

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047424.D
 Acq On : 03 Sep 2024 14:05
 Operator : RC/JU
 Sample : P3788-01DL2 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 03 14:43:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

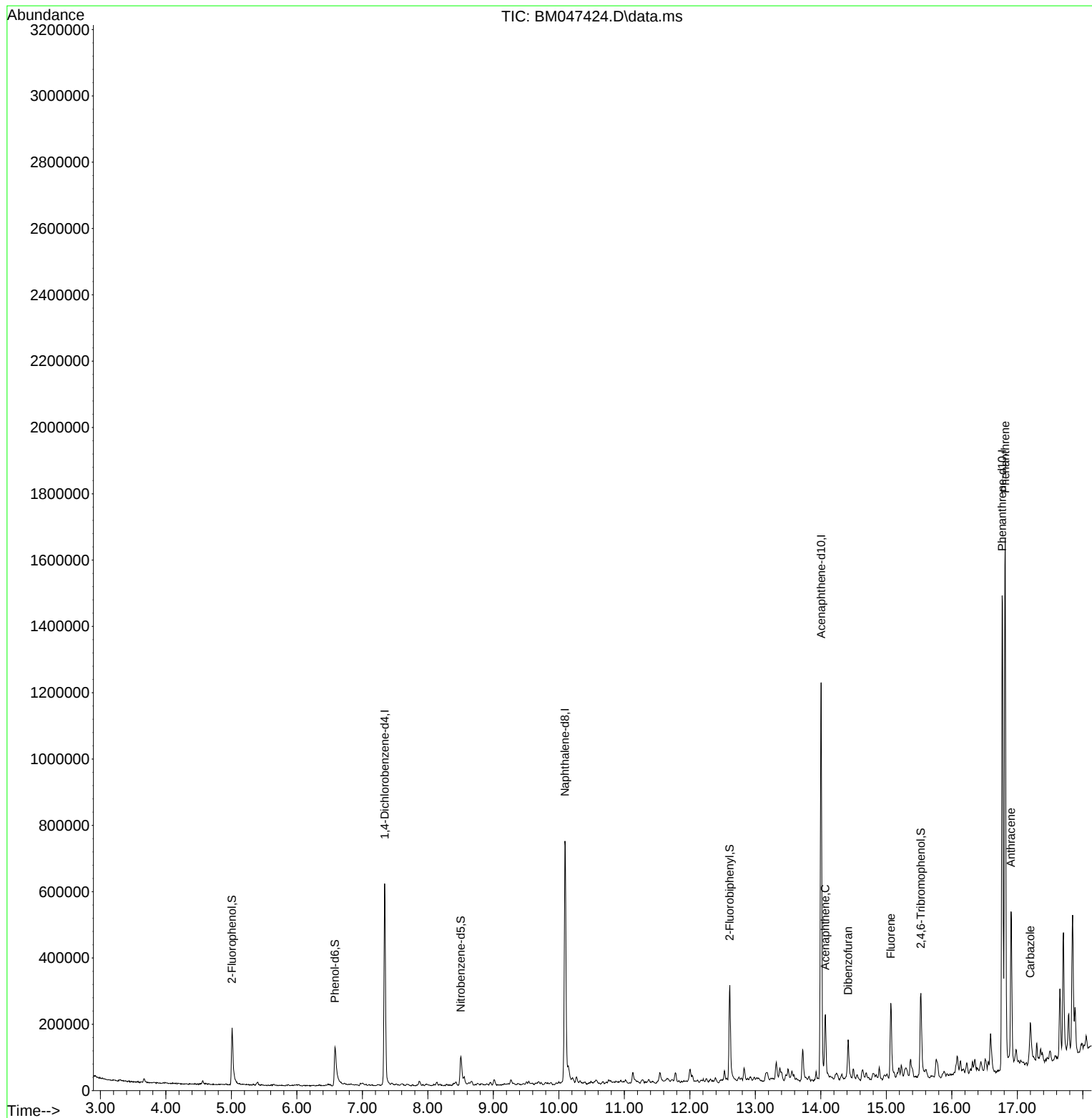
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.340	152	182453	20.000	ng	-0.01
21) Naphthalene-d8	10.093	136	675436	20.000	ng	-0.01
39) Acenaphthene-d10	14.004	164	460896	20.000	ng	0.00
64) Phenanthrene-d10	16.769	188	945088	20.000	ng	0.00
76) Chrysene-d12	21.015	240	713107	20.000	ng	0.00
86) Perylene-d12	23.715	264	822417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	97417	10.244	ng	0.00
7) Phenol-d6	6.581	99	115272	8.898	ng	0.01
23) Nitrobenzene-d5	8.504	82	72229	5.933	ng	0.00
42) 2,4,6-Tribromophenol	15.528	330	50274	9.041	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	195270	6.510	ng	0.00
79) Terphenyl-d14	19.433	244	275383	6.874	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	374	Below Cal	#	49
52) Acenaphthene	14.069	154	71875	3.089	ng	98
55) Dibenzofuran	14.416	168	82153	2.192	ng	# 96
58) Fluorene	15.069	166	117460	3.872	ng	96
71) Phenanthrene	16.816	178	1044111	22.749	ng	100
72) Anthracene	16.904	178	321177	7.178	ng	99
73) Carbazole	17.198	167	92027	2.143	ng	99
75) Fluoranthene	18.851	202	1567318	29.082	ng	100
78) Pyrene	19.216	202	1348417	24.654	ng	99
81) Benzo(a)anthracene	20.998	228	583942	12.557	ng	97
83) Chrysene	21.057	228	526769	12.042	ng	97
87) Indeno(1,2,3-cd)pyrene	26.721	276	377328	7.329	ng	95
88) Benzo(b)fluoranthene	22.874	252	691986	14.422	ng	97
89) Benzo(k)fluoranthene	22.874	252	691986	15.214	ng	97
90) Benzo(a)pyrene	23.592	252	527186	12.705	ng	97
91) Dibenzo(a,h)anthracene	26.739	278	95911	2.300	ng	# 84
92) Benzo(g,h,i)perylene	27.656	276	375995	8.672	ng	99

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

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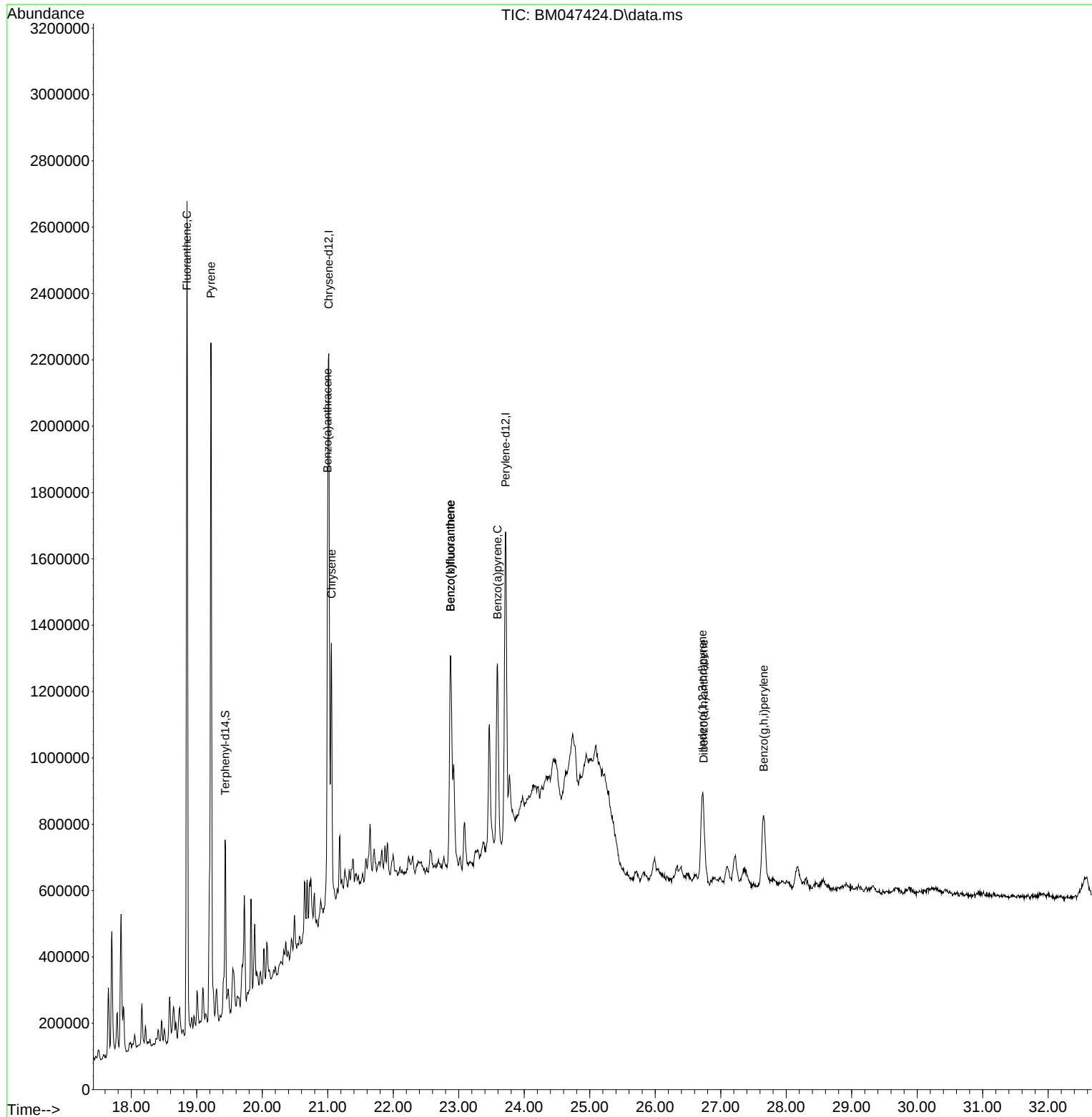
Quant Time: Sep 03 14:43:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
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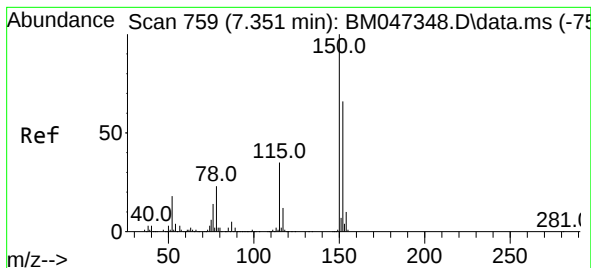


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.340 min Scan# 7

Delta R.T. -0.011 min

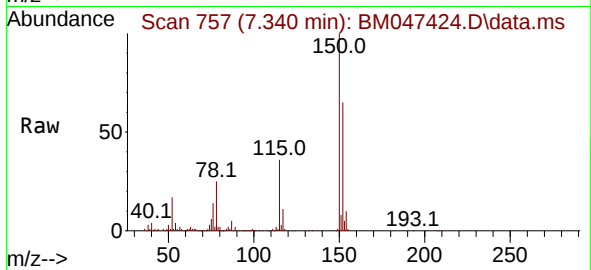
Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :



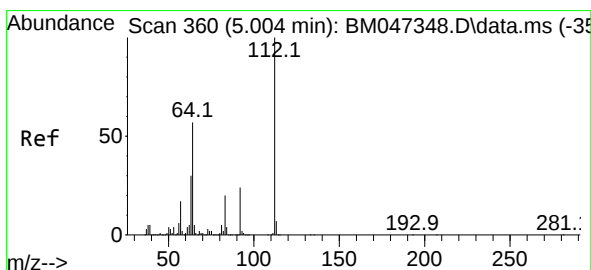
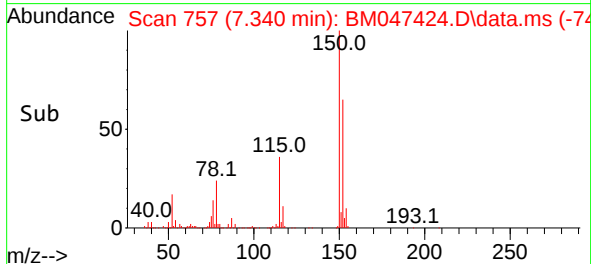
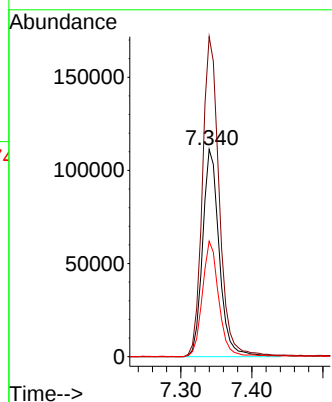
Tgt Ion:152 Resp: 182453

Ion Ratio Lower Upper

152 100

150 154.3 121.3 181.9

115 55.7 42.6 64.0



#5

2-Fluorophenol

Concen: 10.244 ng

RT: 5.011 min Scan# 361

Delta R.T. 0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

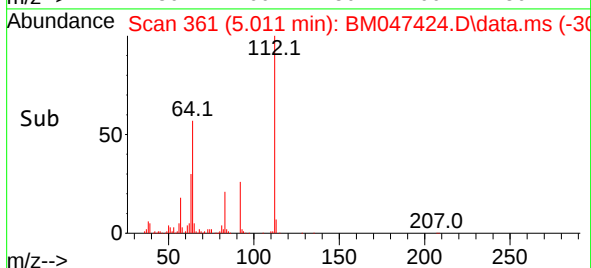
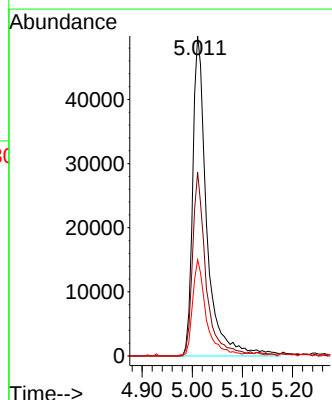
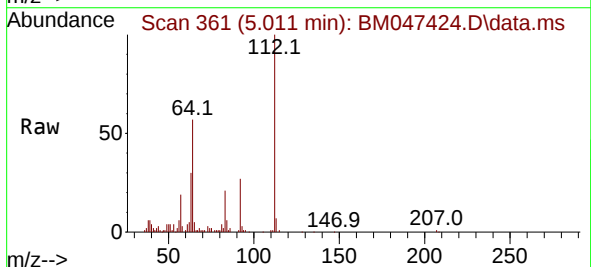
Tgt Ion:112 Resp: 97417

Ion Ratio Lower Upper

112 100

64 57.4 45.7 68.5

63 30.1 23.8 35.8

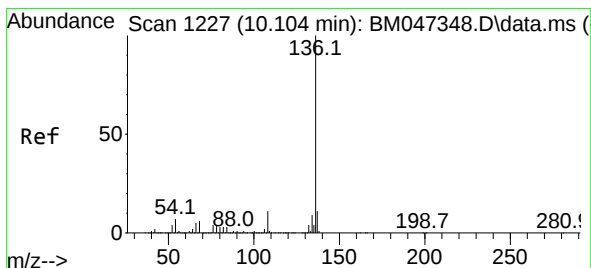
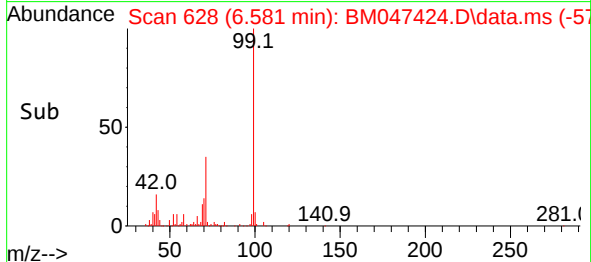
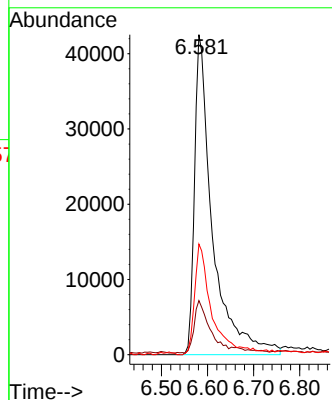
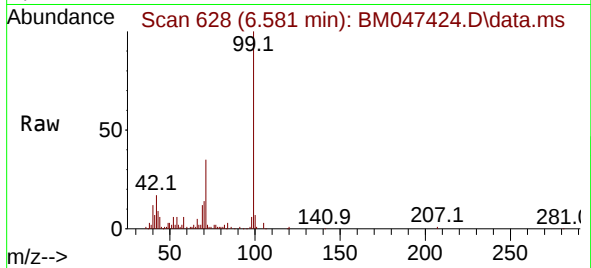




#7
Phenol-d6
Concen: 8.898 ng
RT: 6.581 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

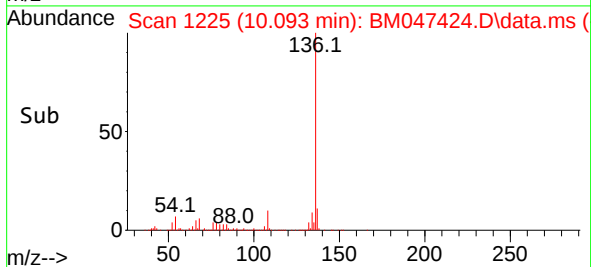
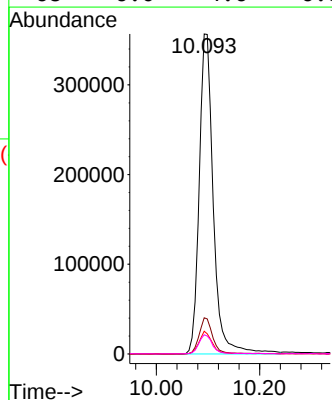
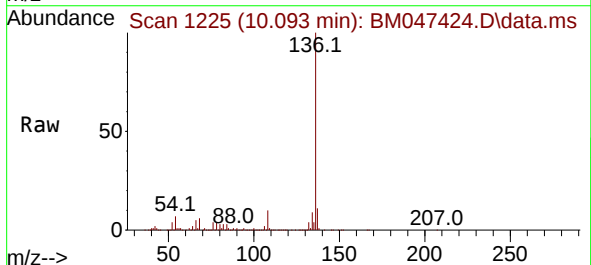
Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 115272
Ion Ratio Lower Upper
99 100
42 16.9 13.0 19.4
71 34.5 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.093 min Scan# 1225
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion: 136 Resp: 675436
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.1 5.2 7.8
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 5.933 ng

RT: 8.504 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

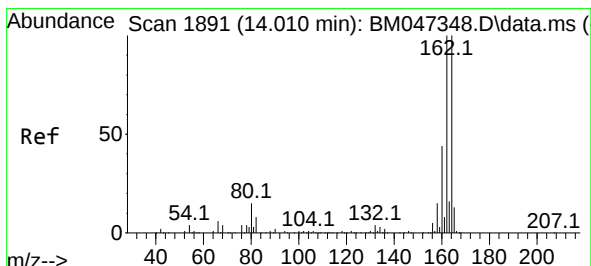
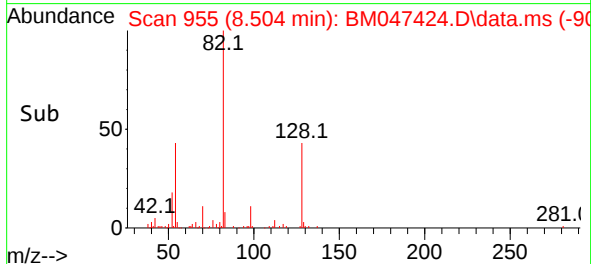
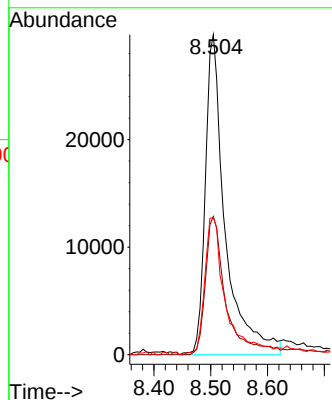
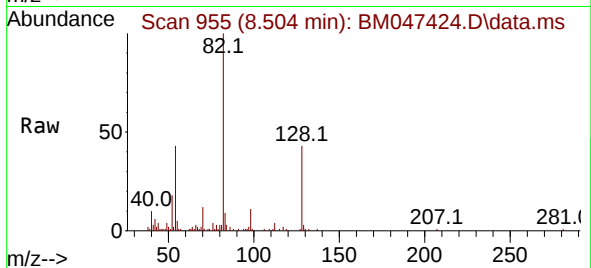
Tgt Ion: 82 Resp: 72229

Ion Ratio Lower Upper

82 100

128 43.2 34.6 51.8

54 42.9 35.5 53.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.004 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

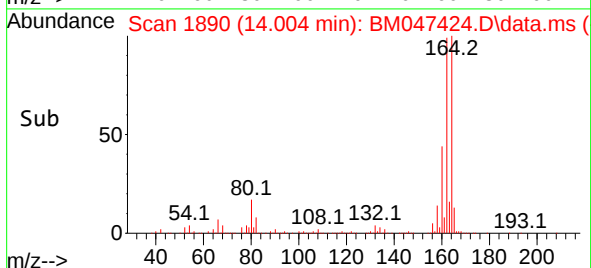
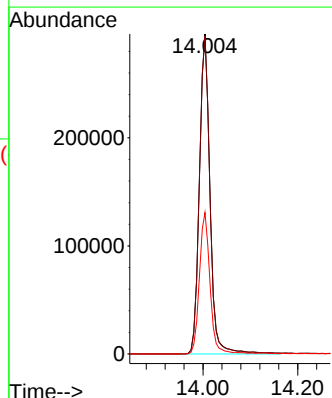
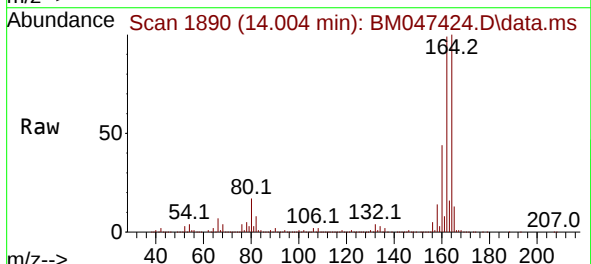
Tgt Ion:164 Resp: 460896

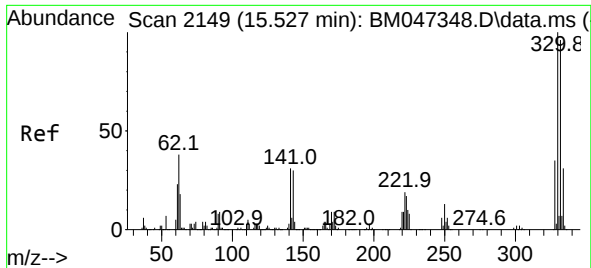
Ion Ratio Lower Upper

164 100

162 99.3 79.7 119.5

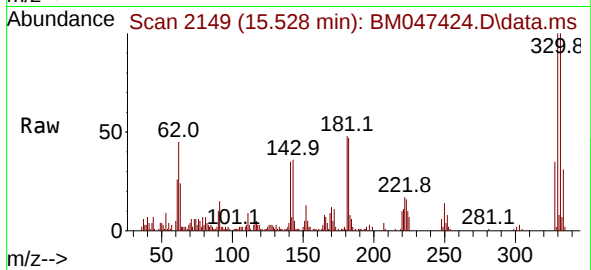
160 44.2 34.9 52.3



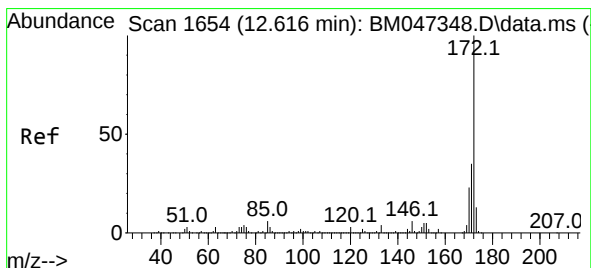
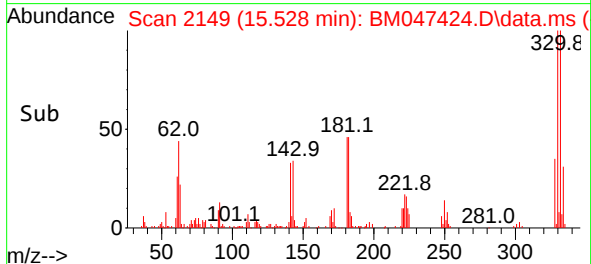
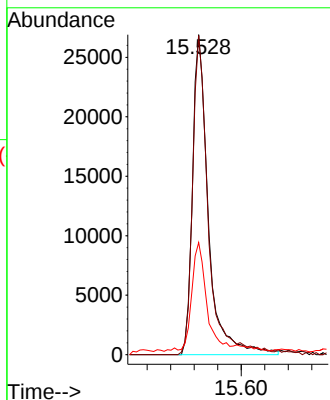


#42
2,4,6-Tribromophenol
Concen: 9.041 ng
RT: 15.528 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :
BNA_M
ClientSampleId :

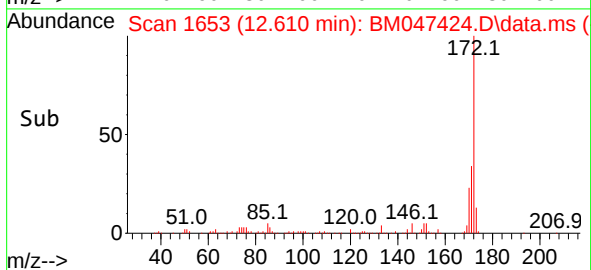
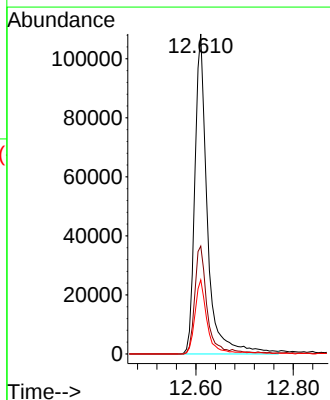
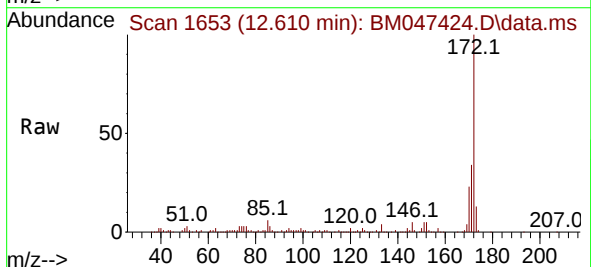


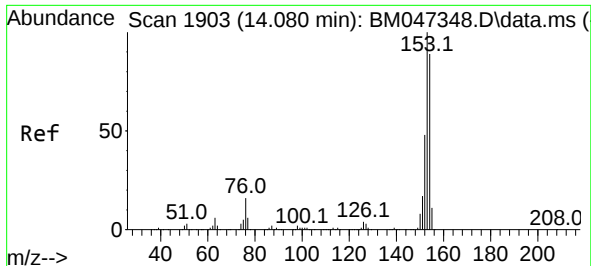
Tgt Ion:330 Resp: 50274
Ion Ratio Lower Upper
330 100
332 98.6 77.2 115.8
141 32.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 6.510 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:172 Resp: 195270
Ion Ratio Lower Upper
172 100
171 33.7 27.8 41.6
170 23.2 18.5 27.7

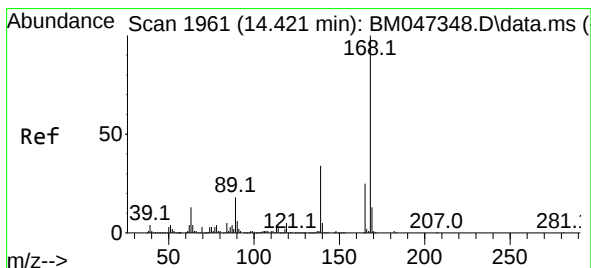
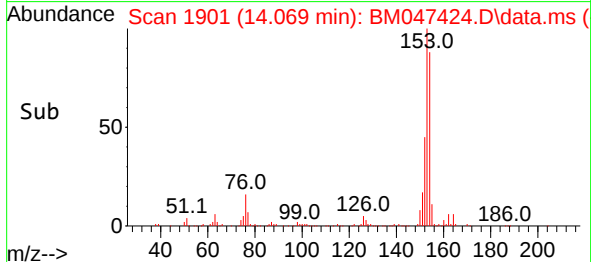
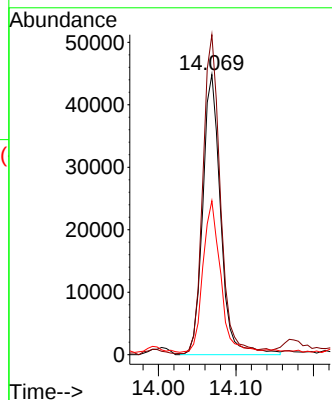
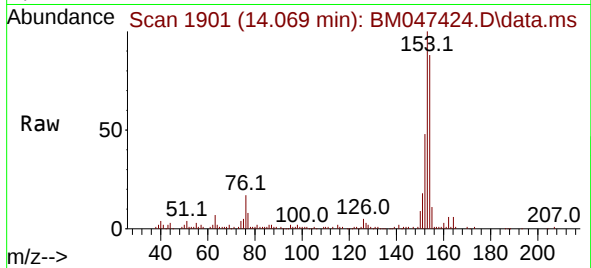




#52
Acenaphthene
Concen: 3.089 ng
RT: 14.069 min Scan# 1903
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

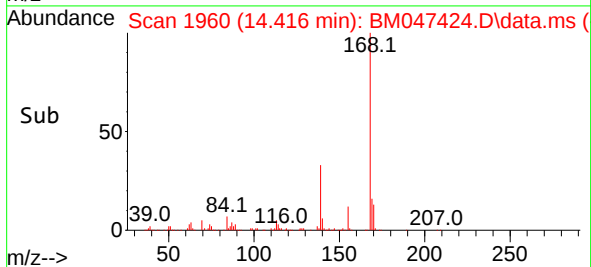
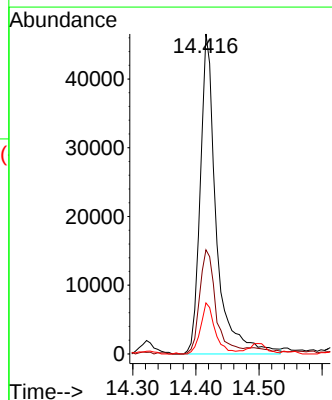
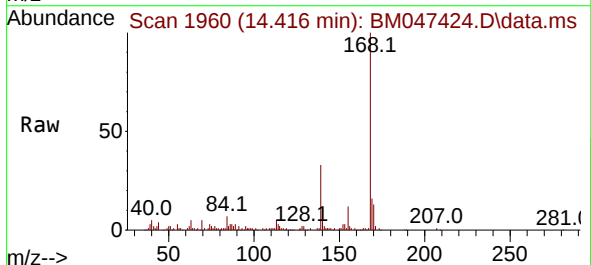
Instrument :
BNA_M
ClientSampleId :

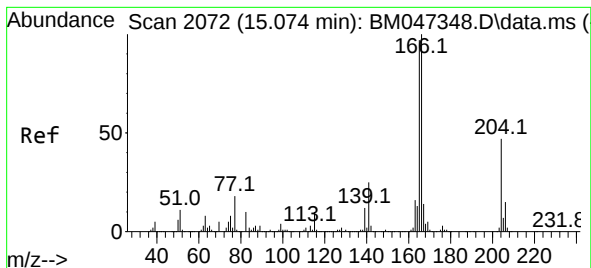
Tgt Ion:154 Resp: 71875
Ion Ratio Lower Upper
154 100
153 114.2 89.5 134.3
152 55.0 43.0 64.4



#55
Dibenzofuran
Concen: 2.192 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:168 Resp: 82153
Ion Ratio Lower Upper
168 100
139 32.5 27.5 41.3
169 16.0 10.5 15.7#





#58

Fluorene

Concen: 3.872 ng

RT: 15.069 min Scan# 2072

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

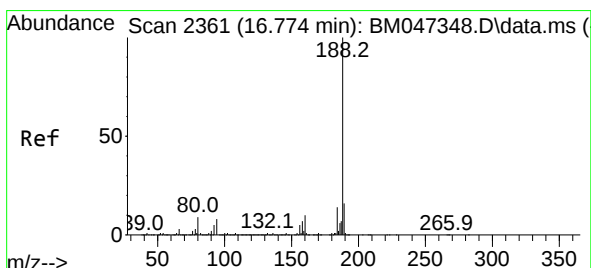
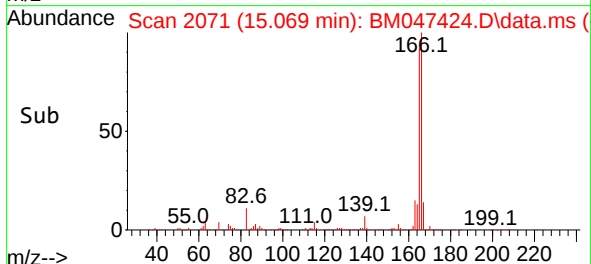
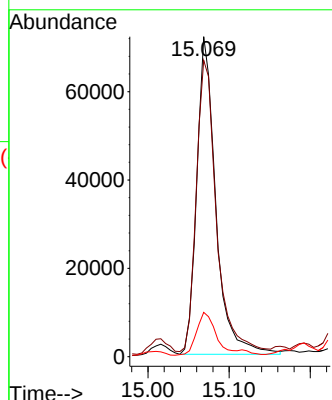
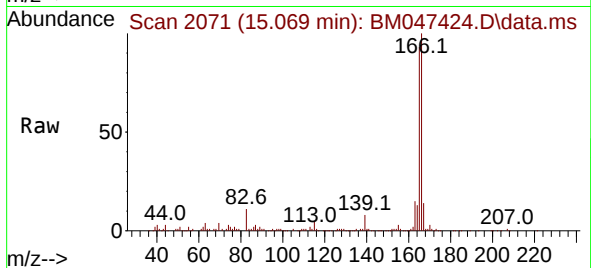
Tgt Ion:166 Resp: 117460

Ion Ratio Lower Upper

166 100

165 92.6 77.8 116.6

167 13.9 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.769 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

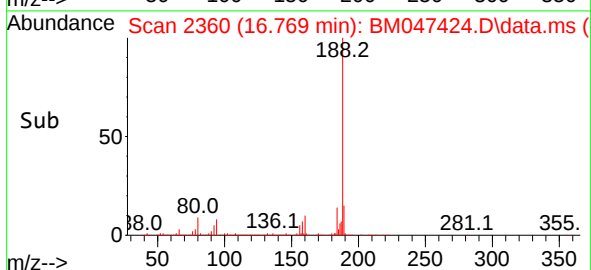
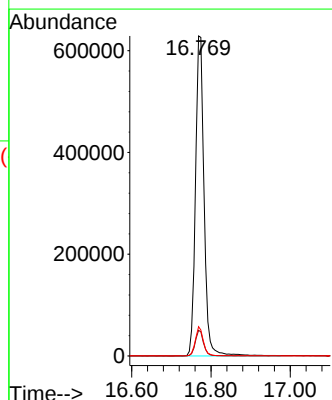
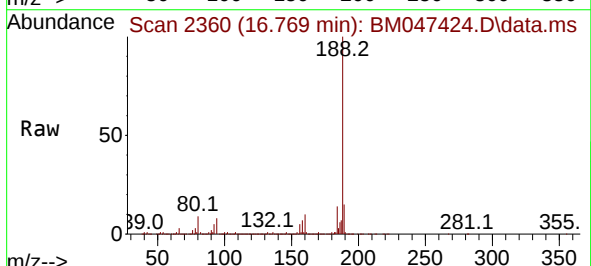
Tgt Ion:188 Resp: 945088

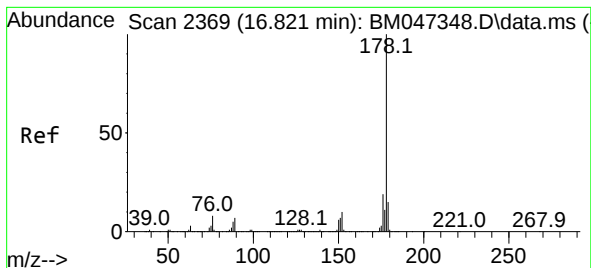
Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 9.2 7.4 11.2





#71

Phenanthrene

Concen: 22.749 ng

RT: 16.816 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

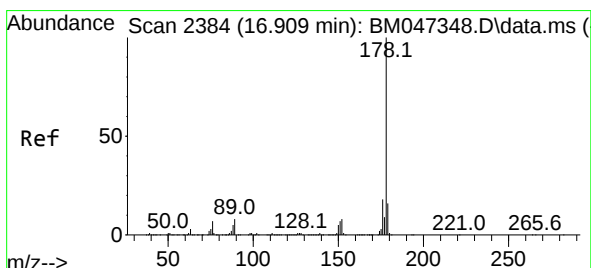
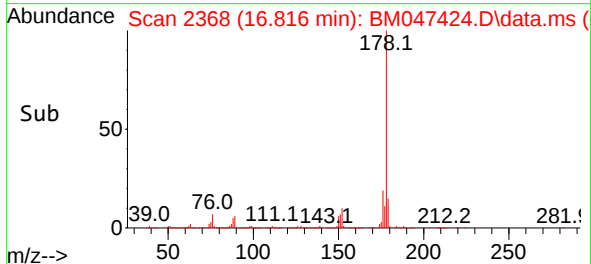
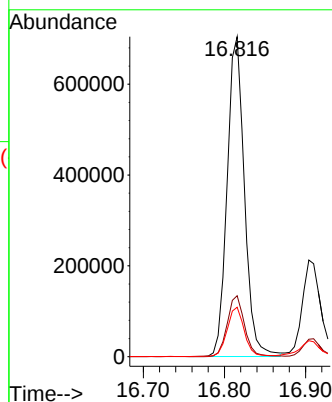
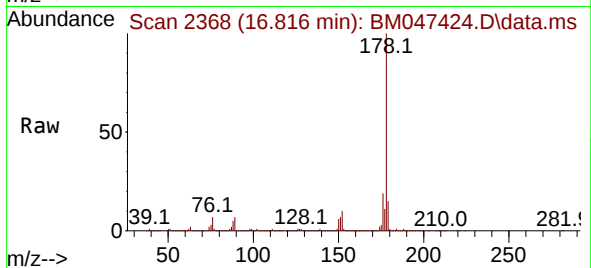
Tgt Ion:178 Resp: 1044111

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 7.178 ng

RT: 16.904 min Scan# 2383

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

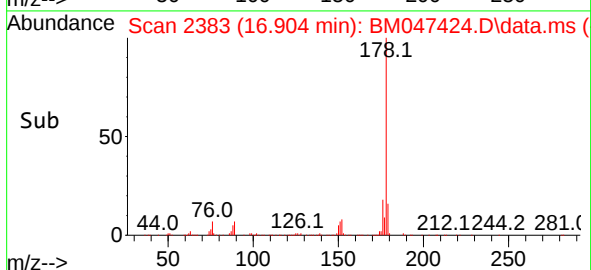
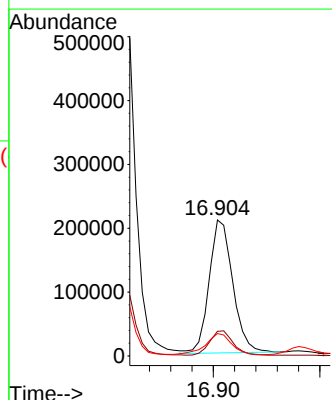
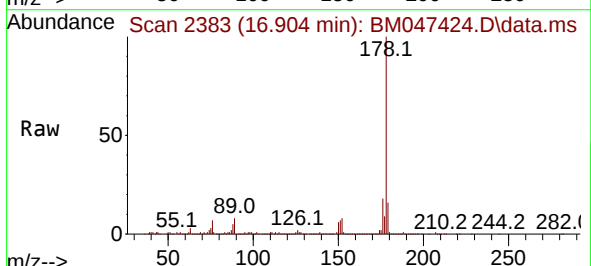
Tgt Ion:178 Resp: 321177

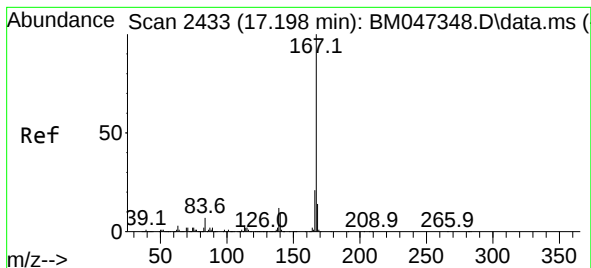
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 16.5 12.6 18.8





#73

Carbazole

Concen: 2.143 ng

RT: 17.198 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

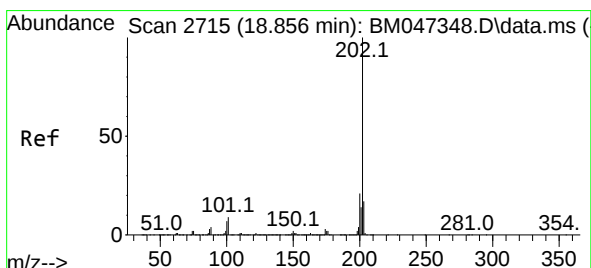
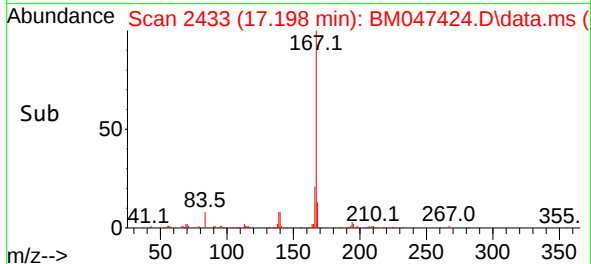
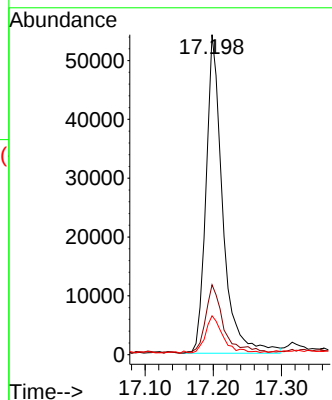
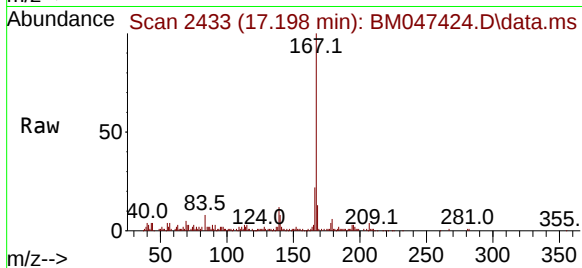
Tgt Ion:167 Resp: 92027

Ion Ratio Lower Upper

167 100

166 21.8 16.9 25.3

139 12.1 9.5 14.3



#75

Fluoranthene

Concen: 29.082 ng

RT: 18.851 min Scan# 2714

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

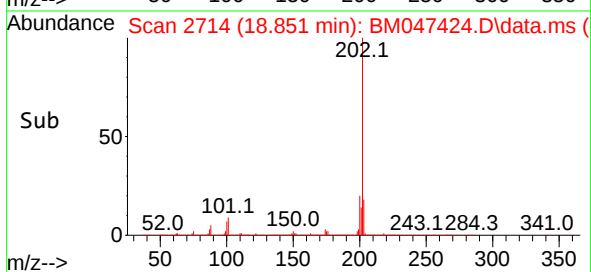
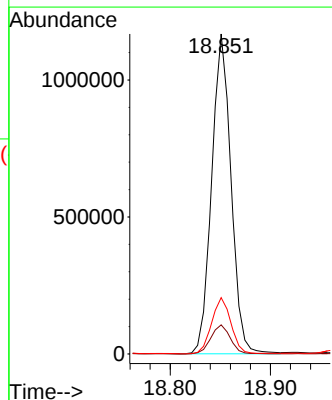
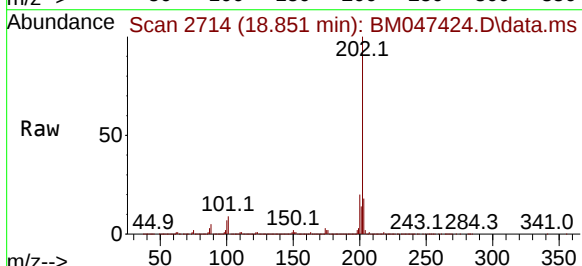
Tgt Ion:202 Resp: 1567318

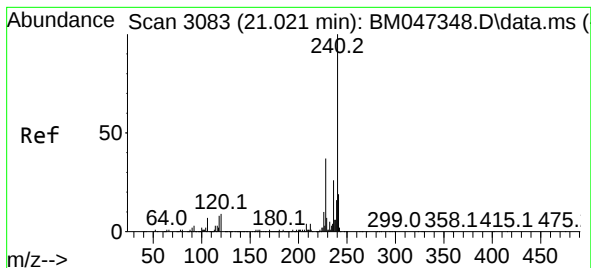
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.0

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

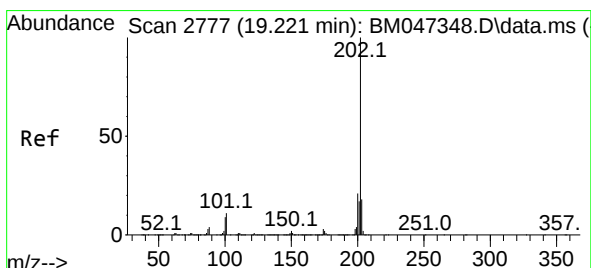
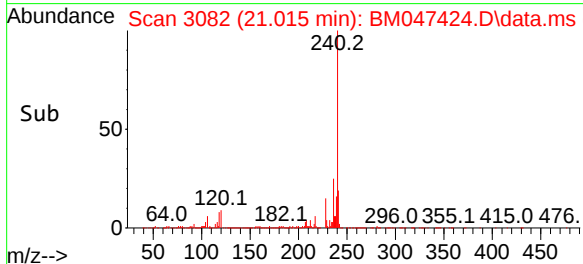
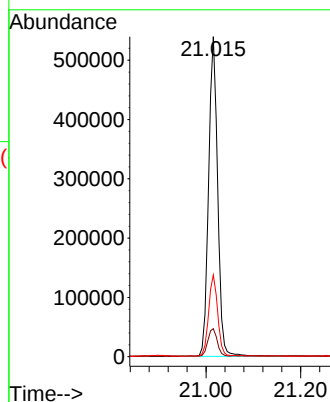
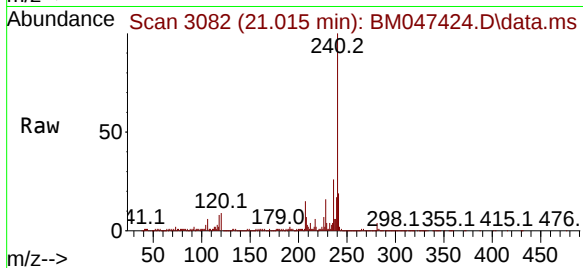
Tgt Ion:240 Resp: 713107

Ion Ratio Lower Upper

240 100

120 8.8 7.4 11.0

236 25.6 20.8 31.2



#78

Pyrene

Concen: 24.654 ng

RT: 19.216 min Scan# 2776

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

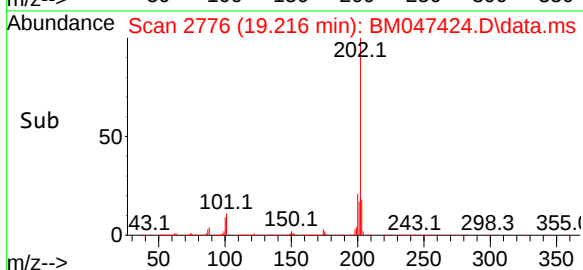
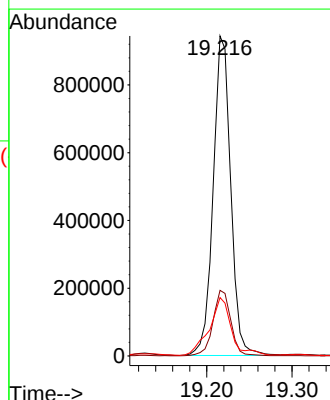
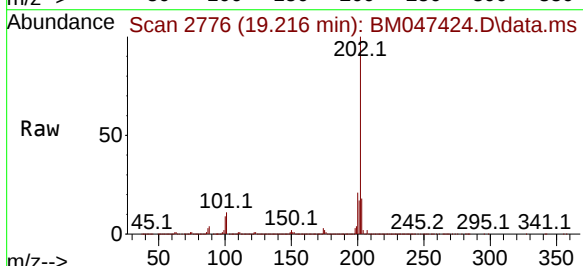
Tgt Ion:202 Resp: 1348417

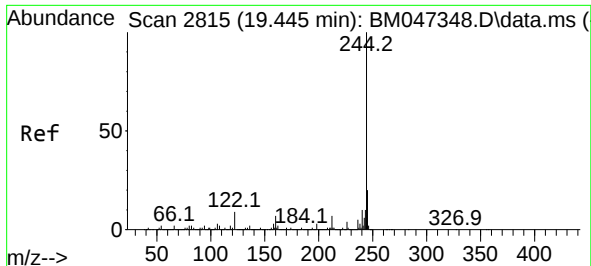
Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

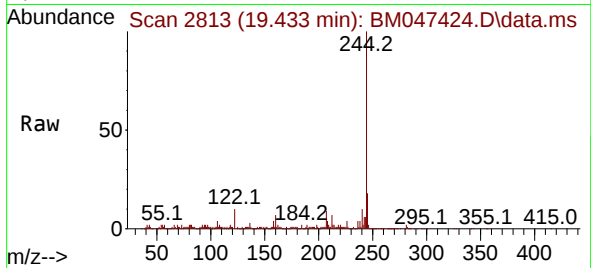
203 18.2 14.2 21.4



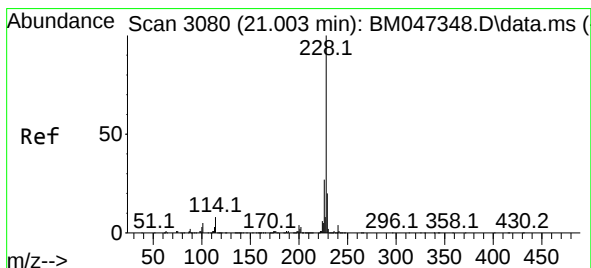
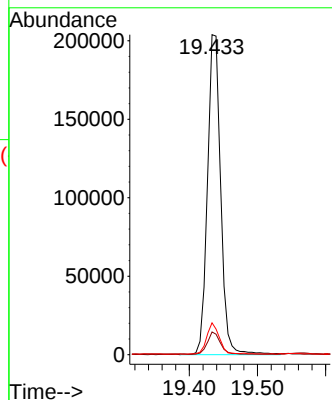
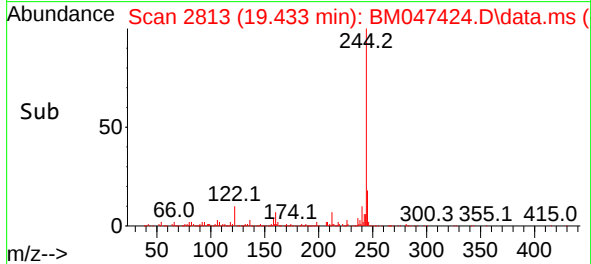


#79
Terphenyl-d14
Concen: 6.874 ng
RT: 19.433 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :
BNA_M
ClientSampleId :

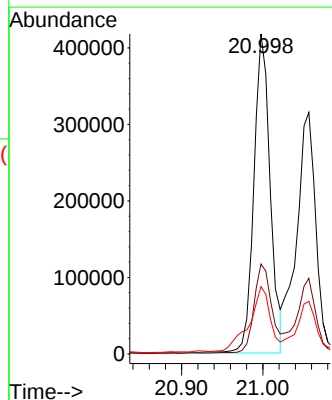
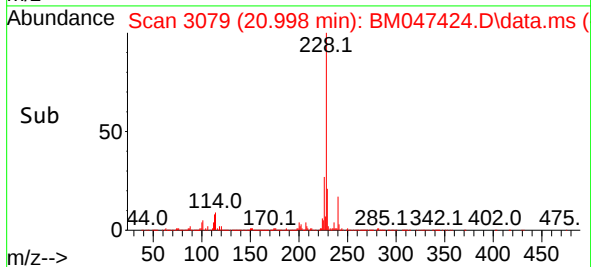
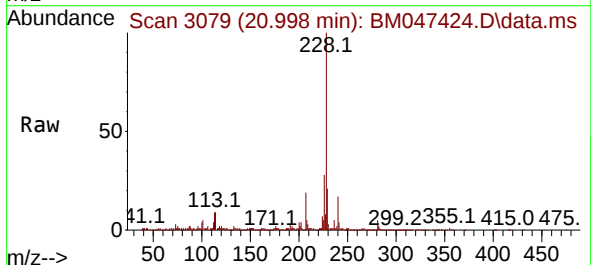


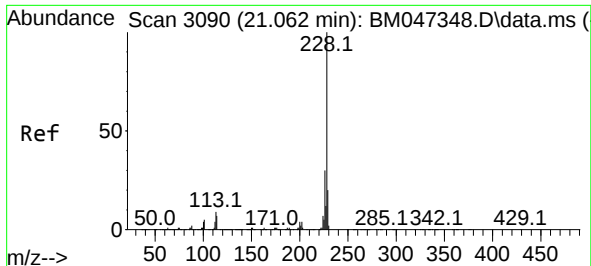
Tgt Ion:244 Resp: 275383
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.9 7.0 10.4



#81
Benzo(a)anthracene
Concen: 12.557 ng
RT: 20.998 min Scan# 3079
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:228 Resp: 583942
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.0
229 21.0 15.8 23.8





#83

Chrysene

Concen: 12.042 ng

RT: 21.057 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

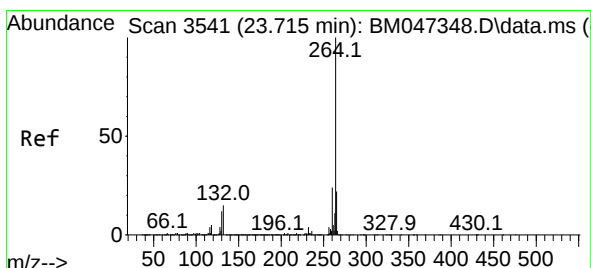
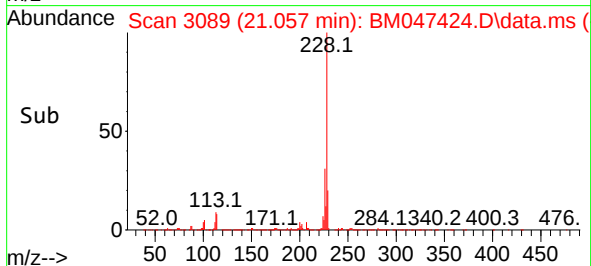
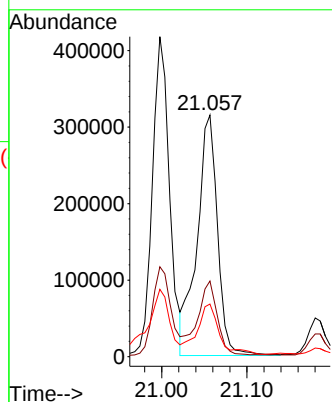
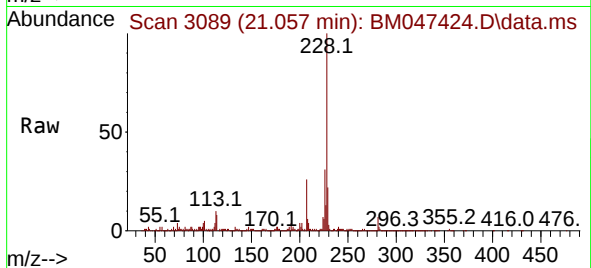
Tgt Ion:228 Resp: 526769

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

229 21.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3541

Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

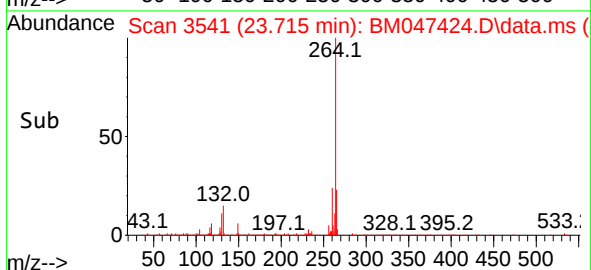
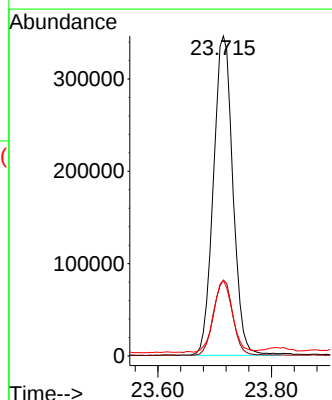
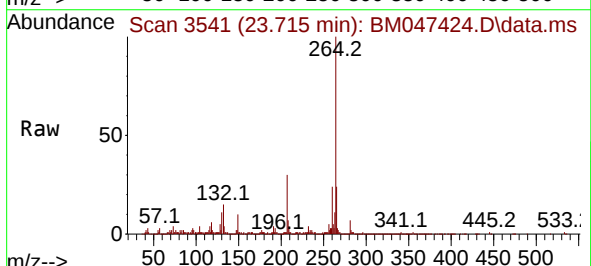
Tgt Ion:264 Resp: 822417

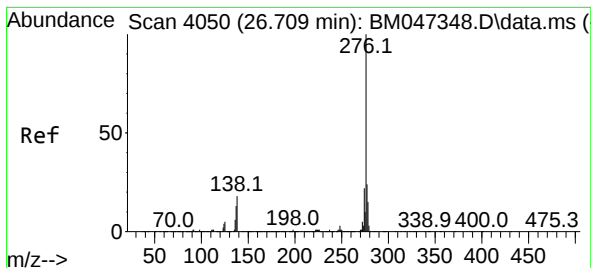
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 23.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.329 ng

RT: 26.721 min Scan# 4050

Delta R.T. 0.012 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

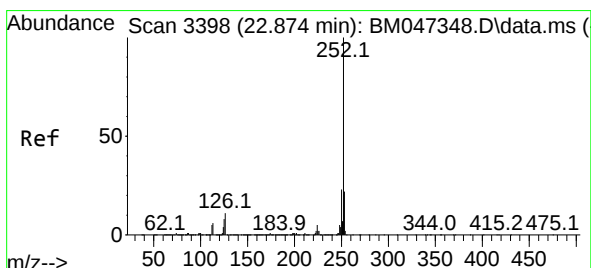
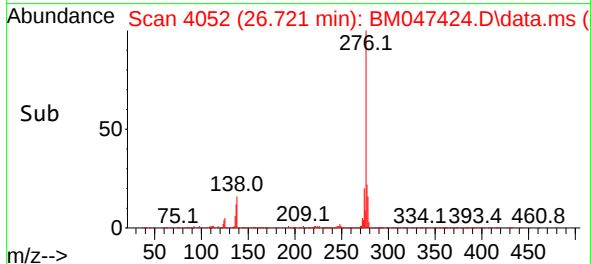
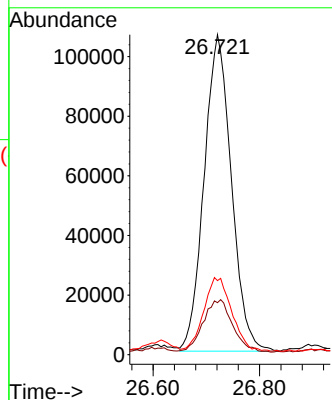
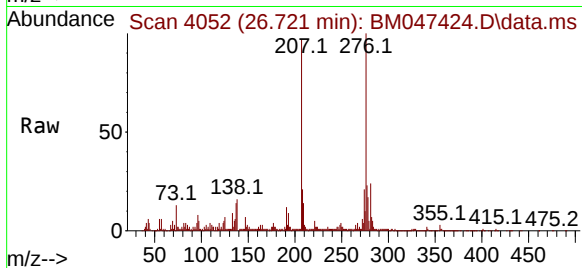
Tgt Ion:276 Resp: 377328

Ion Ratio Lower Upper

276 100

138 17.9 17.7 26.5

277 24.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 14.422 ng

RT: 22.874 min Scan# 3398

Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

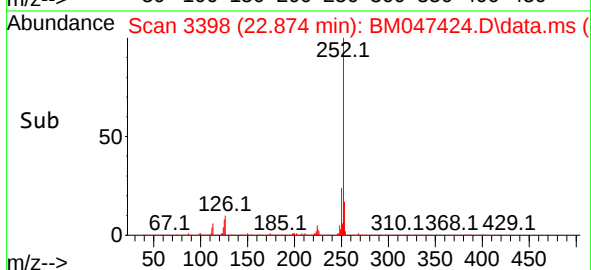
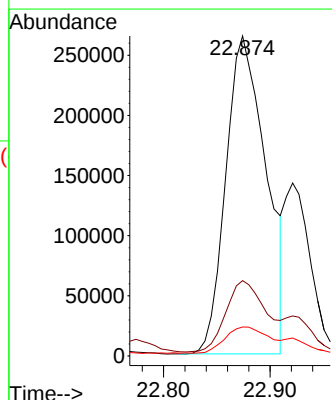
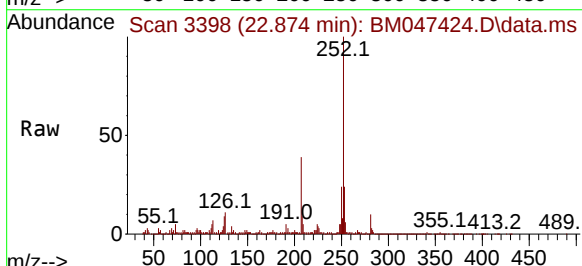
Tgt Ion:252 Resp: 691986

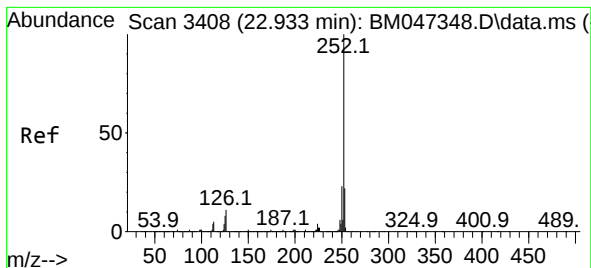
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 9.1 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 15.214 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.058 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

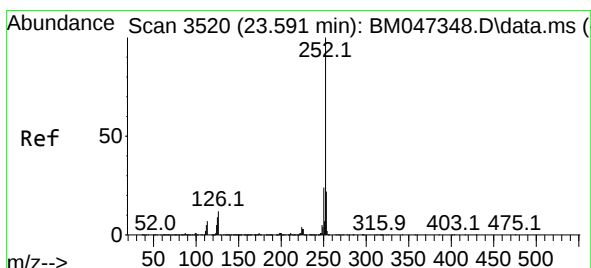
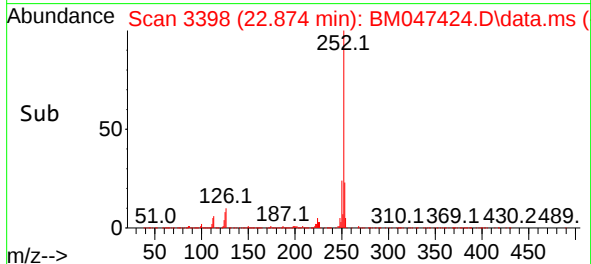
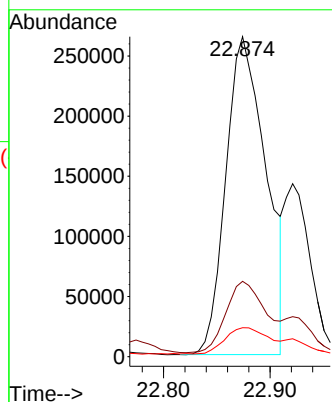
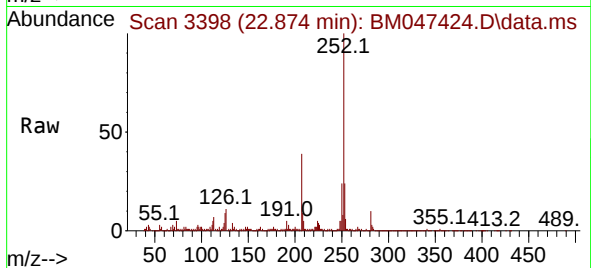
Tgt Ion:252 Resp: 691986

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 9.1 6.6 9.8



#90

Benzo(a)pyrene

Concen: 12.705 ng

RT: 23.592 min Scan# 3520

Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

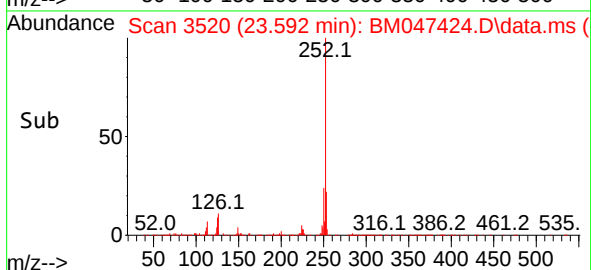
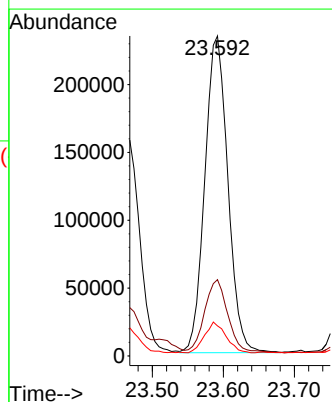
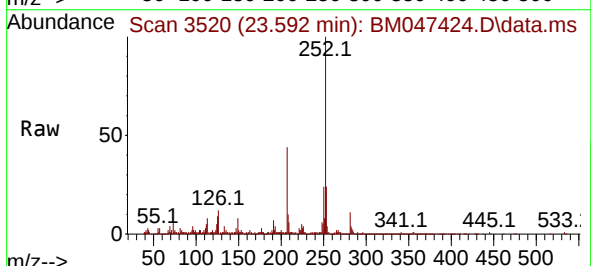
Tgt Ion:252 Resp: 527186

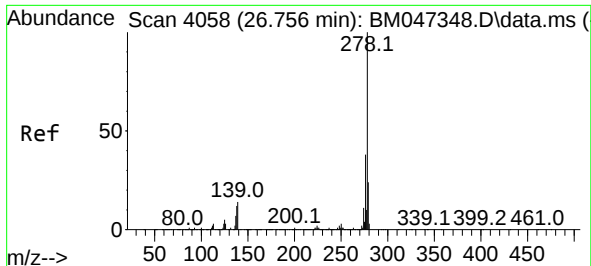
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 9.4 7.4 11.2

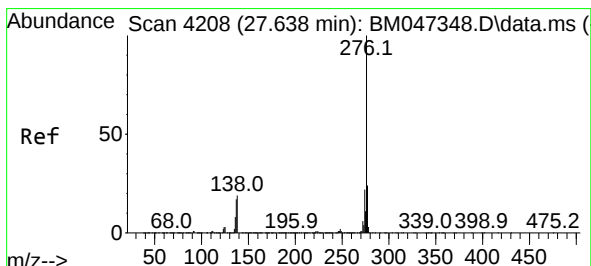
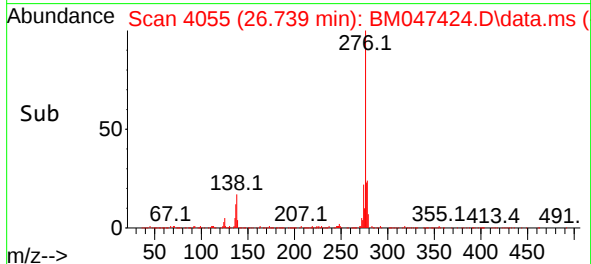
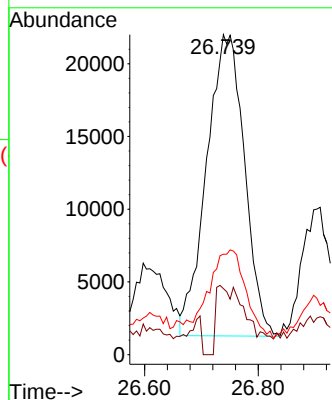
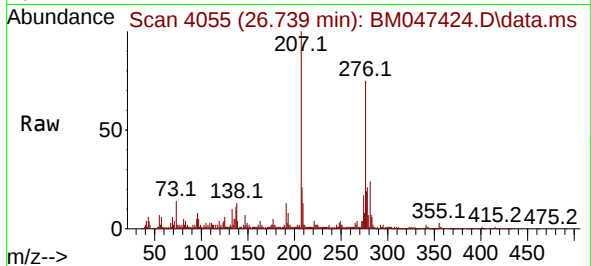




#91
Dibenzo(a,h)anthracene
Concen: 2.300 ng
RT: 26.739 min Scan# 4055
Delta R.T. -0.017 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 95911
Ion Ratio Lower Upper
278 100
139 20.7 11.1 16.7#
279 31.4 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 8.672 ng
RT: 27.656 min Scan# 4211
Delta R.T. 0.018 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:276 Resp: 375995
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 18.6 15.0 22.6

