

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041455.D
 Acq On : 21 Aug 2023 19:28
 Operator : MA/JU
 Sample : 04075-01DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NEVINS-SB05-Z113-114DL

Quant Time: Aug 22 03:38:29 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)

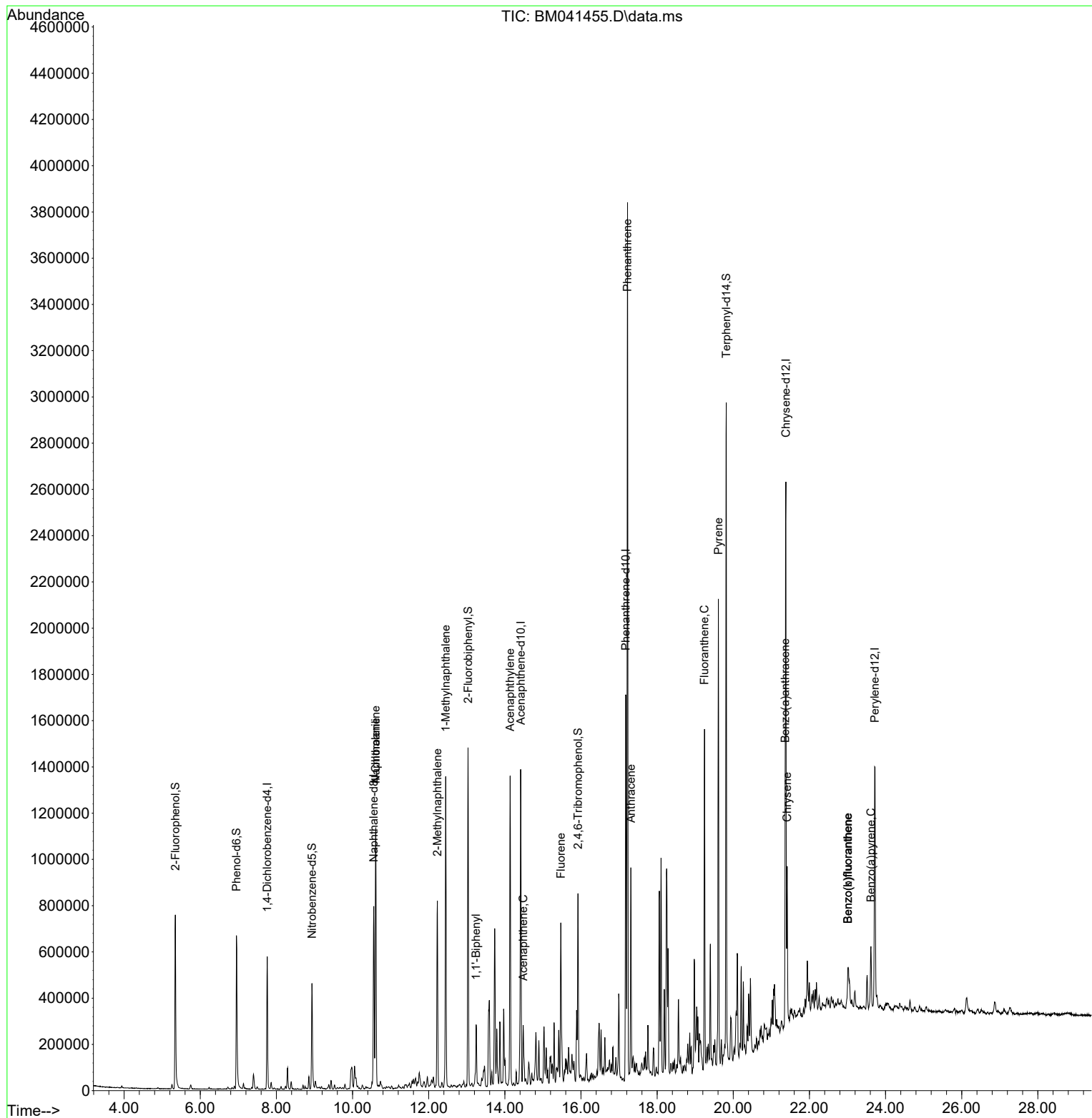
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	148862	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	618922	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	434297	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1011866	20.000	ng	0.00
76) Chrysene-d12	21.380	240	943005	20.000	ng	0.00
86) Perylene-d12	23.715	264	829002	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	337526	37.719	ng	0.00
7) Phenol-d6	6.952	99	414876	34.144	ng	0.00
23) Nitrobenzene-d5	8.934	82	273778	21.116	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	136223	19.765	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	714684	22.052	ng	0.00
79) Terphenyl-d14	19.816	244	1331963	24.579	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.610	128	896334	27.854	ng	99
33) 4-Chloroaniline	10.610	127	116024	8.540	ng	# 33
37) 2-Methylnaphthalene	12.228	142	365172	15.596	ng	99
38) 1-Methylnaphthalene	12.445	142	572720	25.890	ng	99
46) 1,1'-Biphenyl	13.245	154	135491	4.134	ng	98
49) Acenaphthylene	14.139	152	758799	18.588	ng	98
52) Acenaphthene	14.481	154	87774	3.595	ng	96
58) Fluorene	15.469	166	331532	10.104	ng	98
71) Phenanthrene	17.222	178	2073575	38.822	ng	100
72) Anthracene	17.310	178	534304	9.865	ng	99
75) Fluoranthene	19.245	202	781514	12.290	ng	99
78) Pyrene	19.610	202	1204389	17.858	ng	100
81) Benzo(a)anthracene	21.362	228	409467	6.359	ng	94
83) Chrysene	21.415	228	348809	5.698	ng	98
88) Benzo(b)fluoranthene	23.009	252	241904	4.896	ng	98
89) Benzo(k)fluoranthene	23.009	252	241904	4.845	ng	# 98
90) Benzo(a)pyrene	23.615	252	213212	4.532	ng	99

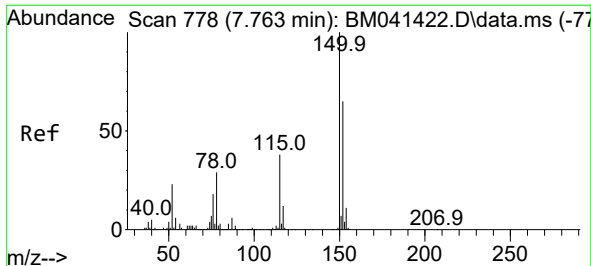
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
Data File : BM041455.D
Acq On : 21 Aug 2023 19:28
Operator : MA/JU
Sample : 04075-01DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

Quant Time: Aug 22 03:38:29 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

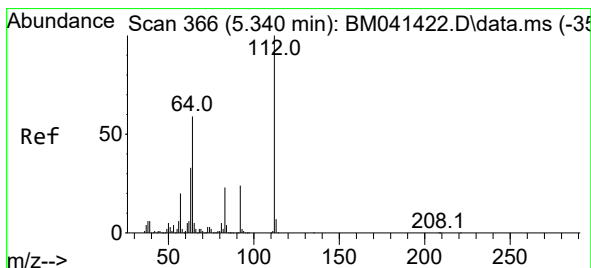
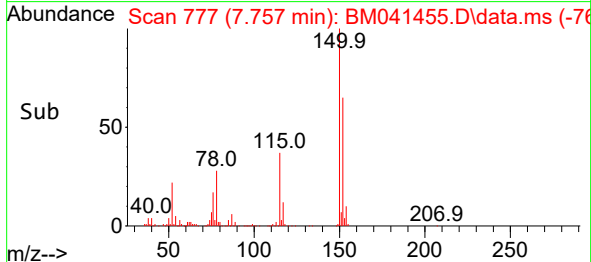
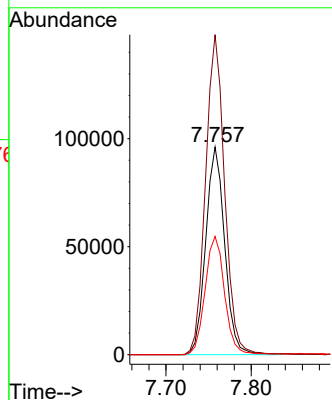
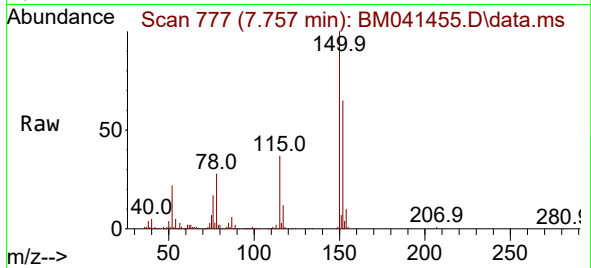




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

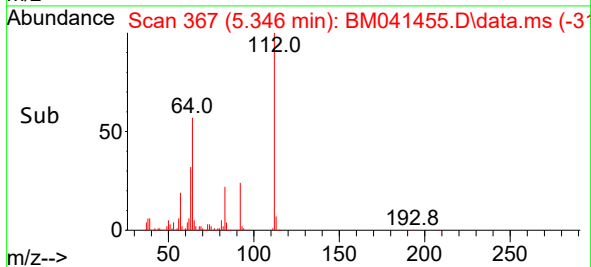
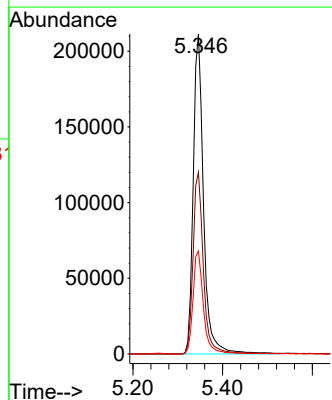
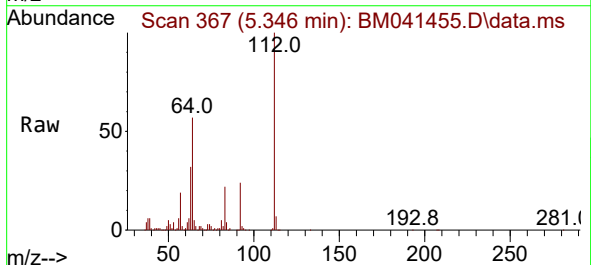
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

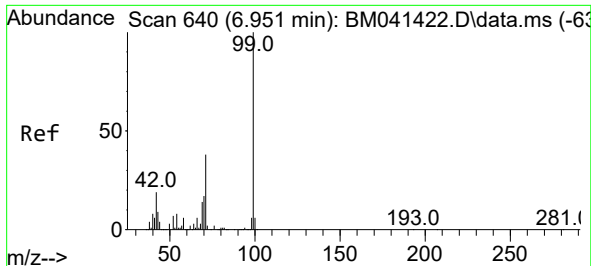
Tgt Ion:152 Resp: 148862
Ion Ratio Lower Upper
152 100
150 154.0 123.8 185.6
115 57.0 46.6 70.0



#5
2-Fluorophenol
Concen: 37.719 ng
RT: 5.346 min Scan# 367
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion:112 Resp: 337526
Ion Ratio Lower Upper
112 100
64 56.8 47.3 70.9
63 32.2 26.5 39.7

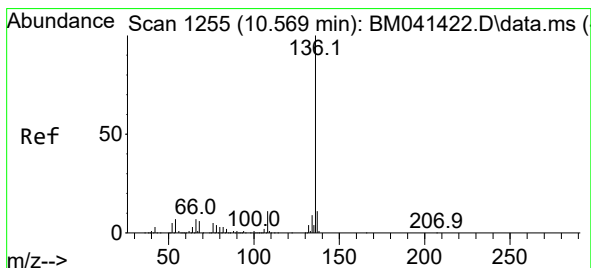
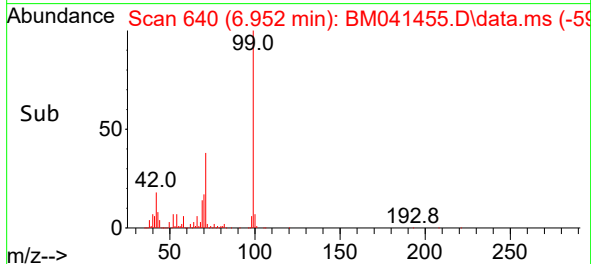
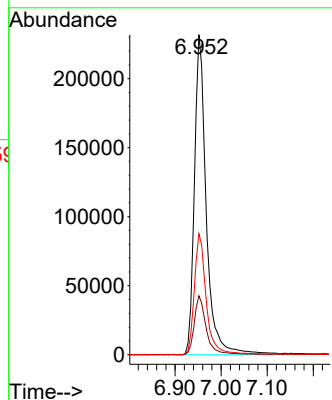
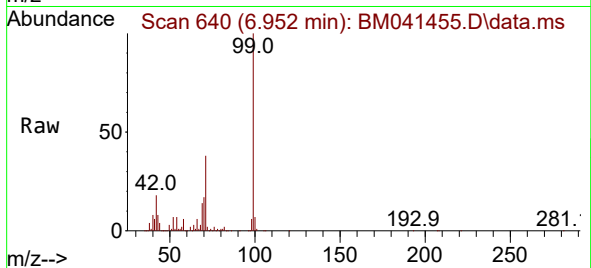




#7
Phenol-d6
Concen: 34.144 ng
RT: 6.952 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

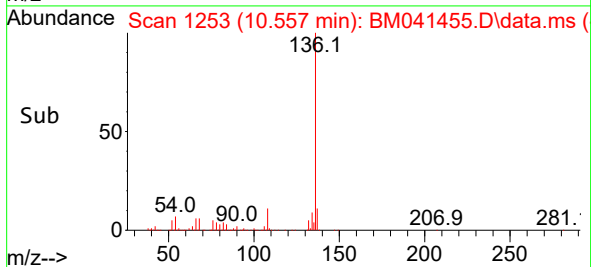
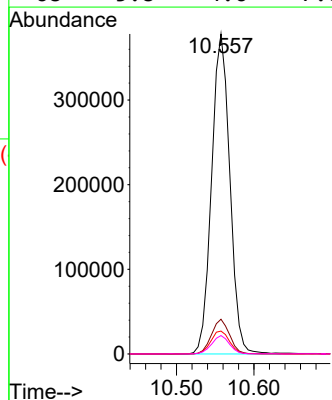
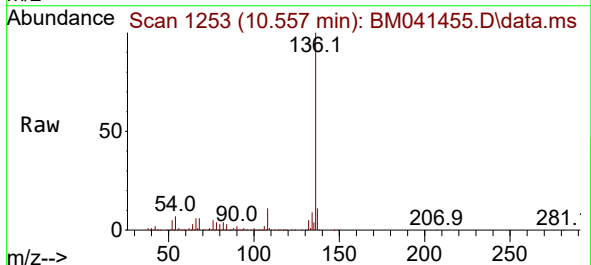
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

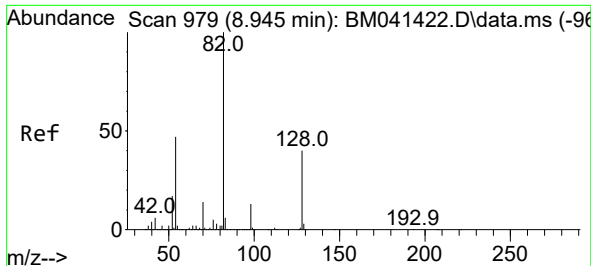
Tgt Ion: 99 Resp: 414876
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 37.8 30.7 46.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion: 136 Resp: 618922
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.2 5.7 8.5
68 5.8 4.6 7.0

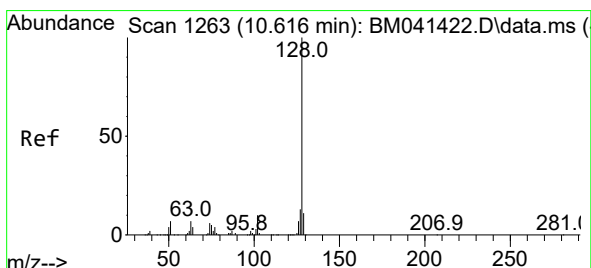
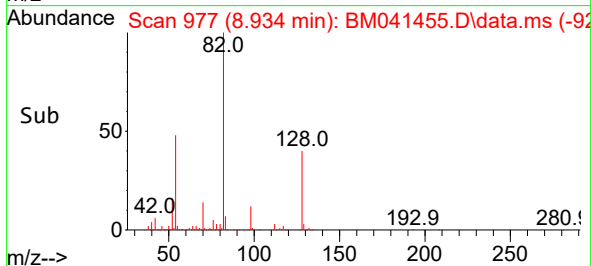
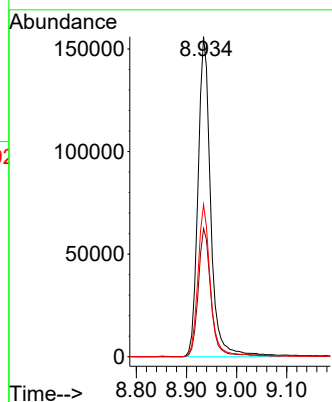
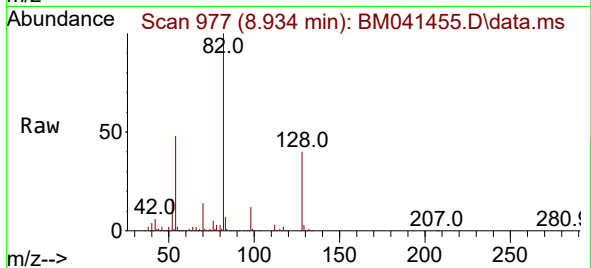




#23
Nitrobenzene-d5
Concen: 21.116 ng
RT: 8.934 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

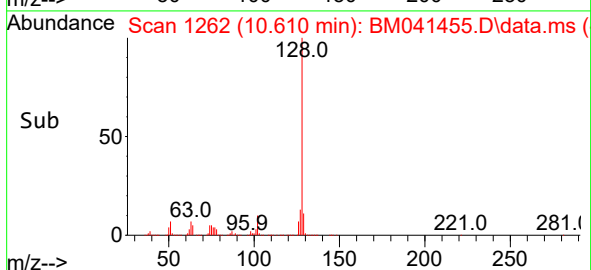
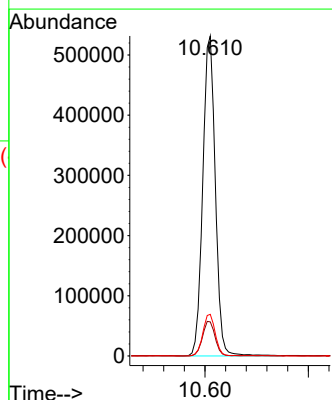
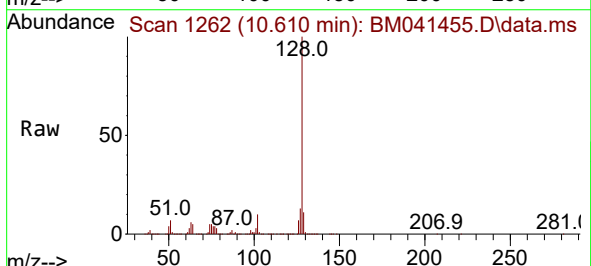
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

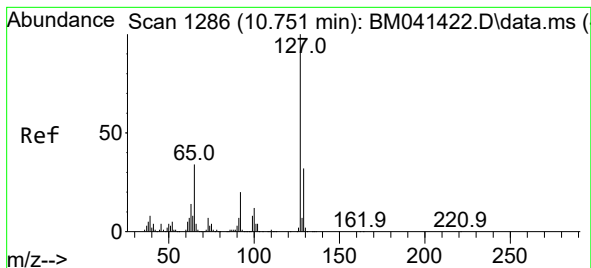
Tgt Ion: 82 Resp: 273778
Ion Ratio Lower Upper
82 100
128 40.1 32.2 48.4
54 47.5 37.5 56.3



#31
Naphthalene
Concen: 27.854 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion: 128 Resp: 896334
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.0 10.6 15.8





#33

4-Chloroaniline

Concen: 8.540 ng

RT: 10.610 min Scan# 11

Delta R.T. -0.129 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

Tgt Ion:127 Resp: 116024

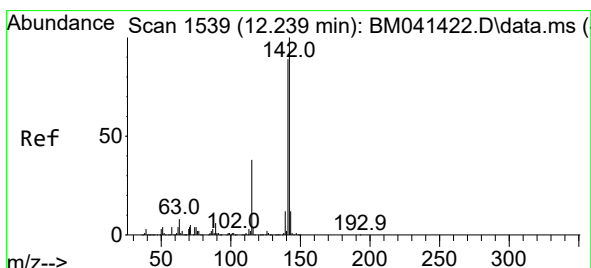
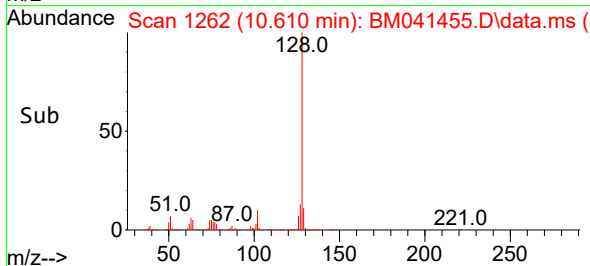
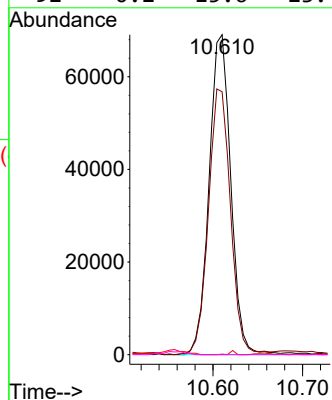
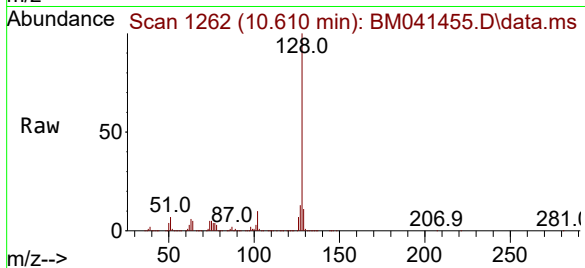
Ion Ratio Lower Upper

127 100

129 82.1 25.4 38.2#

65 0.0 27.1 40.7#

92 0.2 15.6 23.4#



#37

2-Methylnaphthalene

Concen: 15.596 ng

RT: 12.228 min Scan# 1537

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

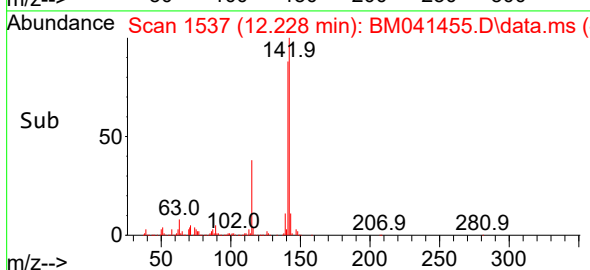
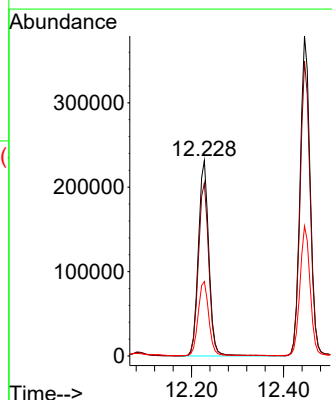
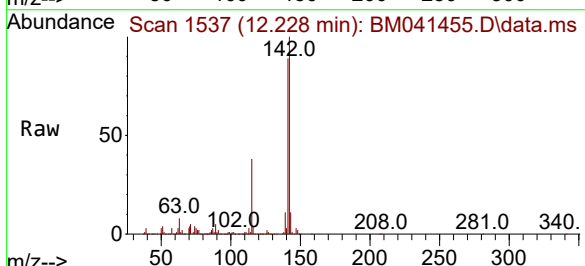
Tgt Ion:142 Resp: 365172

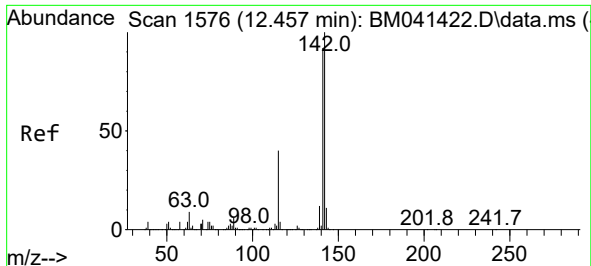
Ion Ratio Lower Upper

142 100

141 88.5 71.4 107.0

115 38.1 30.8 46.2

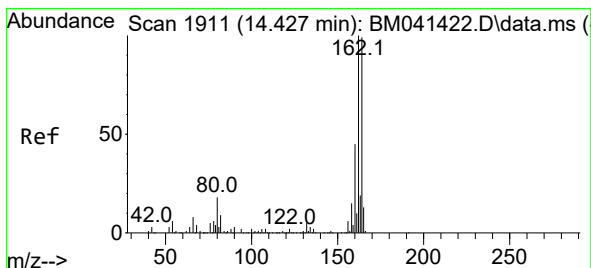
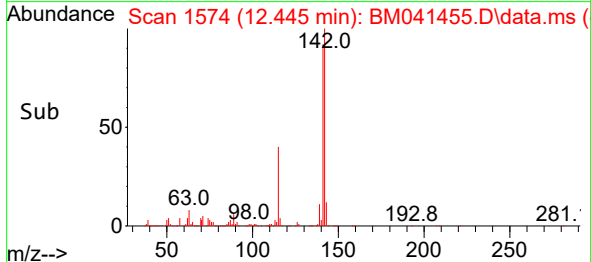
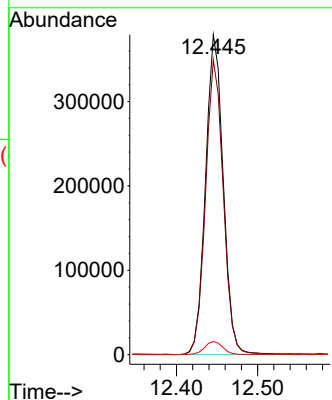
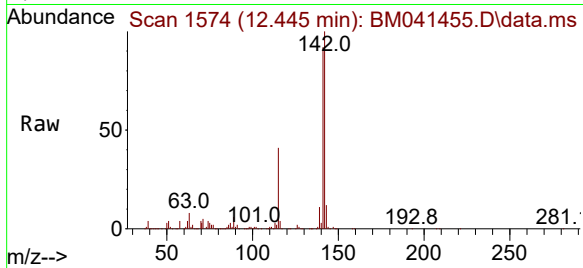




#38
1-Methylnaphthalene
Concen: 25.890 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

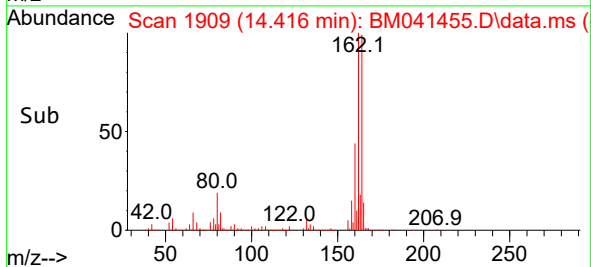
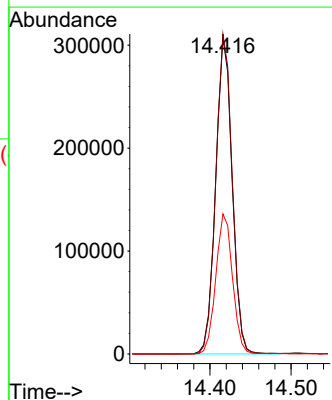
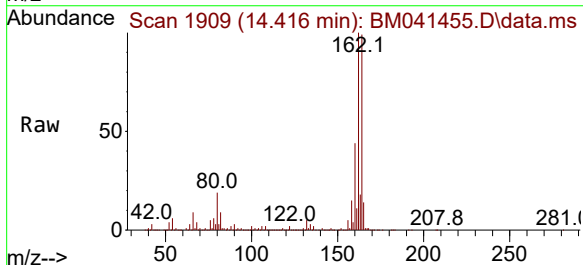
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

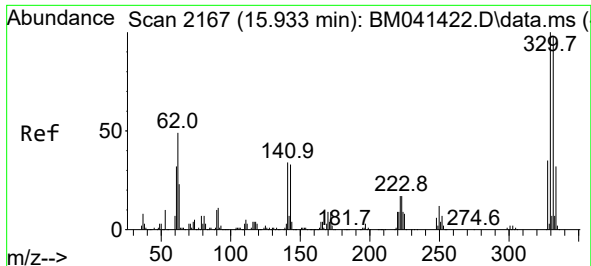
Tgt Ion:142 Resp: 572720
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9
116 4.1 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion:164 Resp: 434297
Ion Ratio Lower Upper
164 100
162 101.1 80.4 120.6
160 44.2 35.9 53.9

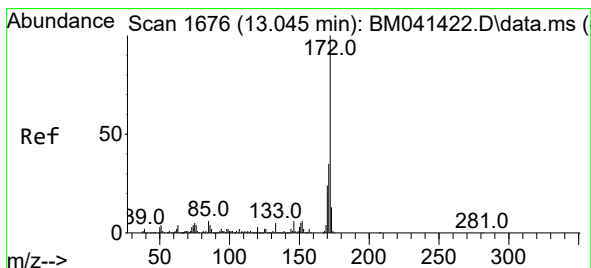
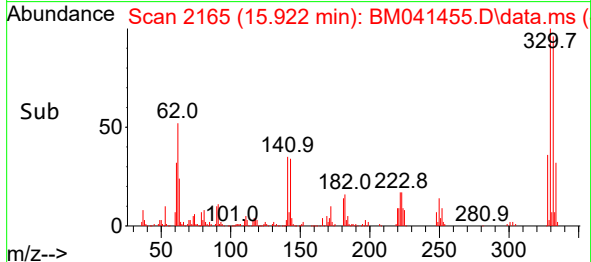
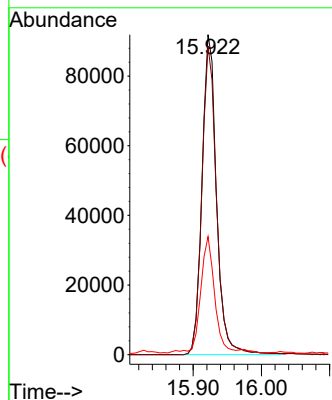
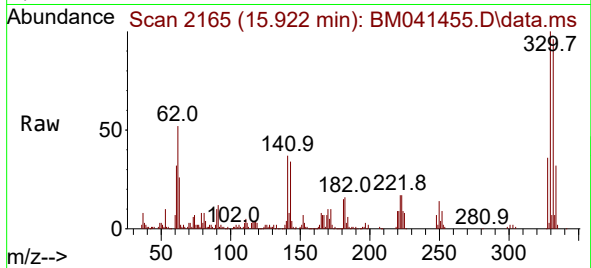




#42
2,4,6-Tribromophenol
Concen: 19.765 ng
RT: 15.922 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

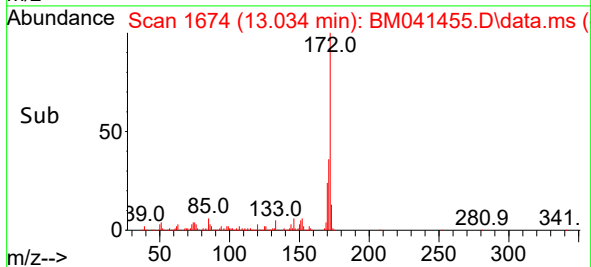
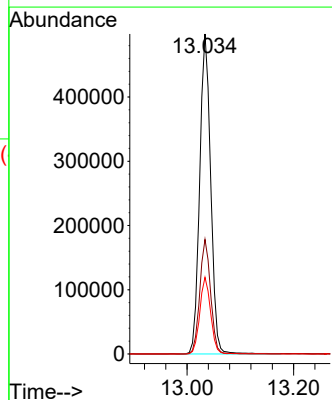
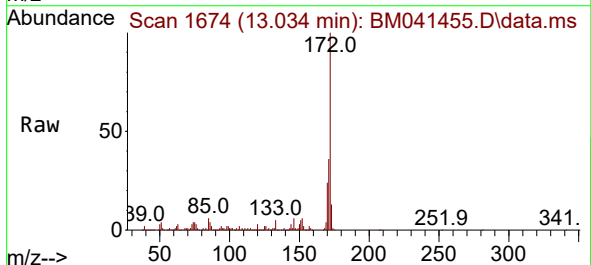
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

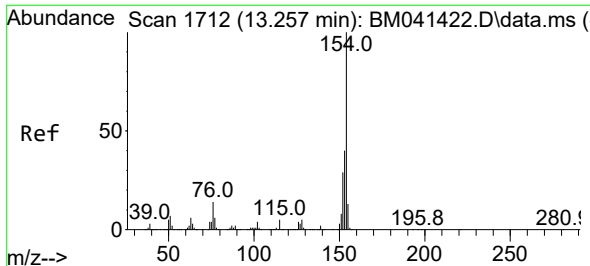
Tgt Ion:330 Resp: 136223
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 34.8 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 22.052 ng
RT: 13.034 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion:172 Resp: 714684
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.9 19.0 28.6

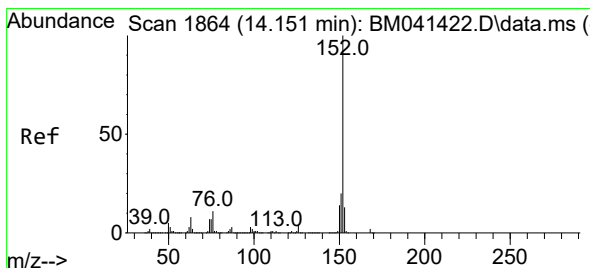
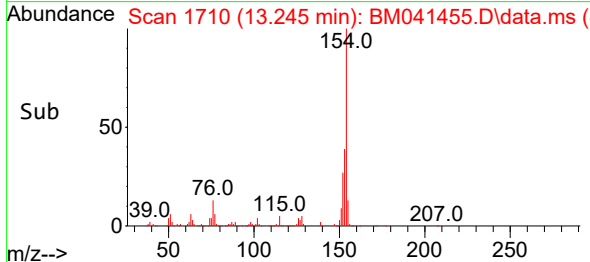
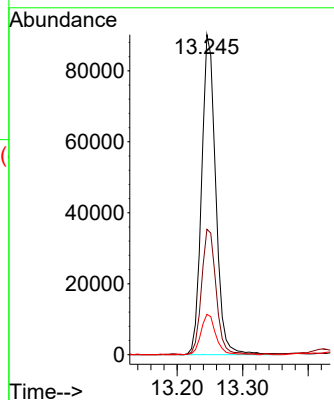
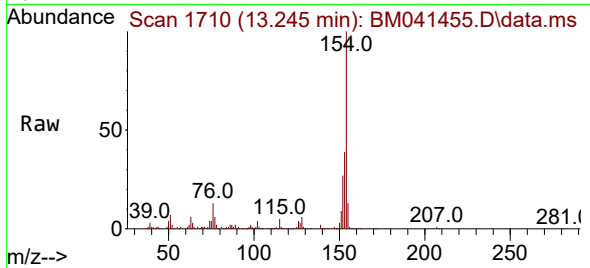




#46
1,1'-Biphenyl
Concen: 4.134 ng
RT: 13.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

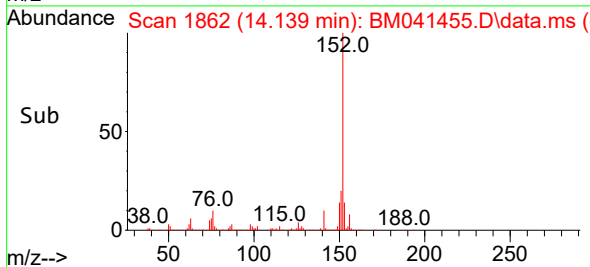
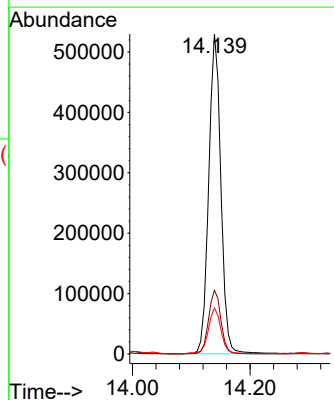
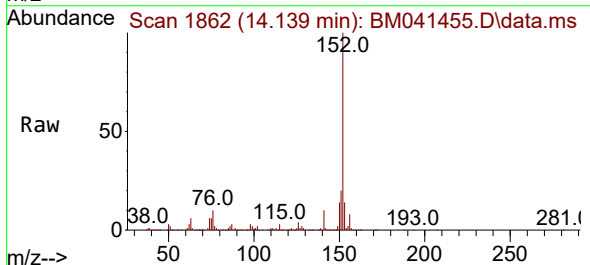
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

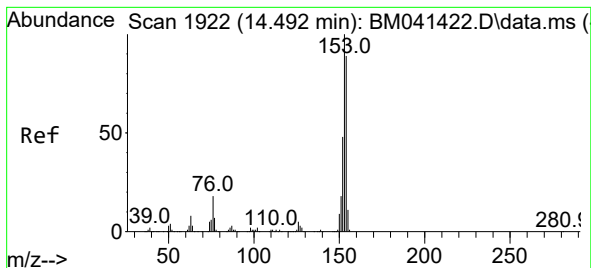
Tgt Ion:154 Resp: 135491
Ion Ratio Lower Upper
154 100
153 39.2 20.4 60.4
76 12.6 0.0 33.6



#49
Acenaphthylene
Concen: 18.588 ng
RT: 14.139 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion:152 Resp: 758799
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 14.4 10.2 15.2





#52

Acenaphthene

Concen: 3.595 ng

RT: 14.481 min Scan# 1922

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

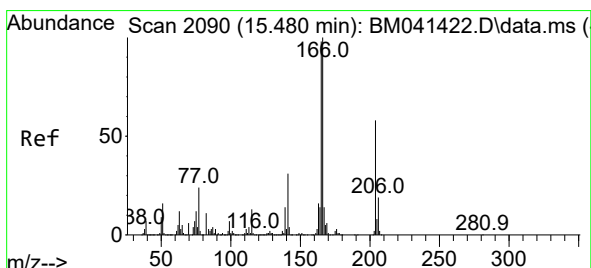
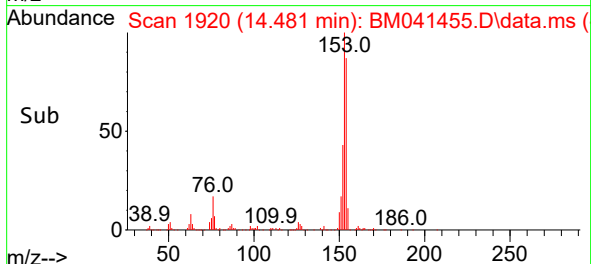
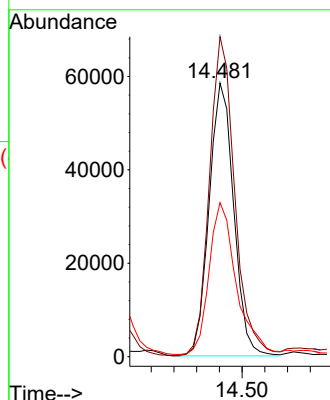
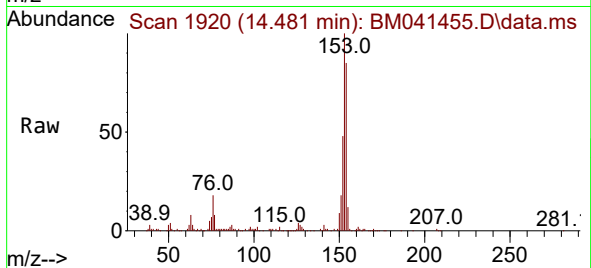
Tgt Ion:154 Resp: 87774

Ion Ratio Lower Upper

154 100

153 117.0 90.4 135.6

152 56.3 43.1 64.7



#58

Fluorene

Concen: 10.104 ng

RT: 15.469 min Scan# 2088

Delta R.T. -0.006 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

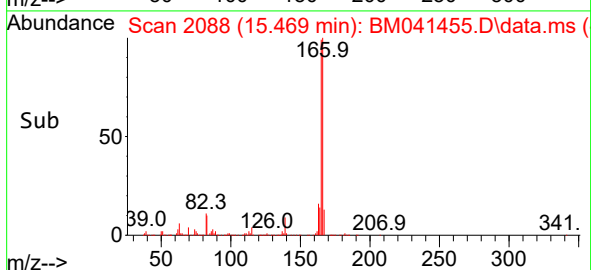
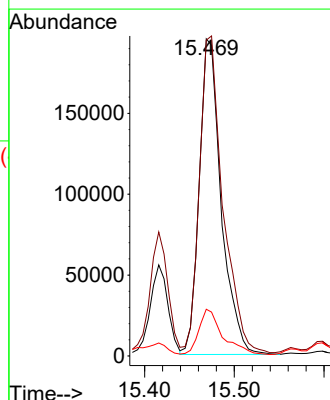
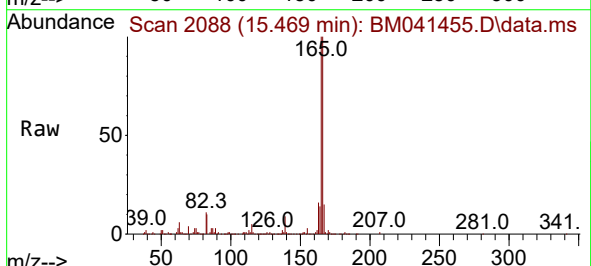
Tgt Ion:166 Resp: 331532

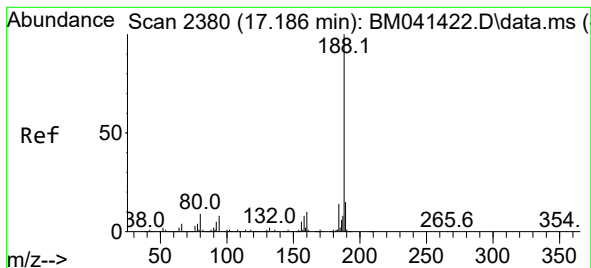
Ion Ratio Lower Upper

166 100

165 99.6 78.2 117.4

167 14.7 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: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

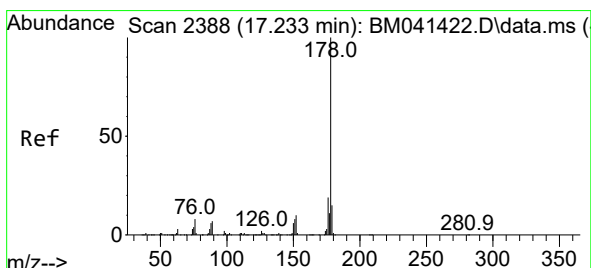
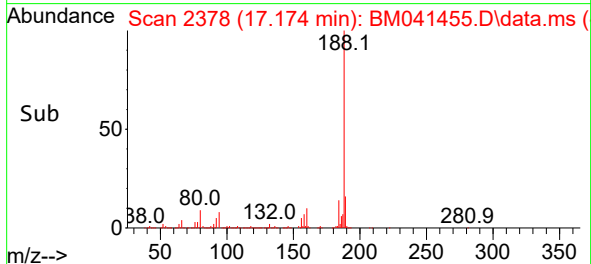
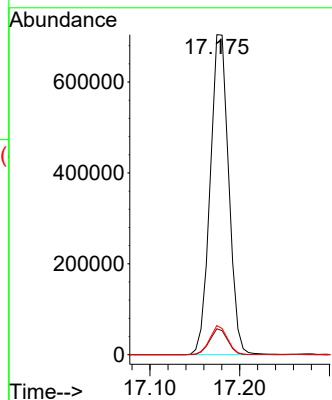
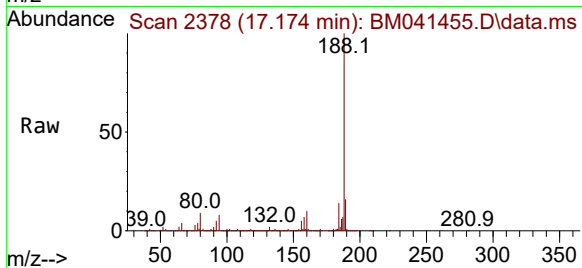
Tgt Ion:188 Resp: 1011866

Ion Ratio Lower Upper

188 100

94 8.1 6.6 9.8

80 9.1 7.5 11.3



#71

Phenanthrene

Concen: 38.822 ng

RT: 17.222 min Scan# 2386

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

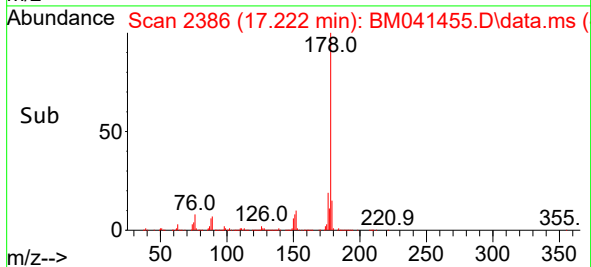
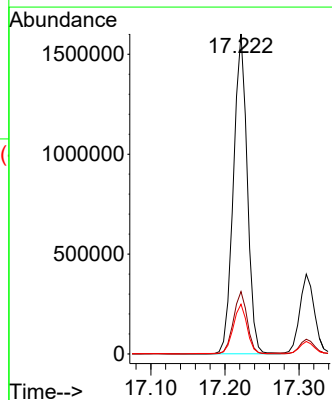
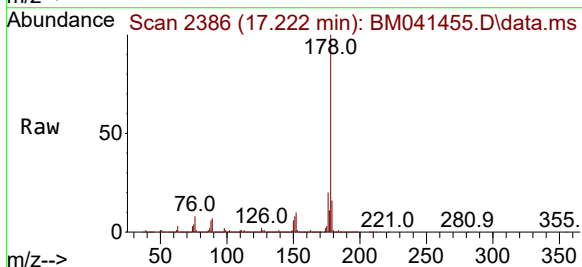
Tgt Ion:178 Resp: 2073575

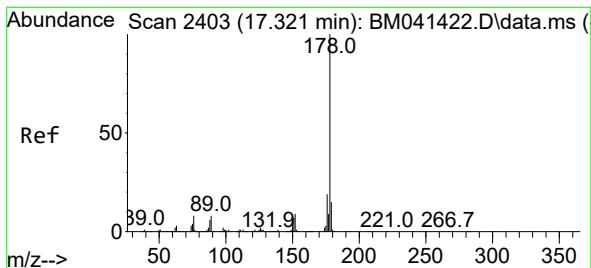
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.5 12.2 18.4





#72

Anthracene

Concen: 9.865 ng

RT: 17.310 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

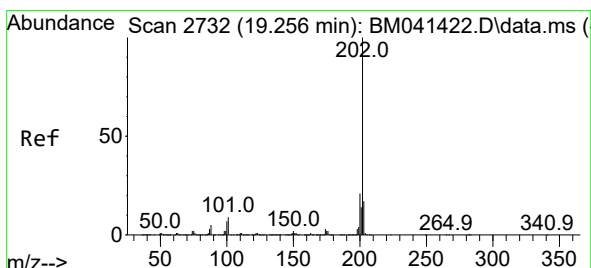
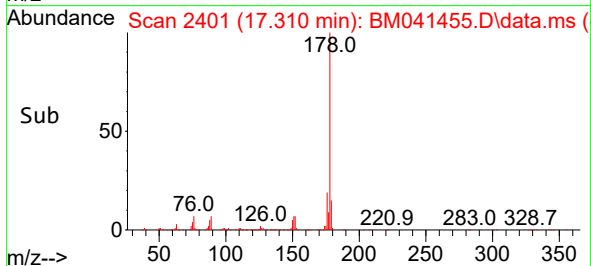
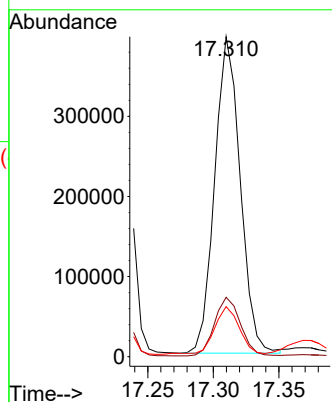
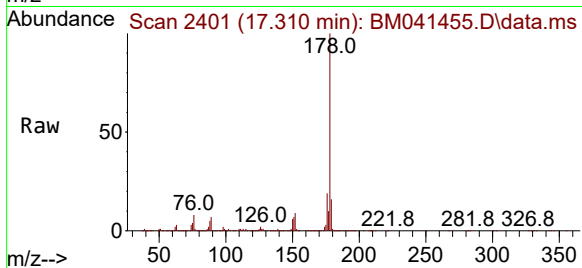
Tgt Ion:178 Resp: 534304

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.6 12.2 18.2



#75

Fluoranthene

Concen: 12.290 ng

RT: 19.245 min Scan# 2730

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

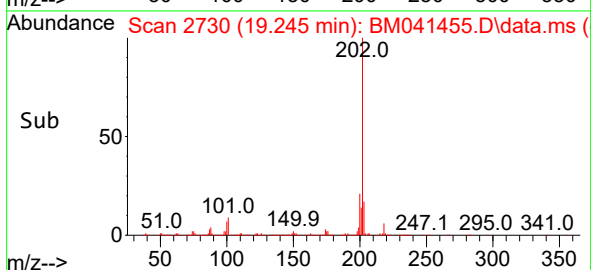
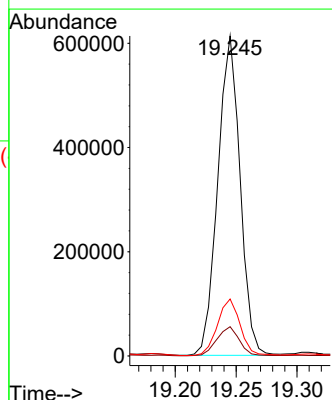
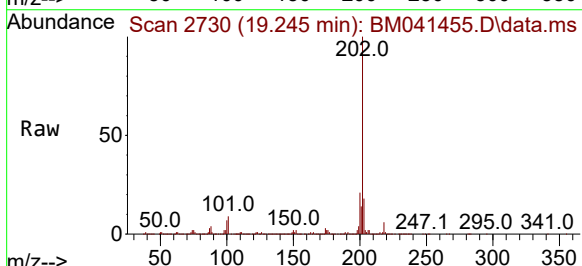
Tgt Ion:202 Resp: 781514

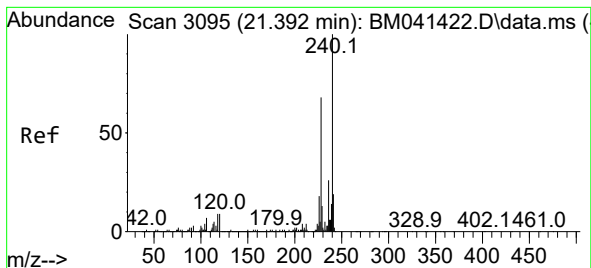
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.1

203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

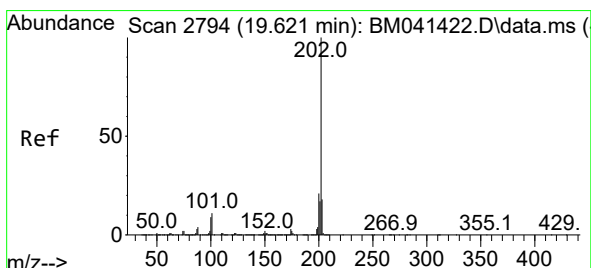
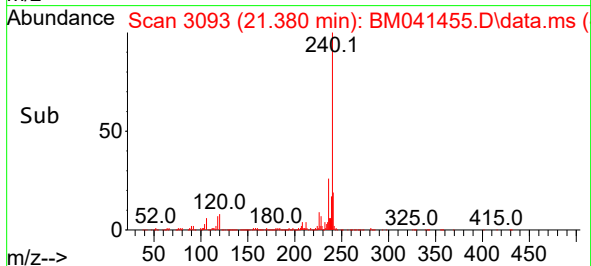
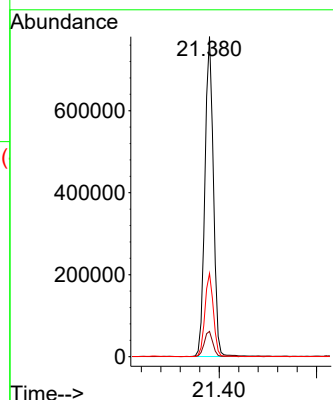
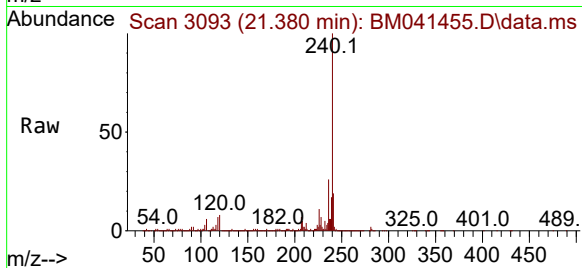
Tgt Ion:240 Resp: 943005

Ion Ratio Lower Upper

240 100

120 7.9 7.4 11.2

236 26.0 20.8 31.2



#78

Pyrene

Concen: 17.858 ng

RT: 19.610 min Scan# 2792

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

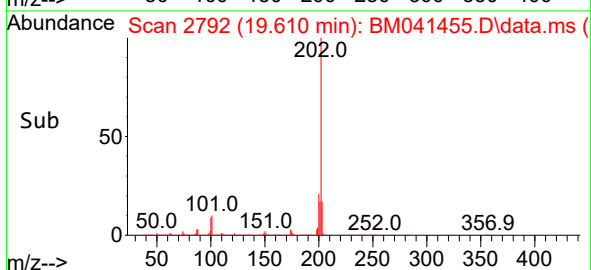
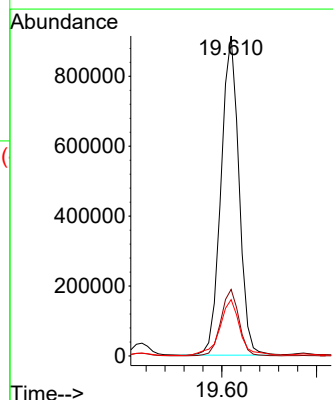
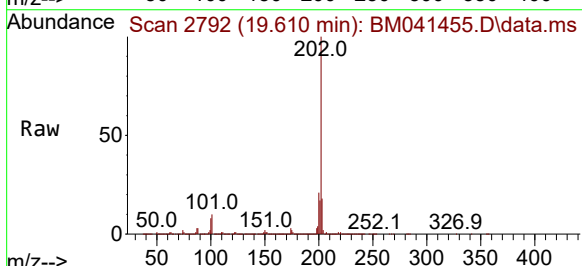
Tgt Ion:202 Resp: 1204389

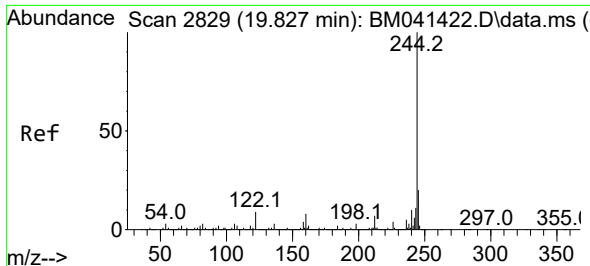
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.6 14.1 21.1

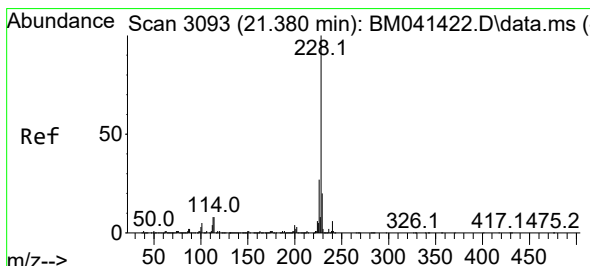
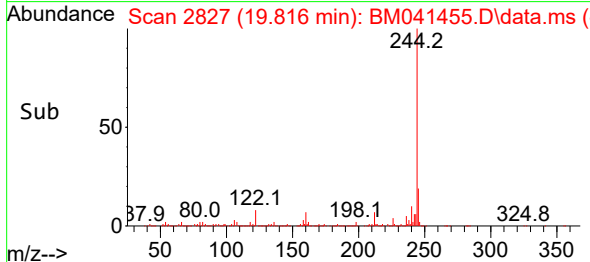
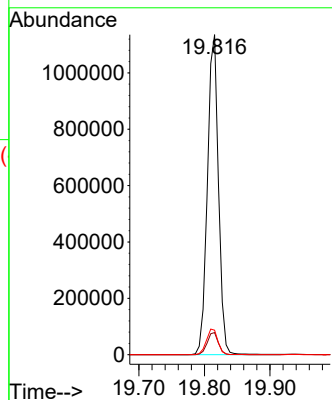
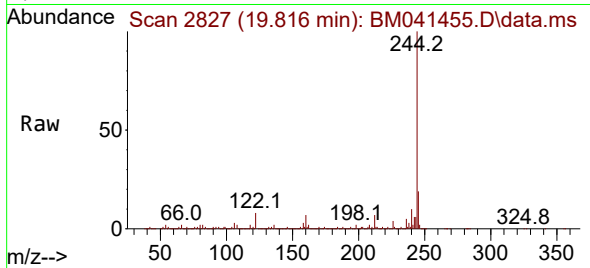




#79
 Terphenyl-d14
 Concen: 24.579 ng
 RT: 19.816 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM041455.D
 Acq: 21 Aug 2023 19:28

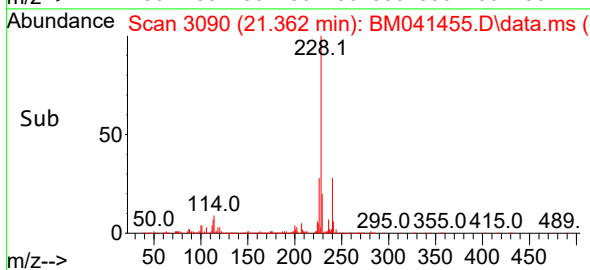
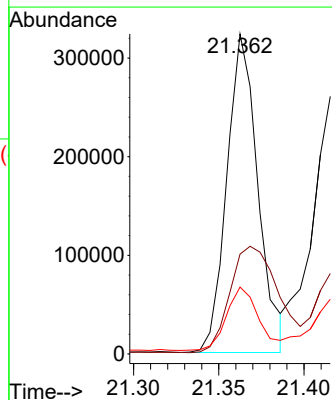
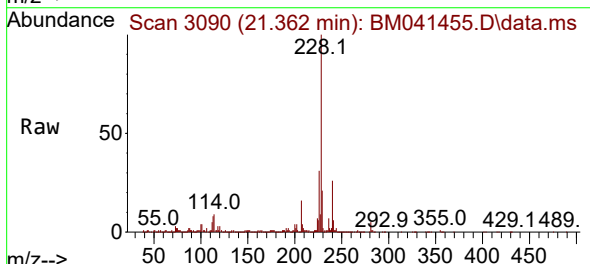
Instrument :
 BNA_M
 ClientSampleId :
 NEVINS-SB05-Z113-114DL

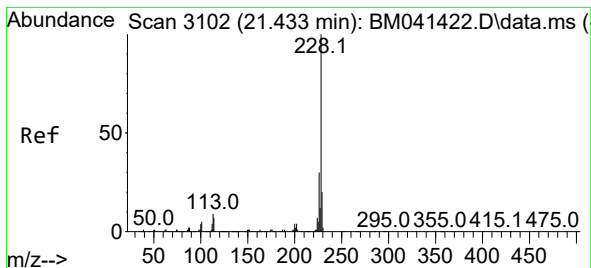
Tgt Ion:244 Resp: 1331963
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 7.7 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 6.359 ng
 RT: 21.362 min Scan# 3090
 Delta R.T. -0.006 min
 Lab File: BM041455.D
 Acq: 21 Aug 2023 19:28

Tgt Ion:228 Resp: 409467
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.6 32.4
 229 20.9 15.8 23.6





#83

Chrysene

Concen: 5.698 ng

RT: 21.415 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

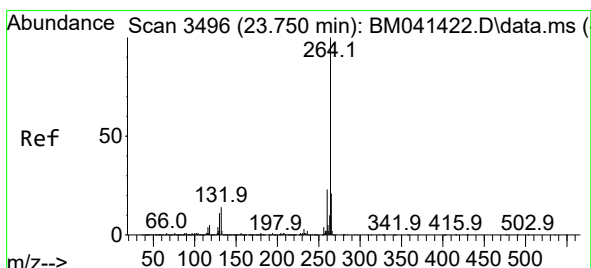
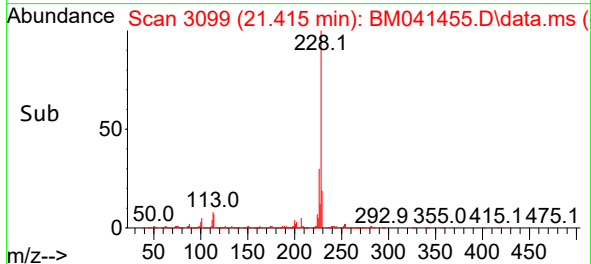
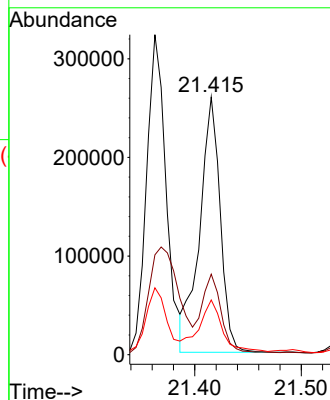
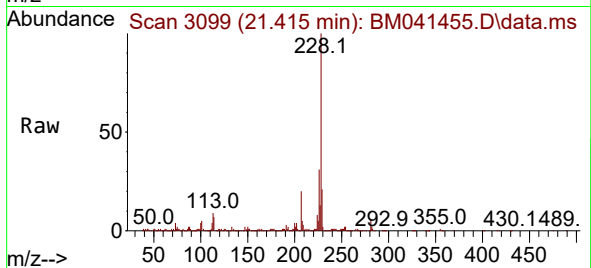
Tgt Ion:228 Resp: 348809

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.4

229 21.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3490

Delta R.T. -0.011 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

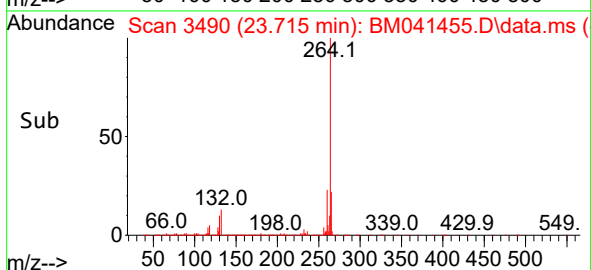
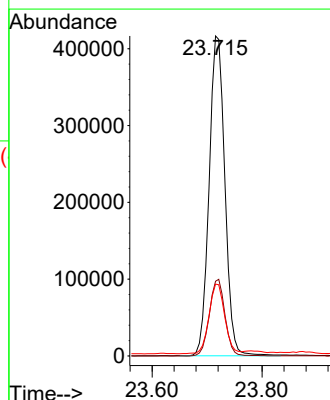
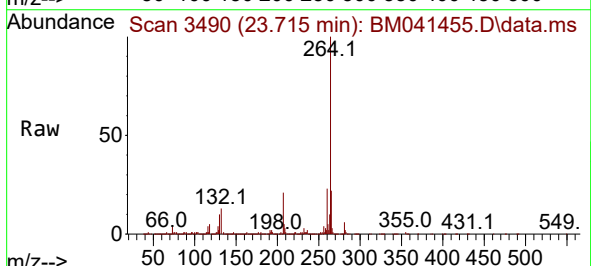
Tgt Ion:264 Resp: 829002

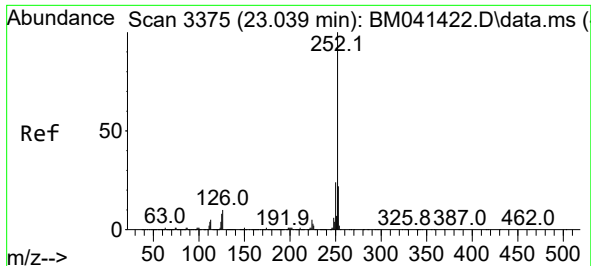
Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.5 17.5 26.3

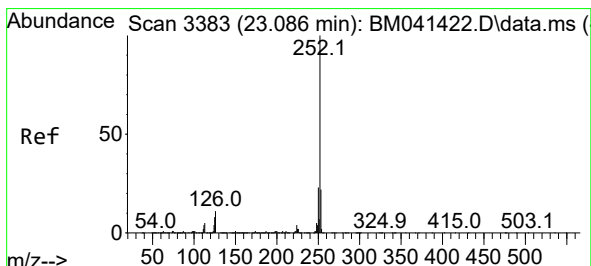
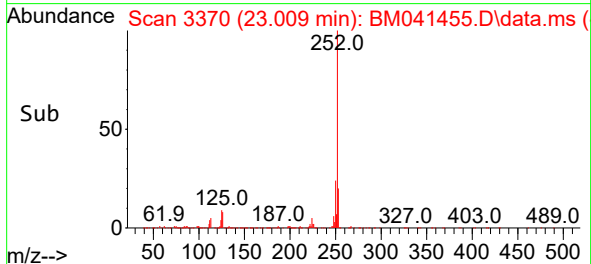
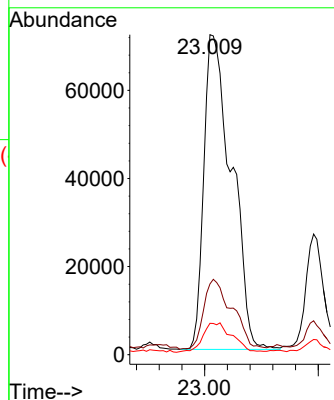
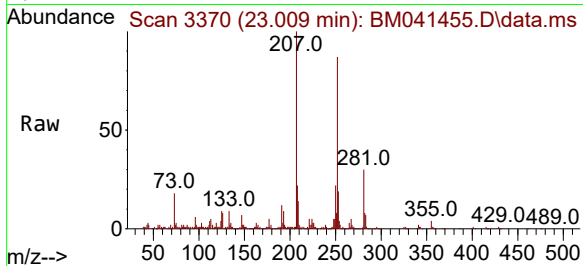




#88
Benzo(b)fluoranthene
Concen: 4.896 ng
RT: 23.009 min Scan# 3375
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

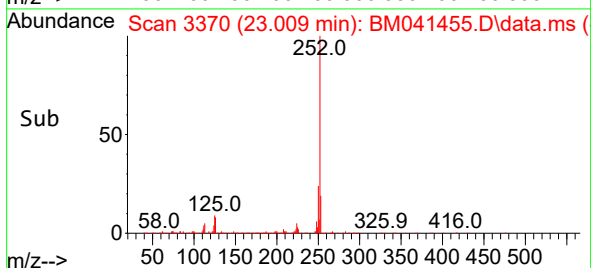
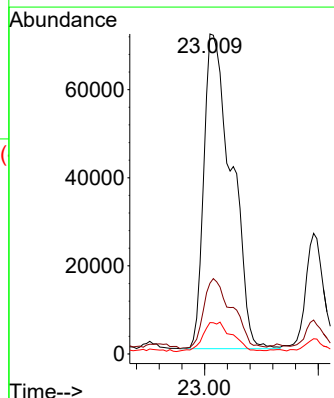
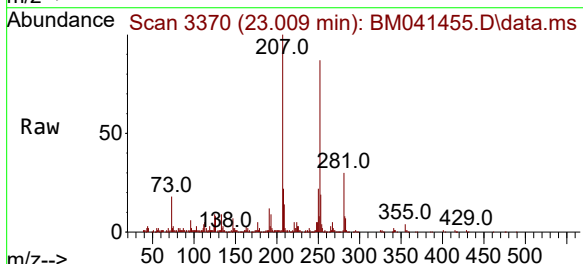
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL

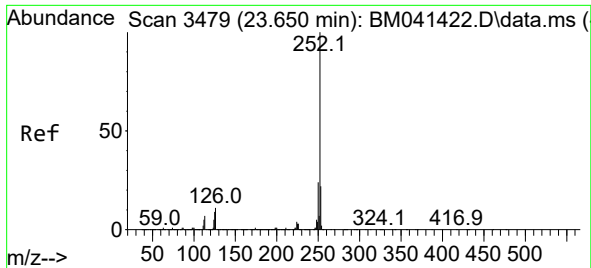
Tgt Ion:252 Resp: 241904
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.8 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 4.845 ng
RT: 23.009 min Scan# 3370
Delta R.T. -0.058 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

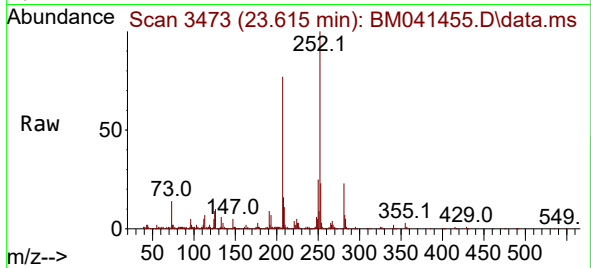
Tgt Ion:252 Resp: 241904
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.8 6.5 9.7#





#90
Benzo(a)pyrene
Concen: 4.532 ng
RT: 23.615 min Scan# 34
Delta R.T. -0.011 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL



Tgt Ion:252	Resp:	213212
Ion	Ratio	Lower Upper
252	100	
253	22.6	17.5 26.3
125	8.9	7.2 10.8

