

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080723\
 Data File : BM041319.D
 Acq On : 07 Aug 2023 19:21
 Operator : MA/JU
 Sample : 03815-02DL2 250X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 02:58:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 17:25:06 2023
 Response via : Initial Calibration

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

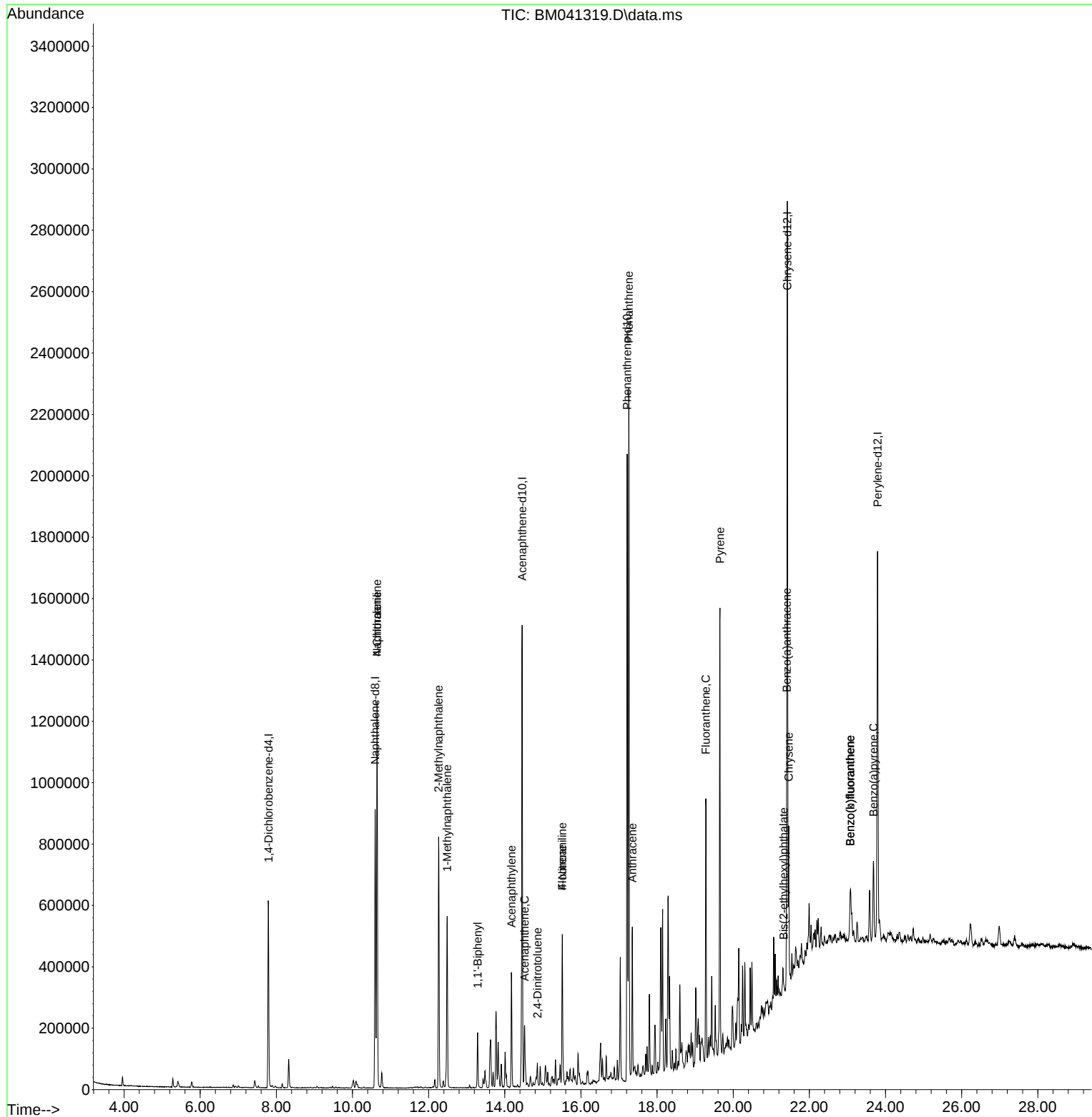
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	161782	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	714692	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	497311	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1160099	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1021002	20.000	ng	0.00
86) Perylene-d12	23.791	264	969647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1221	0.113	ng	0.02
7) Phenol-d6	7.010	99	1109	0.079	ng	0.04
23) Nitrobenzene-d5	8.998	82	1049	0.068	ng	0.04
42) 2,4,6-Tribromophenol	15.968	330	896	0.127	ng	0.01
45) 2-Fluorobiphenyl	13.074	172	4409	0.112	ng	0.00
79) Terphenyl-d14	19.850	244	13875	0.246	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.645	128	960802	24.774	ng	99
33) 4-Chloroaniline	10.645	127	123989	8.000	ng	# 32
37) 2-Methylnaphthalene	12.263	142	367666	14.062	ng	99
38) 1-Methylnaphthalene	12.486	142	251764	10.288	ng	97
46) 1,1'-Biphenyl	13.286	154	92306	2.290	ng	97
49) Acenaphthylene	14.174	152	218290	4.493	ng	98
52) Acenaphthene	14.521	154	69153	2.362	ng	98
57) 2,4-Dinitrotoluene	14.857	165	973	2.753	ng	# 48
58) Fluorene	15.509	166	216575	5.748	ng	98
62) 4-Nitroaniline	15.509	138	2427	4.416	ng	# 13
71) Phenanthrene	17.256	178	1260094	19.550	ng	100
72) Anthracene	17.351	178	294253	4.616	ng	100
75) Fluoranthene	19.280	202	467601	6.457	ng	98
78) Pyrene	19.650	202	854786	11.972	ng	100
81) Benzo(a)anthracene	21.403	228	291613	4.213	ng	98
83) Chrysene	21.456	228	263891	3.942	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	1562	2.575	ng	# 93
88) Benzo(b)fluoranthene	23.074	252	222372	3.860	ng	98
89) Benzo(k)fluoranthene	23.074	252	222372	3.774	ng	97
90) Benzo(a)pyrene	23.685	252	197286	3.564	ng	96

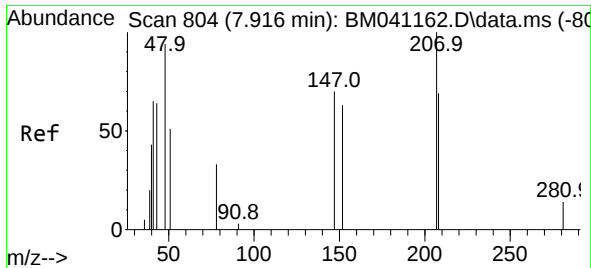
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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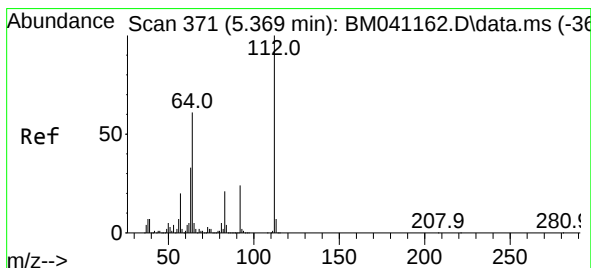
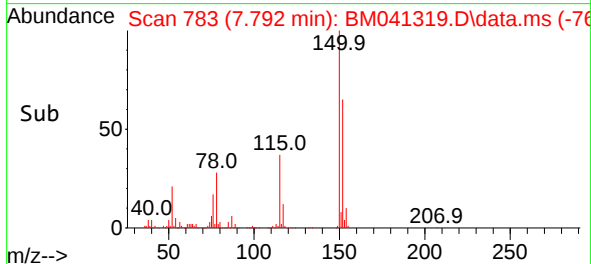
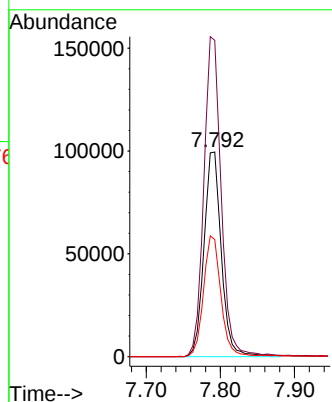
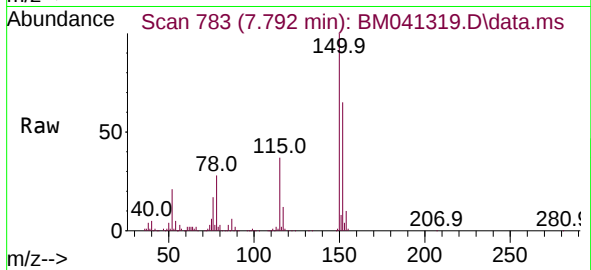




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 783
Delta R.T. 0.005 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

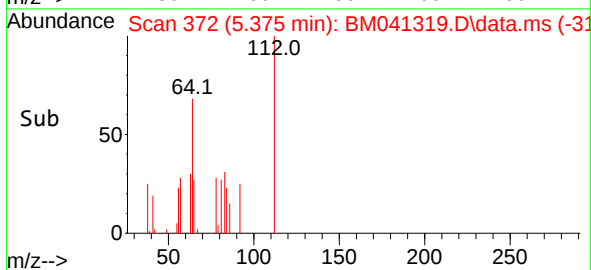
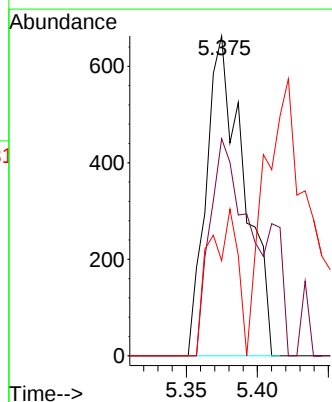
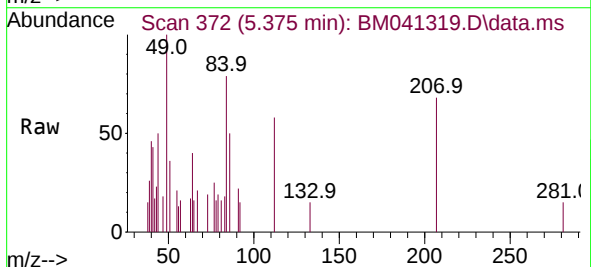
Instrument :
BNA_M
ClientSampleId :

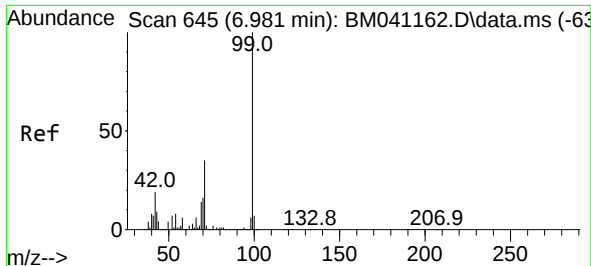
Tgt Ion:152 Resp: 161782
Ion Ratio Lower Upper
152 100
150 154.6 125.5 188.3
115 57.3 48.0 72.0



#5
2-Fluorophenol
Concen: 0.113 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.018 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:112 Resp: 1221
Ion Ratio Lower Upper
112 100
64 67.9 48.5 72.7
63 29.7 26.5 39.7

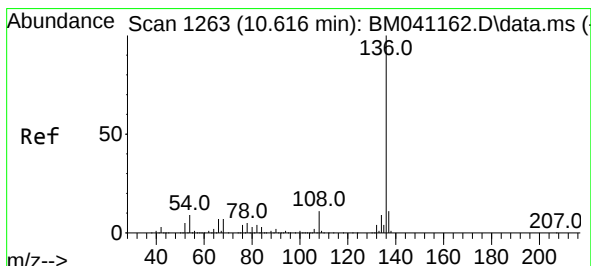
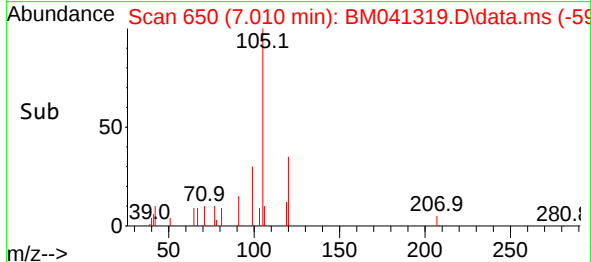
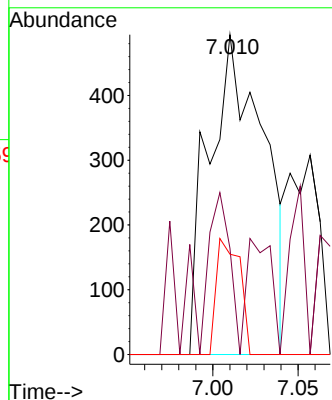
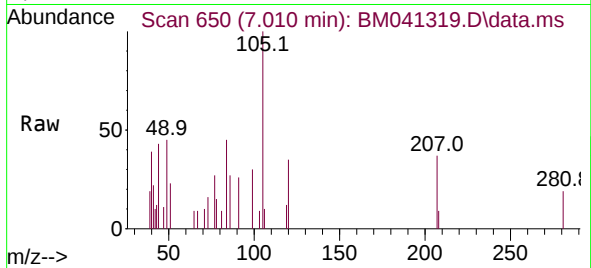




#7
Phenol-d6
Concen: 0.079 ng
RT: 7.010 min Scan# 61
Delta R.T. 0.041 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

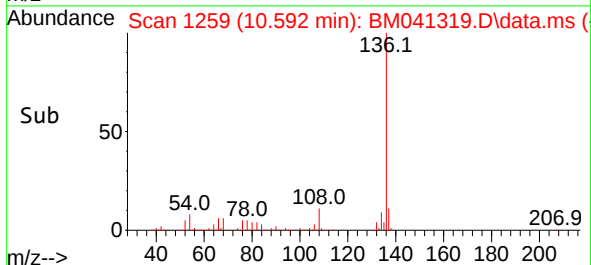
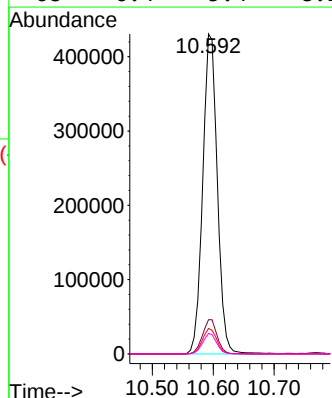
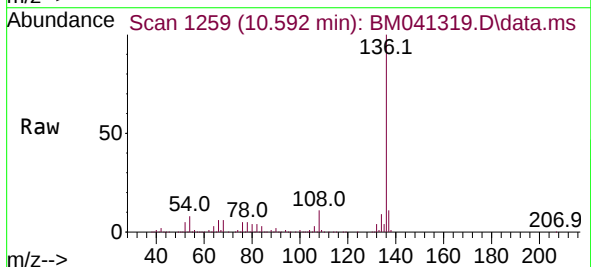
Instrument :
BNA_M
ClientSampleId :

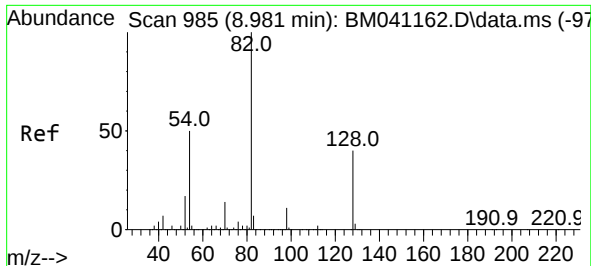
Tgt Ion: 99 Resp: 1109
Ion Ratio Lower Upper
99 100
42 33.2 15.4 23.0#
71 31.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1259
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion: 136 Resp: 714692
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 6.9 10.3
68 6.4 5.4 8.2

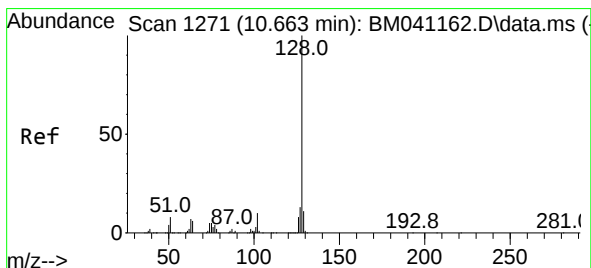
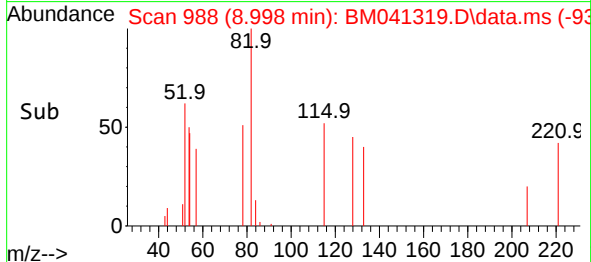
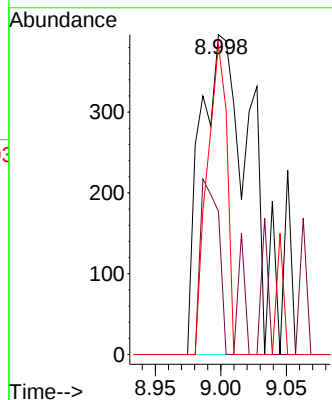
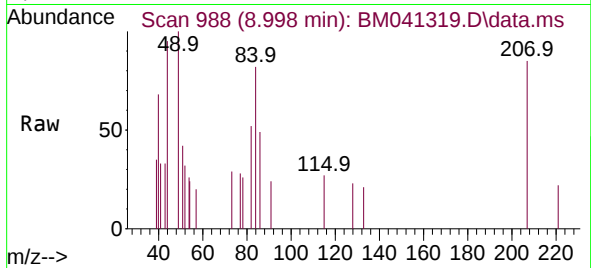




#23
Nitrobenzene-d5
Concen: 0.068 ng
RT: 8.998 min Scan# 985
Delta R.T. 0.035 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

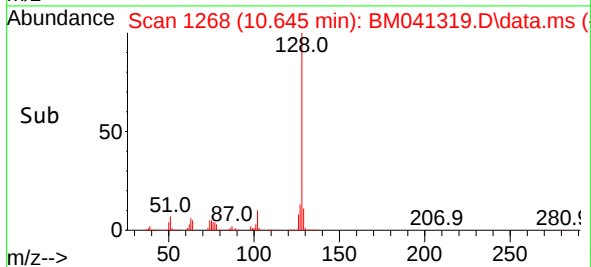
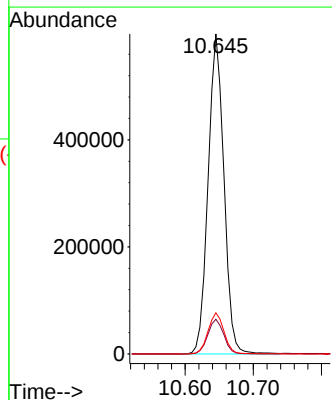
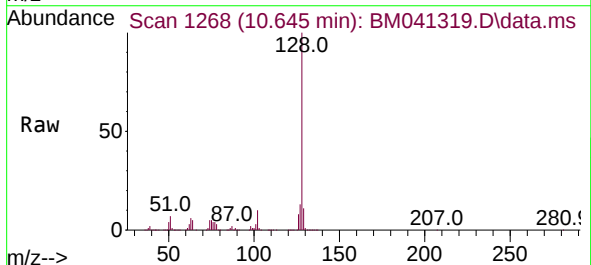
Instrument :
BNA_M
ClientSampleId :

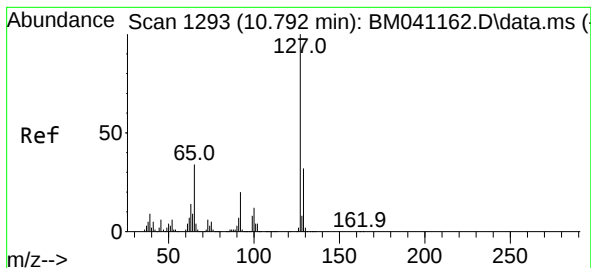
Tgt Ion: 82 Resp: 1049
Ion Ratio Lower Upper
82 100
128 44.7 31.8 47.6
54 97.0 40.1 60.1#



#31
Naphthalene
Concen: 24.774 ng
RT: 10.645 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion: 128 Resp: 960802
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.8 10.5 15.7





#33

4-Chloroaniline

Concen: 8.000 ng

RT: 10.645 min Scan# 11

Delta R.T. -0.124 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:127 Resp: 123989

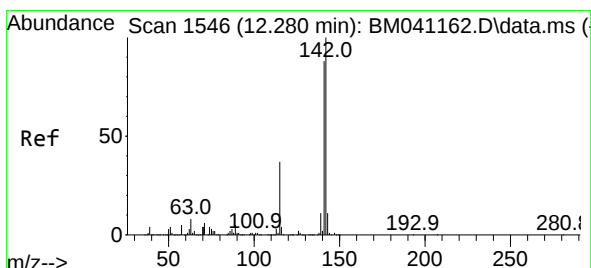
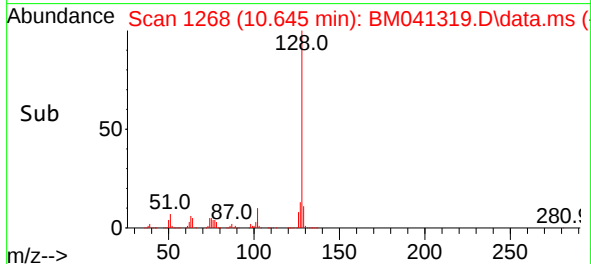
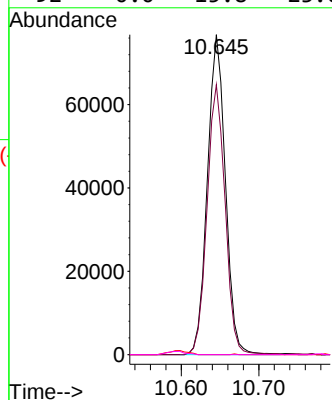
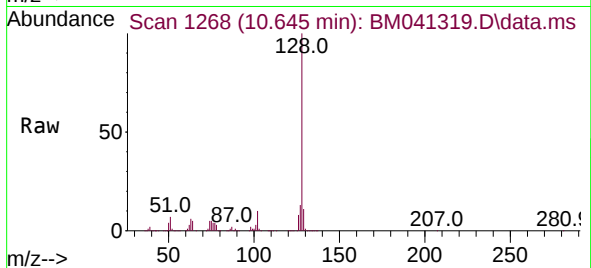
Ion Ratio Lower Upper

127 100

129 84.3 25.9 38.9#

65 0.0 26.9 40.3#

92 0.0 15.8 23.6#



#37

2-Methylnaphthalene

Concen: 14.062 ng

RT: 12.263 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

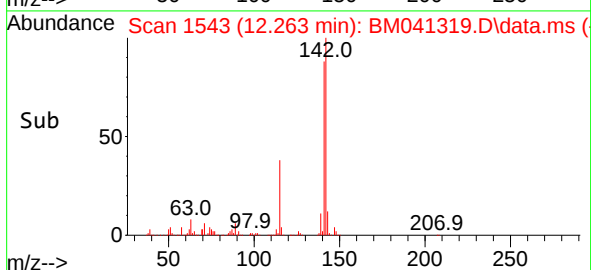
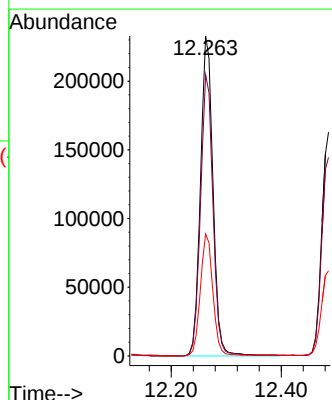
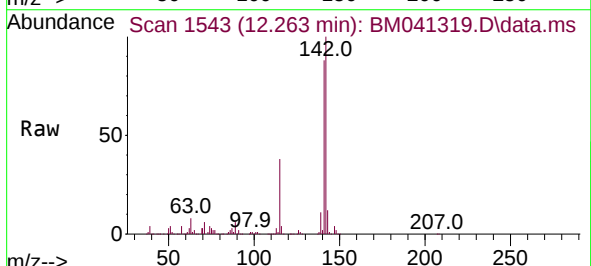
Tgt Ion:142 Resp: 367666

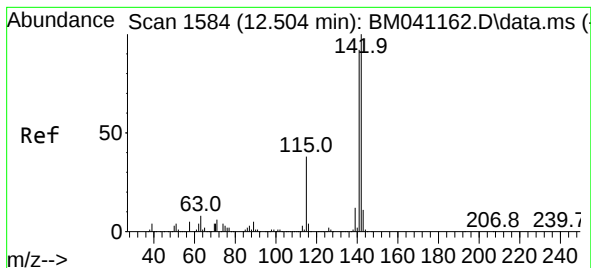
Ion Ratio Lower Upper

142 100

141 87.8 70.7 106.1

115 38.1 29.3 43.9





#38

1-Methylnaphthalene

Concen: 10.288 ng

RT: 12.486 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

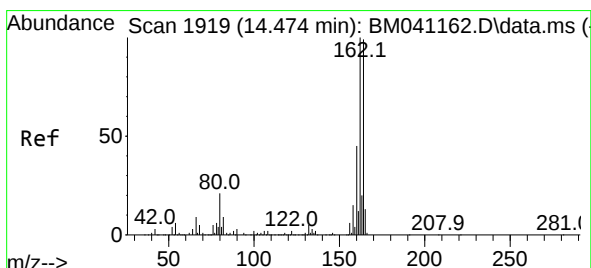
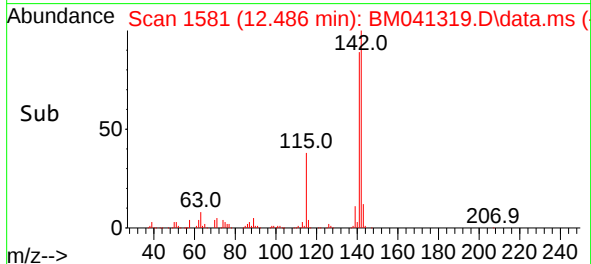
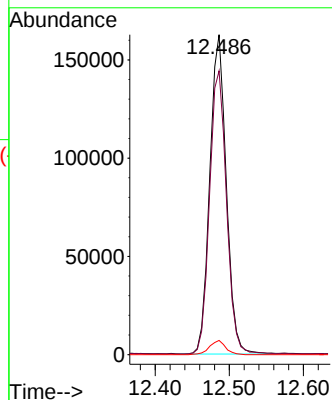
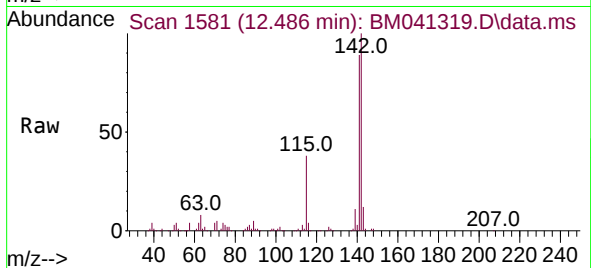
Tgt Ion:142 Resp: 251764

Ion Ratio Lower Upper

142 100

141 88.7 73.4 110.2

116 4.4 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1916

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

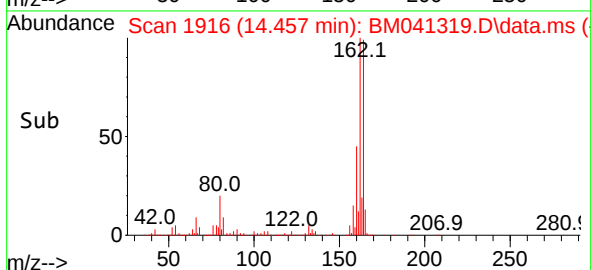
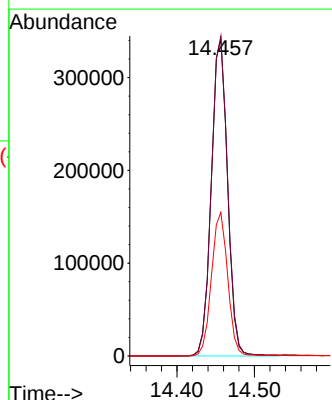
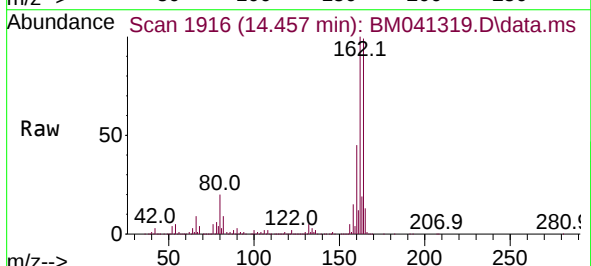
Tgt Ion:164 Resp: 497311

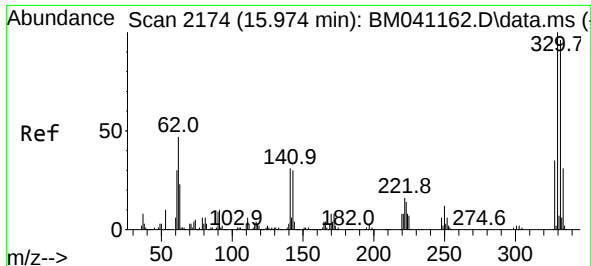
Ion Ratio Lower Upper

164 100

162 100.9 80.4 120.6

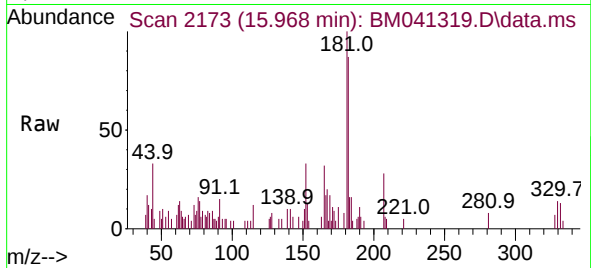
160 45.2 36.2 54.2



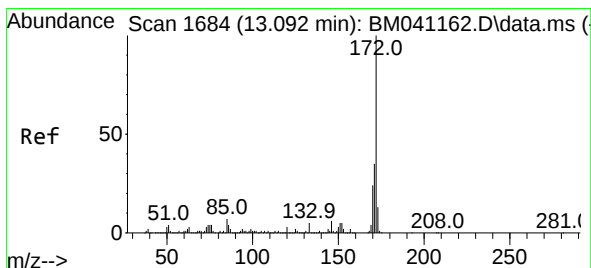
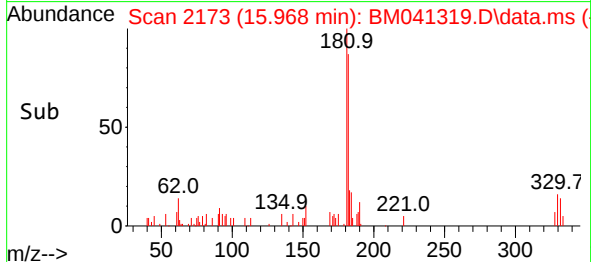
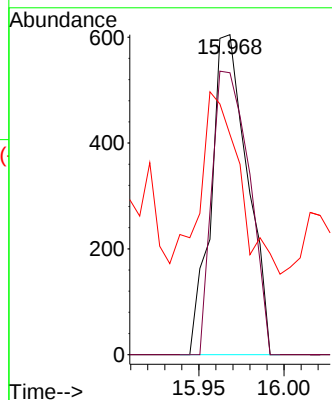


#42
2,4,6-Tribromophenol
Concen: 0.127 ng
RT: 15.968 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Instrument :
BNA_M
ClientSampleId :

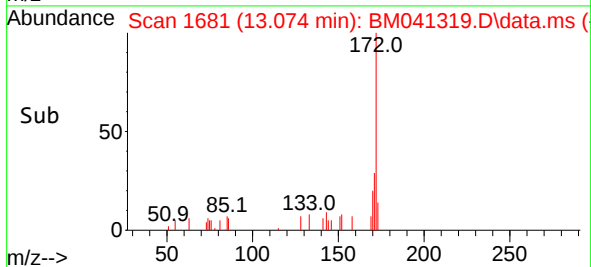
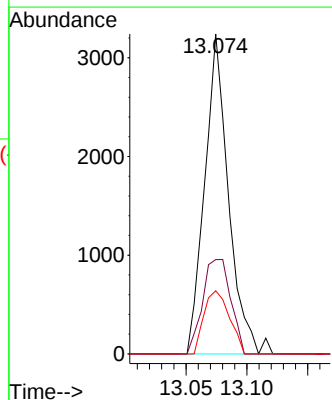
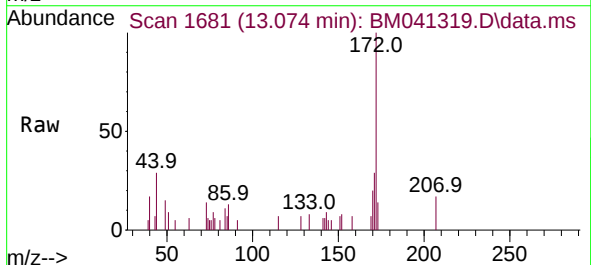


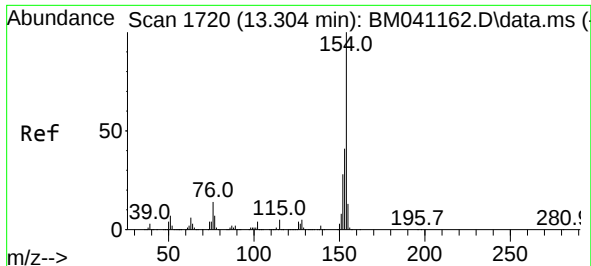
Tgt Ion:330 Resp: 896
Ion Ratio Lower Upper
330 100
332 90.8 77.7 116.5
141 104.8 28.3 42.5#



#45
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.074 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:172 Resp: 4409
Ion Ratio Lower Upper
172 100
171 29.5 28.1 42.1
170 19.7 18.9 28.3





#46

1,1'-Biphenyl

Concen: 2.290 ng

RT: 13.286 min Scan# 1

Delta R.T. 0.006 min

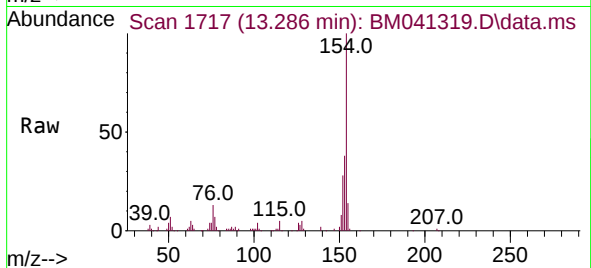
Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :



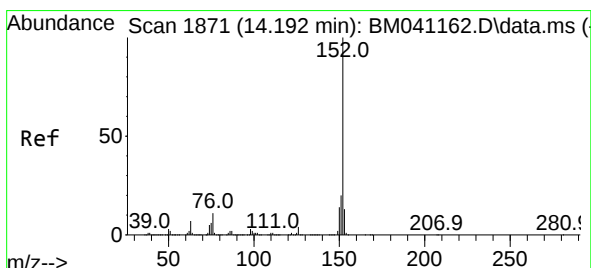
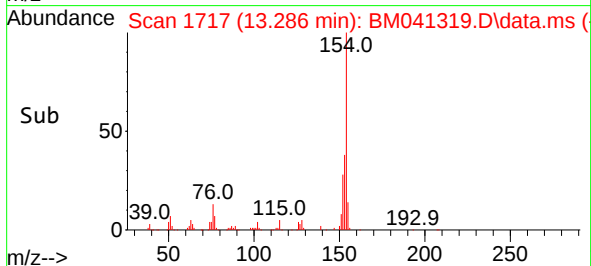
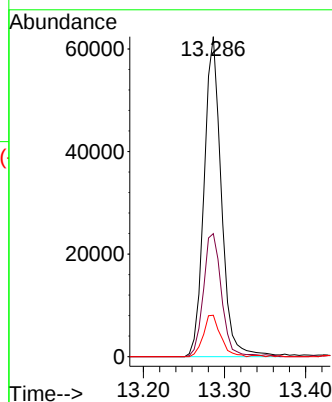
Tgt Ion:154 Resp: 92306

Ion Ratio Lower Upper

154 100

153 38.4 20.5 60.5

76 12.9 0.0 34.1



#49

Acenaphthylene

Concen: 4.493 ng

RT: 14.174 min Scan# 1868

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

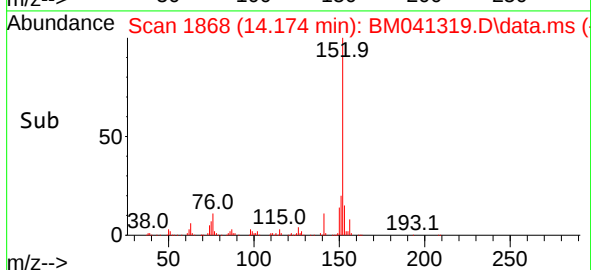
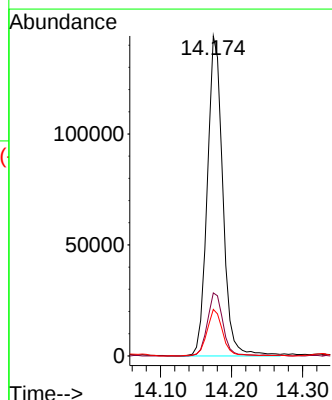
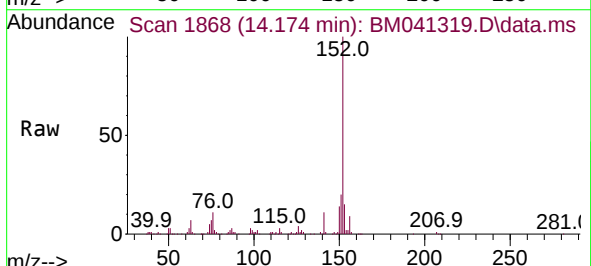
Tgt Ion:152 Resp: 218290

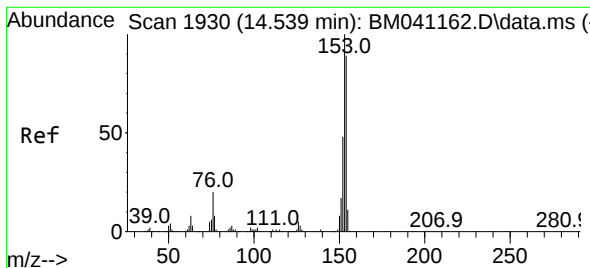
Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 14.5 10.5 15.7





#52

Acenaphthene

Concen: 2.362 ng

RT: 14.521 min Scan# 1930

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

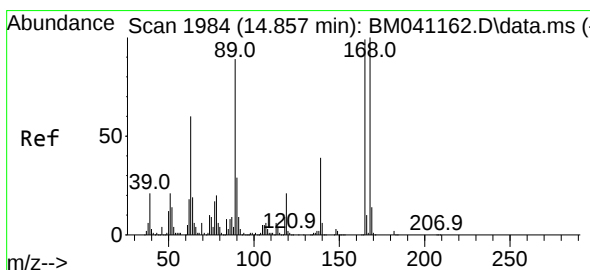
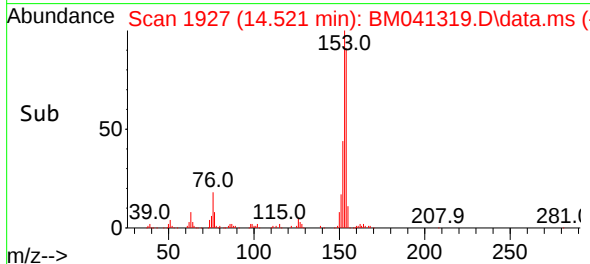
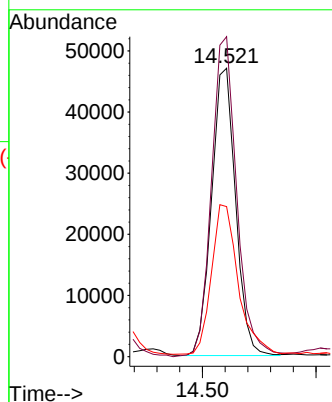
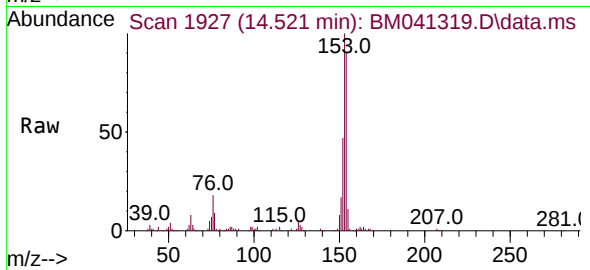
Tgt Ion:154 Resp: 69153

Ion Ratio Lower Upper

154 100

153 110.9 90.2 135.4

152 52.0 43.4 65.0



#57

2,4-Dinitrotoluene

Concen: 2.753 ng

RT: 14.857 min Scan# 1984

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Tgt Ion:165 Resp: 973

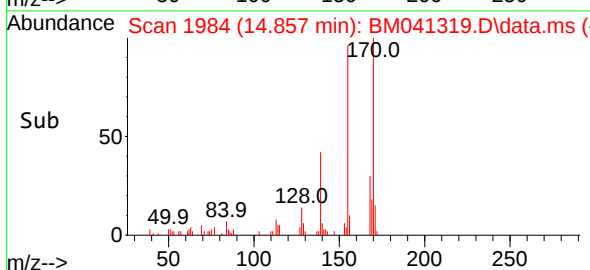
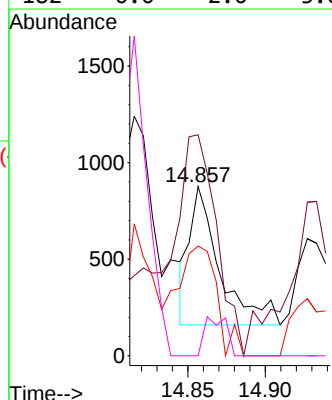
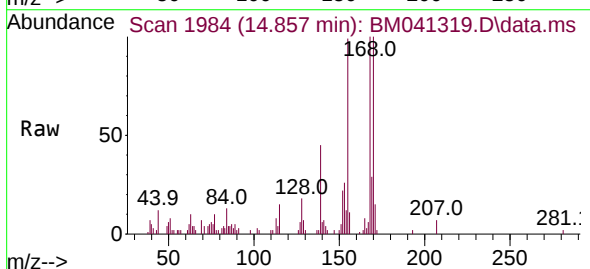
Ion Ratio Lower Upper

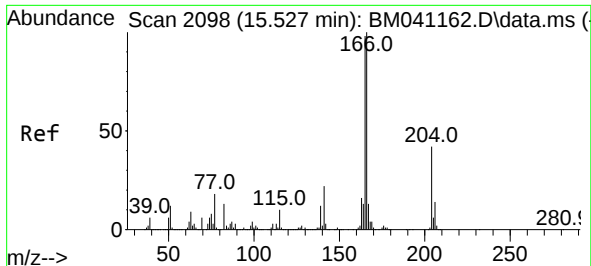
165 100

63 130.6 48.3 72.5#

89 64.8 71.8 107.8#

182 0.0 2.0 3.0#

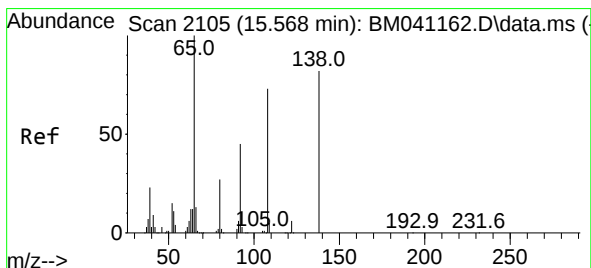
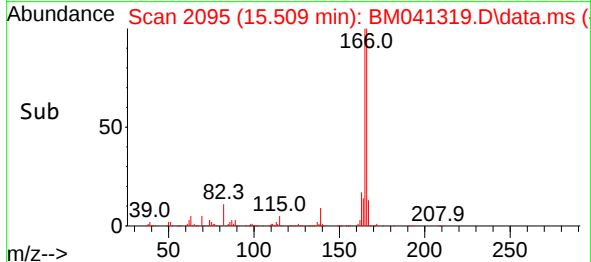
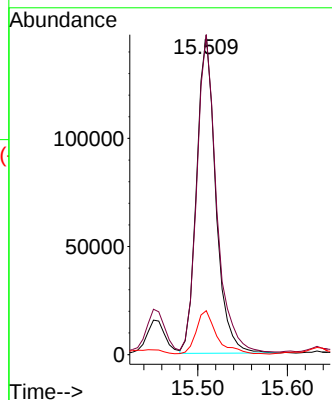
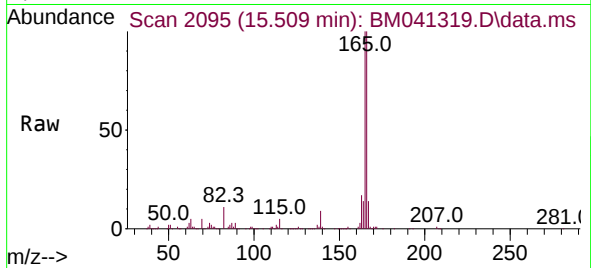




#58
Fluorene
Concen: 5.748 ng
RT: 15.509 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

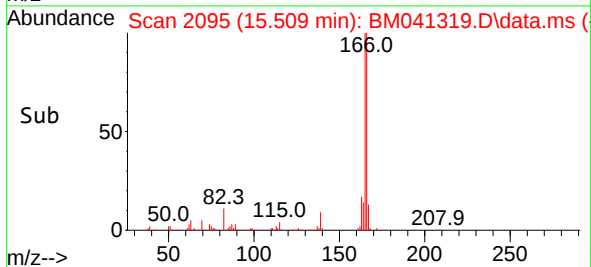
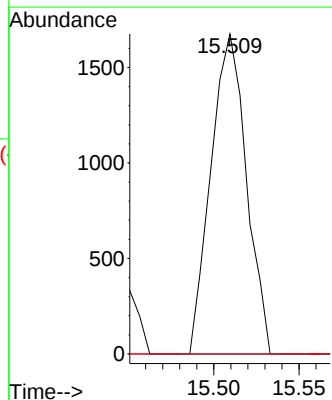
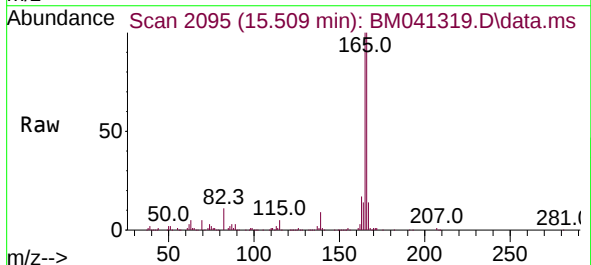
Instrument :
BNA_M
ClientSampleId :

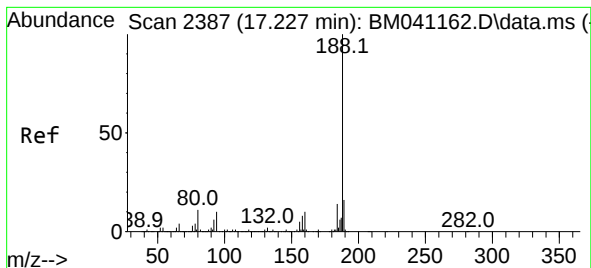
Tgt Ion:166 Resp: 216575
Ion Ratio Lower Upper
166 100
165 100.1 78.2 117.4
167 13.7 10.6 16.0



#62
4-Nitroaniline
Concen: 4.416 ng
RT: 15.509 min Scan# 2095
Delta R.T. -0.047 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:138 Resp: 2427
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: 17.215 min Scan# 2385

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

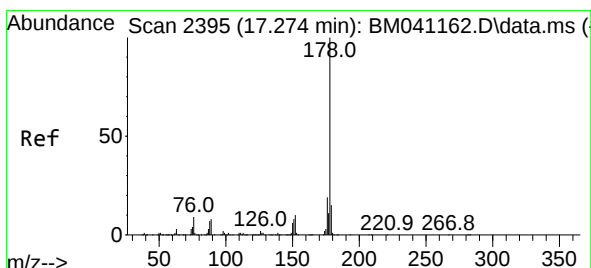
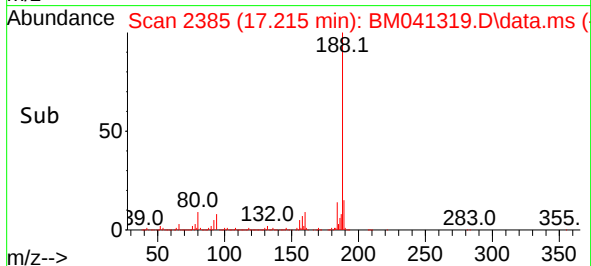
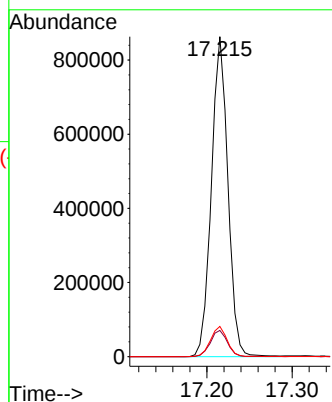
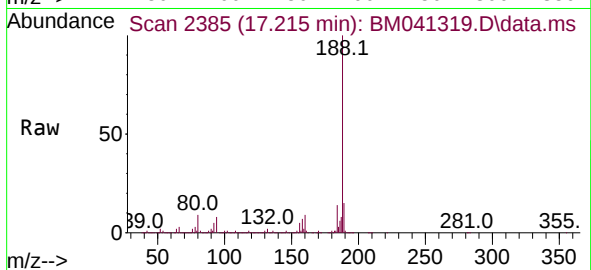
Tgt Ion:188 Resp: 1160099

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

80 9.4 8.6 13.0



#71

Phenanthrene

Concen: 19.550 ng

RT: 17.256 min Scan# 2392

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

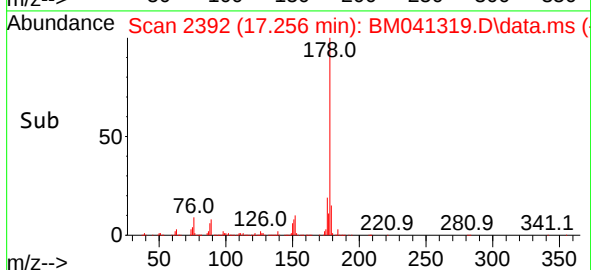
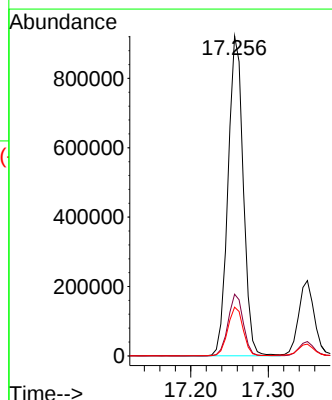
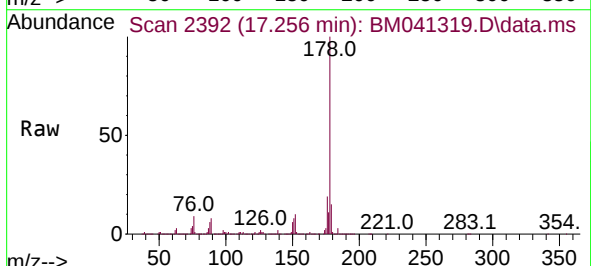
Tgt Ion:178 Resp: 1260094

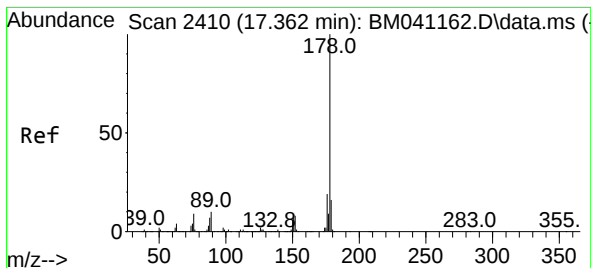
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.2 12.1 18.1





#72

Anthracene

Concen: 4.616 ng

RT: 17.351 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

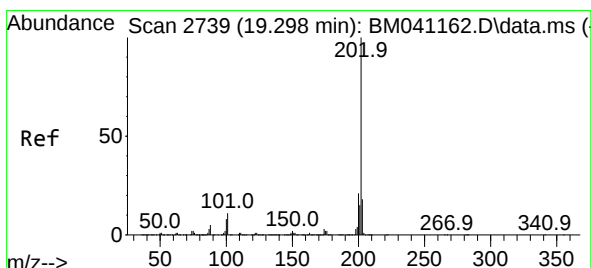
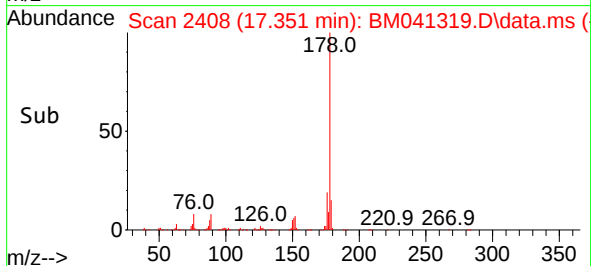
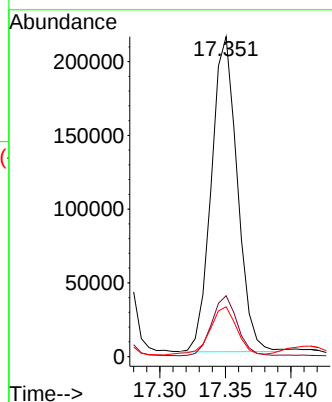
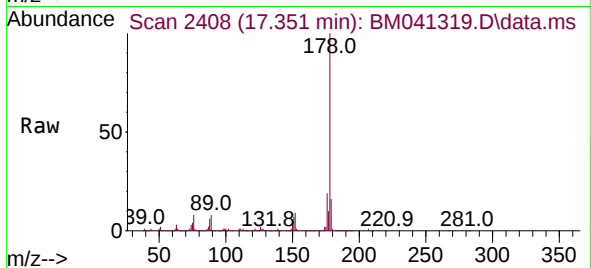
Tgt Ion:178 Resp: 294253

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.6 12.4 18.6



#75

Fluoranthene

Concen: 6.457 ng

RT: 19.280 min Scan# 2736

Delta R.T. -0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

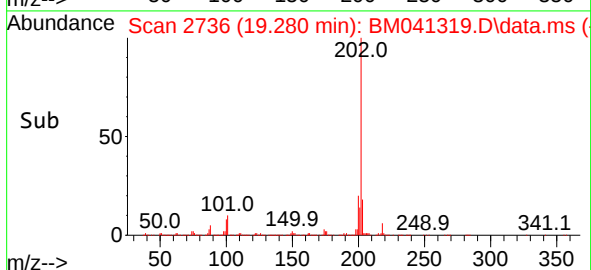
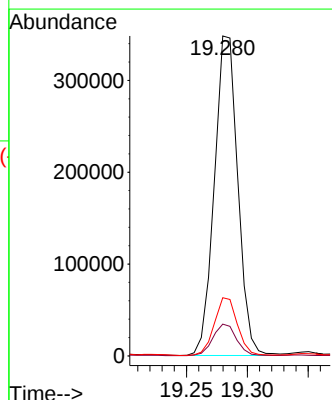
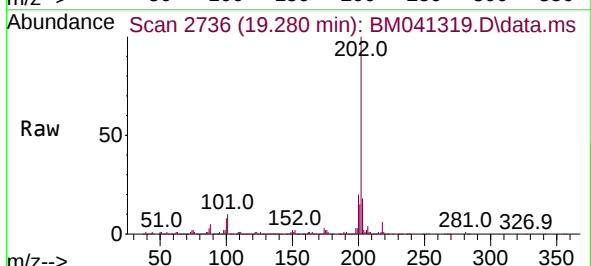
Tgt Ion:202 Resp: 467601

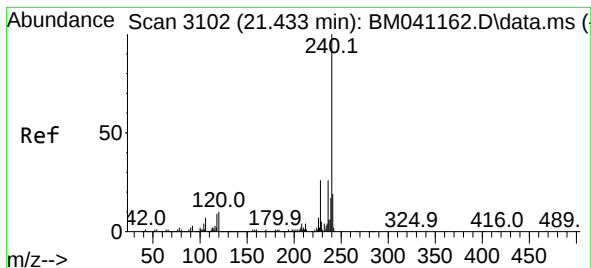
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.8

203 18.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

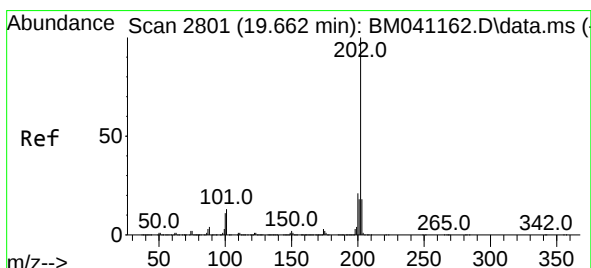
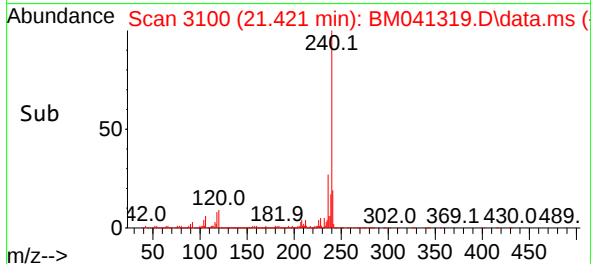
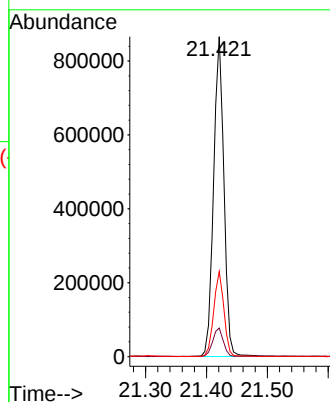
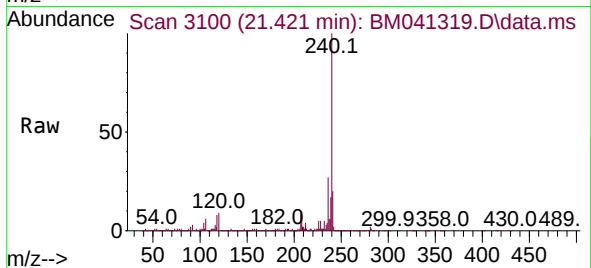
Tgt Ion:240 Resp: 1021002

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

236 26.6 20.6 30.8



#78

Pyrene

Concen: 11.972 ng

RT: 19.650 min Scan# 2799

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

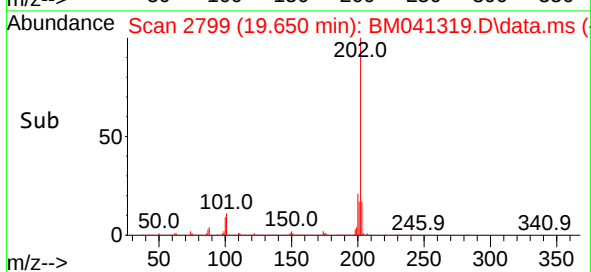
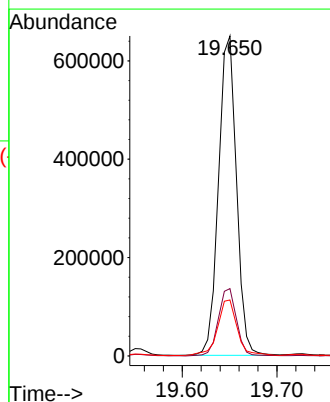
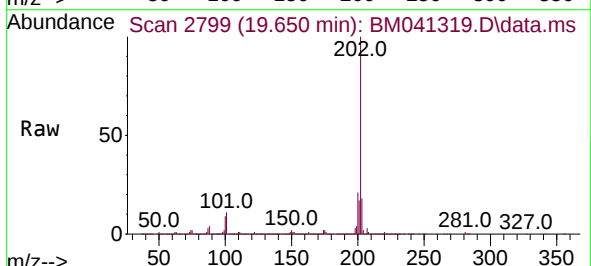
Tgt Ion:202 Resp: 854786

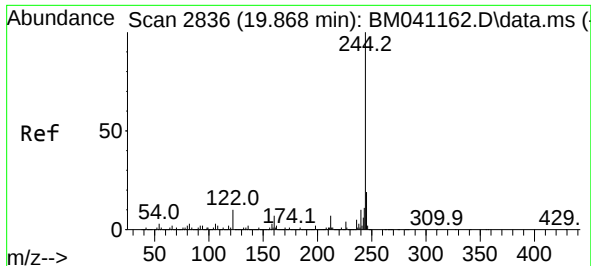
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

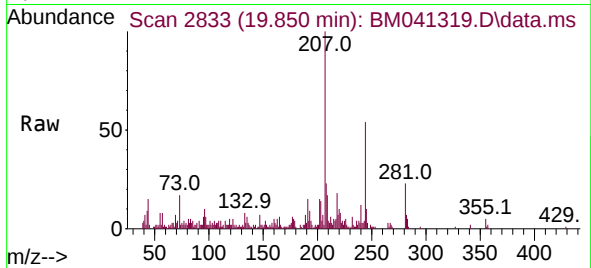
203 17.5 14.1 21.1



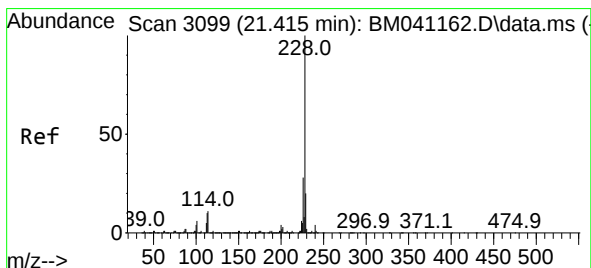
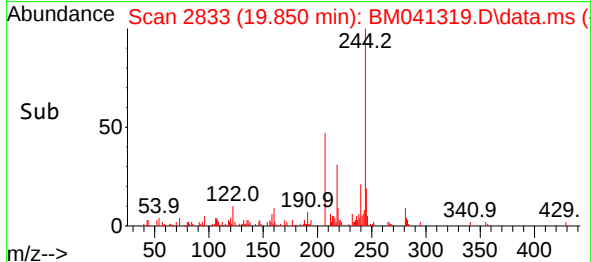
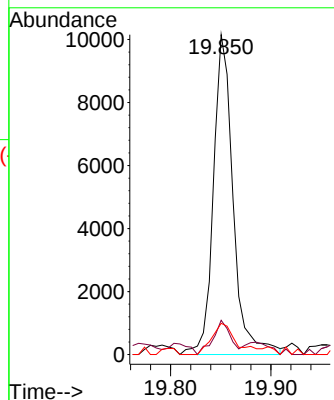


#79
 Terphenyl-d14
 Concen: 0.246 ng
 RT: 19.850 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM041319.D
 Acq: 07 Aug 2023 19:21

Instrument :
 BNA_M
 ClientSampleId :

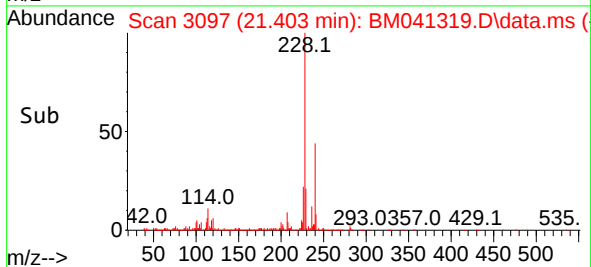
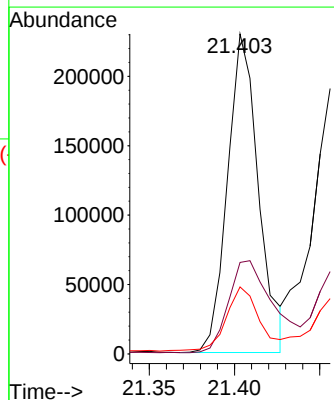
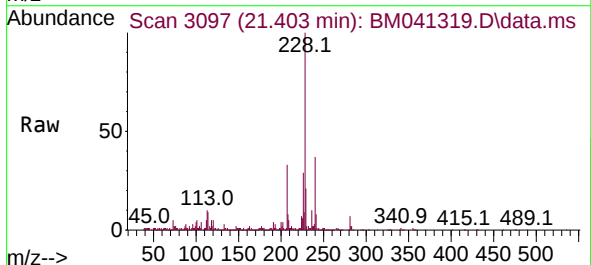


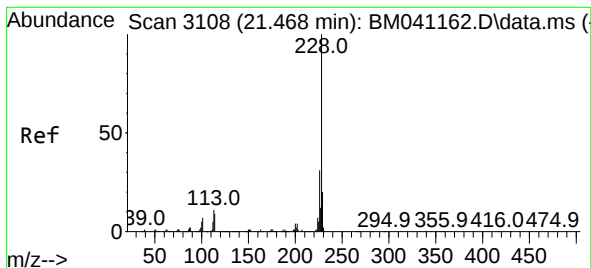
Tgt Ion:244 Resp: 13875
 Ion Ratio Lower Upper
 244 100
 212 10.7 5.4 8.2#
 122 9.8 7.8 11.6



#81
 Benzo(a)anthracene
 Concen: 4.213 ng
 RT: 21.403 min Scan# 3097
 Delta R.T. -0.000 min
 Lab File: BM041319.D
 Acq: 07 Aug 2023 19:21

Tgt Ion:228 Resp: 291613
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.4 33.6
 229 20.9 15.8 23.8





#83

Chrysene

Concen: 3.942 ng

RT: 21.456 min Scan# 3108

Delta R.T. -0.000 min

Lab File: BM041319.D

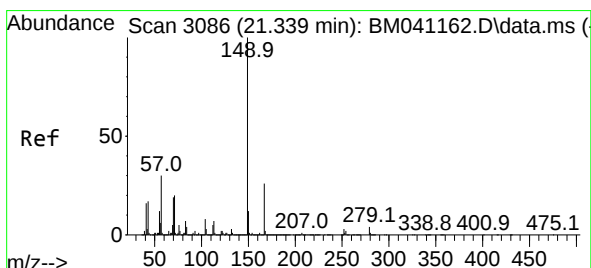
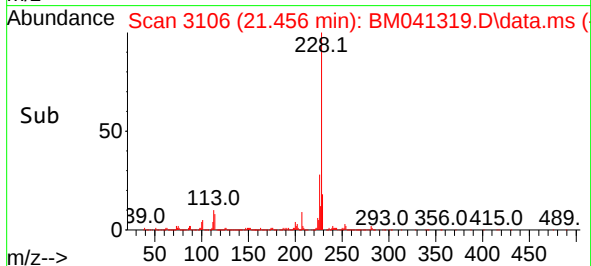
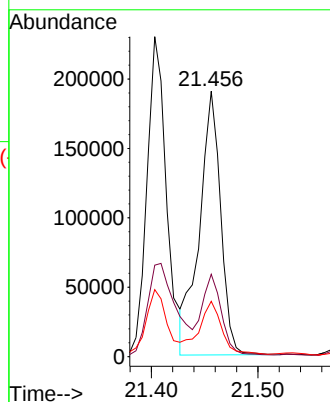
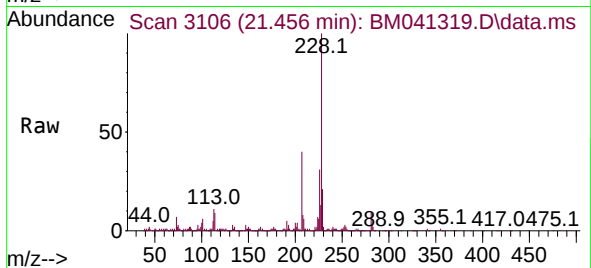
Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	228	Resp:	263891
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.5	36.7
229	20.9	15.8	23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.575 ng

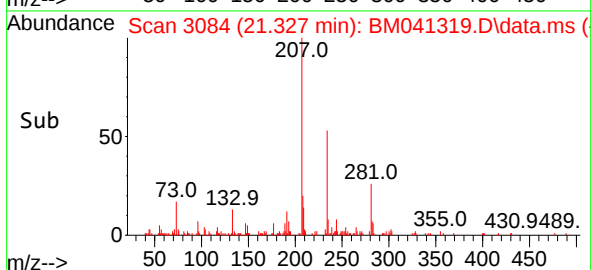
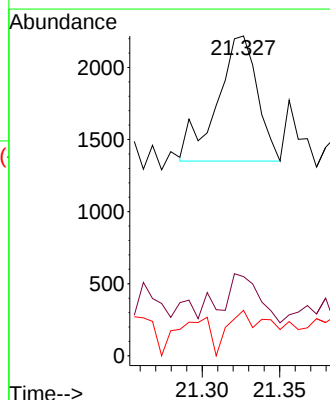
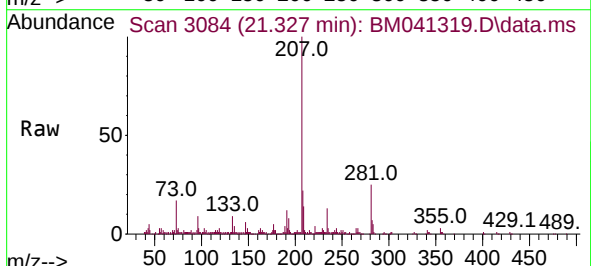
RT: 21.327 min Scan# 3084

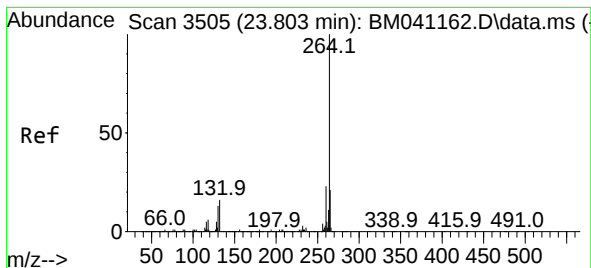
Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Tgt Ion:	149	Resp:	1562
Ion Ratio	Lower	Upper	
149	100		
167	24.8	21.0	31.6
279	14.2	3.1	4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.791 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

Instrument :

BNA_M

ClientSampleId :

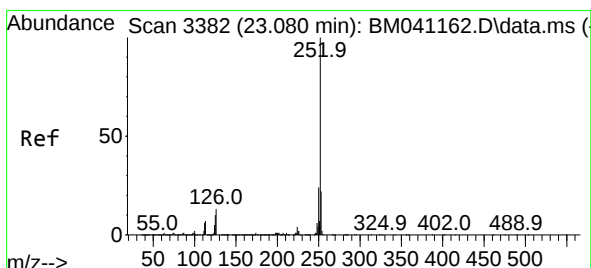
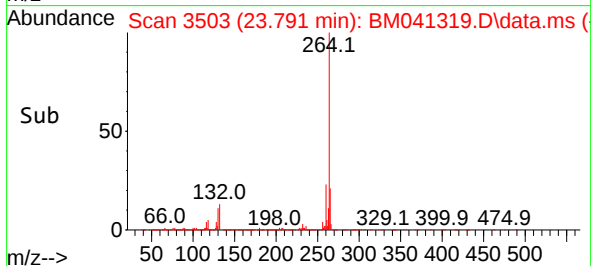
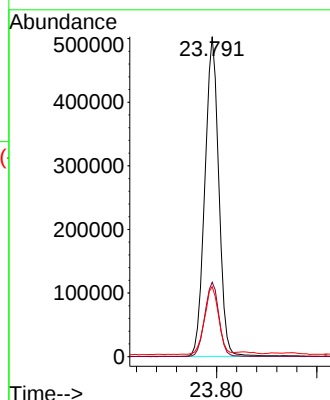
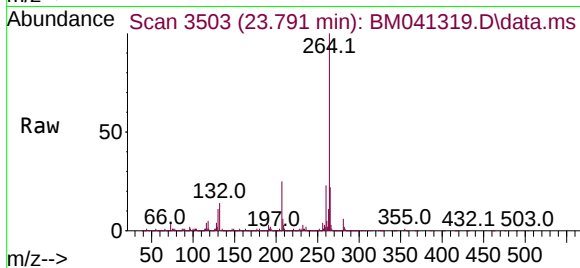
Tgt Ion:264 Resp: 969647

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.8 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.860 ng

RT: 23.074 min Scan# 3381

Delta R.T. -0.000 min

Lab File: BM041319.D

Acq: 07 Aug 2023 19:21

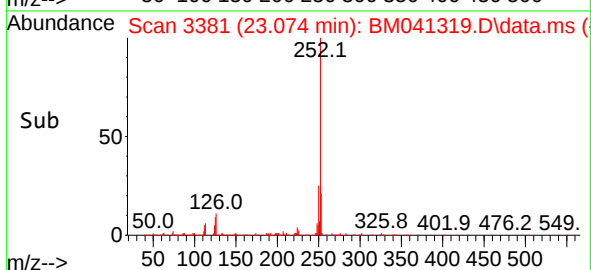
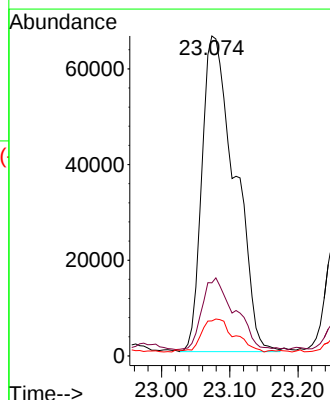
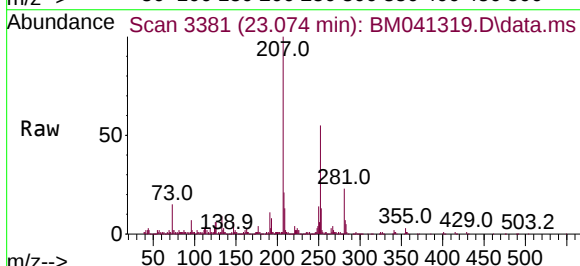
Tgt Ion:252 Resp: 222372

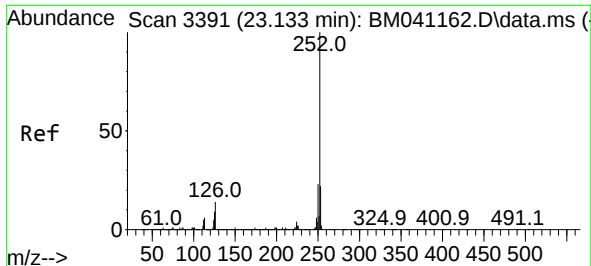
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.9 8.2 12.4

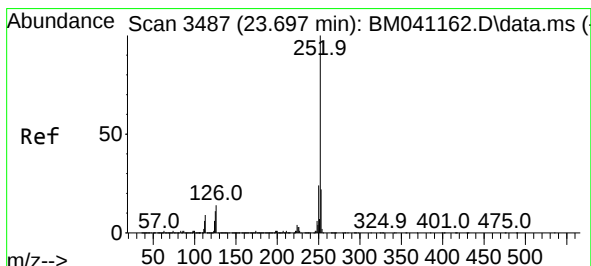
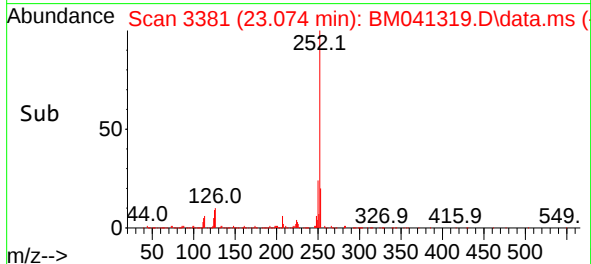
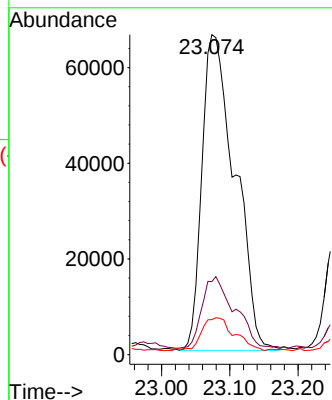
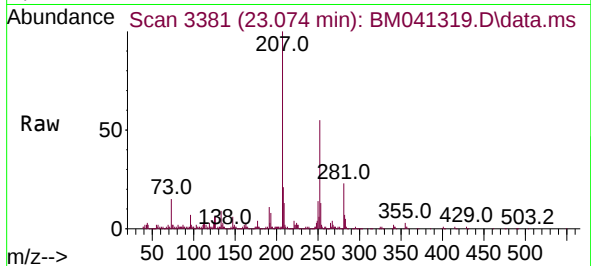




#89
Benzo(k)fluoranthene
Concen: 3.774 ng
RT: 23.074 min Scan# 3391
Delta R.T. -0.047 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 222372
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.9 7.6 11.4



#90
Benzo(a)pyrene
Concen: 3.564 ng
RT: 23.685 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BM041319.D
Acq: 07 Aug 2023 19:21

Tgt Ion:252 Resp: 197286
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.1 9.0 13.4

