

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039110.D
 Acq On : 23 Mar 2023 02:23
 Operator : CG/JU
 Sample : 02033-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-1-032123

Quant Time: Mar 23 04:29:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

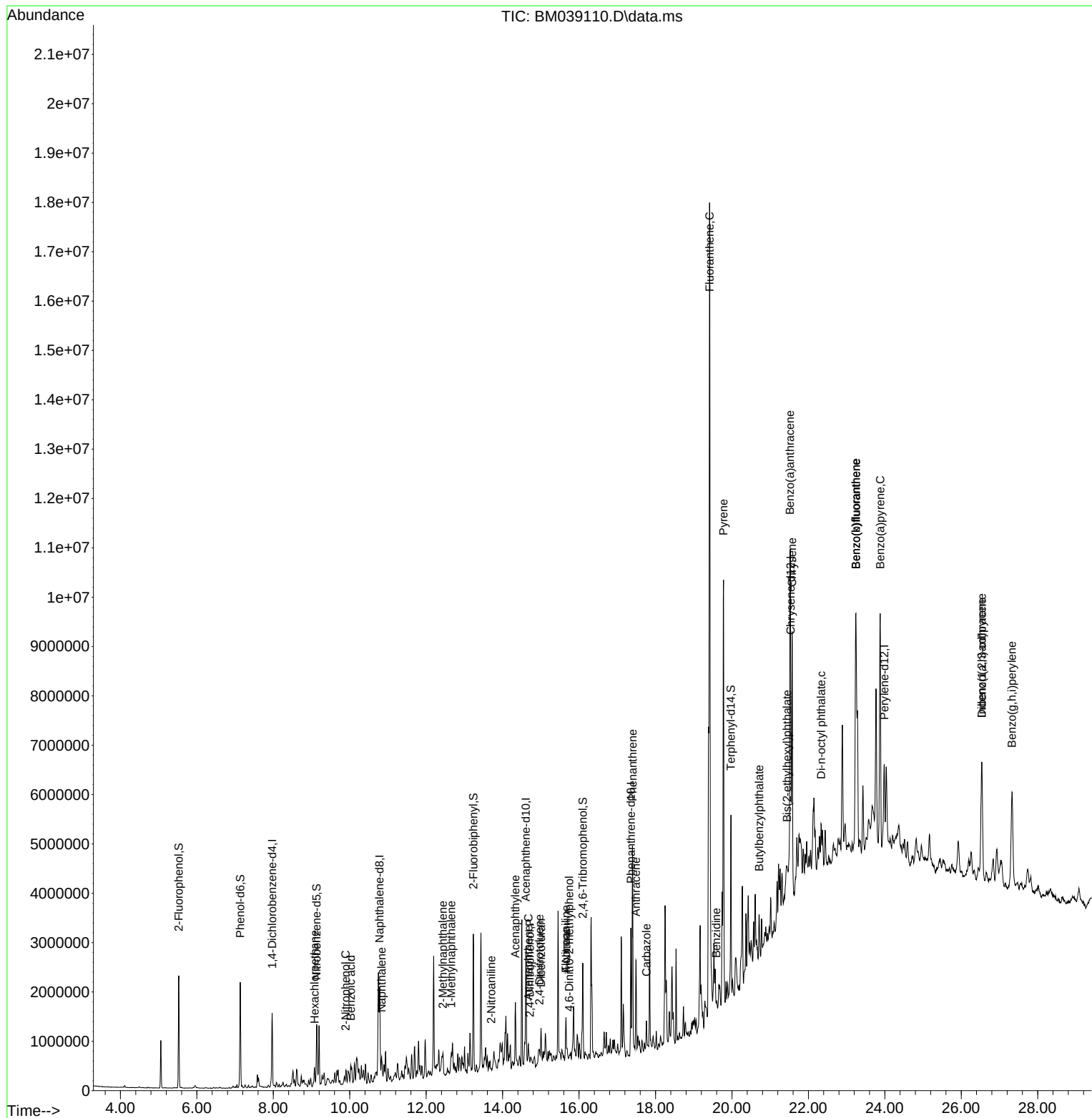
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	403736	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1520203	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	760498	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	1459758	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1181182	20.000	ng	0.00
86) Perylene-d12	23.985	264	1353225	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1011973	38.081	ng	0.00
7) Phenol-d6	7.134	99	1235744	35.801	ng	0.00
23) Nitrobenzene-d5	9.134	82	698029	22.555	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	321196	36.509	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	1432224	24.516	ng	0.00
79) Terphenyl-d14	19.974	244	1731318	26.799	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.081	117	32886	2.915	ng	# 1
26) 2-Nitrophenol	9.892	139	3327	3.208	ng	# 1
31) Naphthalene	10.833	128	234854	2.709	ng	# 94
32) Benzoic acid	10.028	122	636	5.764	ng	# 1
37) 2-Methylnaphthalene	12.439	142	225423	3.880	ng	# 98
38) 1-Methylnaphthalene	12.657	142	194631	3.575	ng	# 100
48) 2-Nitroaniline	13.704	65	1095	2.283	ng	# 40
49) Acenaphthylene	14.333	152	968624	12.517	ng	# 99
52) Acenaphthene	14.674	154	127988	2.691	ng	# 97
54) 2,4-Dinitrophenol	14.716	184	525	5.257	ng	# 1
55) Dibenzofuran	15.010	168	192528	2.587	ng	# 93
57) 2,4-Dinitrotoluene	14.963	165	1502	2.156	ng	# 72
58) Fluorene	15.657	166	383690	6.582	ng	# 96
62) 4-Nitroaniline	15.657	138	4924	2.056	ng	# 73
65) 4,6-Dinitro-2-methylph...	15.745	198	145	5.102	ng	# 1
71) Phenanthrene	17.398	178	2457705	28.687	ng	# 100
72) Anthracene	17.492	178	1188916	13.915	ng	# 99
73) Carbazole	17.762	167	217593	2.790	ng	# 94
75) Fluoranthene	19.415	202	4899477	54.163	ng	# 98
77) Benzidine	19.592	184	435	4.891	ng	# 1
78) Pyrene	19.780	202	5392021	60.778	ng	# 99
80) Butylbenzylphthalate	20.715	149	10980	3.587	ng	# 1
81) Benzo(a)anthracene	21.521	228	3469233	40.784	ng	# 96
83) Chrysene	21.574	228	3199027	38.668	ng	# 97
84) Bis(2-ethylhexyl)phtha...	21.444	149	94925	4.135	ng	# 96
85) Di-n-octyl phthalate	22.333	149	54814	4.354	ng	# 77
87) Indeno(1,2,3-cd)pyrene	26.538	276	2611721	25.364	ng	# 95
88) Benzo(b)fluoranthene	23.244	252	4981881	57.625	ng	# 96
89) Benzo(k)fluoranthene	23.244	252	4981881	55.372	ng	# 96
90) Benzo(a)pyrene	23.880	252	3680246	44.231	ng	# 97
91) Dibenzo(a,h)anthracene	26.538	278	665532	7.632	ng	# 81
92) Benzo(g,h,i)perylene	27.326	276	2575812	30.191	ng	# 99

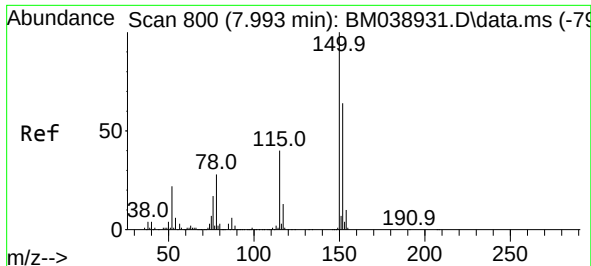
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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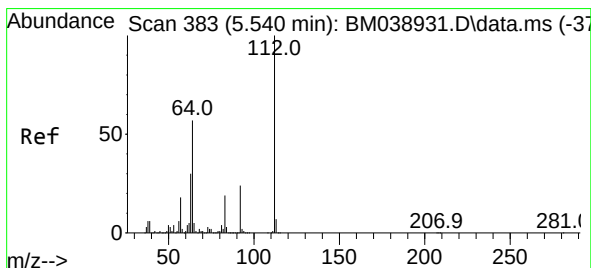
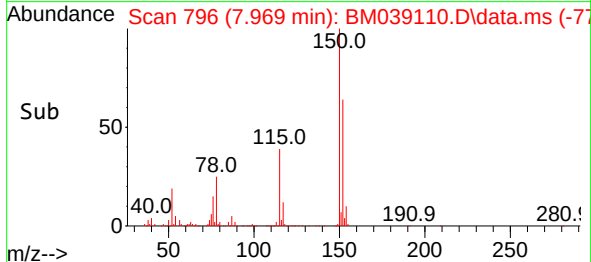
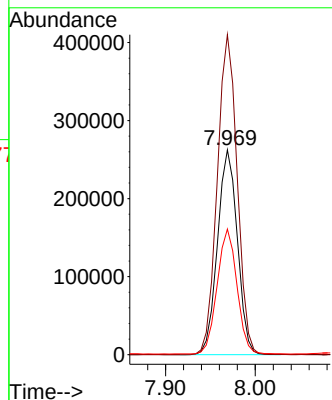
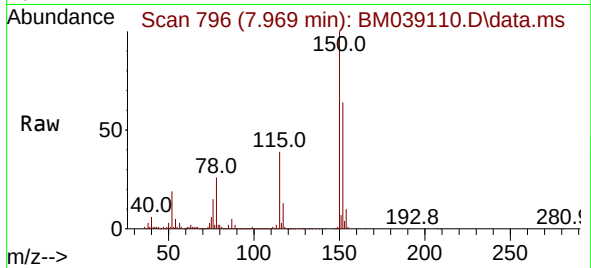




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

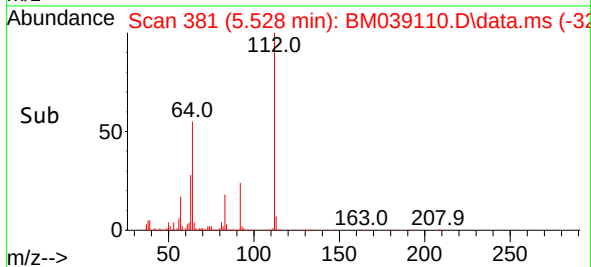
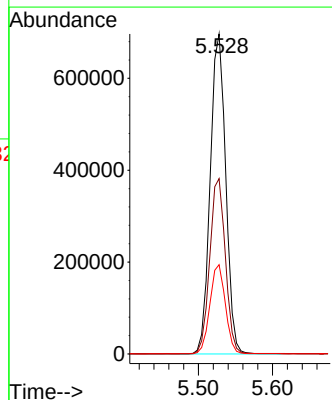
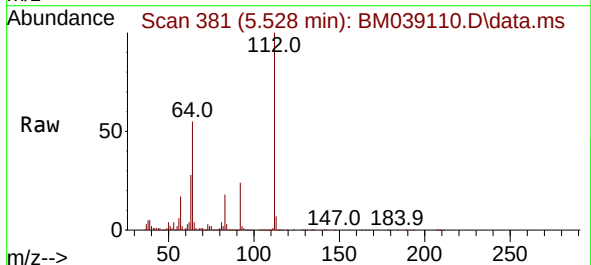
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

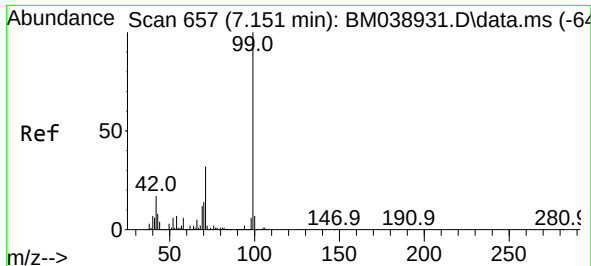
Tgt Ion:152 Resp: 403736
Ion Ratio Lower Upper
152 100
150 156.3 125.1 187.7
115 61.3 49.6 74.4



#5
2-Fluorophenol
Concen: 38.081 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:112 Resp: 1011973
Ion Ratio Lower Upper
112 100
64 54.8 45.9 68.9
63 27.9 23.8 35.8

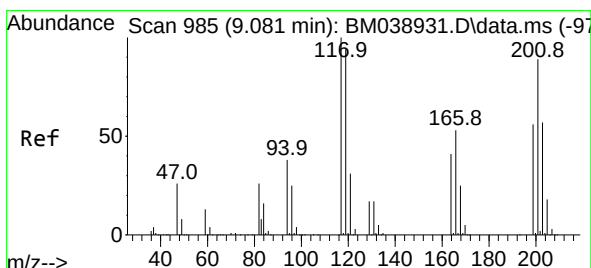
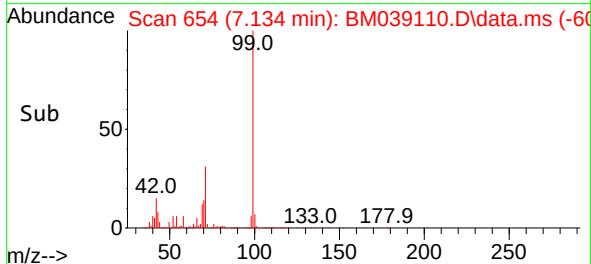
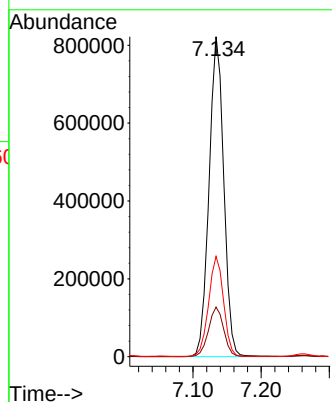
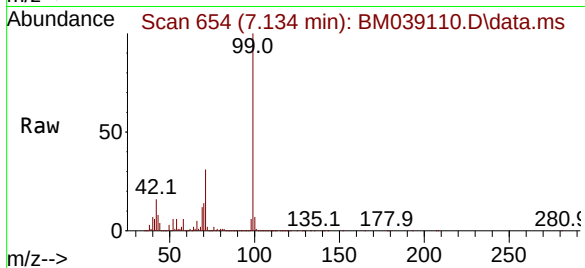




#7
Phenol-d6
Concen: 35.801 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

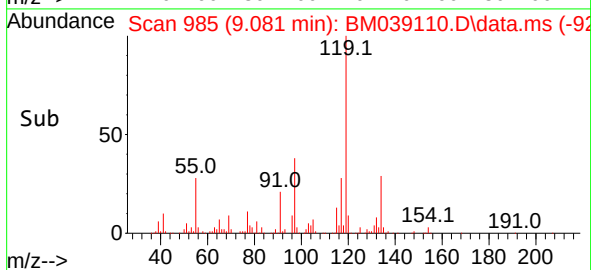
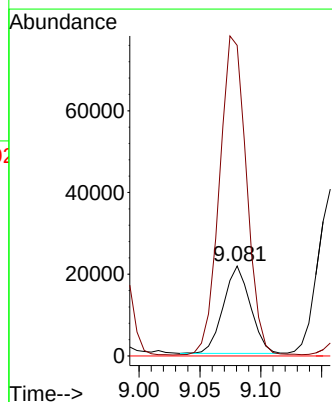
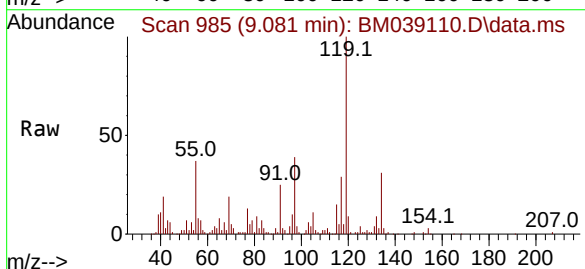
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

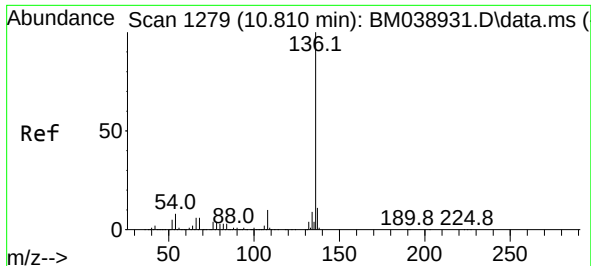
Tgt Ion: 99 Resp: 1235744
Ion Ratio Lower Upper
99 100
42 15.5 13.5 20.3
71 31.4 25.6 38.4



#18
Hexachloroethane
Concen: 2.915 ng
RT: 9.081 min Scan# 985
Delta R.T. 0.029 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion: 117 Resp: 32886
Ion Ratio Lower Upper
117 100
119 345.4 75.4 113.0#
201 0.0 71.3 106.9#



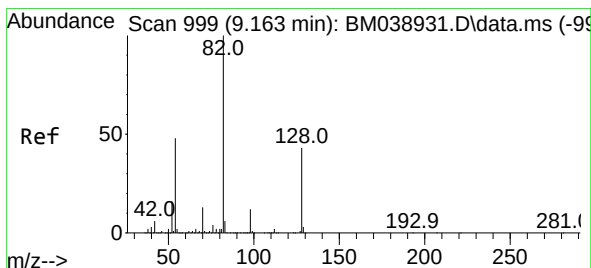
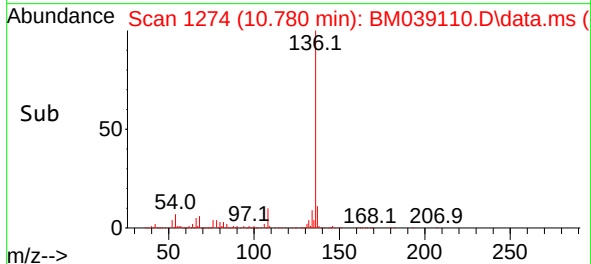
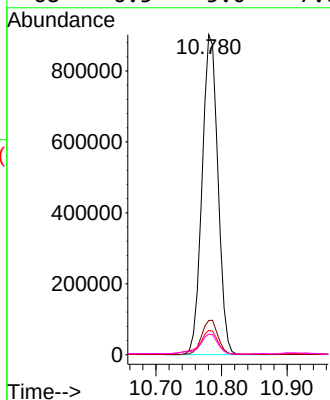
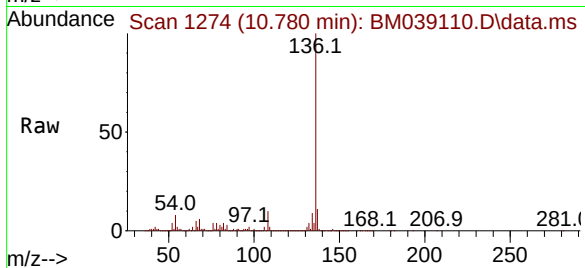


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Instrument :
BNA_M
ClientSampleId :
EO-1-032123

Tgt Ion:136 Resp: 1520203

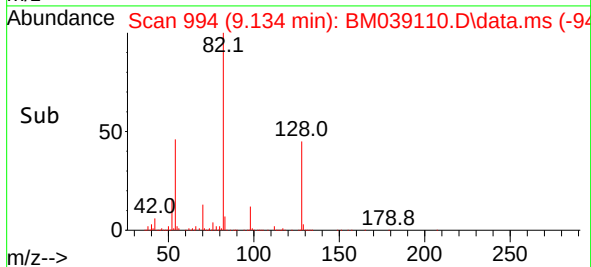
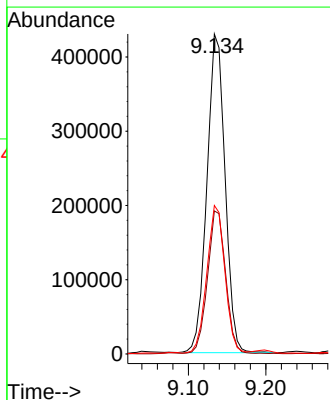
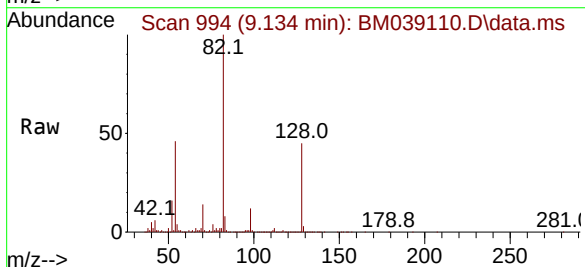
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.6	6.3	9.5
68	6.5	5.0	7.6

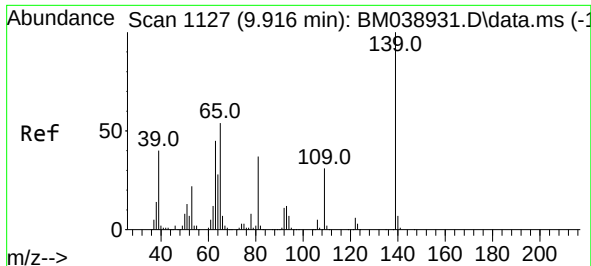


#23
Nitrobenzene-d5
Concen: 22.555 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion: 82 Resp: 698029

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.4	51.6
54	46.4	38.8	58.2

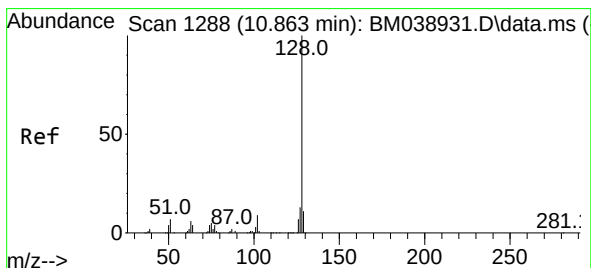
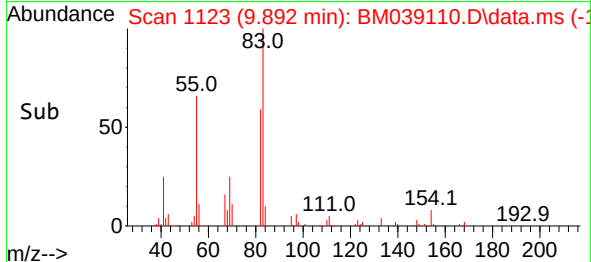
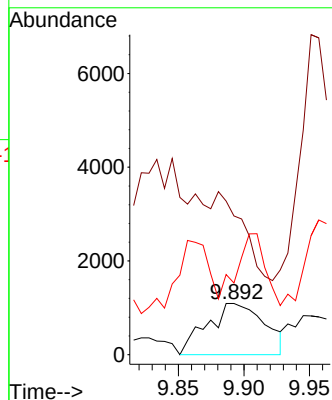
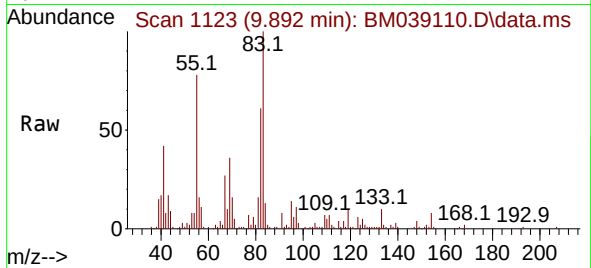




#26
2-Nitrophenol
Concen: 3.208 ng
RT: 9.892 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

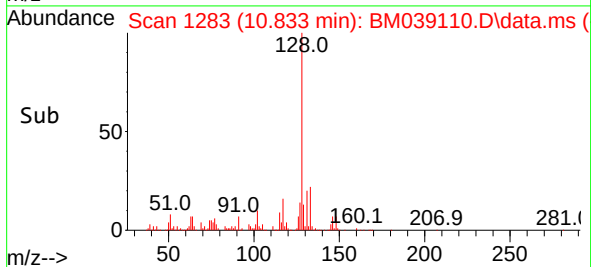
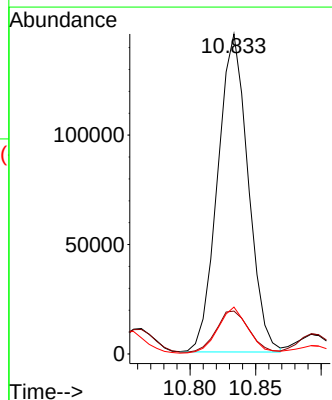
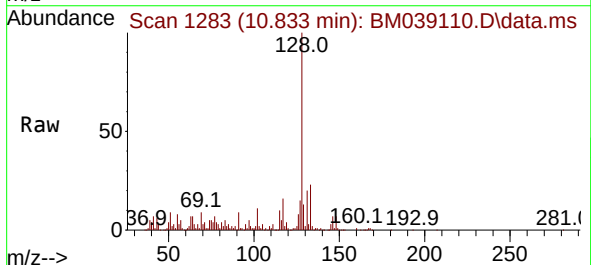
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ClientSampleId :
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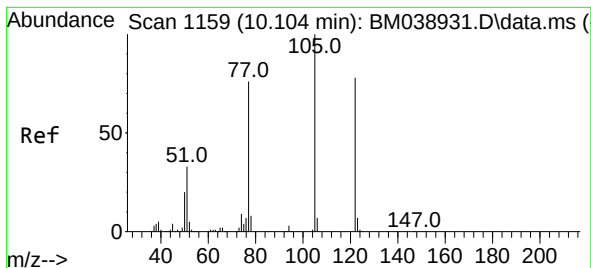
Tgt Ion:139 Resp: 3327
Ion Ratio Lower Upper
139 100
109 270.6 24.5 36.7#
65 139.9 43.0 64.6#



#31
Naphthalene
Concen: 2.709 ng
RT: 10.833 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:128 Resp: 234854
Ion Ratio Lower Upper
128 100
129 13.4 8.6 13.0#
127 14.6 10.2 15.4





#32

Benzoic acid

Concen: 5.764 ng

RT: 10.028 min Scan# 1146

Delta R.T. -0.059 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

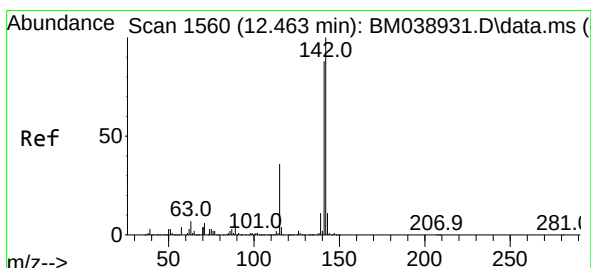
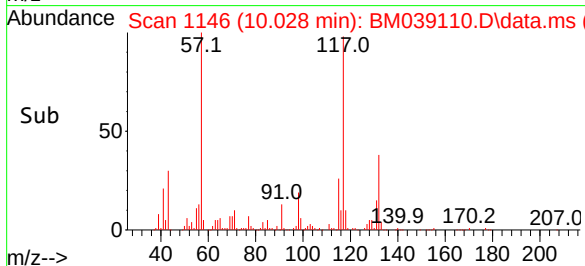
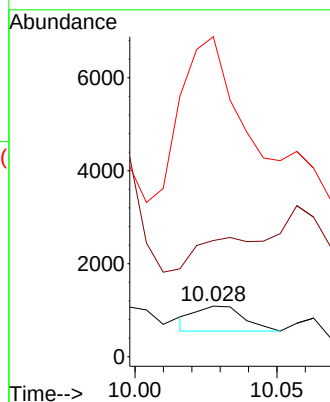
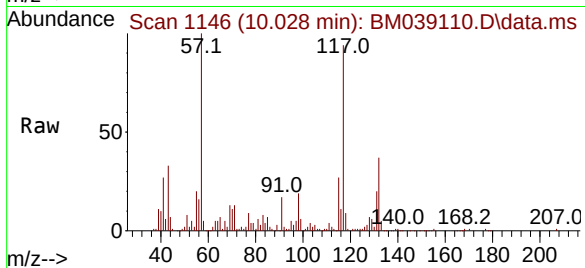
Tgt Ion:122 Resp: 636

Ion Ratio Lower Upper

122 100

105 230.2 104.2 144.2#

77 634.0 75.1 115.1#



#37

2-Methylnaphthalene

Concen: 3.880 ng

RT: 12.439 min Scan# 1556

Delta R.T. 0.000 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

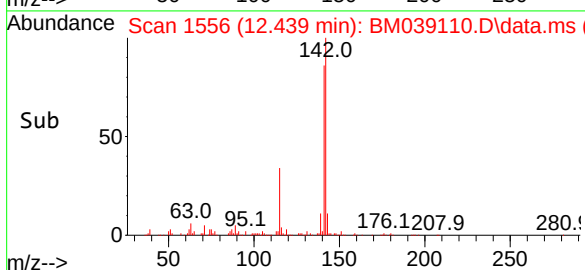
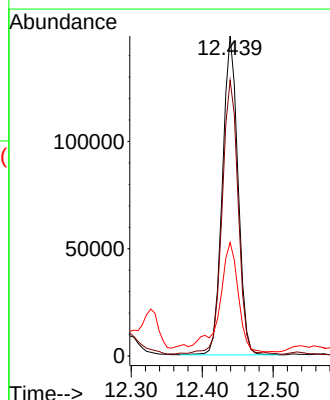
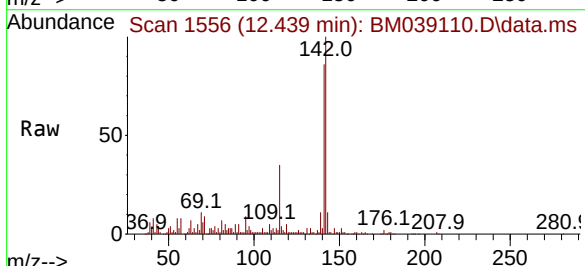
Tgt Ion:142 Resp: 225423

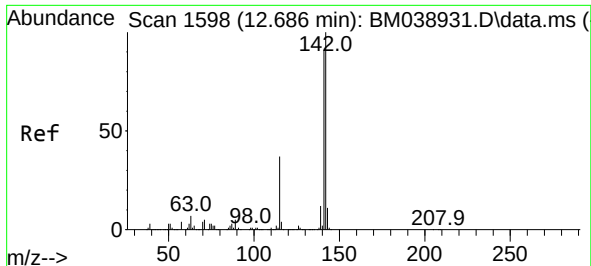
Ion Ratio Lower Upper

142 100

141 86.1 70.6 106.0

115 35.5 28.5 42.7

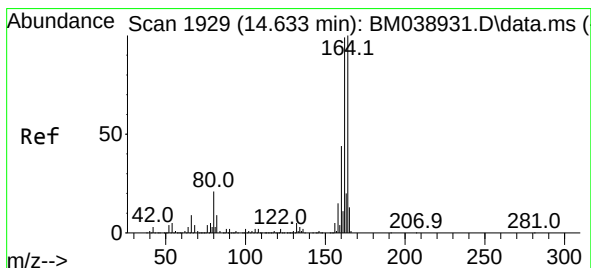
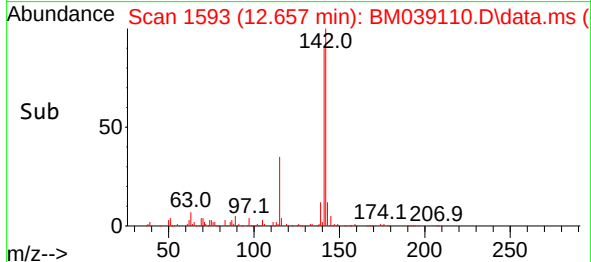
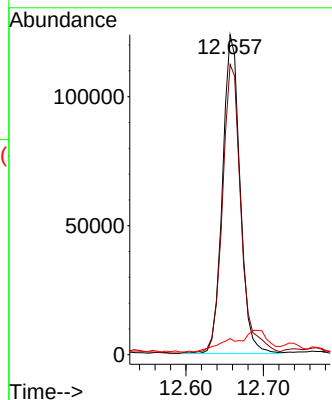
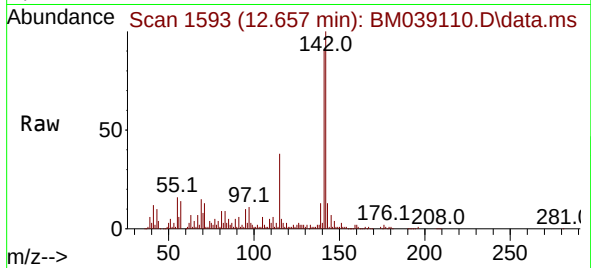




#38
1-Methylnaphthalene
Concen: 3.575 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

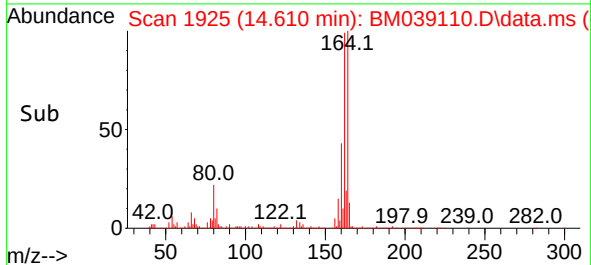
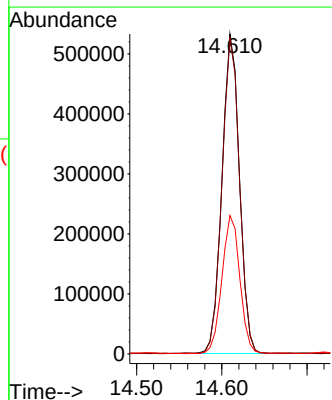
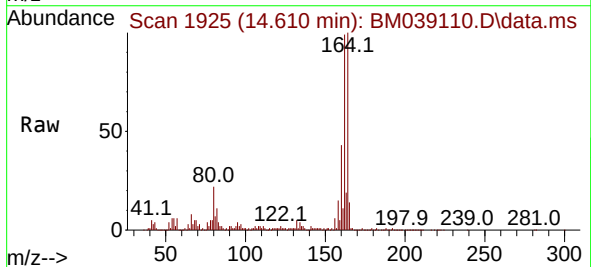
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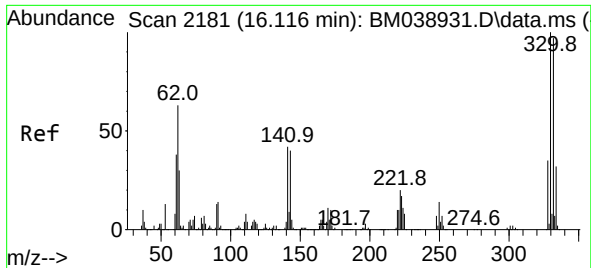
Tgt Ion:142 Resp: 194631
Ion Ratio Lower Upper
142 100
141 90.7 72.8 109.2
116 5.1 3.0 4.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:164 Resp: 760498
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 43.3 35.5 53.3

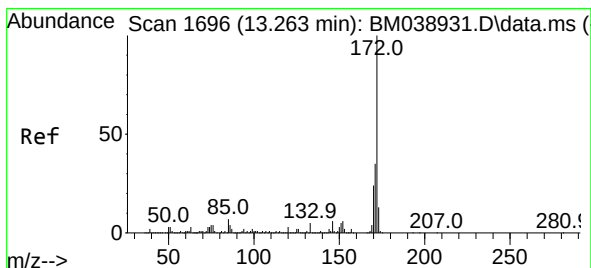
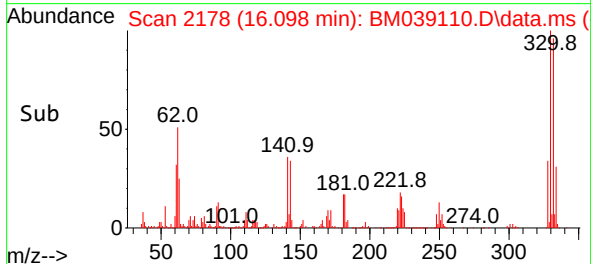
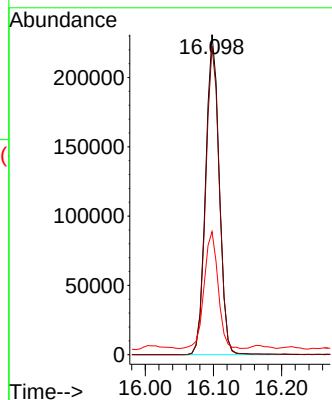
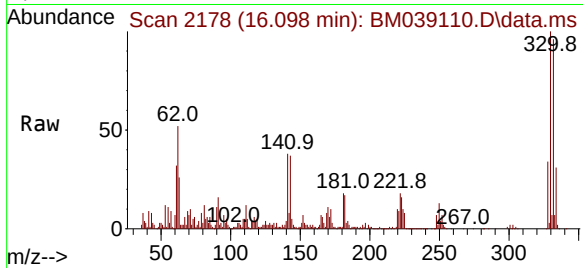




#42
2,4,6-Tribromophenol
Concen: 36.509 ng
RT: 16.098 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

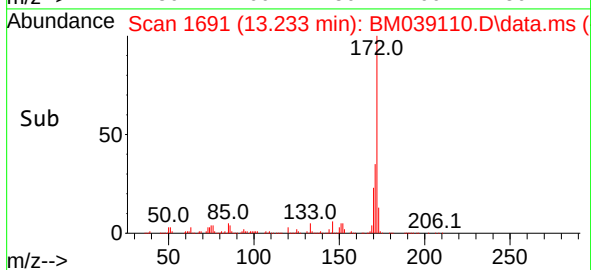
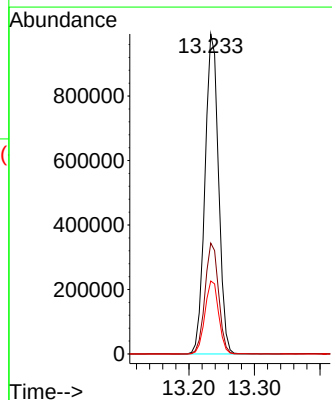
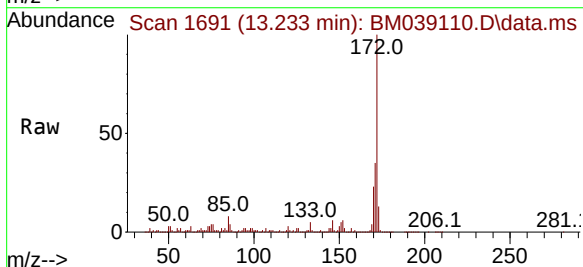
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

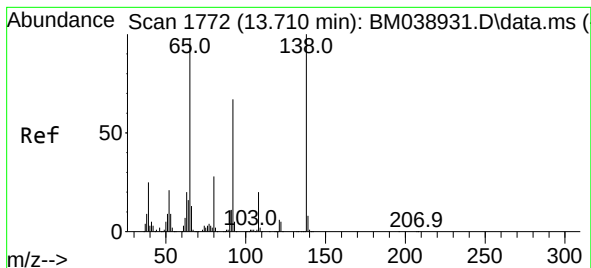
Tgt Ion:330 Resp: 321196
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 37.8 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 24.516 ng
RT: 13.233 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:172 Resp: 1432224
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 22.8 19.1 28.7





#48

2-Nitroaniline

Concen: 2.283 ng

RT: 13.704 min Scan# 11

Delta R.T. 0.012 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

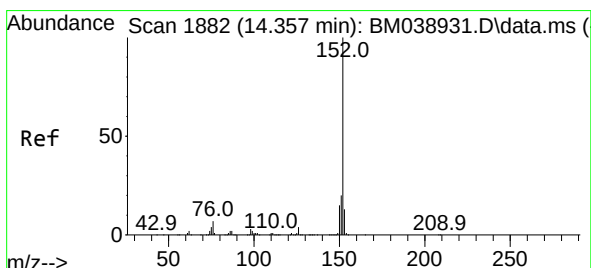
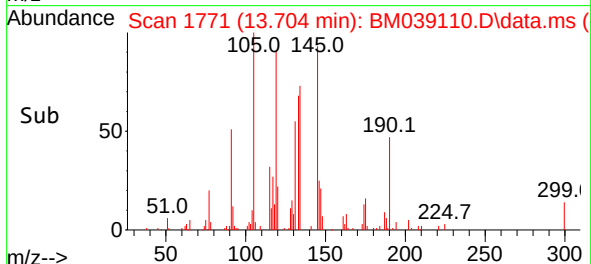
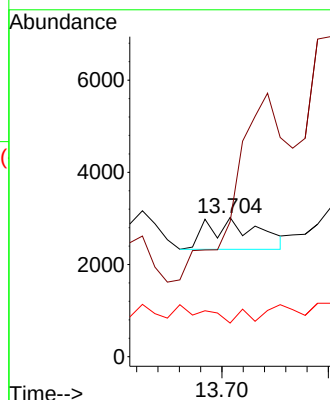
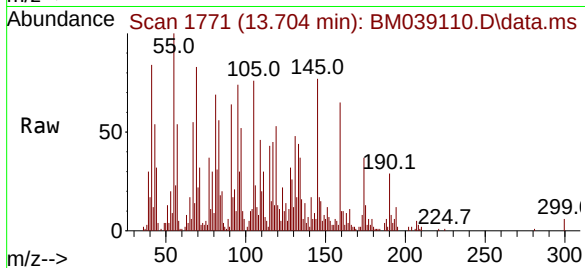
Tgt Ion: 65 Resp: 1095

Ion Ratio Lower Upper

65 100

92 96.8 54.9 82.3#

138 24.1 81.6 122.4#



#49

Acenaphthylene

Concen: 12.517 ng

RT: 14.333 min Scan# 1878

Delta R.T. -0.000 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

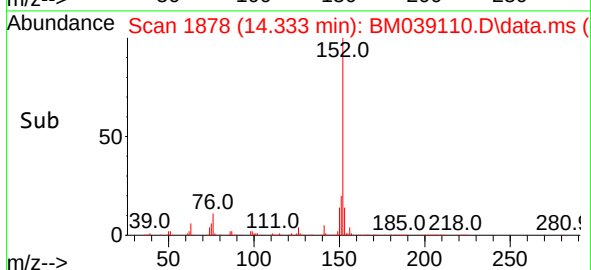
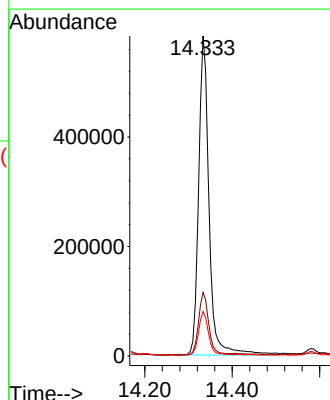
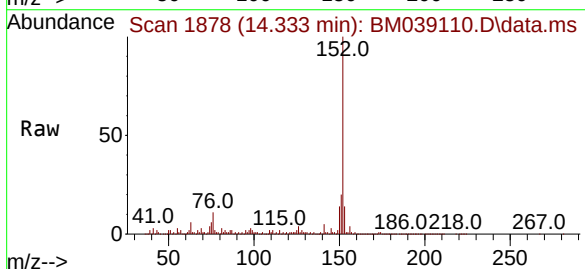
Tgt Ion:152 Resp: 968624

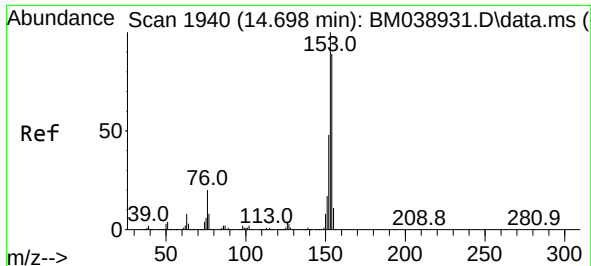
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.9 10.4 15.6

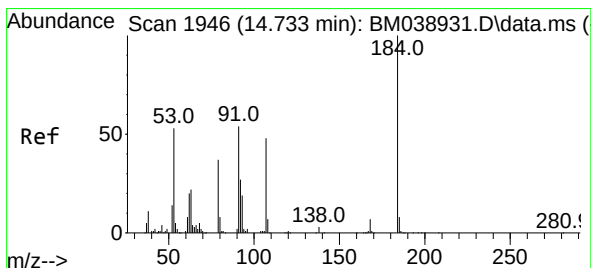
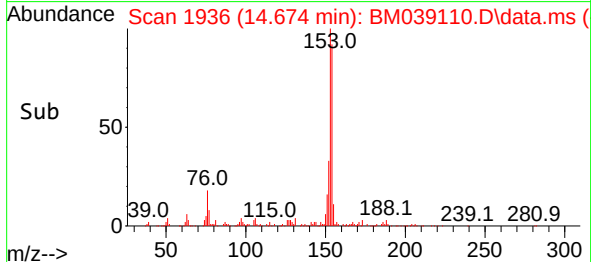
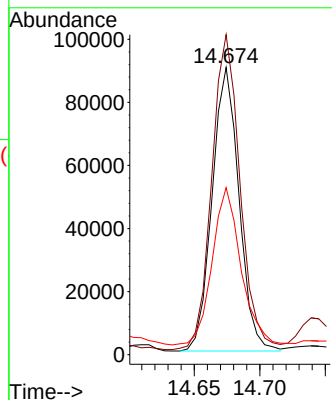
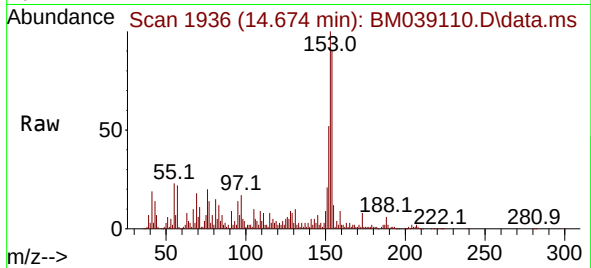




#52
Acenaphthene
Concen: 2.691 ng
RT: 14.674 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

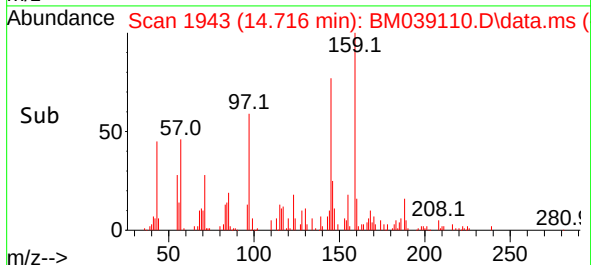
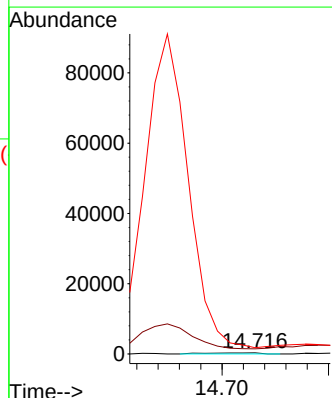
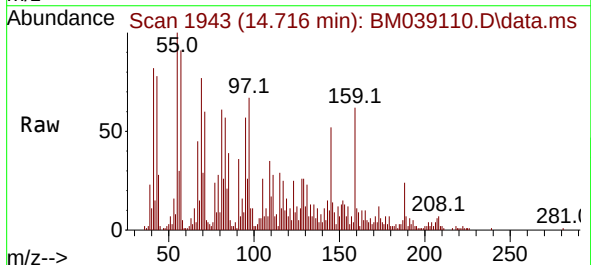
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

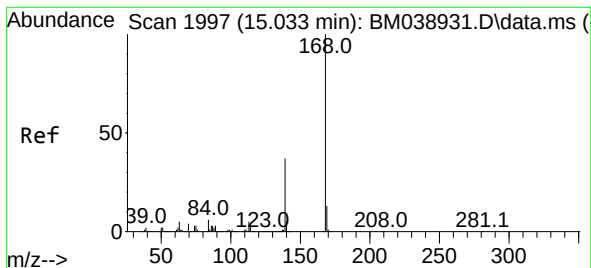
Tgt Ion:154 Resp: 127988
Ion Ratio Lower Upper
154 100
153 111.4 90.2 135.2
152 58.1 43.4 65.2



#54
2,4-Dinitrophenol
Concen: 5.257 ng
RT: 14.716 min Scan# 1943
Delta R.T. -0.000 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:184 Resp: 525
Ion Ratio Lower Upper
184 100
63 484.9 60.6 90.8#
154 579.3 51.4 77.2#





#55

Dibenzenofuran

Concen: 2.587 ng

RT: 15.010 min Scan# 1993

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

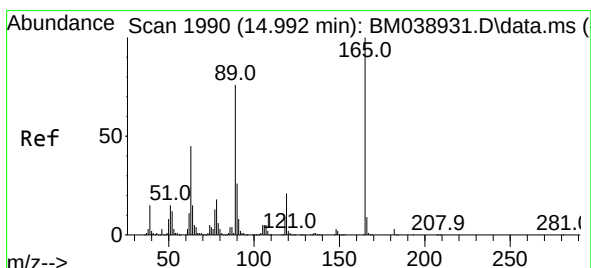
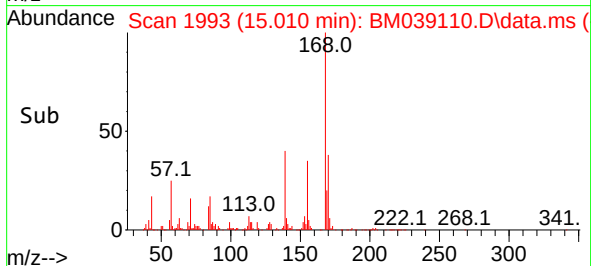
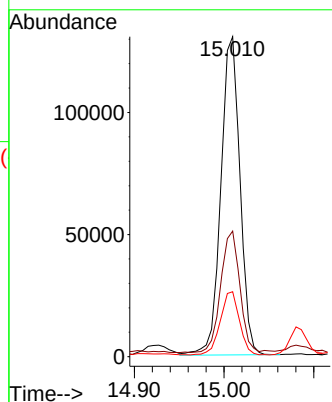
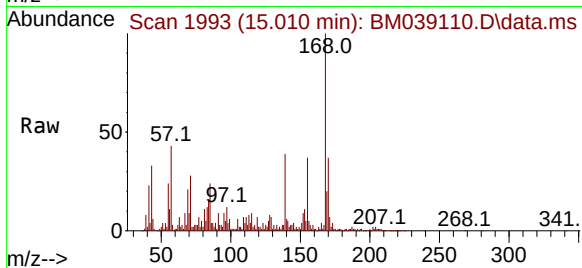
Tgt Ion:168 Resp: 192528

Ion Ratio Lower Upper

168 100

139 39.2 29.9 44.9

169 20.3 10.7 16.1#



#57

2,4-Dinitrotoluene

Concen: 2.156 ng

RT: 14.963 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Tgt Ion:165 Resp: 1502

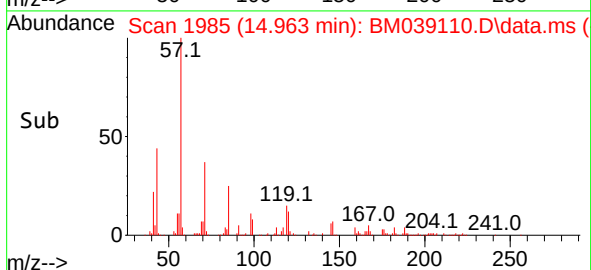
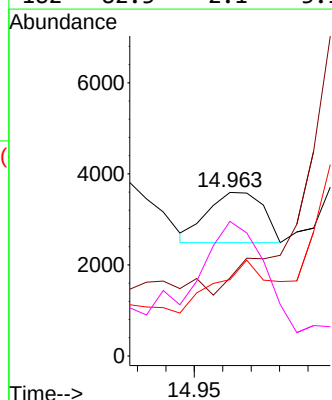
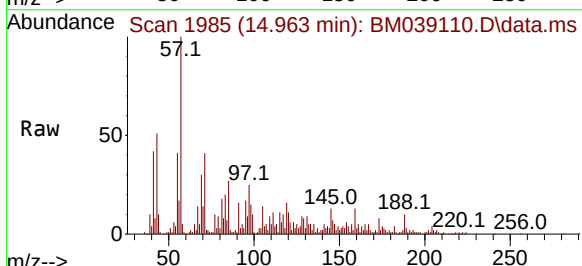
Ion Ratio Lower Upper

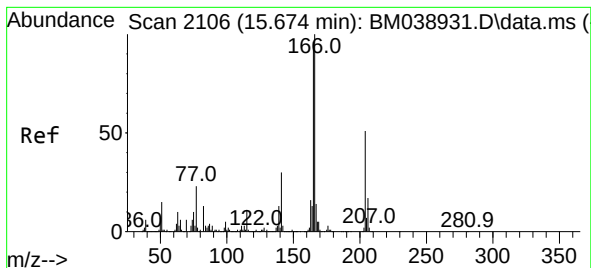
165 100

63 47.7 35.9 53.9

89 46.7 61.0 91.6#

182 82.3 2.1 3.1#





#58

Fluorene

Concen: 6.582 ng

RT: 15.657 min Scan# 2103

Delta R.T. 0.000 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

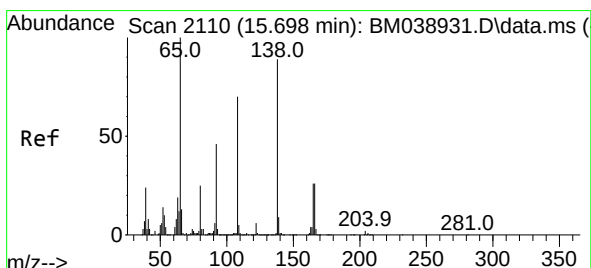
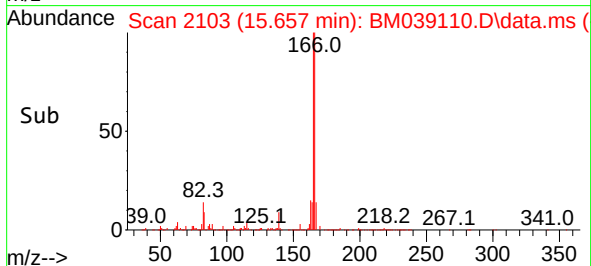
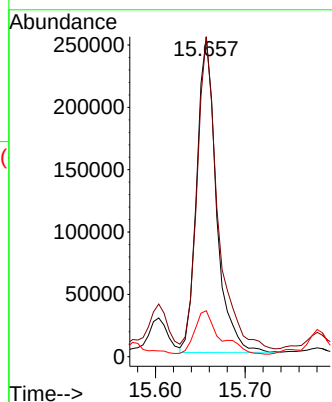
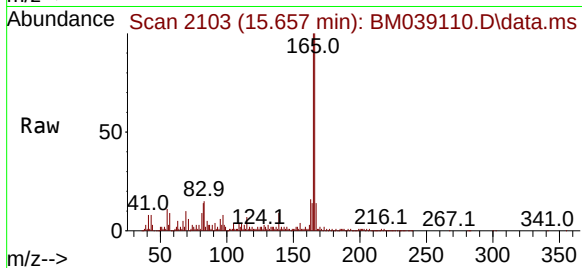
Tgt Ion:166 Resp: 383690

Ion Ratio Lower Upper

166 100

165 100.1 77.1 115.7

167 14.4 10.9 16.3



#62

4-Nitroaniline

Concen: 2.056 ng

RT: 15.657 min Scan# 2103

Delta R.T. -0.018 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

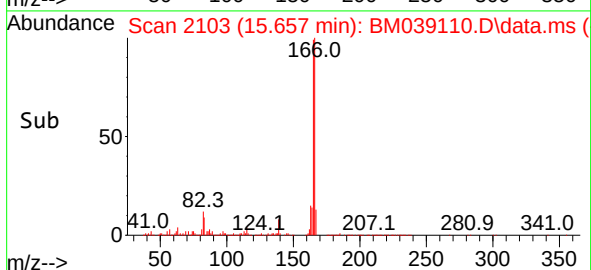
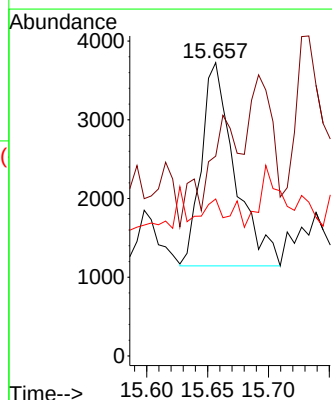
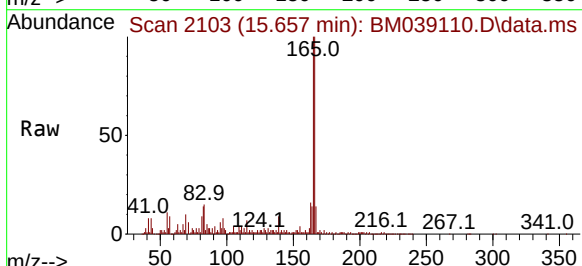
Tgt Ion:138 Resp: 4924

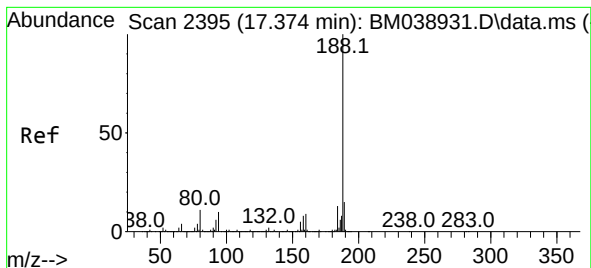
Ion Ratio Lower Upper

138 100

92 68.1 31.6 71.6

108 53.5 58.6 98.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.357 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

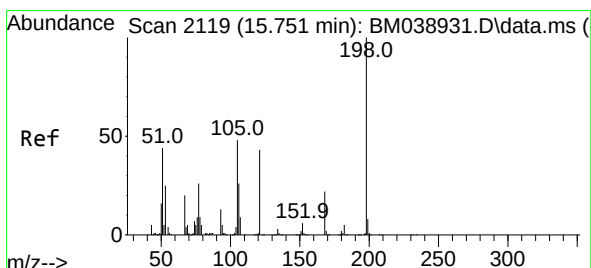
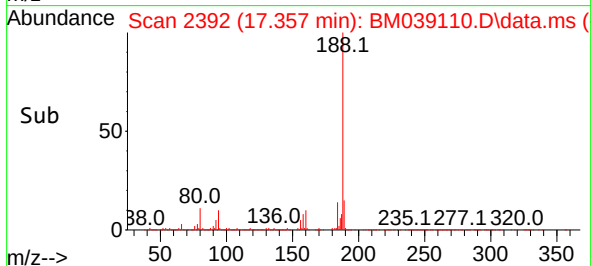
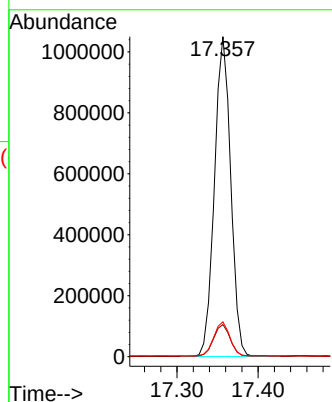
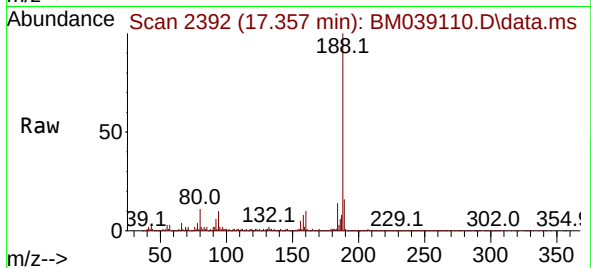
Tgt Ion:188 Resp: 1459758

Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

80 10.9 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.102 ng

RT: 15.745 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

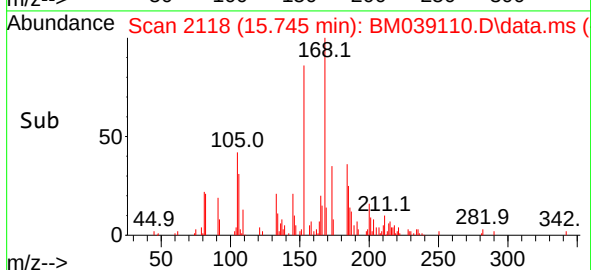
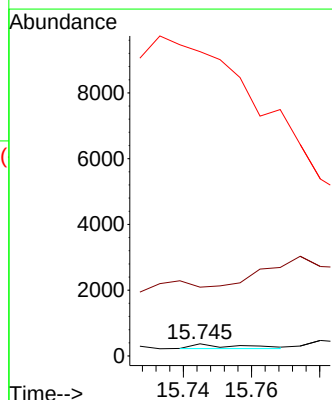
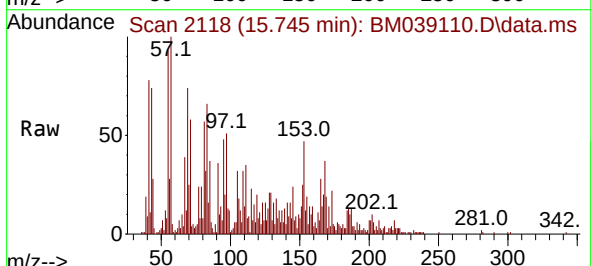
Tgt Ion:198 Resp: 145

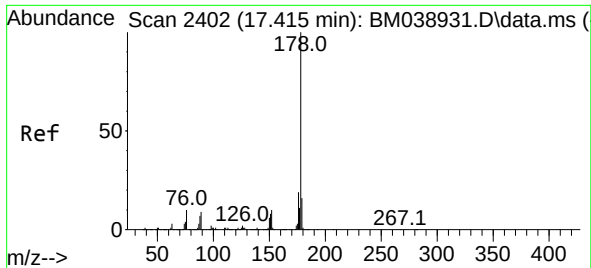
Ion Ratio Lower Upper

198 100

51 567.2 30.1 70.1#

105 2507.3 29.3 69.3#

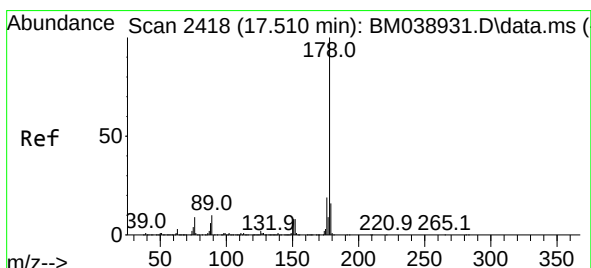
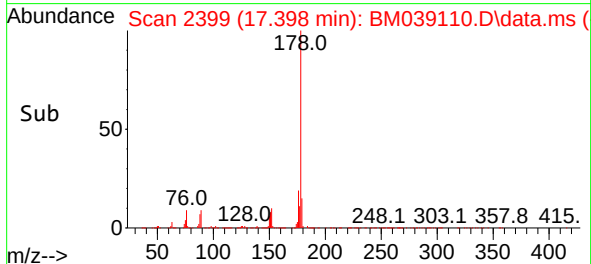
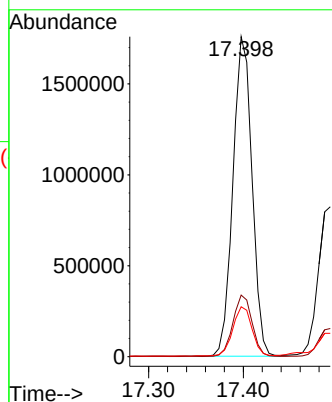
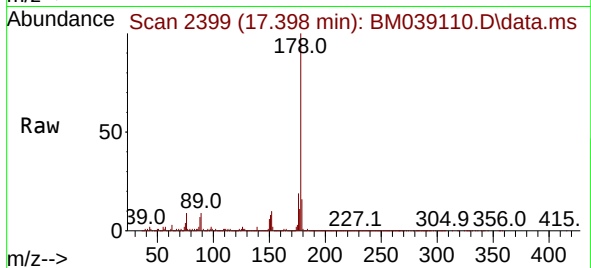




#71
Phenanthrene
Concen: 28.687 ng
RT: 17.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

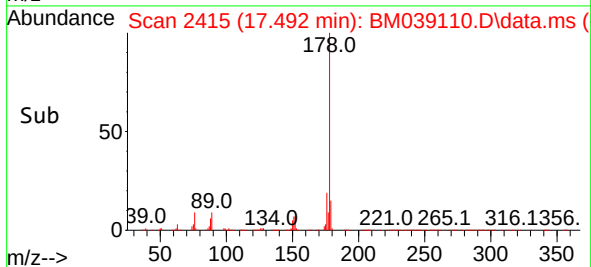
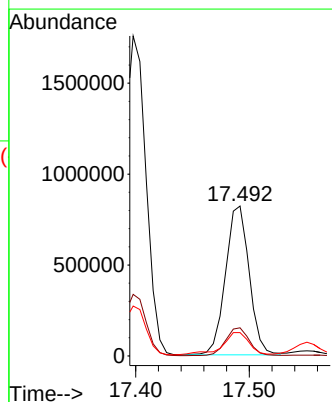
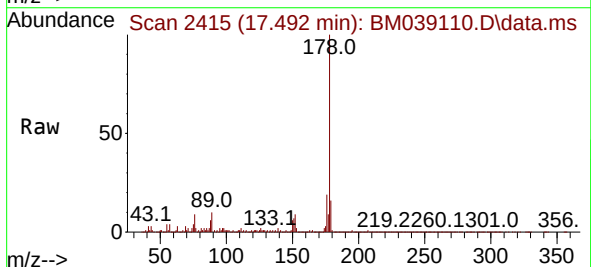
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

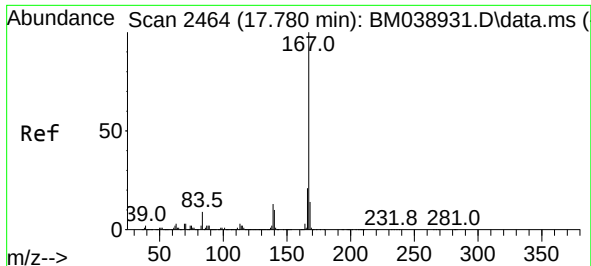
Tgt Ion:178 Resp: 2457705
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.6 12.5 18.7



#72
Anthracene
Concen: 13.915 ng
RT: 17.492 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:178 Resp: 1188916
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.5 12.5 18.7

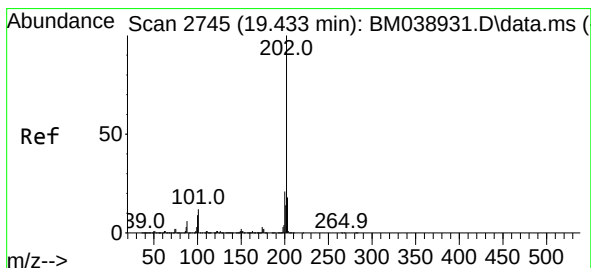
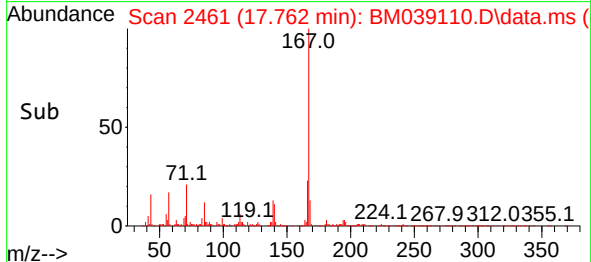
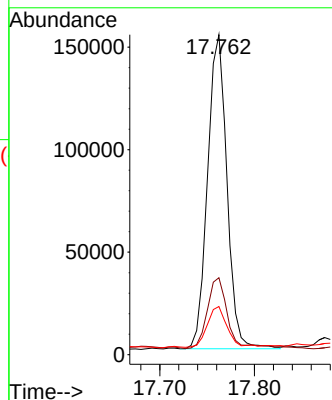
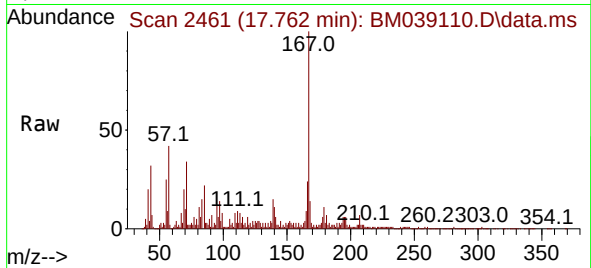




#73
 Carbazole
 Concen: 2.790 ng
 RT: 17.762 min Scan# 2461
 Delta R.T. 0.006 min
 Lab File: BM039110.D
 Acq: 23 Mar 2023 02:23

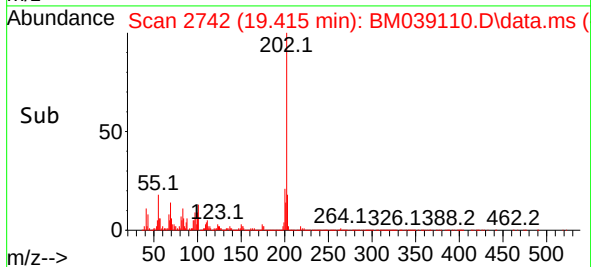
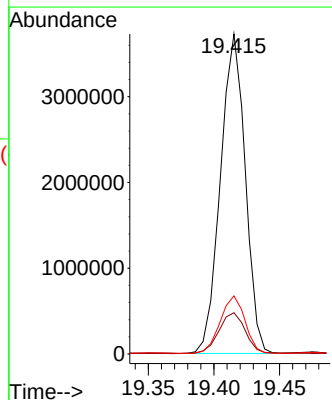
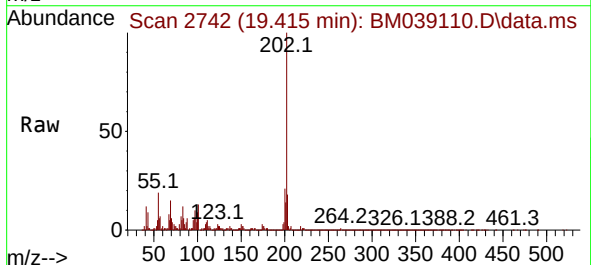
Instrument :
 BNA_M
 ClientSampleId :
 EO-1-032123

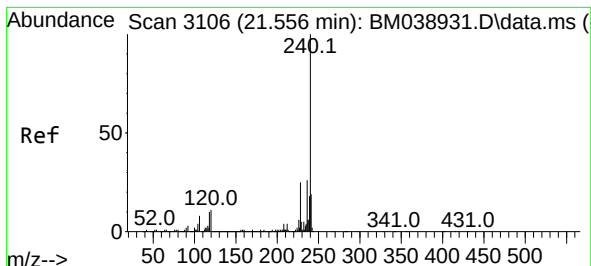
Tgt Ion:167 Resp: 217593
 Ion Ratio Lower Upper
 167 100
 166 24.1 17.0 25.4
 139 15.0 10.3 15.5



#75
 Fluoranthene
 Concen: 54.163 ng
 RT: 19.415 min Scan# 2742
 Delta R.T. 0.006 min
 Lab File: BM039110.D
 Acq: 23 Mar 2023 02:23

Tgt Ion:202 Resp: 4899477
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 31.7
 203 18.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

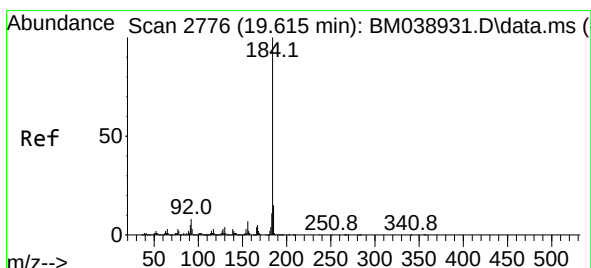
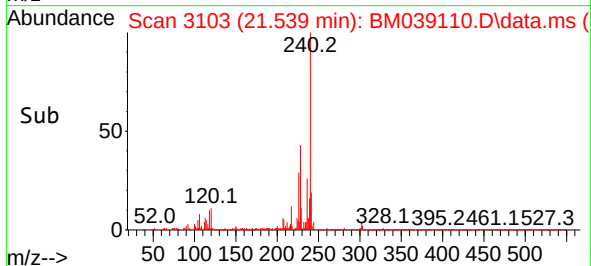
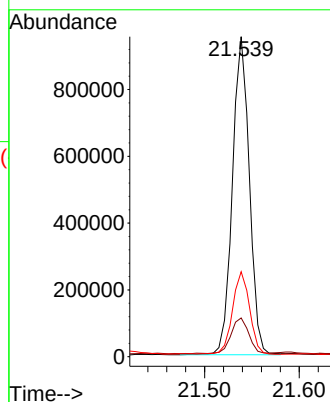
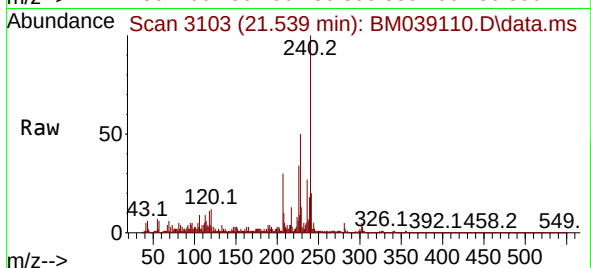
Tgt Ion:240 Resp: 1181182

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 26.5 20.8 31.2



#77

Benzidine

Concen: 4.891 ng

RT: 19.592 min Scan# 2772

Delta R.T. -0.000 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

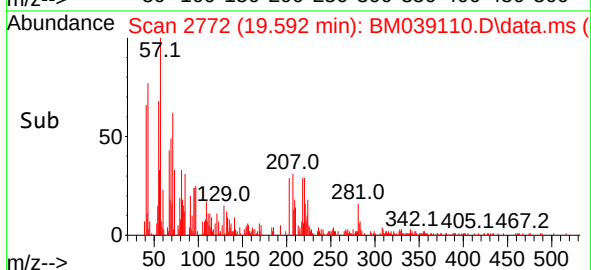
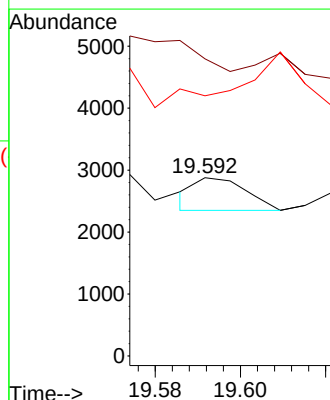
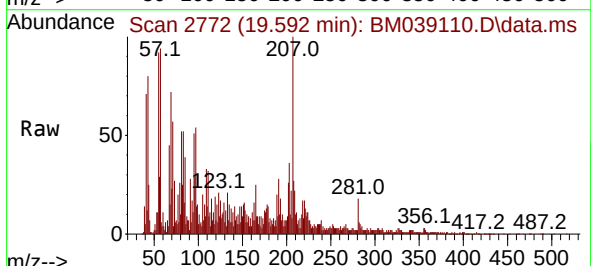
Tgt Ion:184 Resp: 435

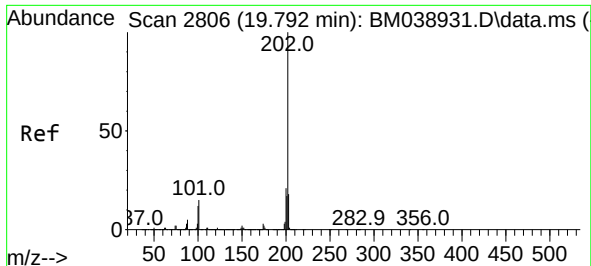
Ion Ratio Lower Upper

184 100

185 166.8 12.2 18.4#

183 146.0 8.8 13.2#

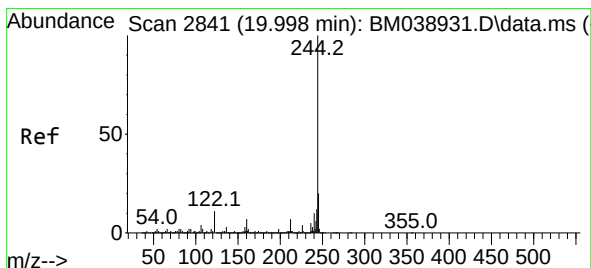
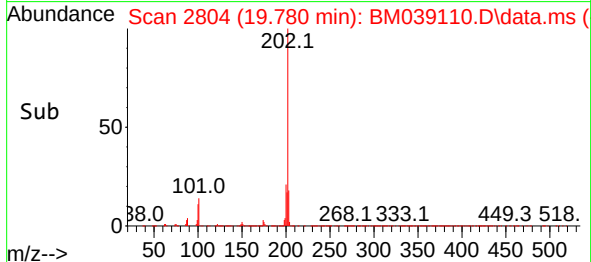
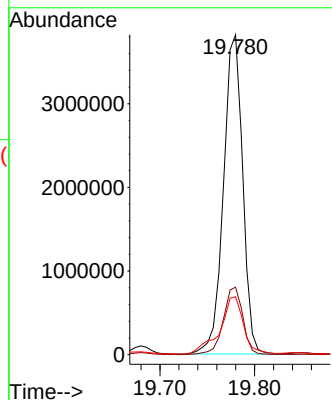
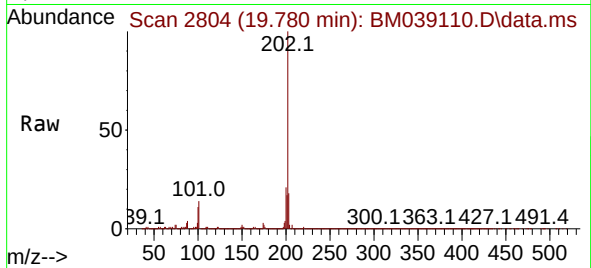




#78
Pyrene
Concen: 60.778 ng
RT: 19.780 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

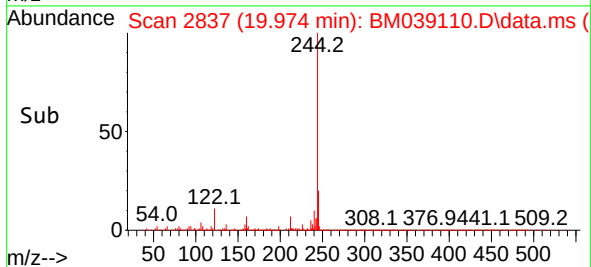
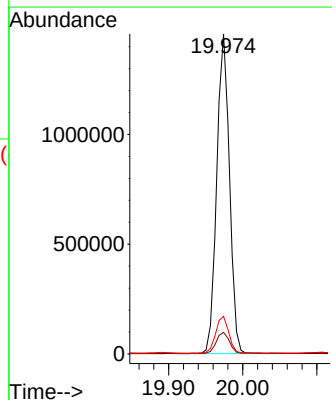
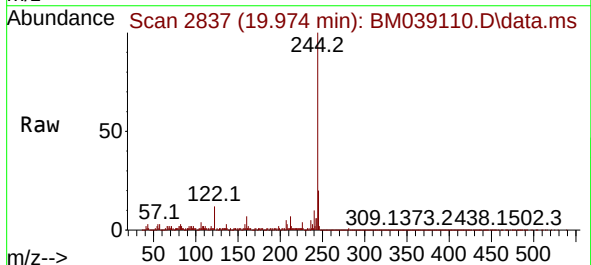
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

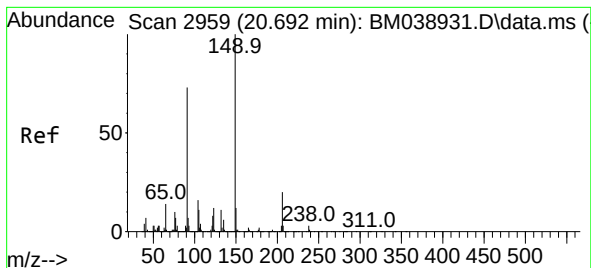
Tgt Ion:202 Resp: 5392021
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.1 14.1 21.1



#79
Terphenyl-d14
Concen: 26.799 ng
RT: 19.974 min Scan# 2837
Delta R.T. 0.006 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:244 Resp: 1731318
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 11.8 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.587 ng

RT: 20.715 min Scan# 2959

Delta R.T. 0.053 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

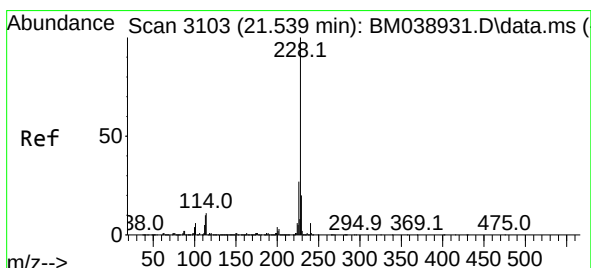
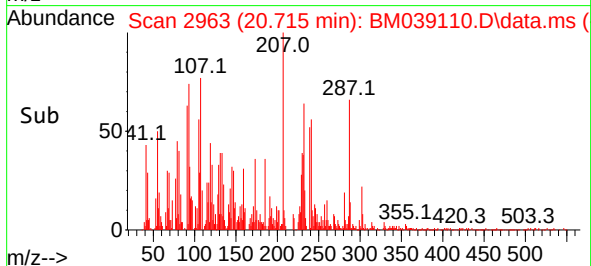
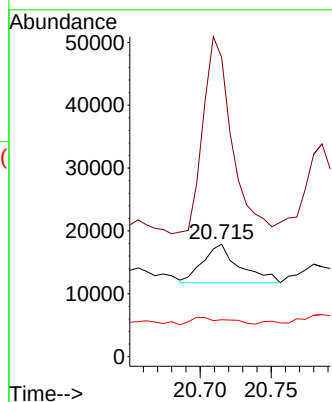
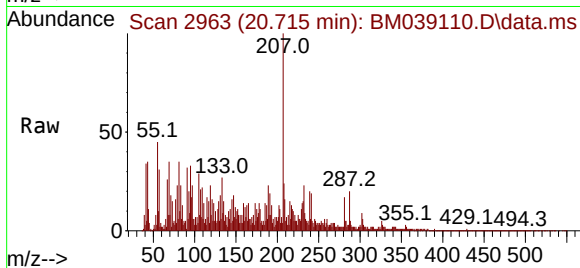
Tgt Ion:149 Resp: 10980

Ion Ratio Lower Upper

149 100

91 266.0 58.4 87.6#

206 32.9 16.1 24.1#



#81

Benzo(a)anthracene

Concen: 40.784 ng

RT: 21.521 min Scan# 3100

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

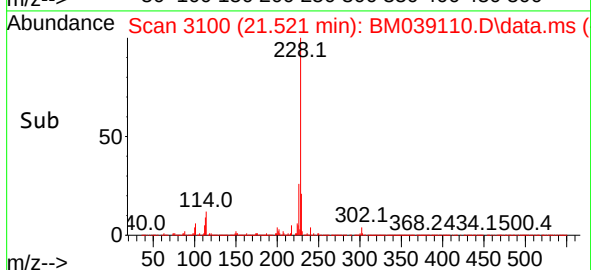
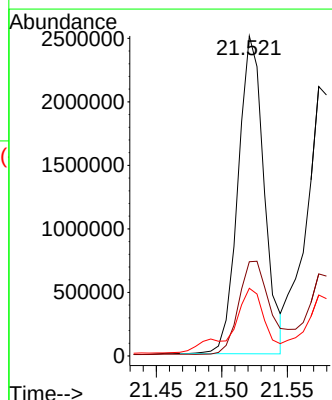
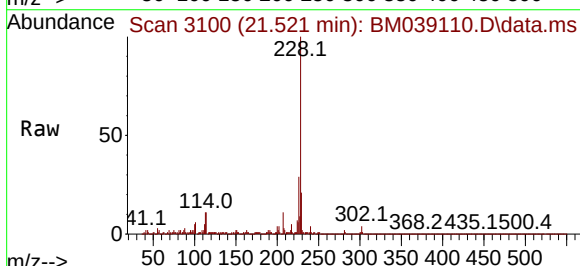
Tgt Ion:228 Resp: 3469233

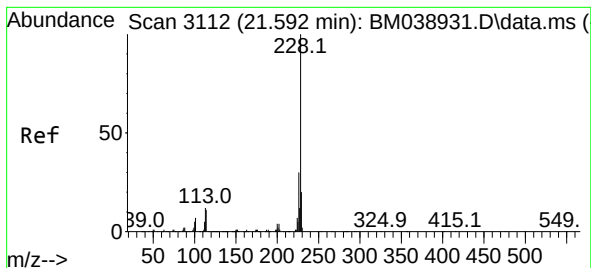
Ion Ratio Lower Upper

228 100

226 29.5 21.4 32.2

229 21.1 15.7 23.5





#83

Chrysene

Concen: 38.668 ng

RT: 21.574 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

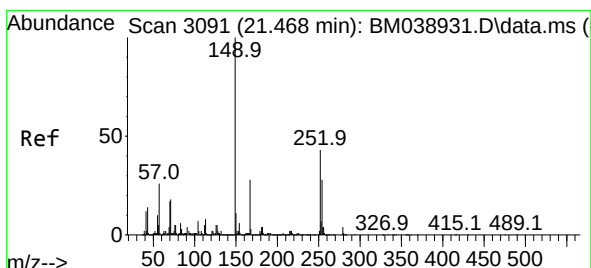
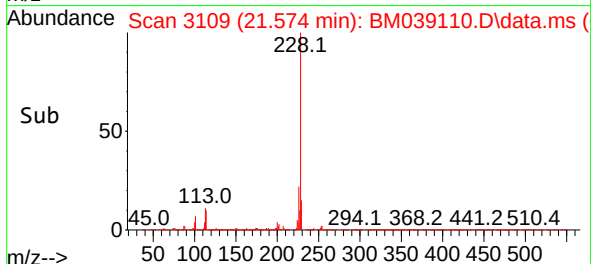
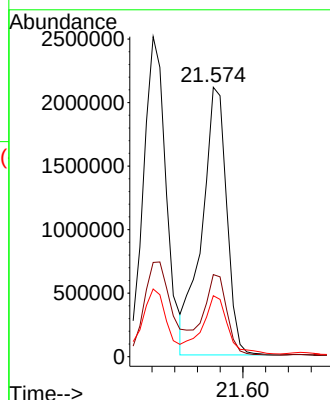
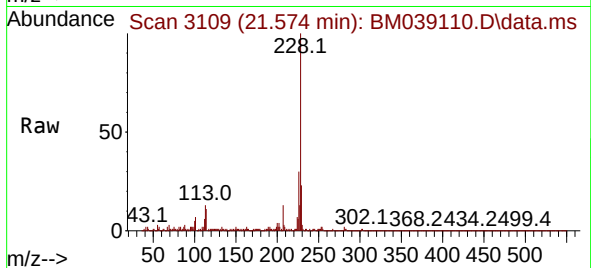
Tgt Ion:228 Resp: 3199027

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 22.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.135 ng

RT: 21.444 min Scan# 3087

Delta R.T. 0.006 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

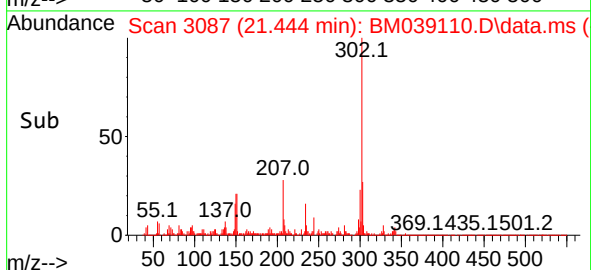
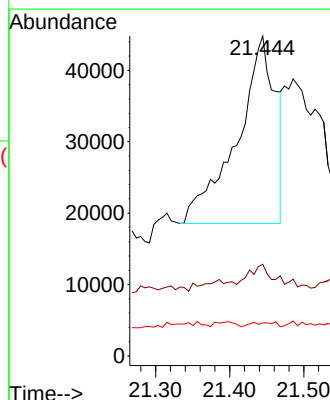
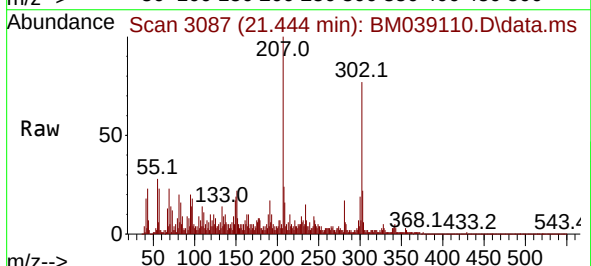
Tgt Ion:149 Resp: 94925

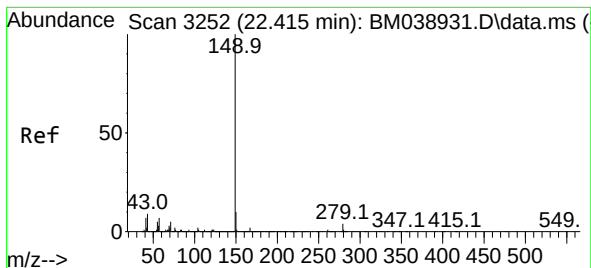
Ion Ratio Lower Upper

149 100

167 28.6 22.3 33.5

279 10.3 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 4.354 ng

RT: 22.333 min Scan# 31

Delta R.T. -0.041 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

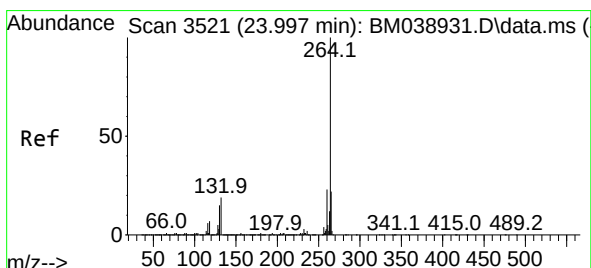
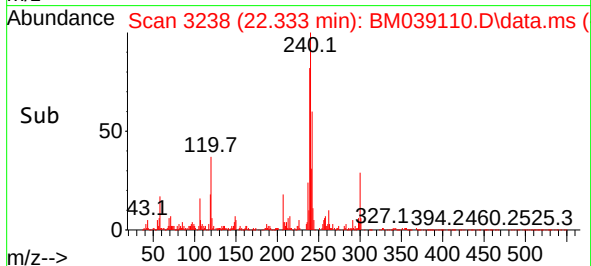
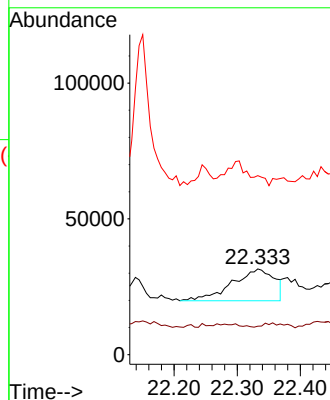
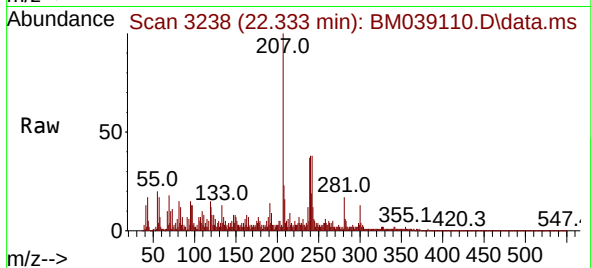
Tgt Ion:149 Resp: 54814

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.985 min Scan# 3519

Delta R.T. 0.024 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

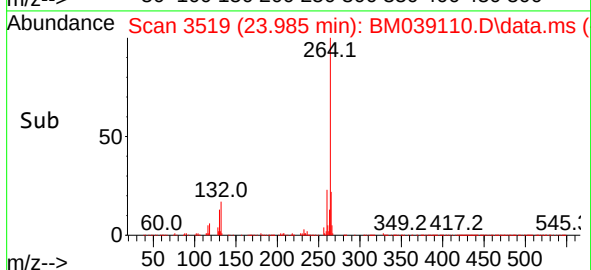
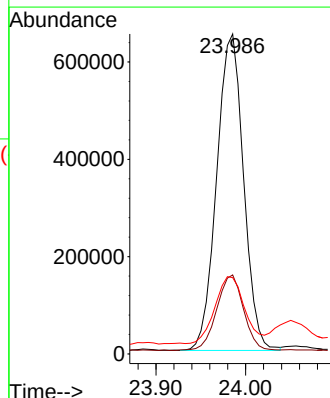
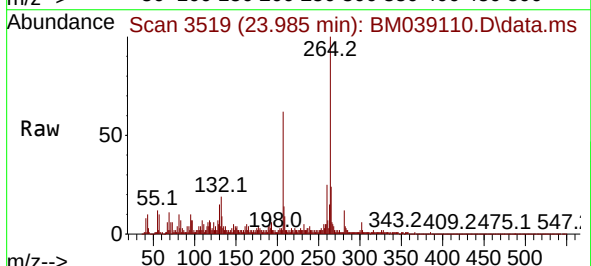
Tgt Ion:264 Resp: 1353225

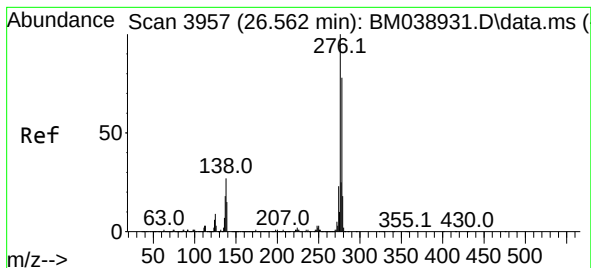
Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 23.8 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.364 ng

RT: 26.538 min Scan# 3953

Delta R.T. 0.041 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

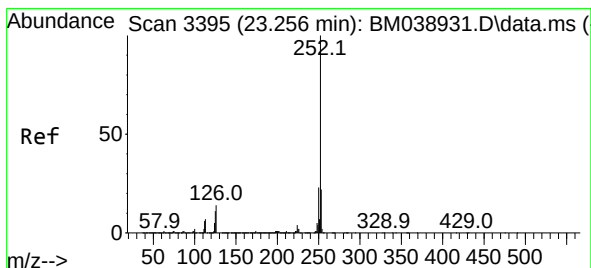
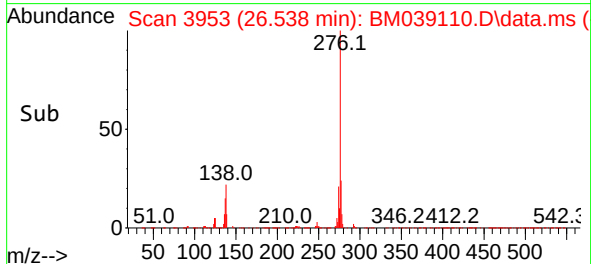
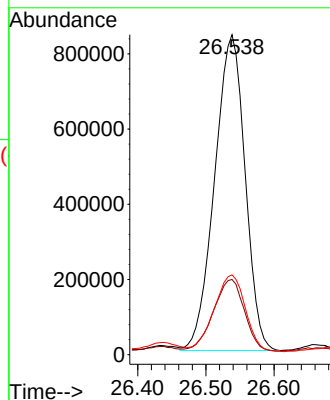
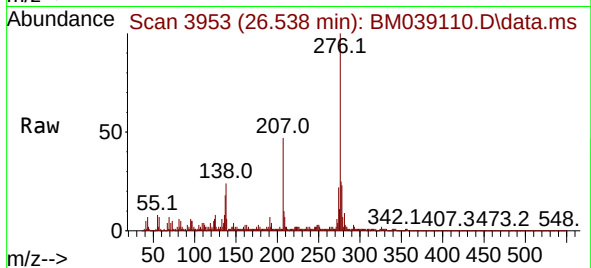
Tgt Ion:276 Resp: 2611721

Ion Ratio Lower Upper

276 100

138 23.1 22.1 33.1

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 57.625 ng

RT: 23.244 min Scan# 3393

Delta R.T. 0.024 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

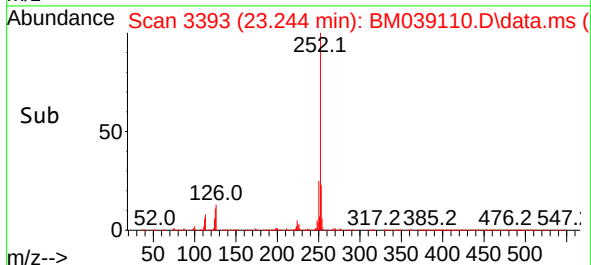
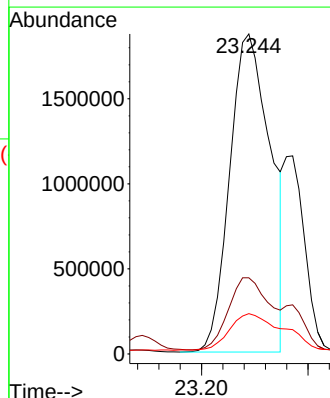
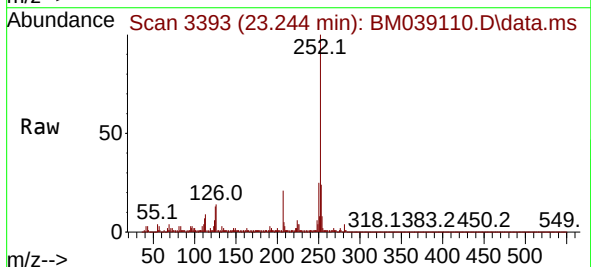
Tgt Ion:252 Resp: 4981881

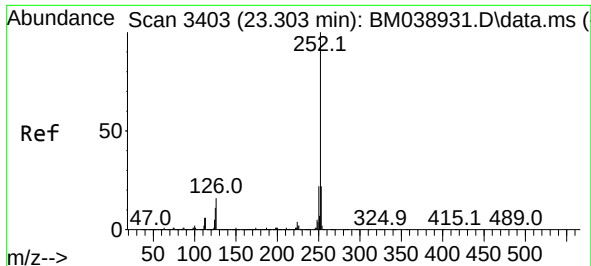
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 12.6 8.8 13.2

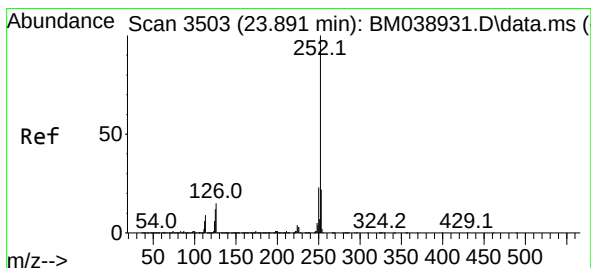
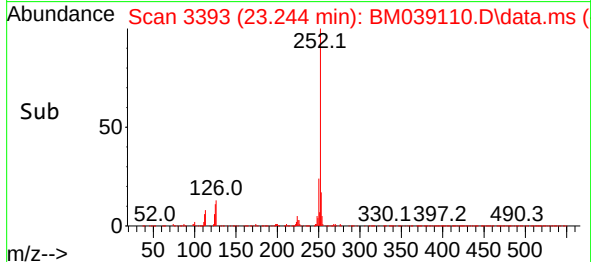
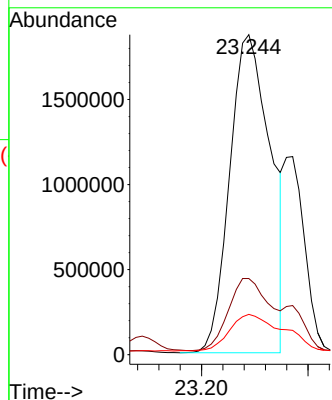
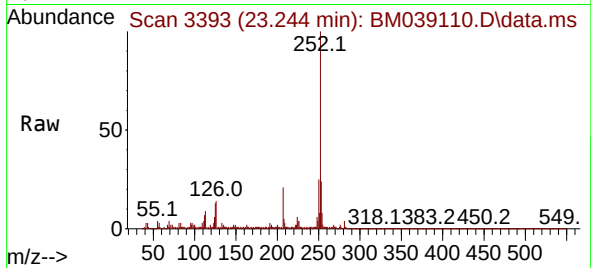




#89
Benzo(k)fluoranthene
Concen: 55.372 ng
RT: 23.244 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

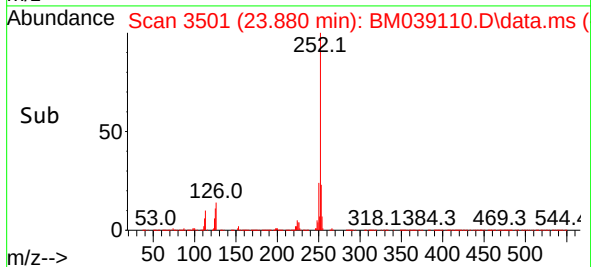
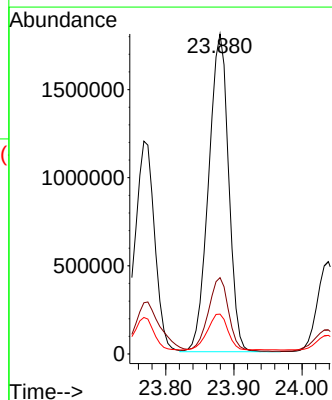
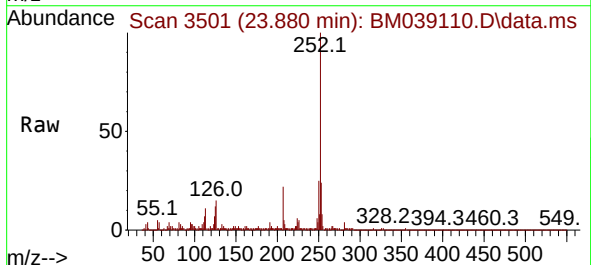
Instrument :
BNA_M
ClientSampleId :
EO-1-032123

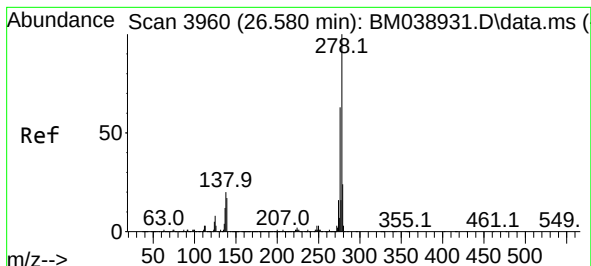
Tgt Ion:252 Resp: 4981881
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 12.6 8.9 13.3



#90
Benzo(a)pyrene
Concen: 44.231 ng
RT: 23.880 min Scan# 3501
Delta R.T. 0.024 min
Lab File: BM039110.D
Acq: 23 Mar 2023 02:23

Tgt Ion:252 Resp: 3680246
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 12.5 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 7.632 ng

RT: 26.538 min Scan# 3

Delta R.T. 0.029 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Instrument :

BNA_M

ClientSampleId :

EO-1-032123

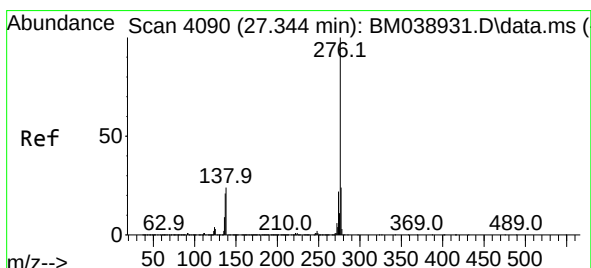
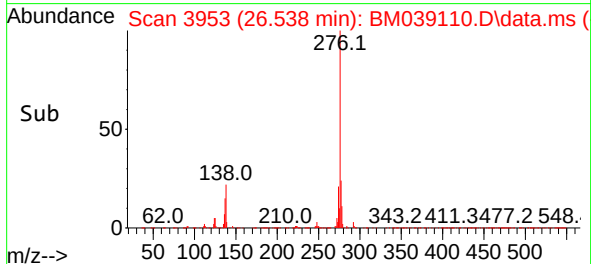
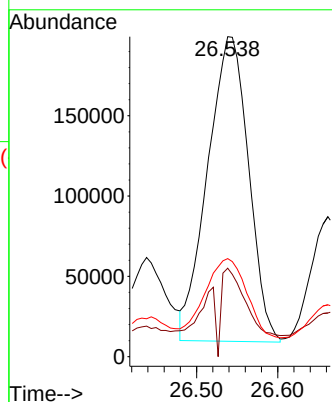
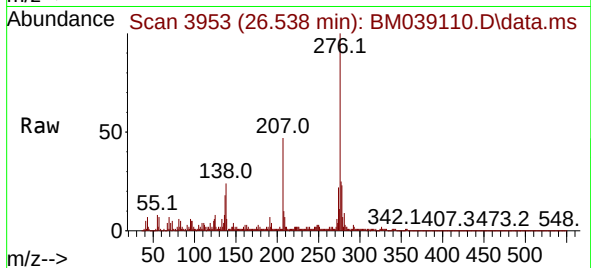
Tgt Ion:278 Resp: 665532

Ion Ratio Lower Upper

278 100

139 27.7 13.7 20.5#

279 30.6 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 30.191 ng

RT: 27.326 min Scan# 4087

Delta R.T. 0.053 min

Lab File: BM039110.D

Acq: 23 Mar 2023 02:23

Tgt Ion:276 Resp: 2575812

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 24.0 19.0 28.6

