

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
 Data File : BM044757.D
 Acq On : 25 Mar 2024 15:58
 Operator : MA/JU
 Sample : P1842-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-B

Quant Time: Mar 25 16:27:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

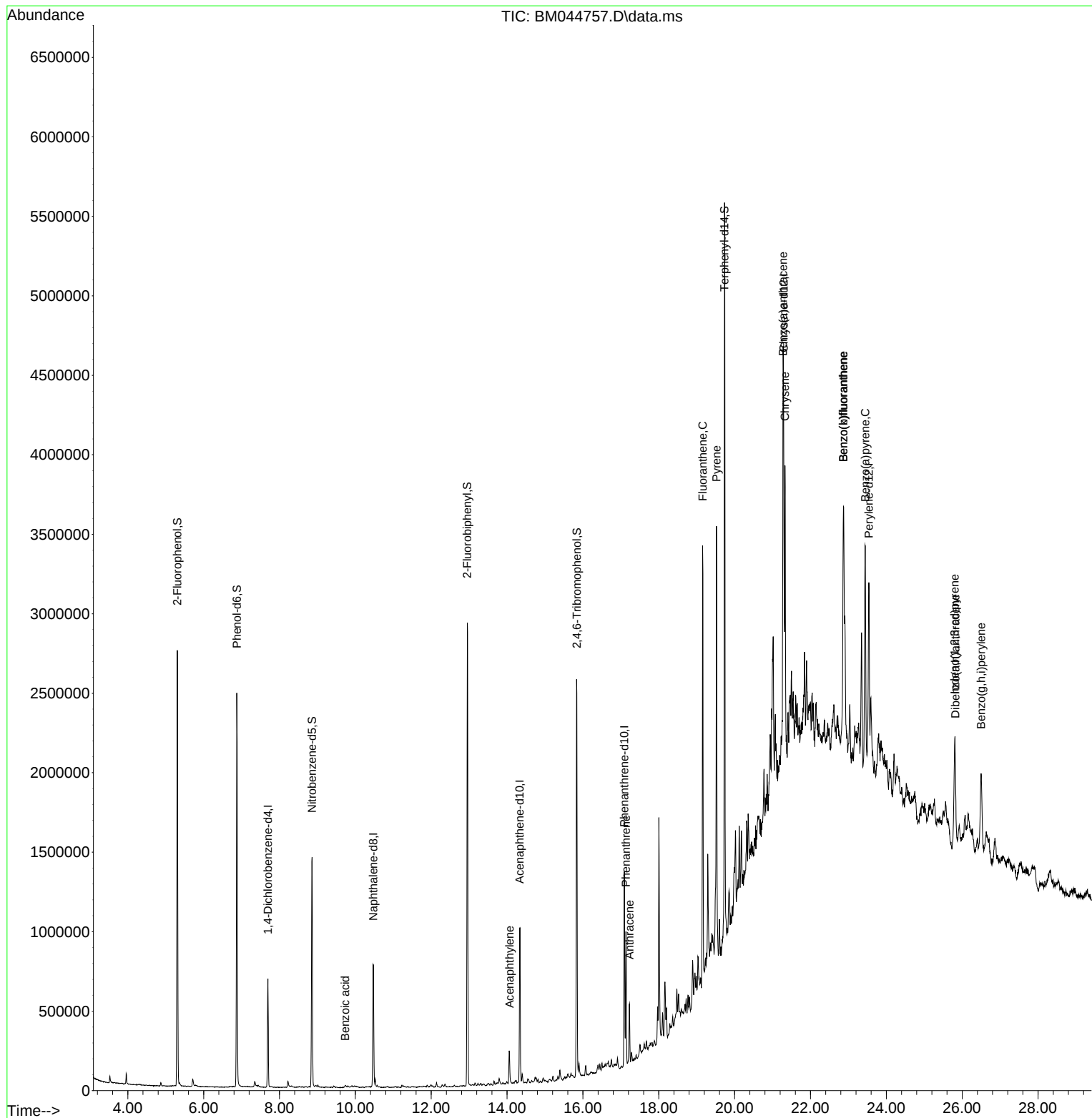
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	175121	20.000	ng	-0.01
21) Naphthalene-d8	10.475	136	646470	20.000	ng	-0.01
39) Acenaphthene-d10	14.333	164	353776	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	711196	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	664514	20.000	ng	-0.01
86) Perylene-d12	23.538	264	791629	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1100663	90.241	ng	0.00
7) Phenol-d6	6.875	99	1329445	84.724	ng	0.00
23) Nitrobenzene-d5	8.857	82	828309	61.726	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	427178	109.476	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1534076	59.720	ng	-0.02
79) Terphenyl-d14	19.733	244	2222357	58.504	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.733	122	8404	4.587	ng	# 83
49) Acenaphthylene	14.063	152	181109	5.434	ng	99
71) Phenanthrene	17.133	178	490336	12.476	ng	100
72) Anthracene	17.227	178	237040	6.013	ng	99
75) Fluoranthene	19.156	202	1565260	35.627	ng	98
78) Pyrene	19.521	202	1621815	33.300	ng	100
81) Benzo(a)anthracene	21.274	228	1012910	21.907	ng	96
83) Chrysene	21.327	228	894771	20.252	ng	97
87) Indeno(1,2,3-cd)pyrene	25.803	276	607738	10.620	ng	# 94
88) Benzo(b)fluoranthene	22.868	252	1231289	26.467	ng	# 96
89) Benzo(k)fluoranthene	22.868	252	1231289	25.745	ng	# 95
90) Benzo(a)pyrene	23.444	252	935259	20.611	ng	98
91) Dibenzo(a,h)anthracene	25.821	278	167342	3.469	ng	# 84
92) Benzo(g,h,i)perylene	26.497	276	607390	12.789	ng	97

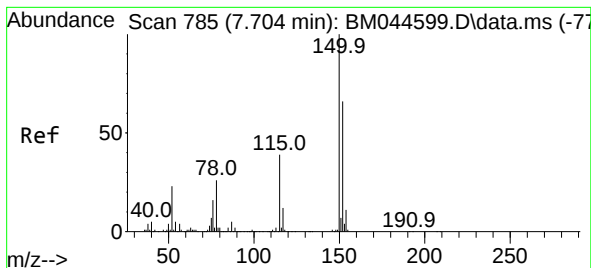
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.692 min Scan# 785

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

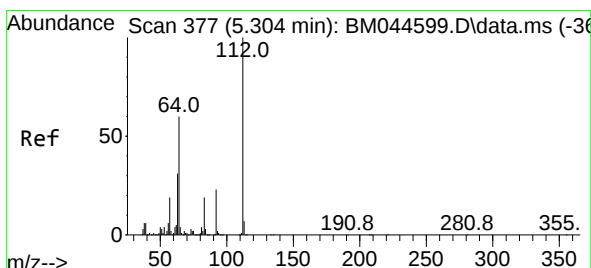
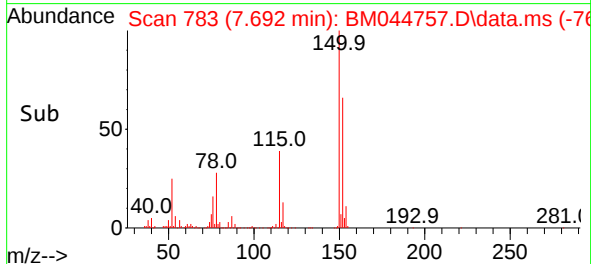
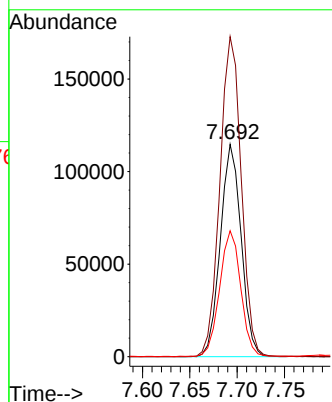
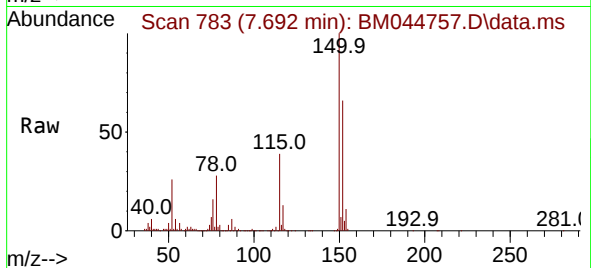
Tgt Ion:152 Resp: 175121

Ion Ratio Lower Upper

152 100

150 150.7 121.9 182.9

115 59.3 47.1 70.7



#5

2-Fluorophenol

Concen: 90.241 ng

RT: 5.304 min Scan# 377

Delta R.T. 0.000 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

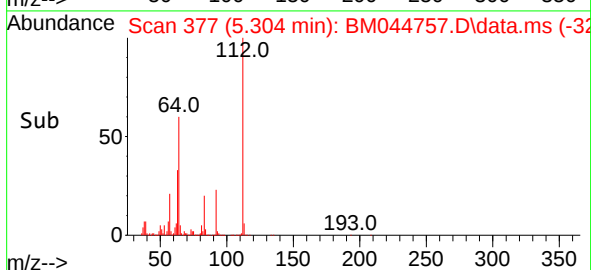
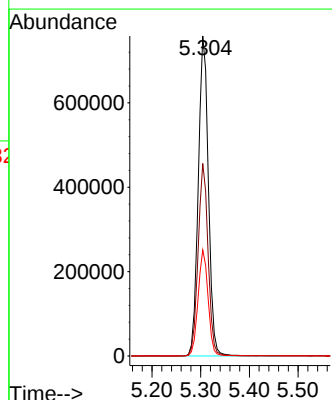
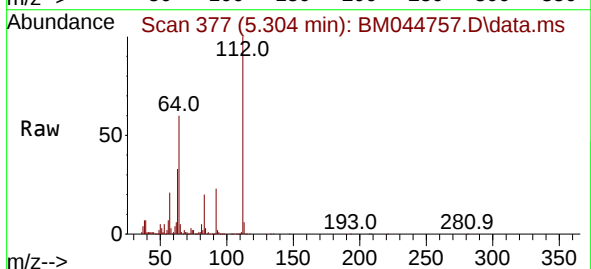
Tgt Ion:112 Resp: 1100663

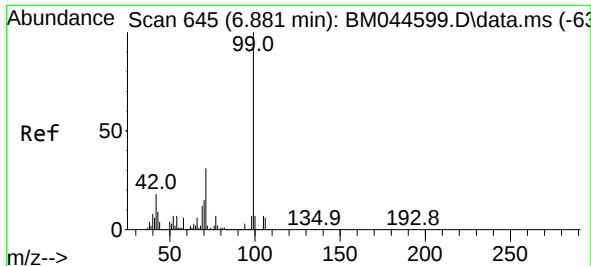
Ion Ratio Lower Upper

112 100

64 60.1 47.9 71.9

63 33.1 25.0 37.4

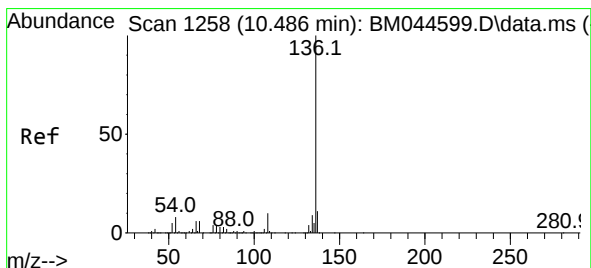
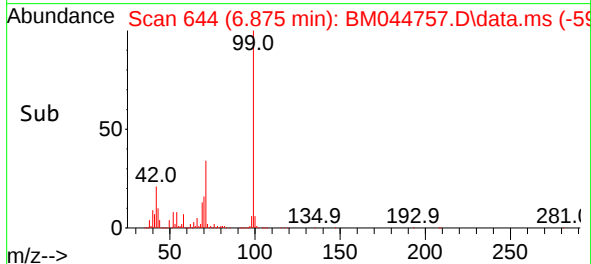
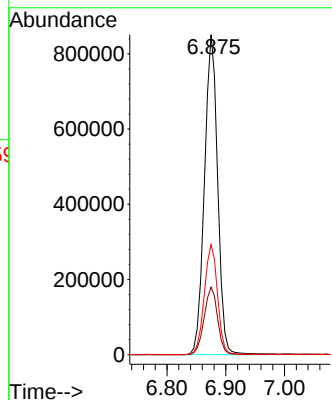
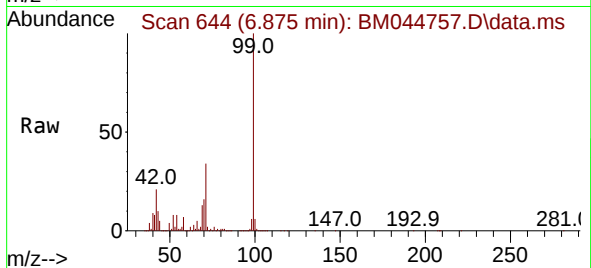




#7
Phenol-d6
Concen: 84.724 ng
RT: 6.875 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

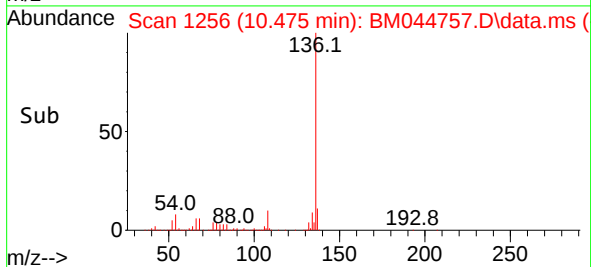
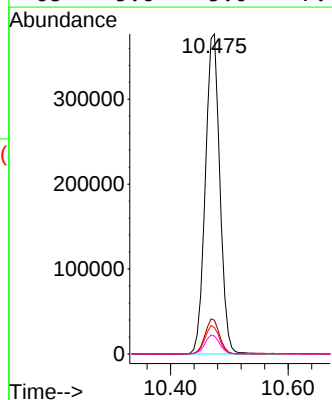
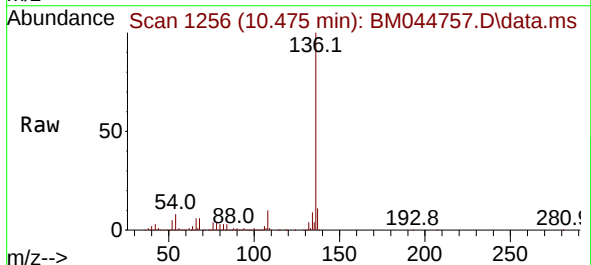
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

Tgt Ion: 99 Resp: 1329445
Ion Ratio Lower Upper
99 100
42 21.1 14.3 21.5
71 34.4 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion:136 Resp: 646470
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.2 6.6 10.0
68 5.6 5.0 7.4

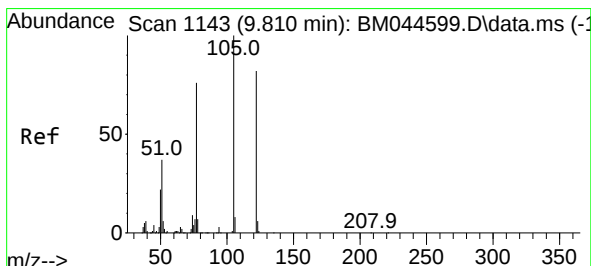
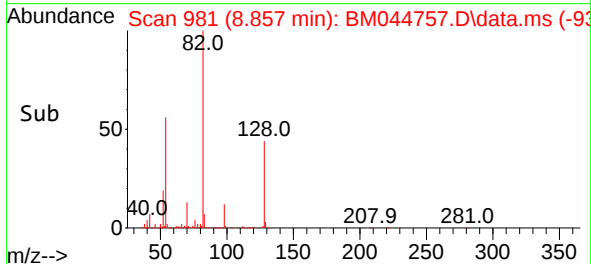
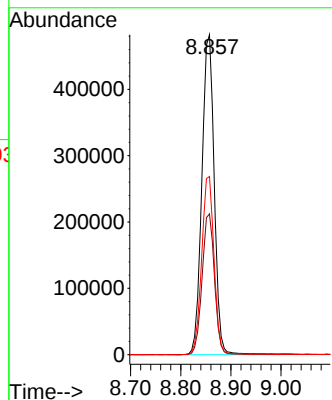
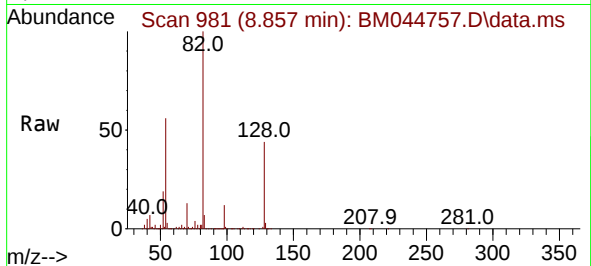




#23
Nitrobenzene-d5
Concen: 61.726 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

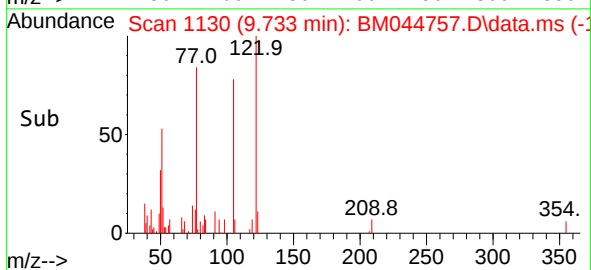
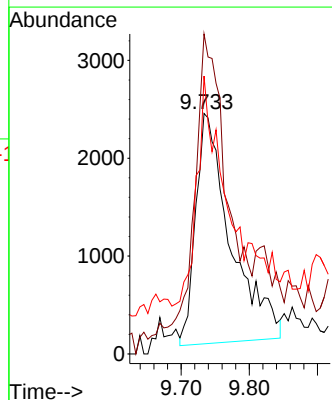
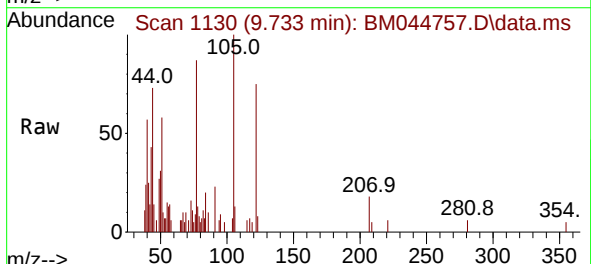
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

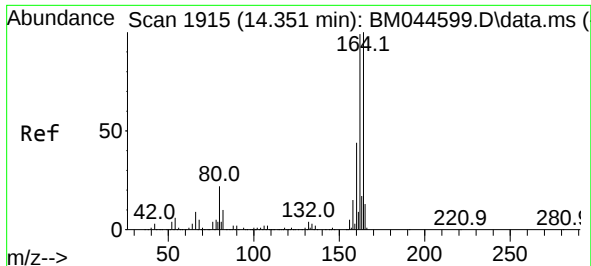
Tgt Ion: 82 Resp: 828309
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 55.7 41.3 61.9



#32
Benzoic acid
Concen: 4.587 ng
RT: 9.733 min Scan# 1130
Delta R.T. -0.077 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion: 122 Resp: 8404
Ion Ratio Lower Upper
122 100
105 133.1 100.0 140.0
77 115.6 72.5 112.5#

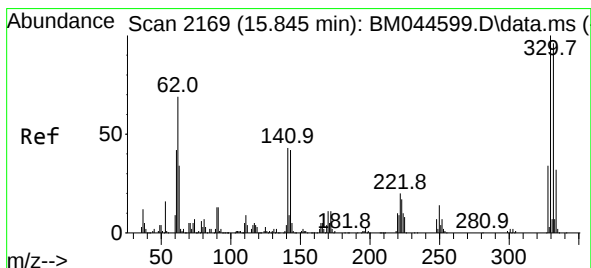
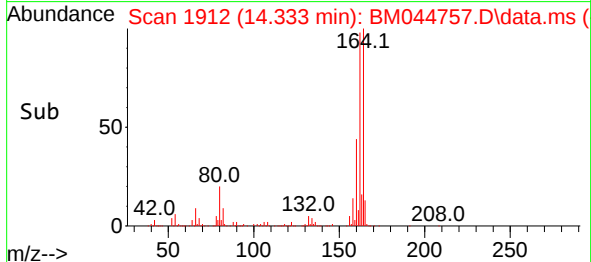
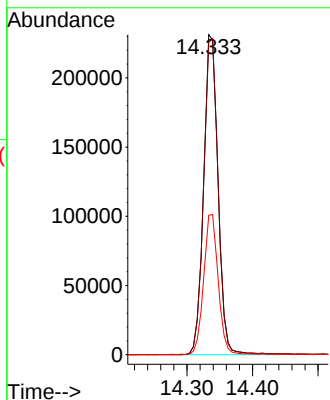
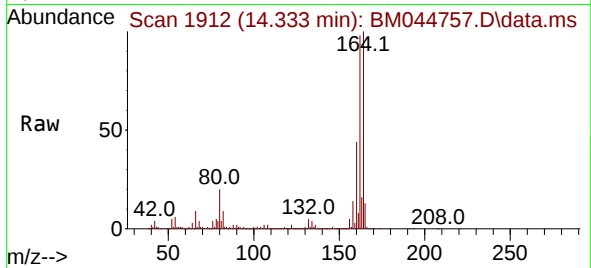




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

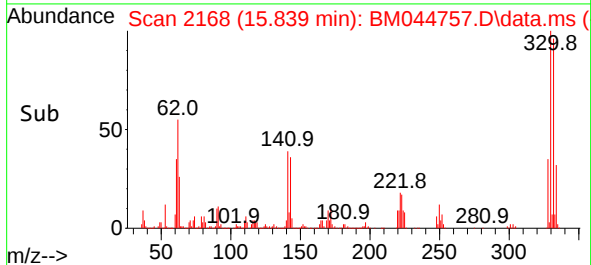
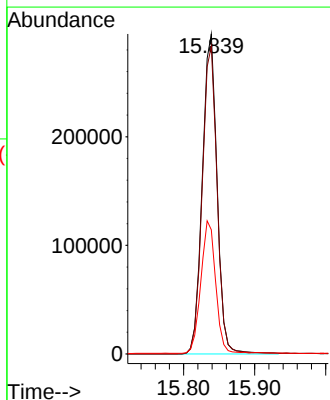
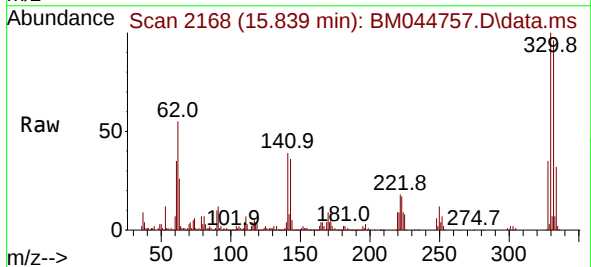
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

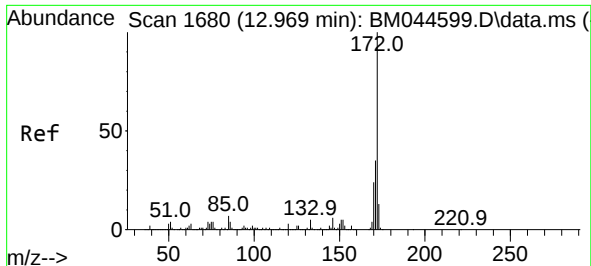
Tgt Ion:164 Resp: 353776
Ion Ratio Lower Upper
164 100
162 97.6 79.3 118.9
160 43.6 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 109.476 ng
RT: 15.839 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion:330 Resp: 427178
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 41.4 33.4 50.0

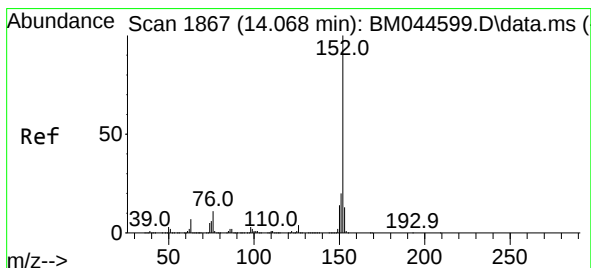
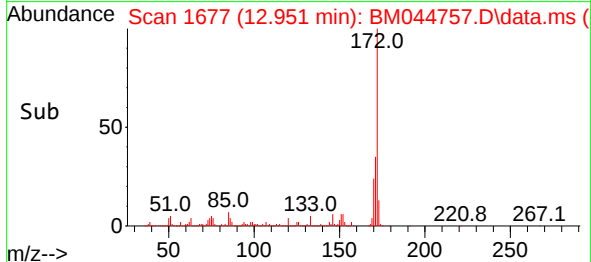
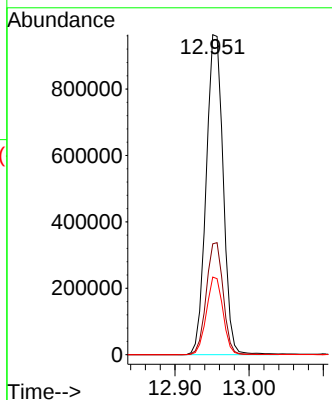
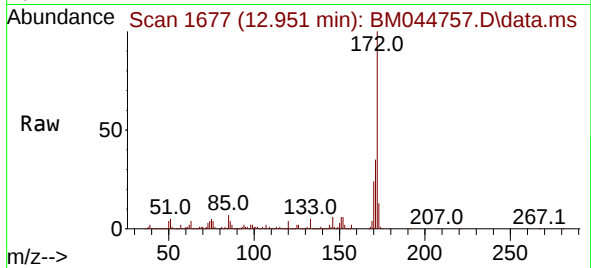




#45
2-Fluorobiphenyl
Concen: 59.720 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

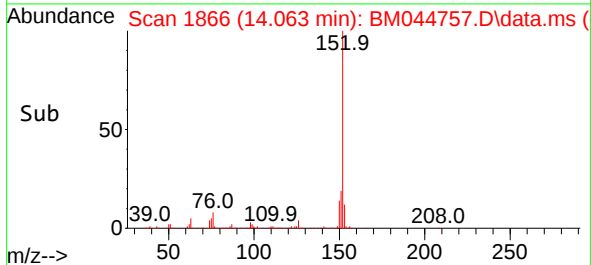
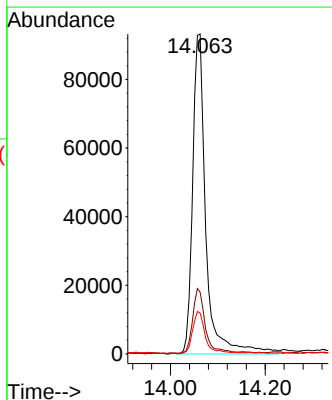
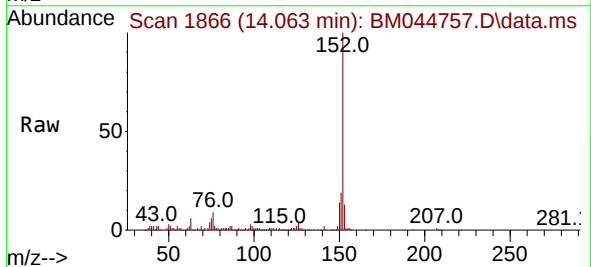
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

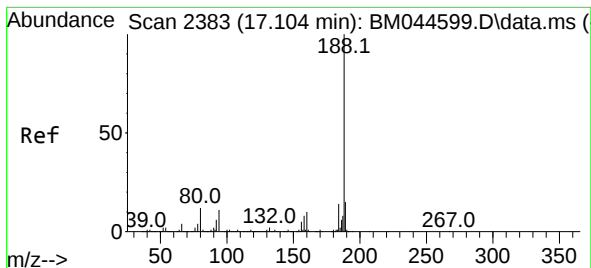
Tgt Ion:172 Resp: 1534076
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 24.3 19.0 28.6



#49
Acenaphthylene
Concen: 5.434 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion:152 Resp: 181109
Ion Ratio Lower Upper
152 100
151 19.3 16.0 24.0
153 12.8 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

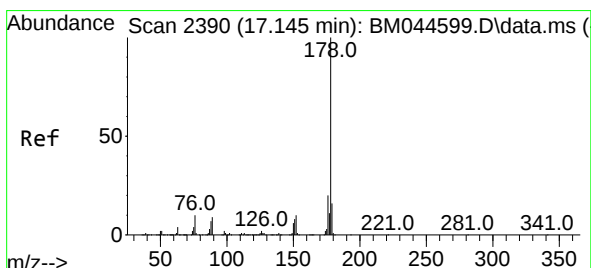
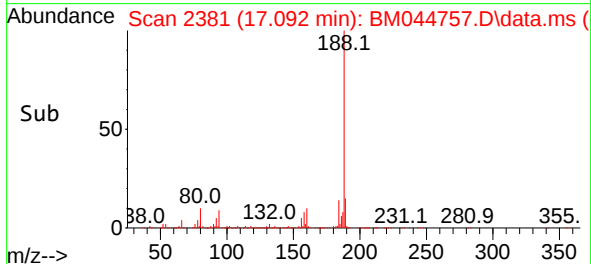
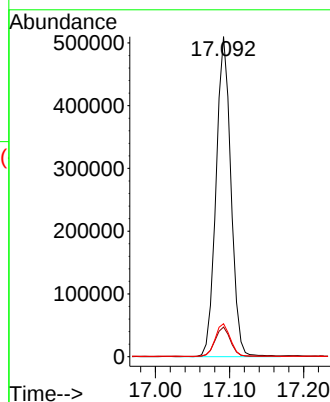
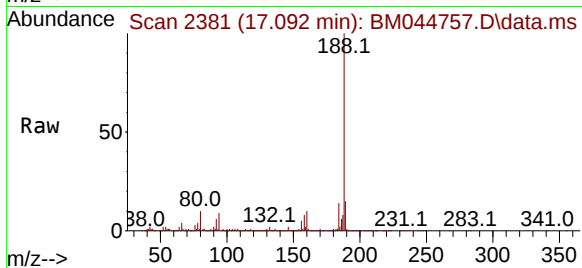
Tgt Ion:188 Resp: 711196

Ion Ratio Lower Upper

188 100

94 9.3 8.4 12.6

80 10.3 9.4 14.0



#71

Phenanthrene

Concen: 12.476 ng

RT: 17.133 min Scan# 2388

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

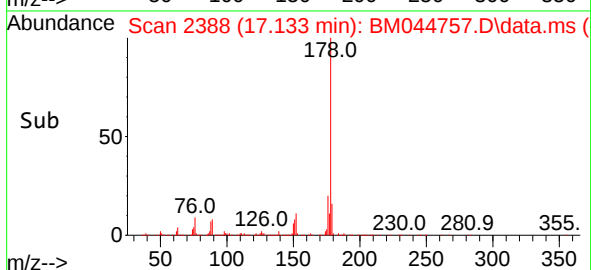
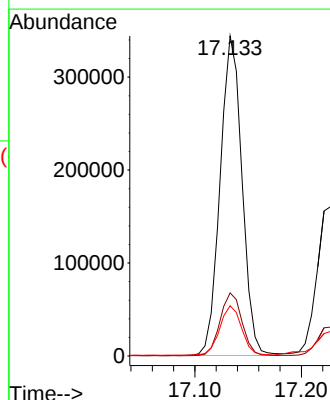
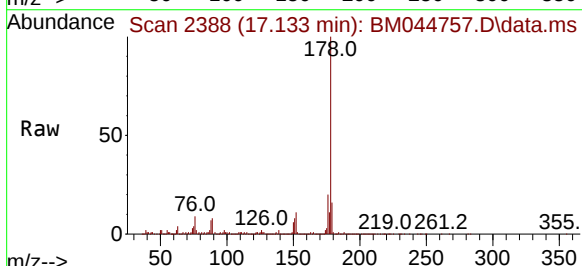
Tgt Ion:178 Resp: 490336

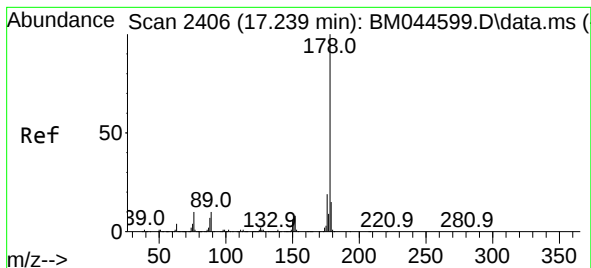
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.7 12.4 18.6





#72

Anthracene

Concen: 6.013 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

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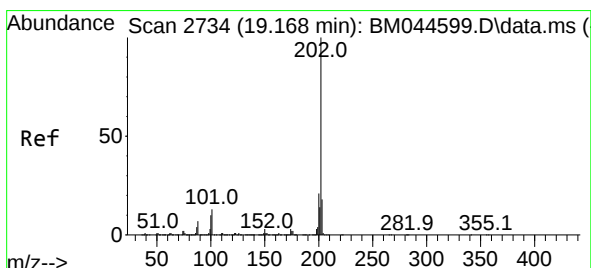
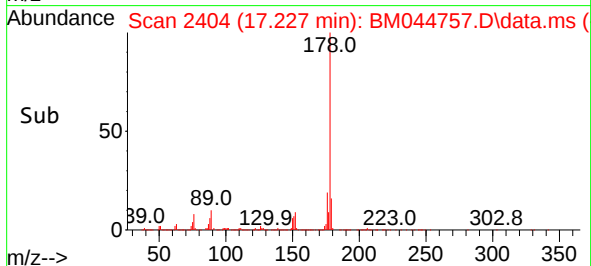
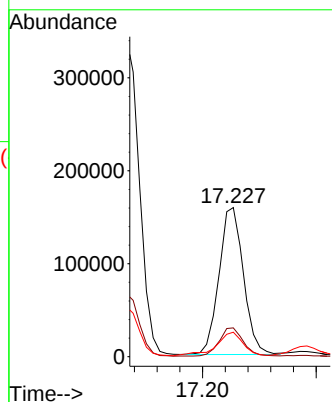
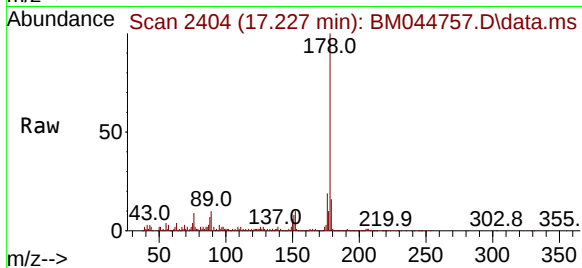
Tgt Ion:178 Resp: 237040

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 16.4 12.2 18.4



#75

Fluoranthene

Concen: 35.627 ng

RT: 19.156 min Scan# 2732

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

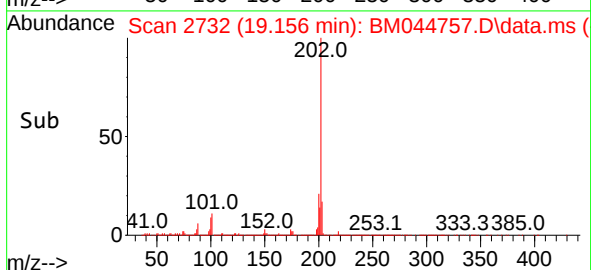
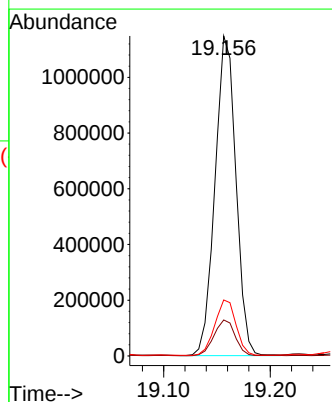
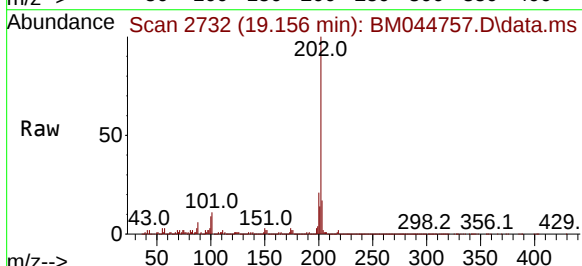
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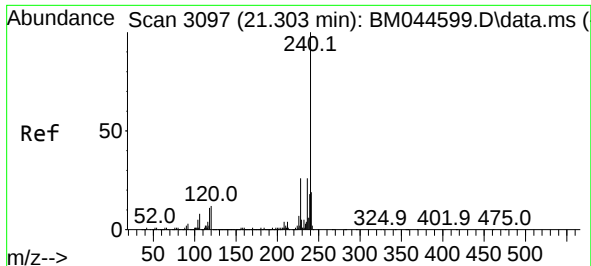
Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.3

203 17.5 0.0 37.7

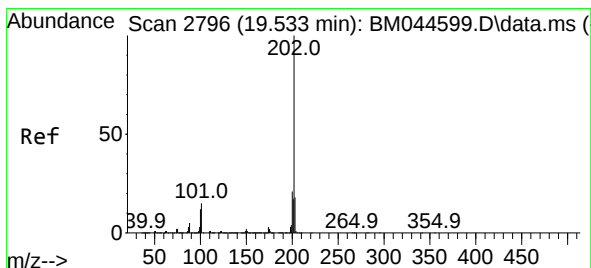
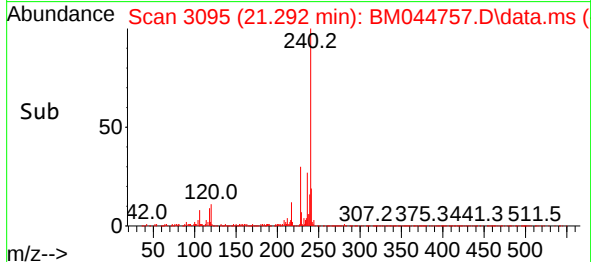
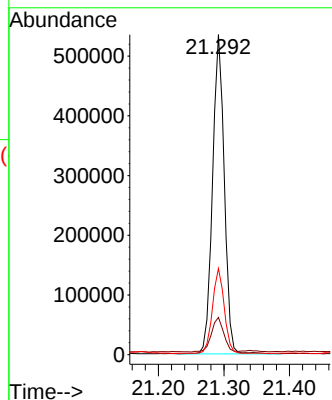
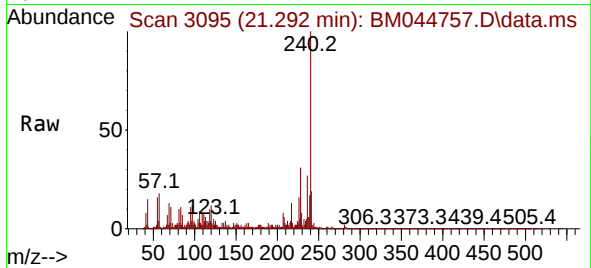




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

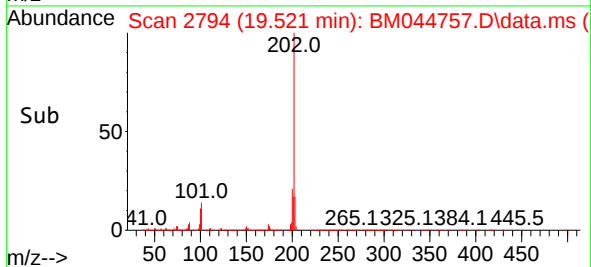
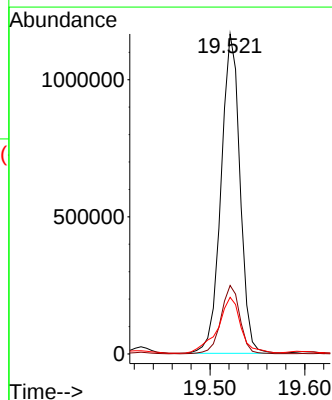
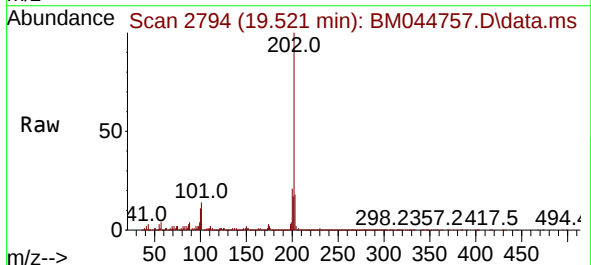
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

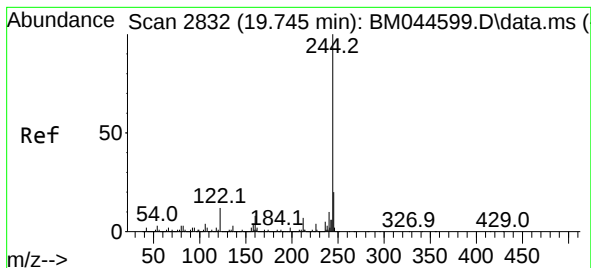
Tgt Ion:240 Resp: 664514
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 27.0 21.0 31.4



#78
Pyrene
Concen: 33.300 ng
RT: 19.521 min Scan# 2794
Delta R.T. -0.012 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion:202 Resp: 1621815
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 58.504 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

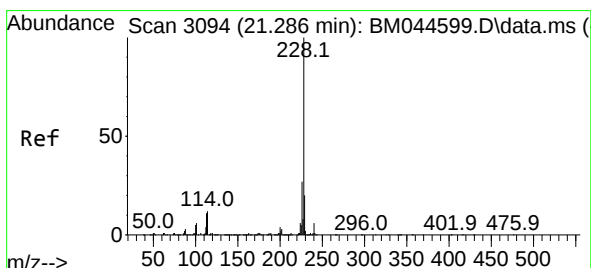
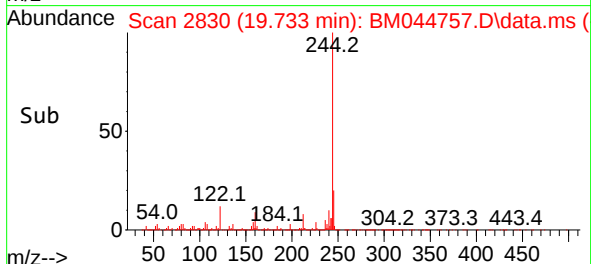
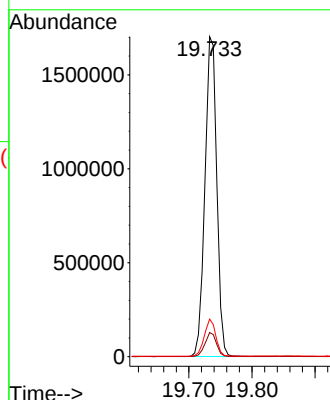
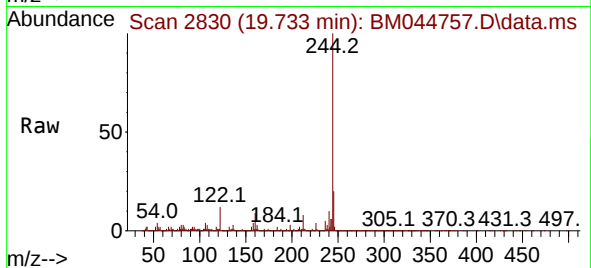
Tgt Ion:244 Resp: 2222357

Ion Ratio Lower Upper

244 100

212 7.6 5.5 8.3

122 11.7 9.7 14.5



#81

Benzo(a)anthracene

Concen: 21.907 ng

RT: 21.274 min Scan# 3092

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

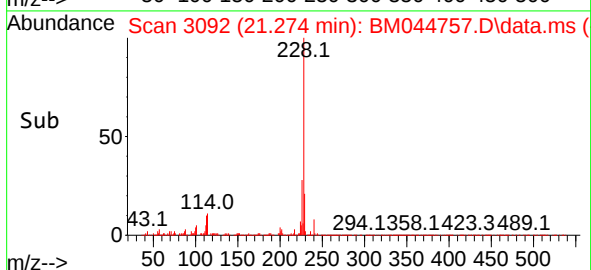
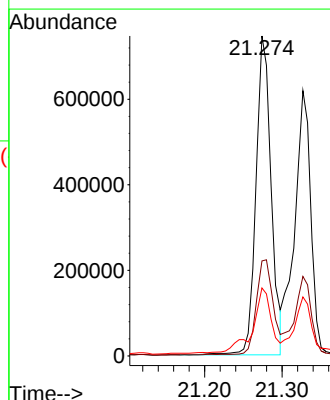
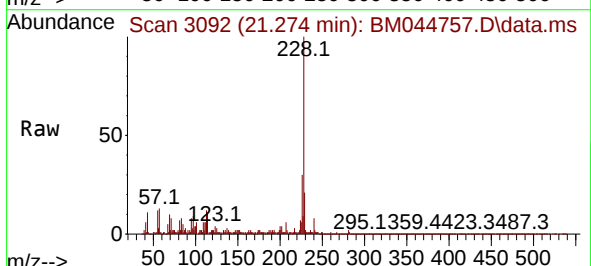
Tgt Ion:228 Resp: 1012910

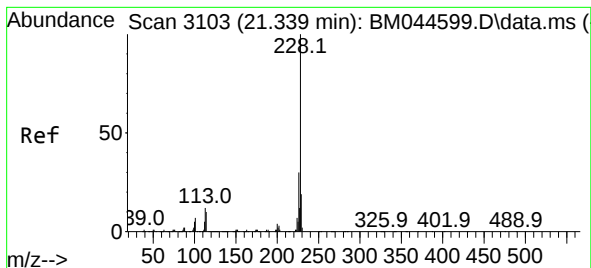
Ion Ratio Lower Upper

228 100

226 29.7 21.9 32.9

229 21.3 15.9 23.9





#83

Chrysene

Concen: 20.252 ng

RT: 21.327 min Scan# 3103

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

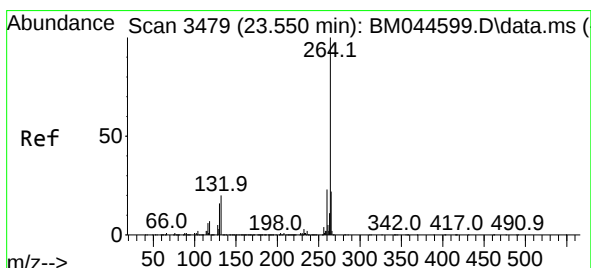
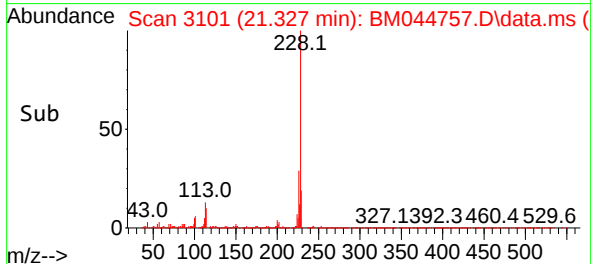
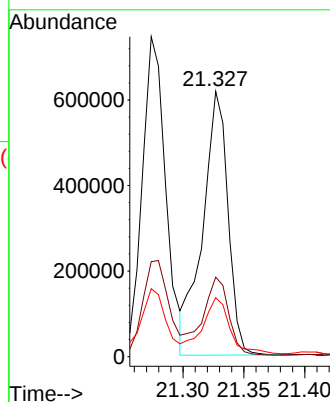
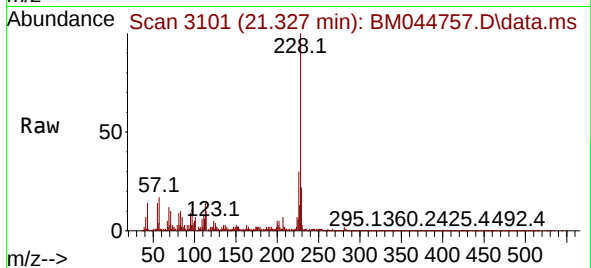
Tgt Ion:228 Resp: 894771

Ion Ratio Lower Upper

228 100

226 30.0 23.6 35.4

229 22.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.538 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

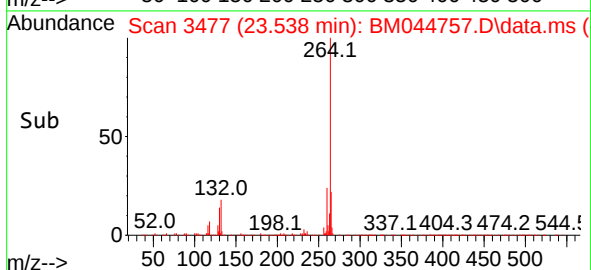
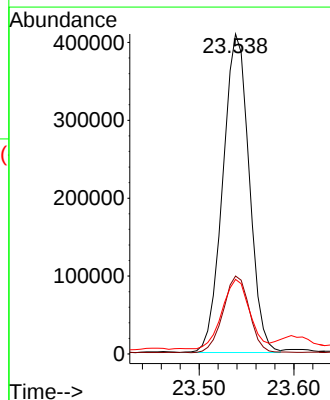
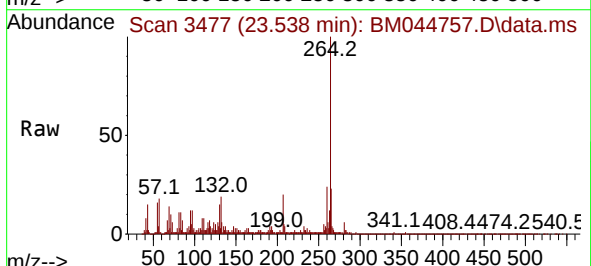
Tgt Ion:264 Resp: 791629

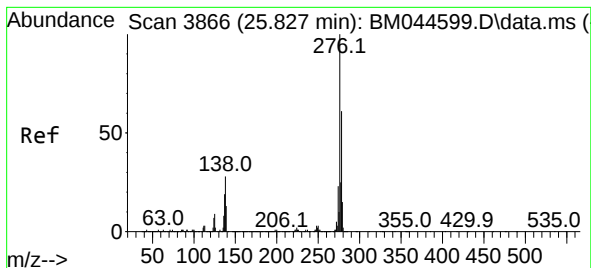
Ion Ratio Lower Upper

264 100

260 24.4 18.3 27.5

265 23.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.620 ng

RT: 25.803 min Scan# 31

Delta R.T. -0.023 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

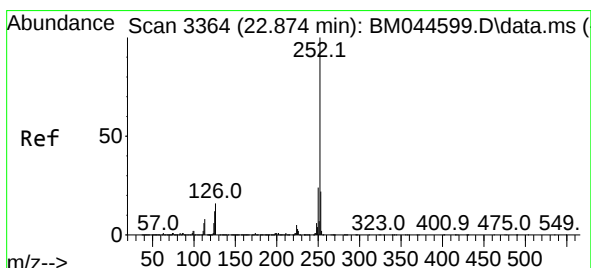
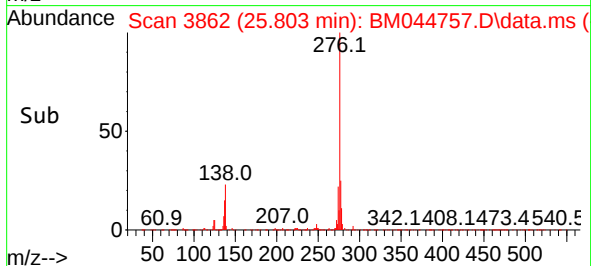
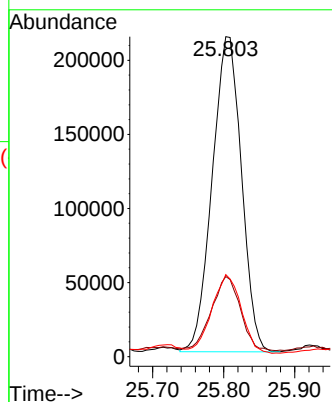
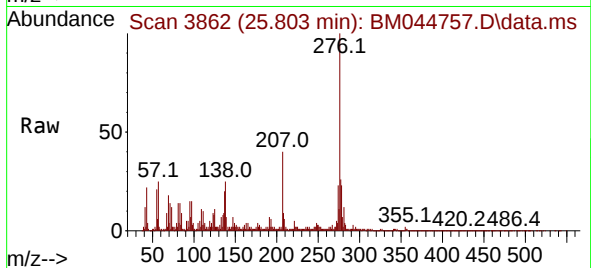
Tgt Ion:276 Resp: 607738

Ion Ratio Lower Upper

276 100

138 23.3 23.6 35.4#

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 26.467 ng

RT: 22.868 min Scan# 3363

Delta R.T. -0.006 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

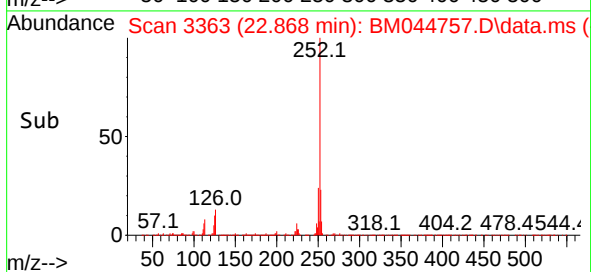
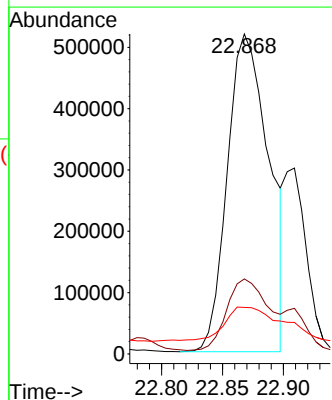
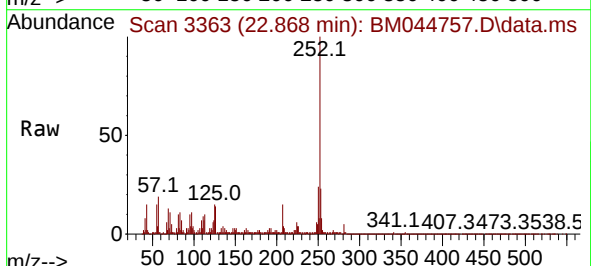
Tgt Ion:252 Resp: 1231289

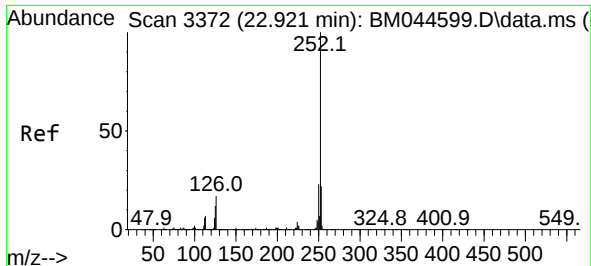
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 14.5 9.6 14.4#

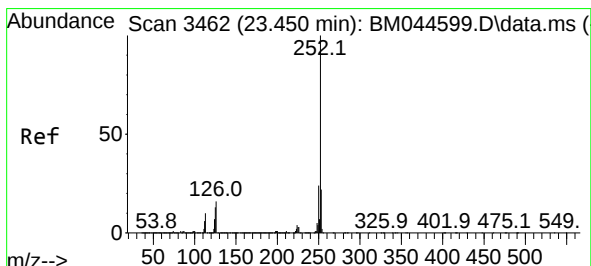
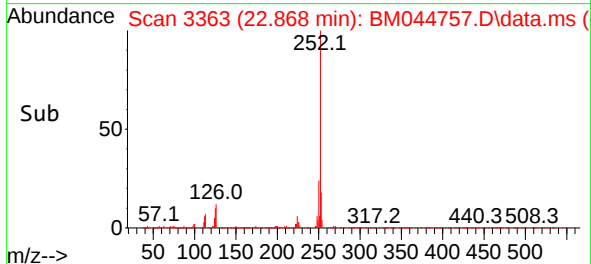
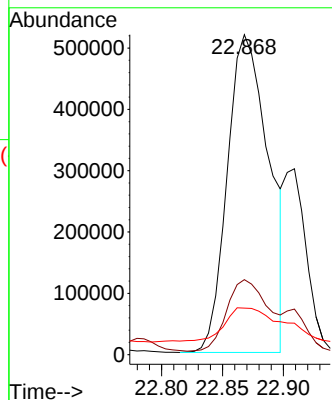
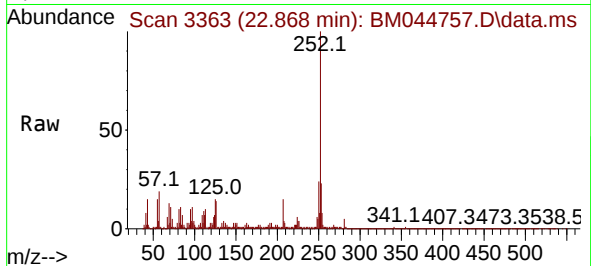




#89
Benzo(k)fluoranthene
Concen: 25.745 ng
RT: 22.868 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

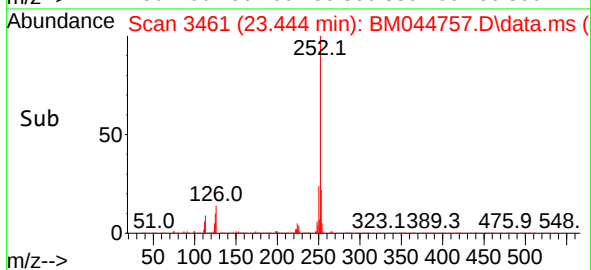
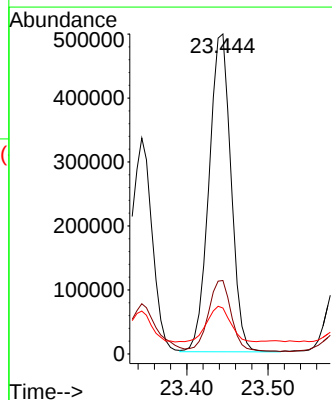
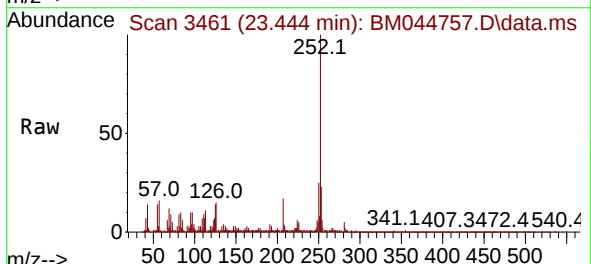
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-B

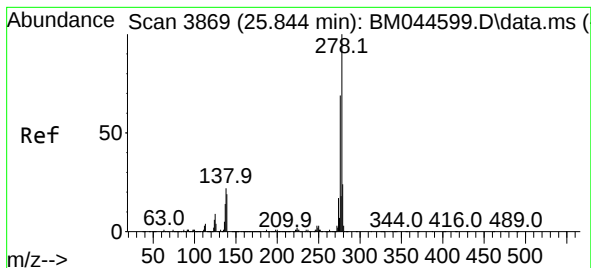
Tgt Ion:252 Resp: 1231289
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 14.5 9.4 14.0#



#90
Benzo(a)pyrene
Concen: 20.611 ng
RT: 23.444 min Scan# 3461
Delta R.T. -0.006 min
Lab File: BM044757.D
Acq: 25 Mar 2024 15:58

Tgt Ion:252 Resp: 935259
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 14.4 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 3.469 ng

RT: 25.821 min Scan# 3

Delta R.T. -0.023 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-B

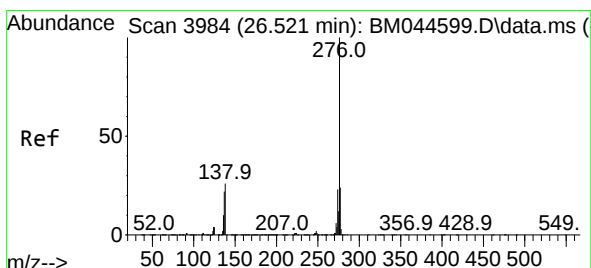
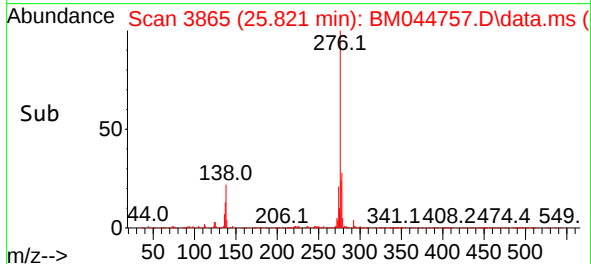
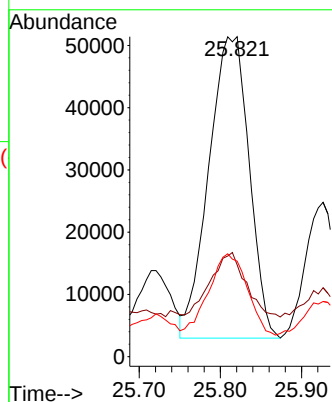
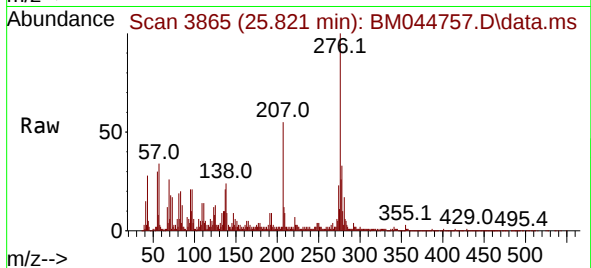
Tgt Ion:278 Resp: 167342

Ion Ratio Lower Upper

278 100

139 28.7 15.0 22.6#

279 29.8 19.3 28.9#



#92

Benzo(g,h,i)perylene

Concen: 12.789 ng

RT: 26.497 min Scan# 3980

Delta R.T. -0.023 min

Lab File: BM044757.D

Acq: 25 Mar 2024 15:58

Tgt Ion:276 Resp: 607390

Ion Ratio Lower Upper

276 100

277 25.7 19.3 28.9

138 24.4 20.7 31.1

