

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081624\
 Data File : BM047234.D
 Acq On : 16 Aug 2024 14:31
 Operator : RC/JU
 Sample : P3582-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-855-J-SO-4-4.5-081224

Quant Time: Aug 16 15:11:11 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)

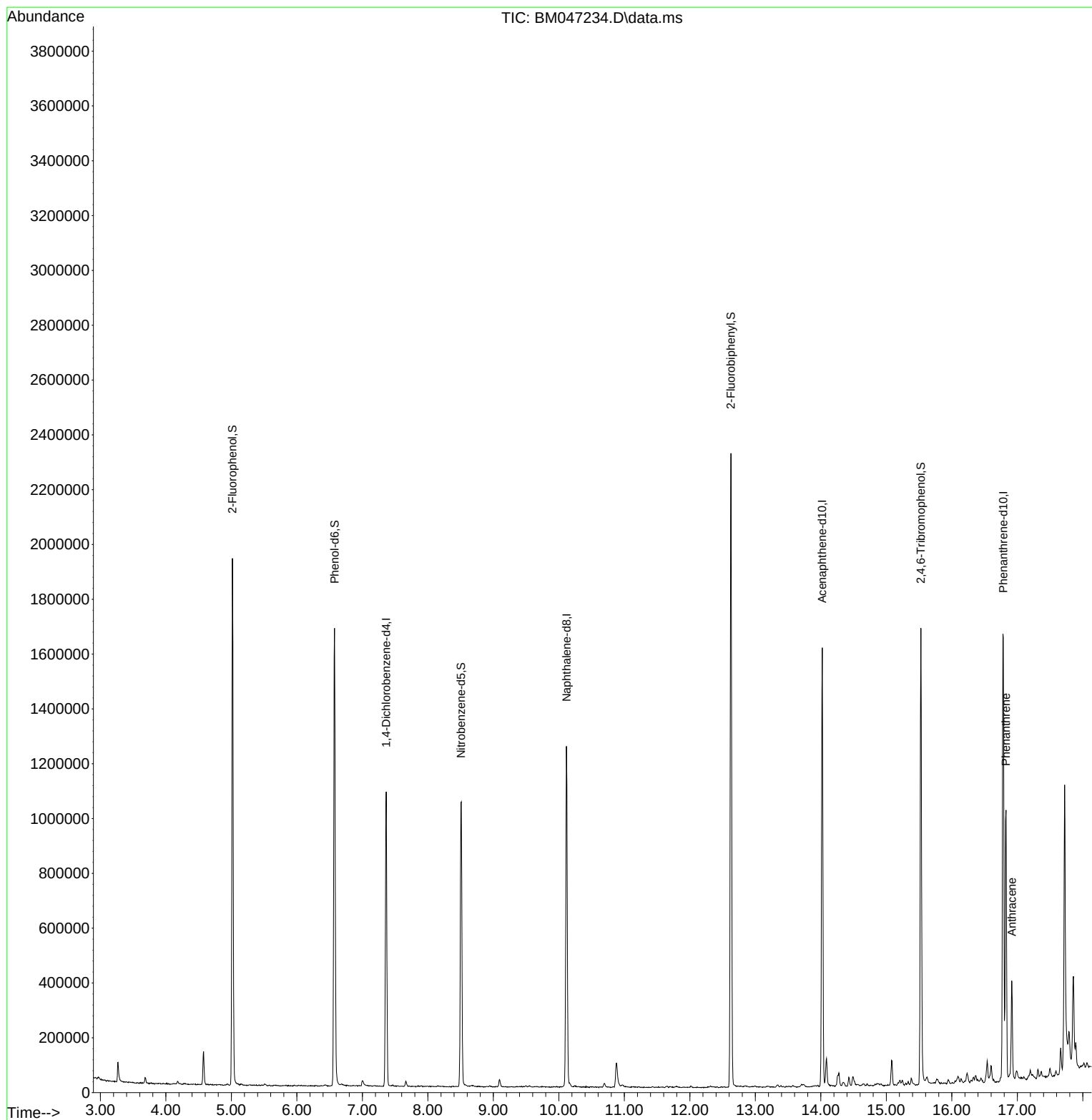
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.363	152	286527	20.000	ng	-0.01
21) Naphthalene-d8	10.116	136	985378	20.000	ng	-0.02
39) Acenaphthene-d10	14.022	164	552505	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1011931	20.000	ng	0.00
76) Chrysene-d12	21.021	240	938783	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1143080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	772878	48.198	ng	0.00
7) Phenol-d6	6.575	99	956889	43.307	ng	-0.01
23) Nitrobenzene-d5	8.504	82	617453	31.552	ng	-0.02
42) 2,4,6-Tribromophenol	15.528	330	291399	45.486	ng	-0.01
45) 2-Fluorobiphenyl	12.628	172	1207271	33.706	ng	-0.02
79) Terphenyl-d14	19.451	244	1390977	31.749	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.827	178	595326	11.723	ng	100
72) Anthracene	16.916	178	212638	4.303	ng	99
75) Fluoranthene	18.863	202	1800884	29.154	ng	98
78) Pyrene	19.227	202	1525767	22.762	ng	99
81) Benzo(a)anthracene	21.009	228	863502	13.856	ng	99
83) Chrysene	21.062	228	800210	13.533	ng	96
87) Indeno(1,2,3-cd)pyrene	26.703	276	541427	7.328	ng	95
88) Benzo(b)fluoranthene	22.880	252	1100396	16.210	ng	98
89) Benzo(k)fluoranthene	22.927	252	375700m	5.859	ng	
90) Benzo(a)pyrene	23.592	252	815137	13.862	ng	96
91) Dibenzo(a,h)anthracene	26.739	278	134192m	2.244	ng	
92) Benzo(g,h,i)perylene	27.627	276	544747	8.775	ng	99

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

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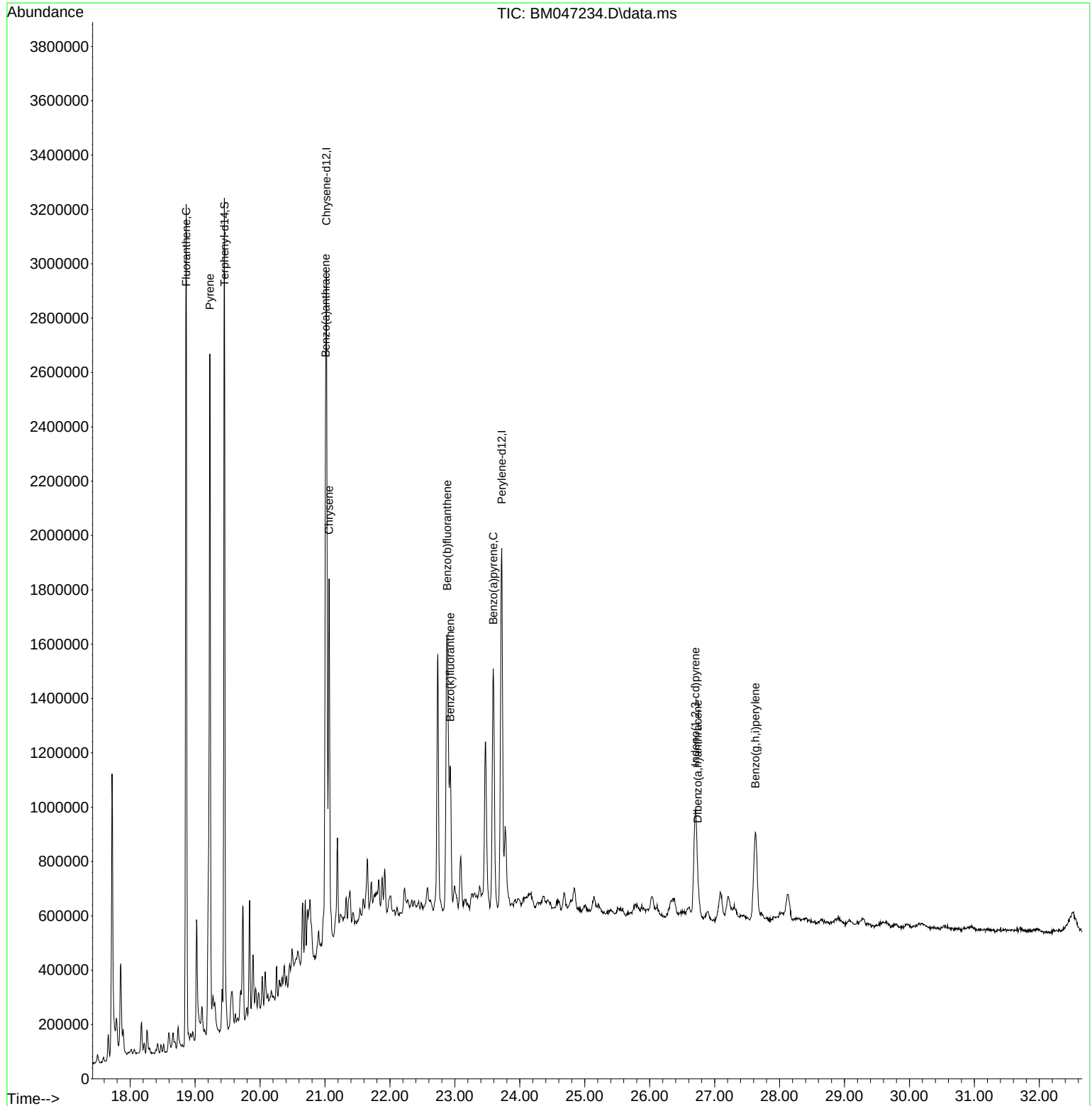
Quant Time: Aug 16 15:11:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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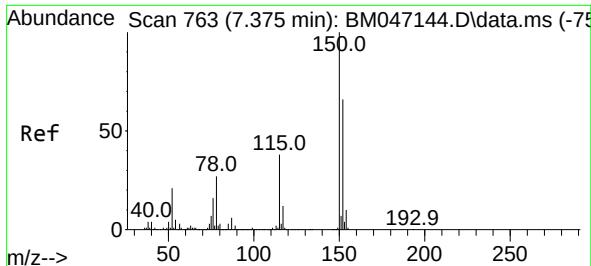


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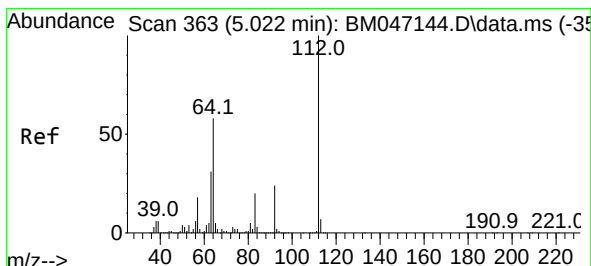
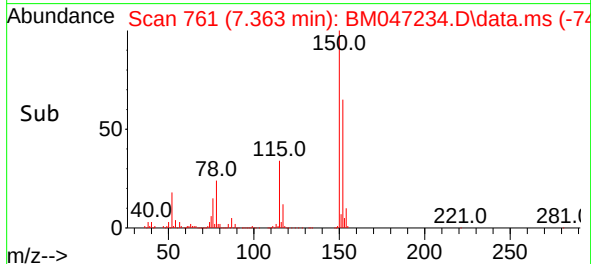
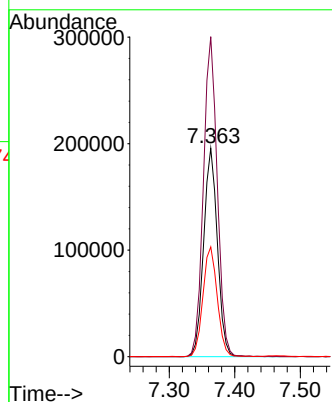
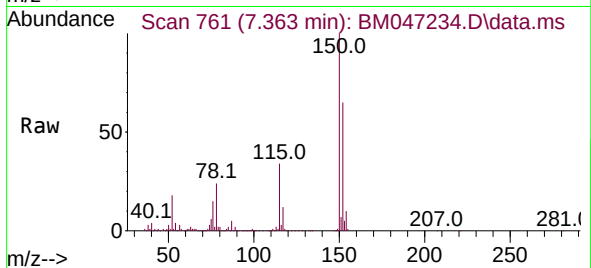




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 763
Delta R.T. -0.012 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

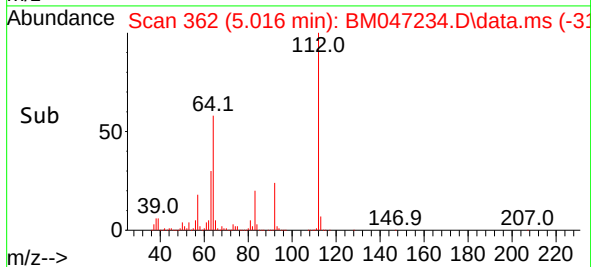
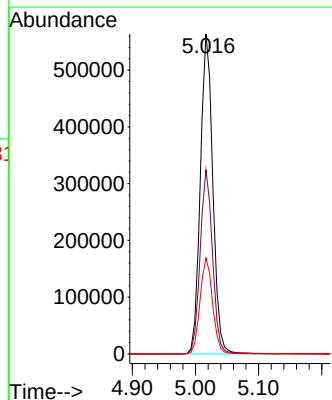
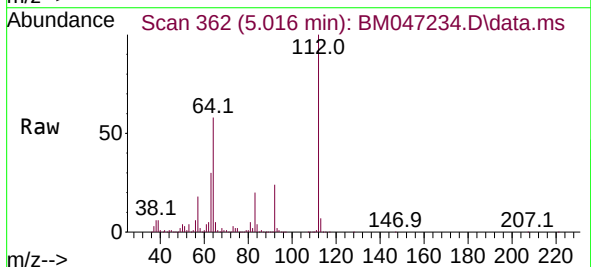
Instrument :
BNA_M
ClientSampleId :
S-855-J-SO-4-4.5-081224

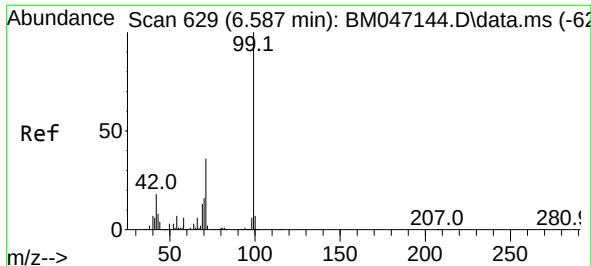
Tgt Ion:152 Resp: 286527
Ion Ratio Lower Upper
152 100
150 153.5 120.5 180.7
115 52.6 45.5 68.3



#5
2-Fluorophenol
Concen: 48.198 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

Tgt Ion:112 Resp: 772878
Ion Ratio Lower Upper
112 100
64 57.5 46.7 70.1
63 30.0 24.8 37.2

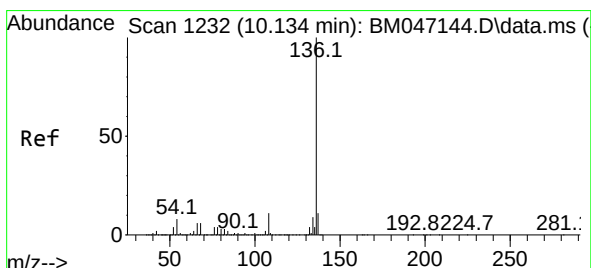
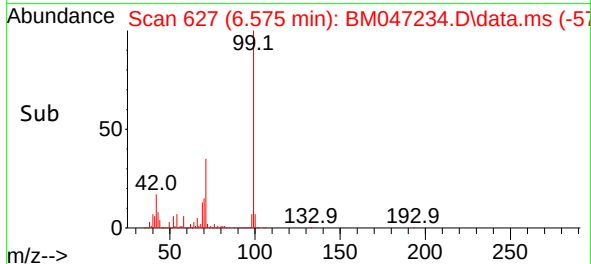
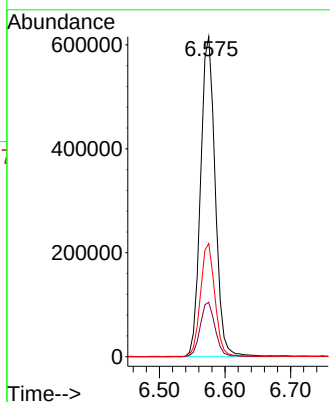
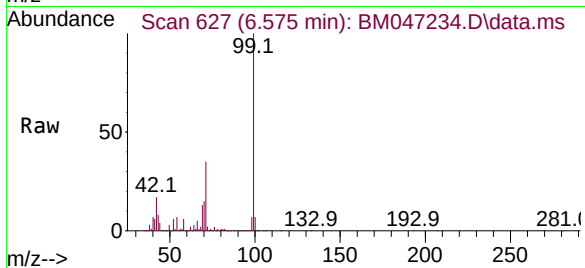




#7
Phenol-d6
Concen: 43.307 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

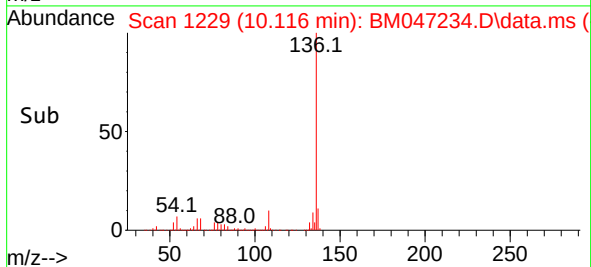
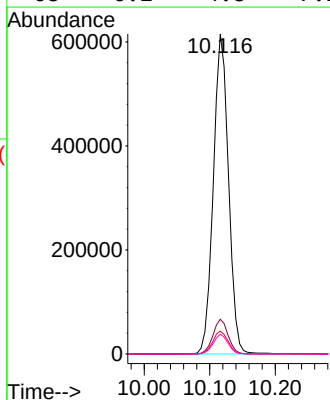
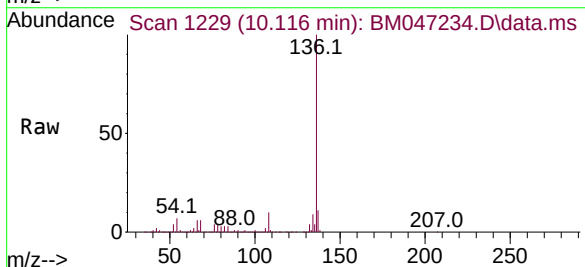
Instrument :
BNA_M
ClientSampleId :
S-855-J-SO-4-4.5-081224

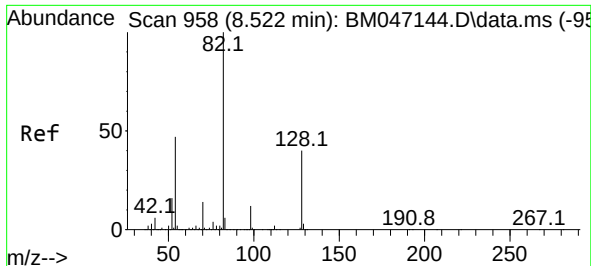
Tgt Ion: 99 Resp: 956889
Ion Ratio Lower Upper
99 100
42 17.0 14.1 21.1
71 35.4 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.116 min Scan# 1229
Delta R.T. -0.018 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

Tgt Ion: 136 Resp: 985378
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.2 6.0 9.0
68 6.2 4.8 7.2

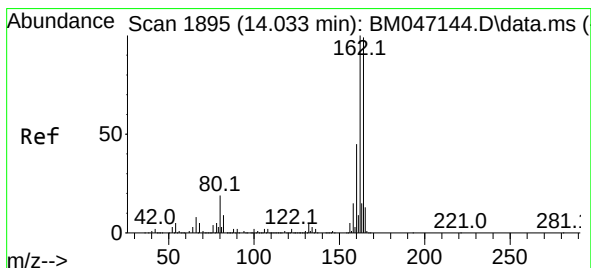
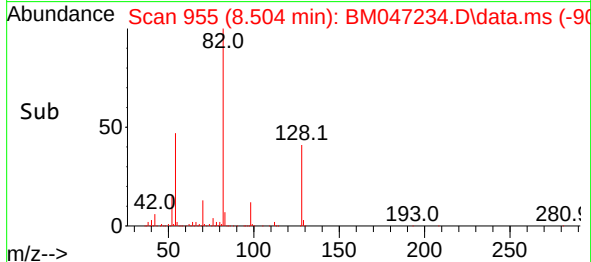
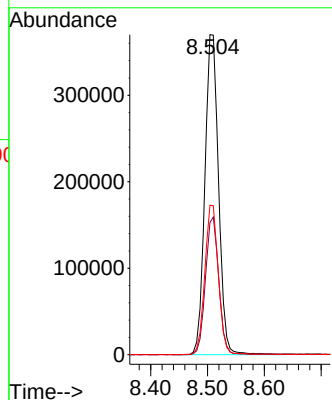
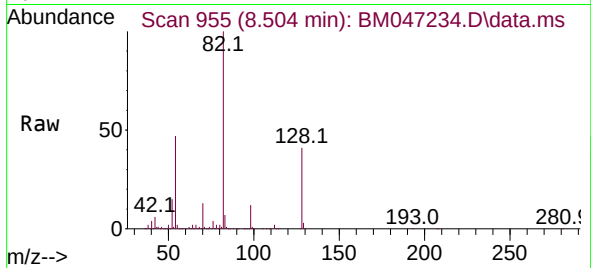




#23
Nitrobenzene-d5
Concen: 31.552 ng
RT: 8.504 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

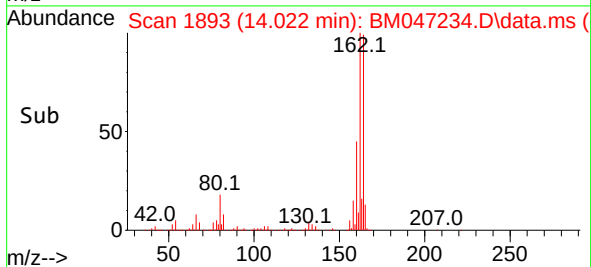
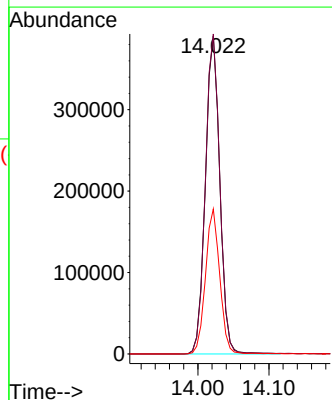
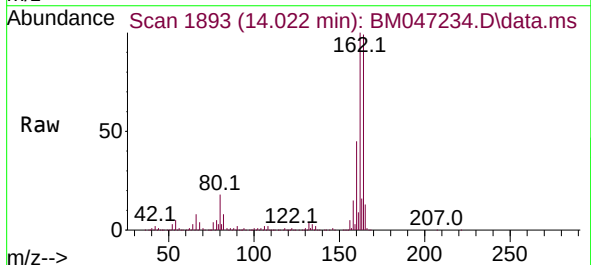
Instrument :
BNA_M
ClientSampleId :
S-855-J-SO-4-4.5-081224

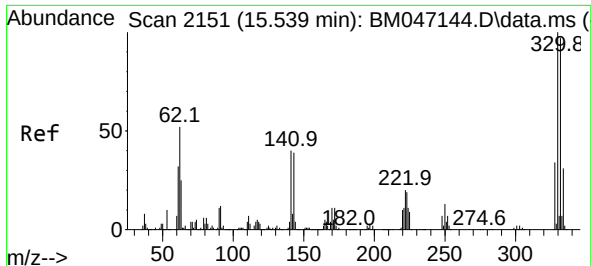
Tgt Ion: 82 Resp: 617453
Ion Ratio Lower Upper
82 100
128 41.3 32.3 48.5
54 46.7 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1893
Delta R.T. -0.012 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

Tgt Ion: 164 Resp: 552505
Ion Ratio Lower Upper
164 100
162 100.7 80.7 121.1
160 45.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 45.486 ng

RT: 15.528 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047234.D

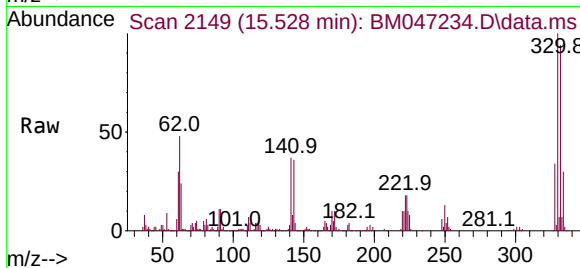
Acq: 16 Aug 2024 14:31

Instrument :

BNA_M

ClientSampleId :

S-855-J-SO-4-4.5-081224



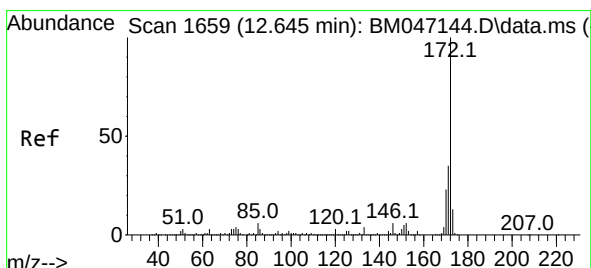
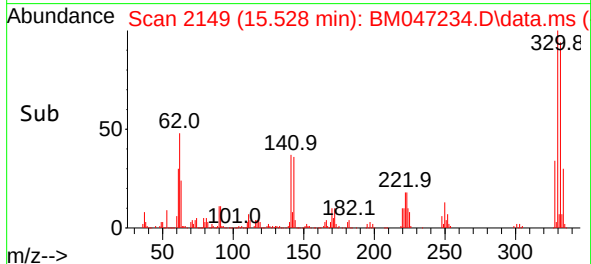
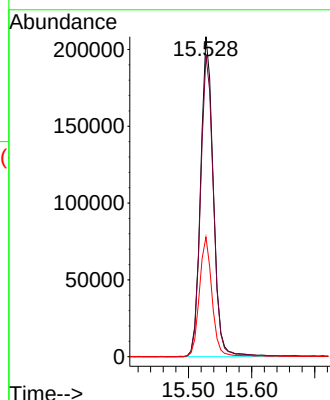
Tgt Ion:330 Resp: 291399

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.2

141 37.1 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 33.706 ng

RT: 12.628 min Scan# 1656

Delta R.T. -0.017 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

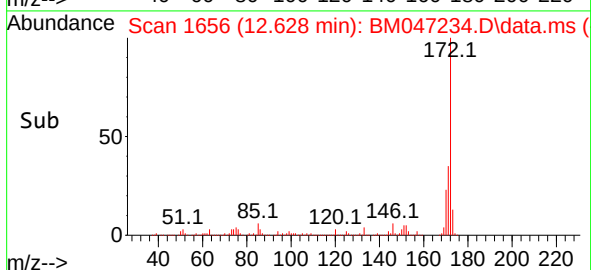
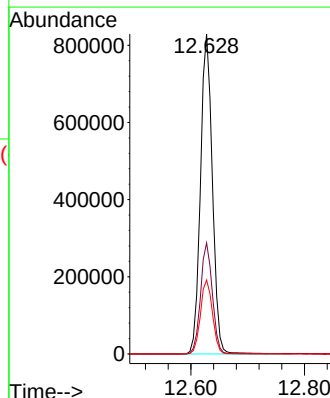
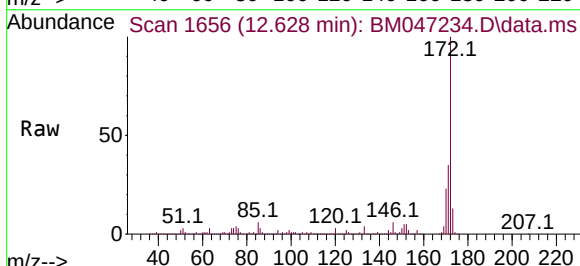
Tgt Ion:172 Resp: 1207271

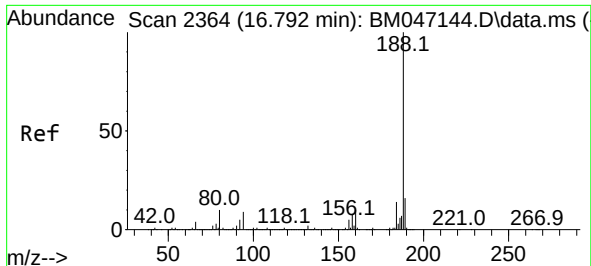
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.1 18.7 28.1

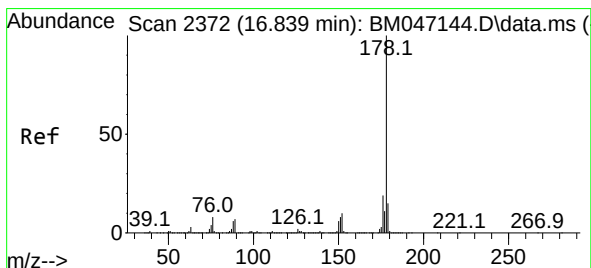
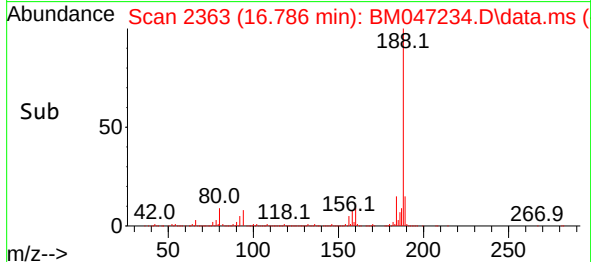
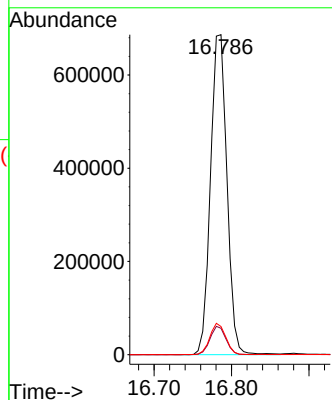
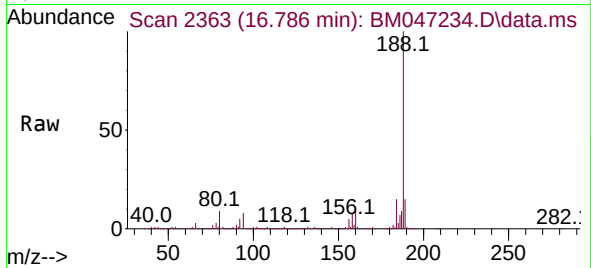




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

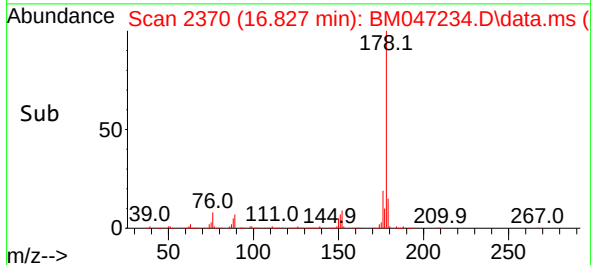
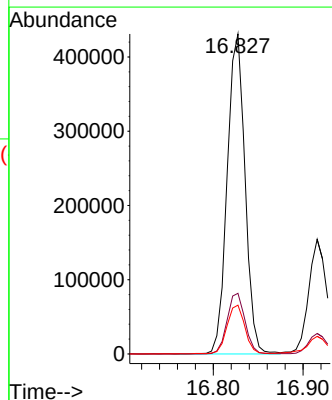
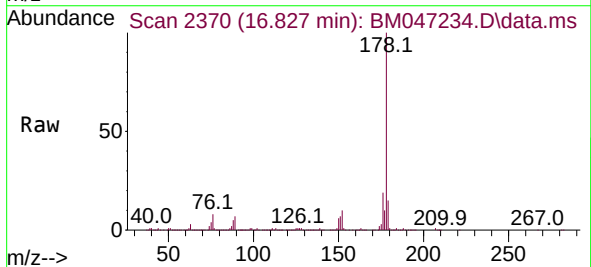
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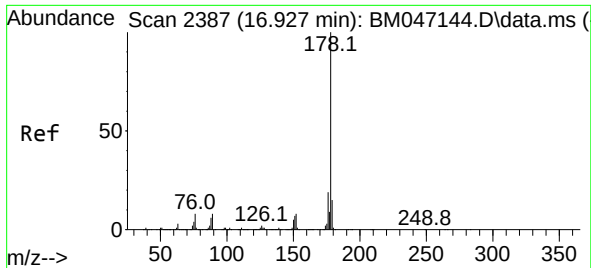
Tgt Ion:188 Resp: 1011931
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 8.8 8.0 12.0



#71
Phenanthrene
Concen: 11.723 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

Tgt Ion:178 Resp: 595326
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.4 18.6

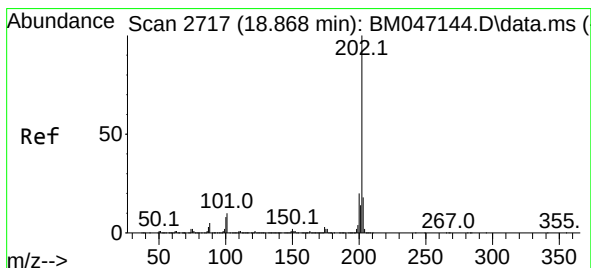
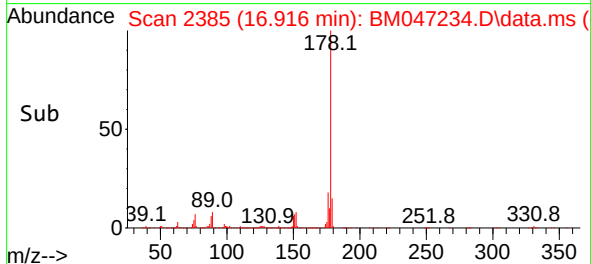
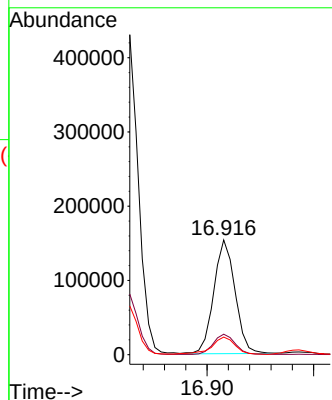
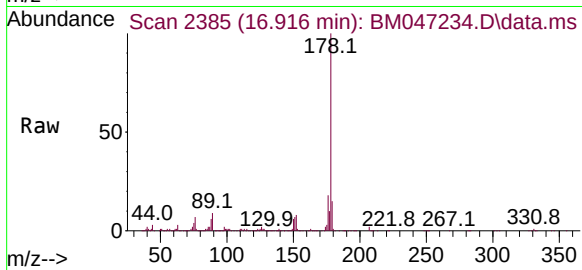




#72
 Anthracene
 Concen: 4.303 ng
 RT: 16.916 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047234.D
 Acq: 16 Aug 2024 14:31

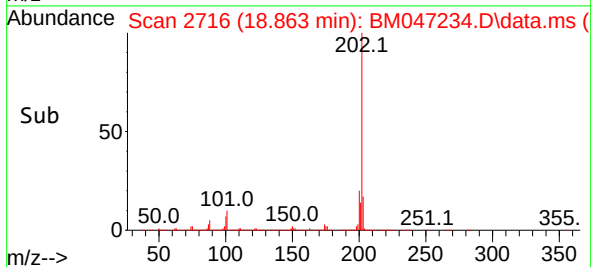
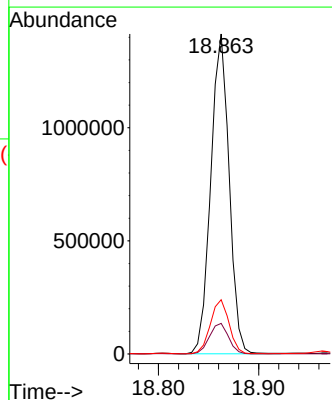
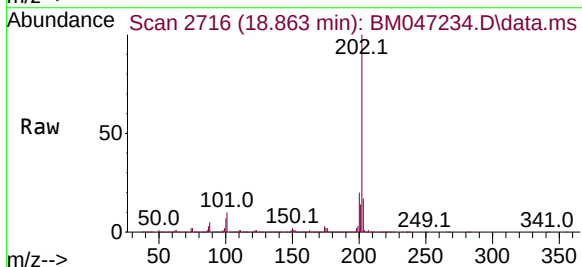
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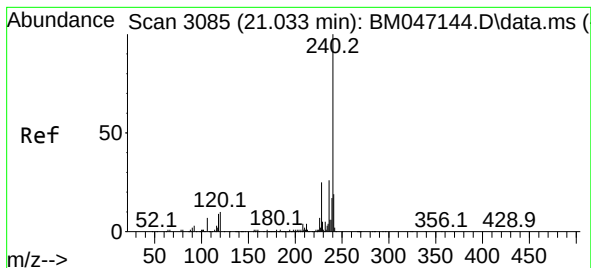
Tgt Ion:178 Resp: 212638
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 15.4 12.4 18.6



#75
 Fluoranthene
 Concen: 29.154 ng
 RT: 18.863 min Scan# 2716
 Delta R.T. -0.006 min
 Lab File: BM047234.D
 Acq: 16 Aug 2024 14:31

Tgt Ion:202 Resp: 1800884
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.2
 203 17.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3085

Delta R.T. -0.012 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

Instrument :

BNA_M

ClientSampleId :

S-855-J-SO-4-4.5-081224

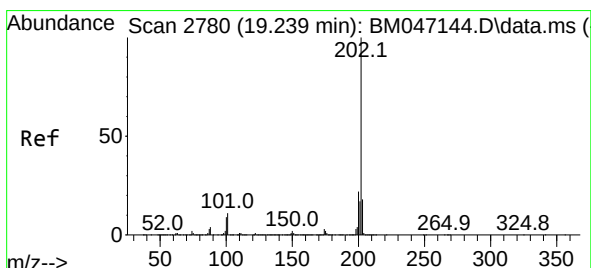
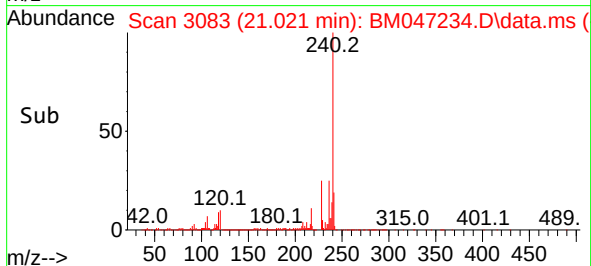
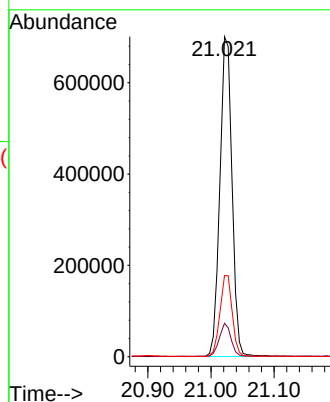
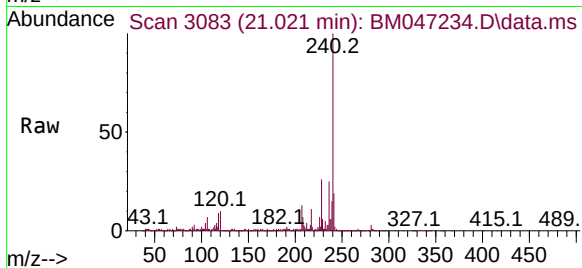
Tgt Ion:240 Resp: 938783

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.4 20.6 30.8



#78

Pyrene

Concen: 22.762 ng

RT: 19.227 min Scan# 2778

Delta R.T. -0.012 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

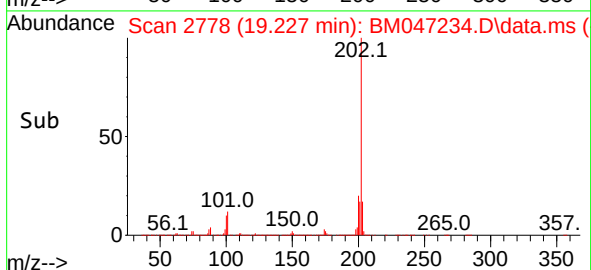
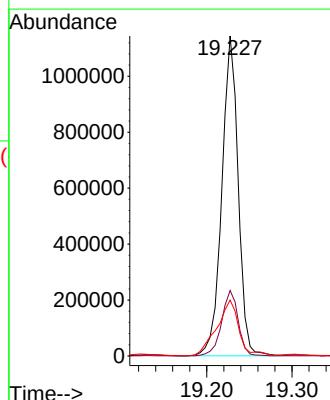
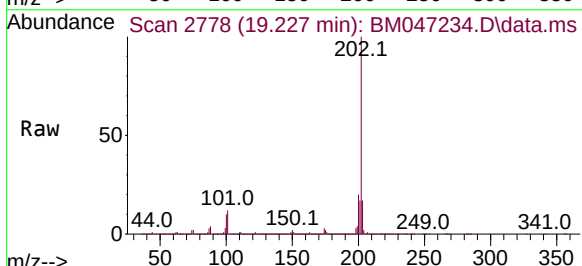
Tgt Ion:202 Resp: 1525767

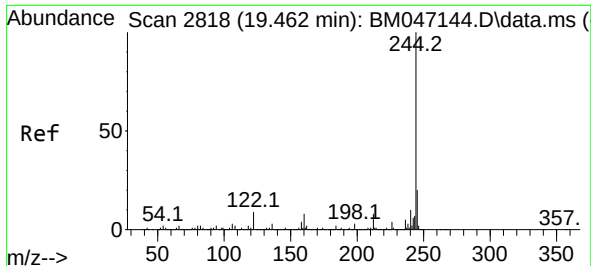
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 17.4 14.2 21.2

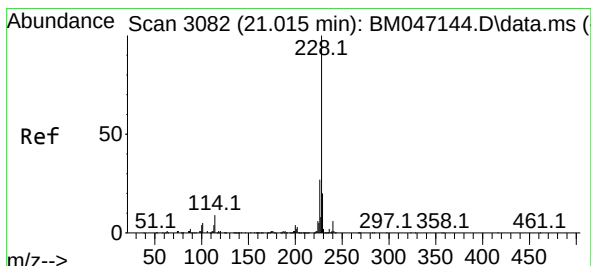
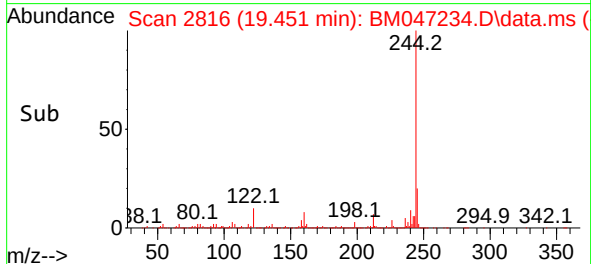
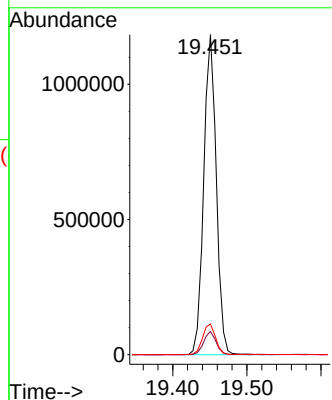
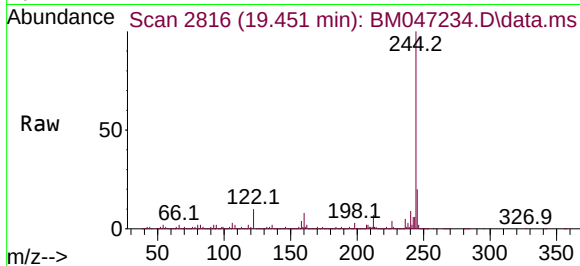




#79
 Terphenyl-d14
 Concen: 31.749 ng
 RT: 19.451 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047234.D
 Acq: 16 Aug 2024 14:31

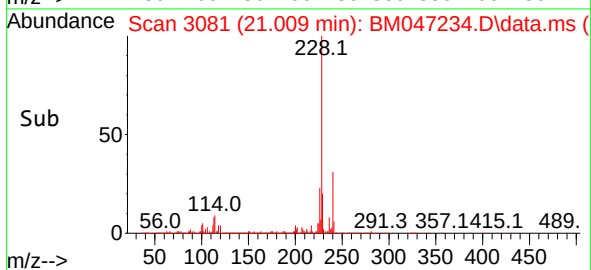
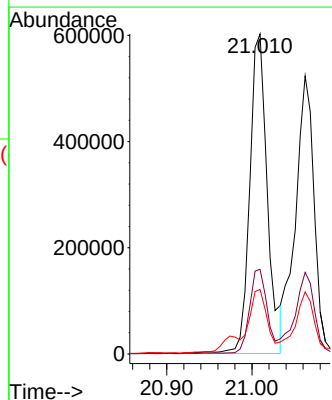
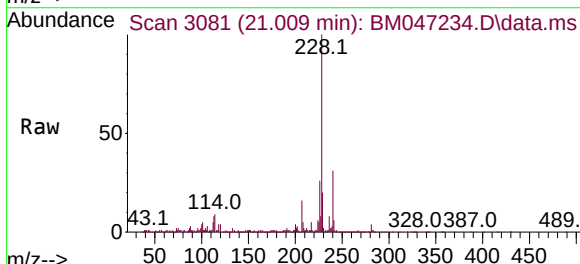
Instrument :
 BNA_M
 ClientSampleId :
 S-855-J-SO-4-4.5-081224

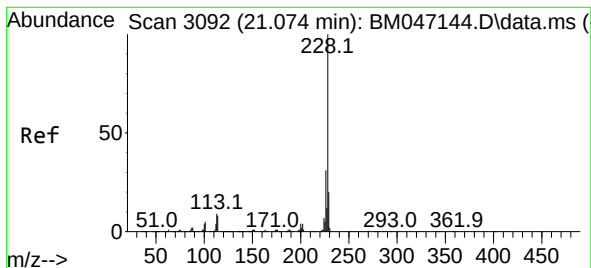
Tgt Ion:244 Resp: 1390977
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.6 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 13.856 ng
 RT: 21.009 min Scan# 3081
 Delta R.T. -0.006 min
 Lab File: BM047234.D
 Acq: 16 Aug 2024 14:31

Tgt Ion:228 Resp: 863502
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.8 32.6
 229 20.2 15.8 23.8





#83

Chrysene

Concen: 13.533 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

Instrument :

BNA_M

ClientSampleId :

S-855-J-SO-4-4.5-081224

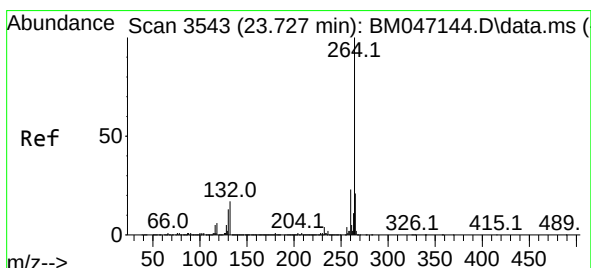
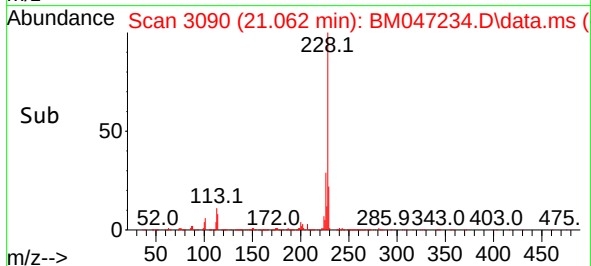
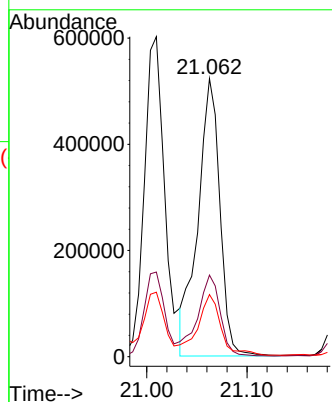
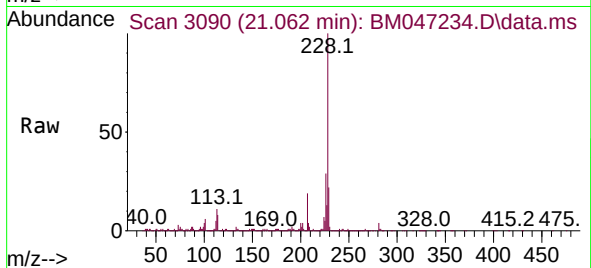
Tgt Ion:228 Resp: 800210

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 22.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3542

Delta R.T. -0.006 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

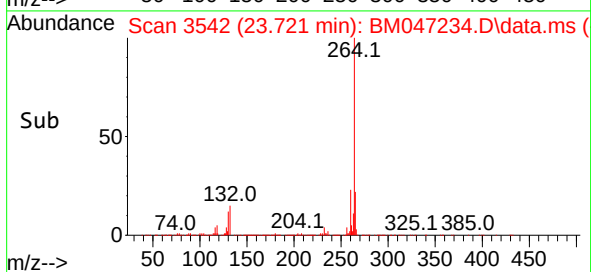
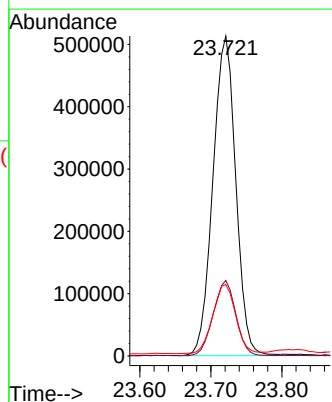
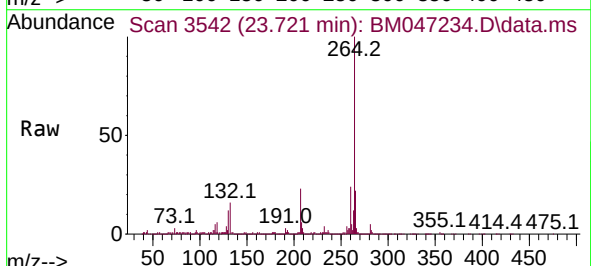
Tgt Ion:264 Resp: 1143080

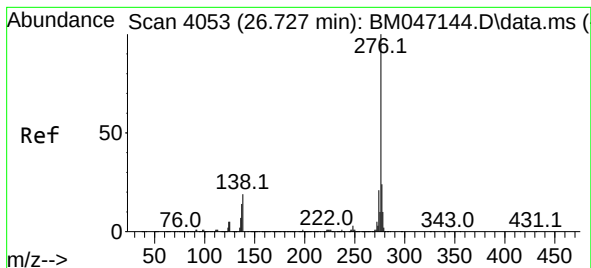
Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.328 ng

RT: 26.703 min Scan# 4053

Delta R.T. -0.023 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

Instrument :

BNA_M

ClientSampleId :

S-855-J-SO-4-4.5-081224

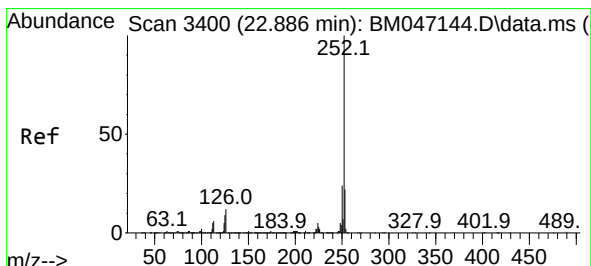
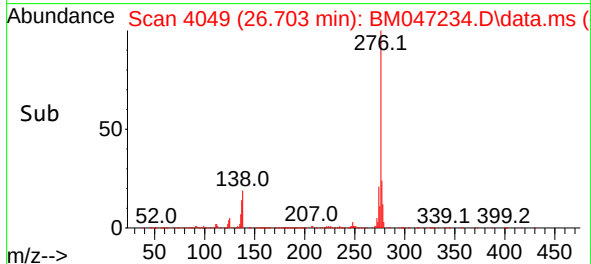
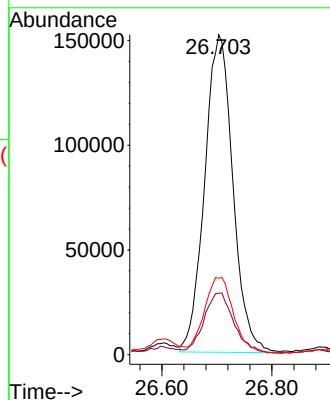
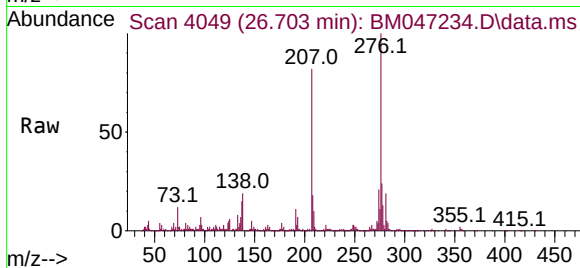
Tgt Ion:276 Resp: 541427

Ion Ratio Lower Upper

276 100

138 20.1 19.4 29.0

277 24.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 16.210 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

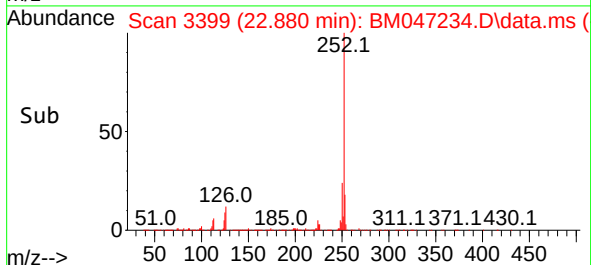
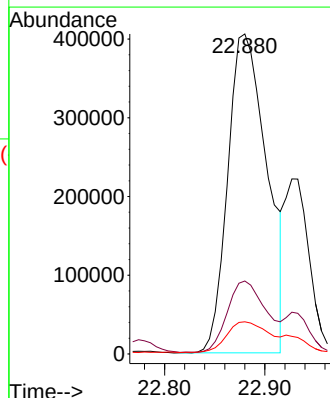
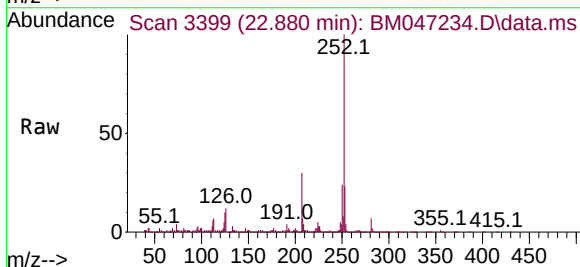
Tgt Ion:252 Resp: 1100396

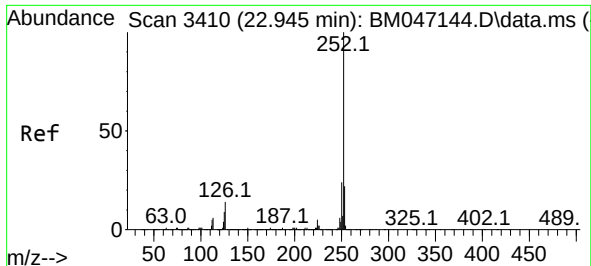
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 10.1 7.4 11.0

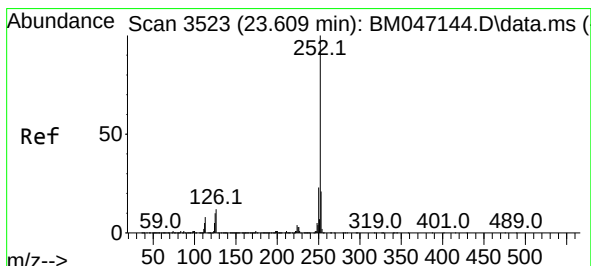
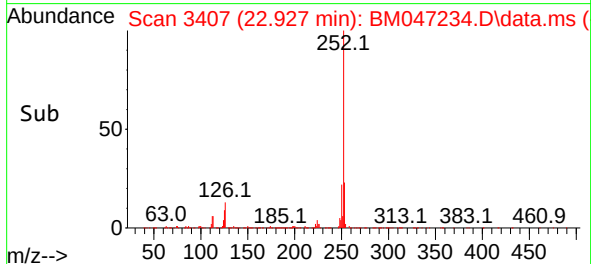
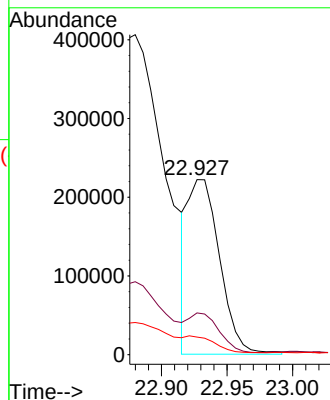
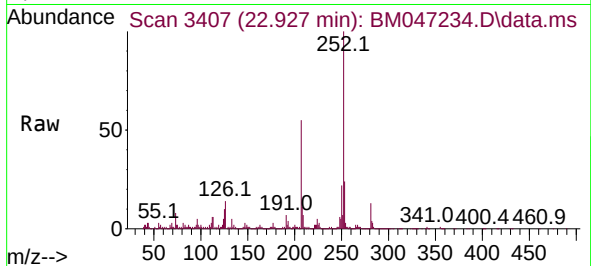




#89
Benzo(k)fluoranthene
Concen: 5.859 ng m
RT: 22.927 min Scan# 3410
Delta R.T. -0.018 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

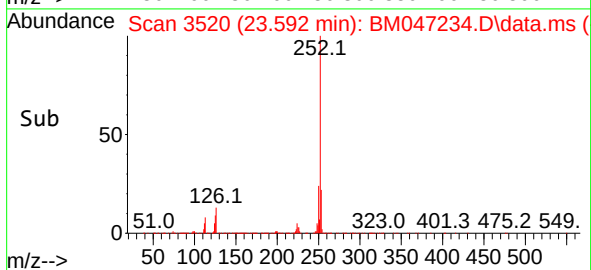
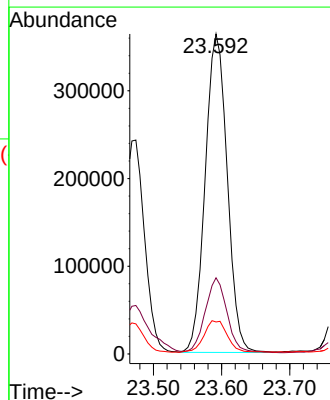
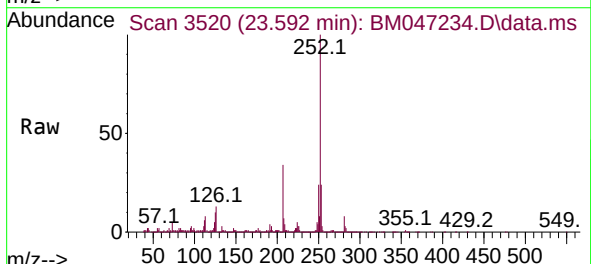
Instrument :
BNA_M
ClientSampleId :
S-855-J-SO-4-4.5-081224

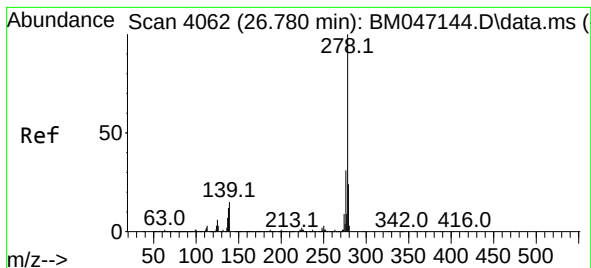
Tgt Ion:252 Resp: 375700
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 10.0 7.4 11.2



#90
Benzo(a)pyrene
Concen: 13.862 ng
RT: 23.592 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047234.D
Acq: 16 Aug 2024 14:31

Tgt Ion:252 Resp: 815137
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 10.0 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 2.244 ng m

RT: 26.739 min Scan# 4062

Delta R.T. -0.041 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

Instrument :

BNA_M

ClientSampleId :

S-855-J-SO-4-4.5-081224

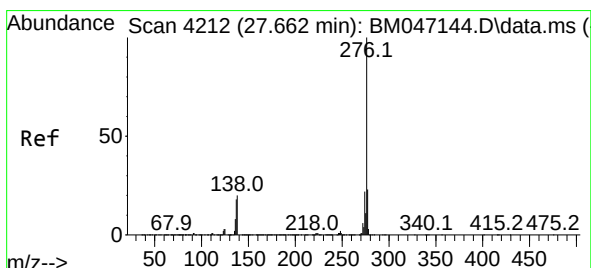
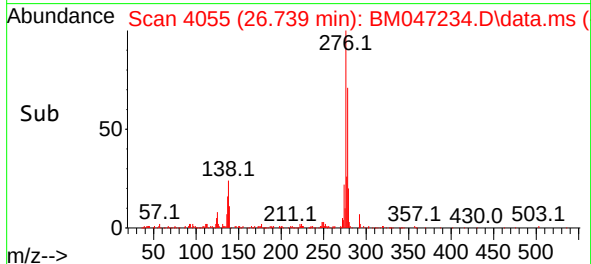
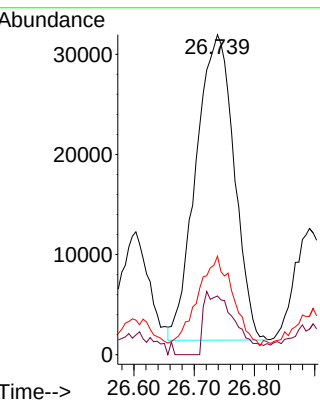
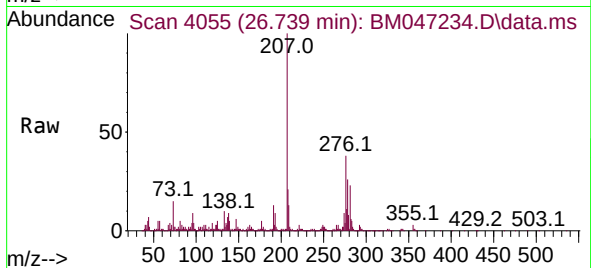
Tgt Ion:278 Resp: 134192

Ion Ratio Lower Upper

278 100

139 18.4 12.0 18.0#

279 30.8 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 8.775 ng

RT: 27.627 min Scan# 4206

Delta R.T. -0.035 min

Lab File: BM047234.D

Acq: 16 Aug 2024 14:31

Tgt Ion:276 Resp: 544747

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 21.0 16.2 24.4

