

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047223.D
 Acq On : 15 Aug 2024 20:13
 Operator : RC/JU
 Sample : P3518-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-06-080724

Quant Time: Aug 16 01:20:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

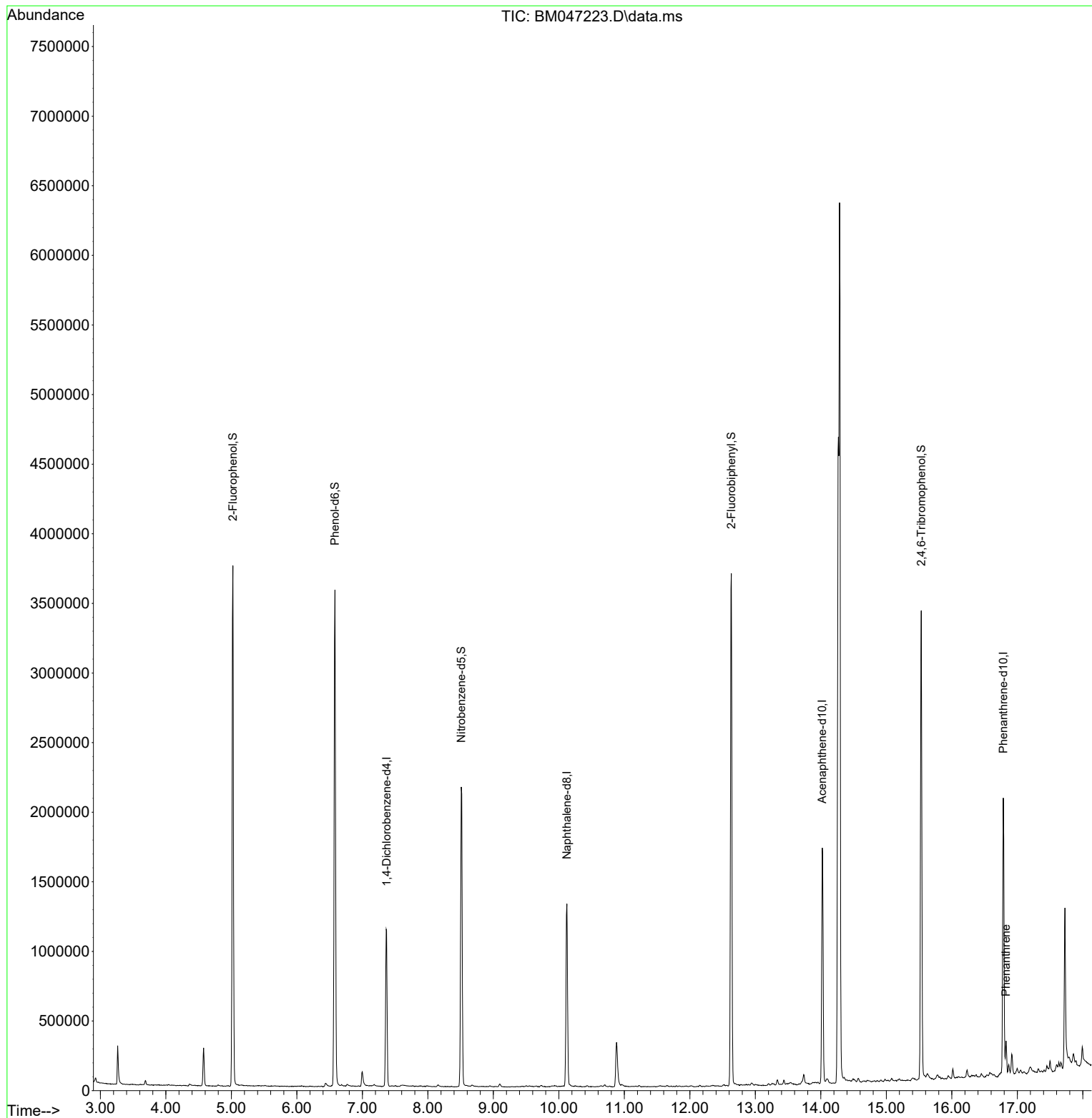
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	315474	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1093111	20.000	ng	-0.01
39) Acenaphthene-d10	14.022	164	616842	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1184560	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1015579	20.000	ng	0.00
86) Perylene-d12	23.721	264	1160901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1550180	87.802	ng	0.00
7) Phenol-d6	6.581	99	1972338	81.074	ng	0.00
23) Nitrobenzene-d5	8.510	82	1283246	59.112	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	611466	85.491	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2004686	50.131	ng	-0.01
79) Terphenyl-d14	19.456	244	2359599	49.785	ng	0.00
Target Compounds						
9) Benzaldehyde	6.534	77	1300	Below Cal	Qvalue #	65
71) Phenanthrene	16.827	178	132361	2.226 ng		99
75) Fluoranthene	18.862	202	341812	4.727 ng		99
78) Pyrene	19.227	202	328784	4.534 ng		99
81) Benzo(a)anthracene	21.009	228	173053	2.567 ng		94
83) Chrysene	21.062	228	181620	2.839 ng		97
88) Benzo(b)fluoranthene	22.880	252	261974	3.800 ng	#	95
89) Benzo(k)fluoranthene	22.880	252	261974	4.023 ng	#	95
90) Benzo(a)pyrene	23.591	252	174638	2.924 ng	#	92
92) Benzo(g,h,i)perylene	27.644	276	138788	2.201 ng		93

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

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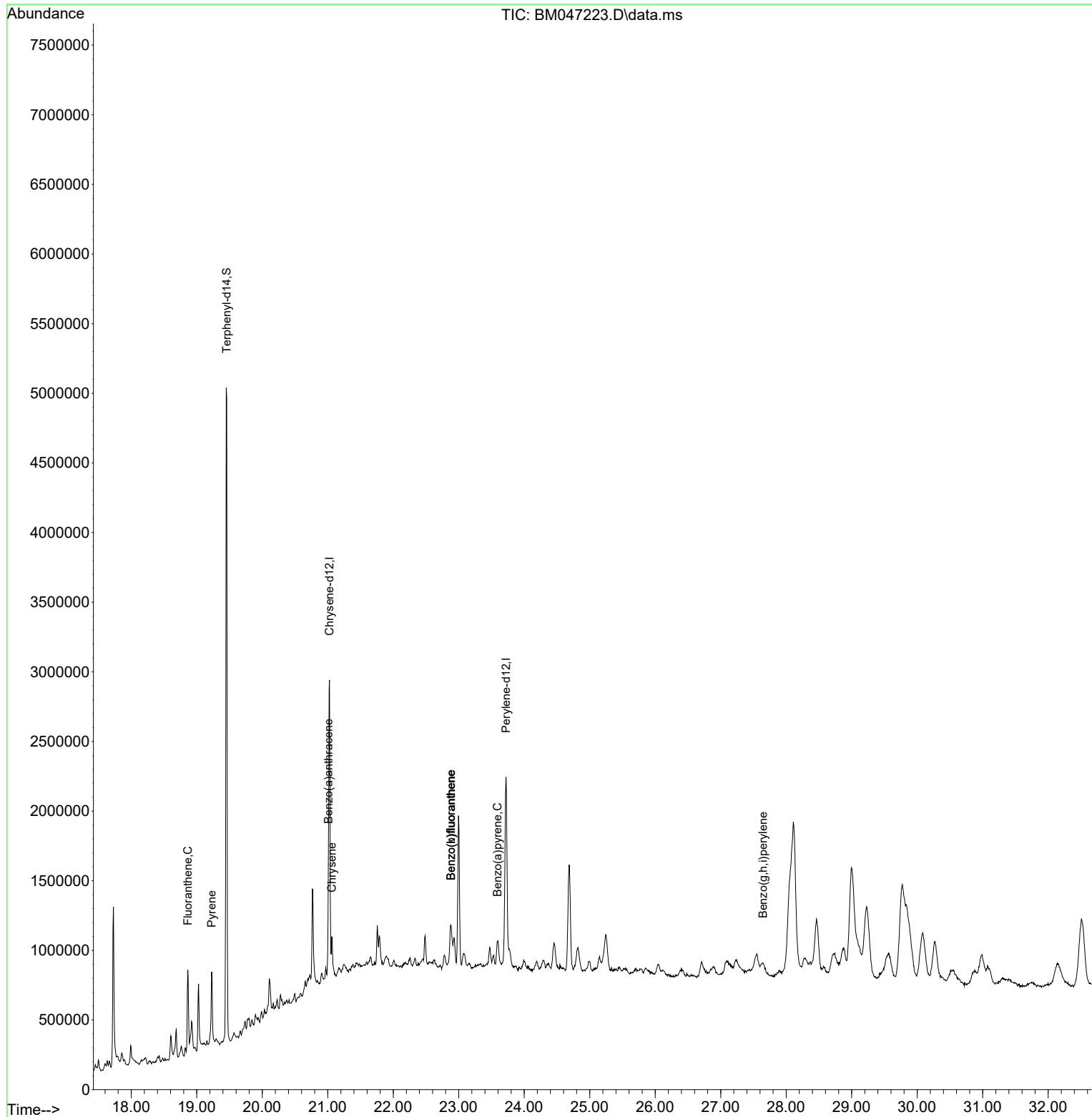
Quant Time: Aug 16 01:20:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

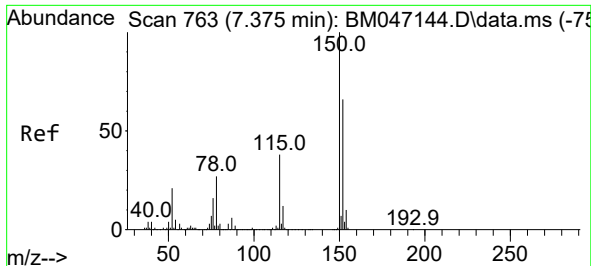


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
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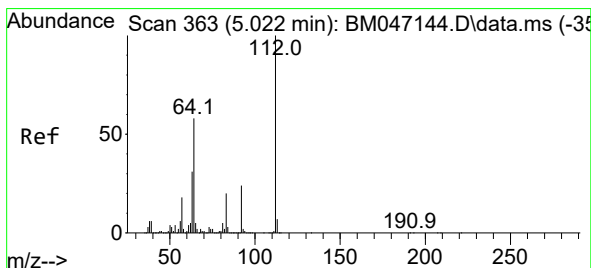
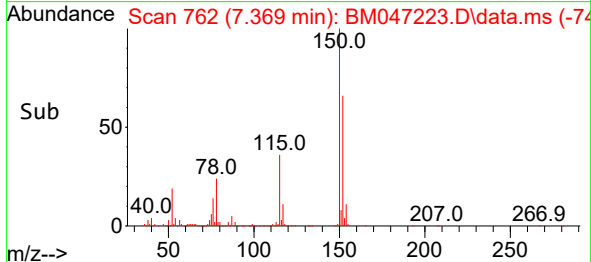
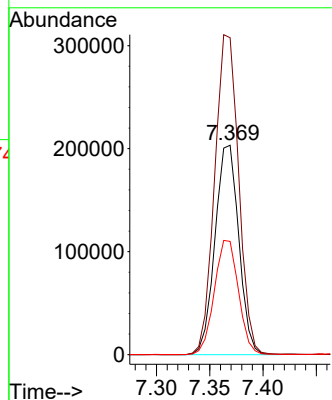
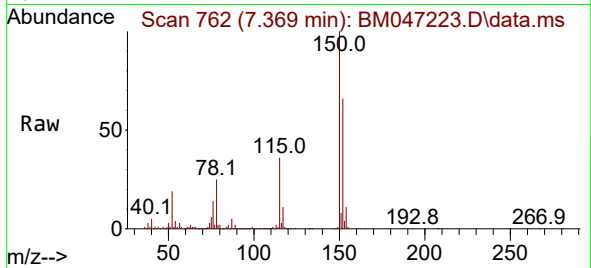




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

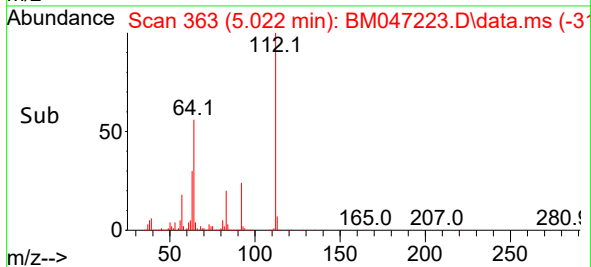
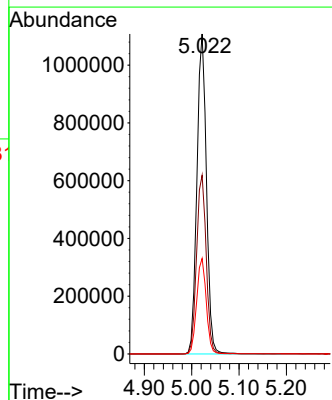
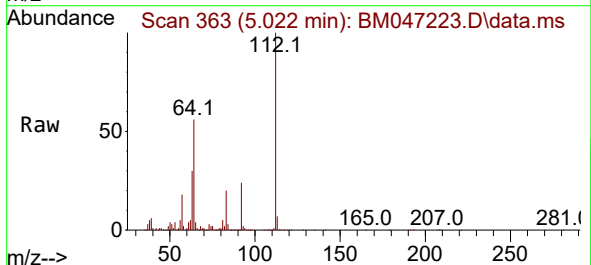
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724

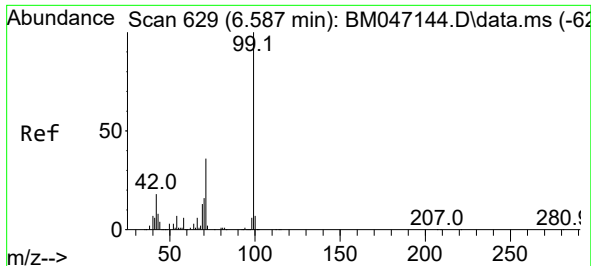
Tgt Ion:152 Resp: 315474
Ion Ratio Lower Upper
152 100
150 151.4 120.5 180.7
115 54.1 45.5 68.3



#5
2-Fluorophenol
Concen: 87.802 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

Tgt Ion:112 Resp: 1550180
Ion Ratio Lower Upper
112 100
64 55.8 46.7 70.1
63 29.8 24.8 37.2

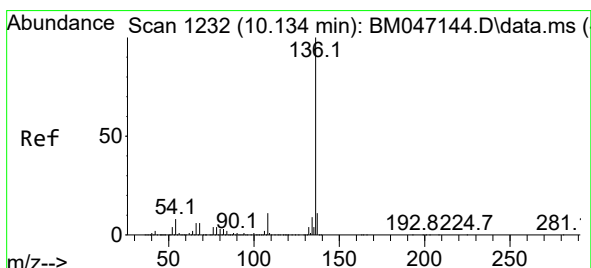
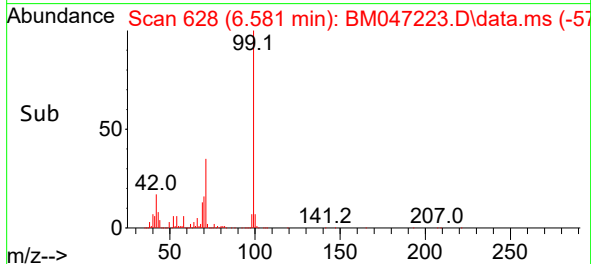
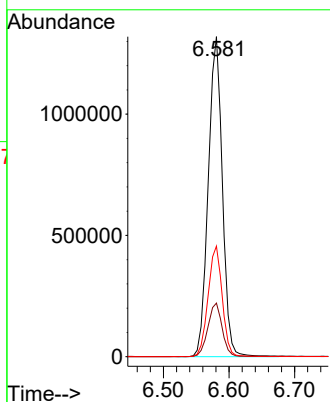
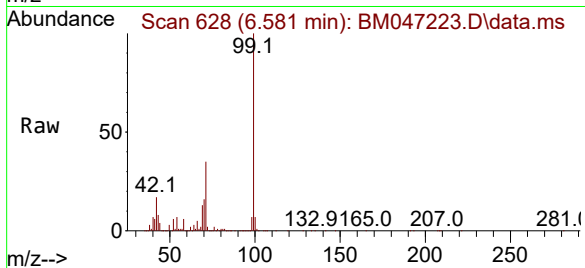




#7
Phenol-d6
Concen: 81.074 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

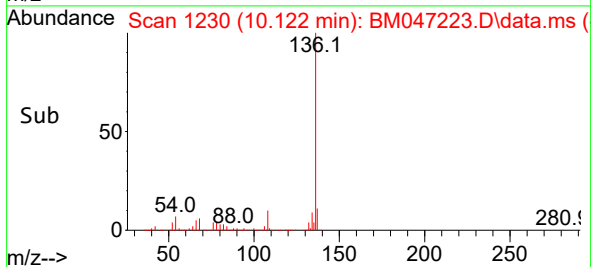
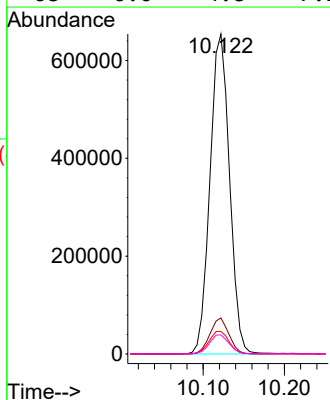
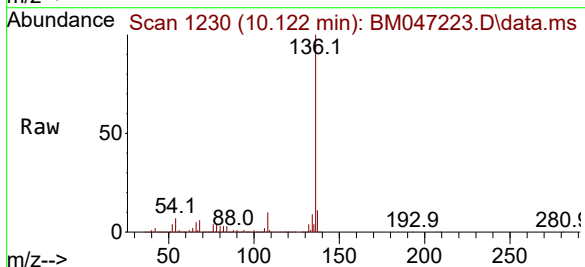
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724

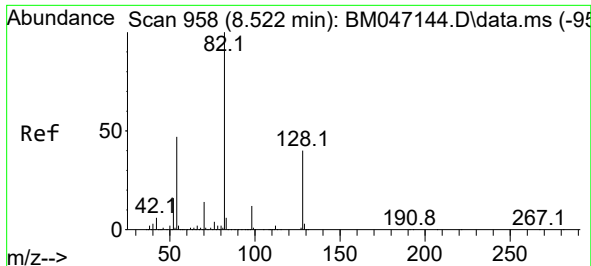
Tgt Ion: 99 Resp: 1972338
Ion Ratio Lower Upper
99 100
42 16.7 14.1 21.1
71 34.6 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

Tgt Ion: 136 Resp: 1093111
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.1 6.0 9.0
68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 59.112 ng

RT: 8.510 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

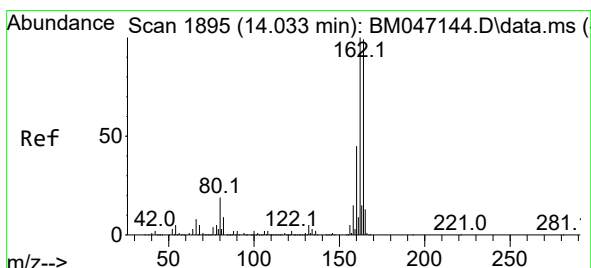
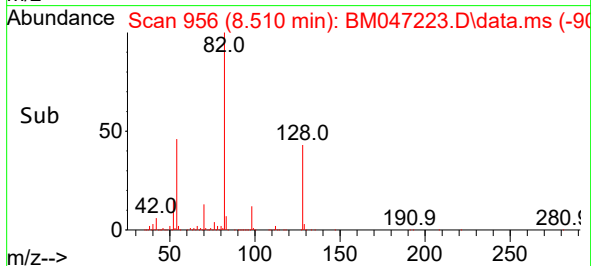
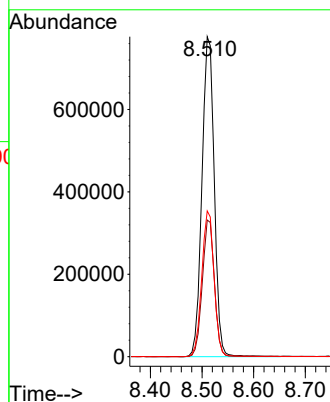
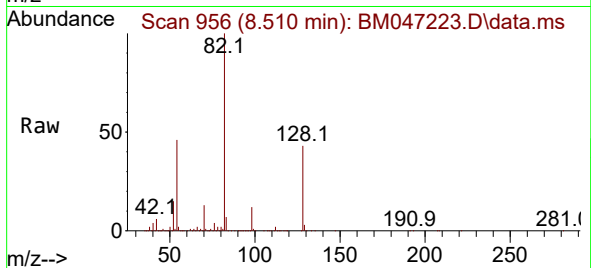
Tgt Ion: 82 Resp: 1283246

Ion Ratio Lower Upper

82 100

128 42.7 32.3 48.5

54 45.6 37.4 56.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.022 min Scan# 1893

Delta R.T. -0.012 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

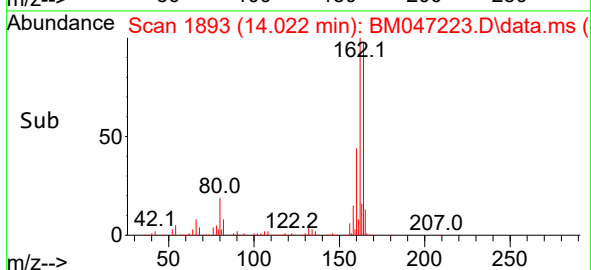
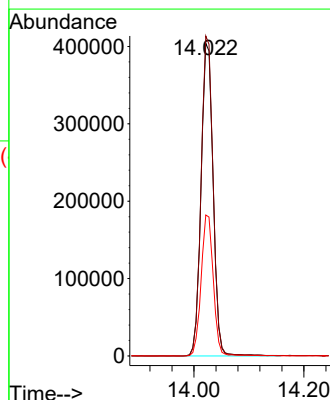
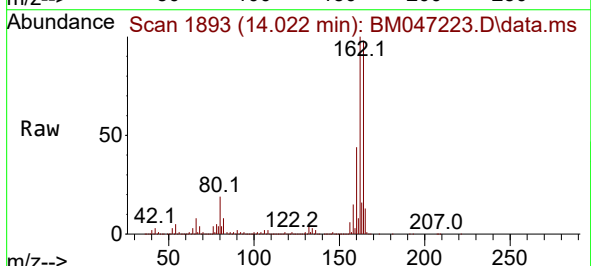
Tgt Ion:164 Resp: 616842

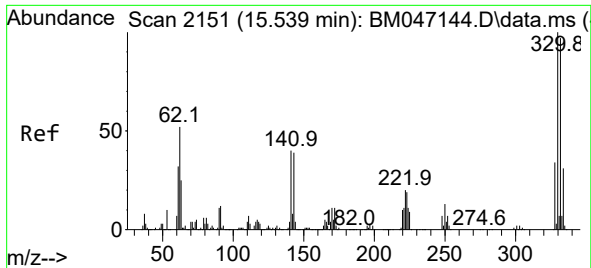
Ion Ratio Lower Upper

164 100

162 102.3 80.7 121.1

160 45.1 36.0 54.0

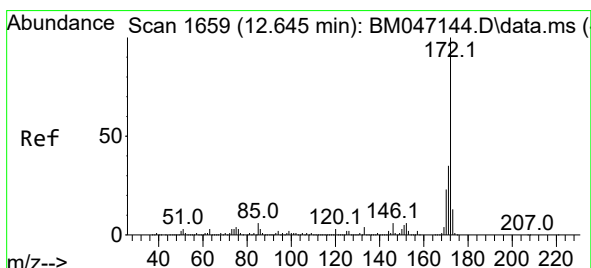
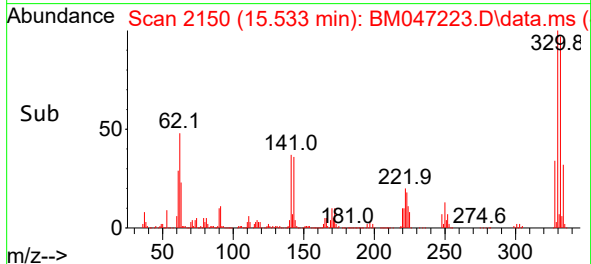
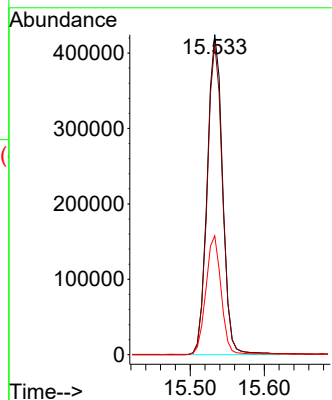
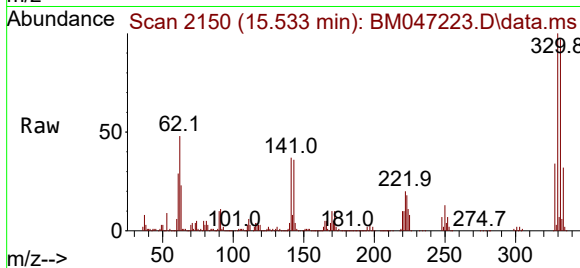




#42
2,4,6-Tribromophenol
Concen: 85.491 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

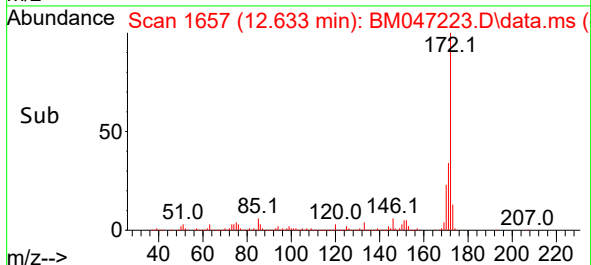
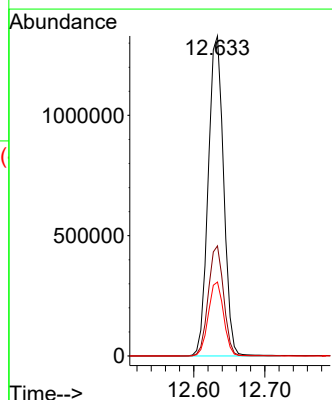
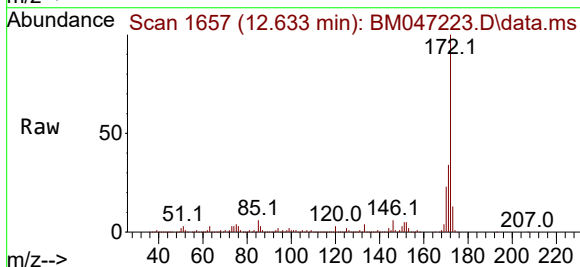
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724

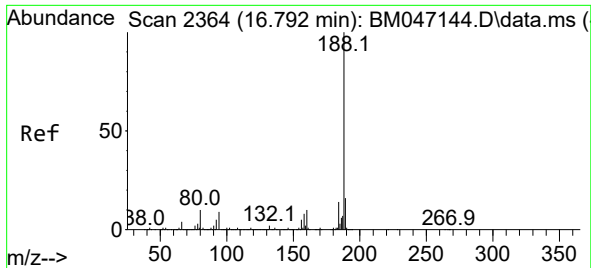
Tgt Ion:330 Resp: 611466
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 36.7 31.6 47.4



#45
2-Fluorobiphenyl
Concen: 50.131 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

Tgt Ion:172 Resp: 2004686
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.1 18.7 28.1

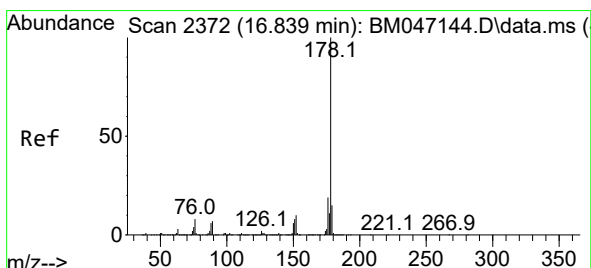
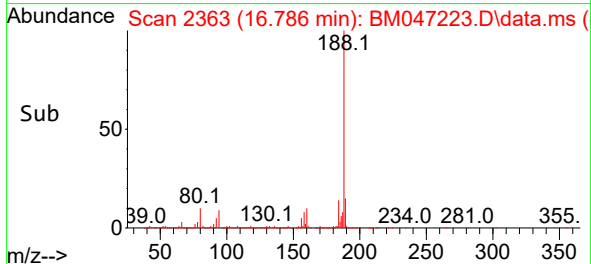
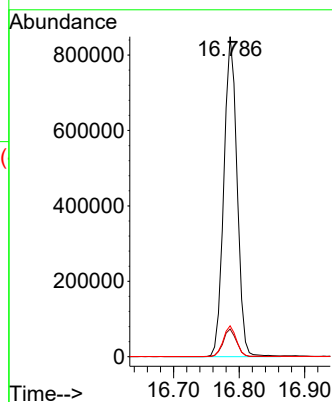
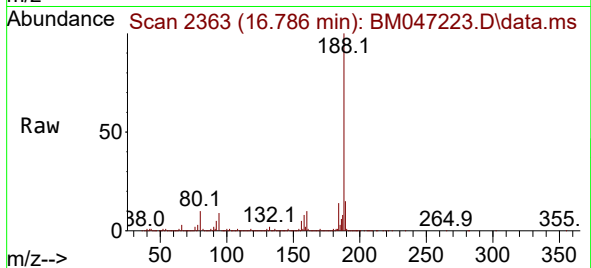




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

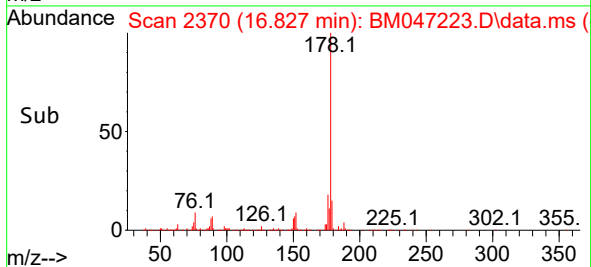
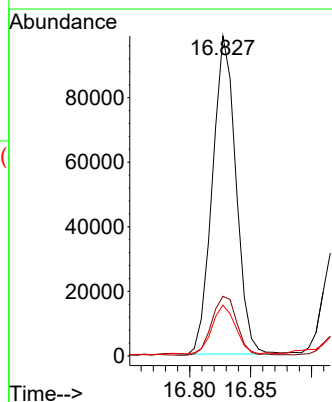
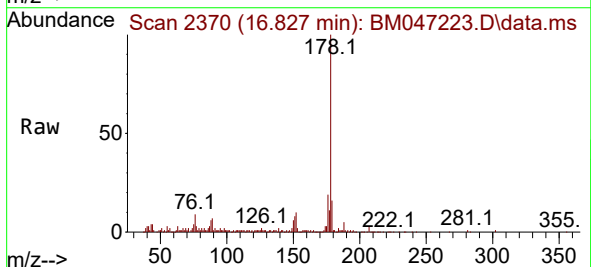
Instrument :
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ClientSampleId :
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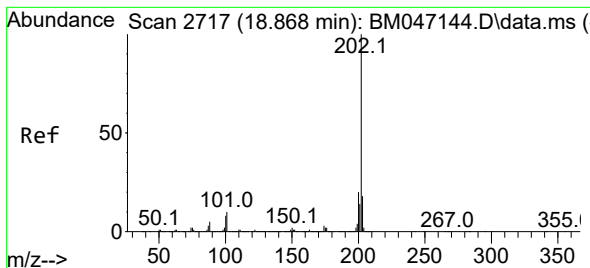
Tgt Ion:188 Resp: 1184560
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.7 8.0 12.0



#71
Phenanthrene
Concen: 2.226 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

Tgt Ion:178 Resp: 132361
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.9 12.4 18.6





#75

Fluoranthene

Concen: 4.727 ng

RT: 18.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

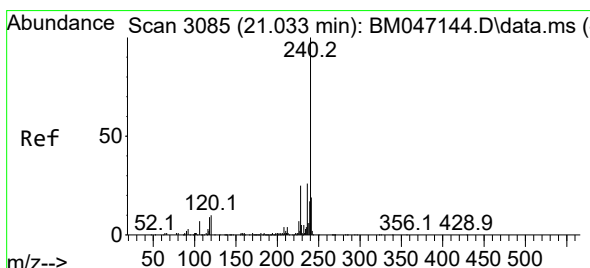
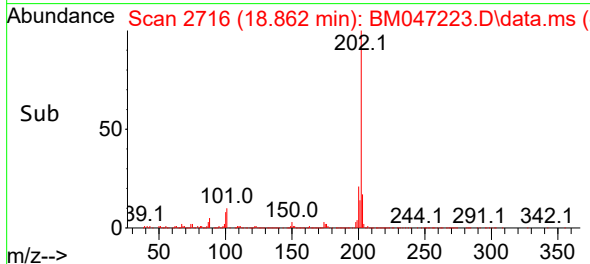
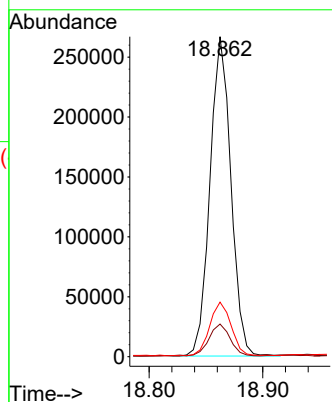
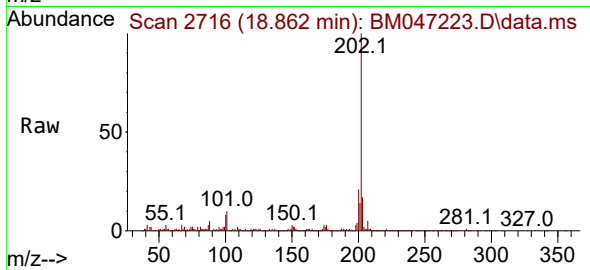
Tgt Ion:202 Resp: 341812

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

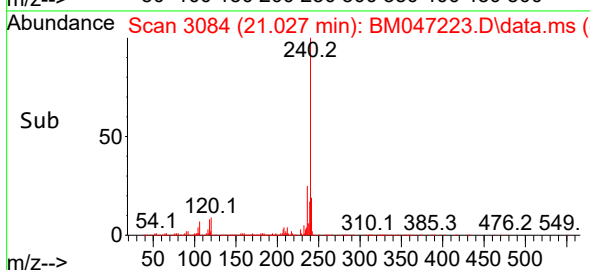
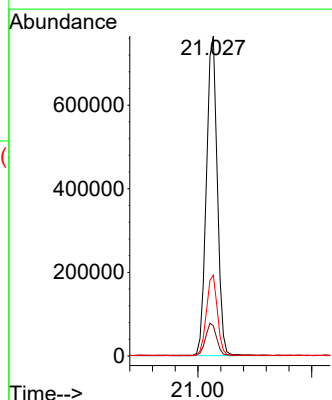
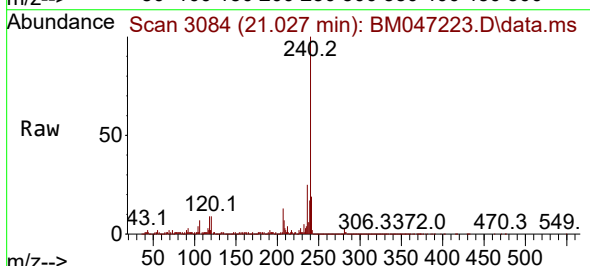
Tgt Ion:240 Resp: 1015579

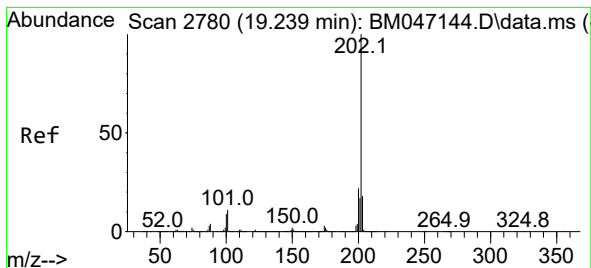
Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 25.2 20.6 30.8





#78

Pyrene

Concen: 4.534 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

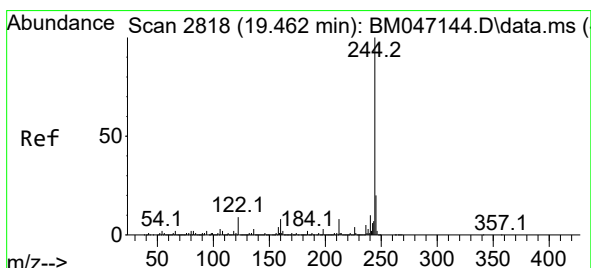
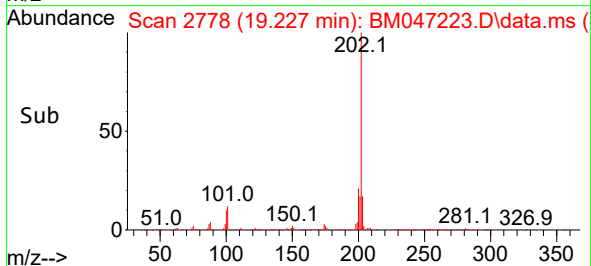
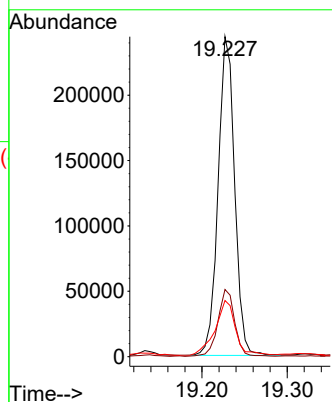
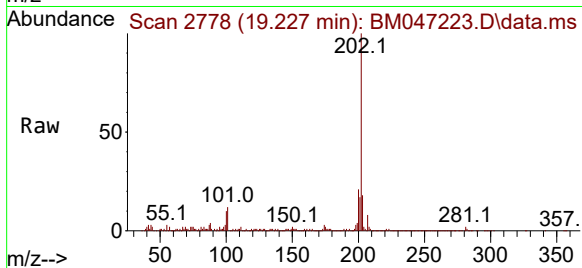
Tgt Ion:202 Resp: 328784

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.5 14.2 21.2



#79

Terphenyl-d14

Concen: 49.785 ng

RT: 19.456 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

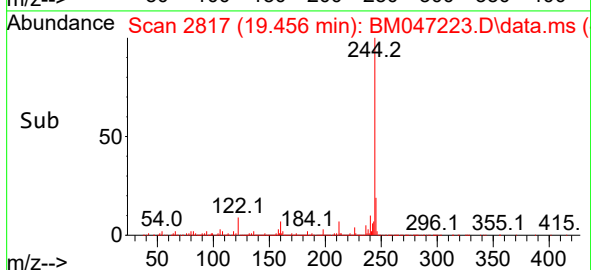
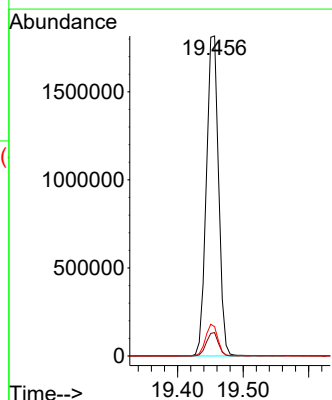
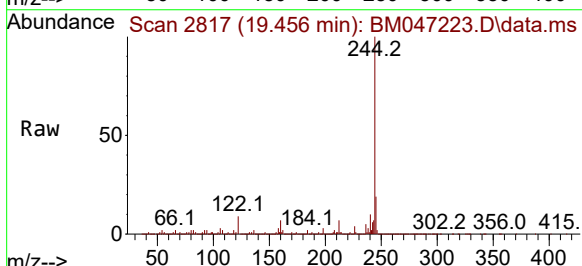
Tgt Ion:244 Resp: 2359599

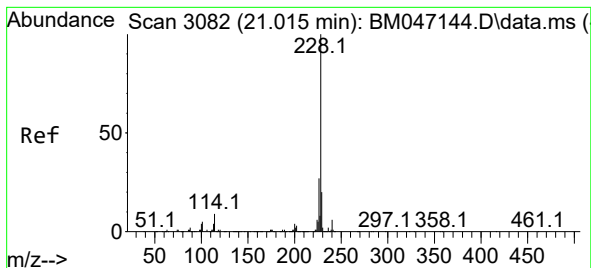
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 9.2 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.567 ng

RT: 21.009 min Scan# 3081

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

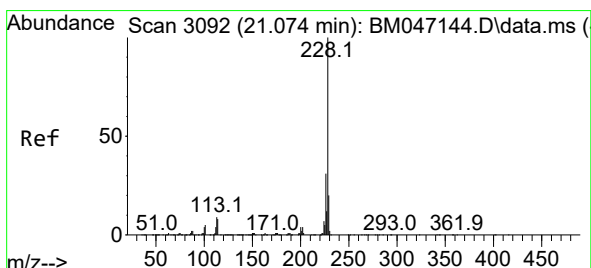
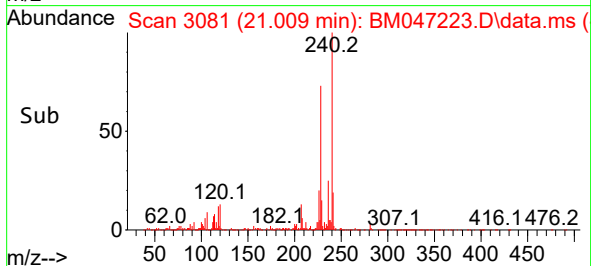
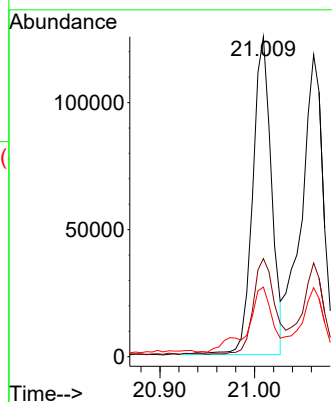
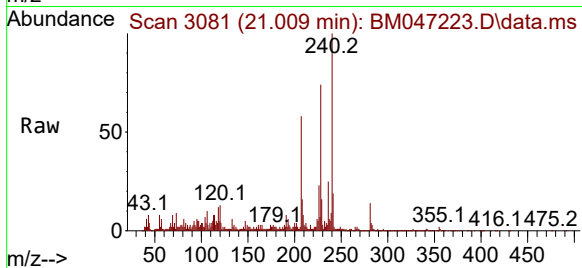
Tgt Ion:228 Resp: 173053

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.6

229 21.8 15.8 23.8



#83

Chrysene

Concen: 2.839 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

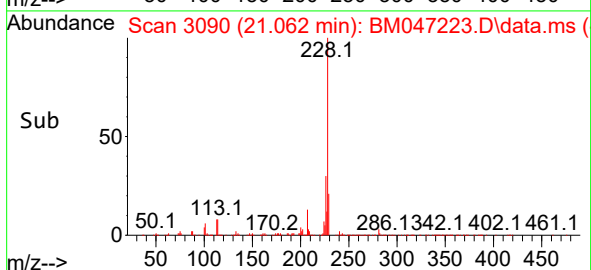
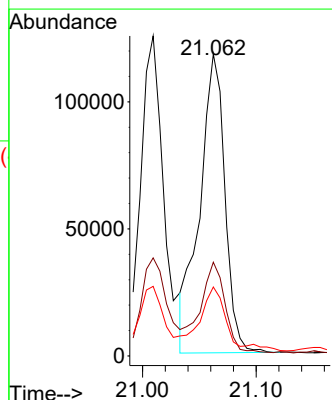
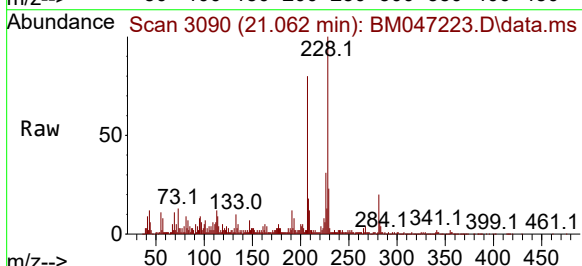
Tgt Ion:228 Resp: 181620

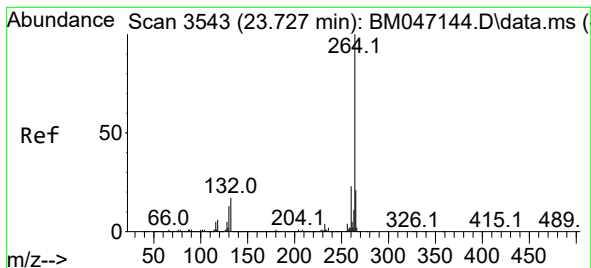
Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

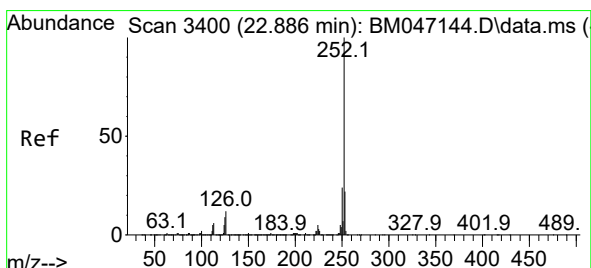
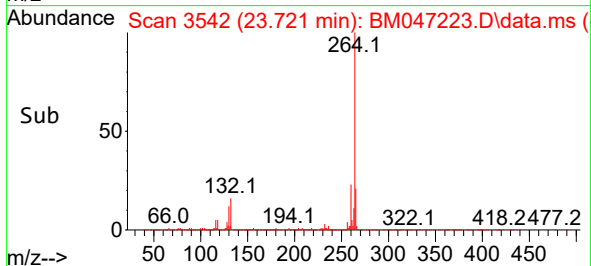
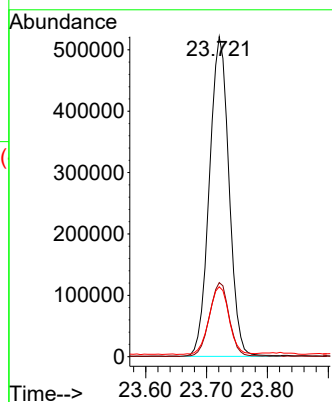
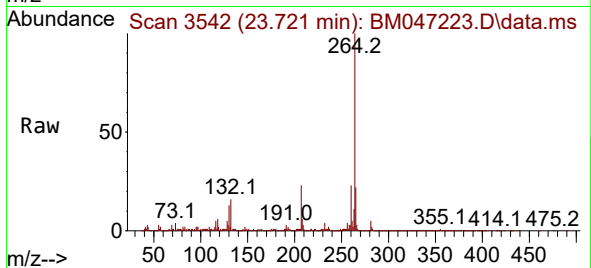
Tgt Ion:264 Resp: 1160901

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.8 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.800 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

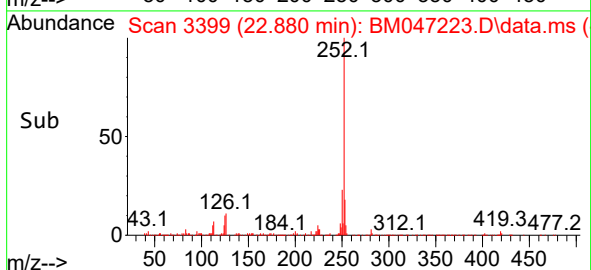
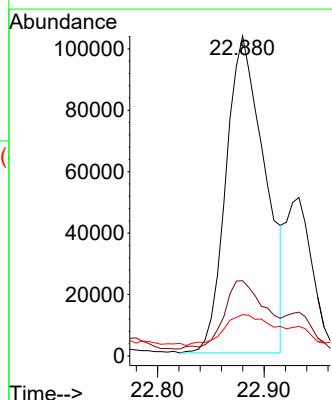
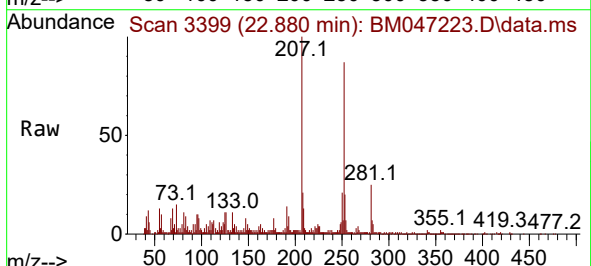
Tgt Ion:252 Resp: 261974

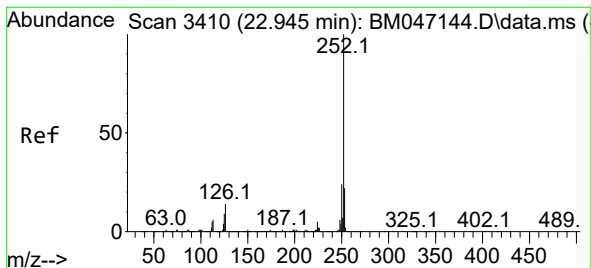
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 12.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 4.023 ng

RT: 22.880 min Scan# 31

Delta R.T. -0.065 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

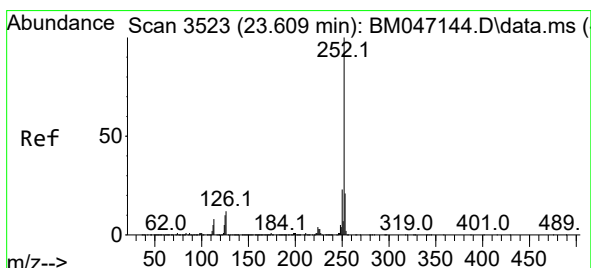
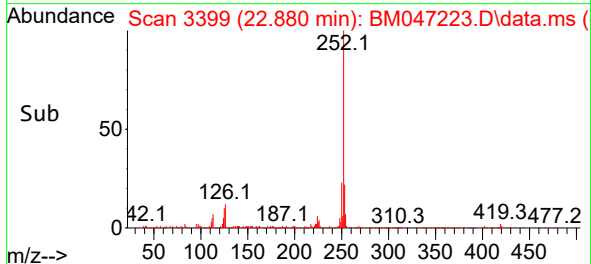
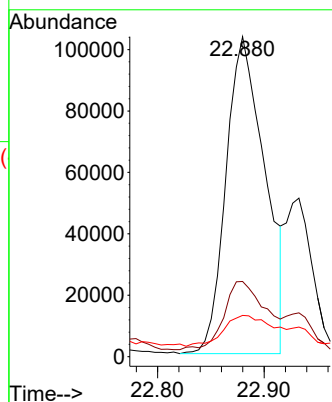
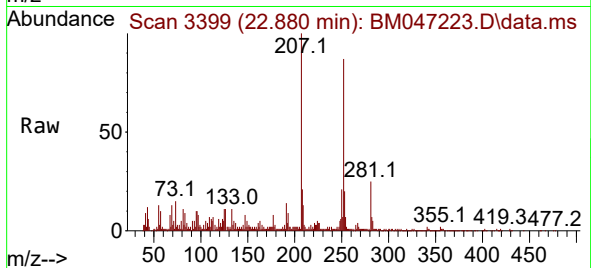
Tgt Ion:252 Resp: 261974

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 12.9 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.924 ng

RT: 23.591 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

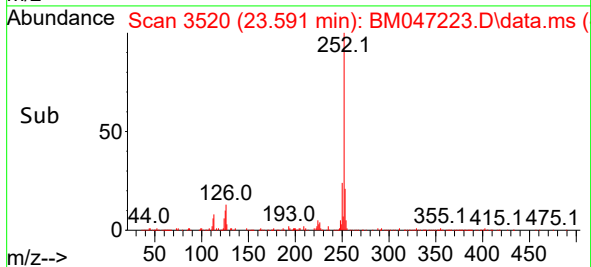
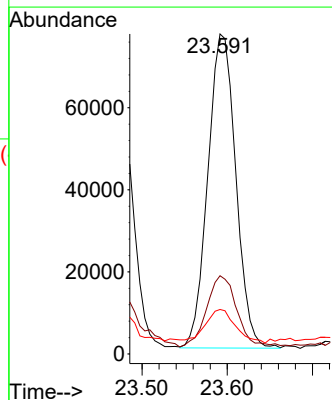
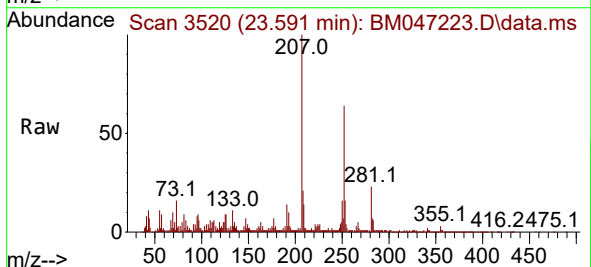
Tgt Ion:252 Resp: 174638

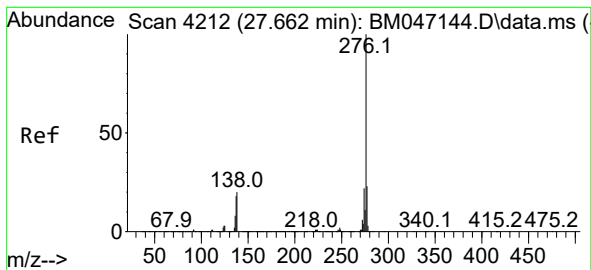
Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 13.9 8.2 12.2#





#92

Benzo(g,h,i)perylene

Concen: 2.201 ng

RT: 27.644 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047223.D

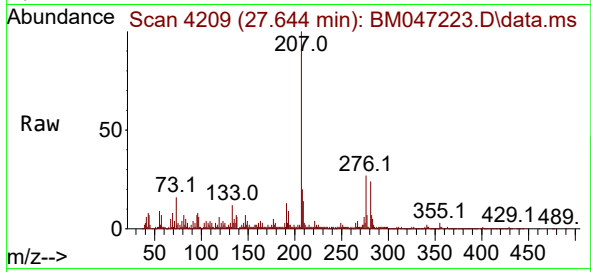
Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724



Tgt Ion:276 Resp: 138788

Ion Ratio Lower Upper

276 100

277 26.6 18.8 28.2

138 23.5 16.2 24.4

