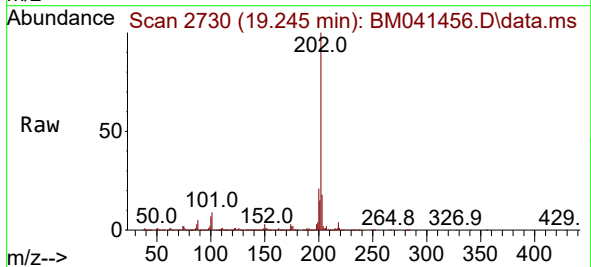
Instrument :
 BNA_M
 ClientSampleId :
 NEVINS-SB04-Z23-24DL

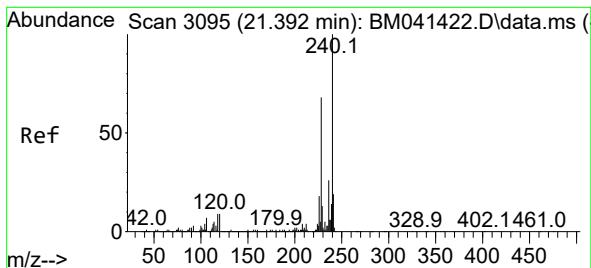
Tgt Ion:178 Resp: 442559
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.4 12.2 18.2



#75
 Fluoranthene
 Concen: 11.744 ng
 RT: 19.245 min Scan# 2730
 Delta R.T. 0.000 min
 Lab File: BM041456.D
 Acq: 21 Aug 2023 20:06

Tgt Ion:202 Resp: 738953
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.1
 203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL

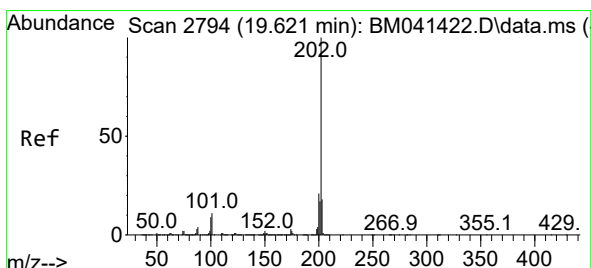
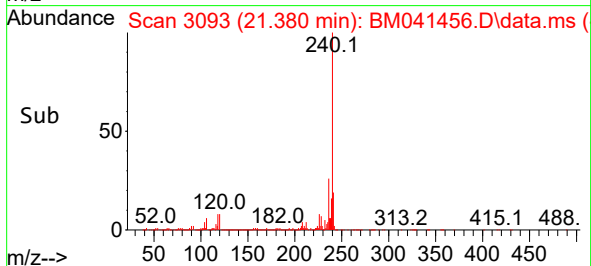
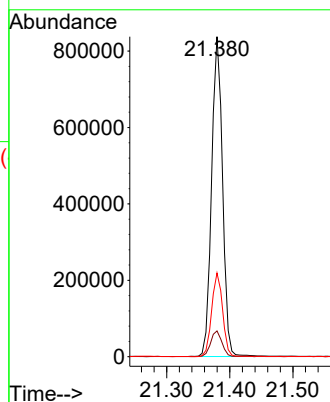
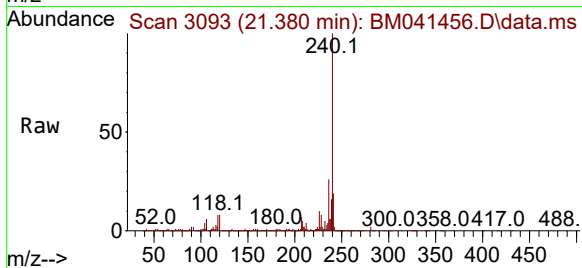
Tgt Ion:240 Resp: 1009101

Ion Ratio Lower Upper

240 100

120 8.1 7.4 11.2

236 26.1 20.8 31.2



#78

Pyrene

Concen: 16.673 ng

RT: 19.609 min Scan# 2792

Delta R.T. 0.000 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

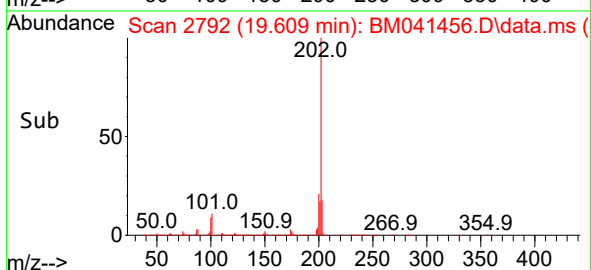
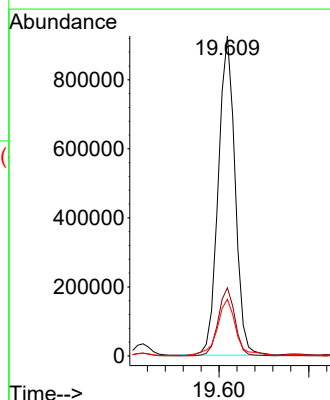
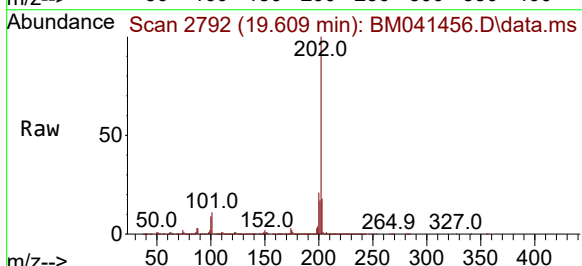
Tgt Ion:202 Resp: 1203246

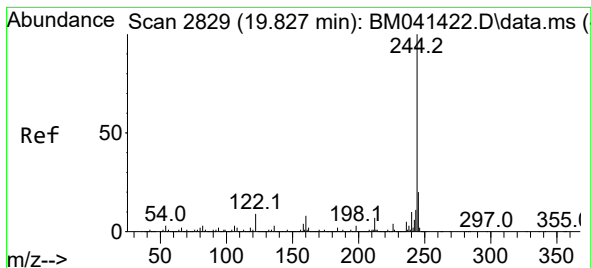
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 0.845 ng

RT: 19.815 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041456.D

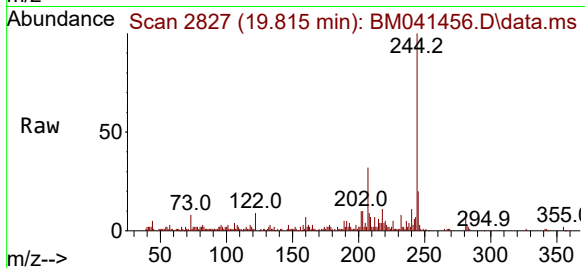
Acq: 21 Aug 2023 20:06

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL



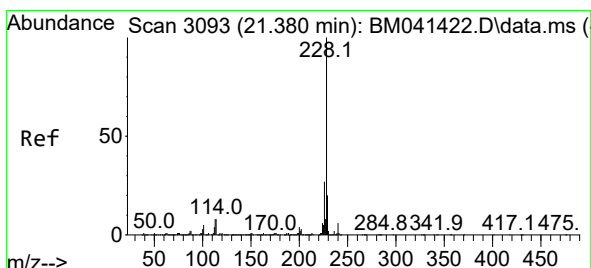
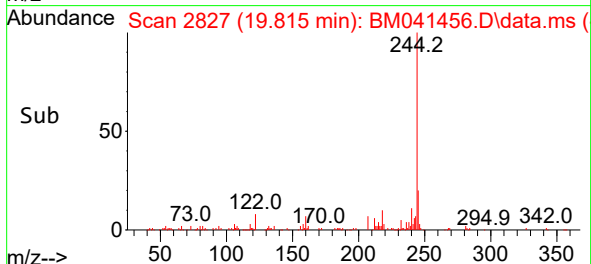
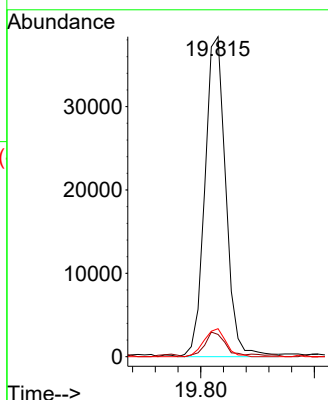
Tgt Ion:244 Resp: 48992

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.8 6.9 10.3



#81

Benzo(a)anthracene

Concen: 5.919 ng

RT: 21.362 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

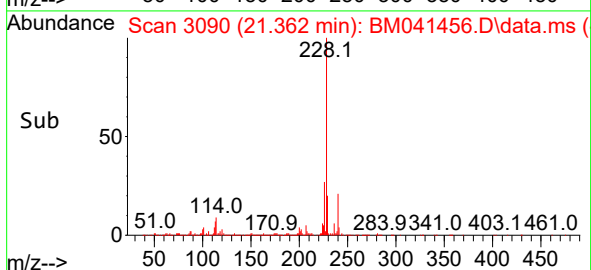
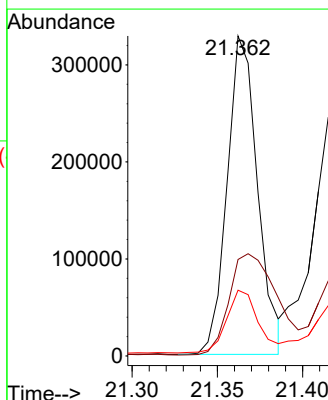
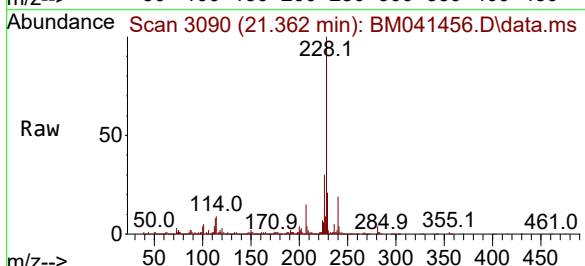
Tgt Ion:228 Resp: 407851

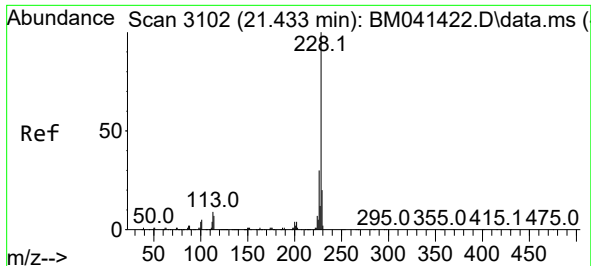
Ion Ratio Lower Upper

228 100

226 30.2 21.6 32.4

229 20.5 15.8 23.6

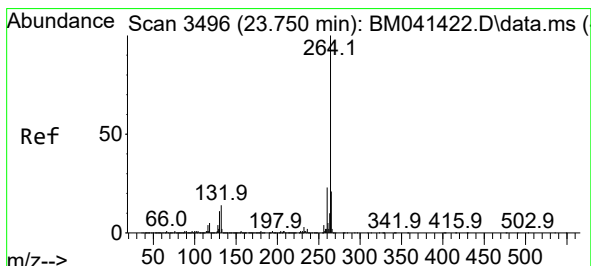
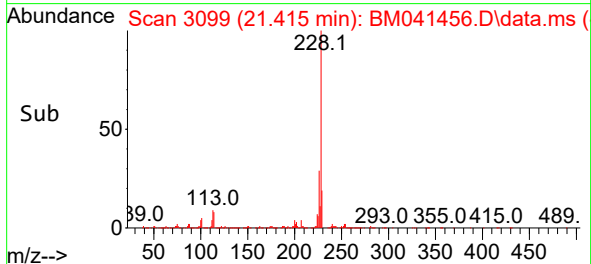
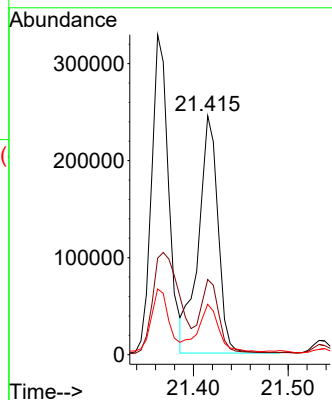
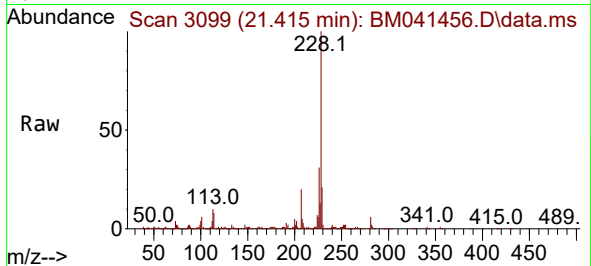




#83
Chrysene
Concen: 5.370 ng
RT: 21.415 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

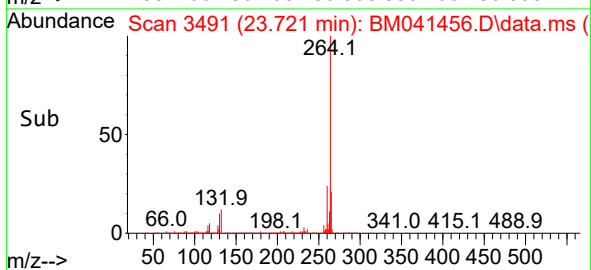
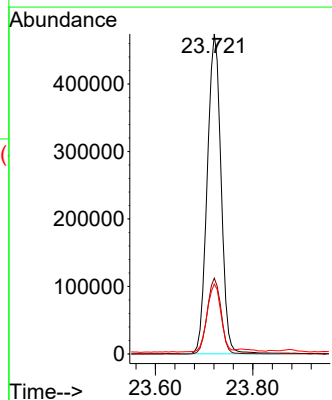
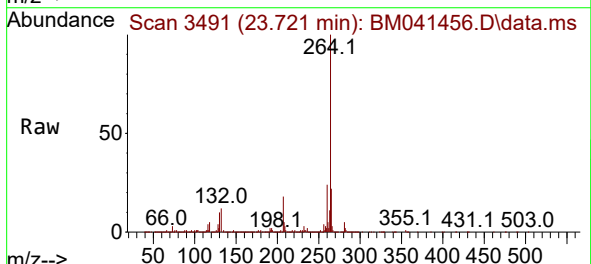
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB04-Z23-24DL

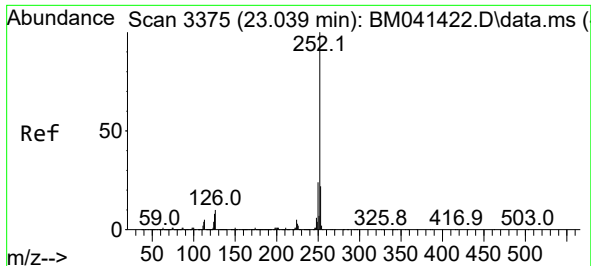
Tgt Ion:228 Resp: 351724
Ion Ratio Lower Upper
228 100
226 31.5 24.2 36.4
229 21.1 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3491
Delta R.T. -0.006 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:264 Resp: 928845
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.9 17.5 26.3

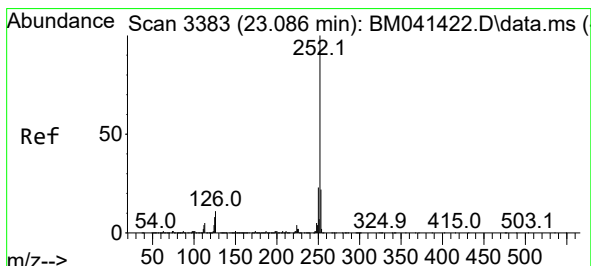
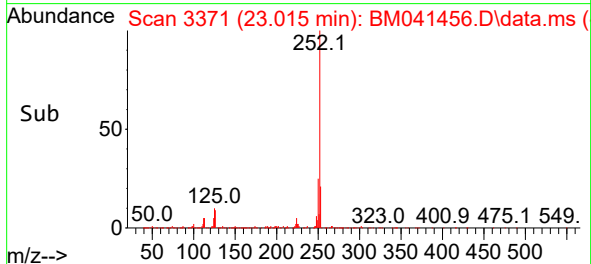
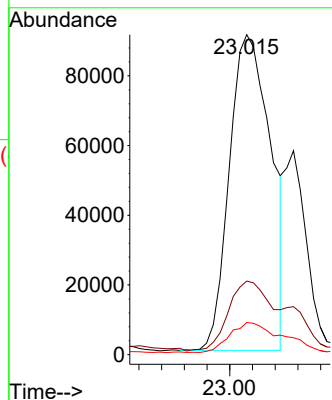
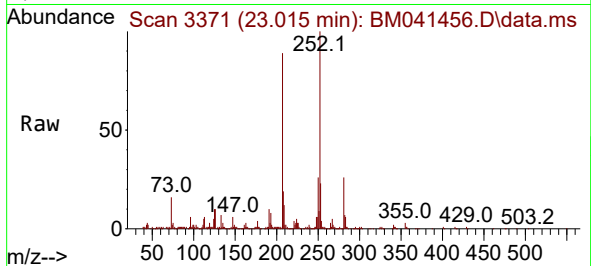




#88
Benzo(b)fluoranthene
Concen: 4.150 ng
RT: 23.015 min Scan# 3371
Delta R.T. -0.000 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

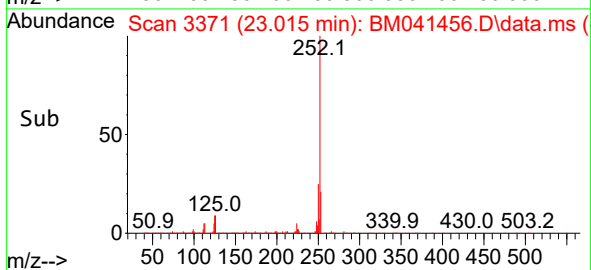
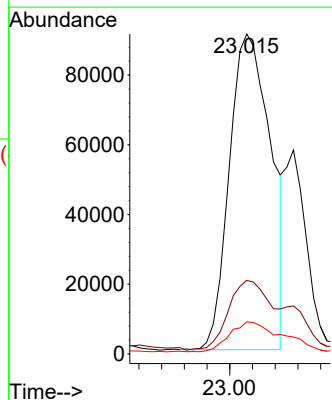
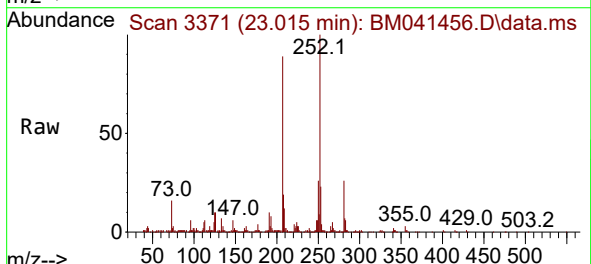
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB04-Z23-24DL

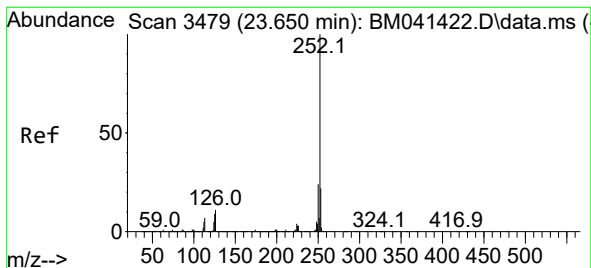
Tgt Ion:252 Resp: 229750
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.1 6.6 10.0#



#89
Benzo(k)fluoranthene
Concen: 4.107 ng
RT: 23.015 min Scan# 3371
Delta R.T. -0.053 min
Lab File: BM041456.D
Acq: 21 Aug 2023 20:06

Tgt Ion:252 Resp: 229750
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.1 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 5.287 ng

RT: 23.615 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB04-Z23-24DL

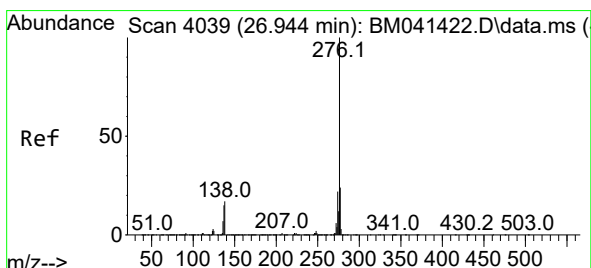
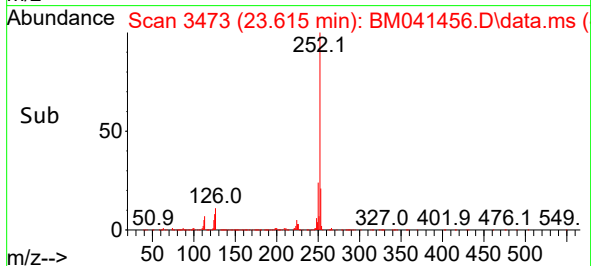
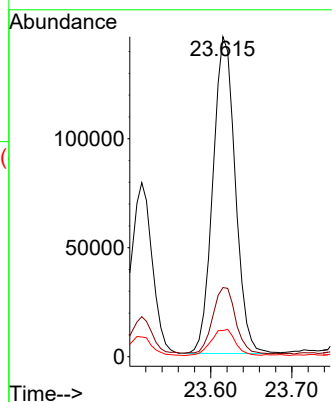
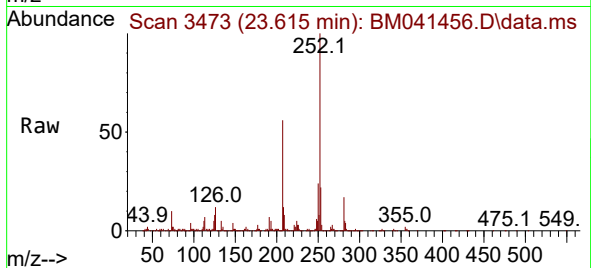
Tgt Ion:252 Resp: 278722

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 8.2 7.2 10.8



#92

Benzo(g,h,i)perylene

Concen: 2.035 ng

RT: 26.868 min Scan# 4026

Delta R.T. -0.024 min

Lab File: BM041456.D

Acq: 21 Aug 2023 20:06

Tgt Ion:276 Resp: 100082

Ion Ratio Lower Upper

276 100

277 26.1 19.6 29.4

138 19.0 13.2 19.8

