

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039572.D
 Acq On : 22 Apr 2023 03:43
 Operator : CG/JU
 Sample : 02446-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-042023

Quant Time: Apr 22 04:59:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

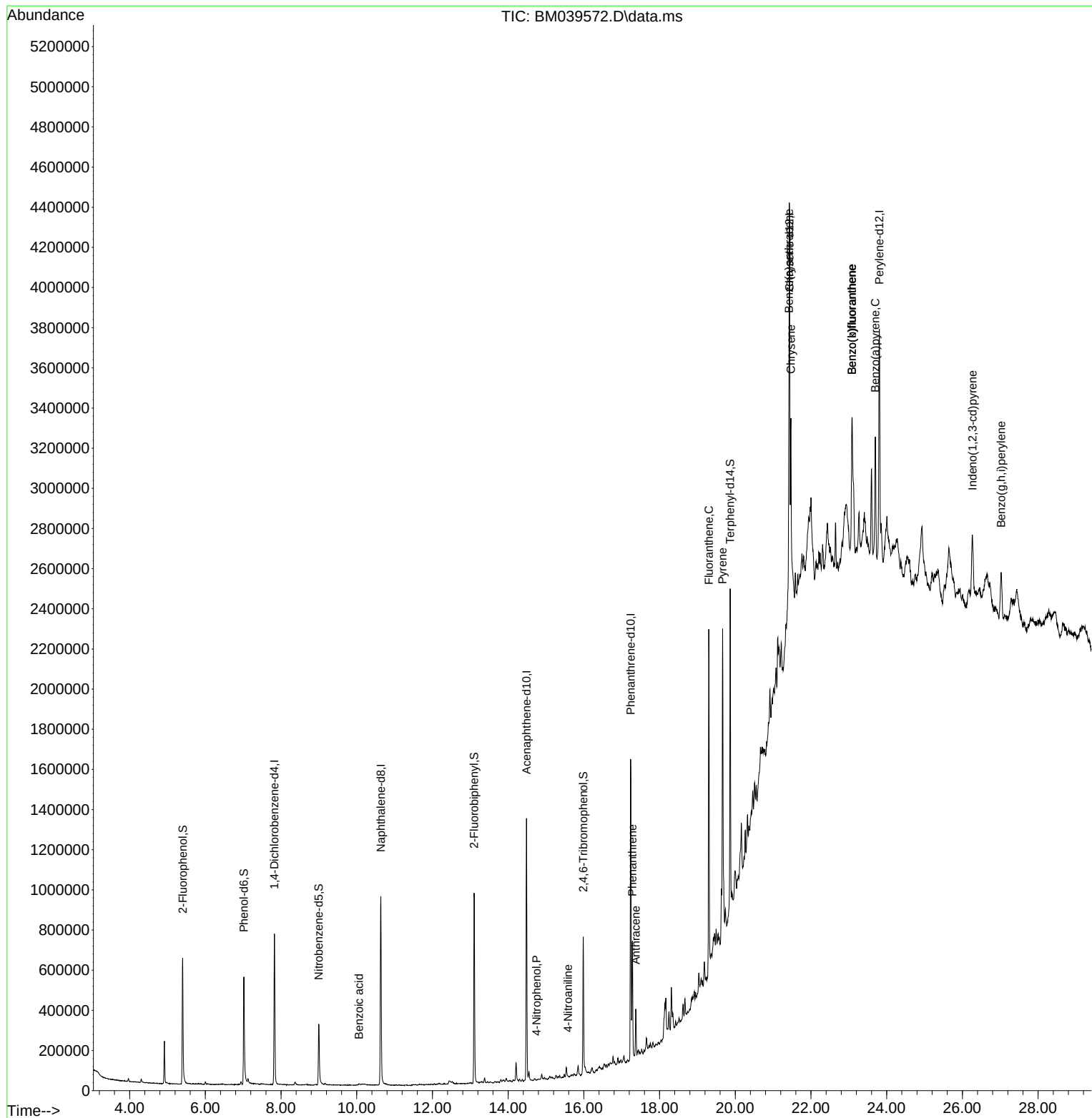
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	208332	20.000	ng	0.00
21) Naphthalene-d8	10.636	136	802990	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	451680	20.000	ng	0.00
64) Phenanthrene-d10	17.236	188	919863	20.000	ng	0.00
76) Chrysene-d12	21.430	240	764817	20.000	ng	0.00
86) Perylene-d12	23.806	264	861456	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	304569	23.886	ng	0.01
7) Phenol-d6	7.019	99	371891	19.845	ng	0.01
23) Nitrobenzene-d5	8.995	82	213901	13.045	ng	0.00
42) 2,4,6-Tribromophenol	15.983	330	124413	21.226	ng	0.00
45) 2-Fluorobiphenyl	13.101	172	517709	15.859	ng	0.00
79) Terphenyl-d14	19.865	244	751694	17.731	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.060	122	70	5.998	ng	# 1
56) 4-Nitrophenol	14.748	139	245	5.439	ng	# 1
62) 4-Nitroaniline	15.583	138	74	2.799	ng	# 1
71) Phenanthrene	17.283	178	359019	7.198	ng	99
72) Anthracene	17.371	178	151652	2.964	ng	98
75) Fluoranthene	19.300	202	998566	16.501	ng	99
78) Pyrene	19.665	202	930334	16.541	ng	99
81) Benzo(a)anthracene	21.418	228	448343	8.255	ng	96
83) Chrysene	21.471	228	416769	7.917	ng	95
87) Indeno(1,2,3-cd)pyrene	26.265	276	321341	5.076	ng	# 93
88) Benzo(b)fluoranthene	23.083	252	868857	16.542	ng	# 91
89) Benzo(k)fluoranthene	23.083	252	868857	15.823	ng	# 91
90) Benzo(a)pyrene	23.700	252	476009	9.119	ng	# 90
92) Benzo(g,h,i)perylene	27.023	276	313469	6.011	ng	95

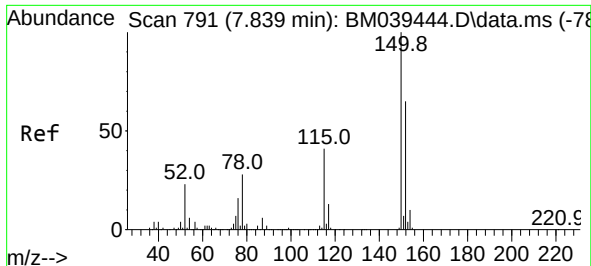
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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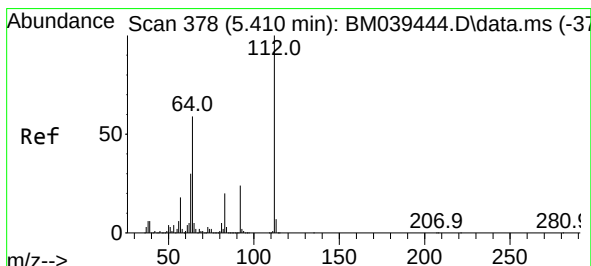
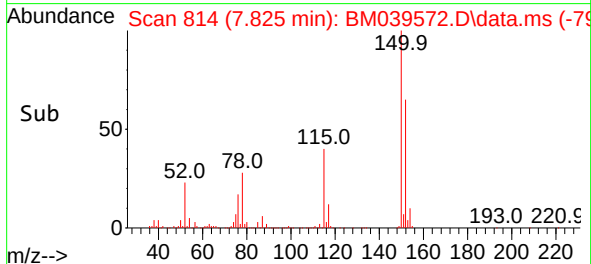
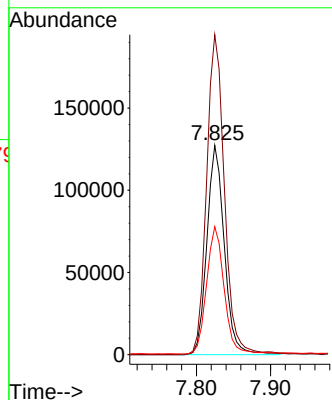
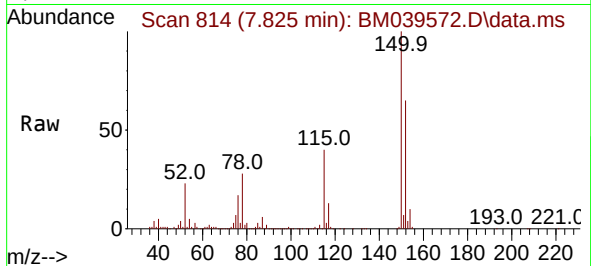




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

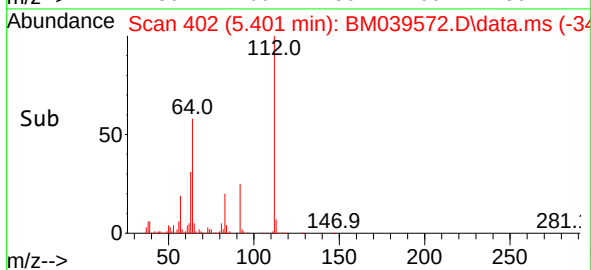
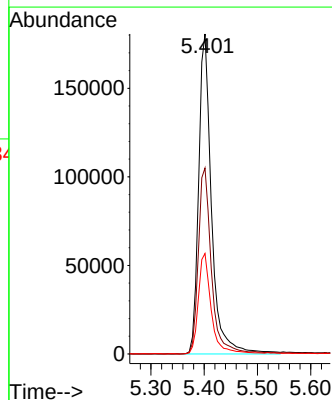
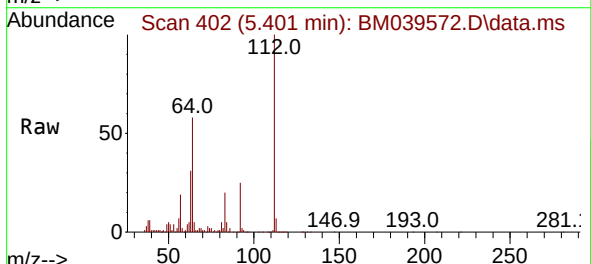
Instrument :
BNA_M
ClientSampleId :
OR-03-042023

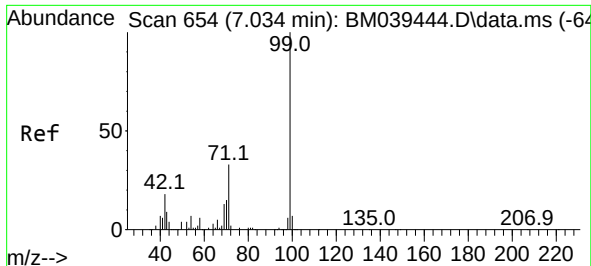
Tgt Ion:152 Resp: 208332
Ion Ratio Lower Upper
152 100
150 152.9 123.0 184.4
115 61.1 49.9 74.9



#5
2-Fluorophenol
Concen: 23.886 ng
RT: 5.401 min Scan# 402
Delta R.T. 0.012 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:112 Resp: 304569
Ion Ratio Lower Upper
112 100
64 58.1 47.0 70.4
63 31.4 24.2 36.4

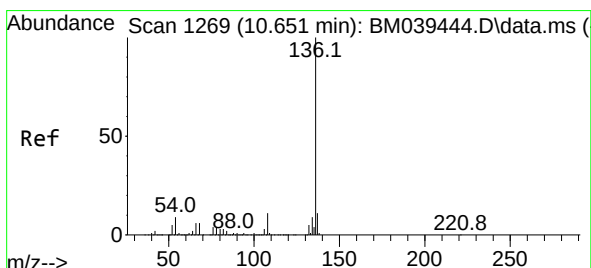
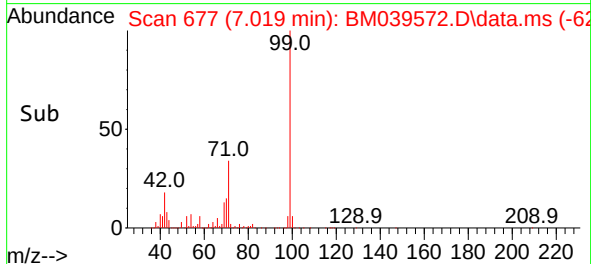
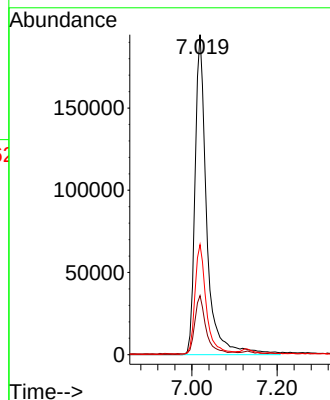
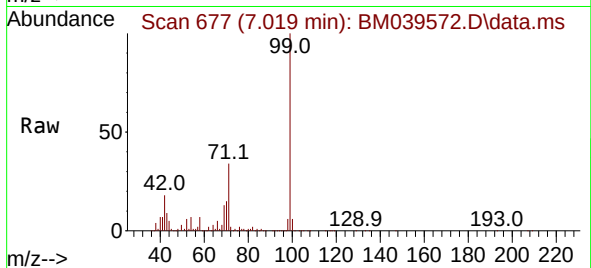




#7
Phenol-d6
Concen: 19.845 ng
RT: 7.019 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

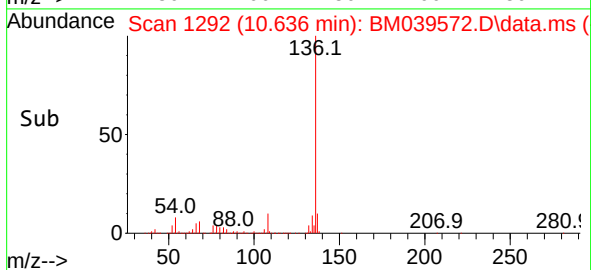
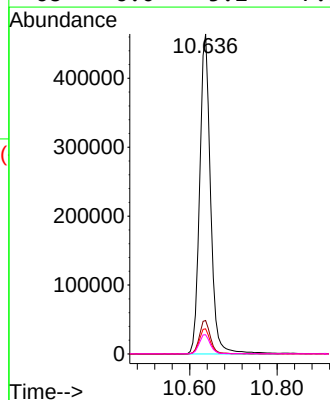
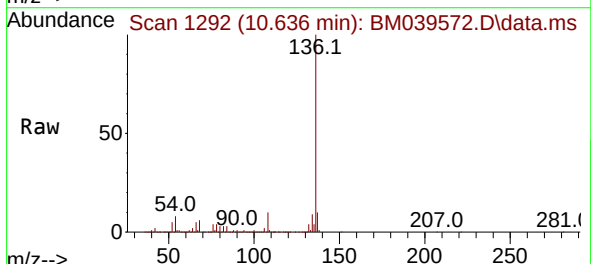
Instrument :
BNA_M
ClientSampleId :
OR-03-042023

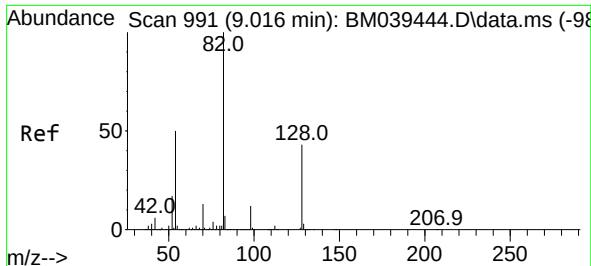
Tgt Ion: 99 Resp: 371891
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 34.4 26.8 40.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.636 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion: 136 Resp: 802990
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.8 6.9 10.3
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 13.045 ng

RT: 8.995 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

Instrument :

BNA_M

ClientSampleId :

OR-03-042023

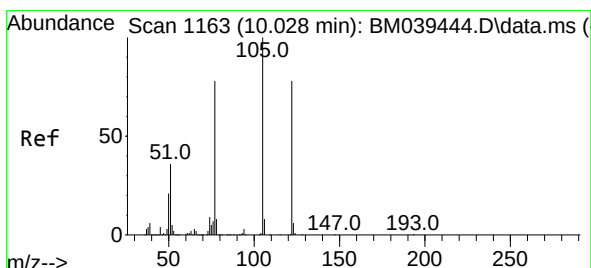
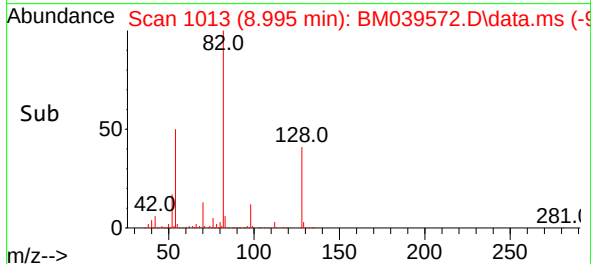
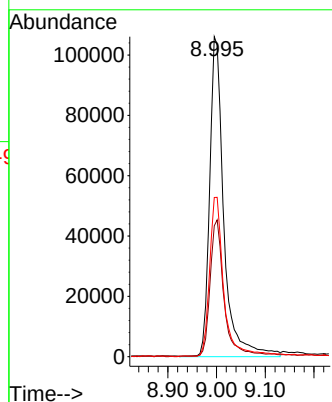
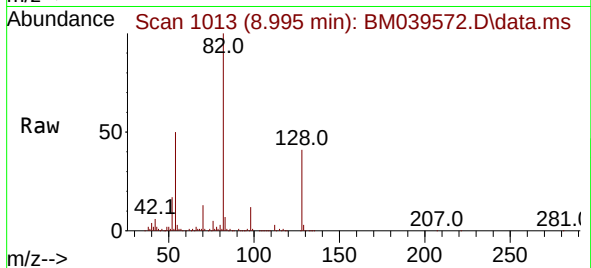
Tgt Ion: 82 Resp: 213901

Ion Ratio Lower Upper

82 100

128 40.9 34.2 51.2

54 49.7 39.7 59.5



#32

Benzoic acid

Concen: 5.998 ng

RT: 10.060 min Scan# 1194

Delta R.T. 0.053 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

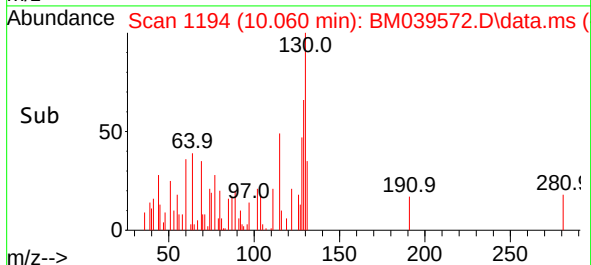
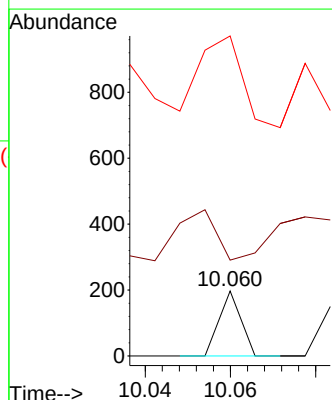
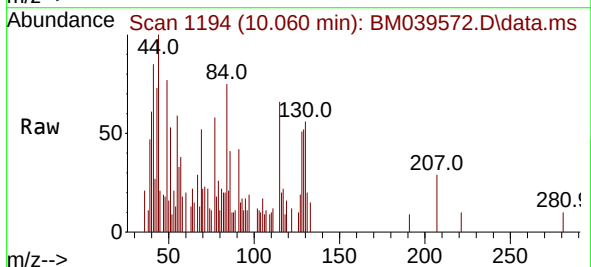
Tgt Ion:122 Resp: 70

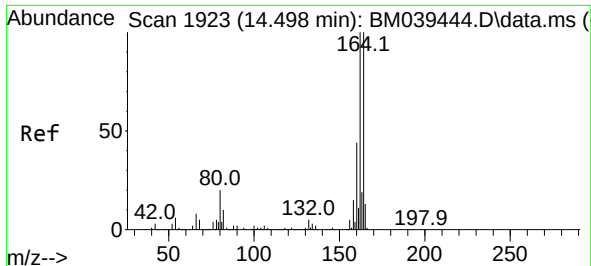
Ion Ratio Lower Upper

122 100

105 147.7 105.9 145.9#

77 492.9 78.8 118.8#

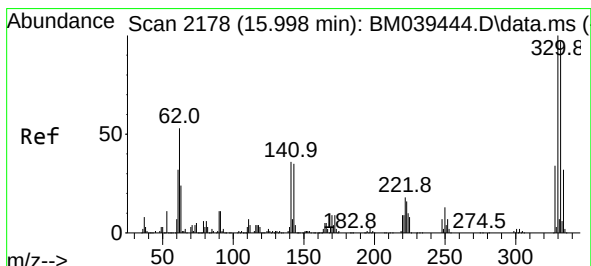
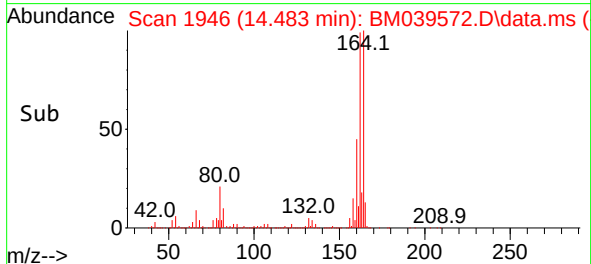
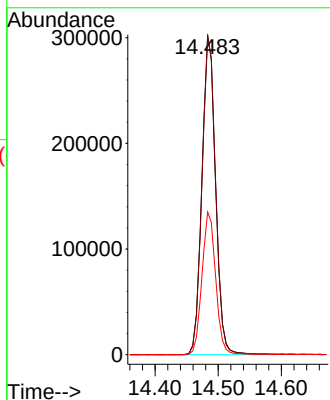
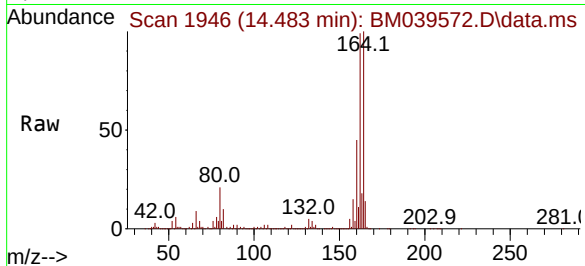




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

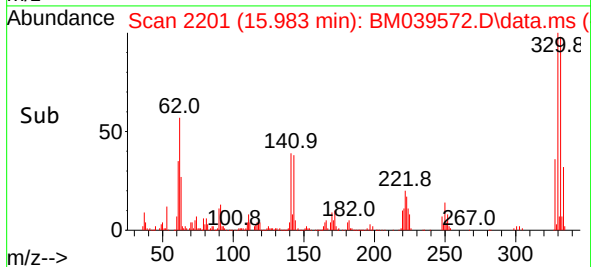
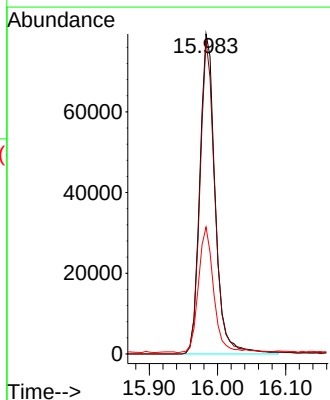
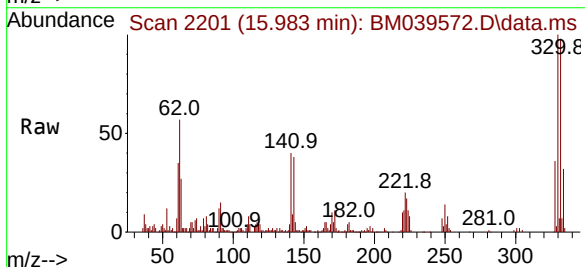
Instrument :
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ClientSampleId :
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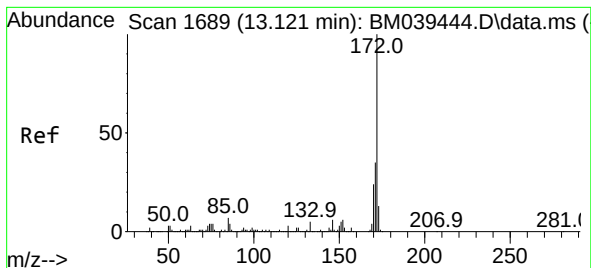
Tgt Ion:164 Resp: 451680
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 44.6 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 21.226 ng
RT: 15.983 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:330 Resp: 124413
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 39.4 31.0 46.6





#45

2-Fluorobiphenyl

Concen: 15.859 ng

RT: 13.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

Instrument :

BNA_M

ClientSampleId :

OR-03-042023

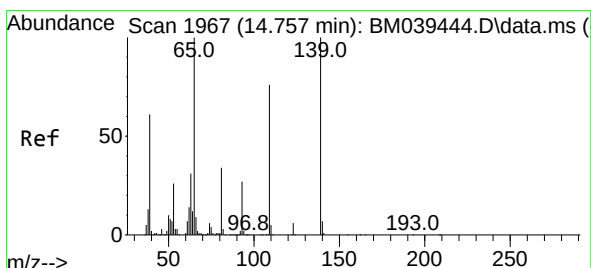
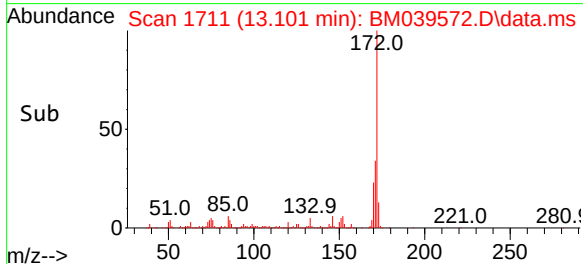
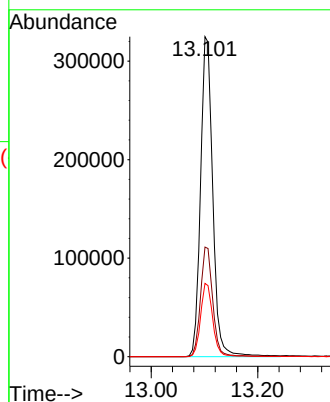
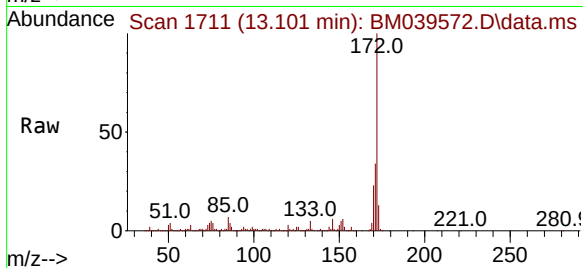
Tgt Ion:172 Resp: 517709

Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.8

170 22.9 19.0 28.4



#56

4-Nitrophenol

Concen: 5.439 ng

RT: 14.748 min Scan# 1991

Delta R.T. 0.018 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

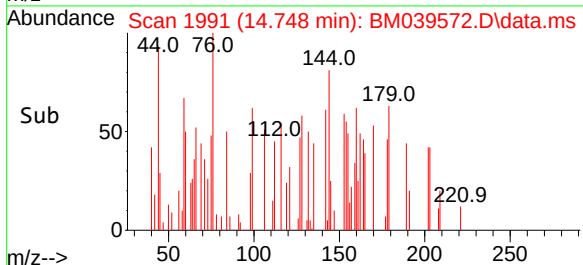
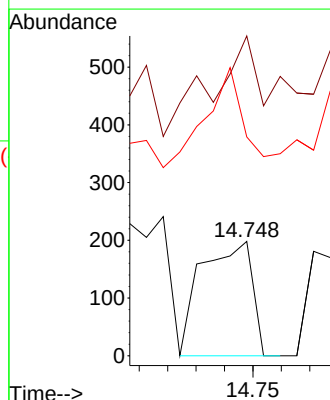
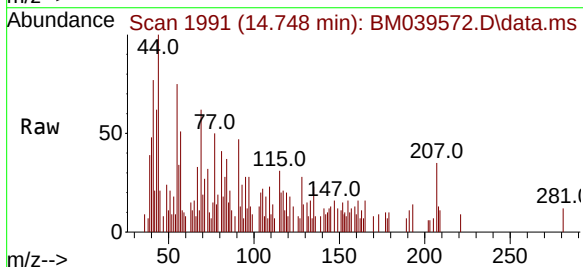
Tgt Ion:139 Resp: 245

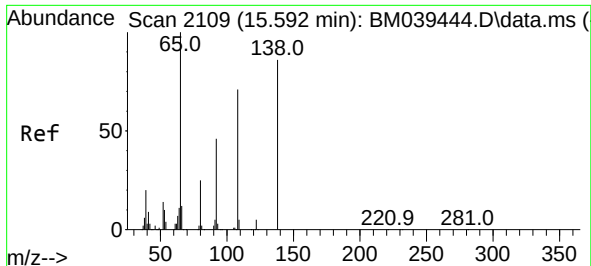
Ion Ratio Lower Upper

139 100

109 279.8 56.5 96.5#

65 191.4 81.3 121.3#

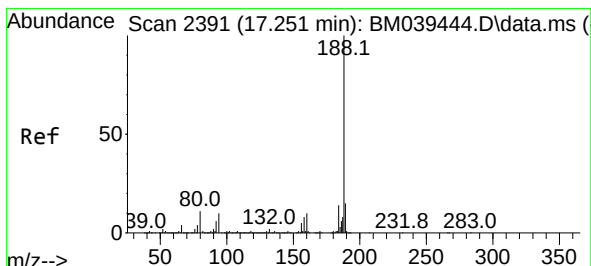
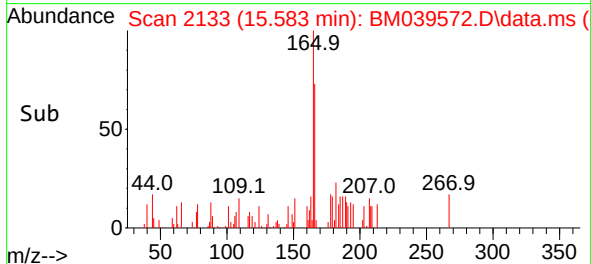
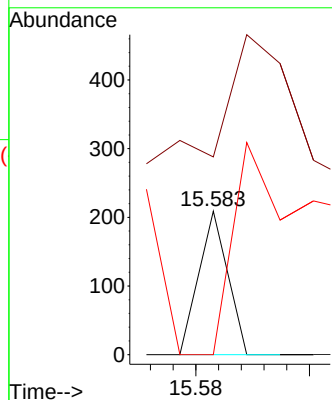
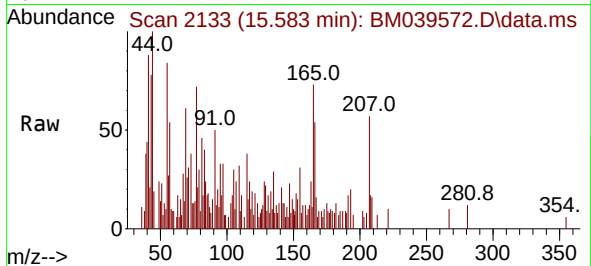




#62
4-Nitroaniline
Concen: 2.799 ng
RT: 15.583 min Scan# 2109
Delta R.T. 0.012 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

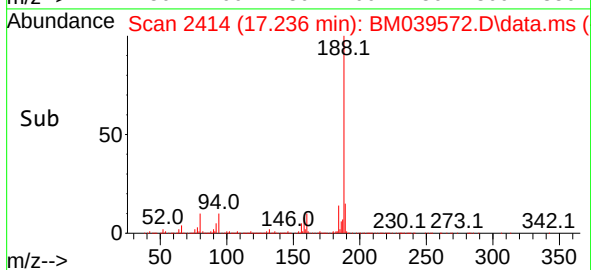
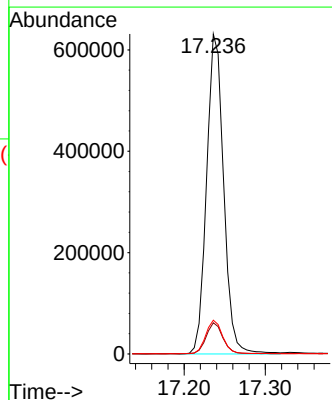
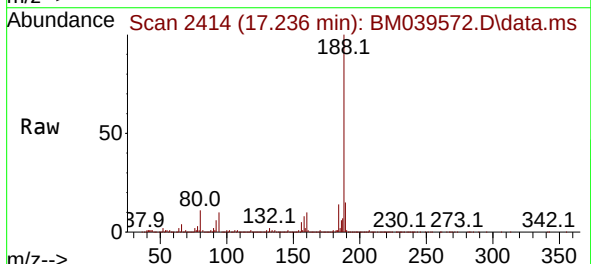
Instrument :
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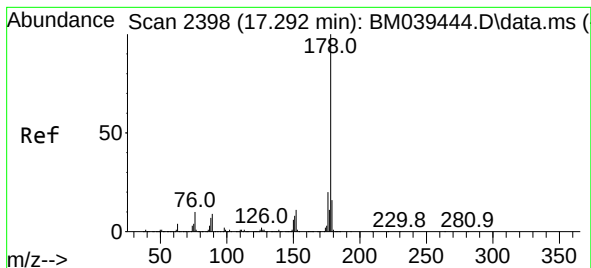
Tgt Ion:138 Resp: 74
Ion Ratio Lower Upper
138 100
92 137.8 32.6 72.6#
108 0.0 60.6 100.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:188 Resp: 919863
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.6 8.9 13.3





#71

Phenanthrene

Concen: 7.198 ng

RT: 17.283 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

Instrument :

BNA_M

ClientSampleId :

OR-03-042023

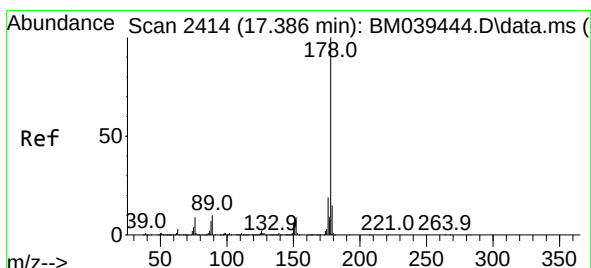
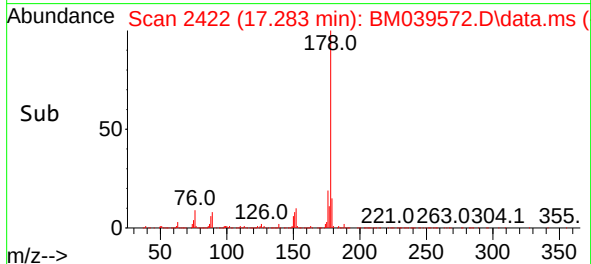
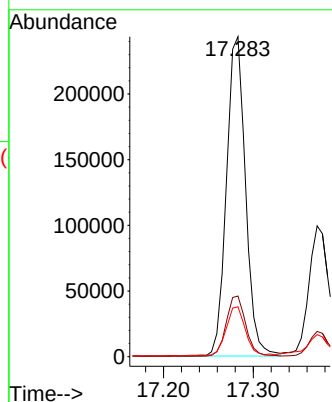
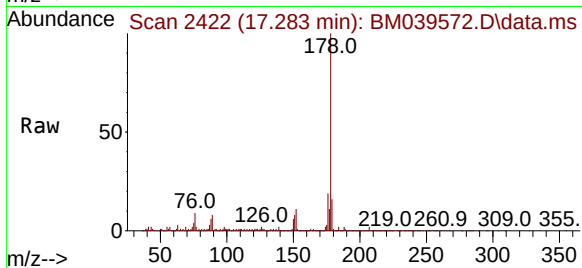
Tgt Ion:178 Resp: 359019

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 15.6 12.5 18.7



#72

Anthracene

Concen: 2.964 ng

RT: 17.371 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

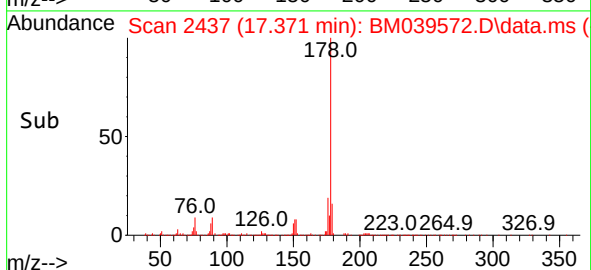
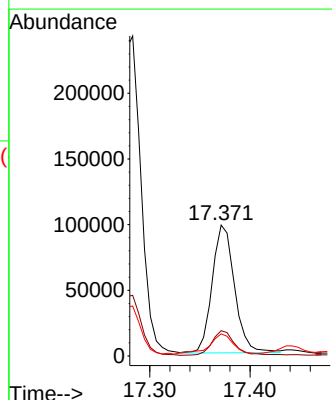
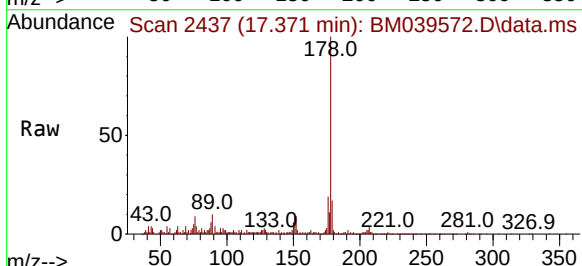
Tgt Ion:178 Resp: 151652

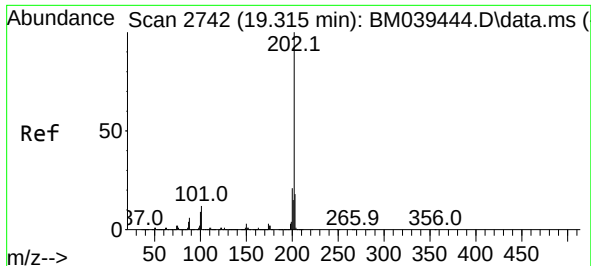
Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 16.9 12.2 18.4

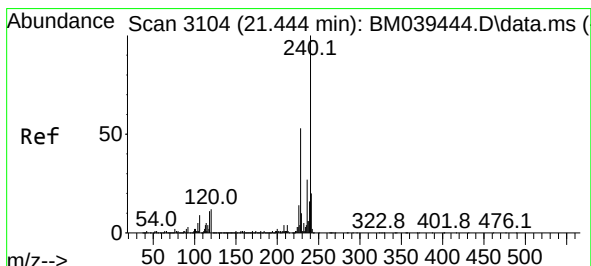
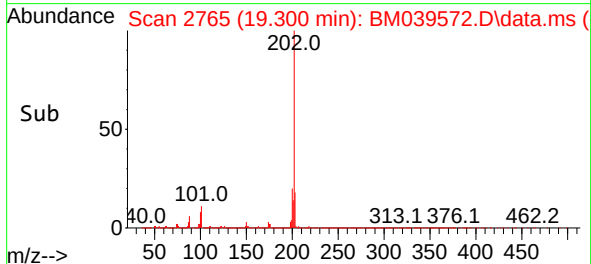
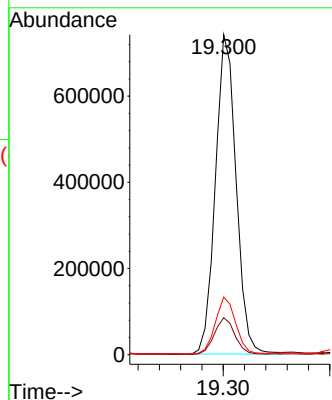
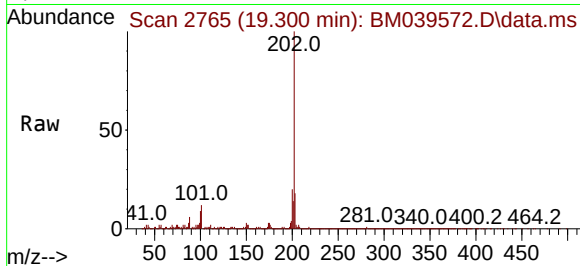




#75
Fluoranthene
Concen: 16.501 ng
RT: 19.300 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

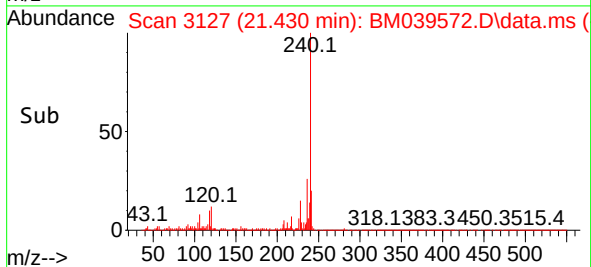
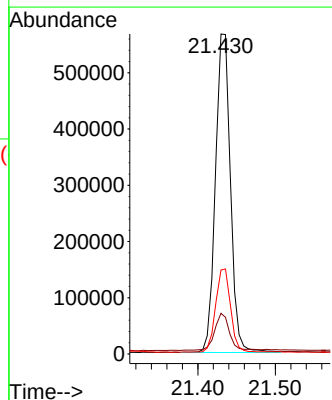
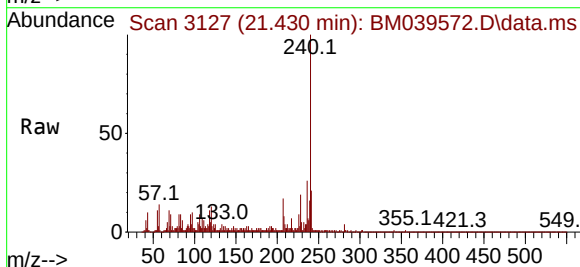
Instrument :
BNA_M
ClientSampleId :
OR-03-042023

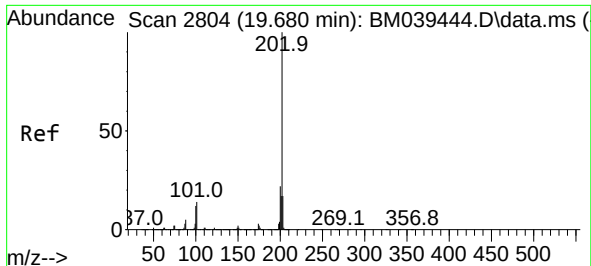
Tgt Ion:202 Resp: 998566
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.1
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.430 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:240 Resp: 764817
Ion Ratio Lower Upper
240 100
120 12.7 9.4 14.2
236 26.3 21.2 31.8

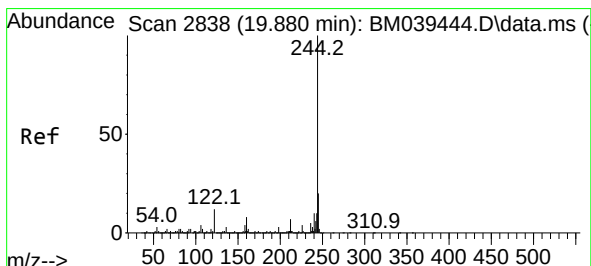
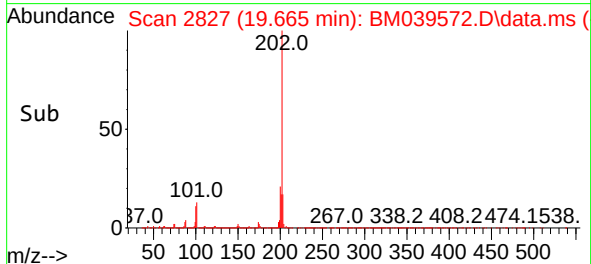
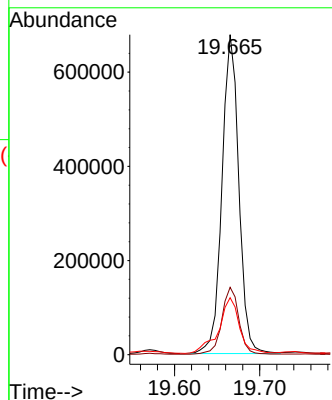
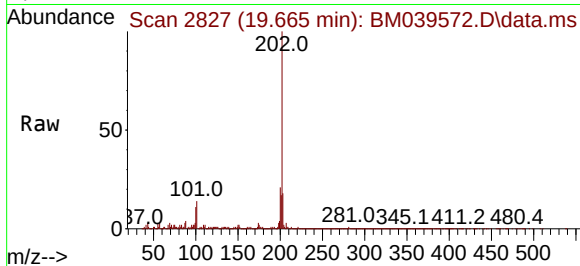




#78
Pyrene
Concen: 16.541 ng
RT: 19.665 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

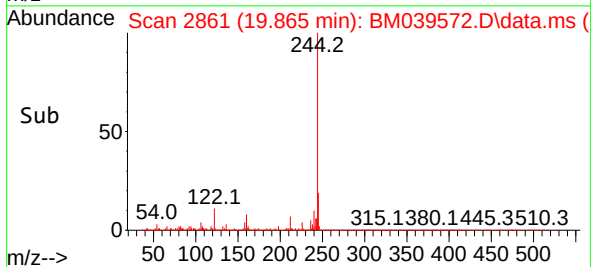
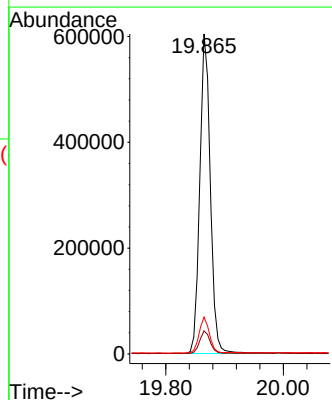
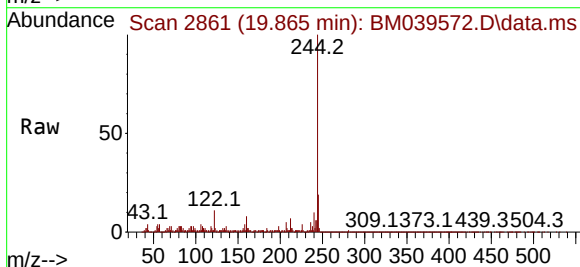
Instrument :
BNA_M
ClientSampleId :
OR-03-042023

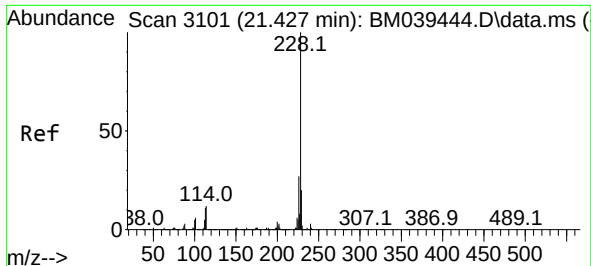
Tgt Ion:202 Resp: 930334
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.8 13.9 20.9



#79
Terphenyl-d14
Concen: 17.731 ng
RT: 19.865 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:244 Resp: 751694
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 11.5 9.5 14.3

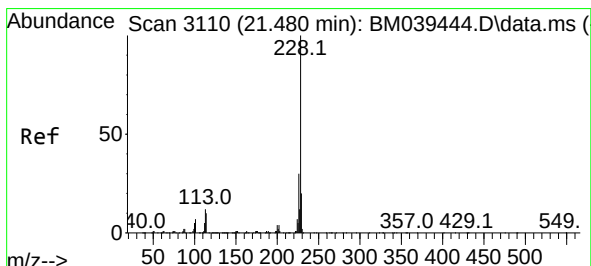
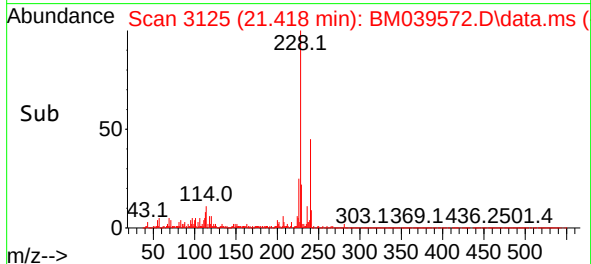
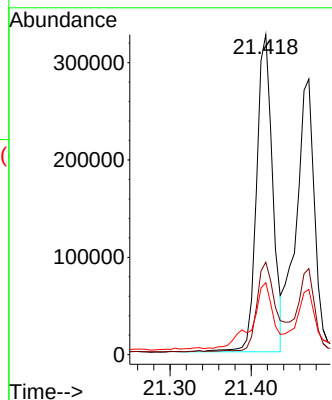
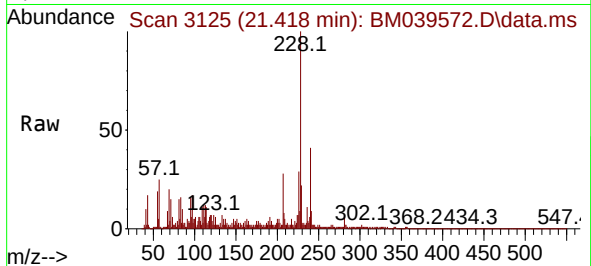




#81
Benzo(a)anthracene
Concen: 8.255 ng
RT: 21.418 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

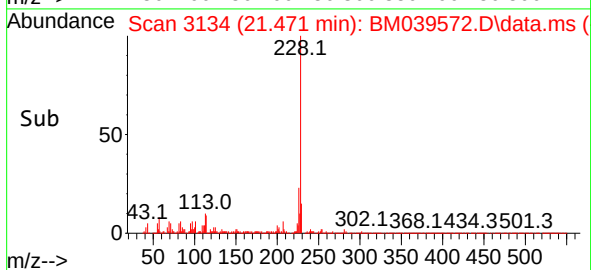
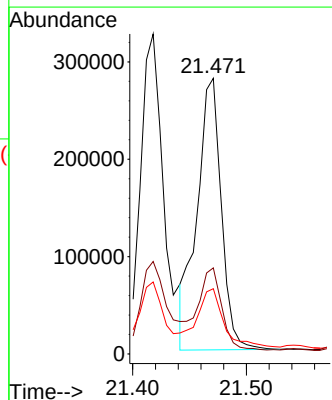
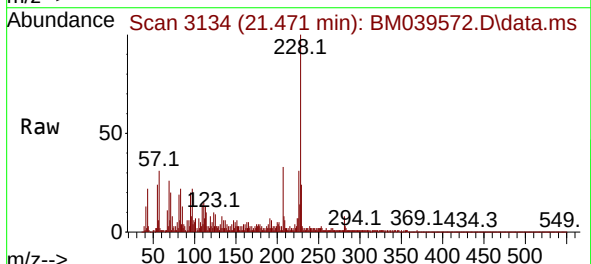
Instrument :
BNA_M
ClientSampleId :
OR-03-042023

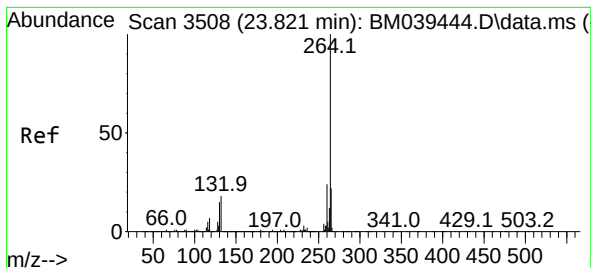
Tgt Ion:228 Resp: 448343
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 22.5 15.9 23.9



#83
Chrysene
Concen: 7.917 ng
RT: 21.471 min Scan# 3134
Delta R.T. 0.006 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:228 Resp: 416769
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 23.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.806 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

Instrument :

BNA_M

ClientSampleId :

OR-03-042023

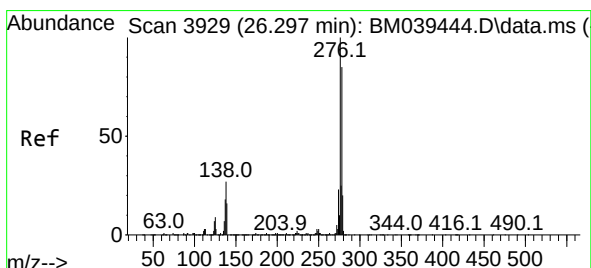
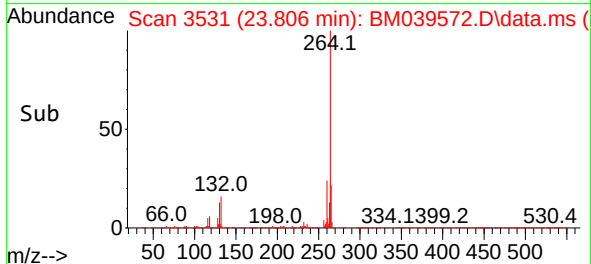
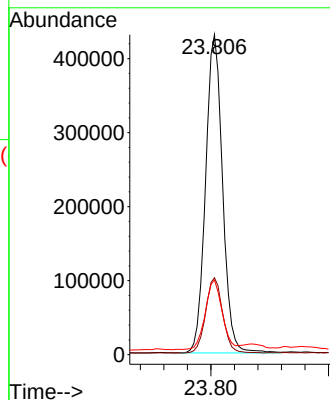
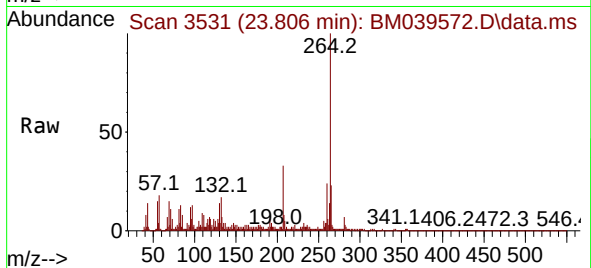
Tgt Ion:264 Resp: 861456

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 23.3 18.0 27.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.076 ng

RT: 26.265 min Scan# 3949

Delta R.T. 0.029 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

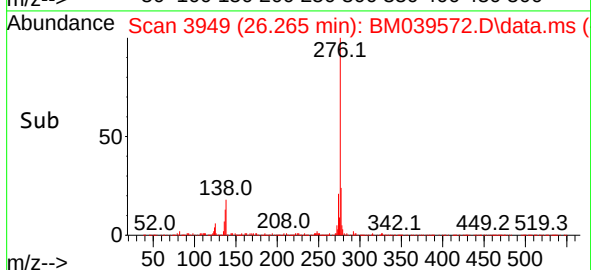
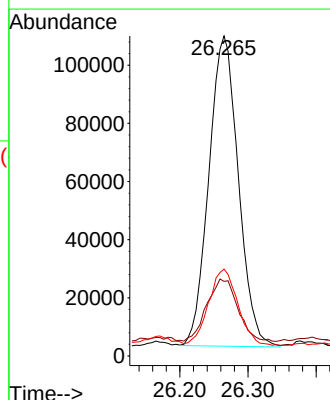
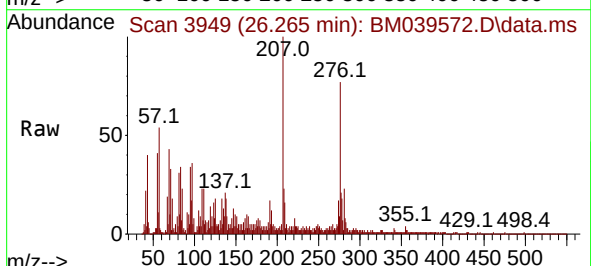
Tgt Ion:276 Resp: 321341

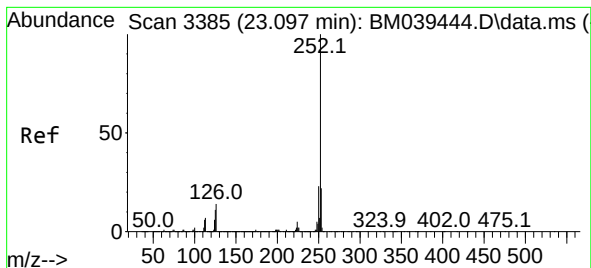
Ion Ratio Lower Upper

276 100

138 21.0 21.4 32.0#

277 24.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 16.542 ng

RT: 23.083 min Scan# 3408

Delta R.T. 0.012 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

Instrument :

BNA_M

ClientSampleId :

OR-03-042023

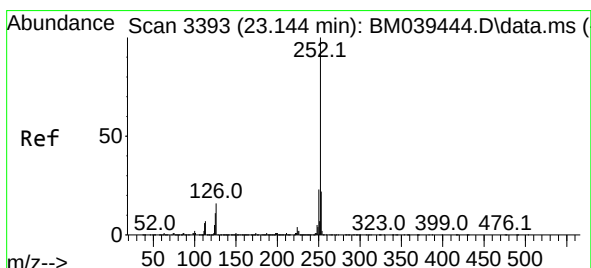
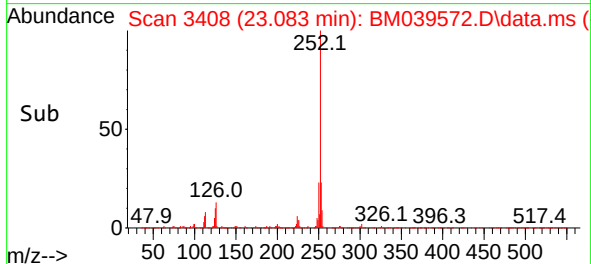
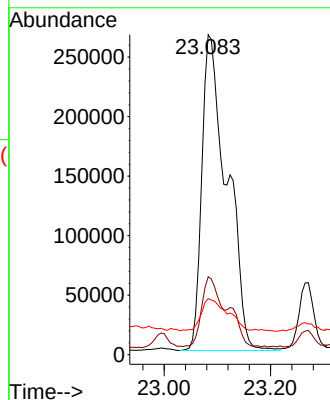
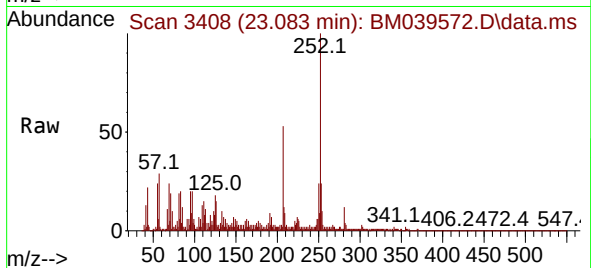
Tgt Ion:252 Resp: 868857

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 17.5 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 15.823 ng

RT: 23.083 min Scan# 3408

Delta R.T. -0.035 min

Lab File: BM039572.D

Acq: 22 Apr 2023 03:43

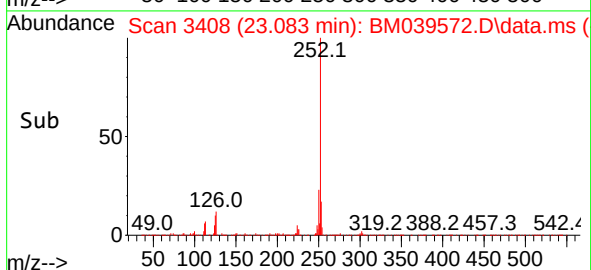
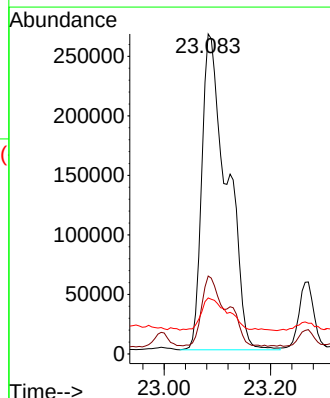
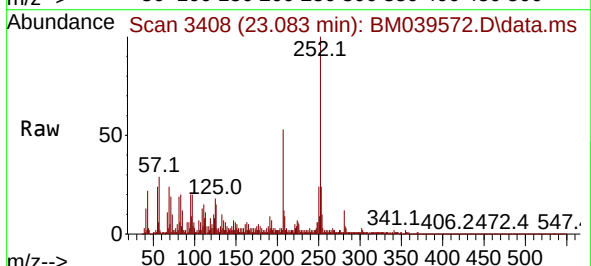
Tgt Ion:252 Resp: 868857

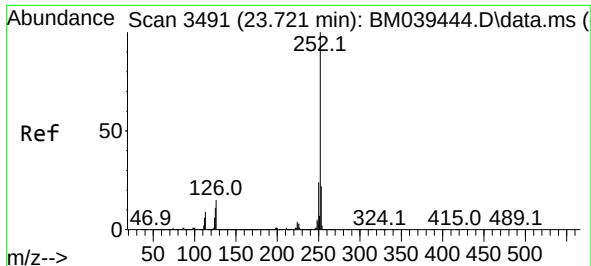
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 17.5 8.8 13.2#

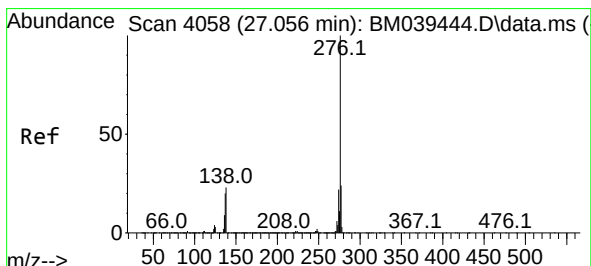
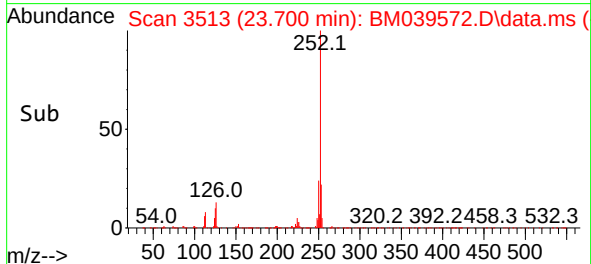
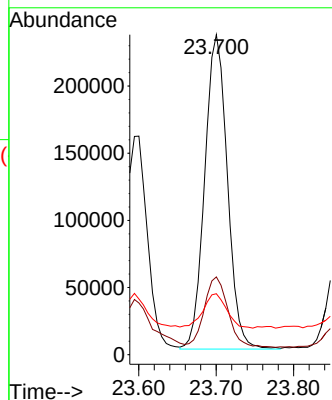
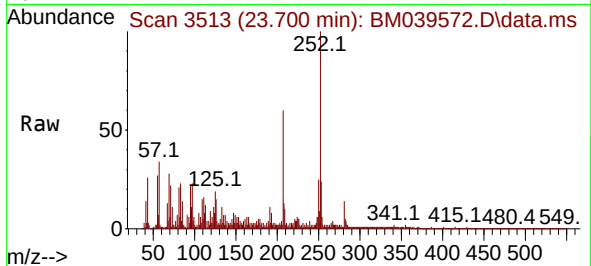




#90
Benzo(a)pyrene
Concen: 9.119 ng
RT: 23.700 min Scan# 31
Delta R.T. 0.018 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Instrument :
BNA_M
ClientSampleId :
OR-03-042023

Tgt Ion:252 Resp: 476009
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 19.0 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 6.011 ng
RT: 27.023 min Scan# 4078
Delta R.T. 0.035 min
Lab File: BM039572.D
Acq: 22 Apr 2023 03:43

Tgt Ion:276 Resp: 313469
Ion Ratio Lower Upper
276 100
277 26.7 19.1 28.7
138 25.1 18.8 28.2

