

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
 Data File : BM042562.D
 Acq On : 02 Nov 2023 15:37
 Operator : MA/JU
 Sample : 04938-13DL 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-7(0-2)DL

Quant Time: Nov 02 22:41:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

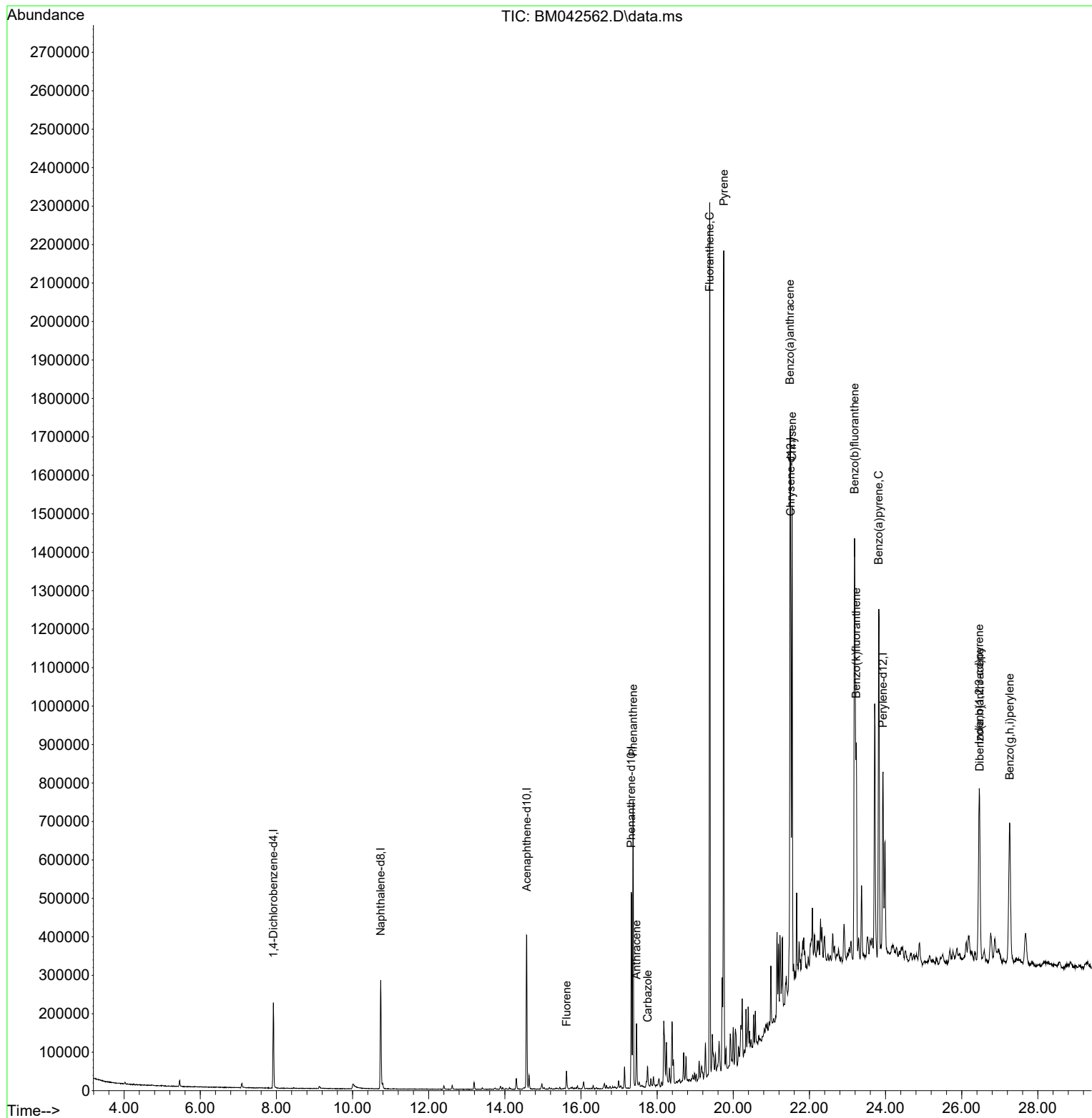
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	54776	20.000	ng	0.00
21) Naphthalene-d8	10.740	136	207959	20.000	ng	-0.01
39) Acenaphthene-d10	14.575	164	129499	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	289971	20.000	ng	0.00
76) Chrysene-d12	21.509	240	337833	20.000	ng	0.00
86) Perylene-d12	23.933	264	366413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	5959	1.756	ng	0.00
7) Phenol-d6	7.093	99	6711	1.442	ng	0.00
23) Nitrobenzene-d5	9.128	82	4717	1.057	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	2689	1.590	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	9430	0.980	ng	0.00
79) Terphenyl-d14	19.939	244	19163	0.962	ng	0.00
Target Compounds						
58) Fluorene	15.622	166	21302	2.218	ng	Qvalue # 97
71) Phenanthrene	17.369	178	406069	26.797	ng	100
72) Anthracene	17.457	178	96546	6.432	ng	99
73) Carbazole	17.751	167	33090	2.710	ng	97
75) Fluoranthene	19.380	202	1263961	71.007	ng	98
78) Pyrene	19.751	202	1224316	52.777	ng	99
81) Benzo(a)anthracene	21.492	228	703238	32.717	ng	100
83) Chrysene	21.545	228	635965	29.127	ng	96
87) Indeno(1,2,3-cd)pyrene	26.462	276	480764	22.045	ng	# 92
88) Benzo(b)fluoranthene	23.186	252	948570	46.467	ng	98
89) Benzo(k)fluoranthene	23.233	252	366585m	16.116	ng	
90) Benzo(a)pyrene	23.821	252	685587	34.113	ng	95
91) Dibenzo(a,h)anthracene	26.474	278	111204	9.185	ng	97
92) Benzo(g,h,i)perylene	27.262	276	483861	25.174	ng	96

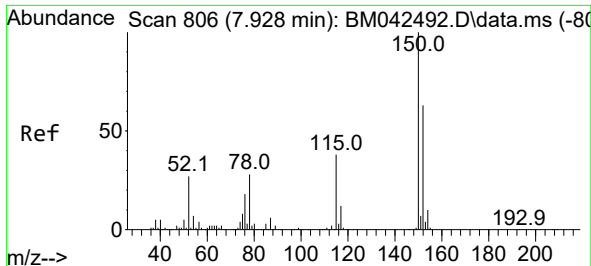
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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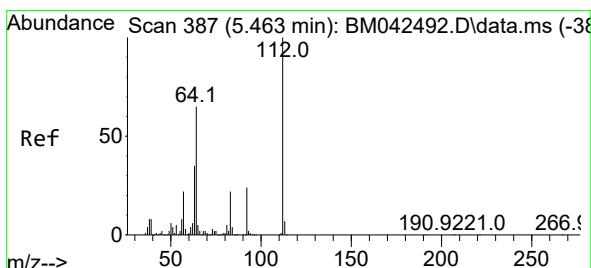
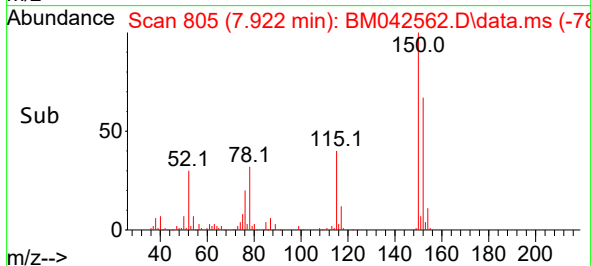
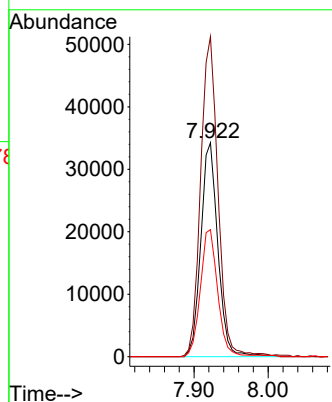
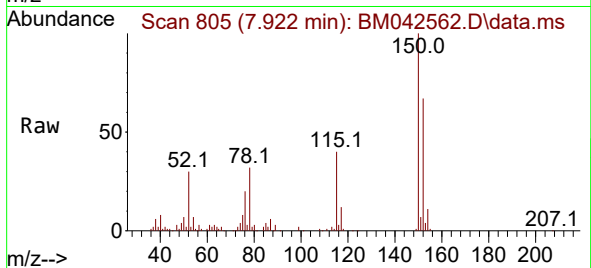




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

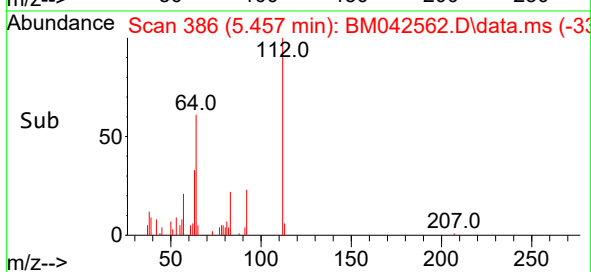
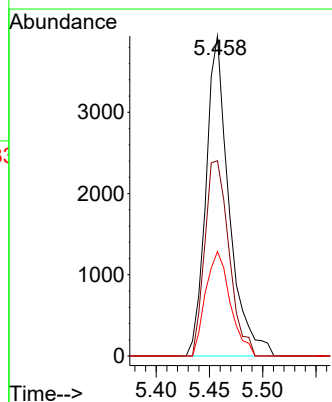
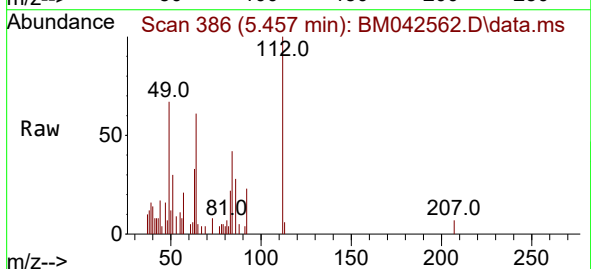
Instrument :
BNA_M
ClientSampleId :
A-7(0-2)DL

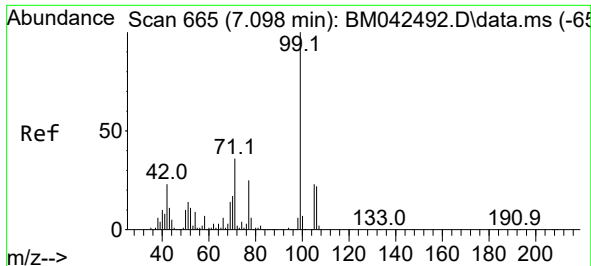
Tgt Ion:152 Resp: 54776
Ion Ratio Lower Upper
152 100
150 149.6 127.4 191.0
115 59.4 47.9 71.9



#5
2-Fluorophenol
Concen: 1.756 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

Tgt Ion:112 Resp: 5959
Ion Ratio Lower Upper
112 100
64 61.0 52.1 78.1
63 32.7 28.3 42.5

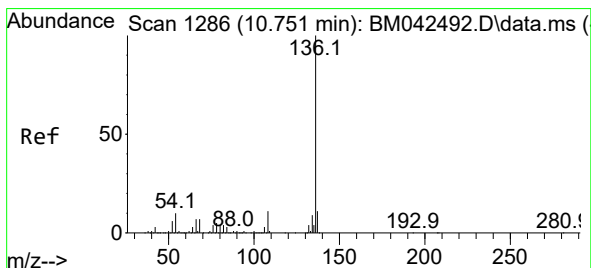
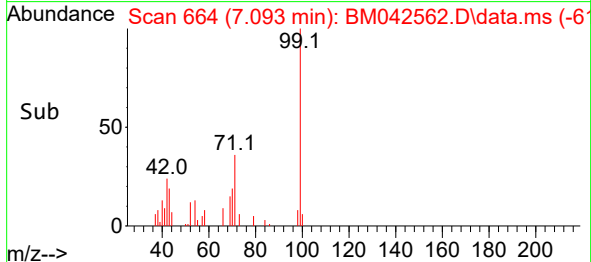
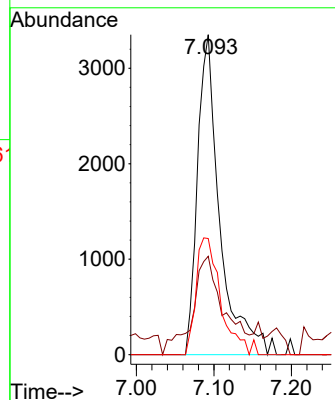
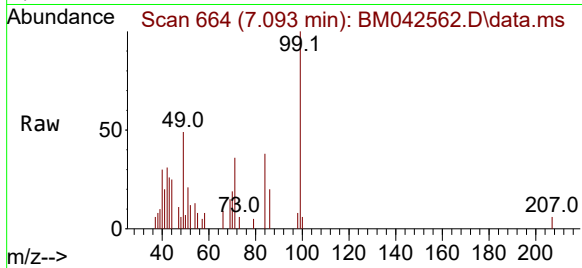




#7
Phenol-d6
Concen: 1.442 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

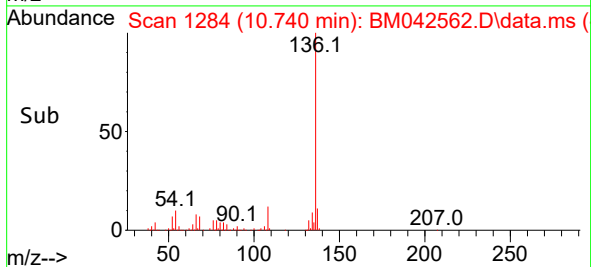
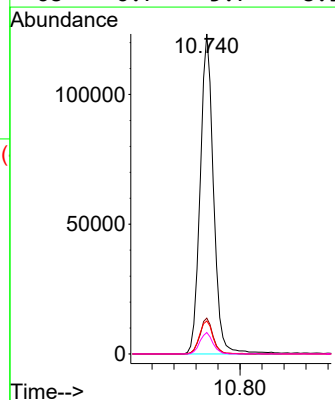
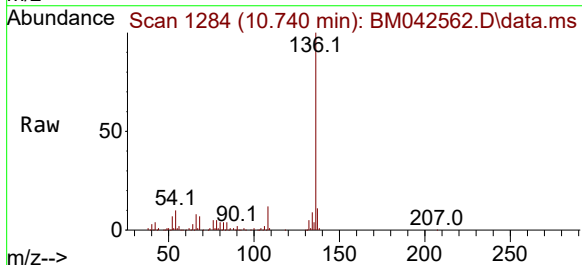
Instrument :
BNA_M
ClientSampleId :
A-7(0-2)DL

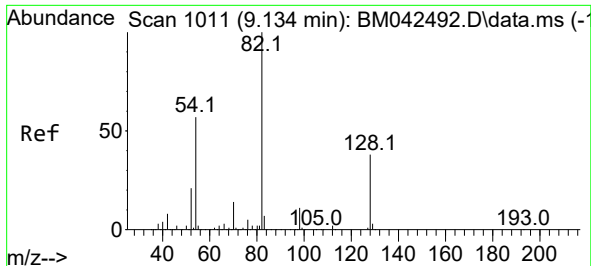
Tgt Ion: 99 Resp: 6711
Ion Ratio Lower Upper
99 100
42 30.8 18.7 28.1#
71 36.3 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 1284
Delta R.T. -0.011 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

Tgt Ion:136 Resp: 207959
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.3 8.0 12.0
68 6.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 1.057 ng

RT: 9.128 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

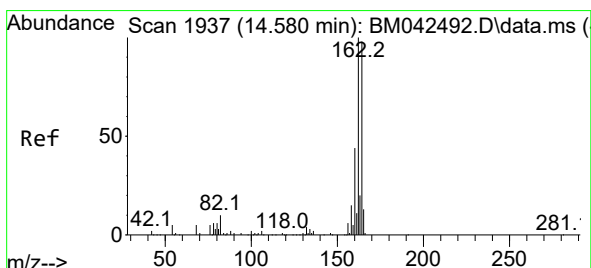
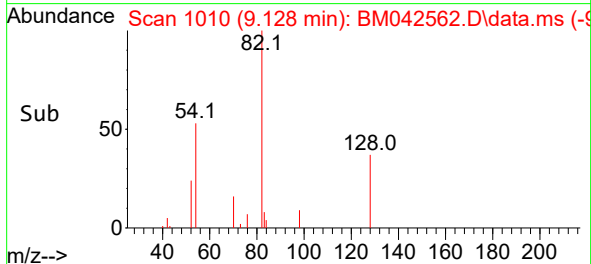
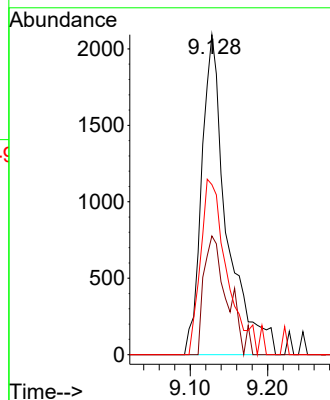
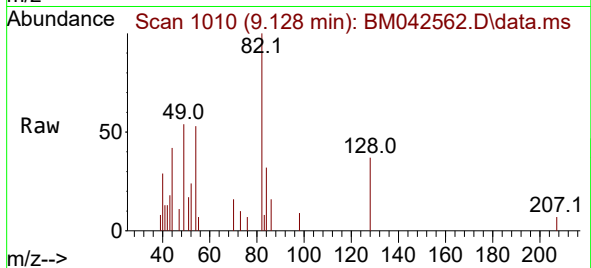
Tgt Ion: 82 Resp: 4717

Ion Ratio Lower Upper

82 100

128 37.1 30.7 46.1

54 53.1 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1936

Delta R.T. -0.005 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

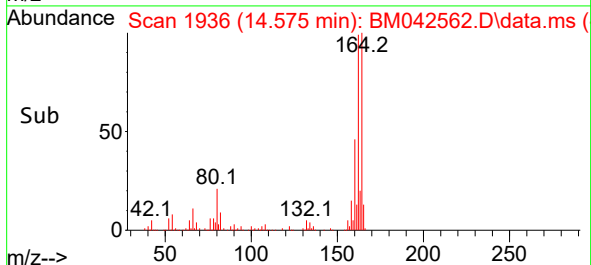
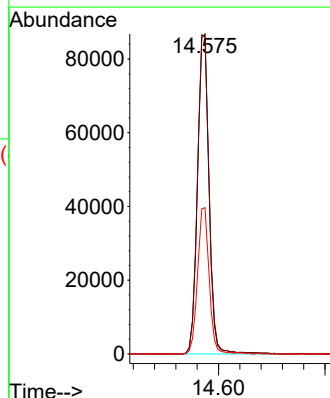
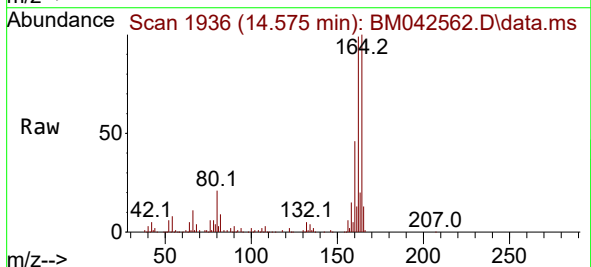
Tgt Ion: 164 Resp: 129499

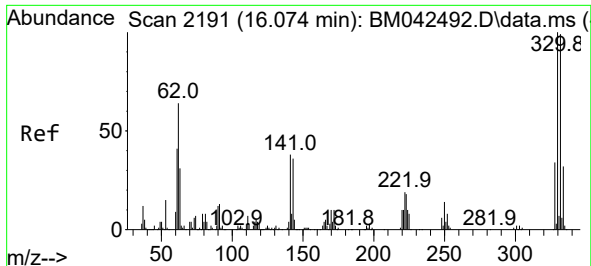
Ion Ratio Lower Upper

164 100

162 99.1 81.6 122.4

160 45.7 36.2 54.4

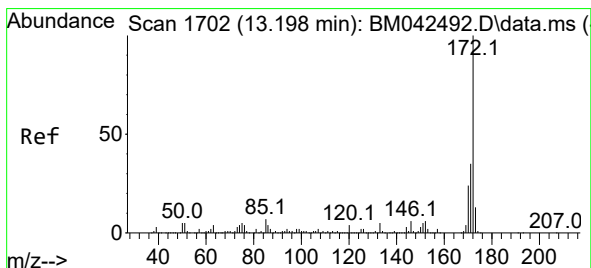
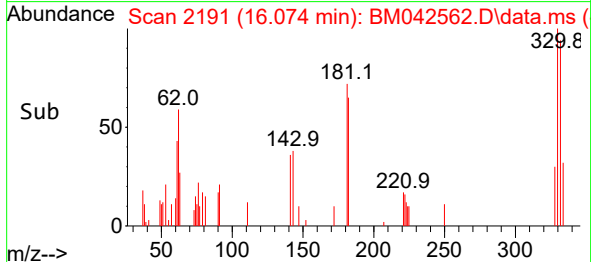
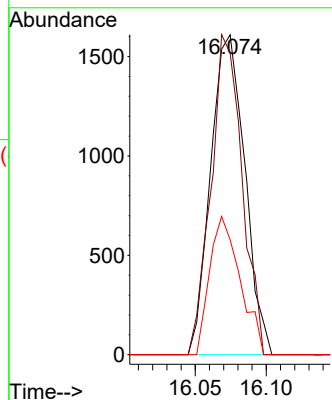
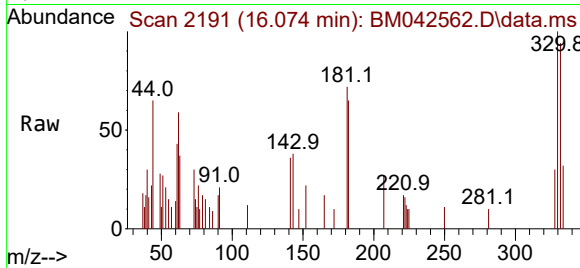




#42
2,4,6-Tribromophenol
Concen: 1.590 ng
RT: 16.074 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

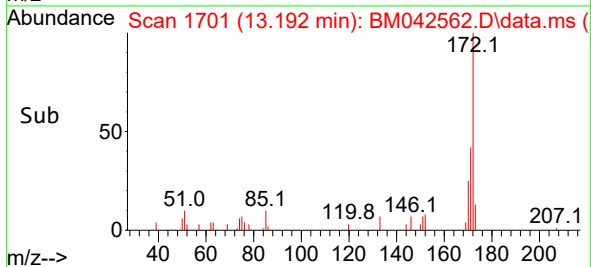
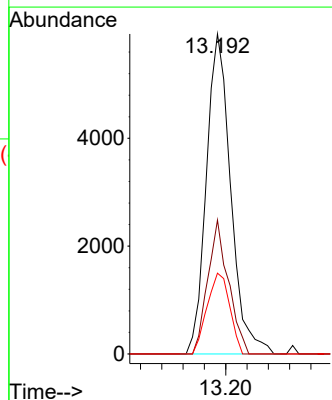
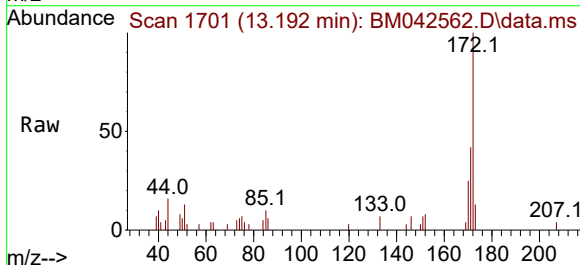
Instrument :
BNA_M
ClientSampleId :
A-7(0-2)DL

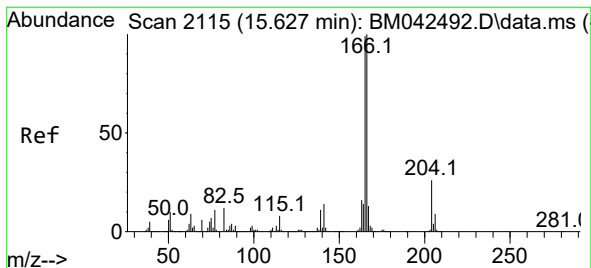
Tgt Ion:330 Resp: 2689
Ion Ratio Lower Upper
330 100
332 91.3 78.8 118.2
141 38.6 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 0.980 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

Tgt Ion:172 Resp: 9430
Ion Ratio Lower Upper
172 100
171 41.8 28.2 42.2
170 25.3 19.0 28.4





#58

Fluorene

Concen: 2.218 ng

RT: 15.622 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

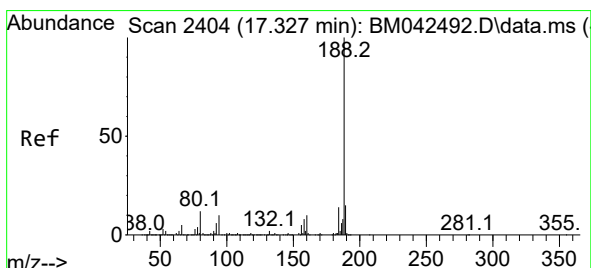
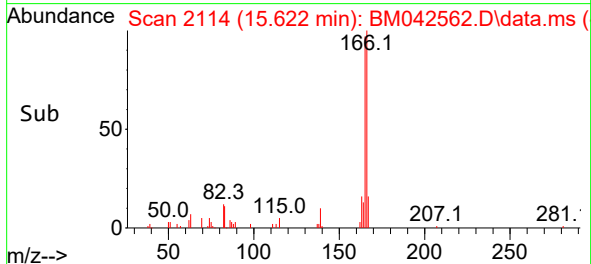
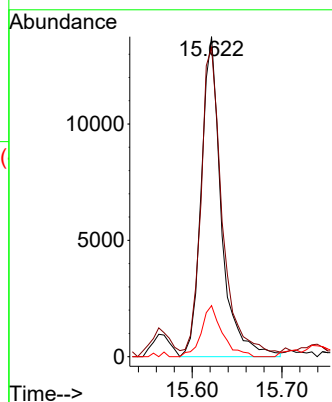
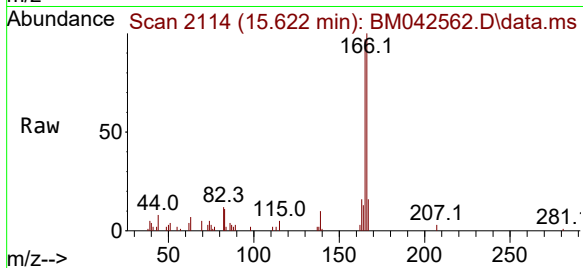
Tgt Ion:166 Resp: 21302

Ion Ratio Lower Upper

166 100

165 96.6 79.3 118.9

167 16.0 10.5 15.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

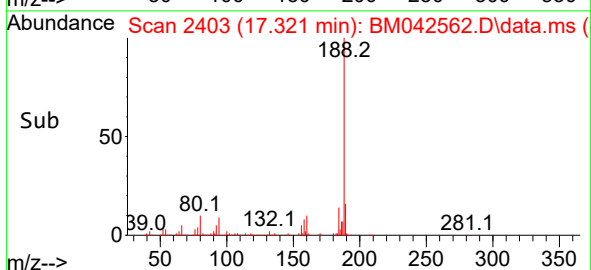
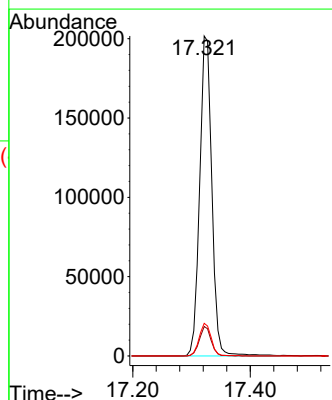
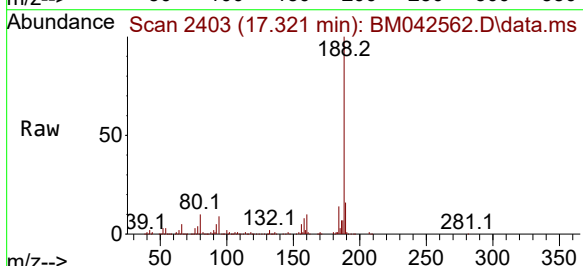
Tgt Ion:188 Resp: 289971

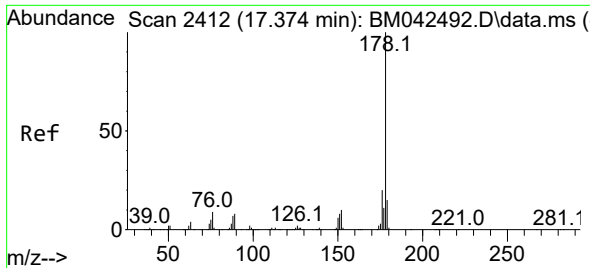
Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

80 10.2 9.4 14.2

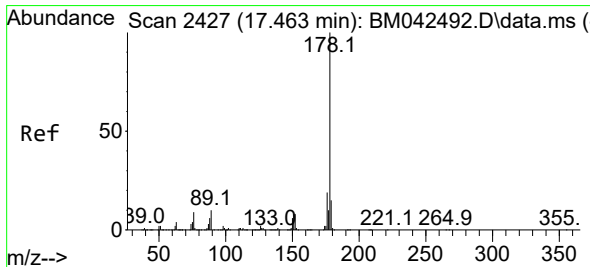
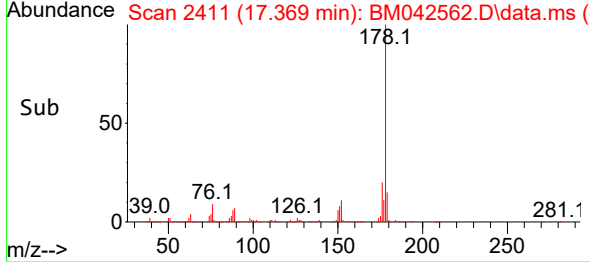
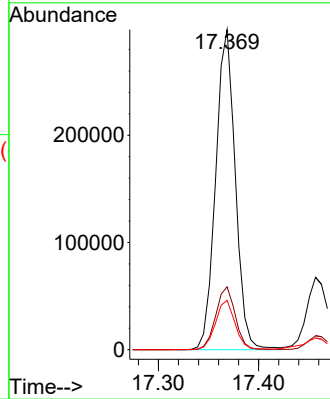
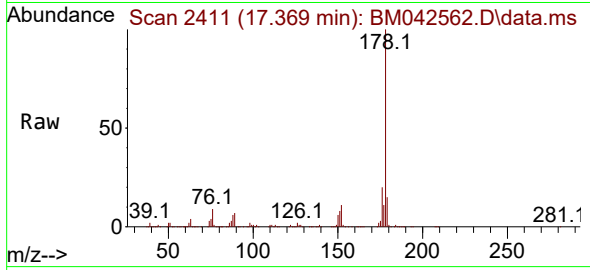




#71
Phenanthrene
Concen: 26.797 ng
RT: 17.369 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

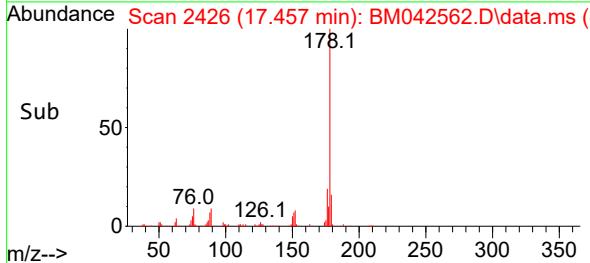
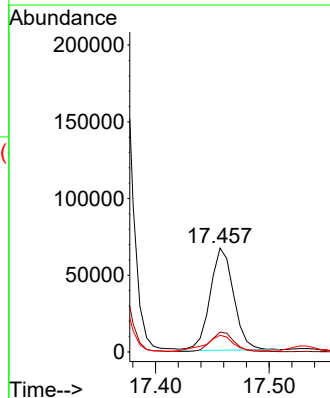
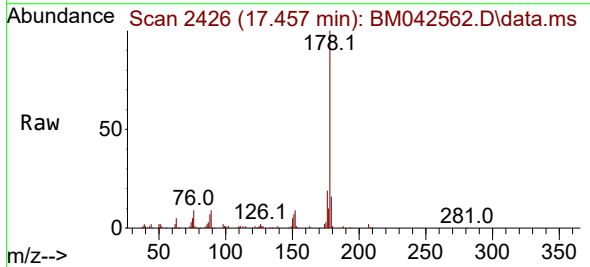
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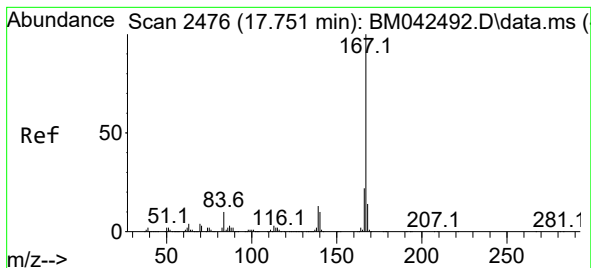
Tgt Ion:178 Resp: 406069
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.4 12.2 18.4



#72
Anthracene
Concen: 6.432 ng
RT: 17.457 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

Tgt Ion:178 Resp: 96546
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 16.1 12.3 18.5





#73

Carbazole

Concen: 2.710 ng

RT: 17.751 min Scan# 2476

Delta R.T. -0.000 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

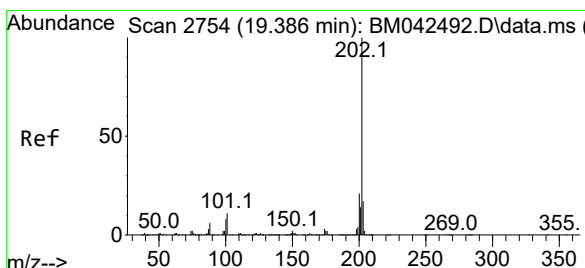
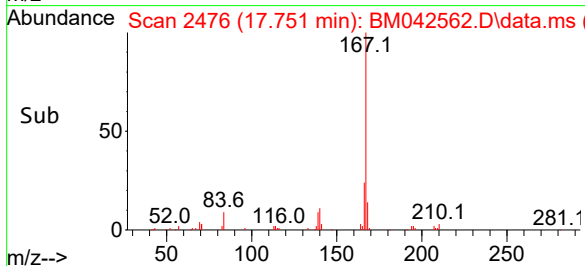
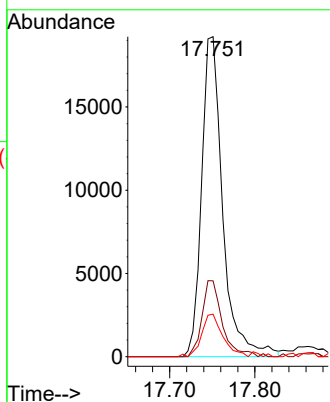
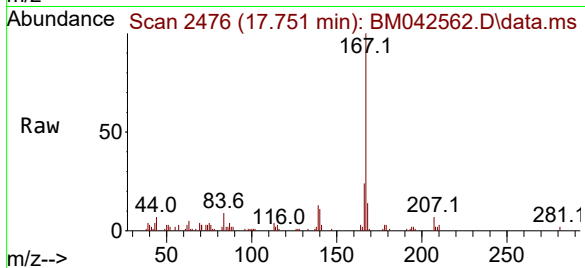
Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

Tgt Ion:167	Resp:	33090
Ion Ratio	Lower	Upper
167	100	
166	23.7	17.4 26.2
139	13.3	10.5 15.7



#75

Fluoranthene

Concen: 71.007 ng

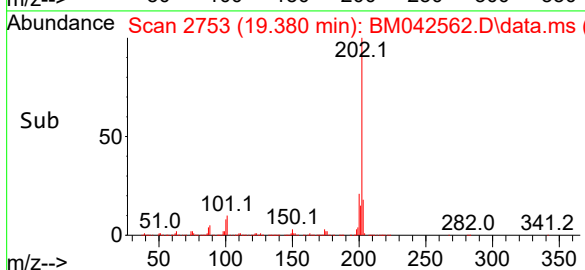
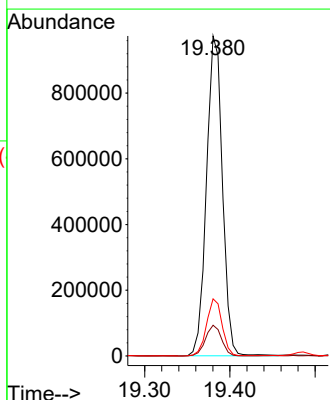
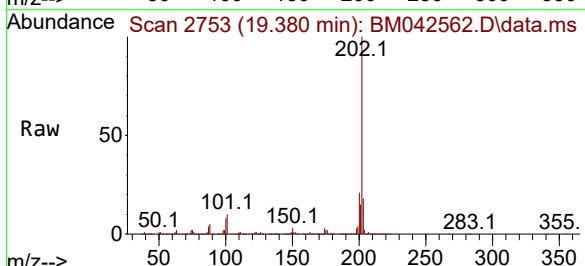
RT: 19.380 min Scan# 2753

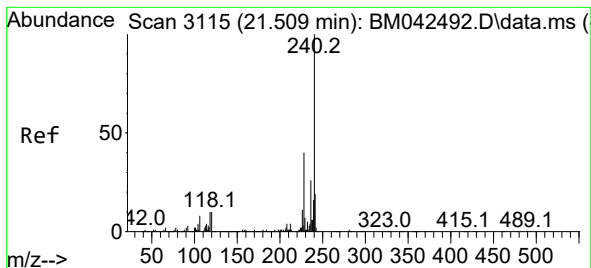
Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Tgt Ion:202	Resp:	1263961
Ion Ratio	Lower	Upper
202	100	
101	9.6	0.0 30.5
203	17.8	0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.509 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

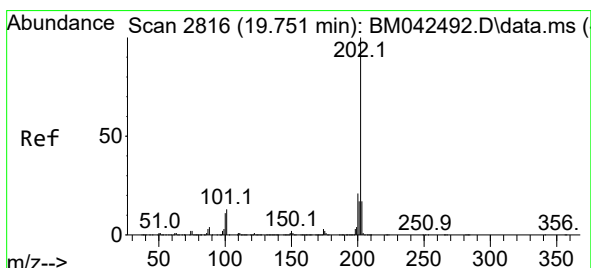
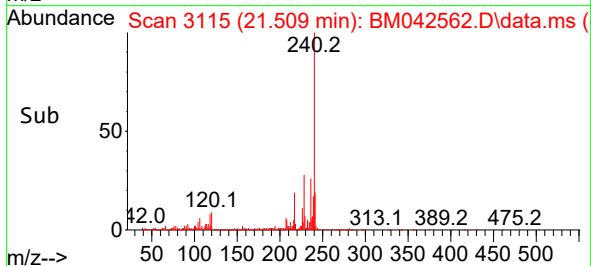
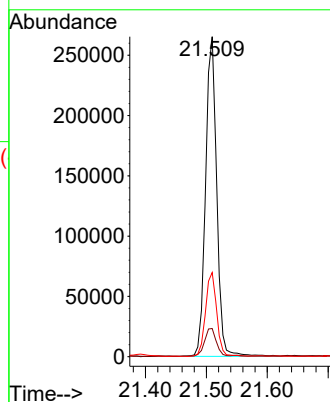
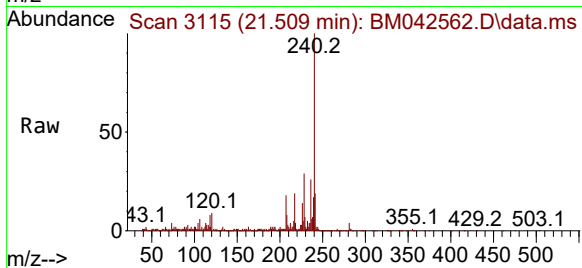
Tgt Ion:240 Resp: 337833

Ion Ratio Lower Upper

240 100

120 8.8 8.3 12.5

236 26.3 20.8 31.2



#78

Pyrene

Concen: 52.777 ng

RT: 19.751 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

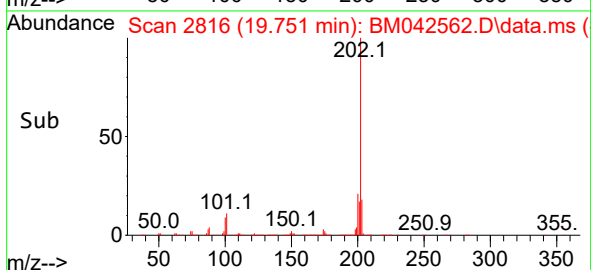
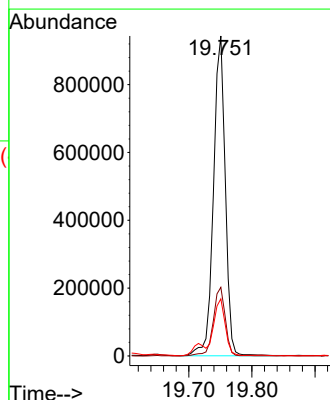
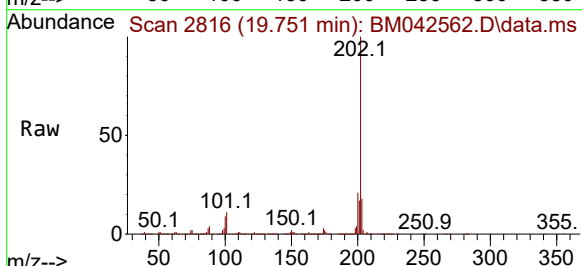
Tgt Ion:202 Resp: 1224316

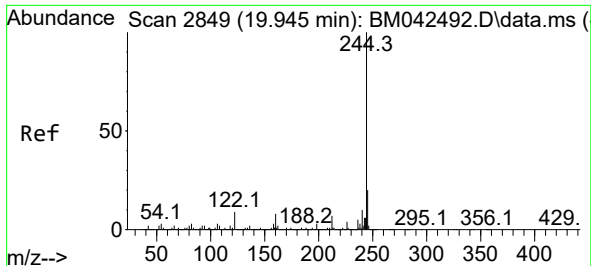
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.9 13.7 20.5

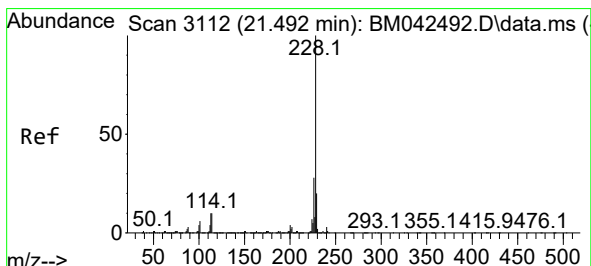
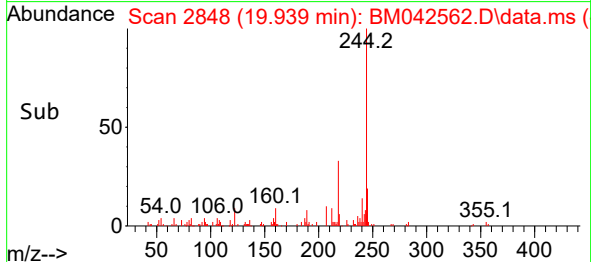
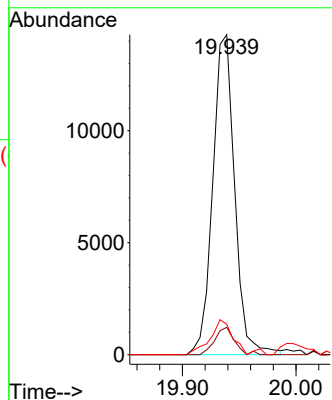
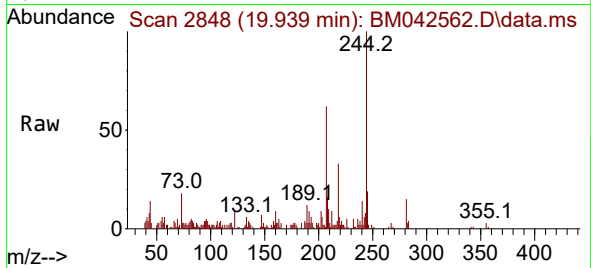




#79
 Terphenyl-d14
 Concen: 0.962 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042562.D
 Acq: 02 Nov 2023 15:37

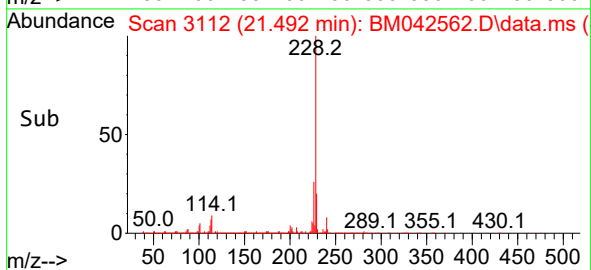
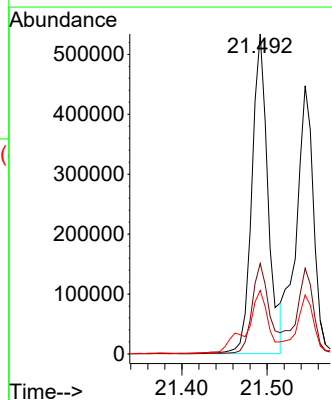
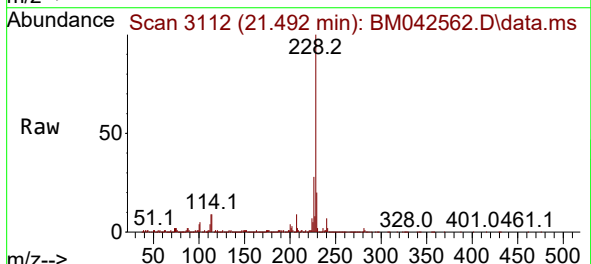
Instrument :
 BNA_M
 ClientSampleId :
 A-7(0-2)DL

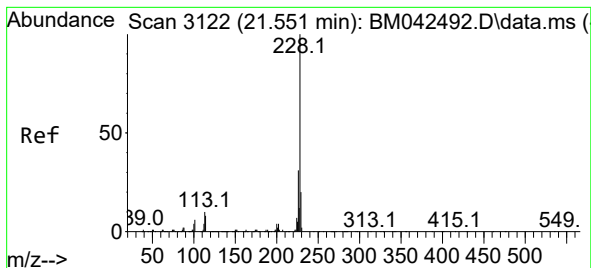
Tgt Ion:244 Resp: 19163
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.4 8.2#
 122 9.5 7.2 10.8



#81
 Benzo(a)anthracene
 Concen: 32.717 ng
 RT: 21.492 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BM042562.D
 Acq: 02 Nov 2023 15:37

Tgt Ion:228 Resp: 703238
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.3 33.5
 229 19.9 15.8 23.8





#83

Chrysene

Concen: 29.127 ng

RT: 21.545 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

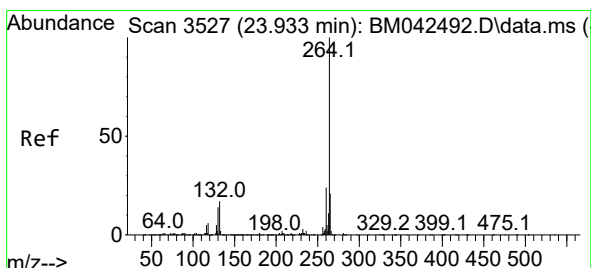
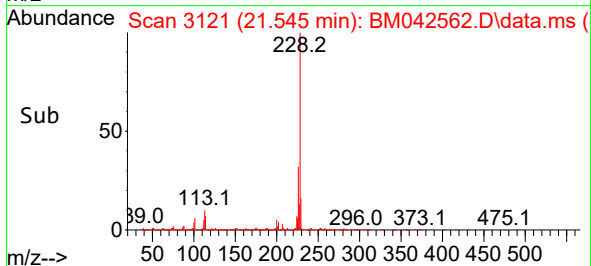
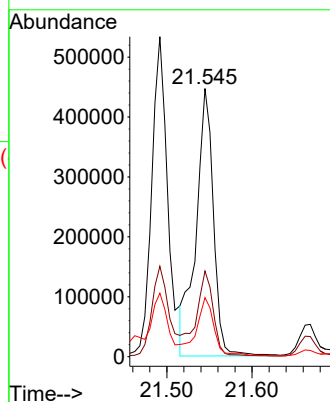
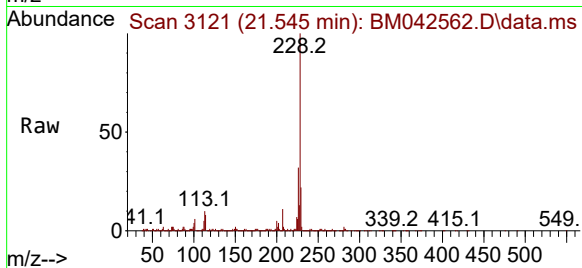
Tgt Ion:228 Resp: 635965

Ion Ratio Lower Upper

228 100

226 31.9 24.4 36.6

229 22.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

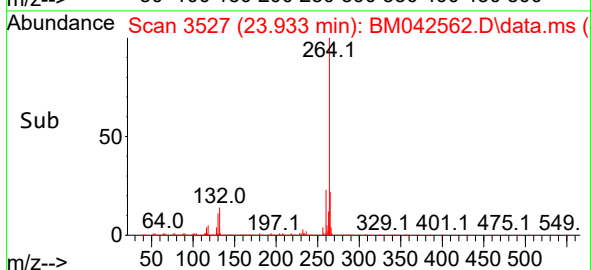
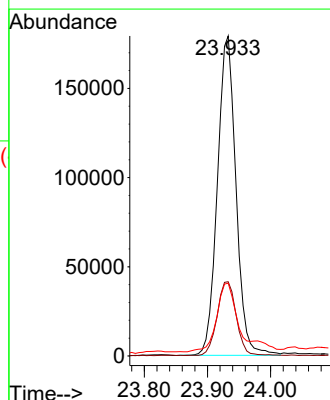
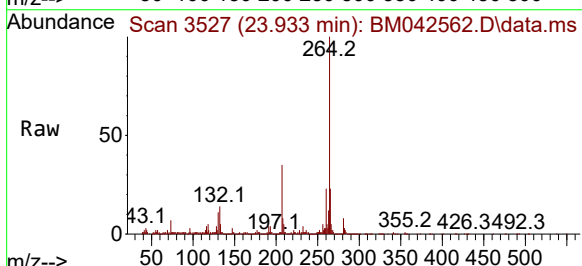
Tgt Ion:264 Resp: 366413

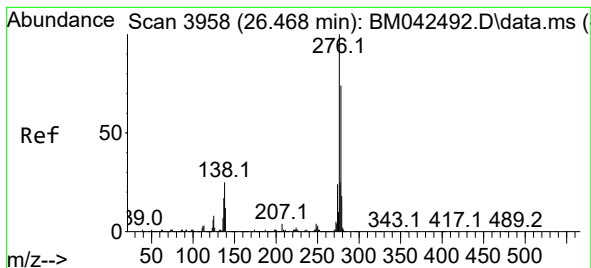
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.8 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.045 ng

RT: 26.462 min Scan# 3958

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

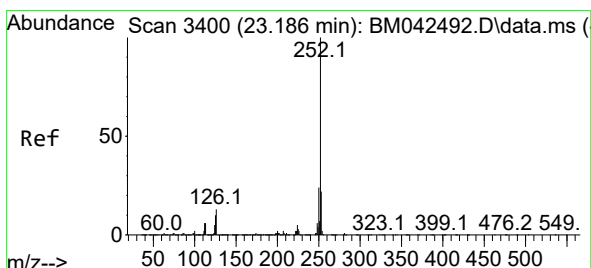
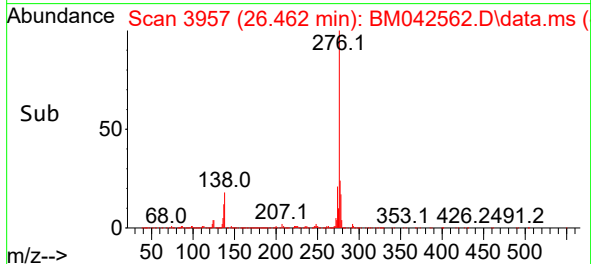
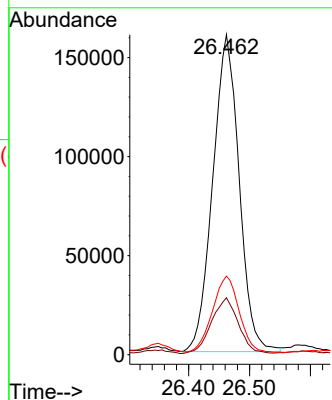
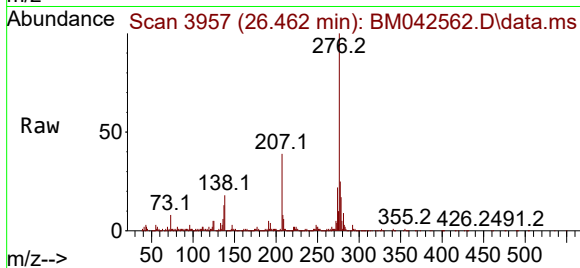
Tgt Ion:276 Resp: 480764

Ion Ratio Lower Upper

276 100

138 17.9 20.6 31.0#

277 24.5 19.5 29.3



#88

Benzo(b)fluoranthene

Concen: 46.467 ng

RT: 23.186 min Scan# 3400

Delta R.T. 0.000 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

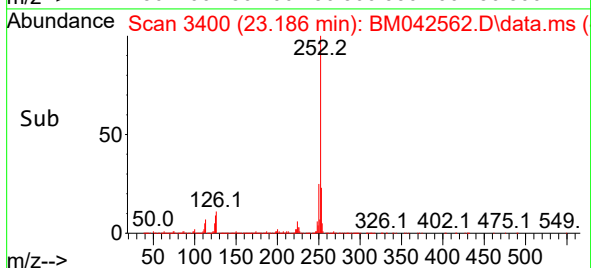
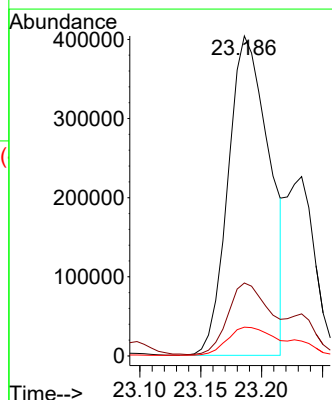
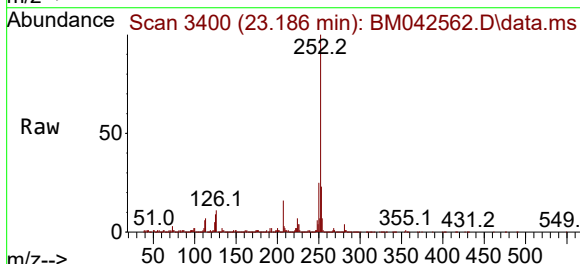
Tgt Ion:252 Resp: 948570

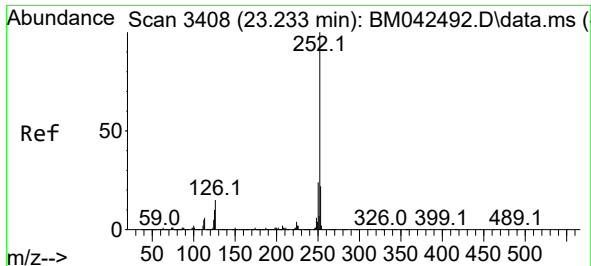
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.0 7.8 11.6

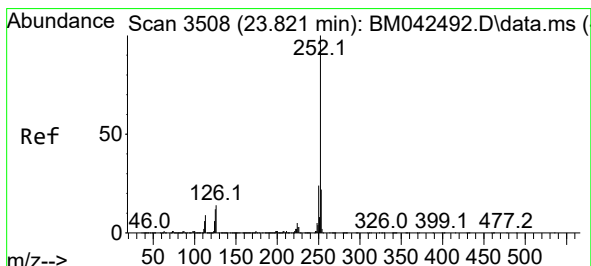
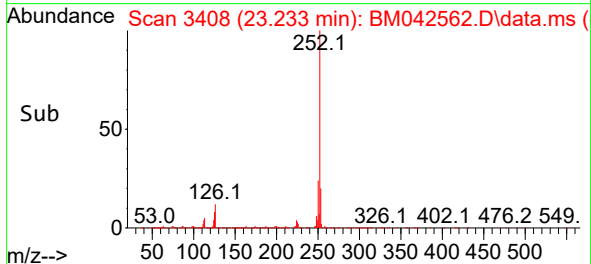
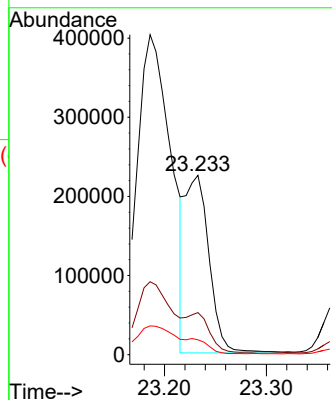
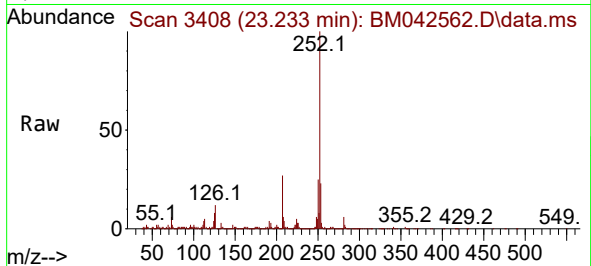




#89
Benzo(k)fluoranthene
Concen: 16.116 ng m
RT: 23.233 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

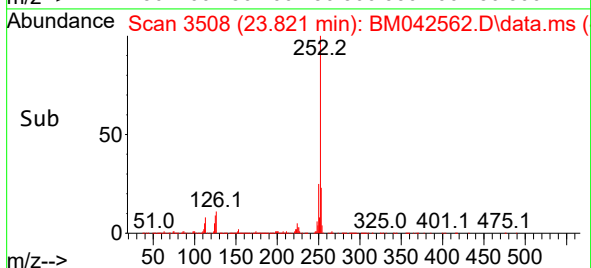
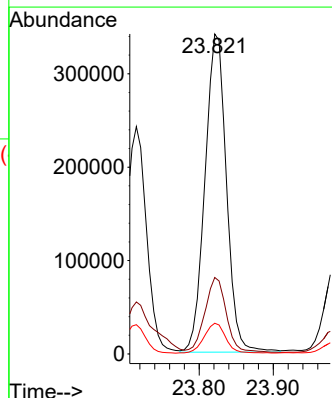
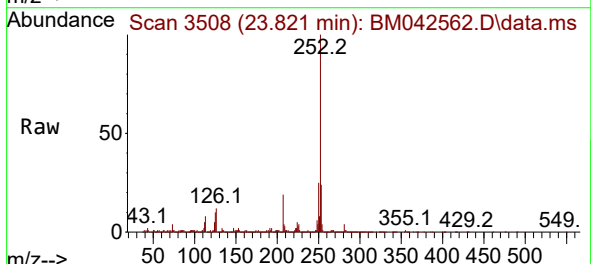
Instrument :
BNA_M
ClientSampleId :
A-7(0-2)DL

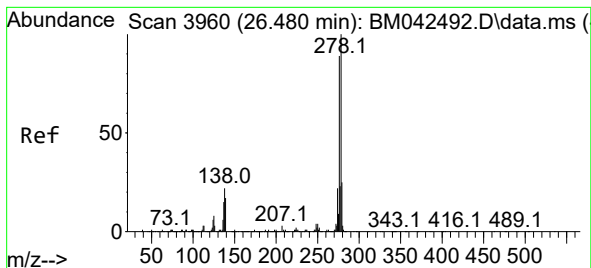
Tgt Ion:252 Resp: 366585
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 8.3 8.2 12.4



#90
Benzo(a)pyrene
Concen: 34.113 ng
RT: 23.821 min Scan# 3508
Delta R.T. 0.000 min
Lab File: BM042562.D
Acq: 02 Nov 2023 15:37

Tgt Ion:252 Resp: 685587
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 9.6 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 9.185 ng

RT: 26.474 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Instrument :

BNA_M

ClientSampleId :

A-7(0-2)DL

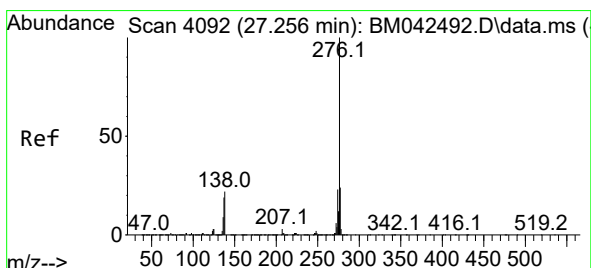
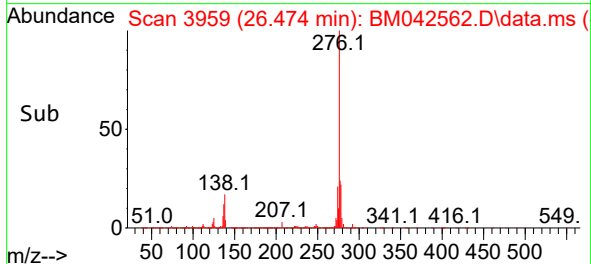
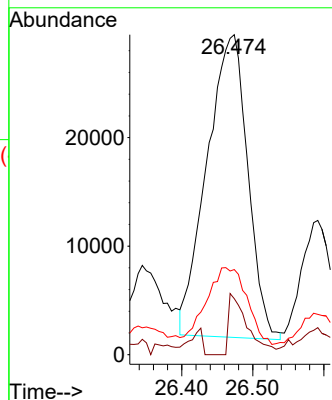
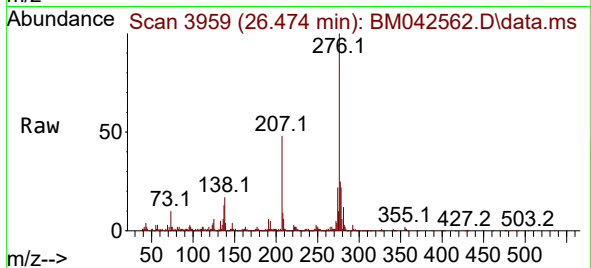
Tgt Ion:278 Resp: 111204

Ion Ratio Lower Upper

278 100

139 17.5 13.4 20.2

279 26.6 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 25.174 ng

RT: 27.262 min Scan# 4093

Delta R.T. 0.006 min

Lab File: BM042562.D

Acq: 02 Nov 2023 15:37

Tgt Ion:276 Resp: 483861

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 18.3 17.3 25.9

