

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035232.D
 Acq On : 24 May 2022 22:57
 Operator : CG/JU
 Sample : N2981-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-11(2-2.5)

Quant Time: May 25 05:45:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

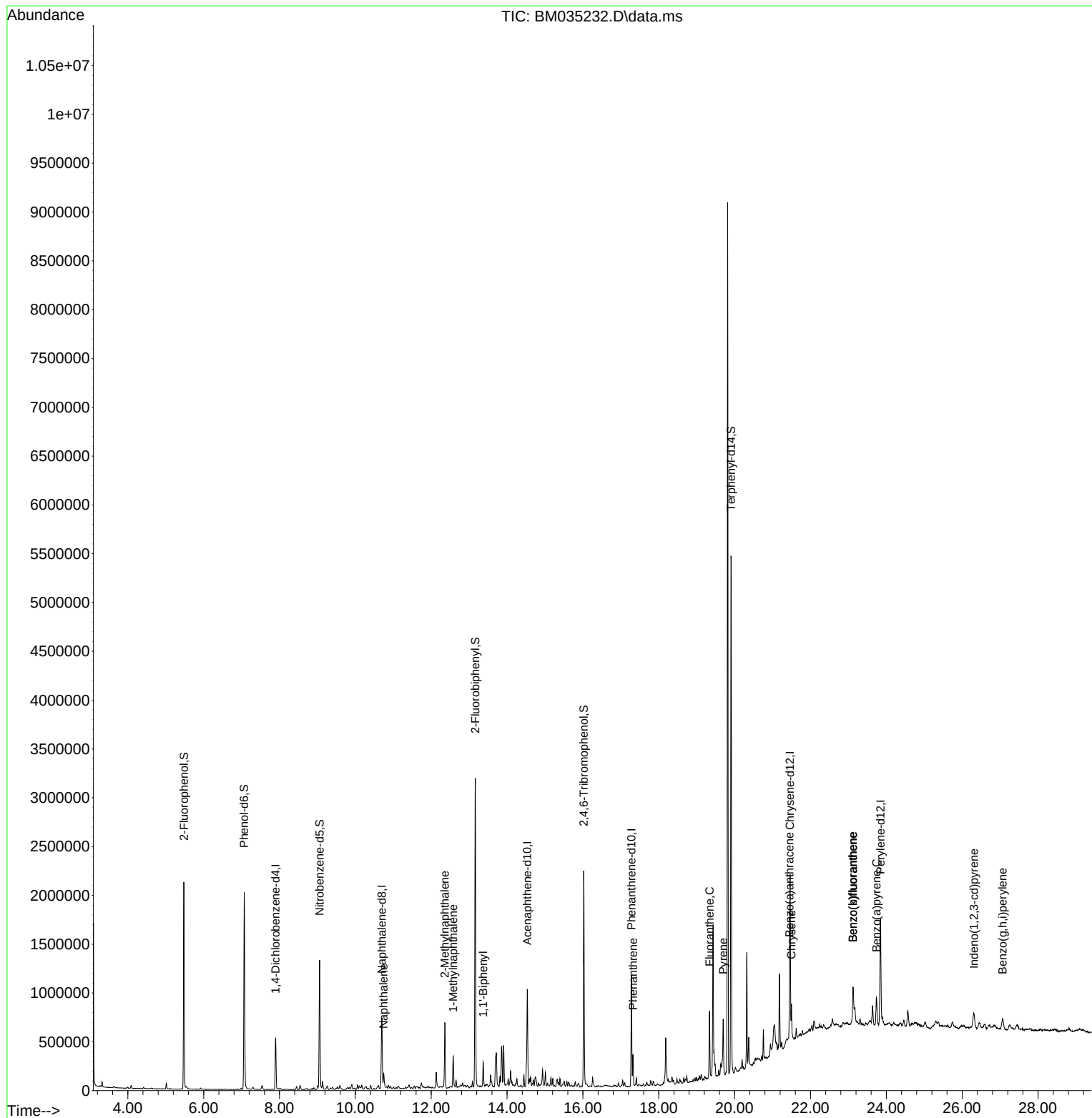
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	145976	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	554125	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	330008	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	681157	20.000	ng	0.00
76) Chrysene-d12	21.462	240	724251	20.000	ng	#-0.01
86) Perylene-d12	23.844	264	789276	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	881095	106.486	ng	0.00
7) Phenol-d6	7.069	99	1107484	103.682	ng	0.00
23) Nitrobenzene-d5	9.057	82	733861	71.518	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	408642	113.833	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1642094	72.234	ng	0.00
79) Terphenyl-d14	19.903	244	2451749	65.545	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.745	128	109491	3.830	ng	99
37) 2-Methylnaphthalene	12.357	142	321036	16.208	ng	99
38) 1-Methylnaphthalene	12.580	142	150145	7.763	ng	97
46) 1,1'-Biphenyl	13.369	154	51668	2.078	ng	99
71) Phenanthrene	17.321	178	194617	5.127	ng	99
75) Fluoranthene	19.339	202	388860	9.328	ng	98
78) Pyrene	19.698	202	327611	6.840	ng	100
81) Benzo(a)anthracene	21.445	228	222637	4.607	ng	96
83) Chrysene	21.497	228	202309	4.383	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	146875	2.448	ng	# 94
88) Benzo(b)fluoranthene	23.121	252	280078	5.642	ng	97
89) Benzo(k)fluoranthene	23.121	252	280078	5.573	ng	97
90) Benzo(a)pyrene	23.738	252	198758	4.819	ng	97
92) Benzo(g,h,i)perylene	27.068	276	140160	2.898	ng	97

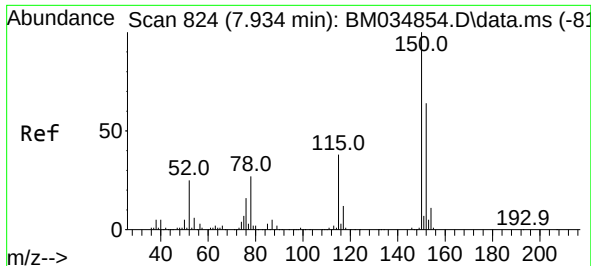
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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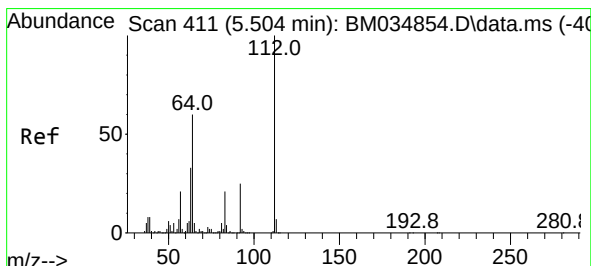
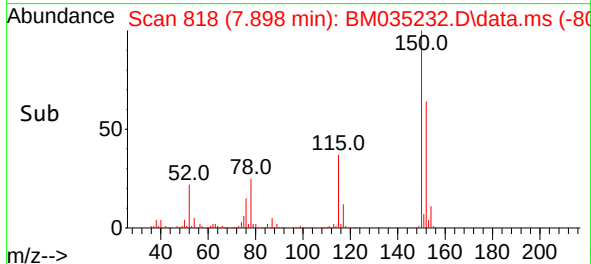
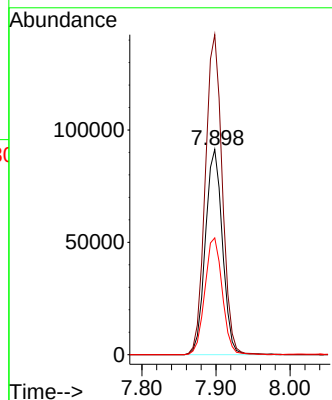
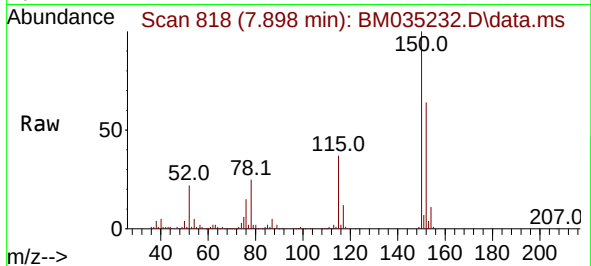




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

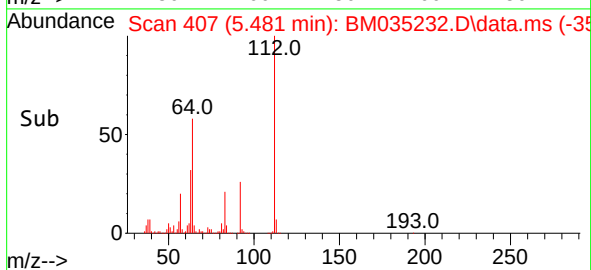
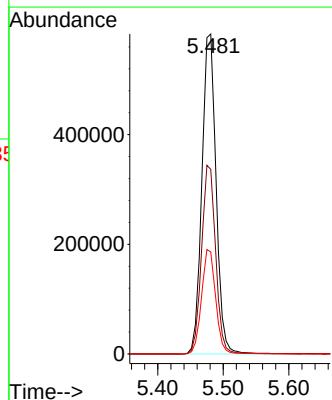
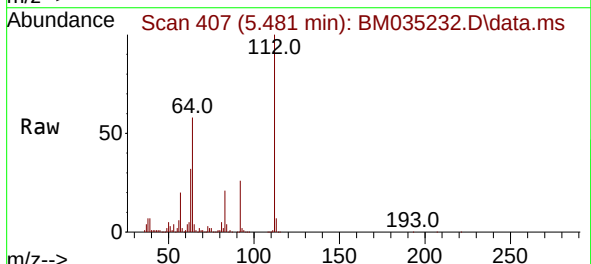
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

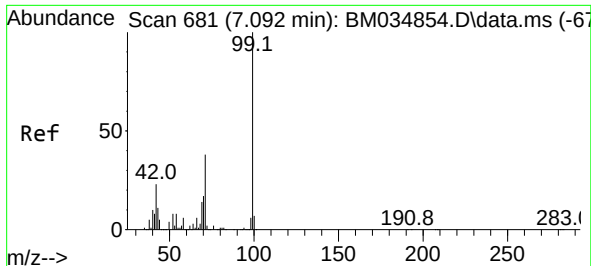
Tgt Ion:152 Resp: 145976
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 56.9 47.9 71.9



#5
2-Fluorophenol
Concen: 106.486 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:112 Resp: 881095
Ion Ratio Lower Upper
112 100
64 57.7 47.8 71.6
63 31.9 26.6 40.0



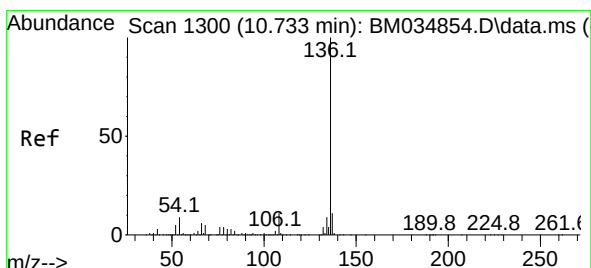
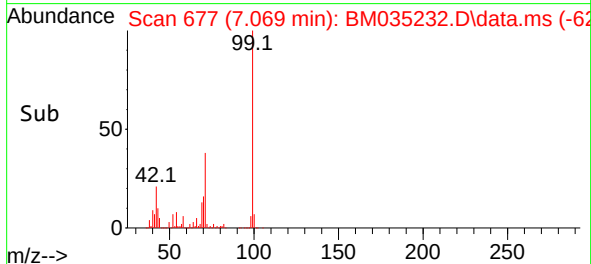
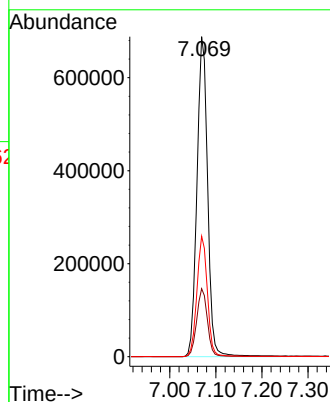
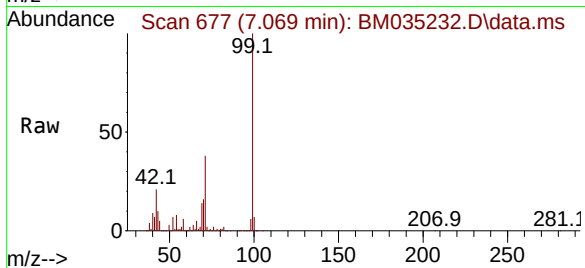


#7
Phenol-d6
Concen: 103.682 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

Tgt Ion: 99 Resp: 1107484

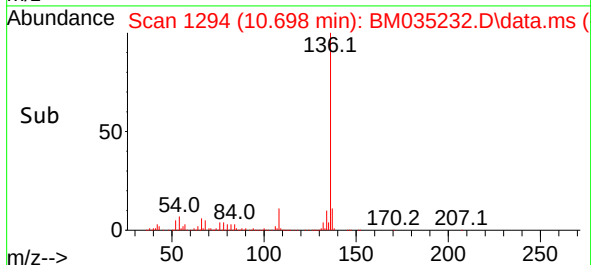
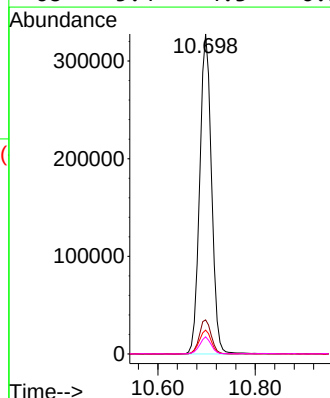
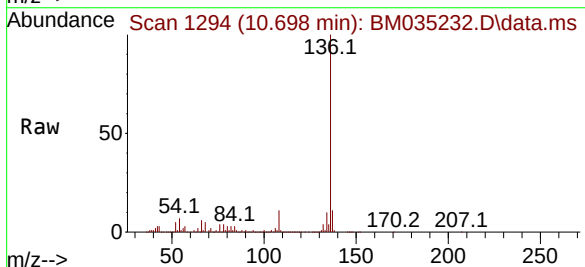
Ion	Ratio	Lower	Upper
99	100		
42	21.2	18.8	28.2
71	37.7	30.2	45.2

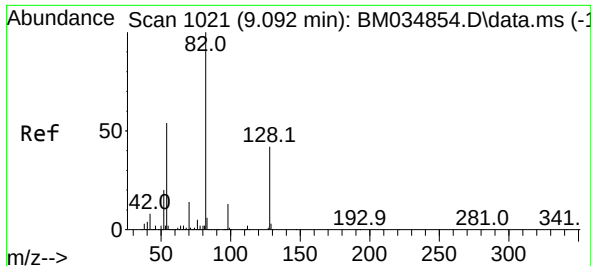


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion: 136 Resp: 554125

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.5	7.0	10.4
68	5.4	4.3	6.5

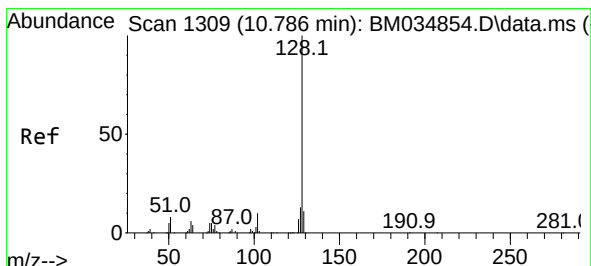
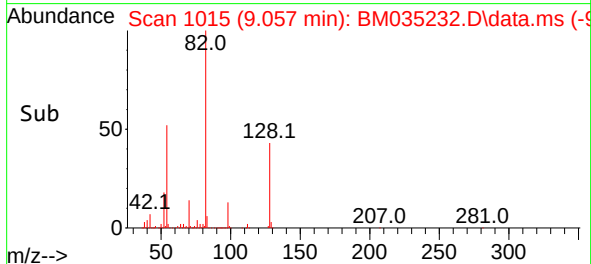
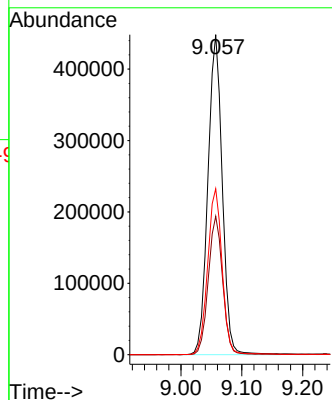
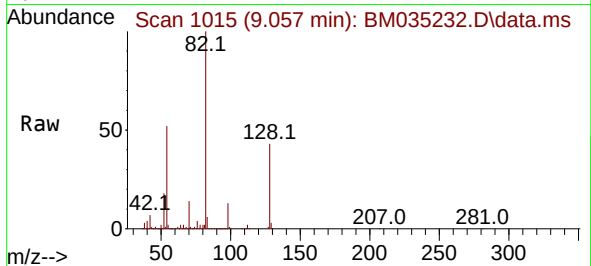




#23
Nitrobenzene-d5
Concen: 71.518 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

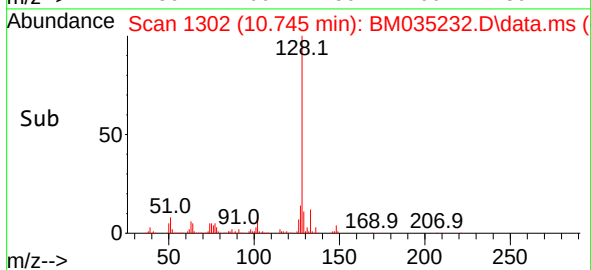
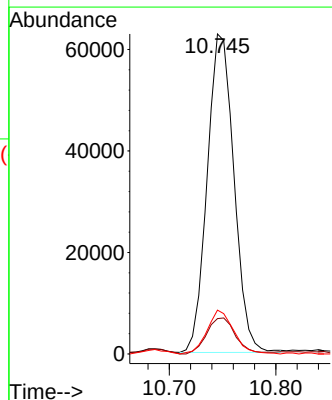
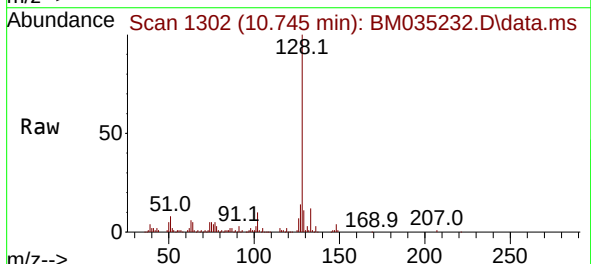
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

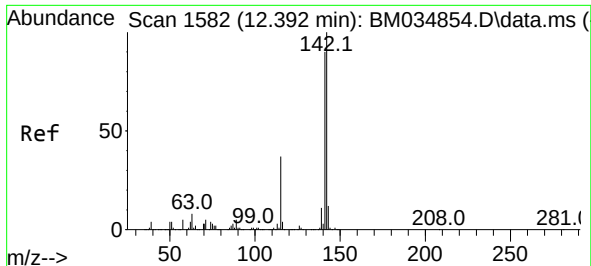
Tgt Ion: 82 Resp: 733861
Ion Ratio Lower Upper
82 100
128 43.3 33.7 50.5
54 51.8 43.2 64.8



#31
Naphthalene
Concen: 3.830 ng
RT: 10.745 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion: 128 Resp: 109491
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.7 10.6 16.0





#37

2-Methylnaphthalene

Concen: 16.208 ng

RT: 12.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

SB-11(2-2.5)

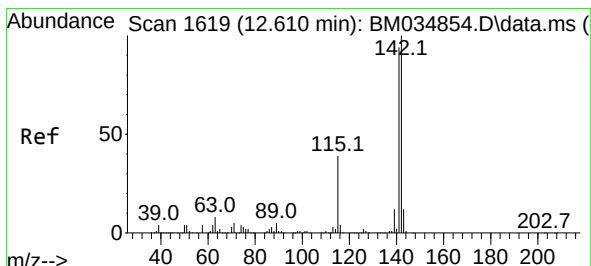
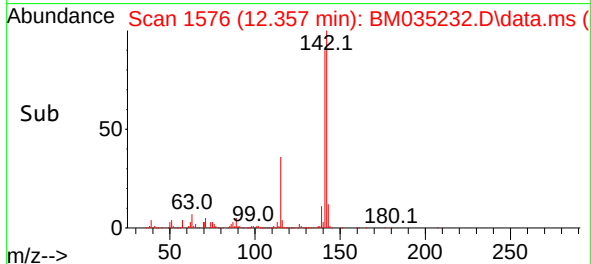
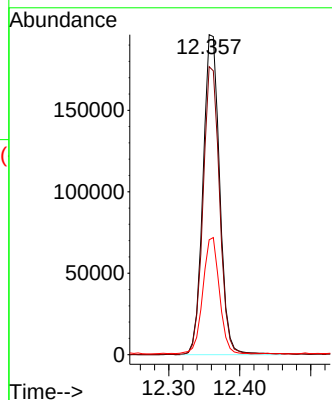
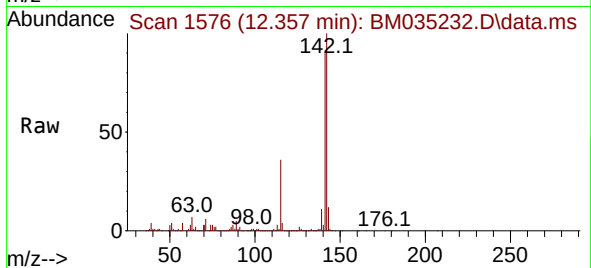
Tgt Ion:142 Resp: 321036

Ion Ratio Lower Upper

142 100

141 90.0 72.4 108.6

115 35.9 29.6 44.4



#38

1-Methylnaphthalene

Concen: 7.763 ng

RT: 12.580 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

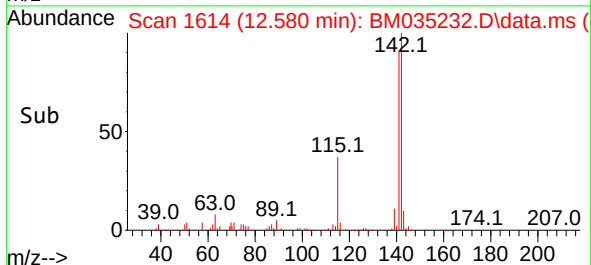
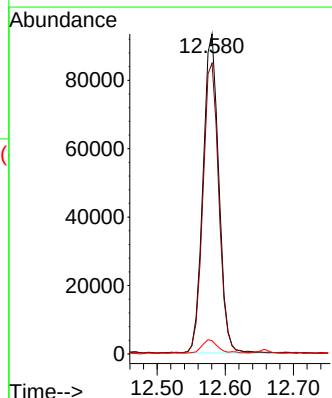
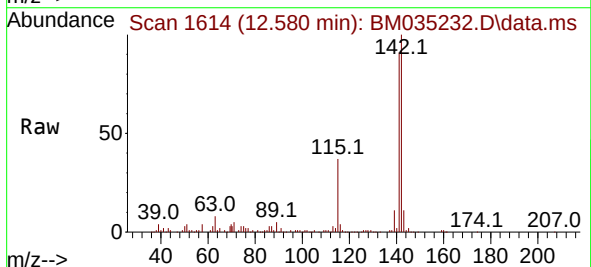
Tgt Ion:142 Resp: 150145

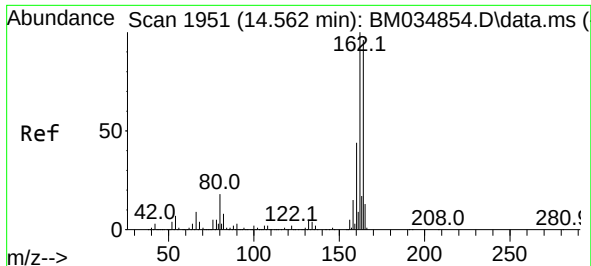
Ion Ratio Lower Upper

142 100

141 90.9 75.0 112.4

116 4.2 3.4 5.2

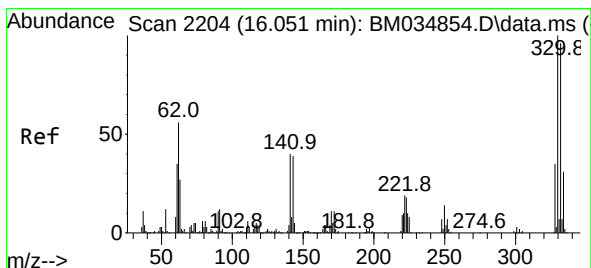
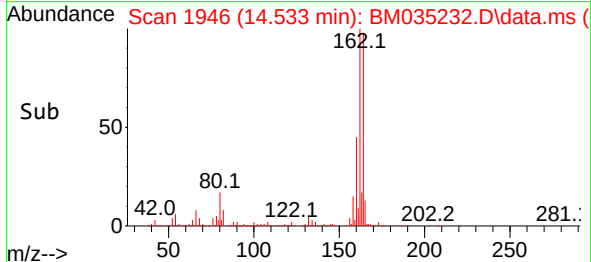
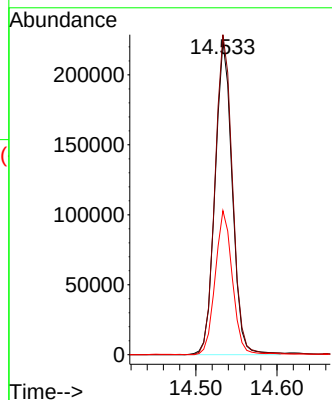
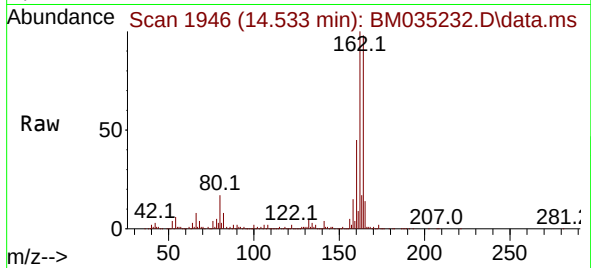




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

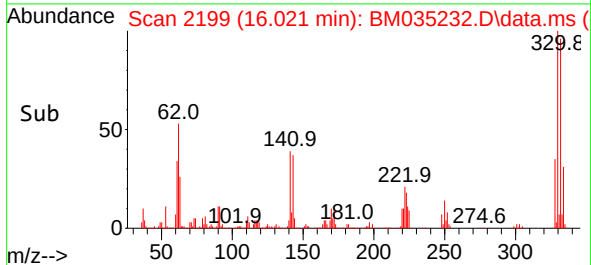
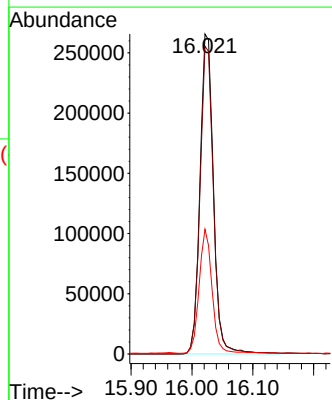
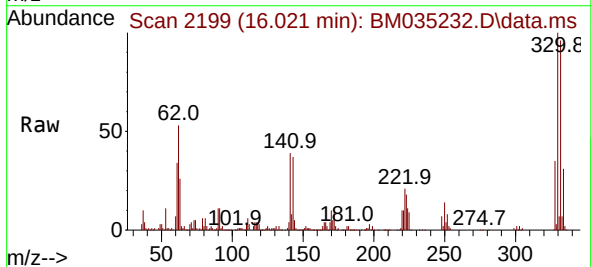
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

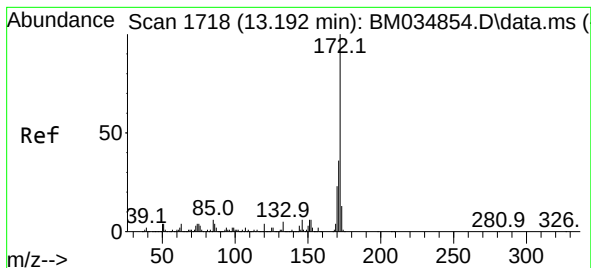
Tgt Ion:164 Resp: 330008
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.6
160 46.0 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 113.833 ng
RT: 16.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:330 Resp: 408642
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 37.2 35.3 52.9





#45

2-Fluorobiphenyl

Concen: 72.234 ng

RT: 13.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

SB-11(2-2.5)

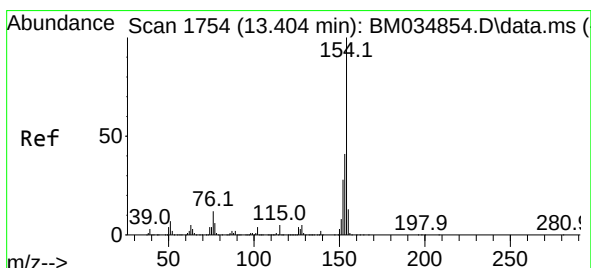
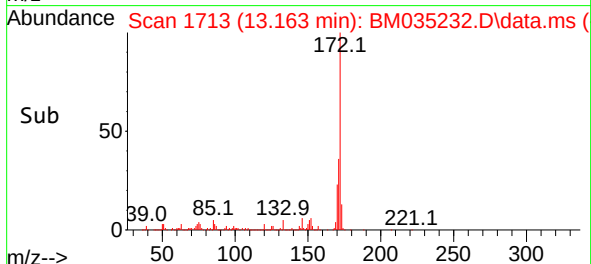
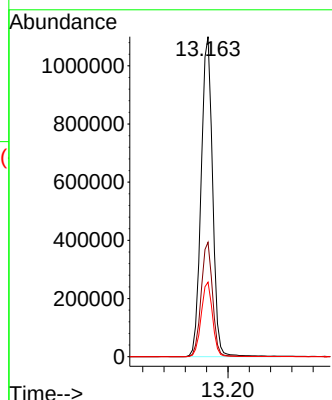
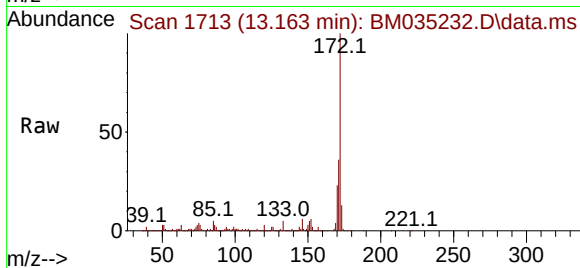
Tgt Ion:172 Resp: 1642094

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.3 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.078 ng

RT: 13.369 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

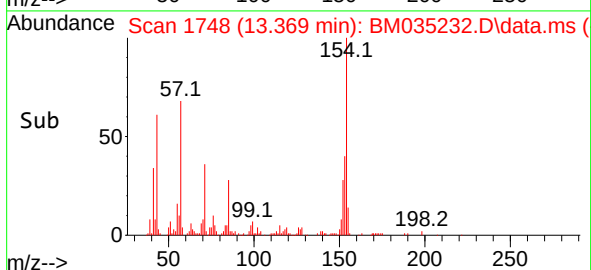
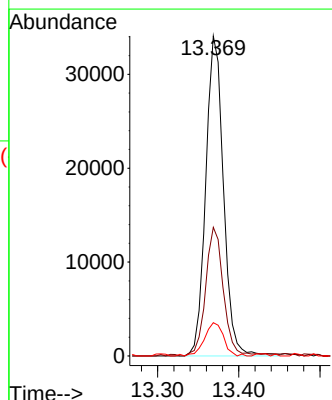
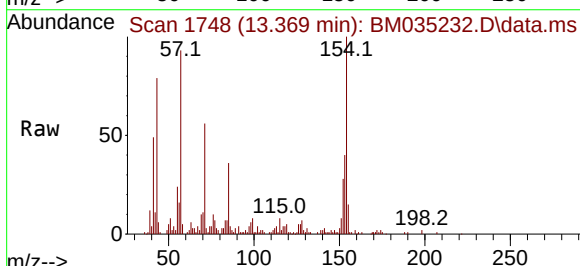
Tgt Ion:154 Resp: 51668

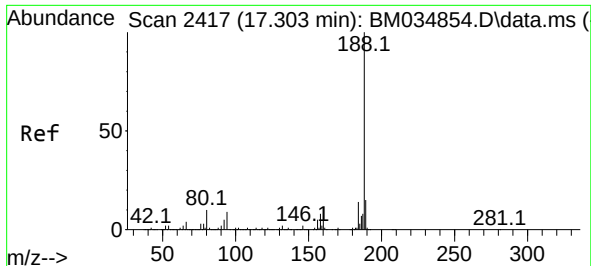
Ion Ratio Lower Upper

154 100

153 40.2 20.5 60.5

76 10.4 0.0 31.8

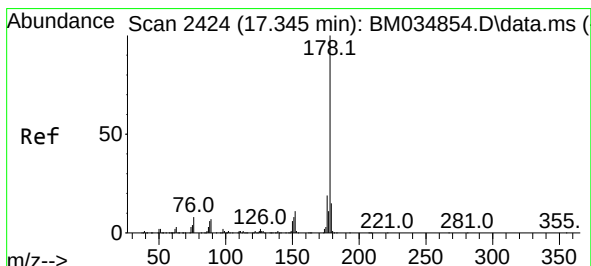
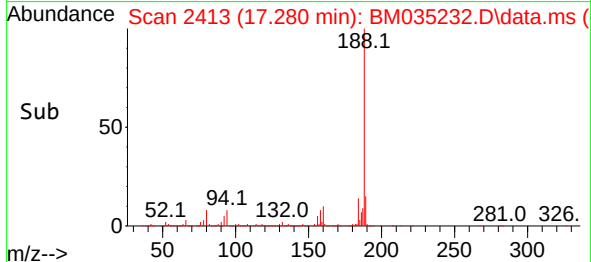
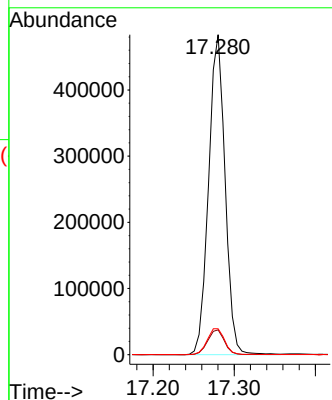
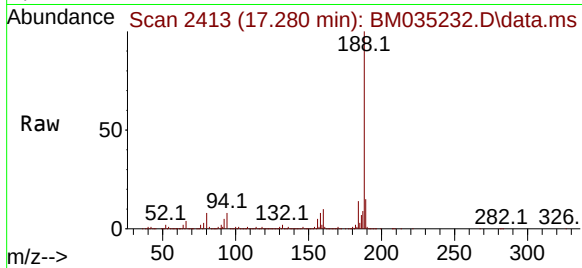




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

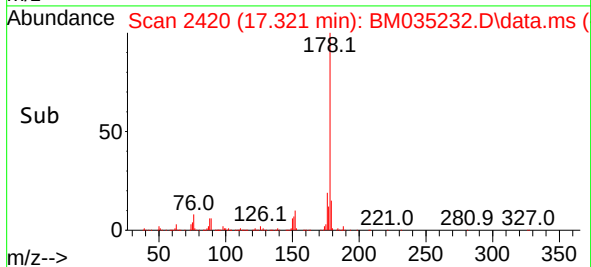
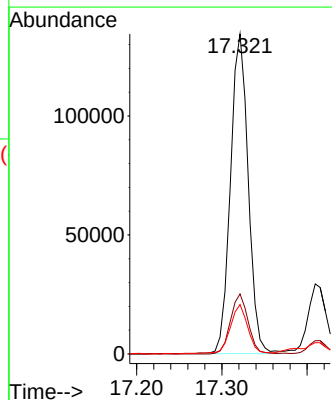
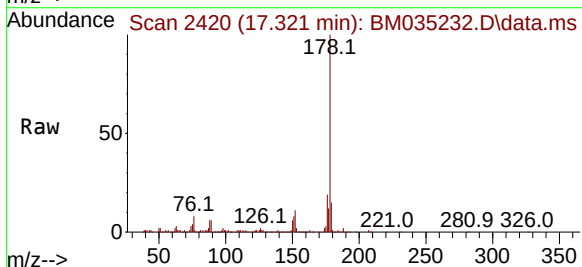
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

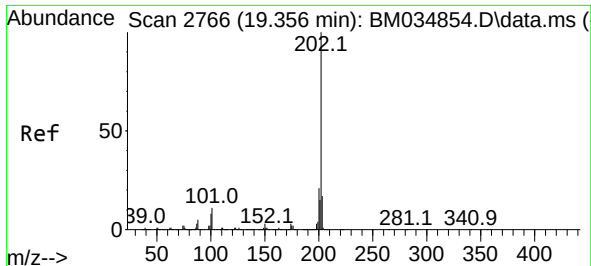
Tgt Ion:188 Resp: 681157
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.1 7.6 11.4



#71
Phenanthrene
Concen: 5.127 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:178 Resp: 194617
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.4 12.4 18.6

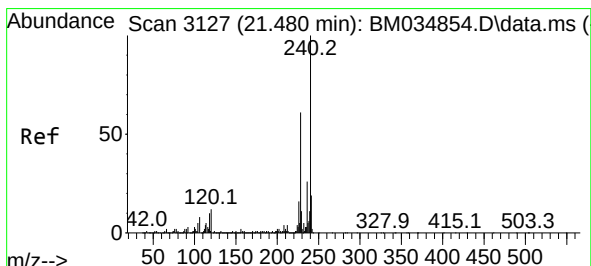
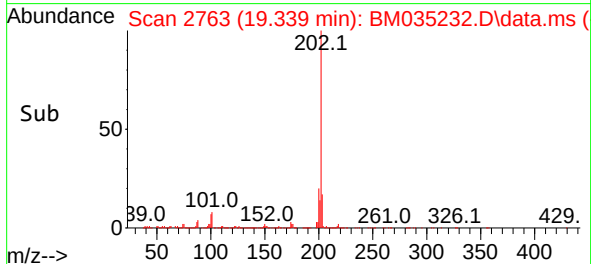
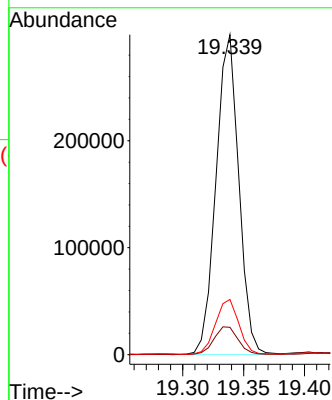
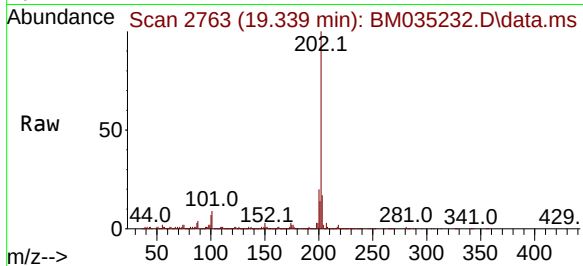




#75
Fluoranthene
Concen: 9.328 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

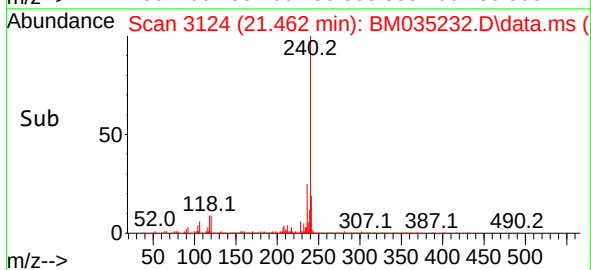
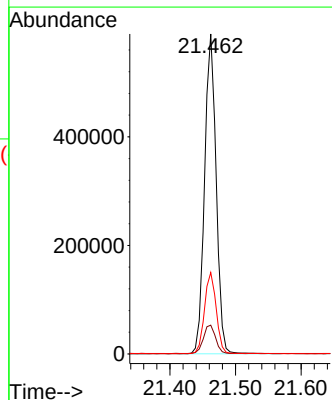
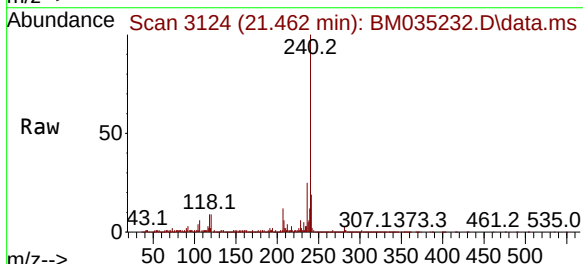
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

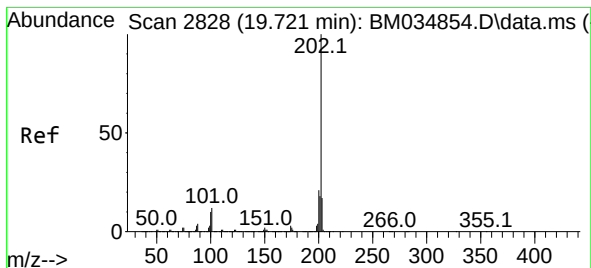
Tgt Ion:202 Resp: 388860
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:240 Resp: 724251
Ion Ratio Lower Upper
240 100
120 9.0 9.4 14.0#
236 25.5 20.6 30.8





#78

Pyrene

Concen: 6.840 ng

RT: 19.698 min Scan# 2824

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

SB-11(2-2.5)

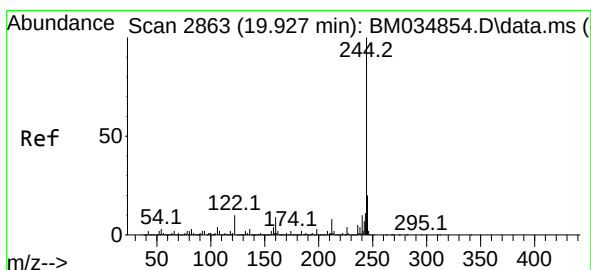
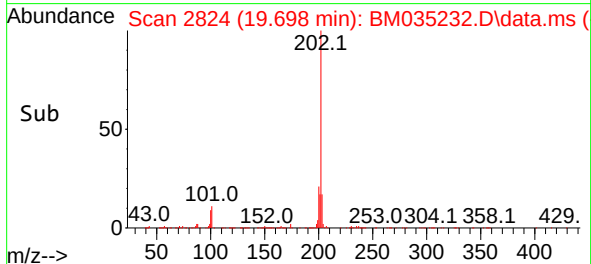
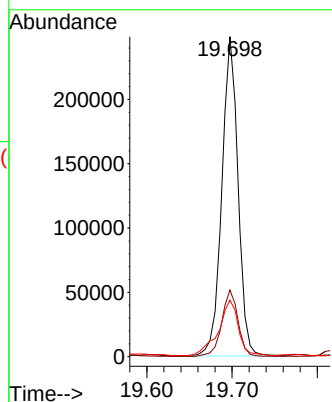
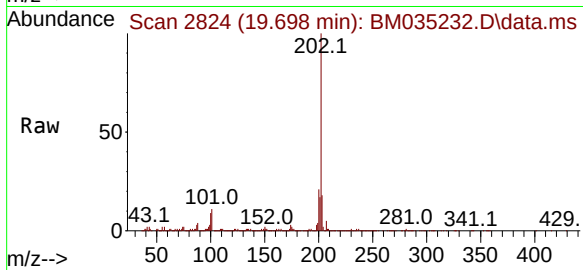
Tgt Ion:202 Resp: 327611

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 65.545 ng

RT: 19.903 min Scan# 2859

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

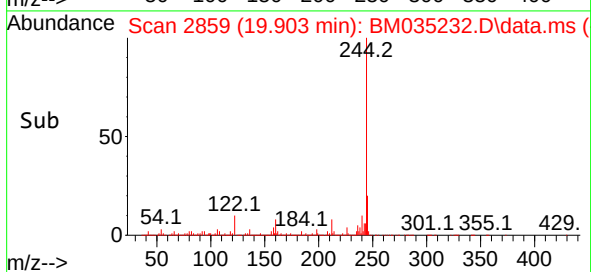
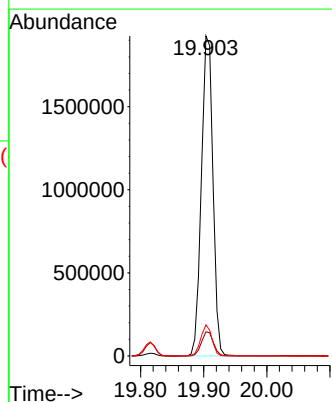
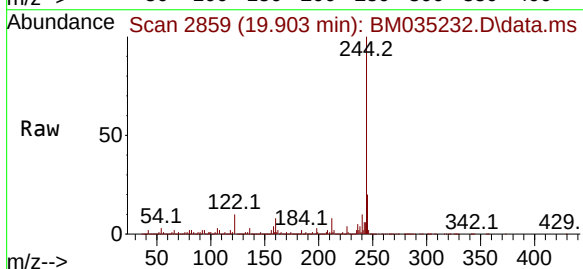
Tgt Ion:244 Resp: 2451749

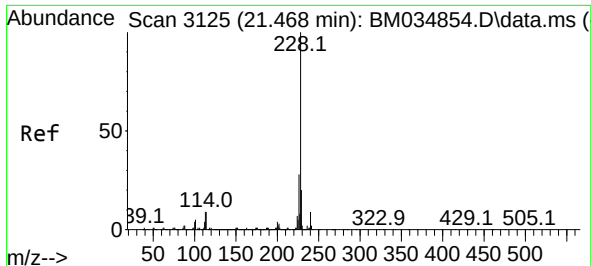
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.7 8.3 12.5

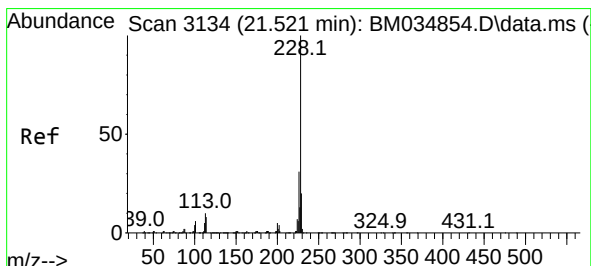
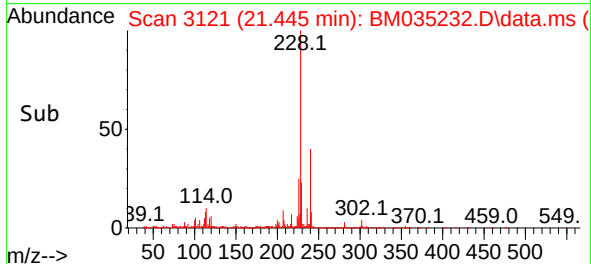
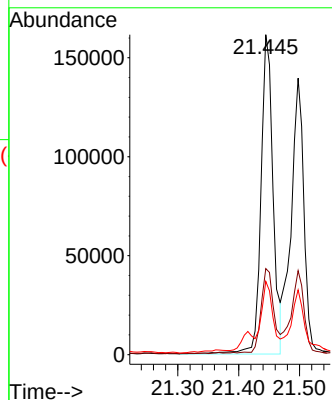
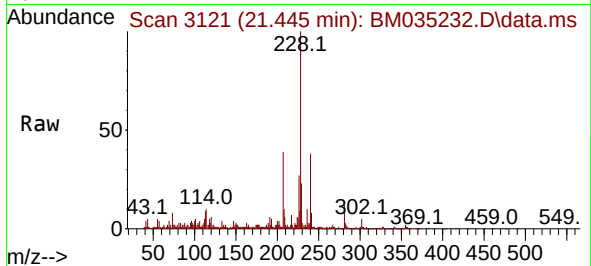




#81
Benzo(a)anthracene
Concen: 4.607 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

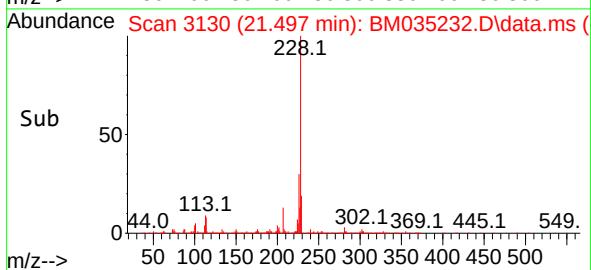
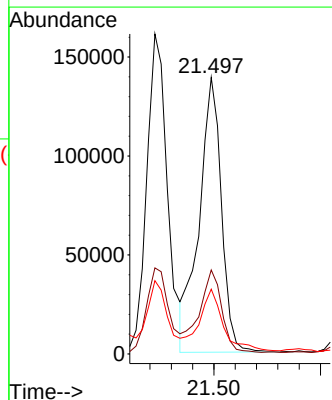
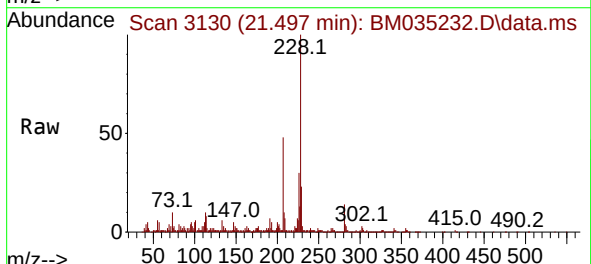
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

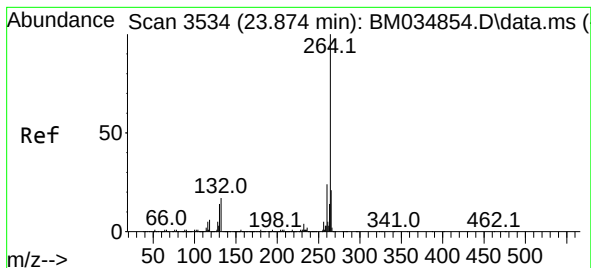
Tgt Ion:228 Resp: 222637
Ion Ratio Lower Upper
228 100
226 26.9 22.3 33.5
229 22.9 15.8 23.6



#83
Chrysene
Concen: 4.383 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:228 Resp: 202309
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 23.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

SB-11(2-2.5)

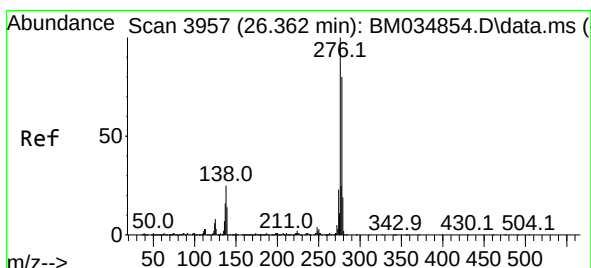
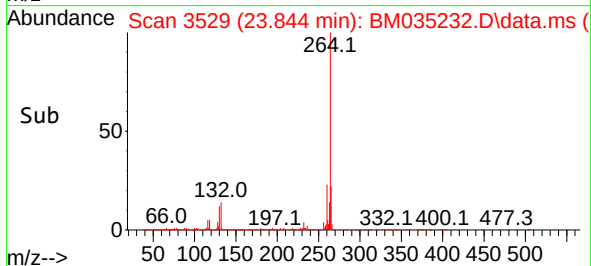
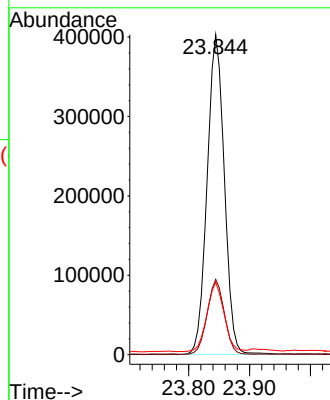
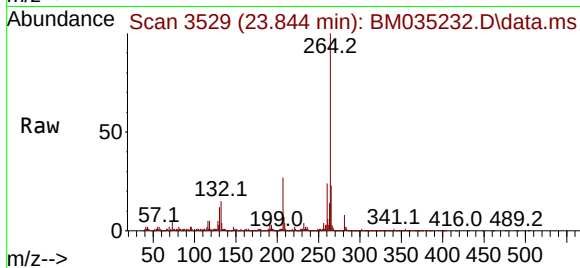
Tgt Ion:264 Resp: 789276

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.6 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.448 ng

RT: 26.309 min Scan# 3948

Delta R.T. -0.024 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

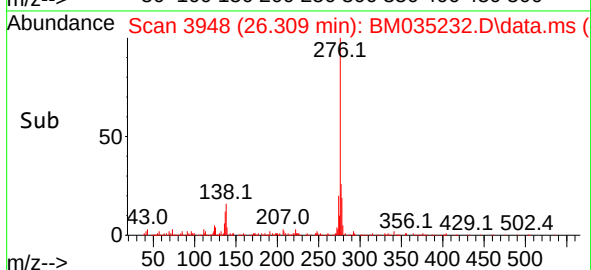
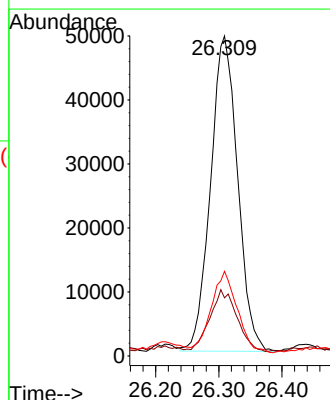
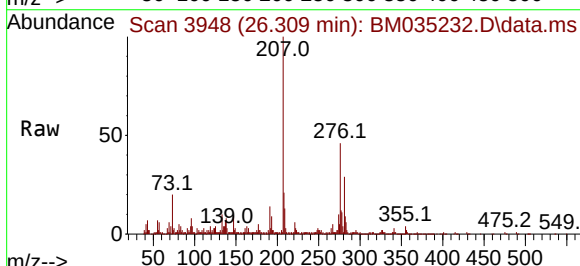
Tgt Ion:276 Resp: 146875

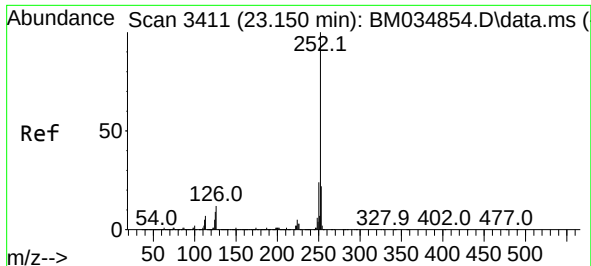
Ion Ratio Lower Upper

276 100

138 19.7 20.2 30.4#

277 24.9 20.2 30.2

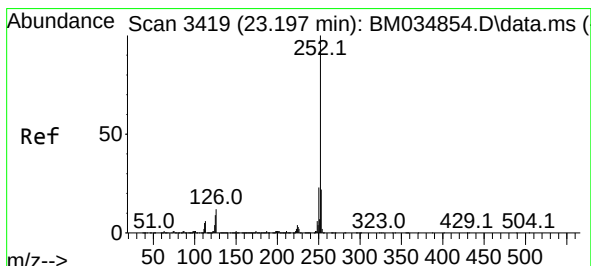
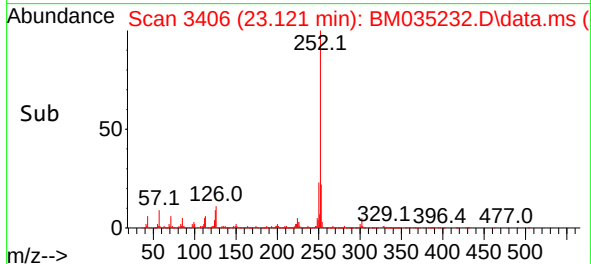
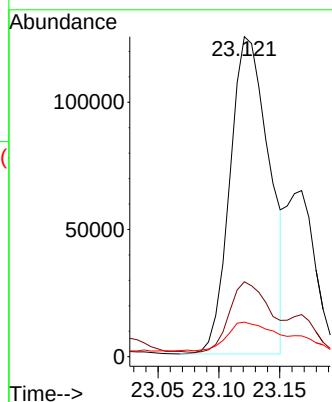
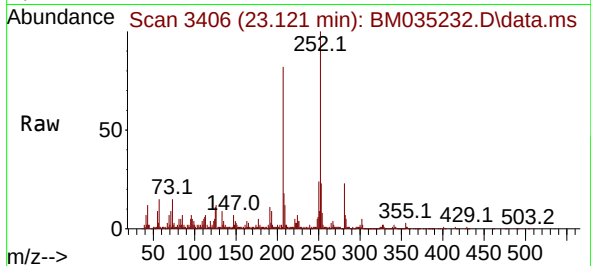




#88
Benzo(b)fluoranthene
Concen: 5.642 ng
RT: 23.121 min Scan# 3411
Delta R.T. -0.012 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

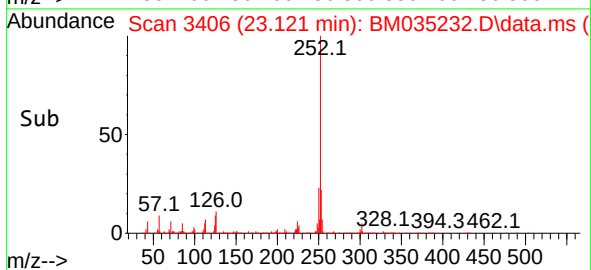
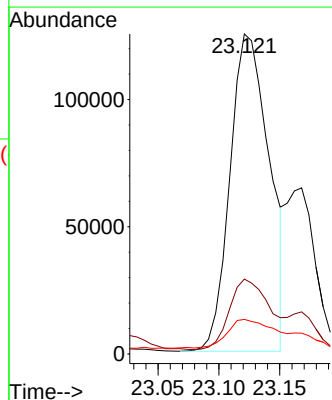
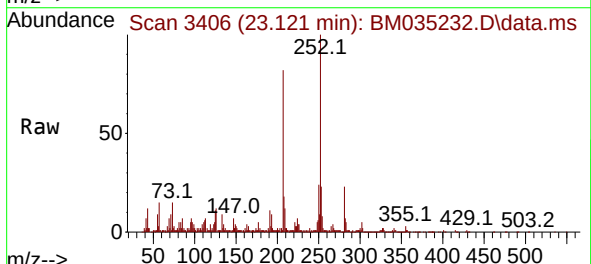
Instrument :
BNA_M
ClientSampleId :
SB-11(2-2.5)

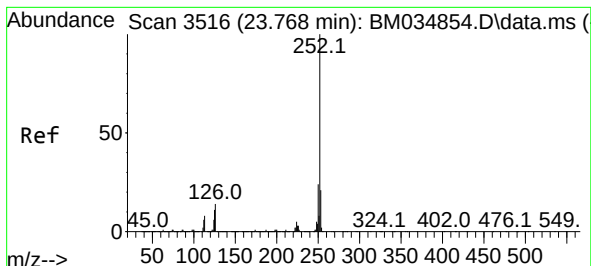
Tgt Ion:252 Resp: 280078
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.8 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 5.573 ng
RT: 23.121 min Scan# 3406
Delta R.T. -0.059 min
Lab File: BM035232.D
Acq: 24 May 2022 22:57

Tgt Ion:252 Resp: 280078
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.8 7.6 11.4





#90

Benzo(a)pyrene

Concen: 4.819 ng

RT: 23.738 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Instrument :

BNA_M

ClientSampleId :

SB-11(2-2.5)

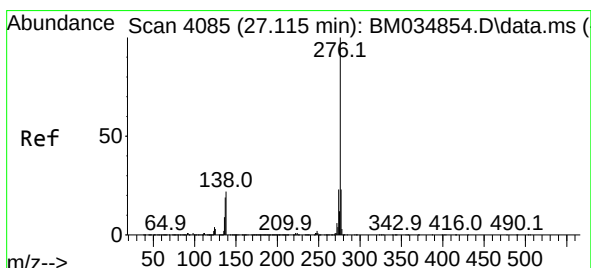
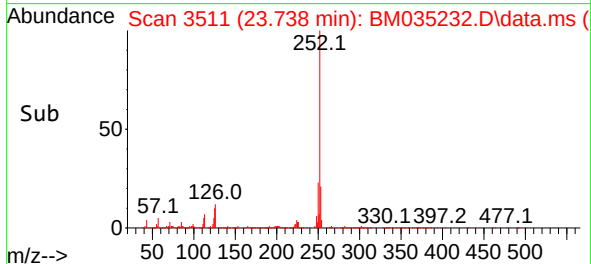
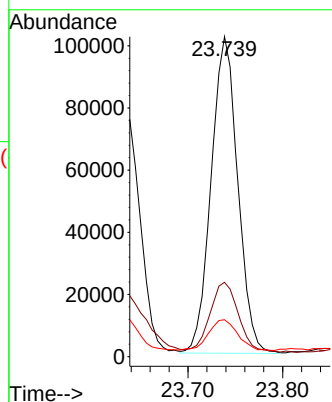
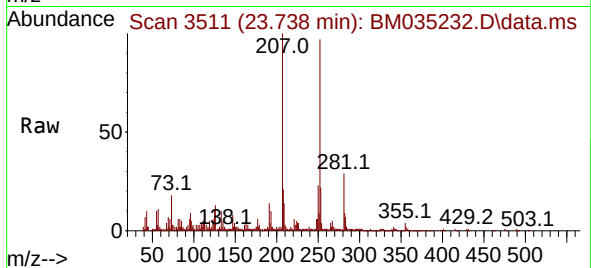
Tgt Ion:252 Resp: 198758

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 11.6 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 2.898 ng

RT: 27.068 min Scan# 4077

Delta R.T. -0.024 min

Lab File: BM035232.D

Acq: 24 May 2022 22:57

Tgt Ion:276 Resp: 140160

Ion Ratio Lower Upper

276 100

277 26.2 18.7 28.1

138 22.4 17.6 26.4

