

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039571.D
 Acq On : 22 Apr 2023 03:06
 Operator : CG/JU
 Sample : 02426-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-3-041923

Quant Time: Apr 22 04:59:04 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)

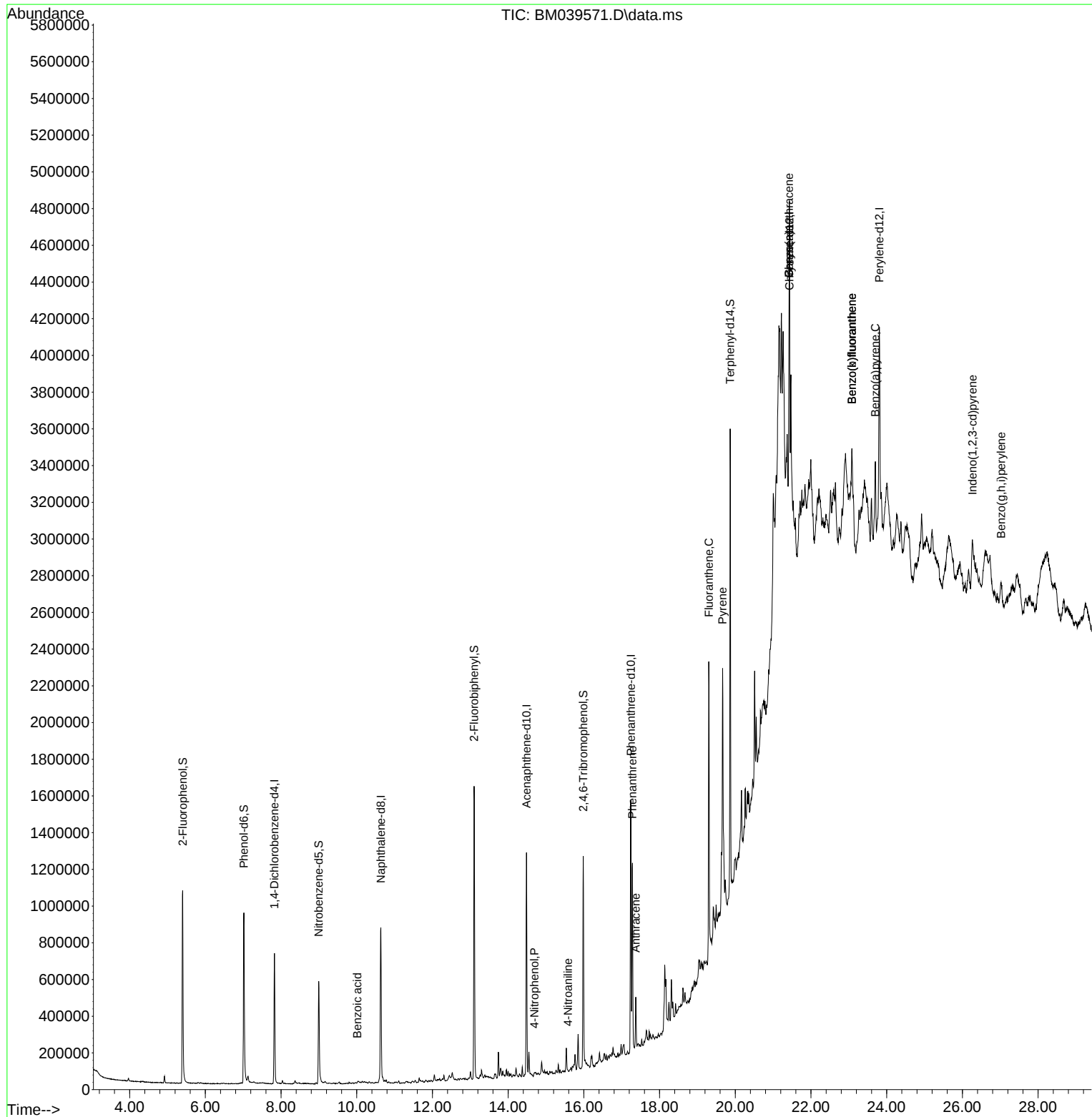
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	190739	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	736566	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	421839	20.000	ng	0.00
64) Phenanthrene-d10	17.242	188	857723	20.000	ng	0.01
76) Chrysene-d12	21.430	240	707860	20.000	ng	0.00
86) Perylene-d12	23.806	264	790969	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	502150	43.013	ng	0.01
7) Phenol-d6	7.019	99	622513	36.283	ng	0.01
23) Nitrobenzene-d5	8.995	82	364097	24.207	ng	0.00
42) 2,4,6-Tribromophenol	15.983	330	207661	37.936	ng	0.00
45) 2-Fluorobiphenyl	13.101	172	844388	27.696	ng	0.00
79) Terphenyl-d14	19.865	244	1217353	31.025	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.013	122	315	6.022	ng	# 1
56) 4-Nitrophenol	14.695	139	642	5.503	ng	# 51
62) 4-Nitroaniline	15.583	138	330	2.833	ng	# 1
71) Phenanthrene	17.283	178	614597	13.214	ng	100
72) Anthracene	17.371	178	169542	3.554	ng	98
75) Fluoranthene	19.301	202	919920	16.302	ng	99
78) Pyrene	19.665	202	798130	15.332	ng	99
81) Benzo(a)anthracene	21.418	228	382385	7.607	ng	97
83) Chrysene	21.418	228	382385	7.848	ng	97
87) Indeno(1,2,3-cd)pyrene	26.265	276	186597	3.210	ng	95
88) Benzo(b)fluoranthene	23.083	252	399851	8.291	ng	# 83
89) Benzo(k)fluoranthene	23.083	252	399851	7.931	ng	# 83
90) Benzo(a)pyrene	23.700	252	312392	6.518	ng	# 83
92) Benzo(g,h,i)perylene	27.024	276	190393	3.976	ng	# 89

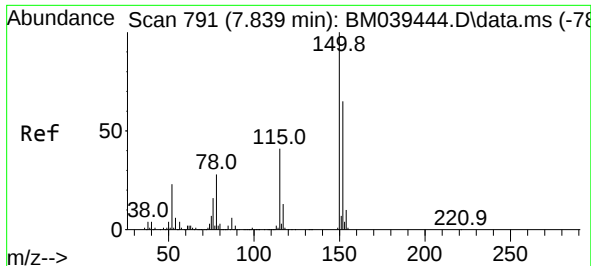
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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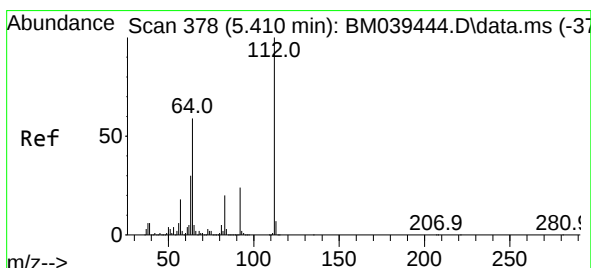
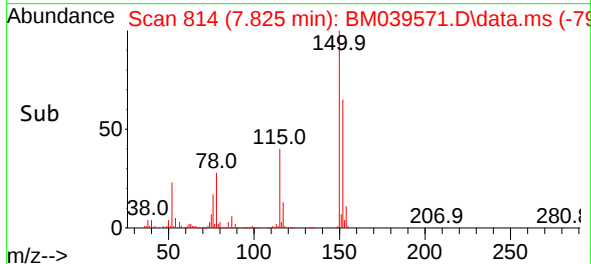
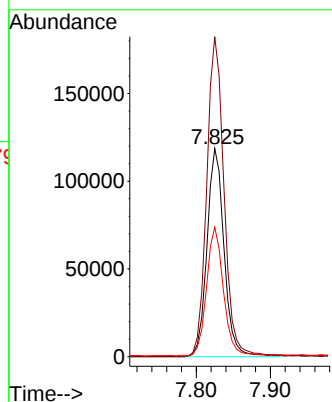
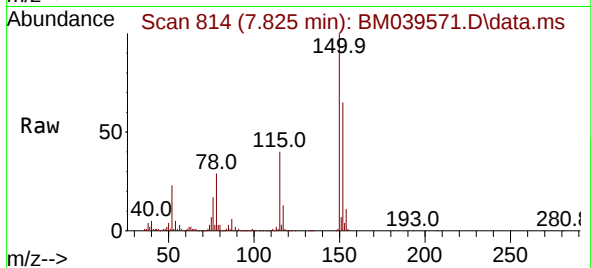




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

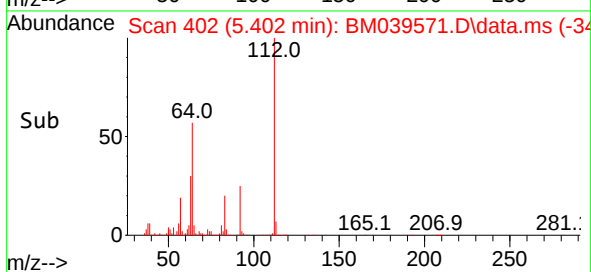
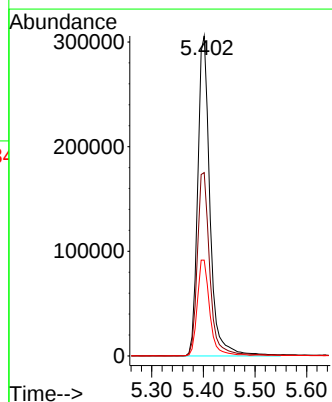
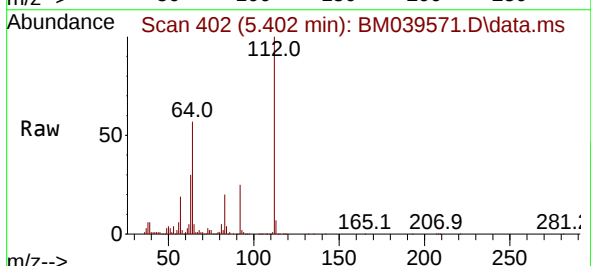
Instrument :
BNA_M
ClientSampleId :
EO-3-041923

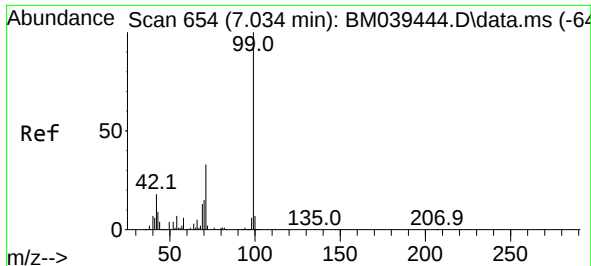
Tgt Ion:152 Resp: 190739
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.4
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 43.013 ng
RT: 5.402 min Scan# 402
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:112 Resp: 502150
Ion Ratio Lower Upper
112 100
64 57.3 47.0 70.4
63 30.0 24.2 36.4

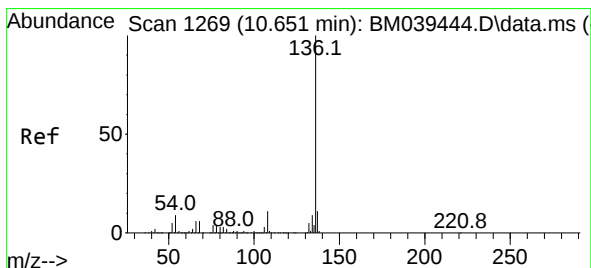
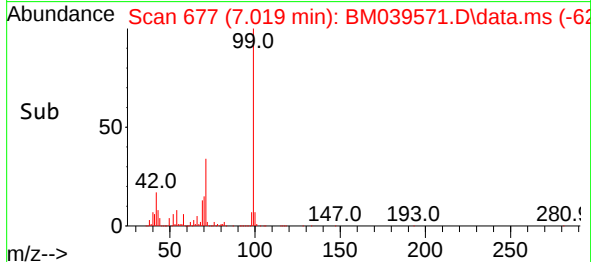
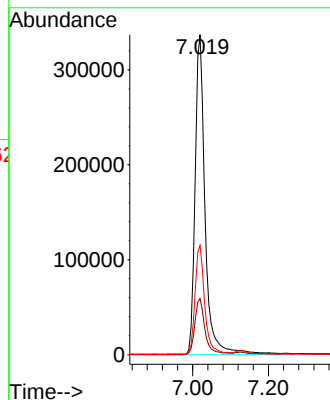
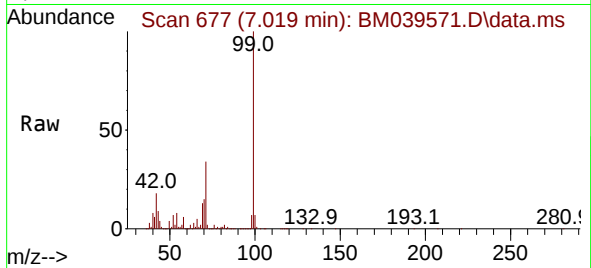




#7
Phenol-d6
Concen: 36.283 ng
RT: 7.019 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

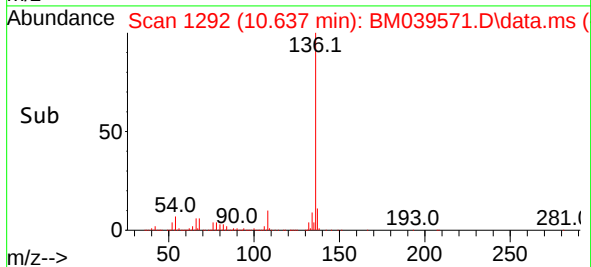
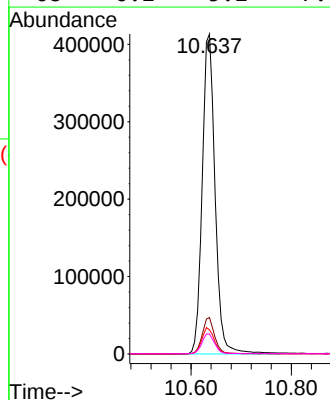
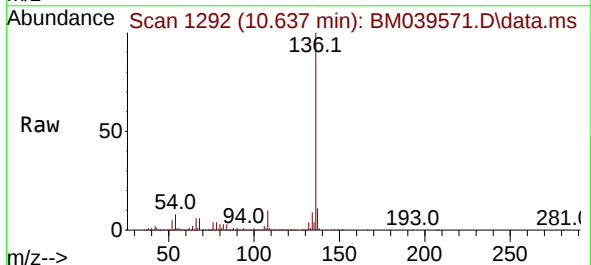
Instrument :
BNA_M
ClientSampleId :
EO-3-041923

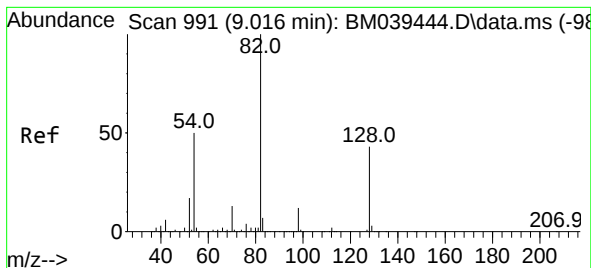
Tgt Ion: 99 Resp: 622513
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 34.2 26.8 40.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion: 136 Resp: 736566
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 7.5 6.9 10.3
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 24.207 ng

RT: 8.995 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BM039571.D

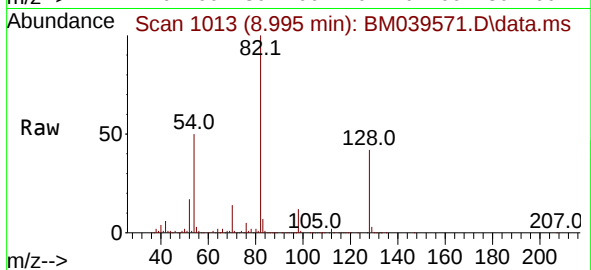
Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923



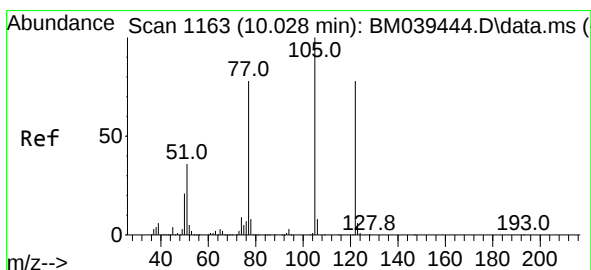
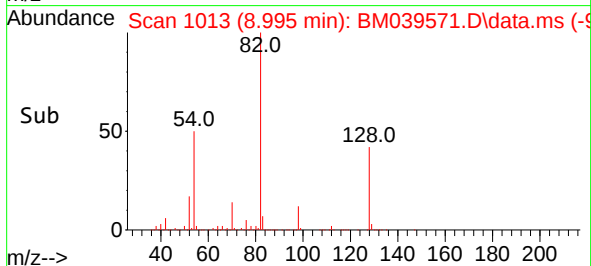
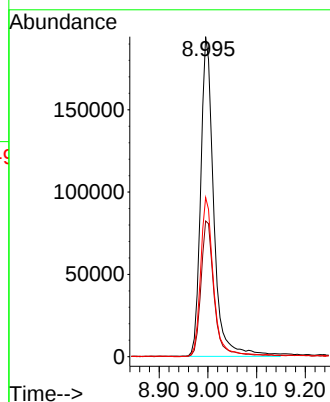
Tgt Ion: 82 Resp: 364097

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.2

54 49.8 39.7 59.5



#32

Benzoic acid

Concen: 6.022 ng

RT: 10.013 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

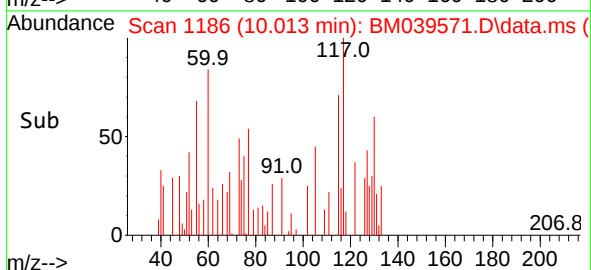
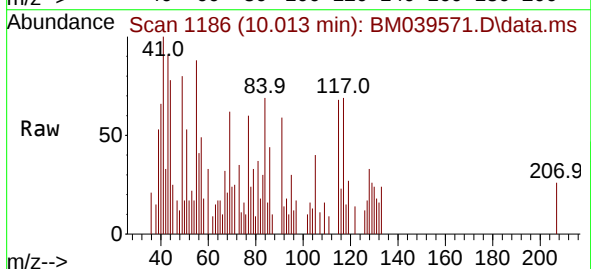
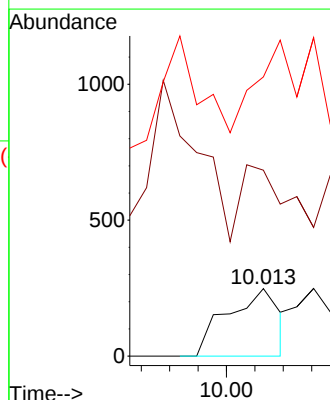
Tgt Ion: 122 Resp: 315

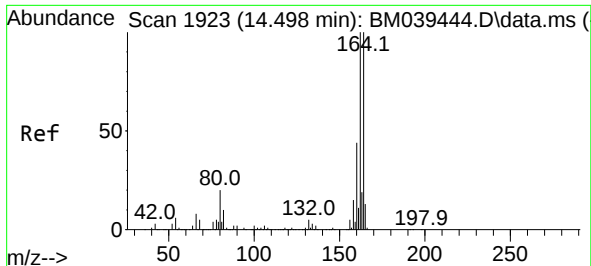
Ion Ratio Lower Upper

122 100

105 275.8 105.9 145.9#

77 414.1 78.8 118.8#

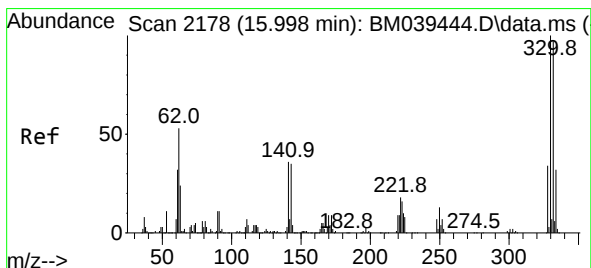
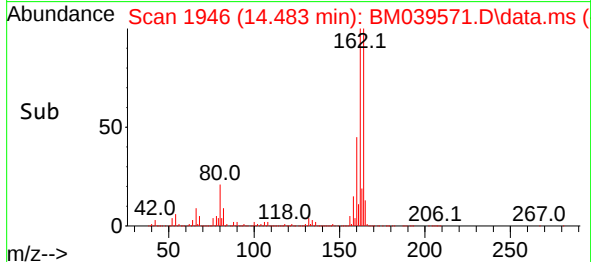
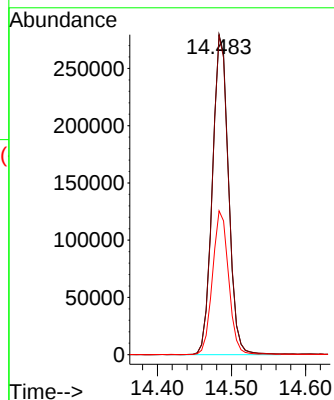
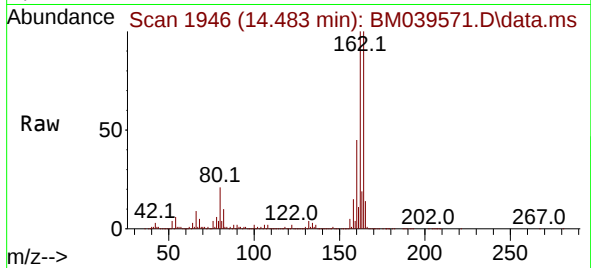




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

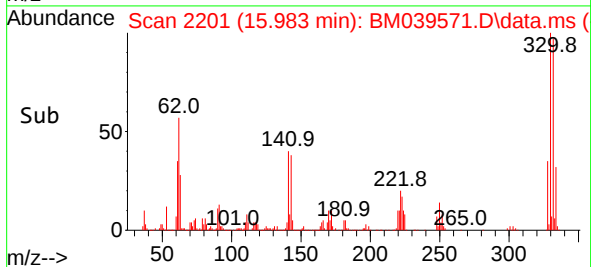
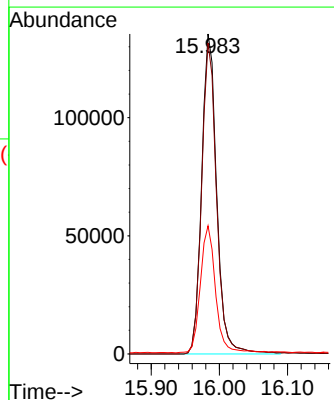
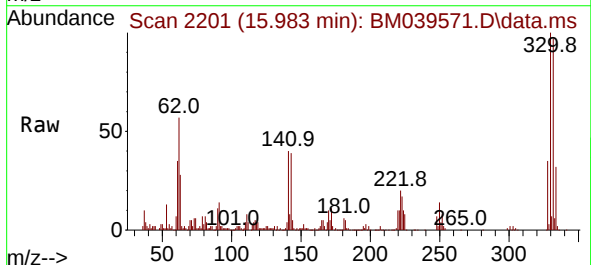
Instrument :
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ClientSampleId :
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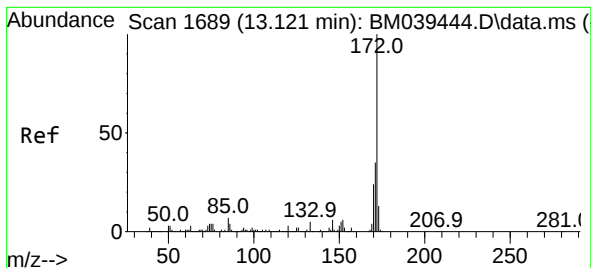
Tgt Ion:164 Resp: 421839
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 44.9 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 37.936 ng
RT: 15.983 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:330 Resp: 207661
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 39.9 31.0 46.6





#45

2-Fluorobiphenyl

Concen: 27.696 ng

RT: 13.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

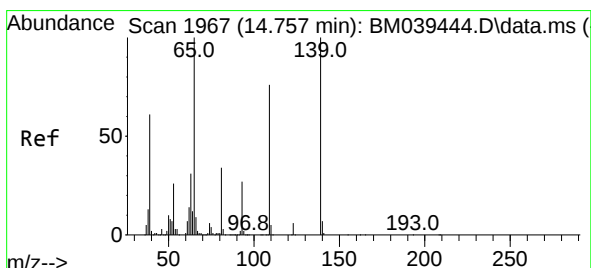
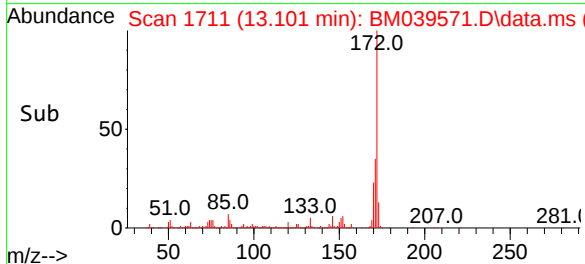
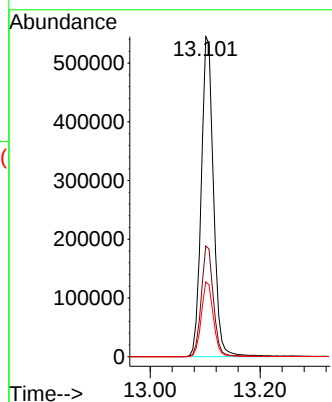
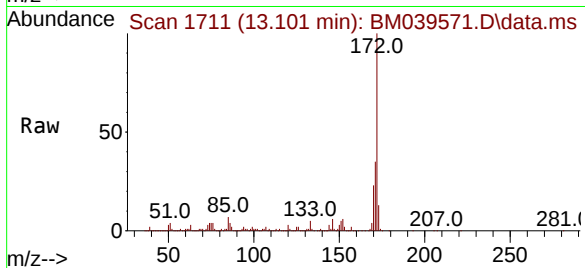
Tgt Ion:172 Resp: 844388

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.8

170 23.3 19.0 28.4



#56

4-Nitrophenol

Concen: 5.503 ng

RT: 14.695 min Scan# 1982

Delta R.T. -0.035 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

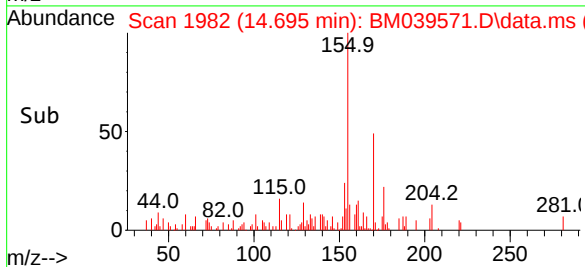
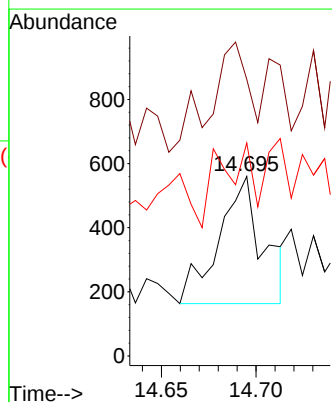
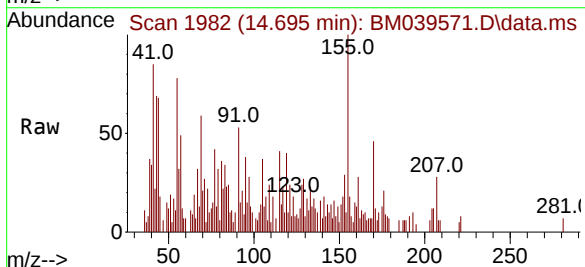
Tgt Ion:139 Resp: 642

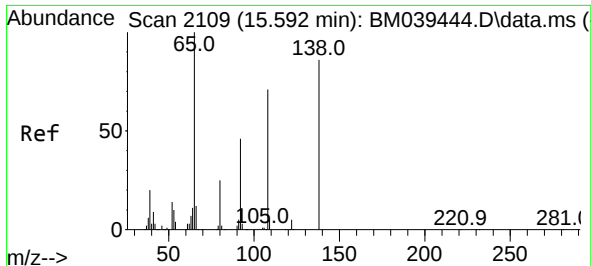
Ion Ratio Lower Upper

139 100

109 154.1 56.5 96.5#

65 118.6 81.3 121.3

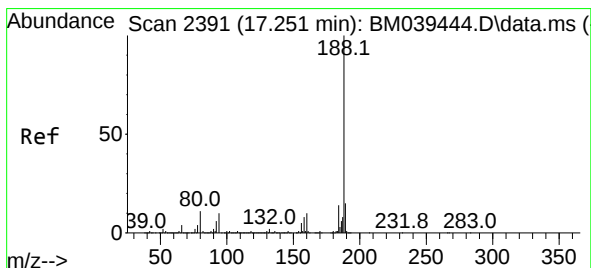
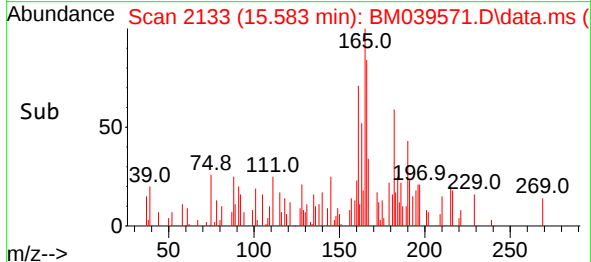
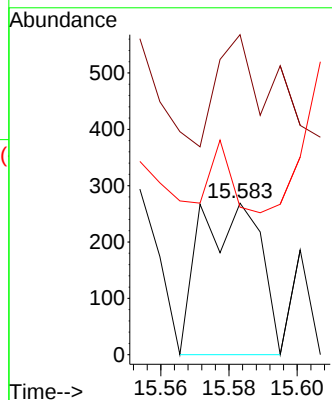
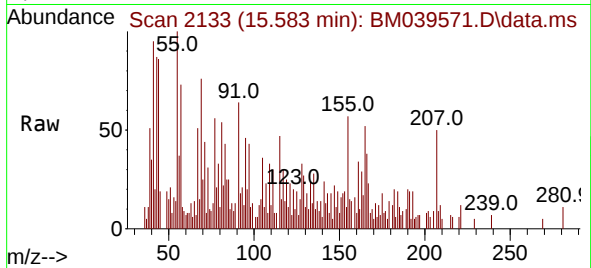




#62
4-Nitroaniline
Concen: 2.833 ng
RT: 15.583 min Scan# 2109
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

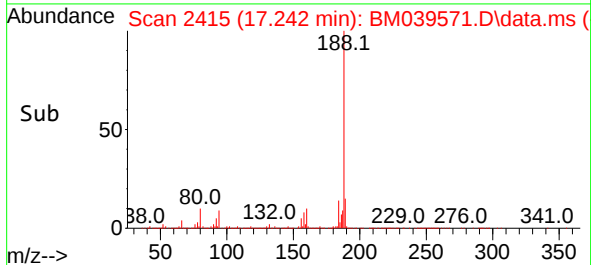
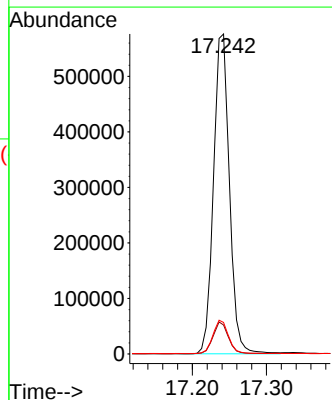
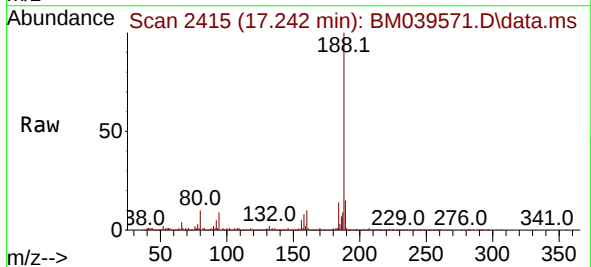
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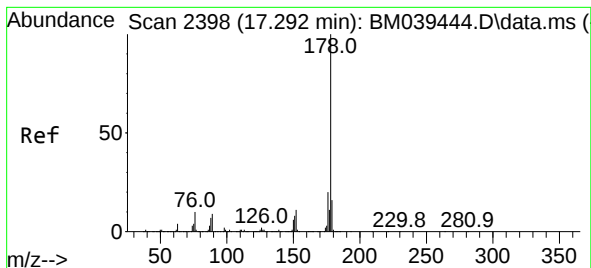
Tgt Ion:138 Resp: 330
Ion Ratio Lower Upper
138 100
92 211.2 32.6 72.6#
108 97.4 60.6 100.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.242 min Scan# 2415
Delta R.T. 0.012 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:188 Resp: 857723
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 9.9 8.9 13.3





#71

Phenanthrene

Concen: 13.214 ng

RT: 17.283 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

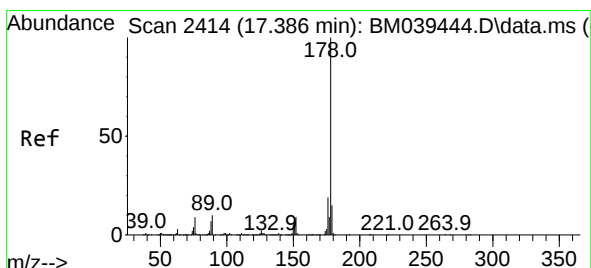
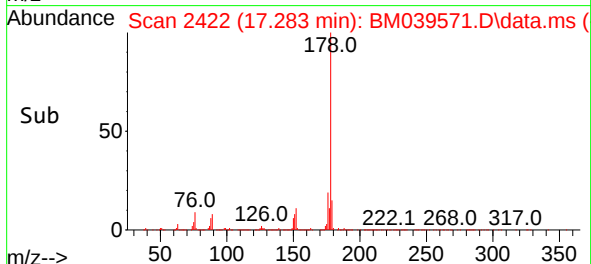
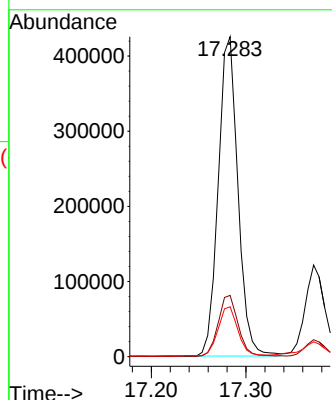
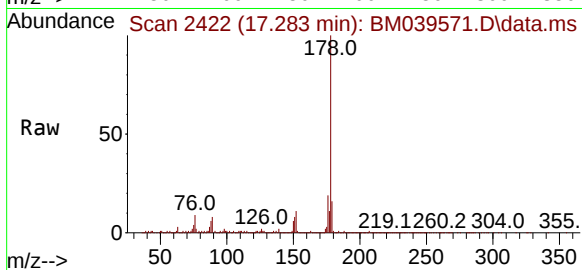
Tgt Ion:178 Resp: 614597

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.6 12.5 18.7



#72

Anthracene

Concen: 3.554 ng

RT: 17.371 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

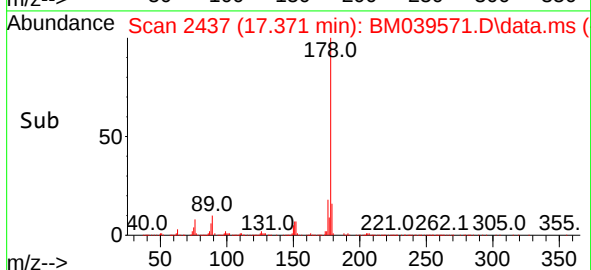
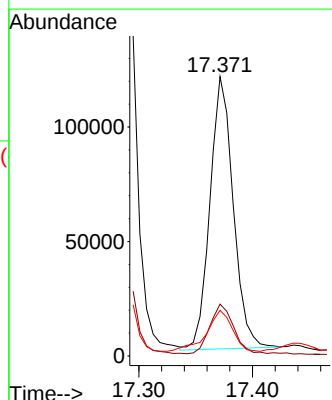
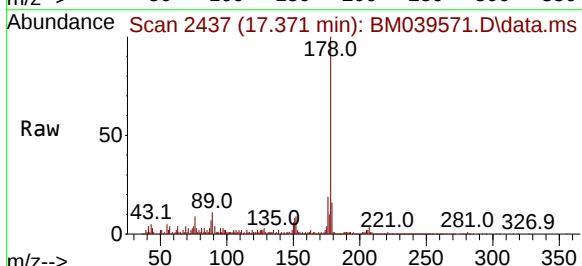
Tgt Ion:178 Resp: 169542

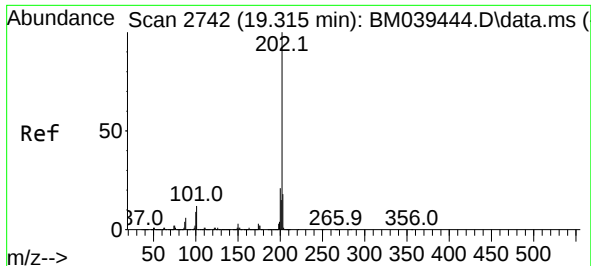
Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 16.3 12.2 18.4

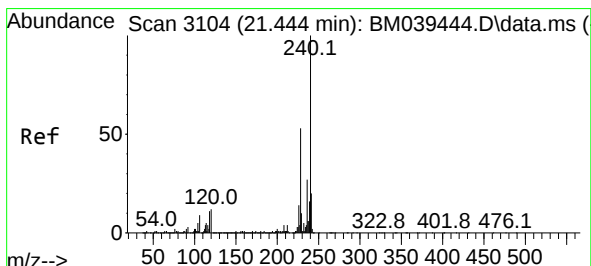
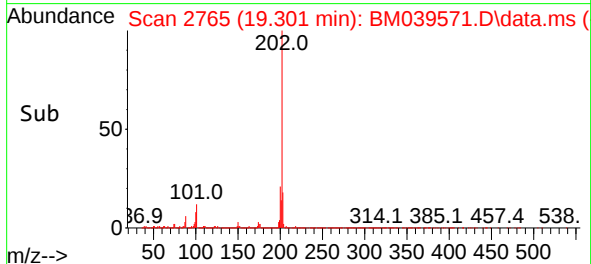
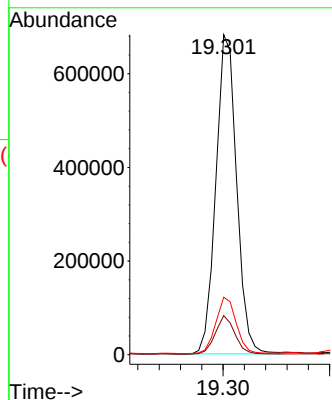
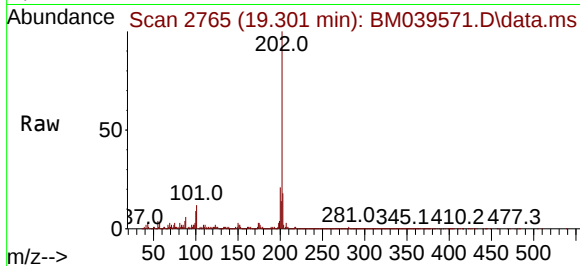




#75
Fluoranthene
Concen: 16.302 ng
RT: 19.301 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

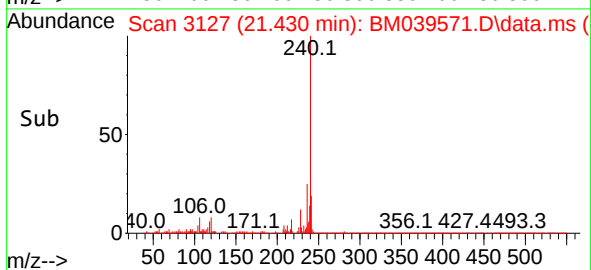
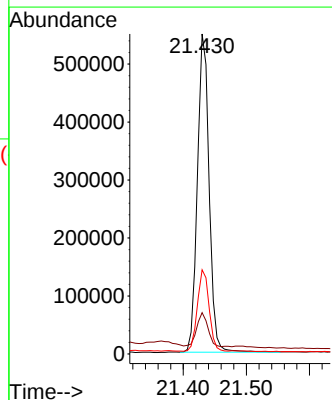
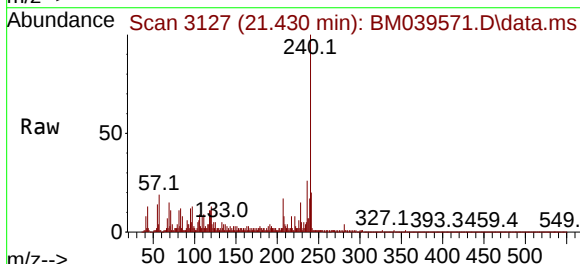
Instrument :
BNA_M
ClientSampleId :
EO-3-041923

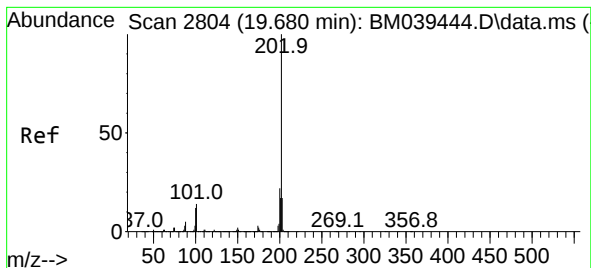
Tgt Ion:202 Resp: 919920
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.1
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.430 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:240 Resp: 707860
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 26.3 21.2 31.8





#78

Pyrene

Concen: 15.332 ng

RT: 19.665 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

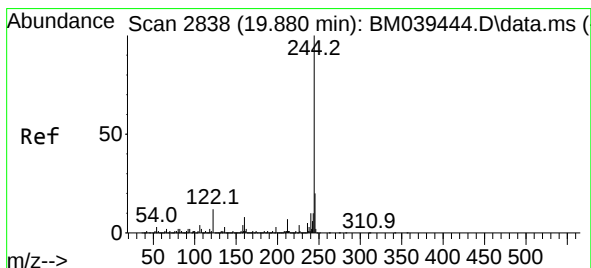
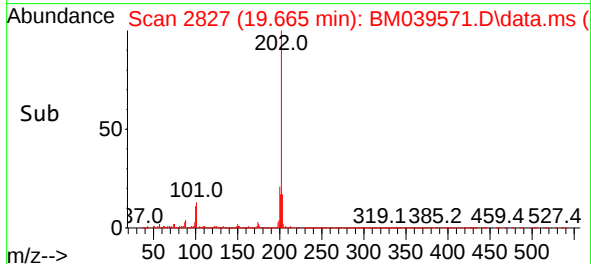
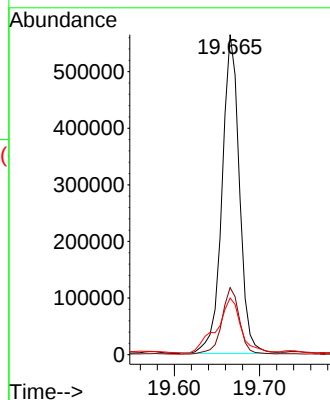
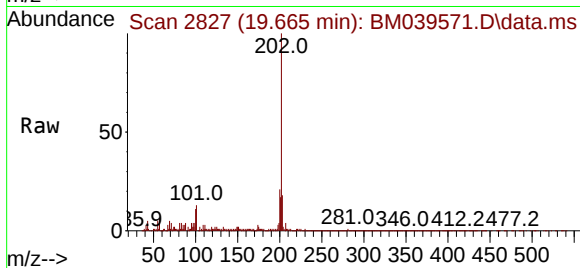
Tgt Ion:202 Resp: 798130

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 31.025 ng

RT: 19.865 min Scan# 2861

Delta R.T. 0.000 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

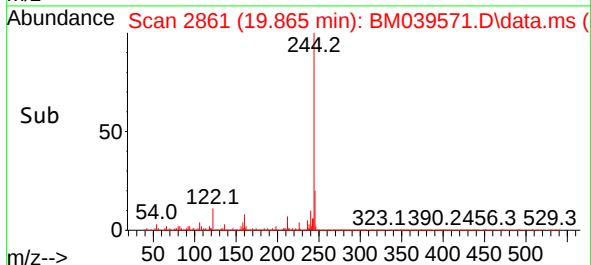
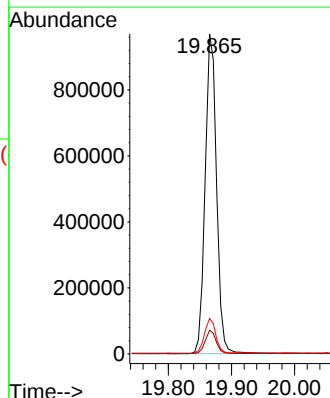
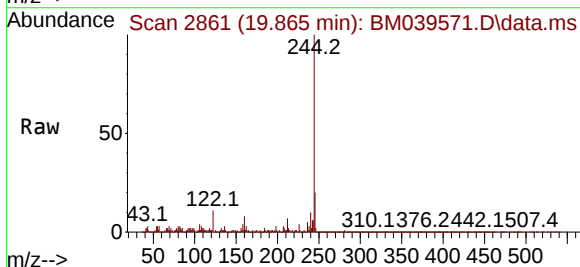
Tgt Ion:244 Resp: 1217353

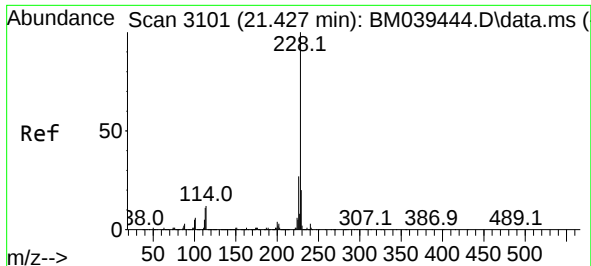
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 11.1 9.5 14.3

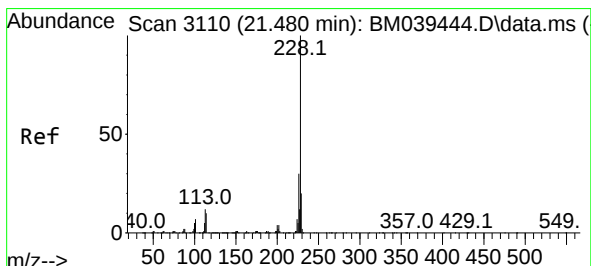
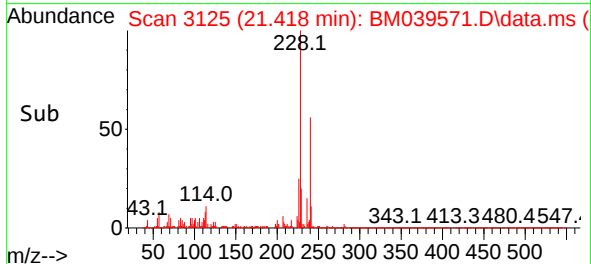
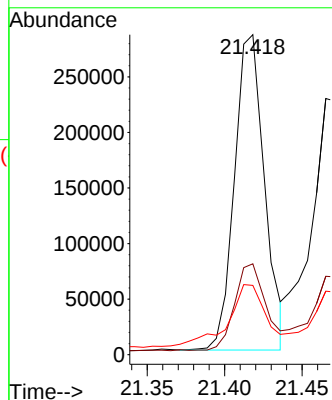
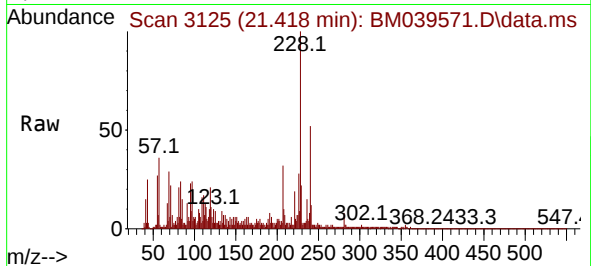




#81
Benzo(a)anthracene
Concen: 7.607 ng
RT: 21.418 min Scan# 3101
Delta R.T. 0.006 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

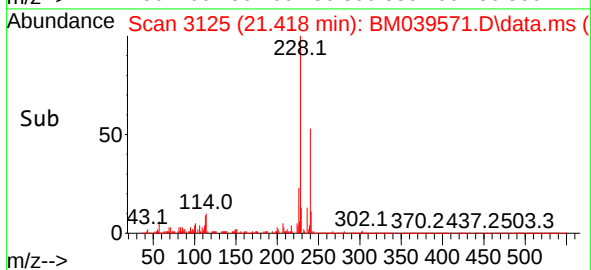
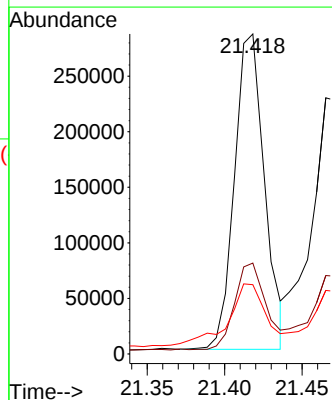
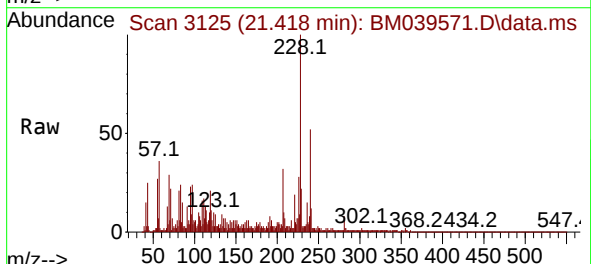
Instrument :
BNA_M
ClientSampleId :
EO-3-041923

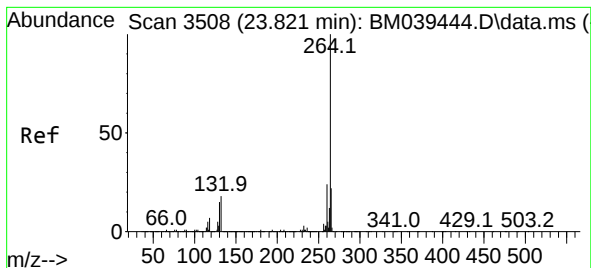
Tgt Ion:228 Resp: 382385
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.8
229 21.7 15.9 23.9



#83
Chrysene
Concen: 7.848 ng
RT: 21.418 min Scan# 3125
Delta R.T. -0.047 min
Lab File: BM039571.D
Acq: 22 Apr 2023 03:06

Tgt Ion:228 Resp: 382385
Ion Ratio Lower Upper
228 100
226 28.4 24.0 36.0
229 21.7 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: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

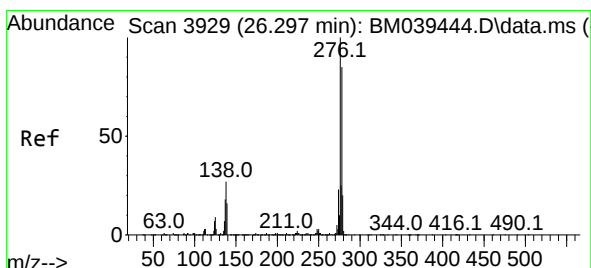
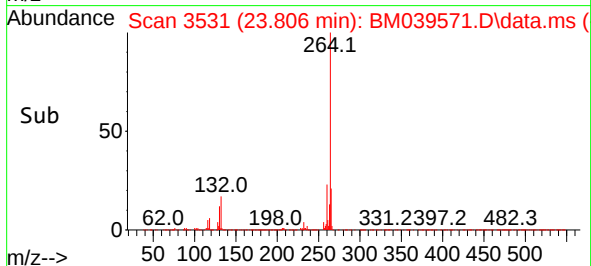
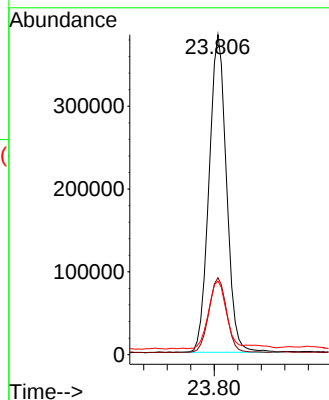
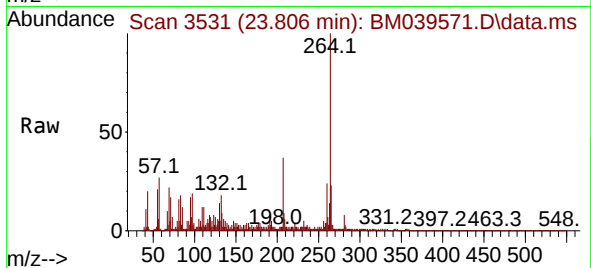
Tgt Ion:264 Resp: 790969

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 23.0 18.0 27.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.210 ng

RT: 26.265 min Scan# 3949

Delta R.T. 0.030 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

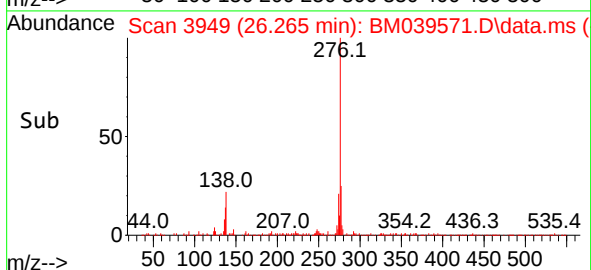
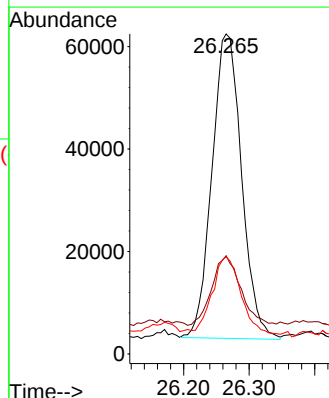
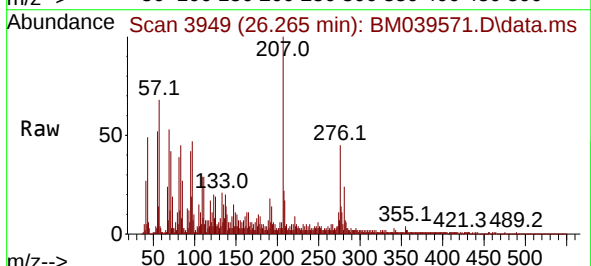
Tgt Ion:276 Resp: 186597

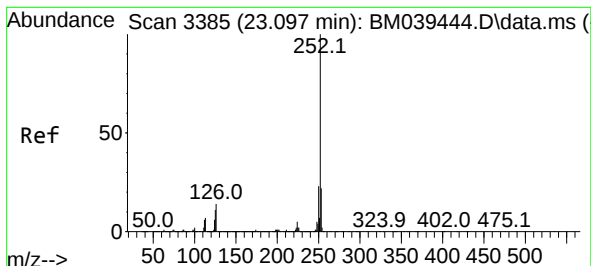
Ion Ratio Lower Upper

276 100

138 22.4 21.4 32.0

277 24.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.291 ng

RT: 23.083 min Scan# 3408

Delta R.T. 0.012 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

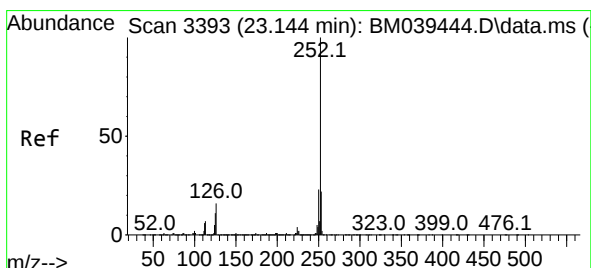
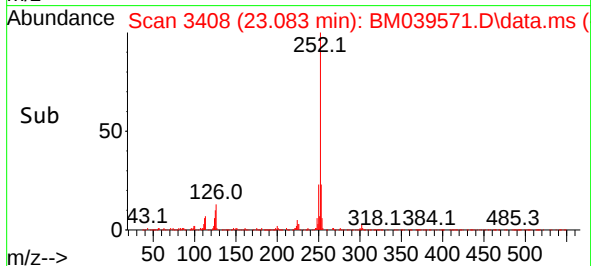
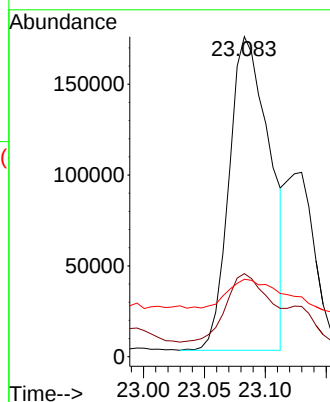
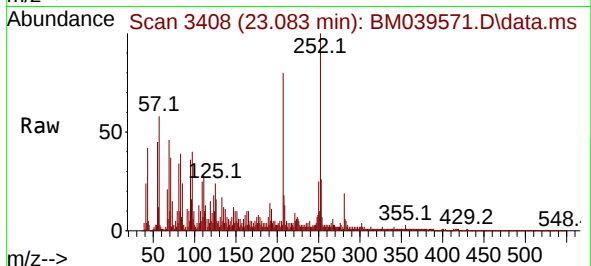
Tgt Ion:252 Resp: 399851

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.6

125 24.2 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 7.931 ng

RT: 23.083 min Scan# 3408

Delta R.T. -0.035 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

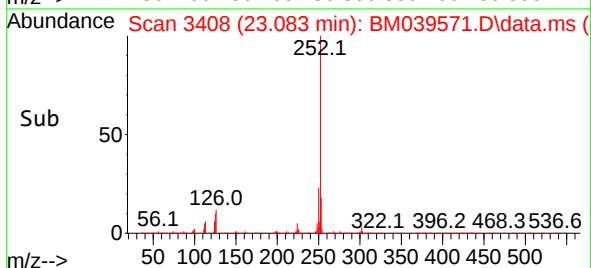
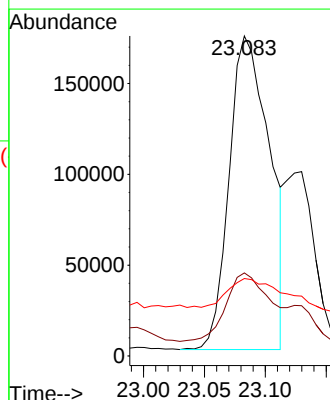
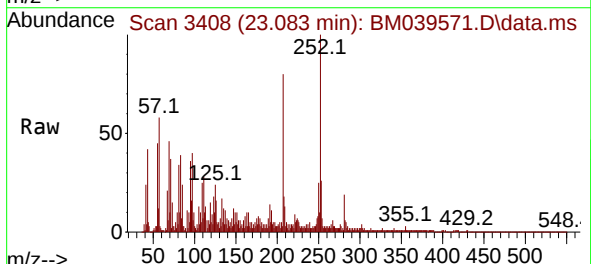
Tgt Ion:252 Resp: 399851

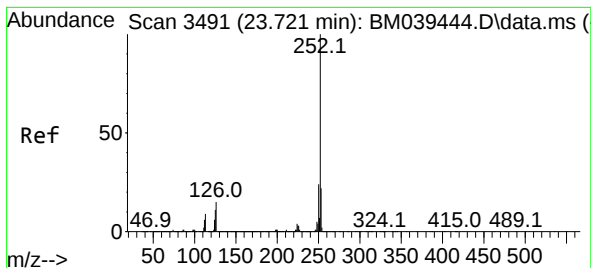
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 24.2 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 6.518 ng

RT: 23.700 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Instrument :

BNA_M

ClientSampleId :

EO-3-041923

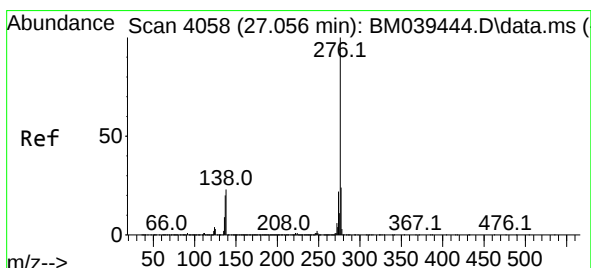
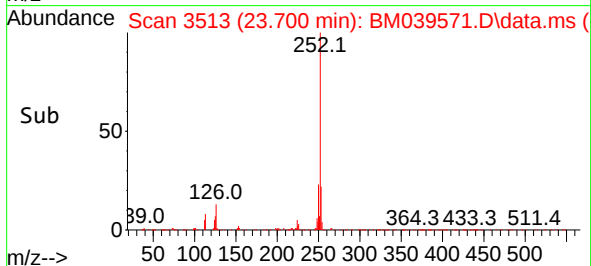
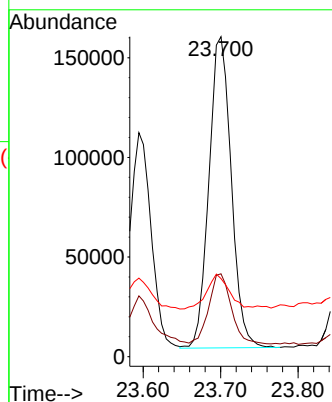
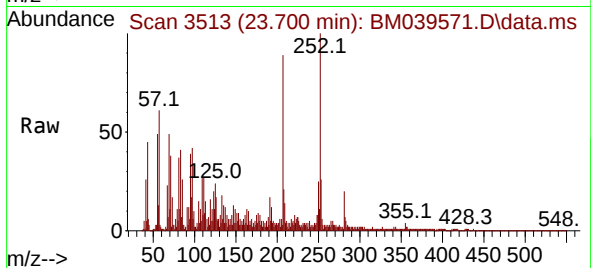
Tgt Ion:252 Resp: 312392

Ion Ratio Lower Upper

252 100

253 25.9 17.7 26.5

125 24.4 9.0 13.6#



#92

Benzo(g,h,i)perylene

Concen: 3.976 ng

RT: 27.024 min Scan# 4078

Delta R.T. 0.035 min

Lab File: BM039571.D

Acq: 22 Apr 2023 03:06

Tgt Ion:276 Resp: 190393

Ion Ratio Lower Upper

276 100

277 28.0 19.1 28.7

138 29.8 18.8 28.2#

