

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039424.D
 Acq On : 13 Apr 2023 23:21
 Operator : CG/JU
 Sample : 02324-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-3419

Quant Time: Apr 14 05:19:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

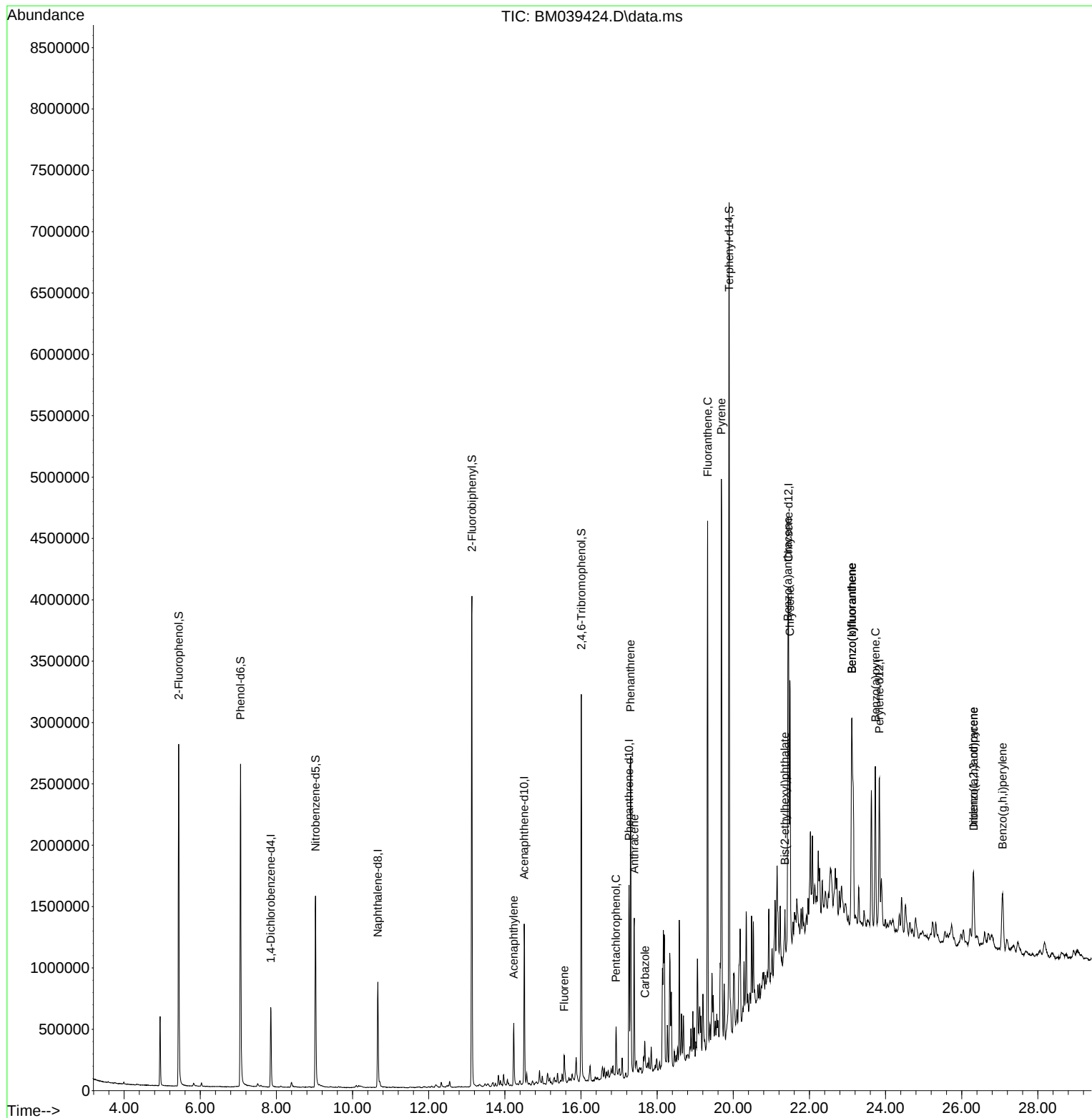
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	181363	20.000	ng	-0.01
21) Naphthalene-d8	10.663	136	743648	20.000	ng	-0.01
39) Acenaphthene-d10	14.510	164	445817	20.000	ng	0.00
64) Phenanthrene-d10	17.262	188	938650	20.000	ng	0.00
76) Chrysene-d12	21.450	240	854248	20.000	ng	-0.01
86) Perylene-d12	23.838	264	938680	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1264049	105.006	ng	0.01
7) Phenol-d6	7.057	99	1637081	105.143	ng	0.02
23) Nitrobenzene-d5	9.028	82	991381	64.793	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	574413	101.500	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	2130672	64.755	ng	0.00
79) Terphenyl-d14	19.892	244	3278760	70.913	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	396855	9.058	ng	99
58) Fluorene	15.563	166	122513	3.715	ng	98
70) Pentachlorophenol	16.921	266	52339	6.712	ng	99
71) Phenanthrene	17.304	178	1511345	29.399	ng	100
72) Anthracene	17.398	178	808162	15.417	ng	100
73) Carbazole	17.680	167	164187	3.352	ng	99
75) Fluoranthene	19.327	202	2477916	42.284	ng	99
78) Pyrene	19.686	202	2733422	44.948	ng	99
81) Benzo(a)anthracene	21.433	228	1172600	19.463	ng	95
83) Chrysene	21.486	228	1282218	22.046	ng	97
84) Bis(2-ethylhexyl)phtha...	21.356	149	114186	2.775	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	640730	9.264	ng	95
88) Benzo(b)fluoranthene	23.115	252	1536051	26.744	ng	98
89) Benzo(k)fluoranthene	23.115	252	1536051	26.255	ng	98
90) Benzo(a)pyrene	23.733	252	1011159	17.921	ng	98
91) Dibenzo(a,h)anthracene	26.315	278	183439	3.159	ng	# 88
92) Benzo(g,h,i)perylene	27.074	276	654982	11.468	ng	99

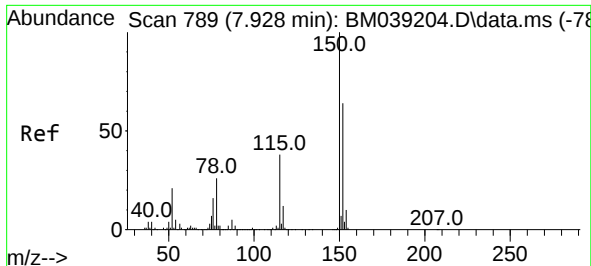
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039424.D
Acq On : 13 Apr 2023 23:21
Operator : CG/JU
Sample : 02324-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RT-3419

Quant Time: Apr 14 05:19:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 11 16:05:42 2023
Response via : Initial Calibration

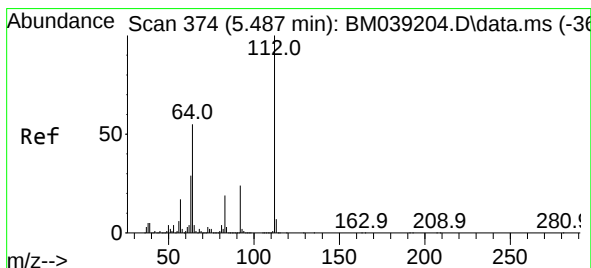
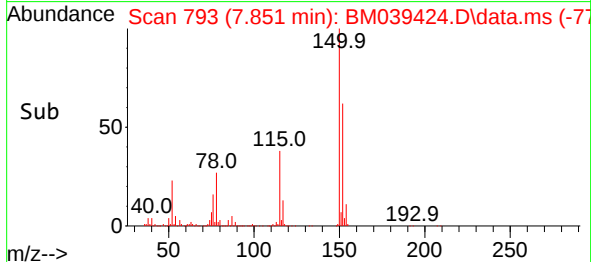
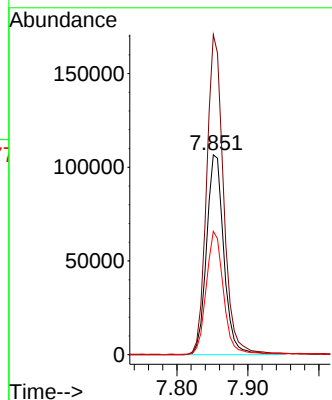
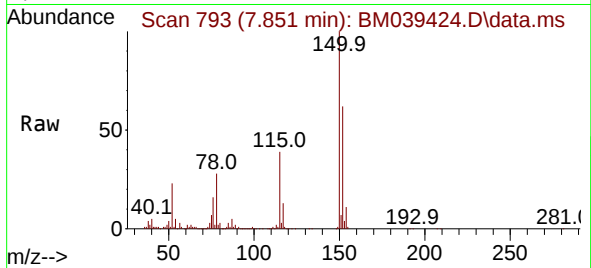




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 793
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

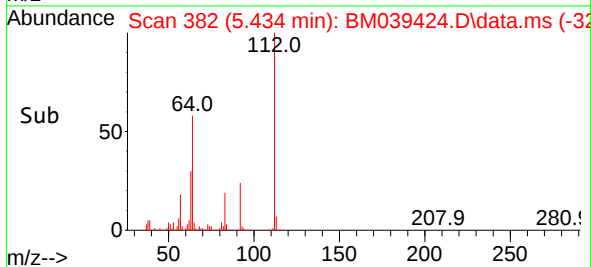
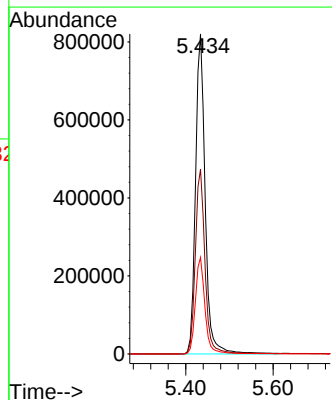
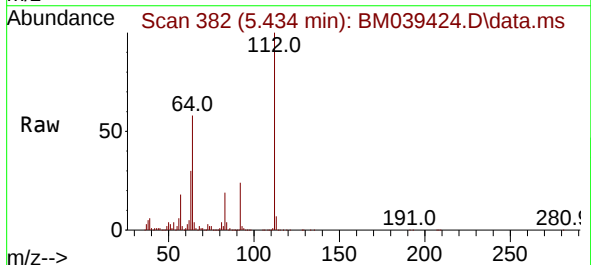
Instrument :
BNA_M
ClientSampleId :
RT-3419

Tgt Ion:152 Resp: 181363
Ion Ratio Lower Upper
152 100
150 160.1 125.5 188.3
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 105.006 ng
RT: 5.434 min Scan# 382
Delta R.T. 0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:112 Resp: 1264049
Ion Ratio Lower Upper
112 100
64 57.8 44.3 66.5
63 30.1 23.0 34.6

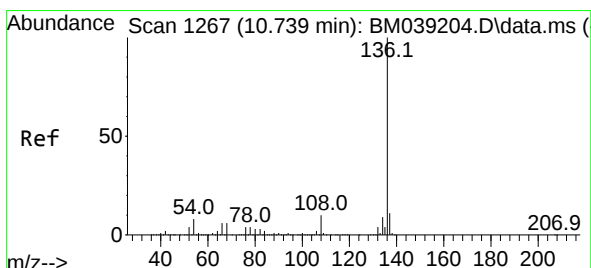
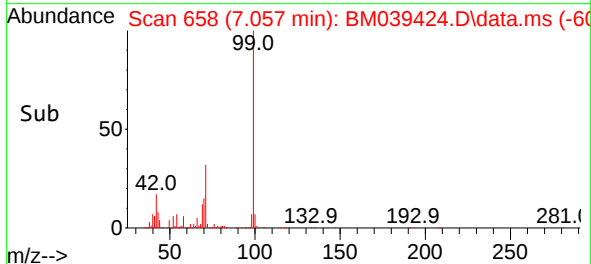
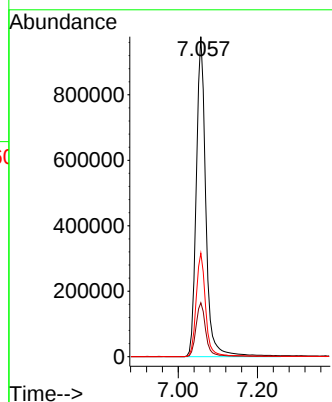
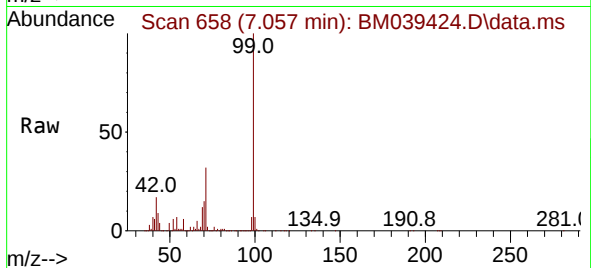




#7
Phenol-d6
Concen: 105.143 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

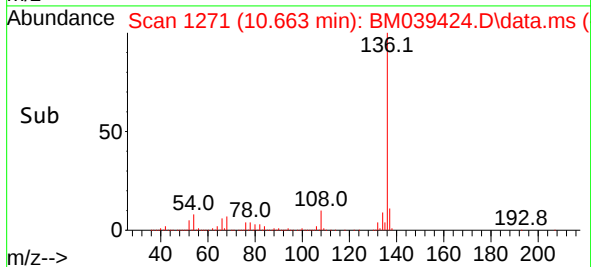
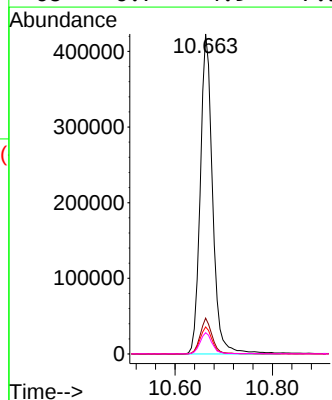
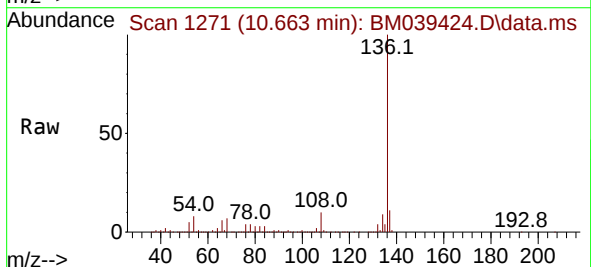
Instrument :
BNA_M
ClientSampleId :
RT-3419

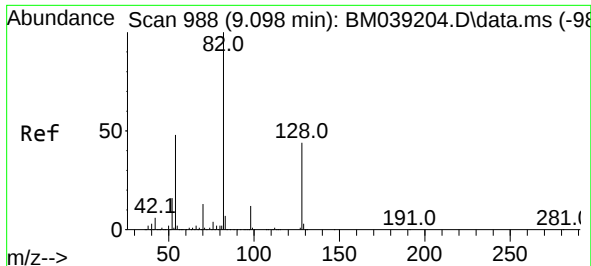
Tgt Ion: 99 Resp: 1637081
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.6
71 32.3 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion: 136 Resp: 743648
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.5 6.2 9.4
68 6.7 4.9 7.3

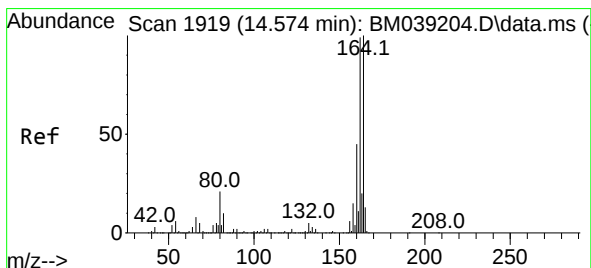
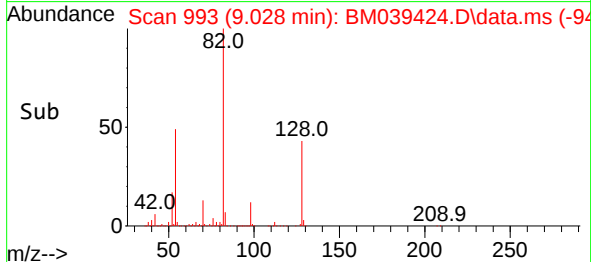
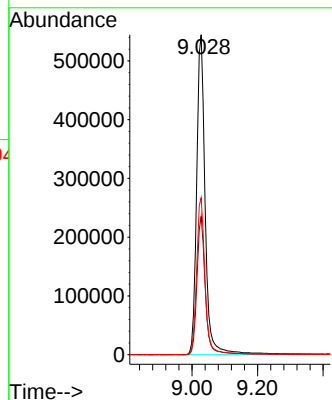
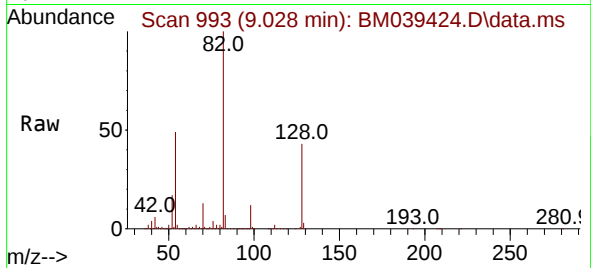




#23
Nitrobenzene-d5
Concen: 64.793 ng
RT: 9.028 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

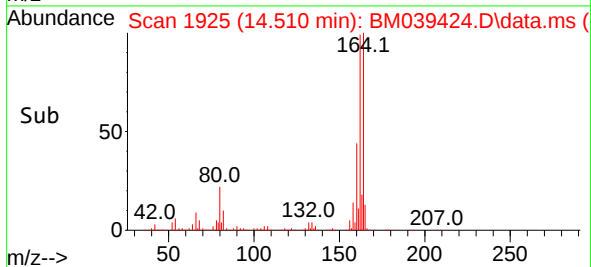
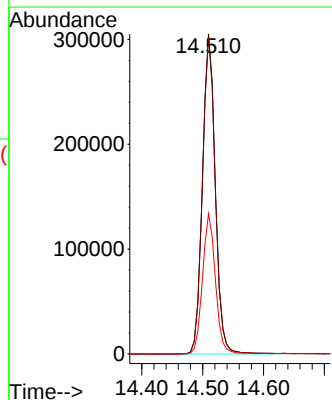
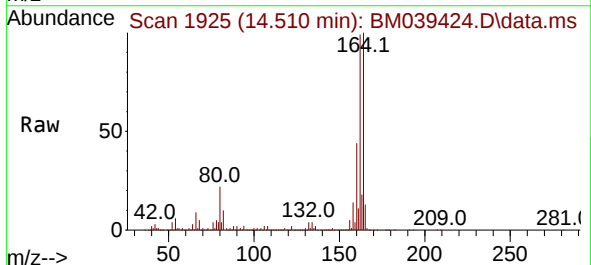
Instrument :
BNA_M
ClientSampleId :
RT-3419

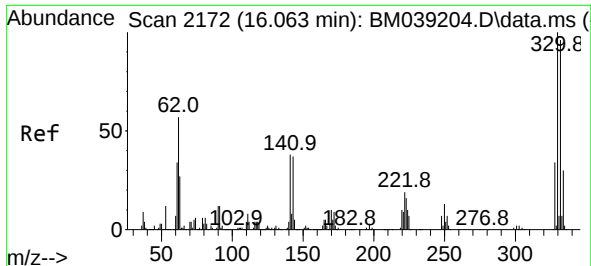
Tgt Ion: 82 Resp: 991381
Ion Ratio Lower Upper
82 100
128 43.2 35.1 52.7
54 49.1 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion: 164 Resp: 445817
Ion Ratio Lower Upper
164 100
162 99.3 79.1 118.7
160 43.9 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 101.500 ng

RT: 16.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

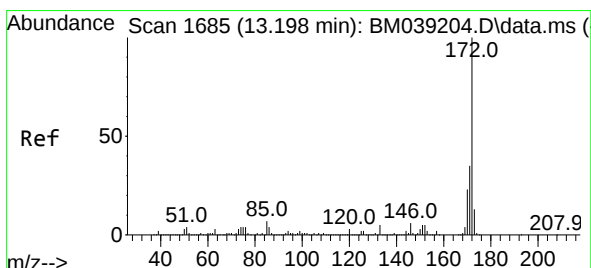
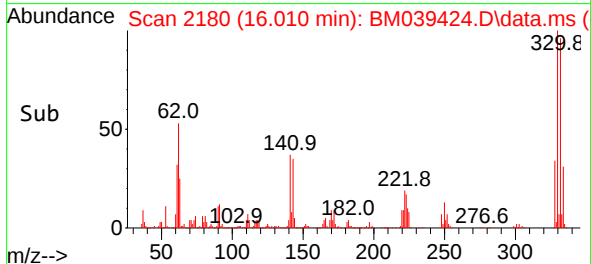
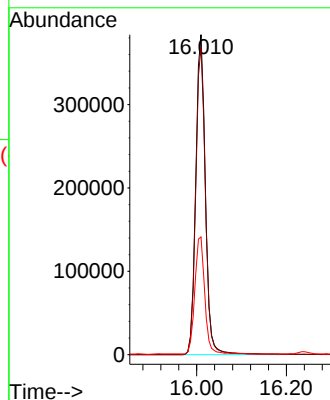
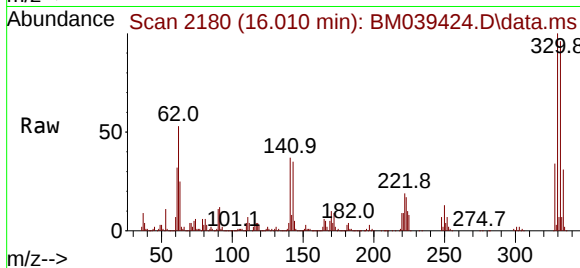
Tgt Ion:330 Resp: 574413

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 38.0 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 64.755 ng

RT: 13.133 min Scan# 1691

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

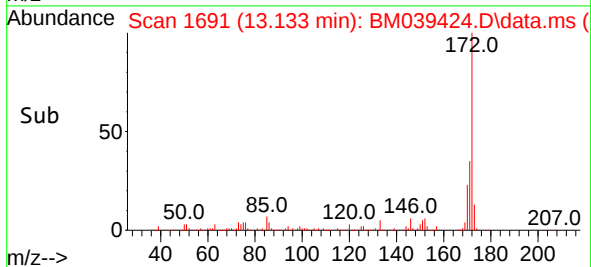
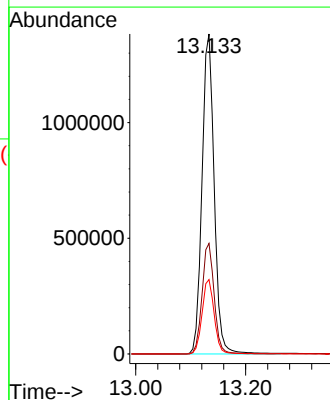
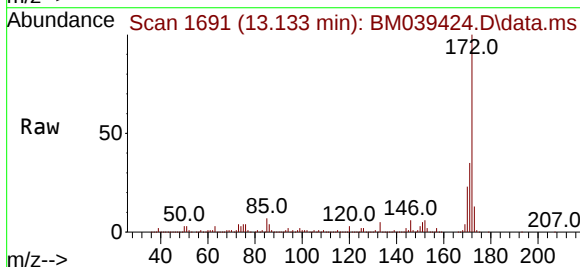
Tgt Ion:172 Resp: 2130672

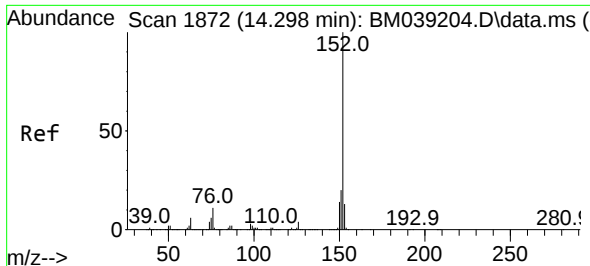
Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

170 23.2 18.7 28.1

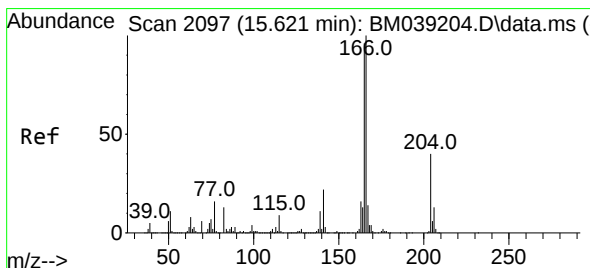
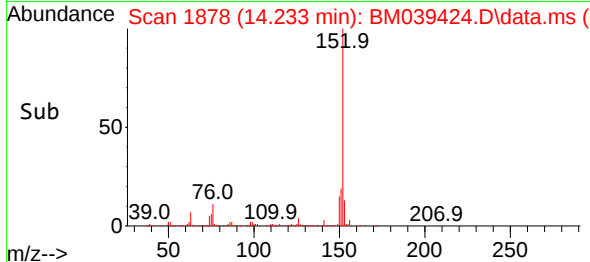
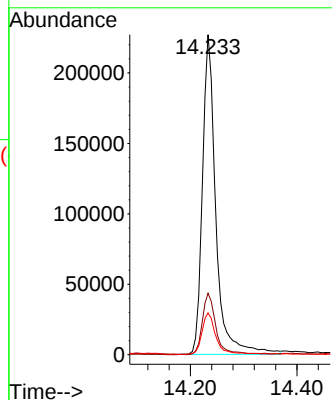
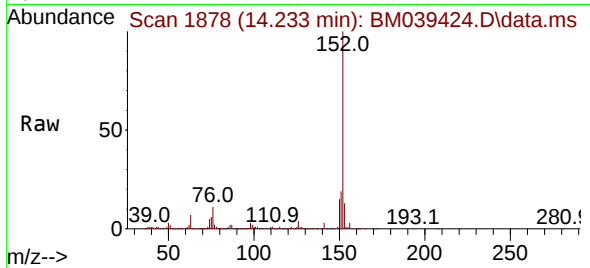




#49
Acenaphthylene
Concen: 9.058 ng
RT: 14.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

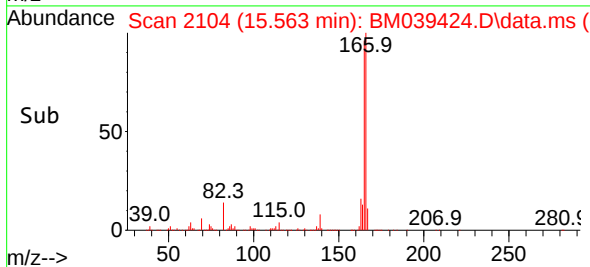
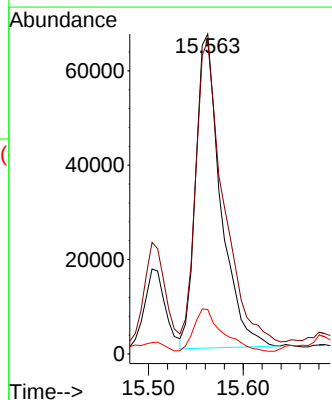
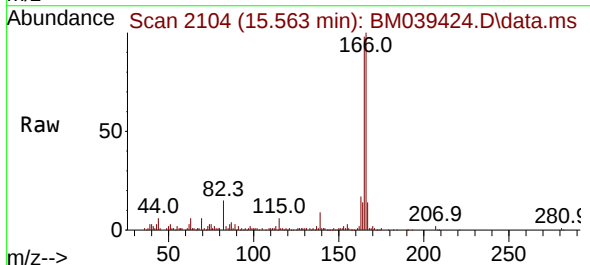
Instrument :
BNA_M
ClientSampleId :
RT-3419

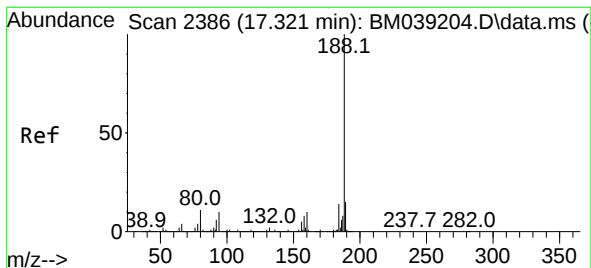
Tgt Ion:152 Resp: 396855
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.1 10.3 15.5



#58
Fluorene
Concen: 3.715 ng
RT: 15.563 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:166 Resp: 122513
Ion Ratio Lower Upper
166 100
165 97.9 76.9 115.3
167 13.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

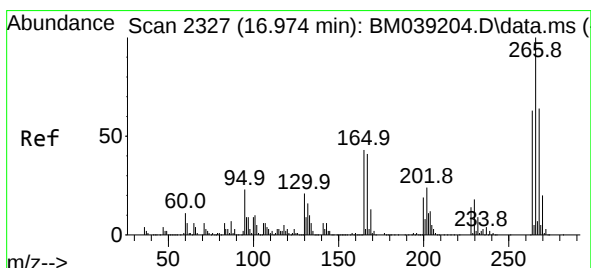
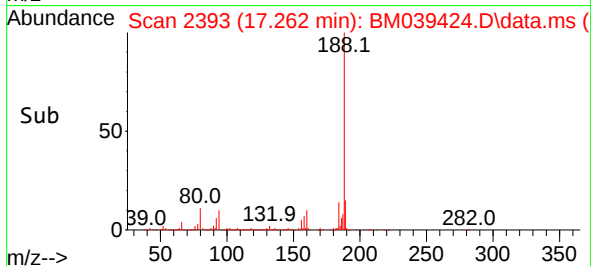
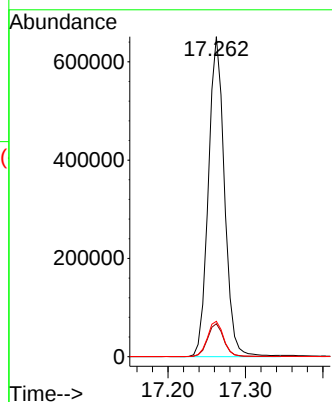
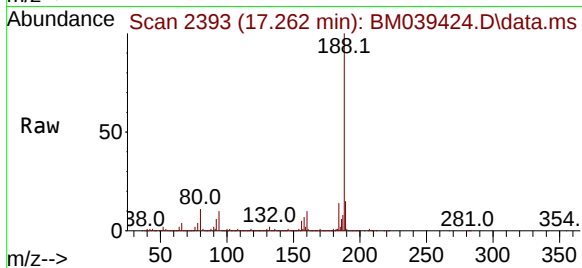
Tgt Ion:188 Resp: 938650

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

80 11.1 8.9 13.3



#70

Pentachlorophenol

Concen: 6.712 ng

RT: 16.921 min Scan# 2335

Delta R.T. 0.000 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

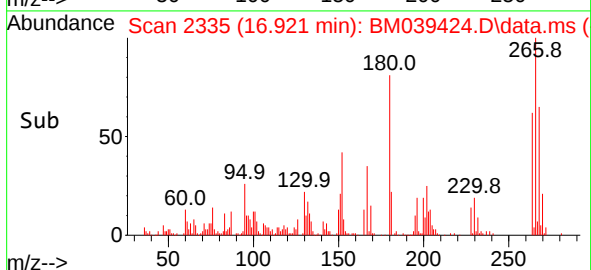
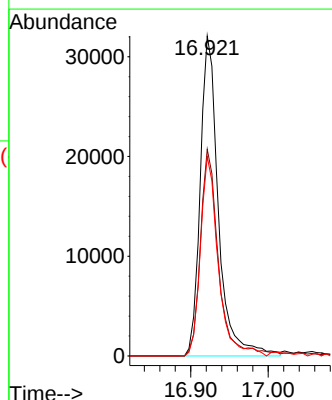
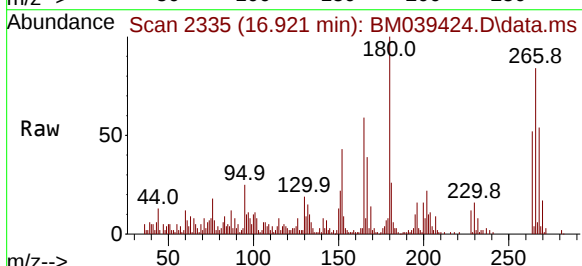
Tgt Ion:266 Resp: 52339

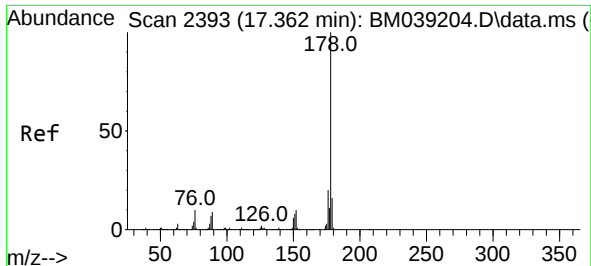
Ion Ratio Lower Upper

266 100

268 64.6 51.4 77.2

264 62.3 50.2 75.4

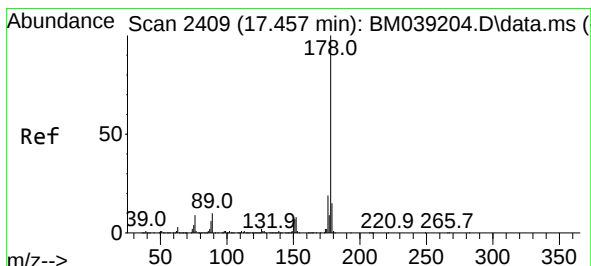
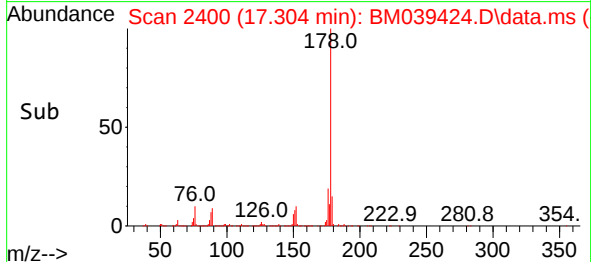
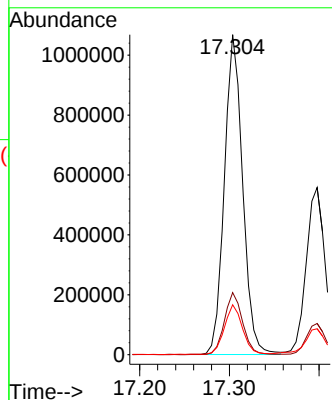
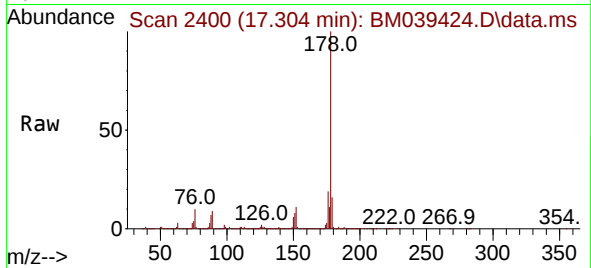




#71
Phenanthrene
Concen: 29.399 ng
RT: 17.304 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

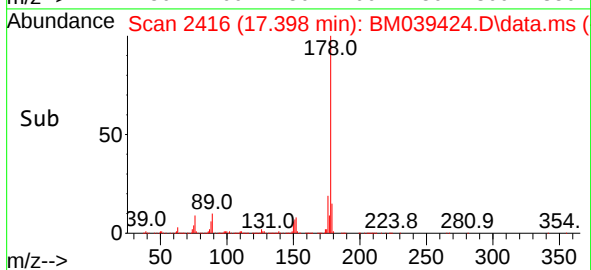
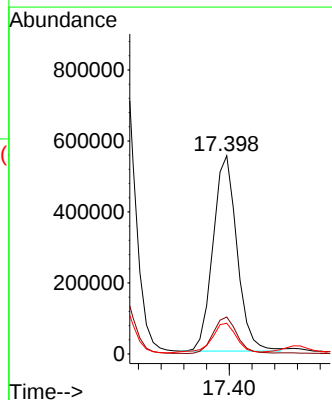
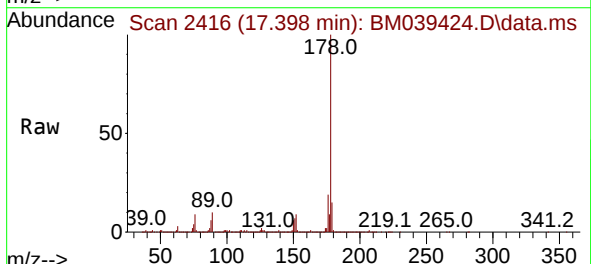
Instrument :
BNA_M
ClientSampleId :
RT-3419

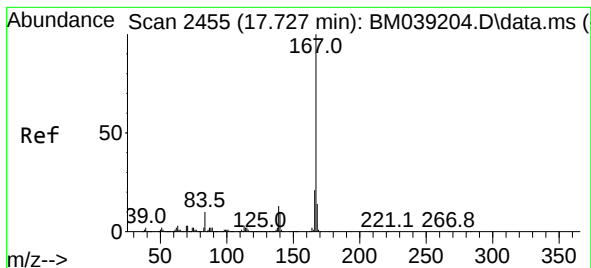
Tgt Ion:178 Resp: 1511345
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.4 18.6



#72
Anthracene
Concen: 15.417 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:178 Resp: 808162
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.5 12.2 18.2





#73

Carbazole

Concen: 3.352 ng

RT: 17.680 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

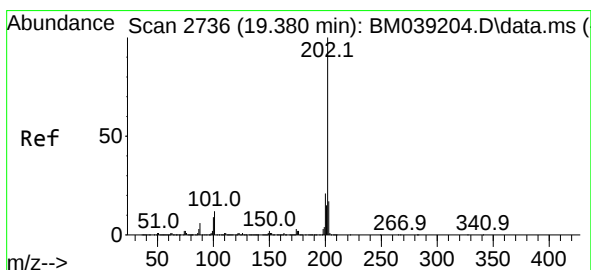
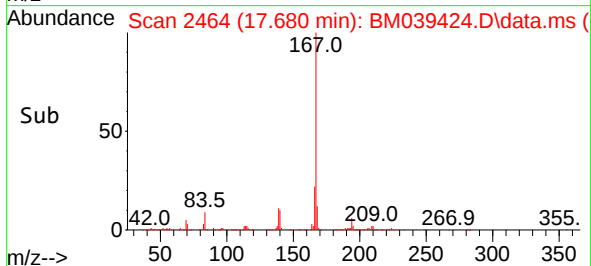
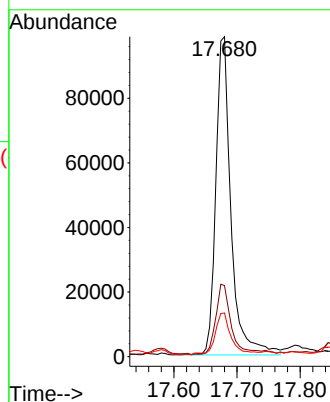
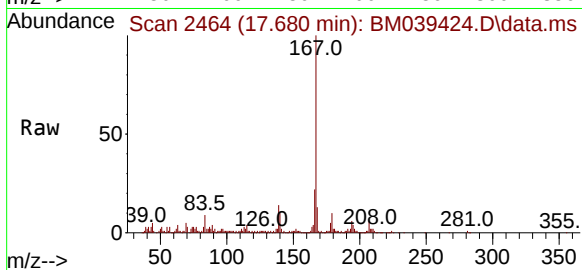
Tgt Ion:167 Resp: 164187

Ion Ratio Lower Upper

167 100

166 22.2 17.2 25.8

139 13.7 10.6 16.0



#75

Fluoranthene

Concen: 42.284 ng

RT: 19.327 min Scan# 2744

Delta R.T. -0.006 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

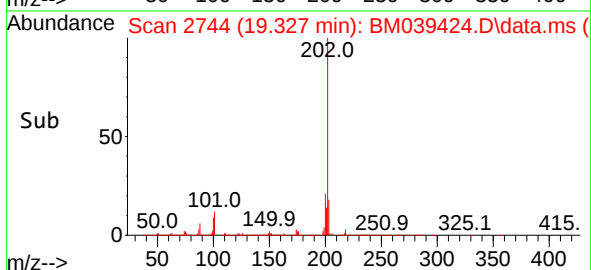
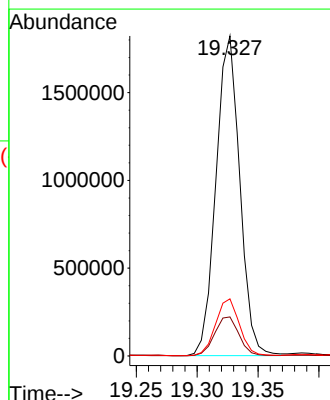
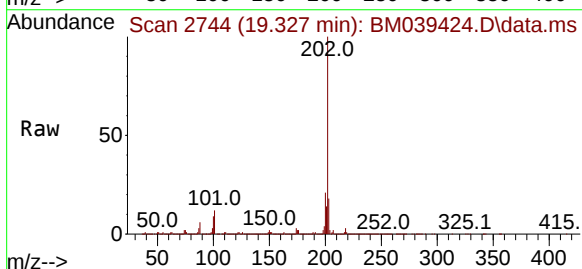
Tgt Ion:202 Resp: 2477916

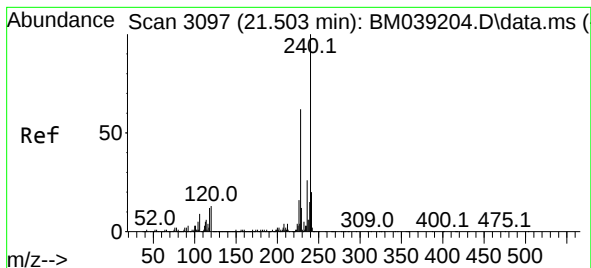
Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.5

203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3105

Delta R.T. -0.012 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

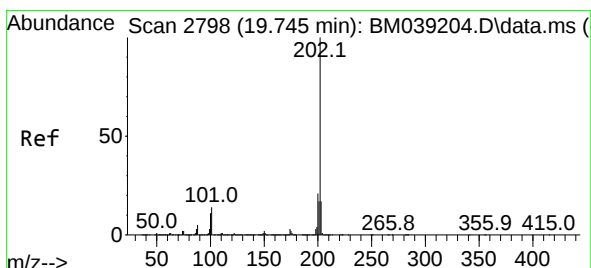
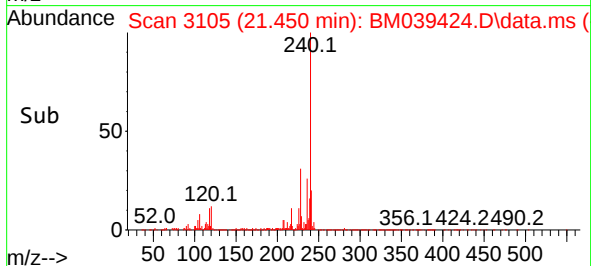
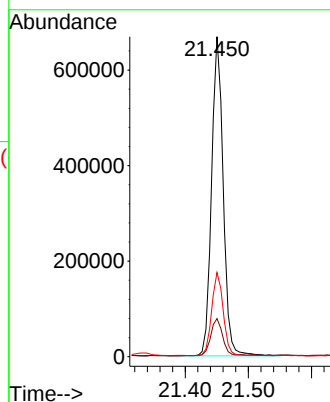
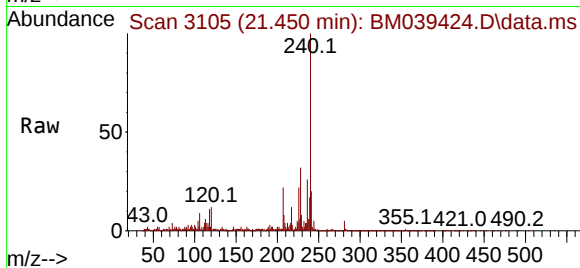
Tgt Ion:240 Resp: 854248

Ion Ratio Lower Upper

240 100

120 11.9 10.2 15.2

236 26.3 20.9 31.3



#78

Pyrene

Concen: 44.948 ng

RT: 19.686 min Scan# 2805

Delta R.T. -0.012 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

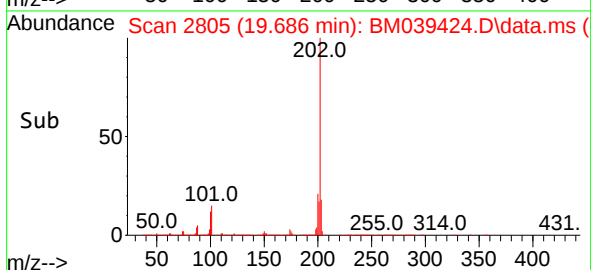
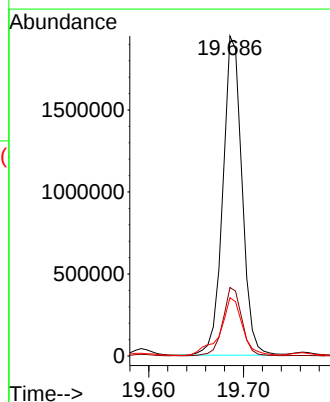
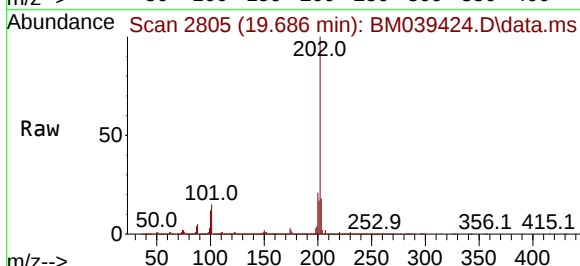
Tgt Ion:202 Resp: 2733422

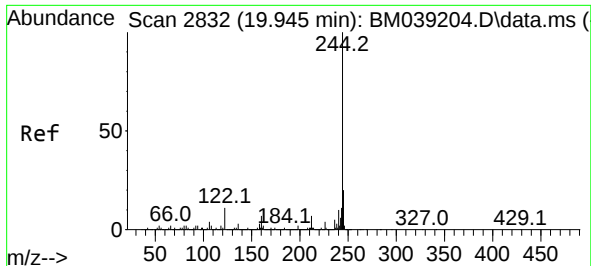
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 18.2 13.9 20.9

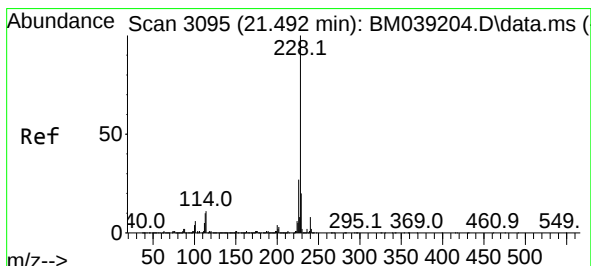
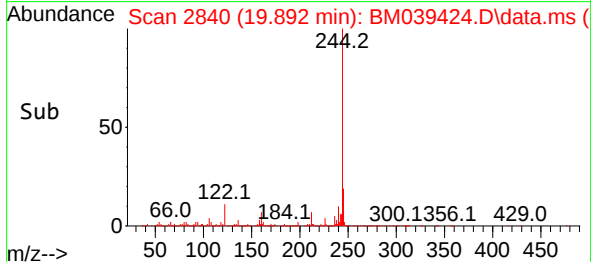
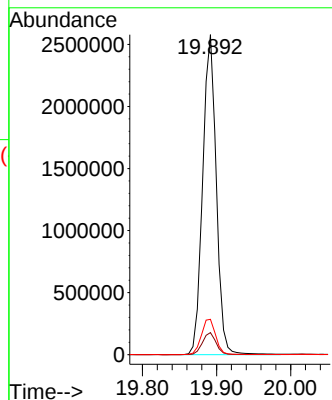
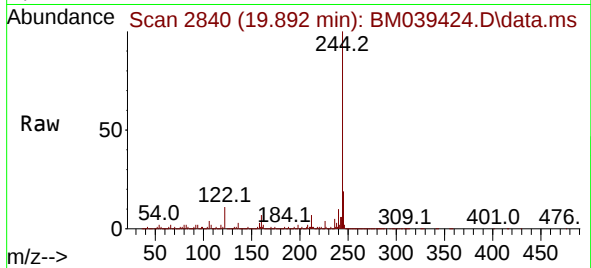




#79
 Terphenyl-d14
 Concen: 70.913 ng
 RT: 19.892 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039424.D
 Acq: 13 Apr 2023 23:21

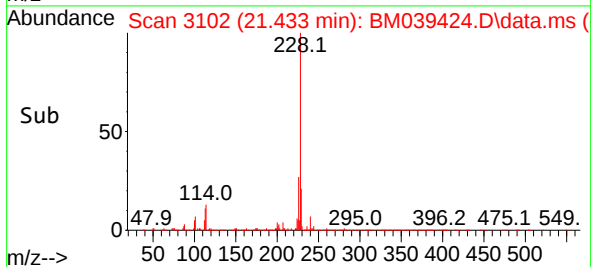
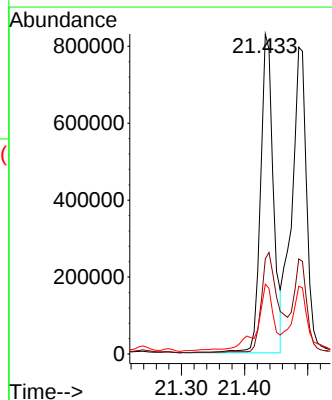
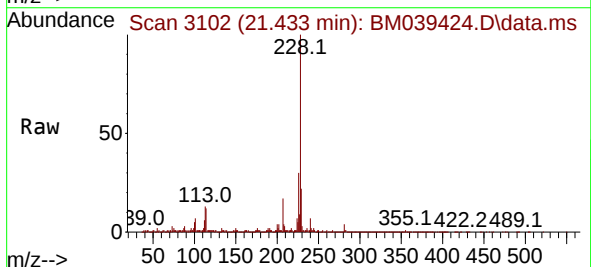
Instrument :
 BNA_M
 ClientSampleId :
 RT-3419

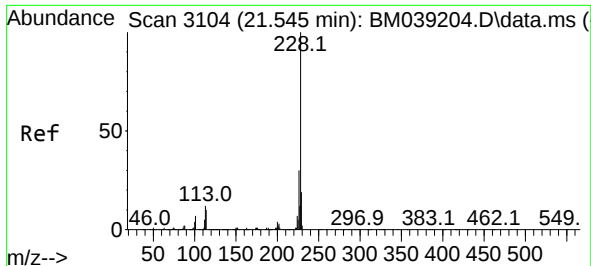
Tgt Ion:244 Resp: 3278760
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.0 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 19.463 ng
 RT: 21.433 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BM039424.D
 Acq: 13 Apr 2023 23:21

Tgt Ion:228 Resp: 1172600
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.9 32.9
 229 21.8 15.8 23.6

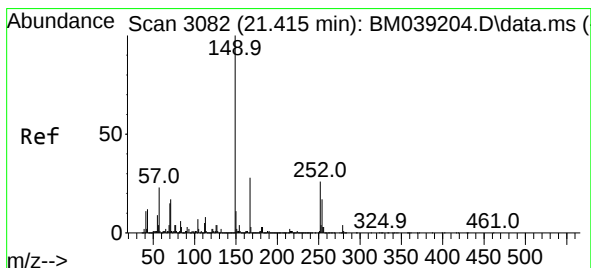
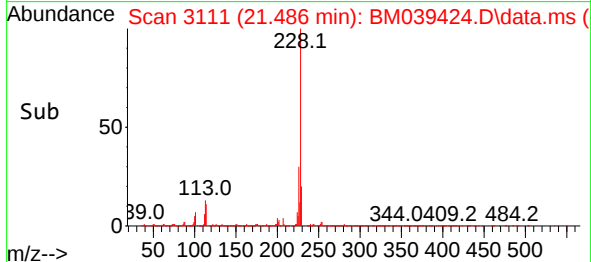
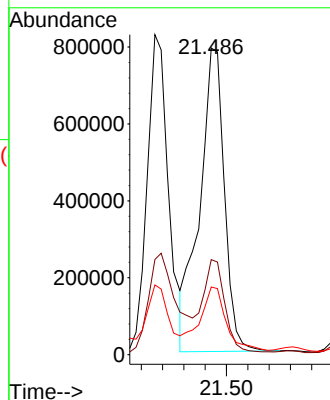
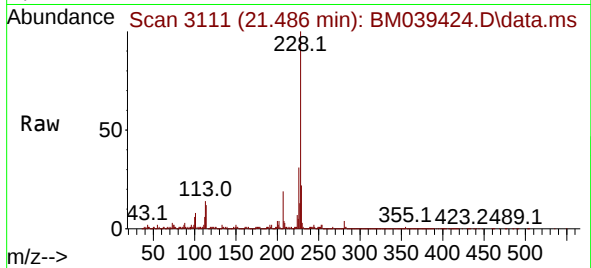




#83
Chrysene
Concen: 22.046 ng
RT: 21.486 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

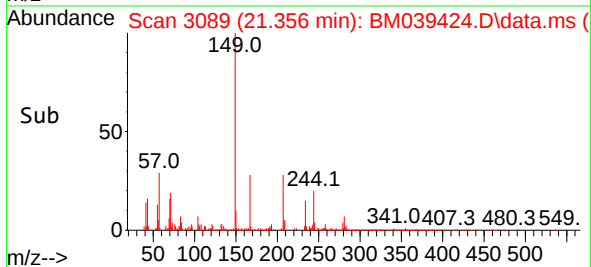
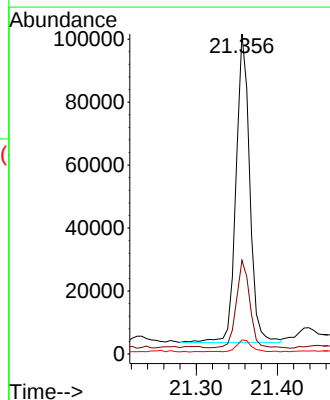
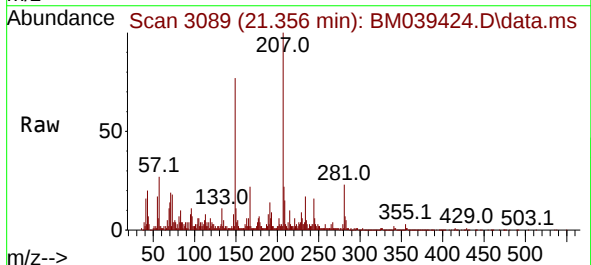
Instrument :
BNA_M
ClientSampleId :
RT-3419

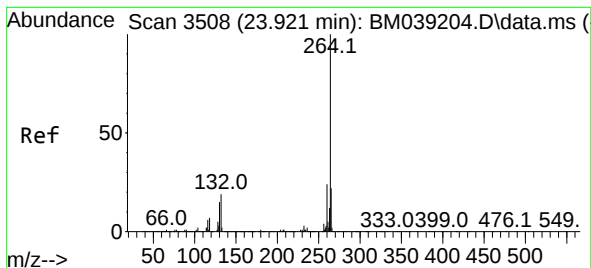
Tgt Ion:228 Resp: 1282218
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.1 15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.775 ng
RT: 21.356 min Scan# 3089
Delta R.T. -0.018 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:149 Resp: 114186
Ion Ratio Lower Upper
149 100
167 29.2 22.3 33.5
279 4.4 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.838 min Scan# 3511

Delta R.T. -0.012 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

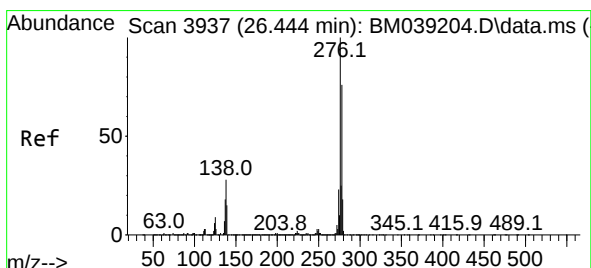
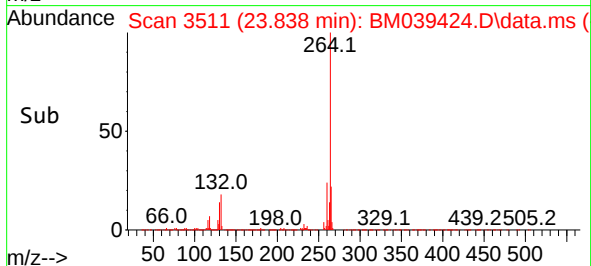
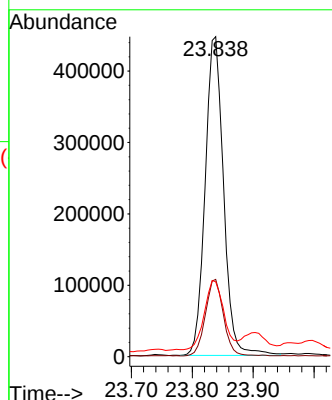
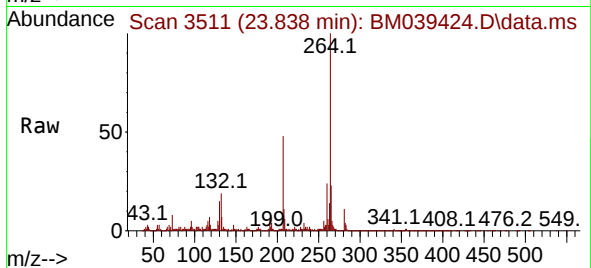
Tgt Ion:264 Resp: 938680

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 23.4 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.264 ng

RT: 26.309 min Scan# 3931

Delta R.T. -0.029 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

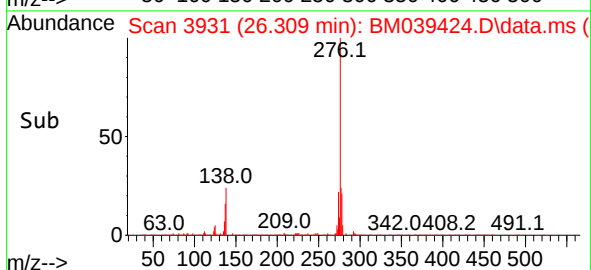
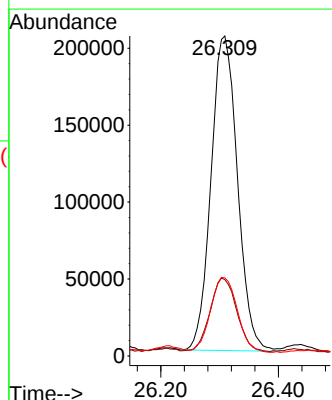
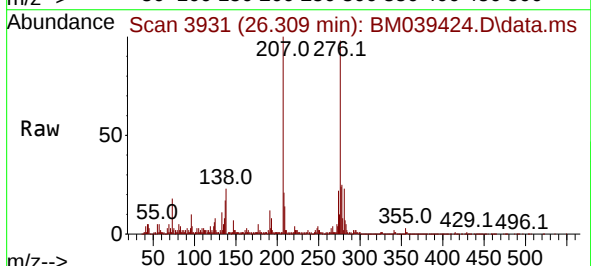
Tgt Ion:276 Resp: 640730

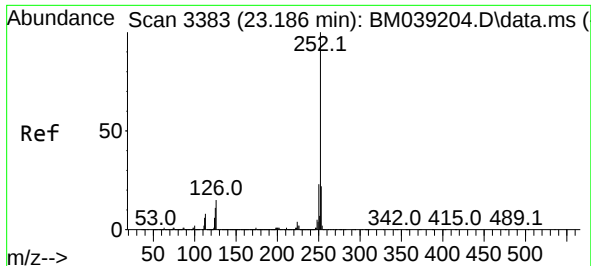
Ion Ratio Lower Upper

276 100

138 23.4 22.2 33.2

277 24.2 20.2 30.2

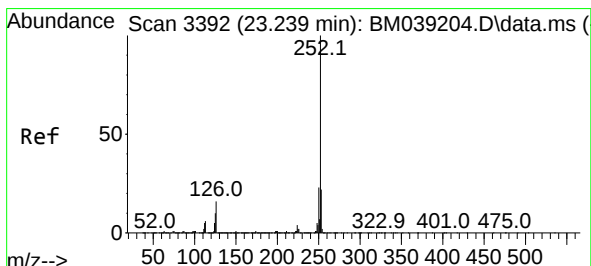
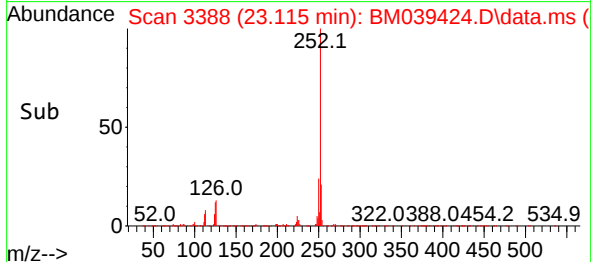
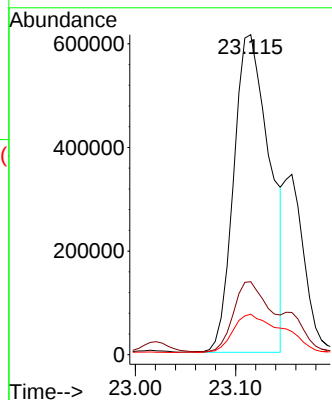
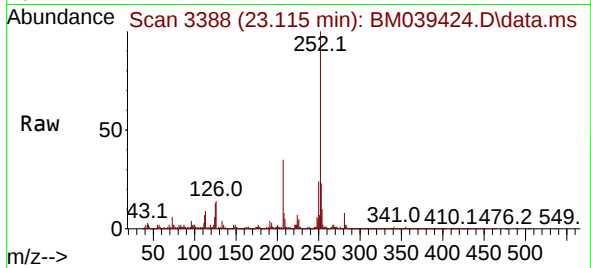




#88
Benzo(b)fluoranthene
Concen: 26.744 ng
RT: 23.115 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

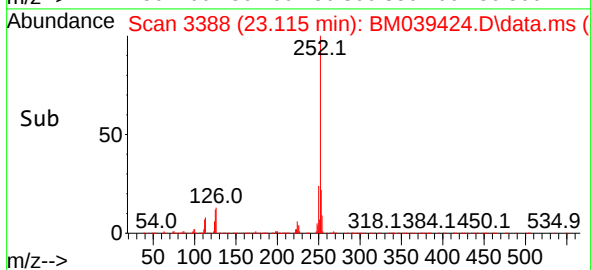
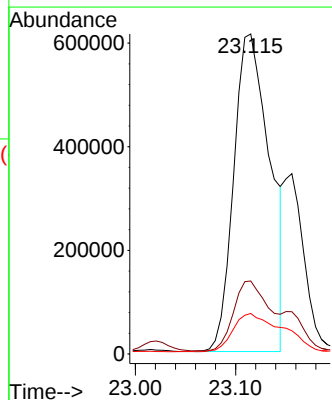
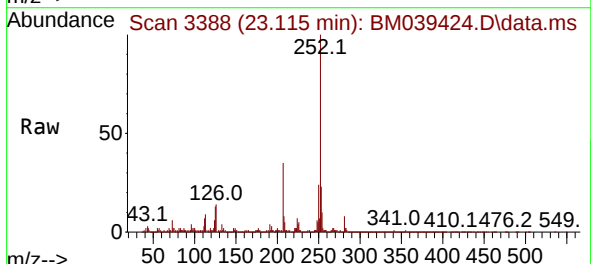
Instrument :
BNA_M
ClientSampleId :
RT-3419

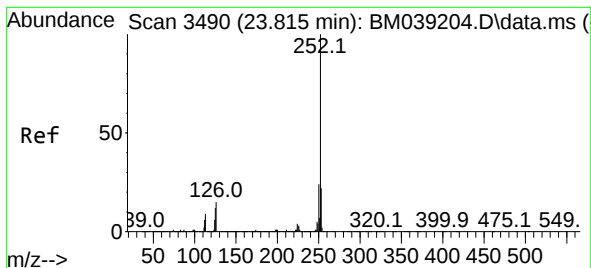
Tgt Ion:252 Resp: 1536051
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.7 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 26.255 ng
RT: 23.115 min Scan# 3388
Delta R.T. -0.059 min
Lab File: BM039424.D
Acq: 13 Apr 2023 23:21

Tgt Ion:252 Resp: 1536051
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.7 8.5 12.7





#90

Benzo(a)pyrene

Concen: 17.921 ng

RT: 23.733 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419

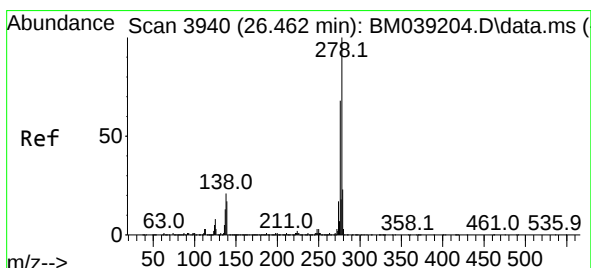
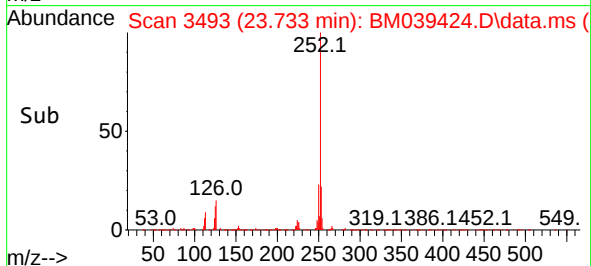
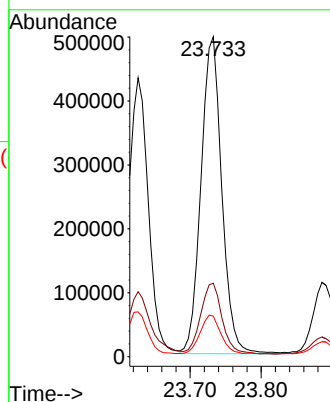
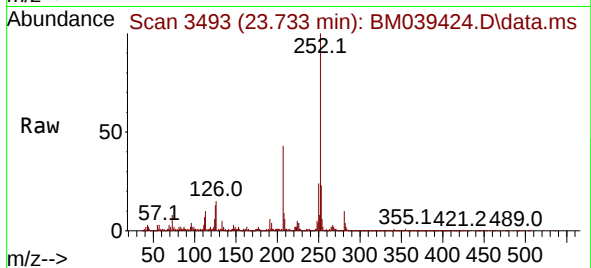
Tgt Ion:252 Resp: 1011159

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 12.6 9.8 14.6



#91

Dibenzo(a,h)anthracene

Concen: 3.159 ng

RT: 26.315 min Scan# 3932

Delta R.T. -0.035 min

Lab File: BM039424.D

Acq: 13 Apr 2023 23:21

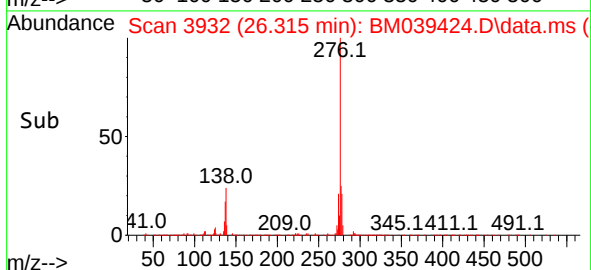
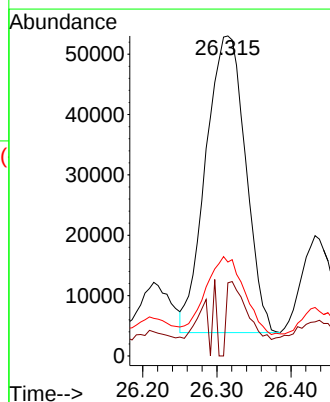
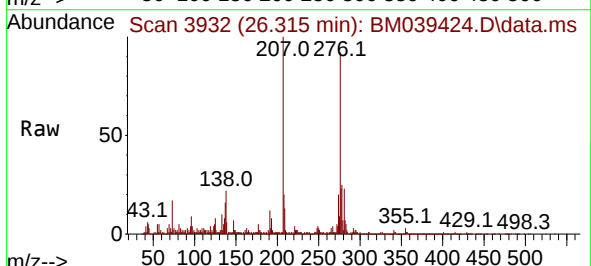
Tgt Ion:278 Resp: 183439

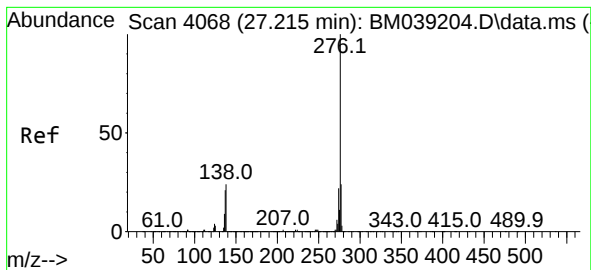
Ion Ratio Lower Upper

278 100

139 22.8 13.9 20.9#

279 29.4 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 11.468 ng

RT: 27.074 min Scan# 4061

Delta R.T. -0.029 min

Lab File: BM039424.D

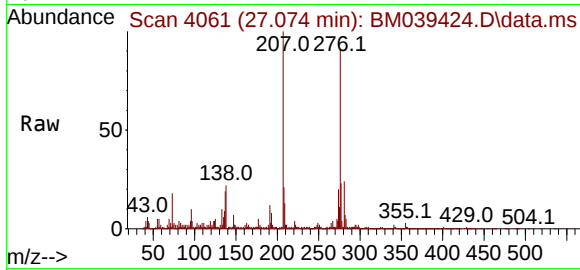
Acq: 13 Apr 2023 23:21

Instrument :

BNA_M

ClientSampleId :

RT-3419



Tgt Ion:276 Resp: 654982

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 24.2 19.5 29.3

