

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041228.D
 Acq On : 01 Aug 2023 17:09
 Operator : MA/JU
 Sample : 03770-04DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DEL-2-RPDL

Quant Time: Aug 02 01:55:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

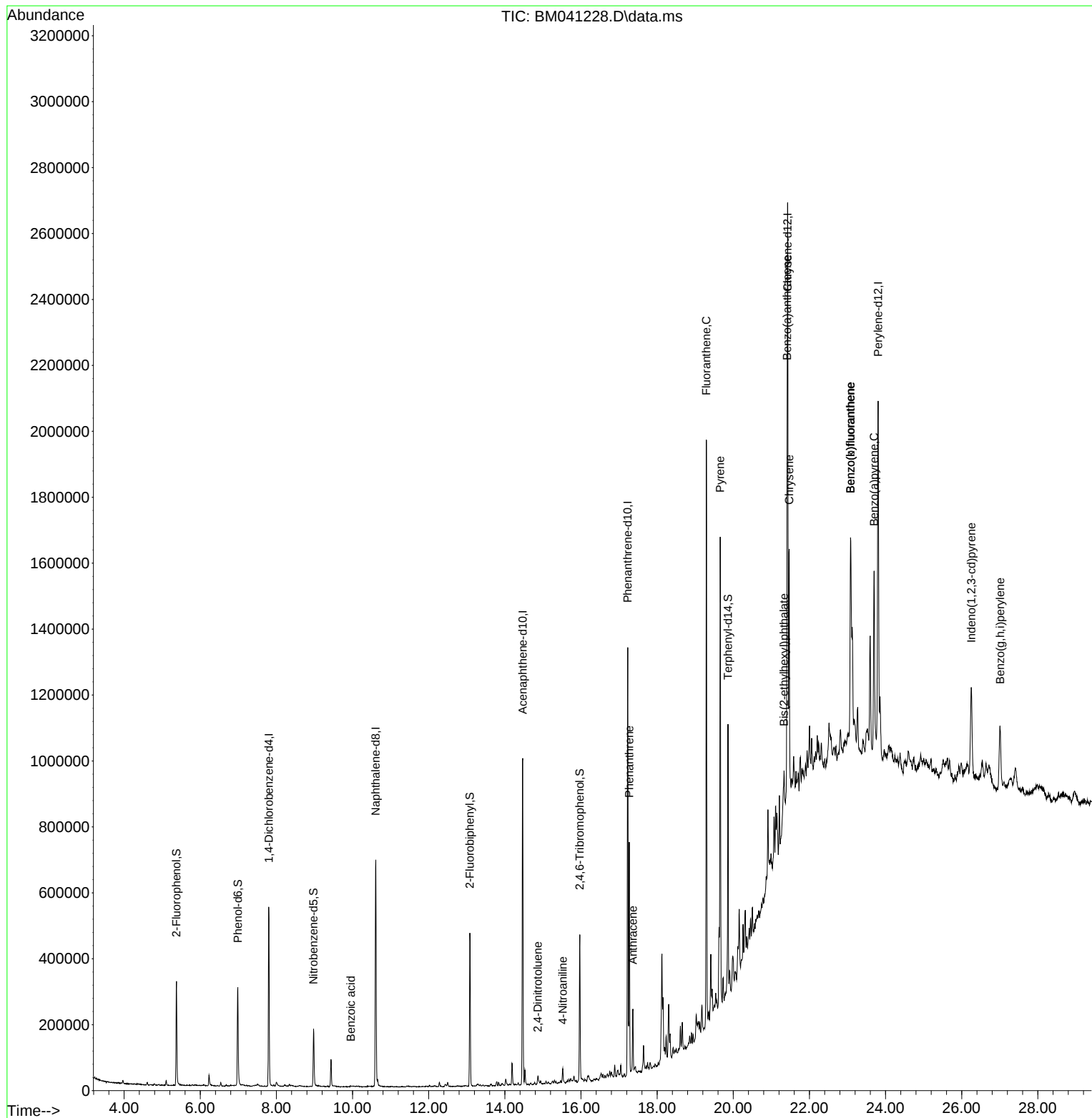
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	141191	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	554808	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	335288	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	740228	20.000	ng	0.00
76) Chrysene-d12	21.427	240	679941	20.000	ng	0.00
86) Perylene-d12	23.803	264	766371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	137555	14.561	ng	0.01
7) Phenol-d6	6.987	99	180851	14.769	ng	0.01
23) Nitrobenzene-d5	8.975	82	107160	8.982	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	79939	16.856	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	235666	8.879	ng	0.00
79) Terphenyl-d14	19.862	244	353301	9.395	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.957	122	56	7.163	ng	# 1
57) 2,4-Dinitrotoluene	14.863	165	173	2.692	ng	# 39
62) 4-Nitroaniline	15.521	138	146	4.172	ng	# 13
71) Phenanthrene	17.268	178	403223	9.804	ng	99
72) Anthracene	17.362	178	120633	2.966	ng	99
75) Fluoranthene	19.292	202	977190	21.149	ng	99
78) Pyrene	19.656	202	847339	17.820	ng	100
81) Benzo(a)anthracene	21.415	228	458008	9.936	ng	98
83) Chrysene	21.468	228	433138	9.715	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	35725	3.766	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.250	276	270836	4.807	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	591867	13.000	ng	98
89) Benzo(k)fluoranthene	23.080	252	591867	12.709	ng	97
90) Benzo(a)pyrene	23.697	252	394855	9.026	ng	97
92) Benzo(g,h,i)perylene	27.009	276	258773	5.627	ng	96

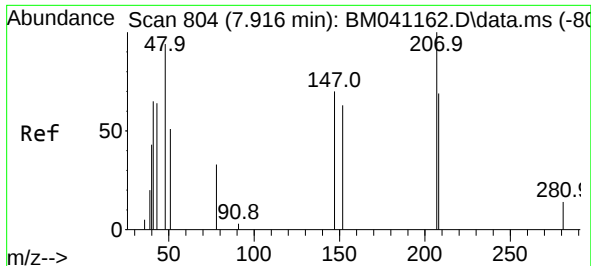
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
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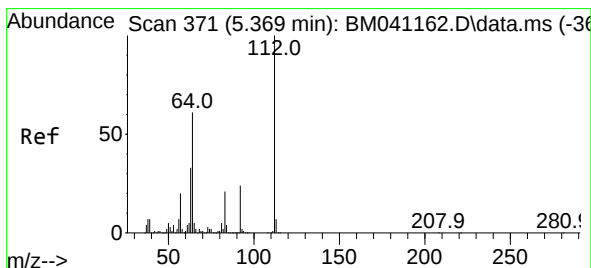
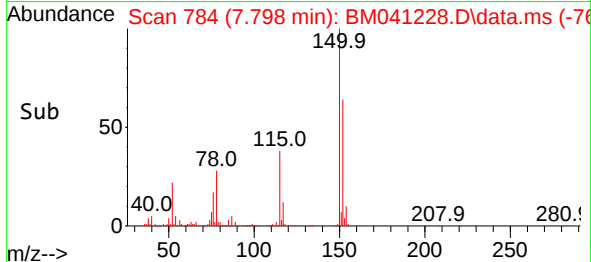
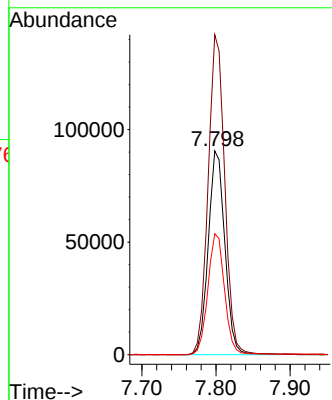
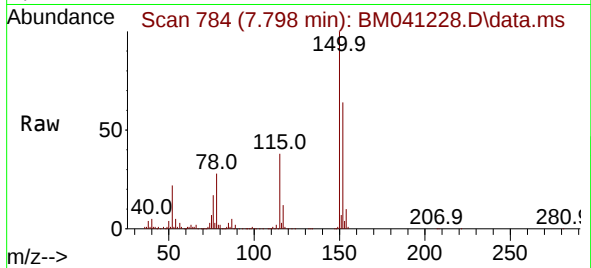




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.798 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BM041228.D
 Acq: 01 Aug 2023 17:09

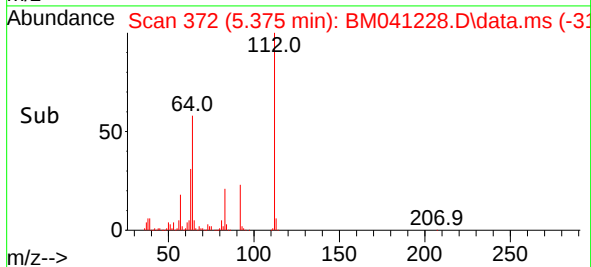
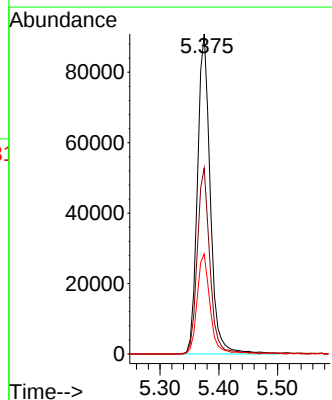
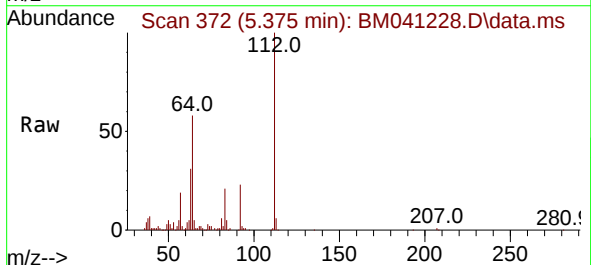
Instrument :
 BNA_M
 ClientSampleId :
 DEL-2-RPDL

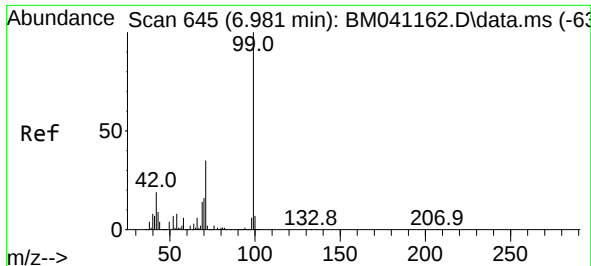
Tgt Ion:152 Resp: 141191
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.5 188.3
 115 59.3 48.0 72.0



#5
 2-Fluorophenol
 Concen: 14.561 ng
 RT: 5.375 min Scan# 372
 Delta R.T. 0.012 min
 Lab File: BM041228.D
 Acq: 01 Aug 2023 17:09

Tgt Ion:112 Resp: 137555
 Ion Ratio Lower Upper
 112 100
 64 58.1 48.5 72.7
 63 31.3 26.5 39.7

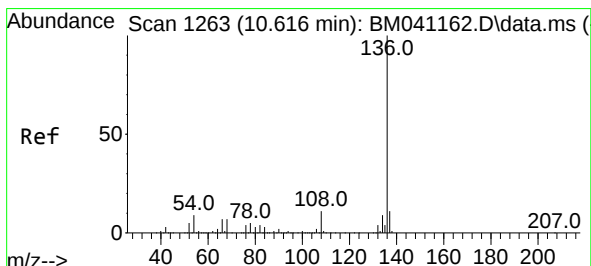
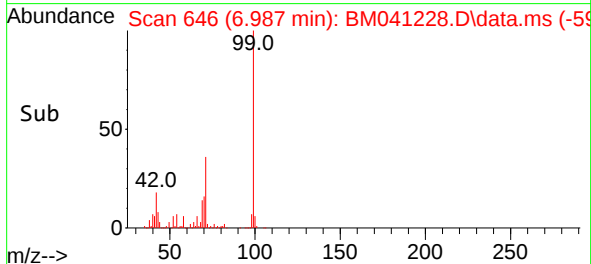
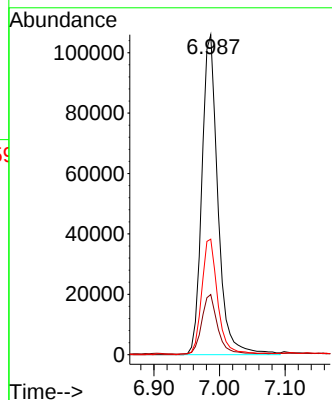
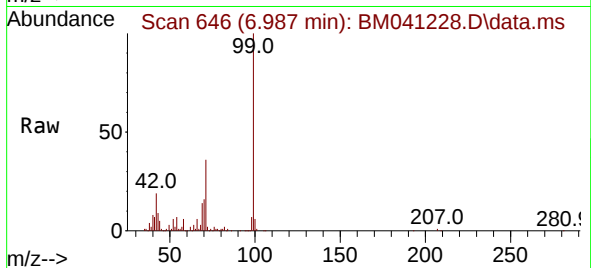




#7
Phenol-d6
Concen: 14.769 ng
RT: 6.987 min Scan# 645
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

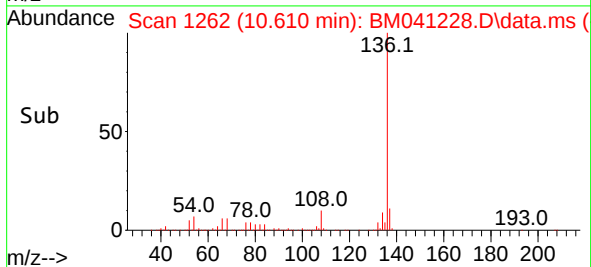
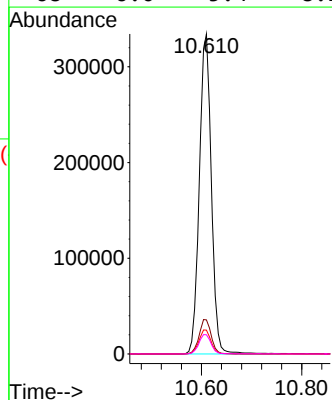
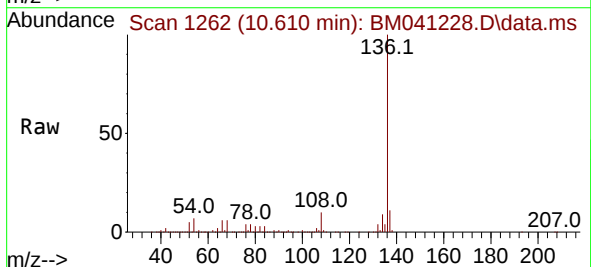
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

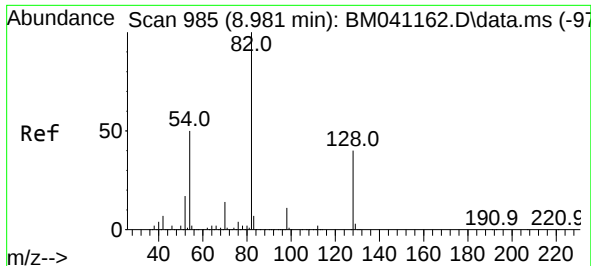
Tgt Ion: 99 Resp: 180851
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.0
71 36.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion: 136 Resp: 554808
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.5 6.9 10.3
68 6.0 5.4 8.2

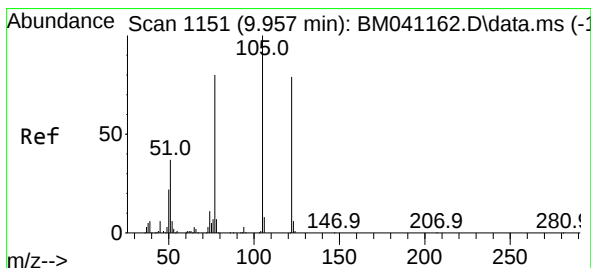
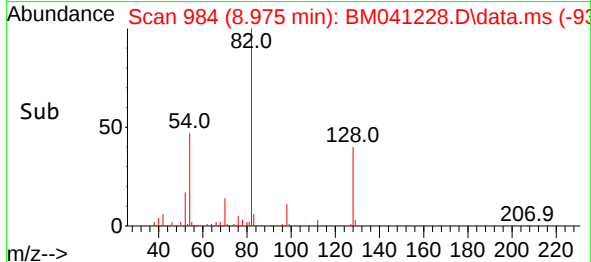
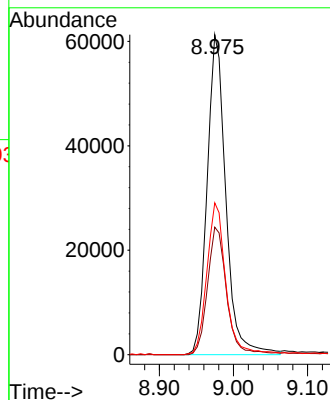
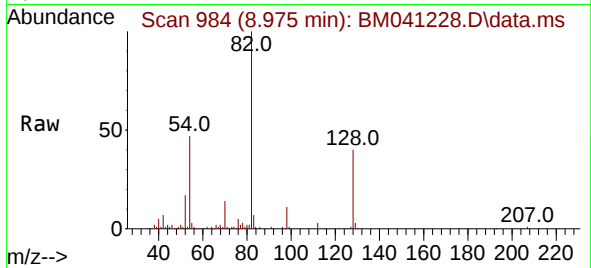




#23
Nitrobenzene-d5
Concen: 8.982 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

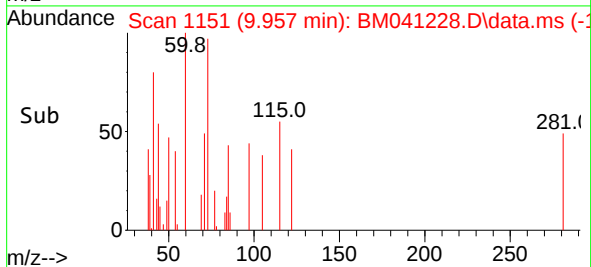
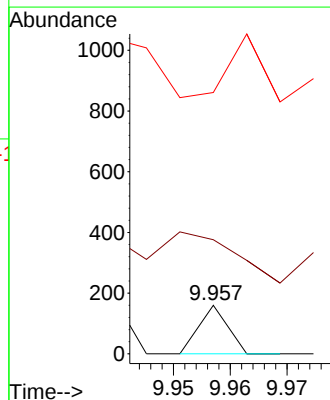
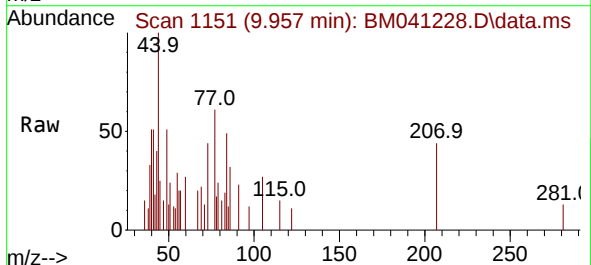
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

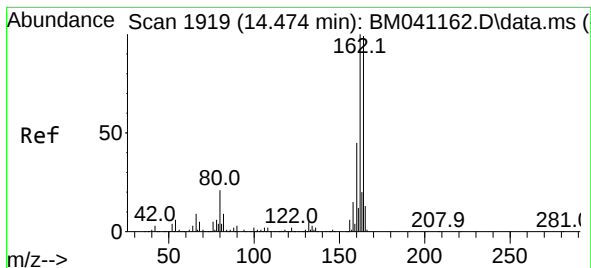
Tgt Ion: 82 Resp: 107160
Ion Ratio Lower Upper
82 100
128 39.8 31.8 47.6
54 47.5 40.1 60.1



#32
Benzoic acid
Concen: 7.163 ng
RT: 9.957 min Scan# 1151
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 235.0 104.0 144.0#
77 538.1 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.468 min Scan# 1919

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

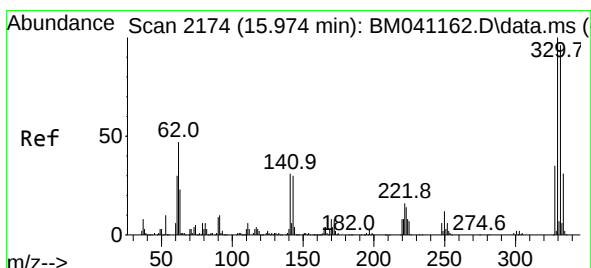
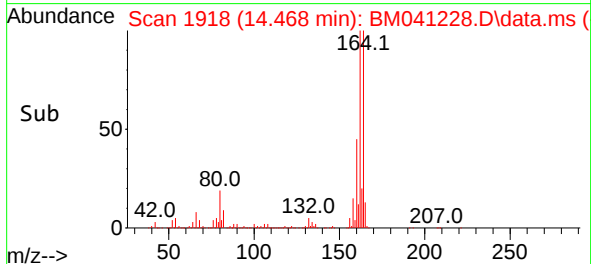
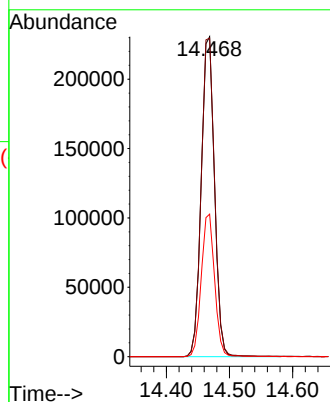
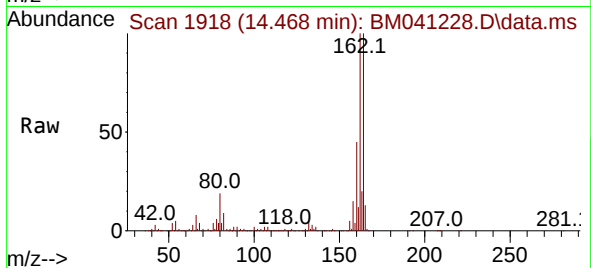
Tgt Ion:164 Resp: 335288

Ion Ratio Lower Upper

164 100

162 99.6 80.4 120.6

160 44.6 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 16.856 ng

RT: 15.968 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

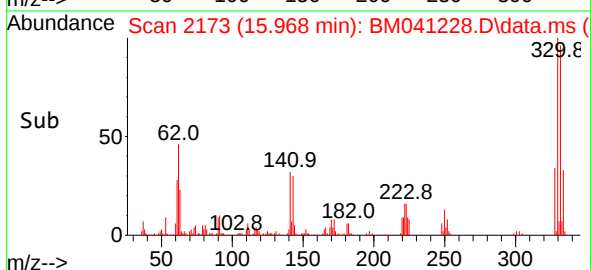
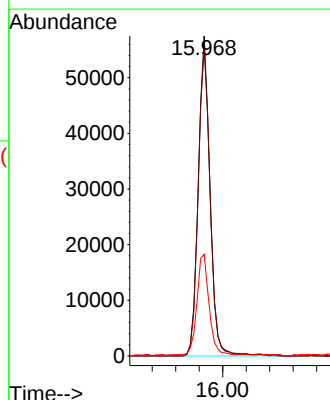
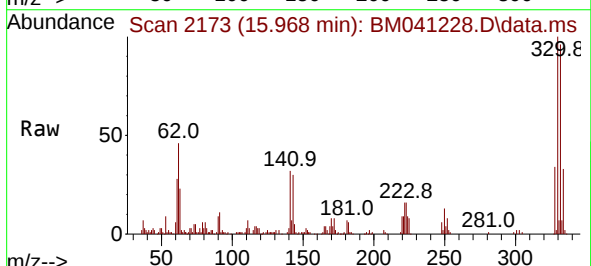
Tgt Ion:330 Resp: 79939

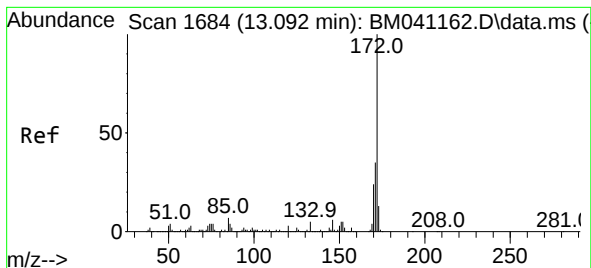
Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

141 31.9 28.3 42.5

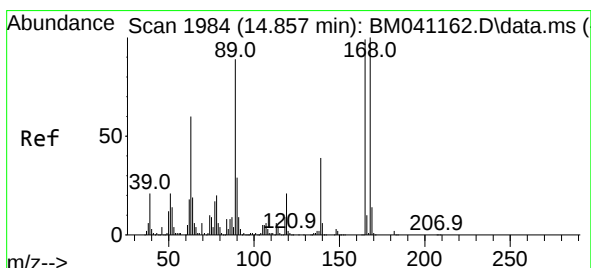
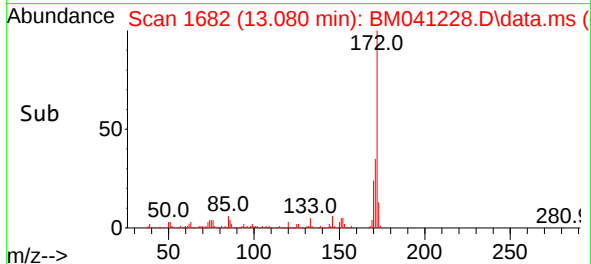
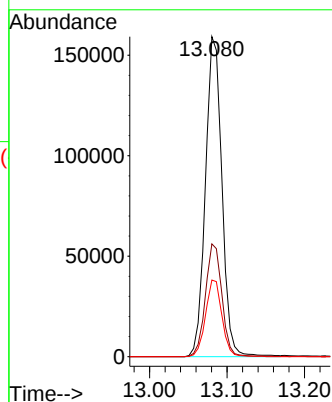
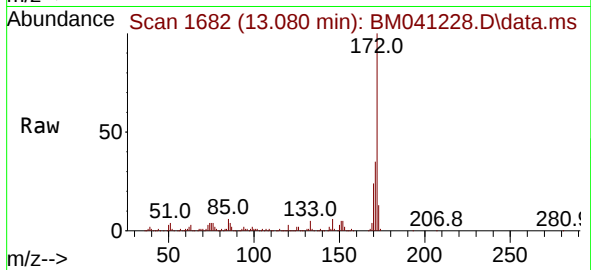




#45
2-Fluorobiphenyl
Concen: 8.879 ng
RT: 13.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

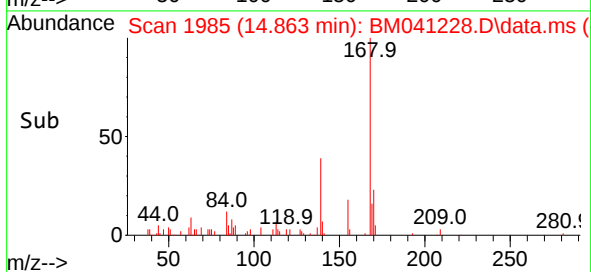
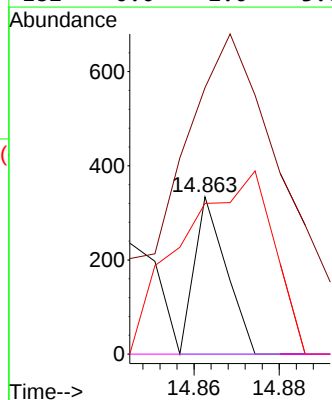
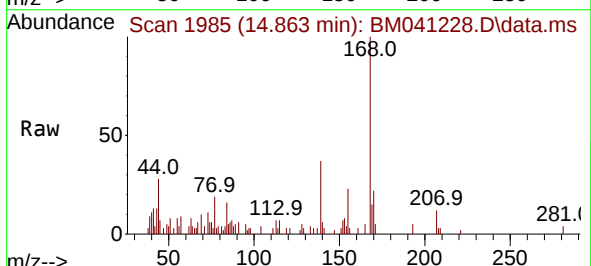
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

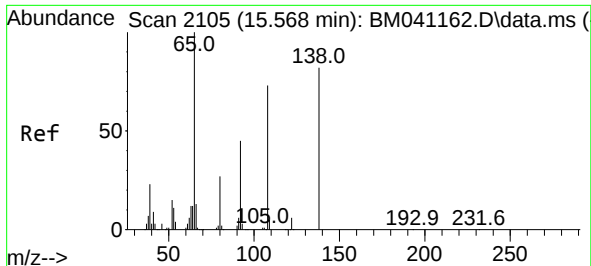
Tgt Ion:172 Resp: 235666
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.9 18.9 28.3



#57
2,4-Dinitrotoluene
Concen: 2.692 ng
RT: 14.863 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:165 Resp: 173
Ion Ratio Lower Upper
165 100
63 169.5 48.3 72.5#
89 95.8 71.8 107.8
182 0.0 2.0 3.0#

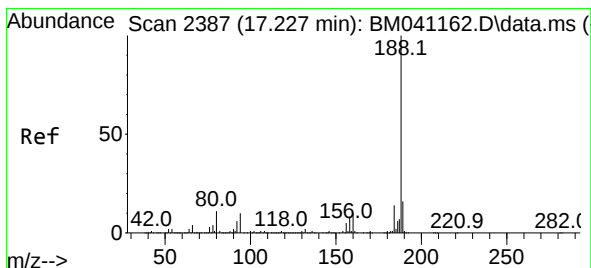
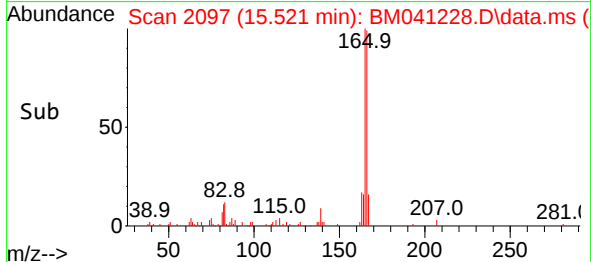
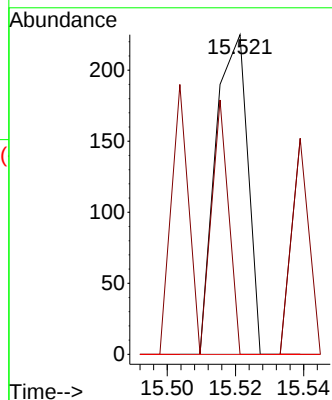
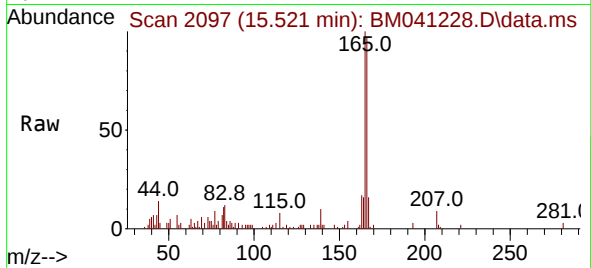




#62
4-Nitroaniline
Concen: 4.172 ng
RT: 15.521 min Scan# 2097
Delta R.T. -0.041 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

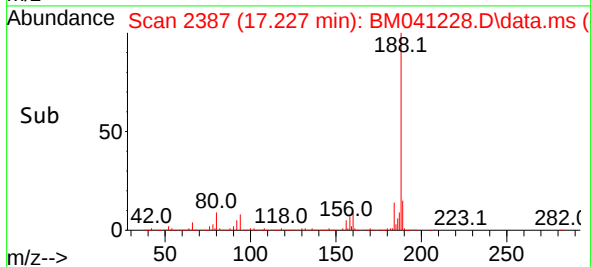
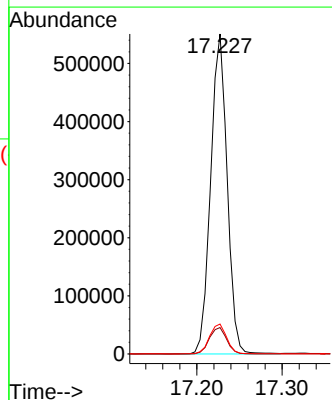
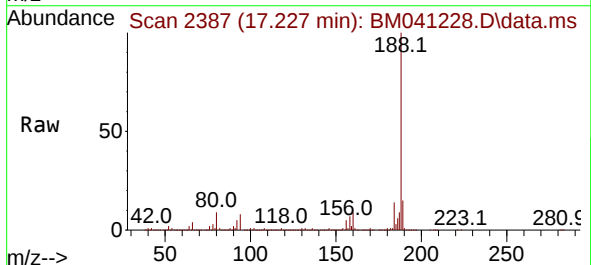
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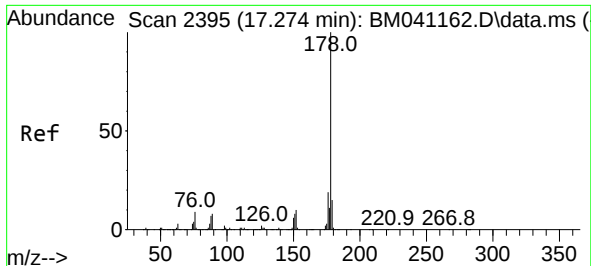
Tgt Ion:138 Resp: 146
Ion Ratio Lower Upper
138 100
92 0.0 35.1 75.1#
108 0.0 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:188 Resp: 740228
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 9.4 8.6 13.0

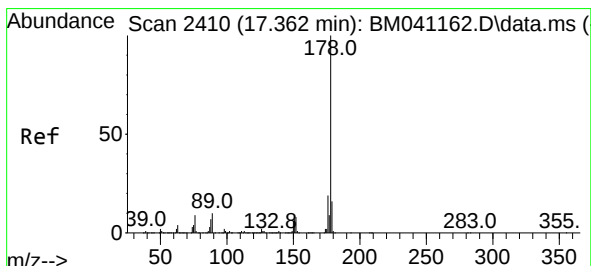
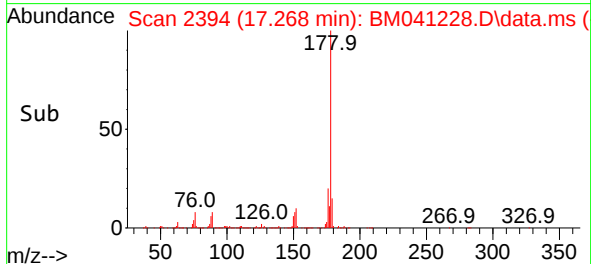
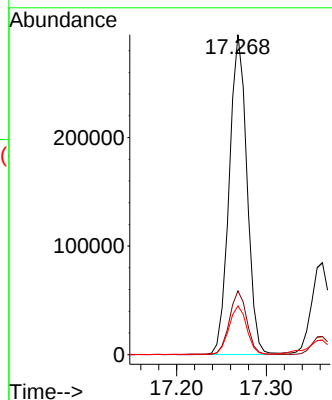
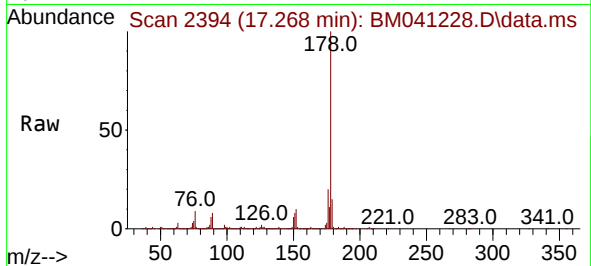




#71
Phenanthrene
Concen: 9.804 ng
RT: 17.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

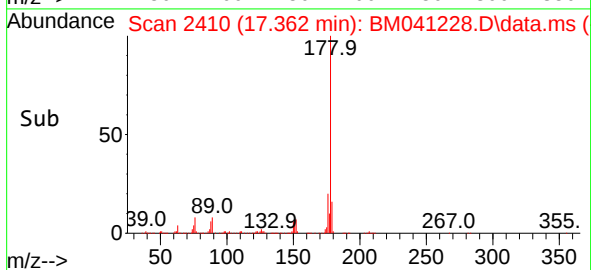
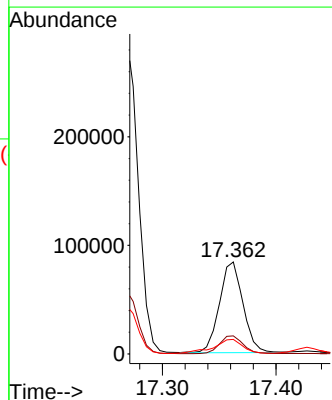
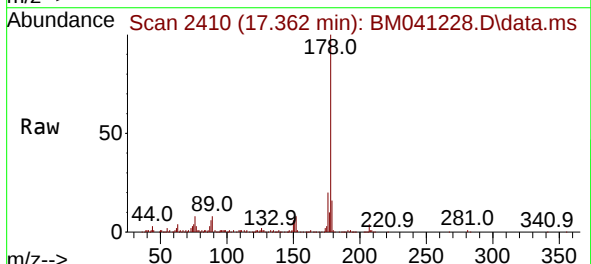
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

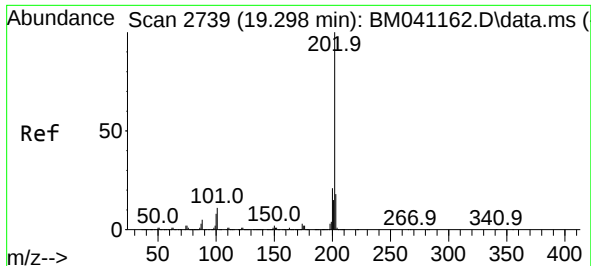
Tgt Ion:178 Resp: 403223
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.2 12.1 18.1



#72
Anthracene
Concen: 2.966 ng
RT: 17.362 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:178 Resp: 120633
Ion Ratio Lower Upper
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176 19.7 15.2 22.8
179 15.9 12.4 18.6

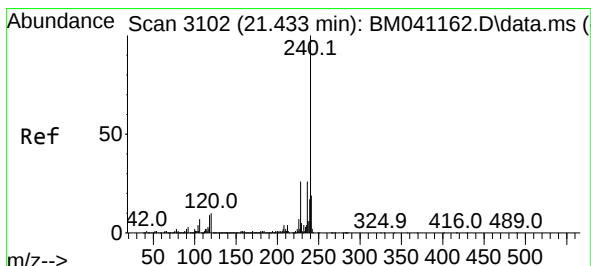
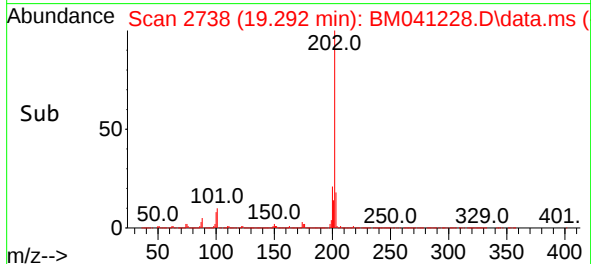
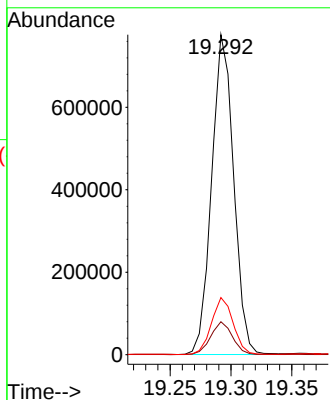
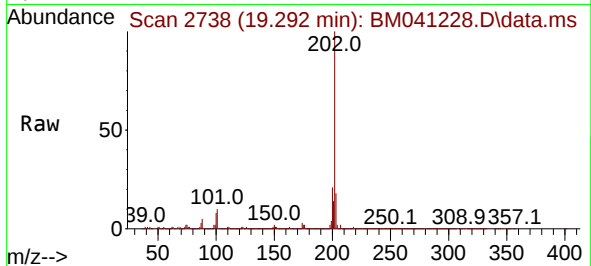




#75
Fluoranthene
Concen: 21.149 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

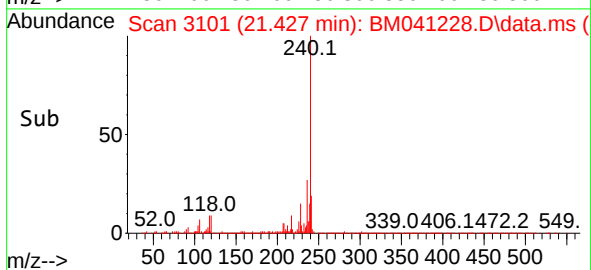
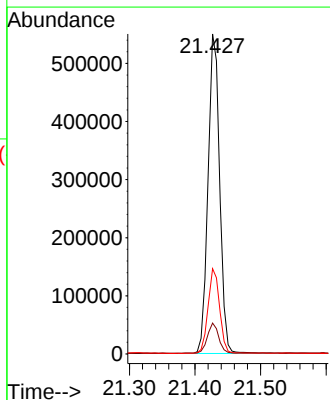
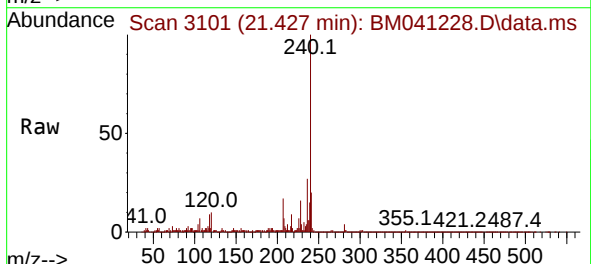
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

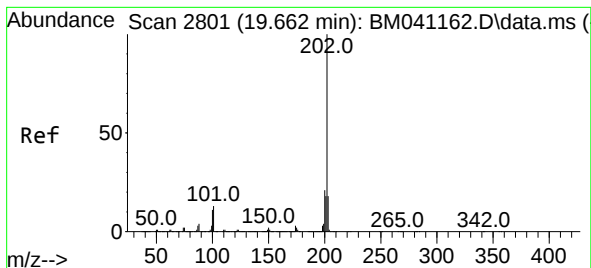
Tgt Ion:202 Resp: 977190
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.8
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:240 Resp: 679941
Ion Ratio Lower Upper
240 100
120 9.7 8.3 12.5
236 26.7 20.6 30.8





#78

Pyrene

Concen: 17.820 ng

RT: 19.656 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

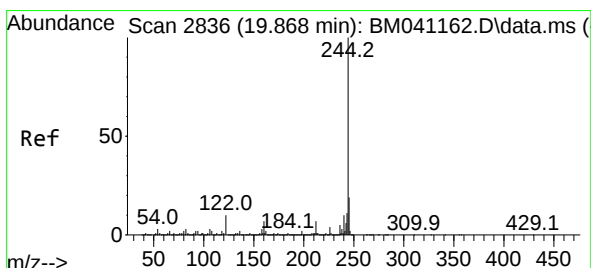
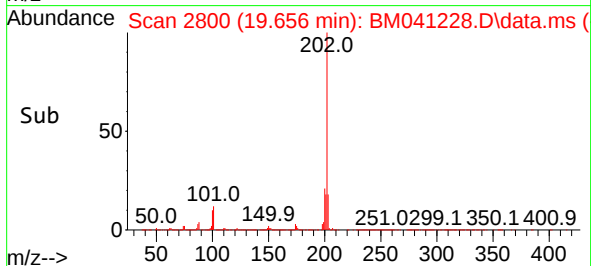
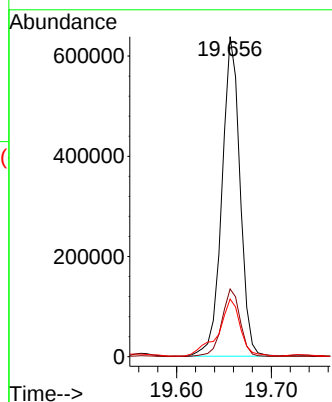
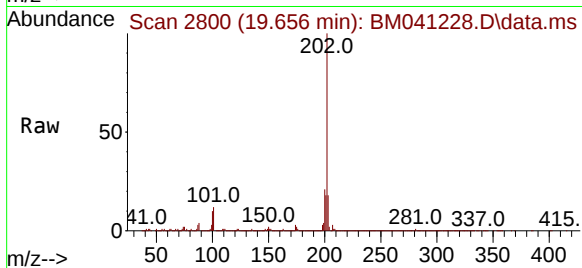
Tgt Ion:202 Resp: 847339

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.1 21.1



#79

Terphenyl-d14

Concen: 9.395 ng

RT: 19.862 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

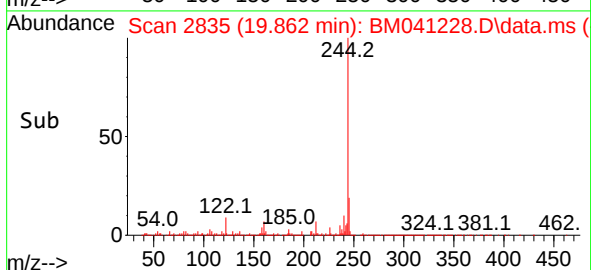
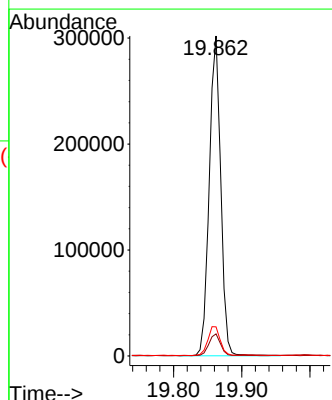
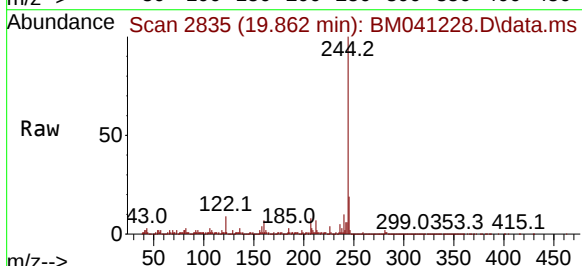
Tgt Ion:244 Resp: 353301

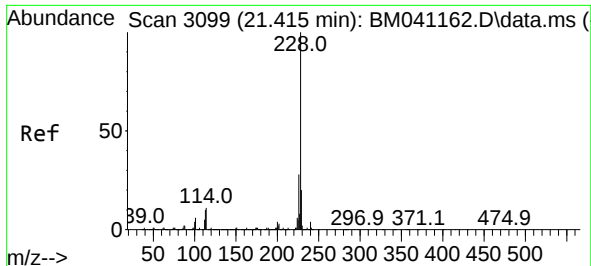
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 9.1 7.8 11.6

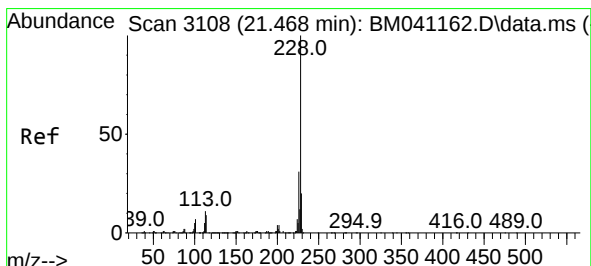
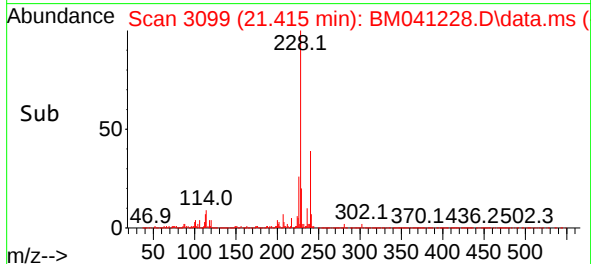
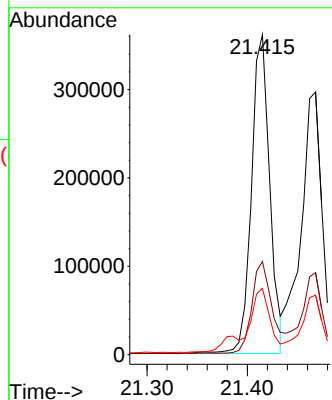
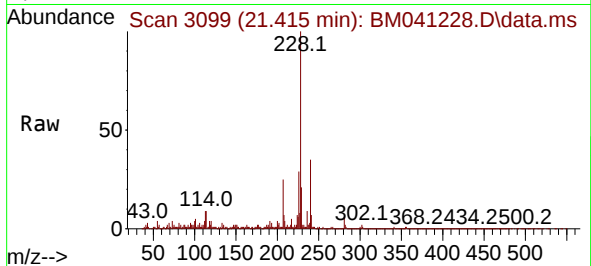




#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.415 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

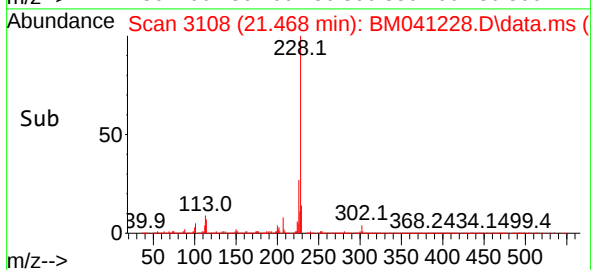
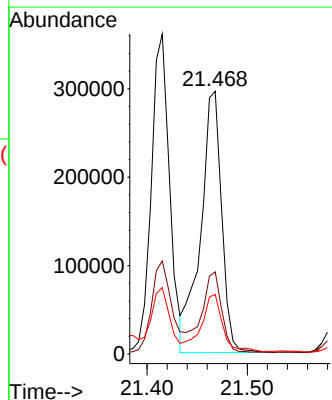
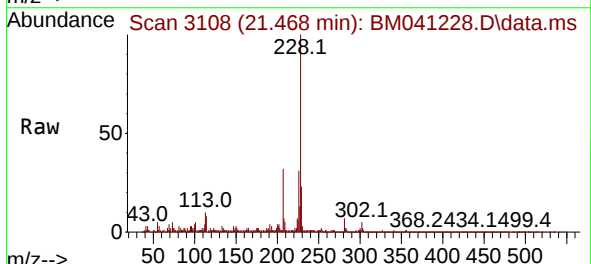
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

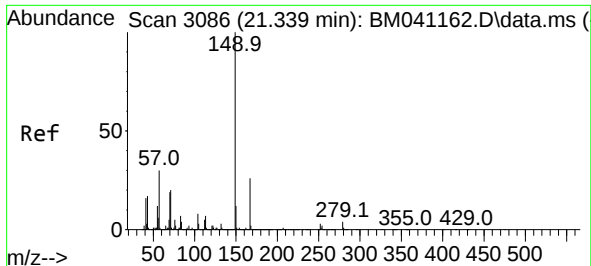
Tgt Ion:228 Resp: 458008
Ion Ratio Lower Upper
228 100
226 29.1 22.4 33.6
229 20.7 15.8 23.8



#83
Chrysene
Concen: 9.715 ng
RT: 21.468 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:228 Resp: 433138
Ion Ratio Lower Upper
228 100
226 31.3 24.5 36.7
229 22.7 15.8 23.8

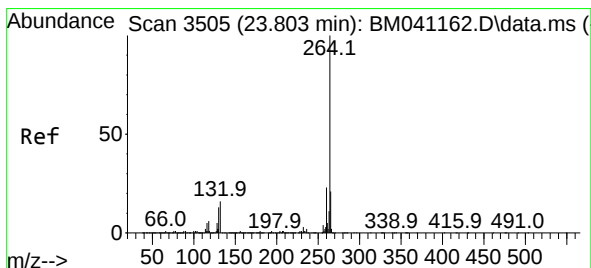
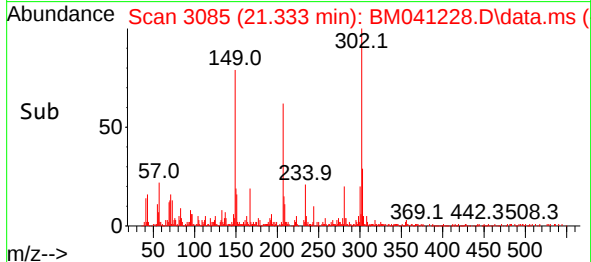
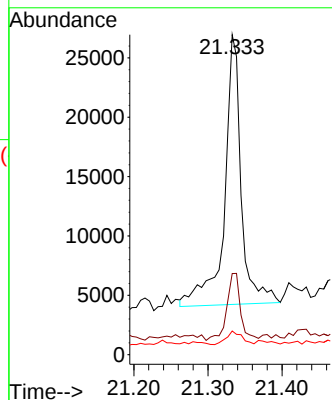
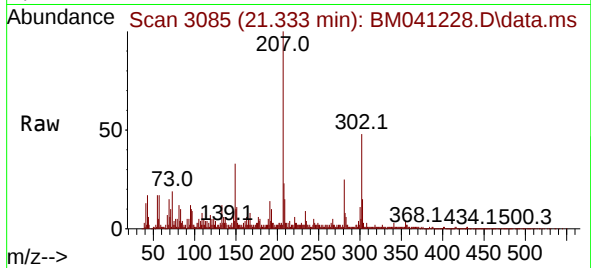




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.766 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

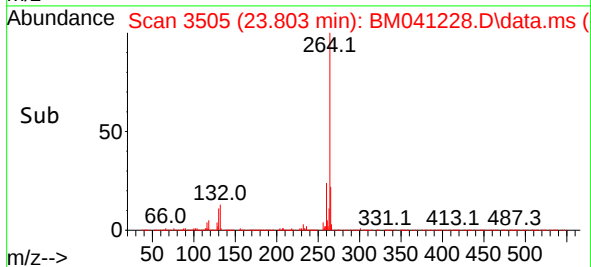
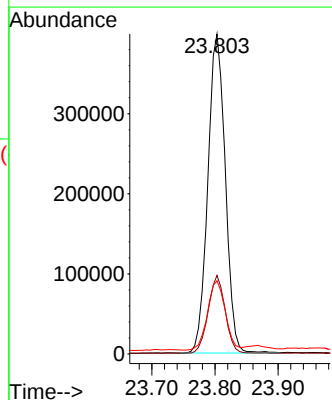
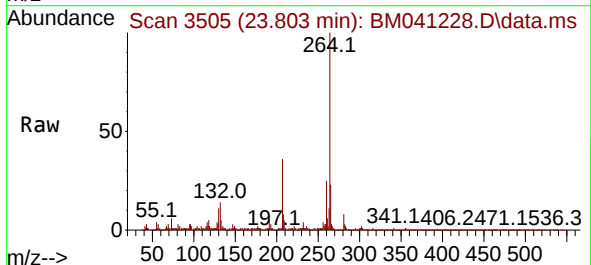
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

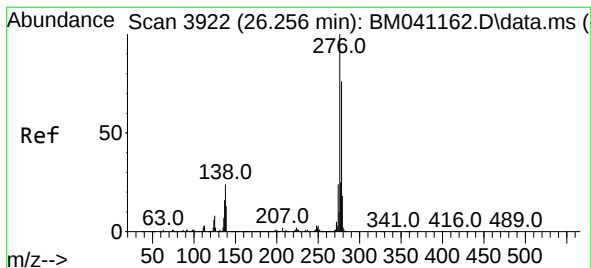
Tgt Ion:149 Resp: 35725
Ion Ratio Lower Upper
149 100
167 25.3 21.0 31.6
279 7.4 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:264 Resp: 766371
Ion Ratio Lower Upper
264 100
260 24.5 18.5 27.7
265 22.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.807 ng

RT: 26.250 min Scan# 3922

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

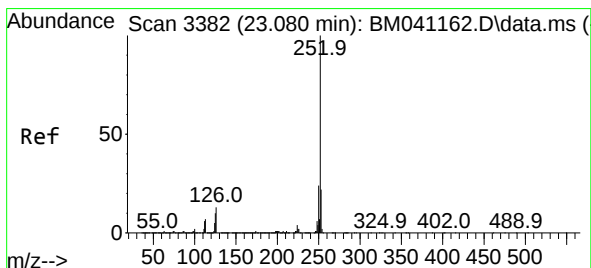
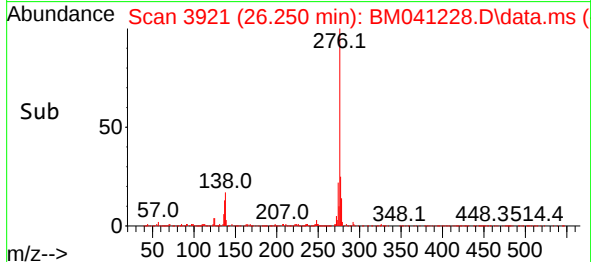
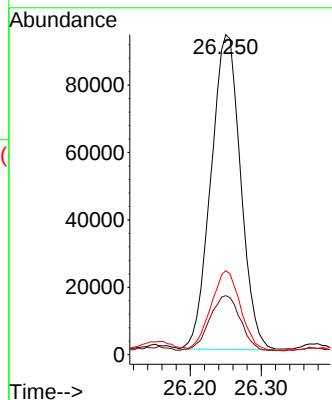
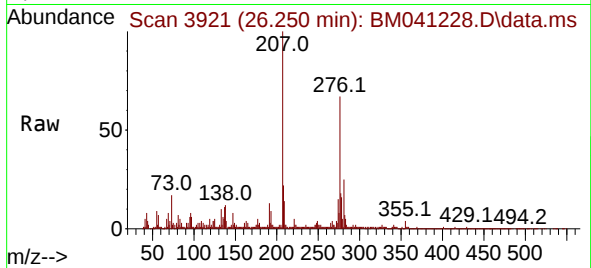
Tgt Ion:276 Resp: 270836

Ion Ratio Lower Upper

276 100

138 18.3 20.0 30.0#

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 13.000 ng

RT: 23.080 min Scan# 3382

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

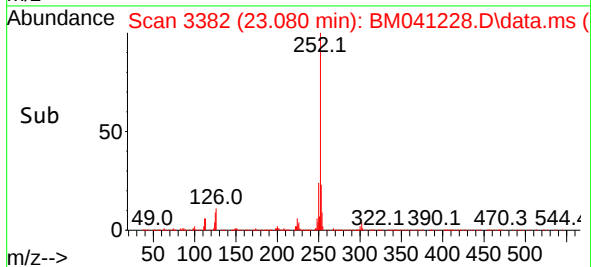
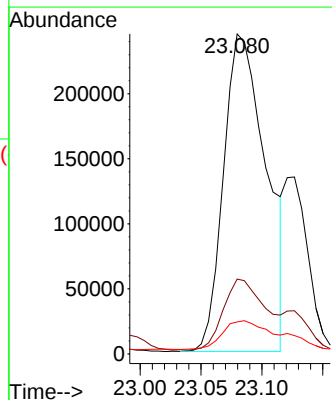
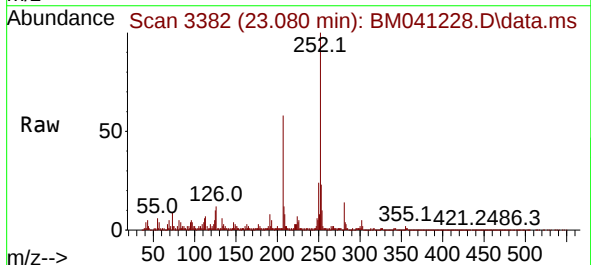
Tgt Ion:252 Resp: 591867

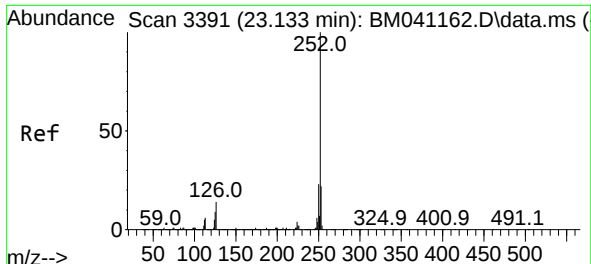
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 10.0 8.2 12.4

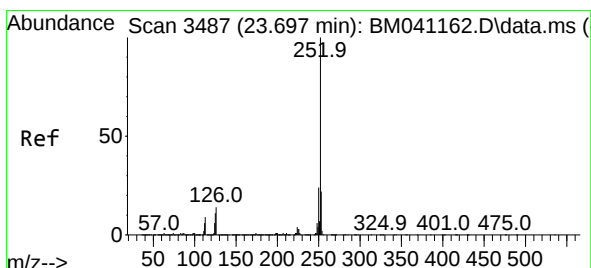
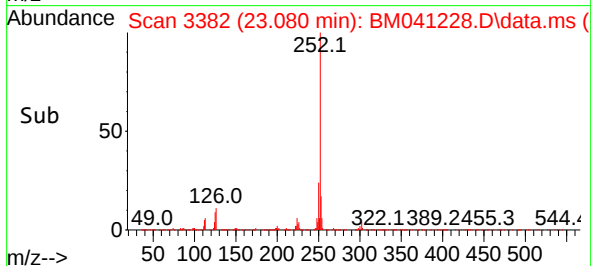
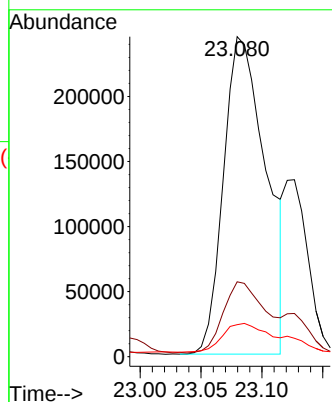
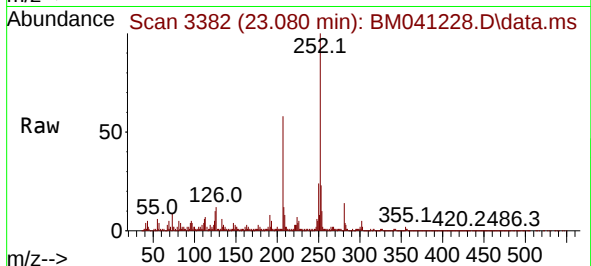




#89
Benzo(k)fluoranthene
Concen: 12.709 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

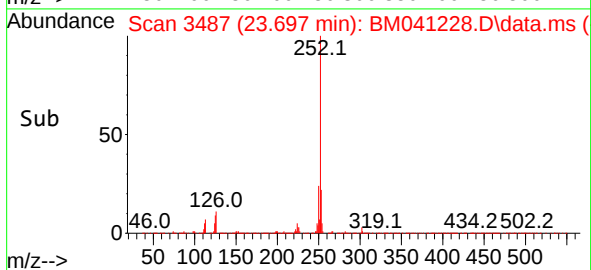
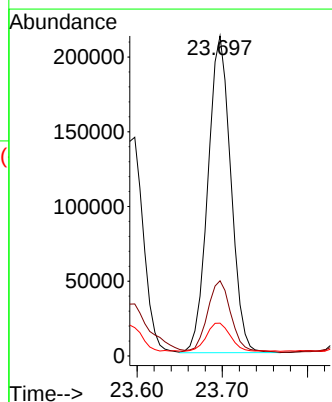
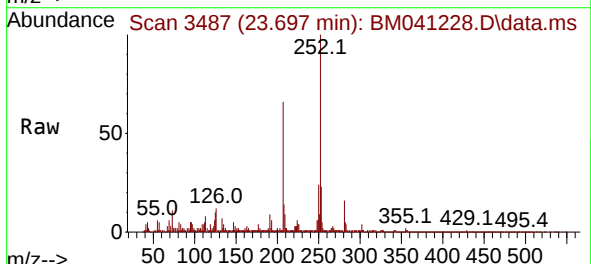
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

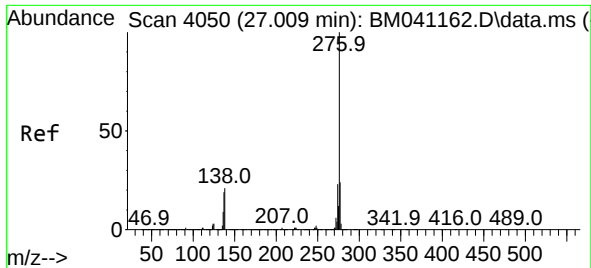
Tgt Ion:252 Resp: 591867
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.0 7.6 11.4



#90
Benzo(a)pyrene
Concen: 9.026 ng
RT: 23.697 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

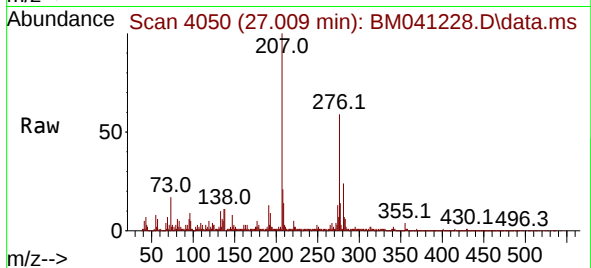
Tgt Ion:252 Resp: 394855
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.3 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.627 ng
 RT: 27.009 min Scan# 4050
 Delta R.T. 0.012 min
 Lab File: BM041228.D
 Acq: 01 Aug 2023 17:09

Instrument :
 BNA_M
 ClientSampleId :
 DEL-2-RPDL



Tgt Ion:	276	Resp:	258773
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	17.7	17.1	25.7

