

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
 Data File : BM047607.D
 Acq On : 23 Sep 2024 17:03
 Operator : RC/JU
 Sample : P4138-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTY-AVE-TP-COMP

Quant Time: Sep 23 17:42:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

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

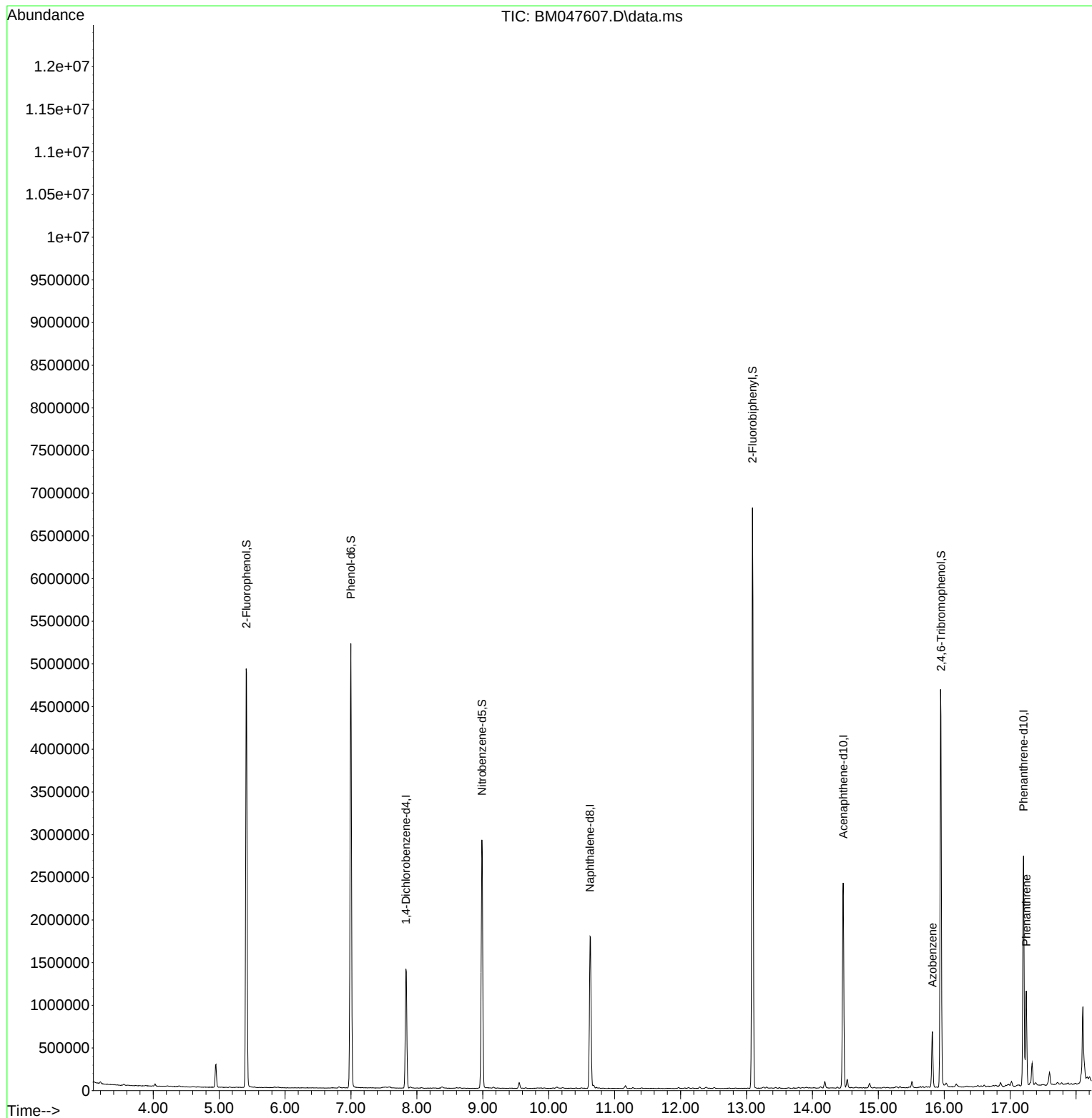
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	366562	20.000	ng	-0.01
21) Naphthalene-d8	10.628	136	1471488	20.000	ng	-0.01
39) Acenaphthene-d10	14.468	164	769765	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1424186	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1243588	20.000	ng	-0.01
86) Perylene-d12	24.450	264	1374013	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2073253	86.674	ng	0.00
7) Phenol-d6	6.998	99	2780962	88.235	ng	0.00
23) Nitrobenzene-d5	8.986	82	1631077	55.179	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	597744	83.861	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3109502	57.158	ng	-0.01
79) Terphenyl-d14	19.821	244	4143615	59.785	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.821	77	198638	3.207	ng	# 1
71) Phenanthrene	17.245	178	604130	7.815	ng	99
75) Fluoranthene	19.250	202	1317029	15.476	ng	98
78) Pyrene	19.615	202	1209094	13.891	ng	99
81) Benzo(a)anthracene	21.409	228	551106	6.740	ng	98
83) Chrysene	21.468	228	608362	7.823	ng	98
84) Bis(2-ethylhexyl)phtha...	21.339	149	128273	2.116	ng	100
87) Indeno(1,2,3-cd)pyrene	27.856	276	381058	4.033	ng	# 95
88) Benzo(b)fluoranthene	23.497	252	834321	9.661	ng	97
89) Benzo(k)fluoranthene	23.497	252	834321	9.842	ng	98
90) Benzo(a)pyrene	24.303	252	530253	7.242	ng	99
92) Benzo(g,h,i)perylene	28.915	276	433955	5.487	ng	96

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

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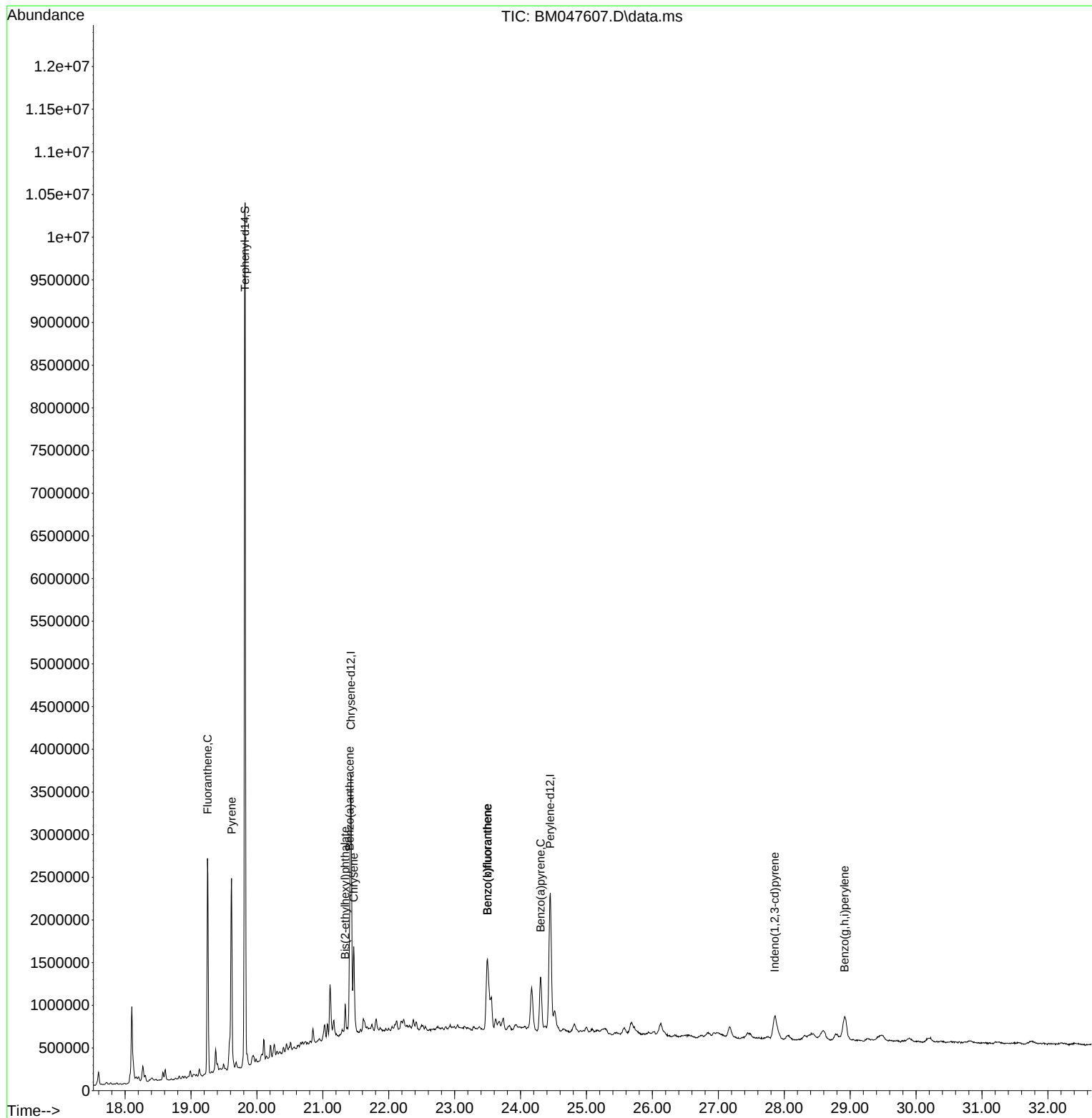
Quant Time: Sep 23 17:42:52 2024
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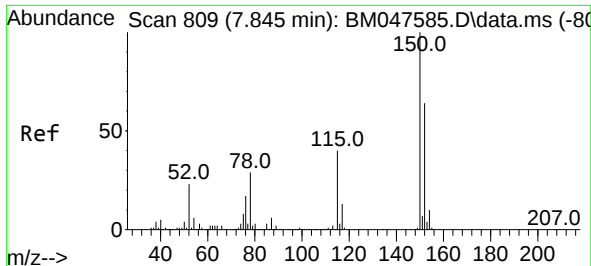


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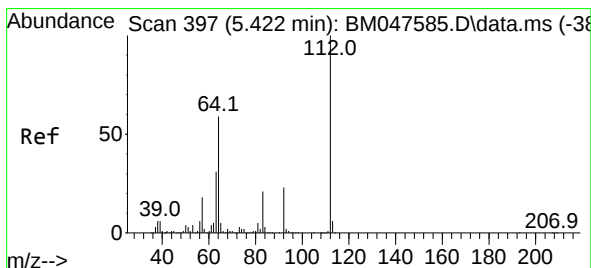
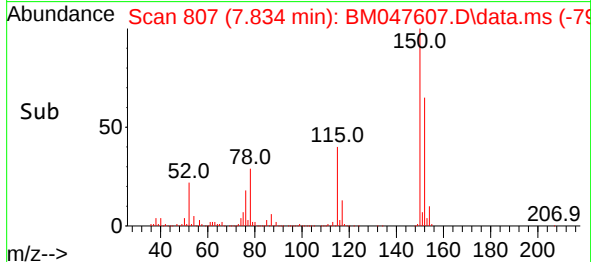
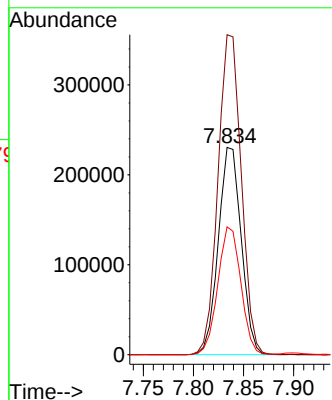
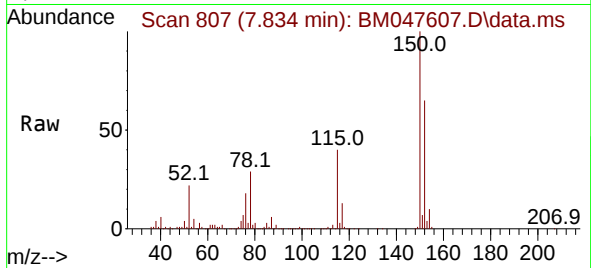




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 809
Delta R.T. -0.011 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

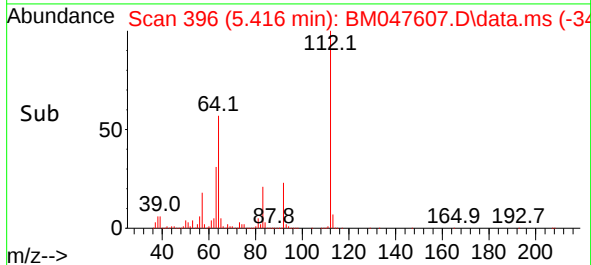
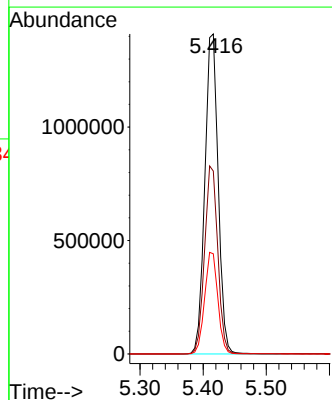
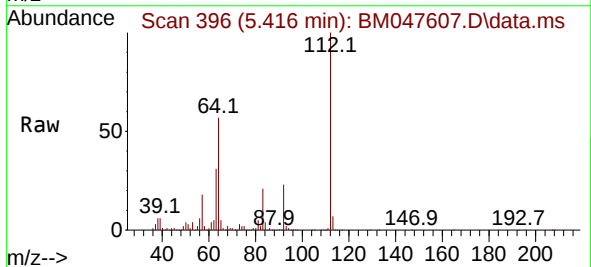
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BNA_M
ClientSampleId :
LIBERTY-AVE-TP-COMP

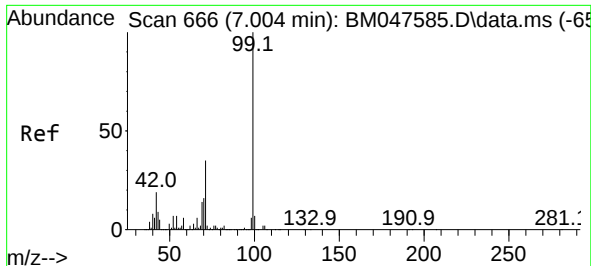
Tgt Ion:152 Resp: 366562
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 86.674 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:112 Resp: 2073253
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 31.3 25.2 37.8



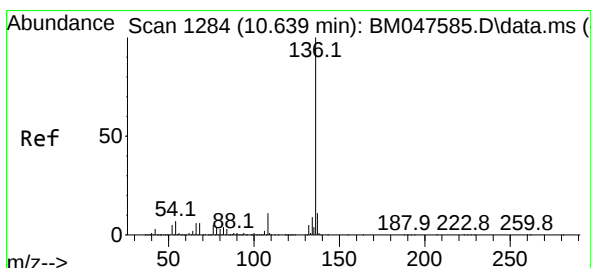
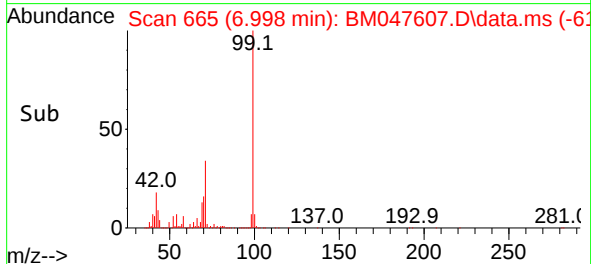
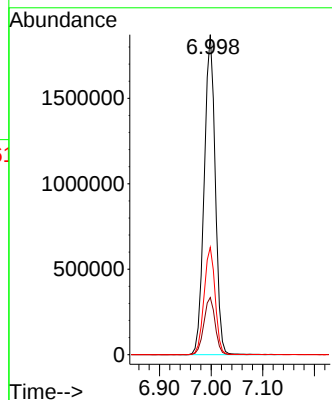
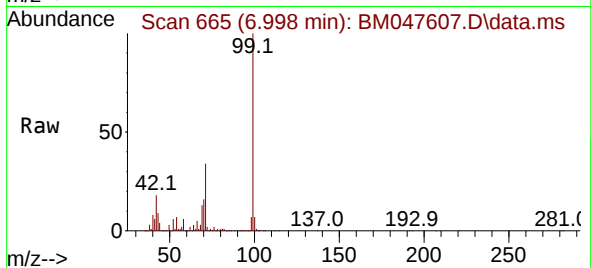


#7
Phenol-d6
Concen: 88.235 ng
RT: 6.998 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Instrument :
BNA_M
ClientSampleId :
LIBERTY-AVE-TP-COMP

Tgt Ion: 99 Resp: 2780962

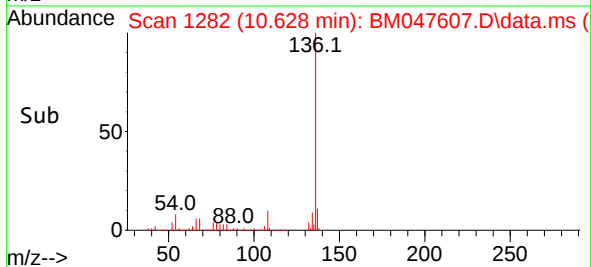
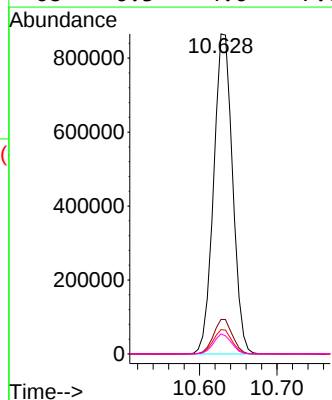
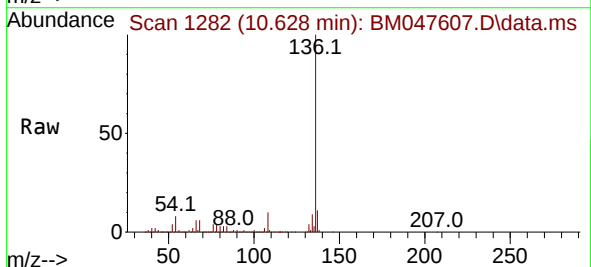
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.3	22.9
71	33.6	27.8	41.6

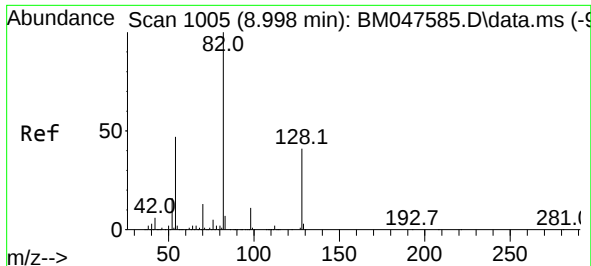


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion: 136 Resp: 1471488

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.6	6.0	9.0
68	6.3	4.6	7.0

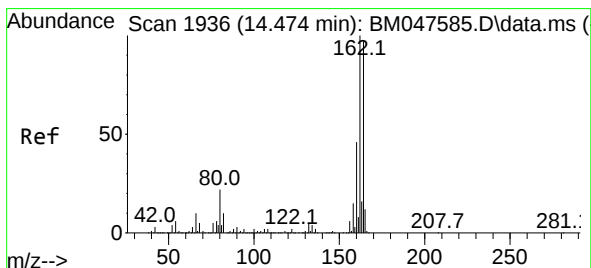
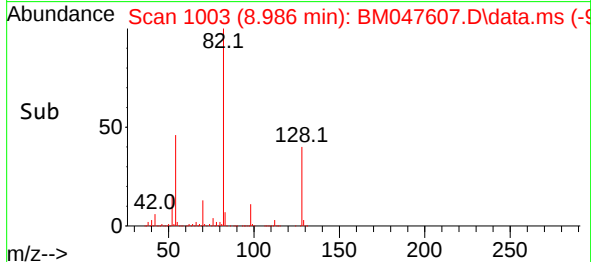
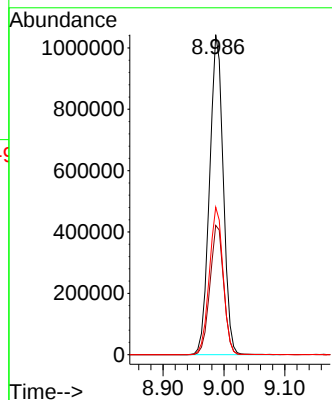
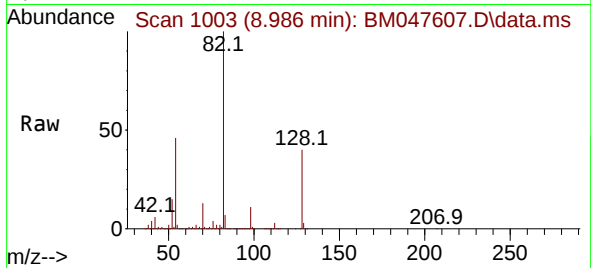




#23
Nitrobenzene-d5
Concen: 55.179 ng
RT: 8.986 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

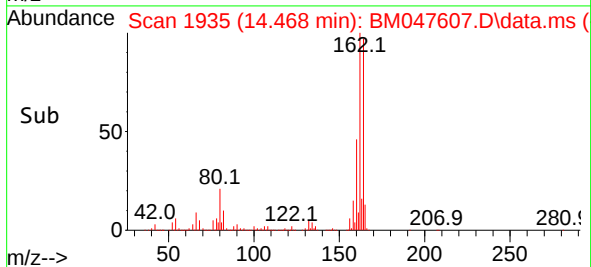
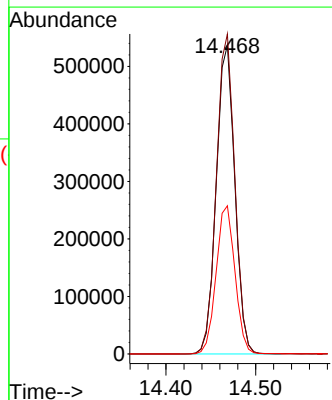
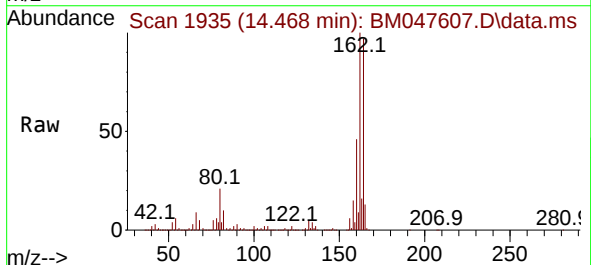
Instrument :
BNA_M
ClientSampleId :
LIBERTY-AVE-TP-COMP

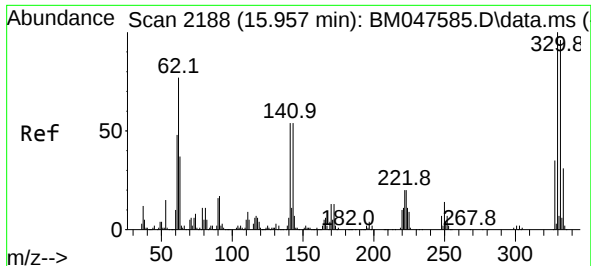
Tgt Ion: 82 Resp: 1631077
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 46.1 37.5 56.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:164 Resp: 769765
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 48.0 37.8 56.6

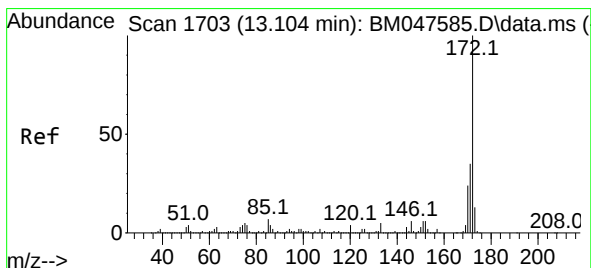
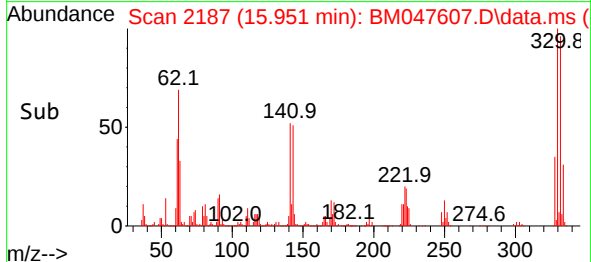
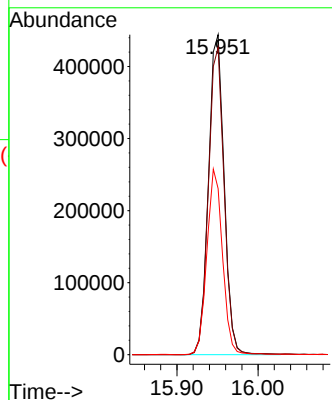
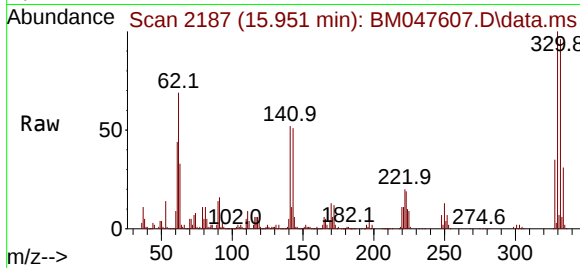




#42
2,4,6-Tribromophenol
Concen: 83.861 ng
RT: 15.951 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

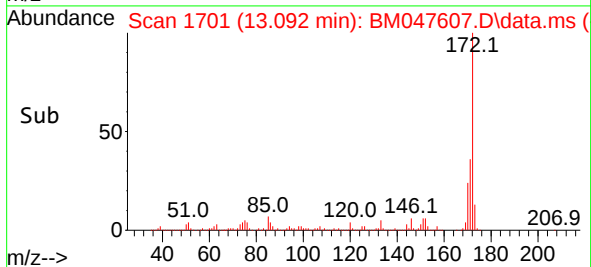
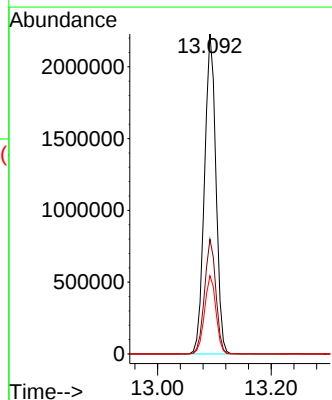
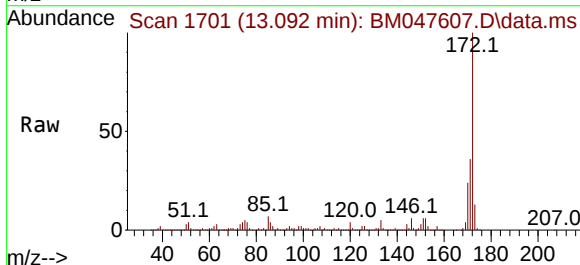
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ClientSampleId :
LIBERTY-AVE-TP-COMP

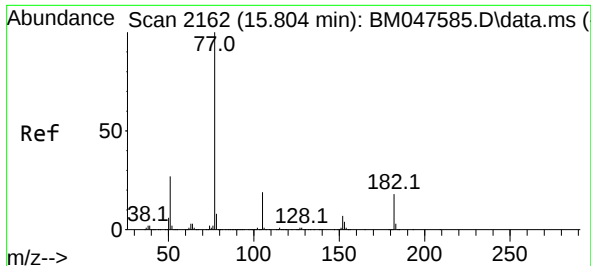
Tgt Ion:330 Resp: 597744
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 57.7 45.9 68.9



#45
2-Fluorobiphenyl
Concen: 57.158 ng
RT: 13.092 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:172 Resp: 3109502
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 24.5 19.0 28.6

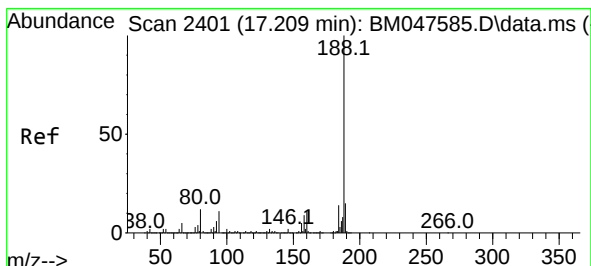
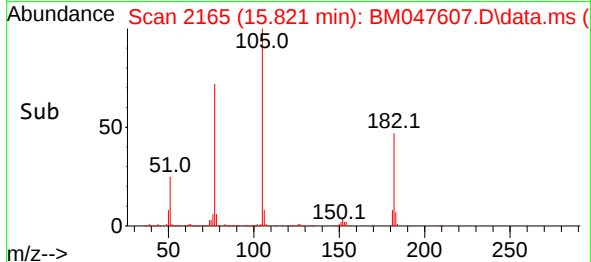
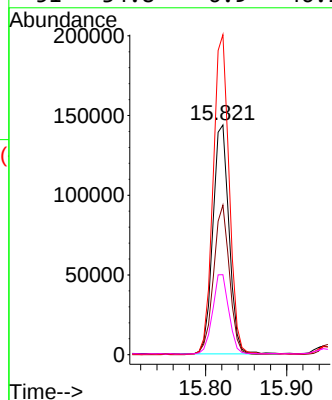
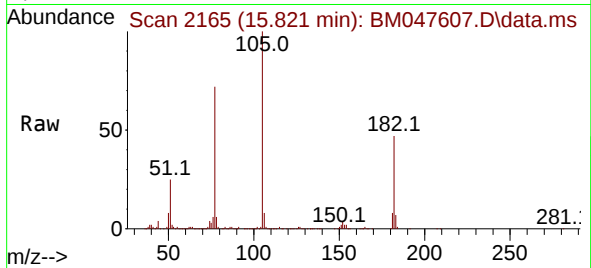




#63
Azobenzene
Concen: 3.207 ng
RT: 15.821 min Scan# 2165
Delta R.T. 0.018 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

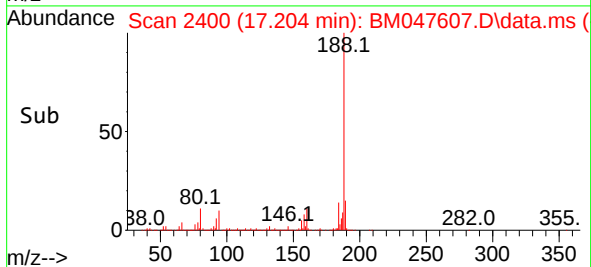
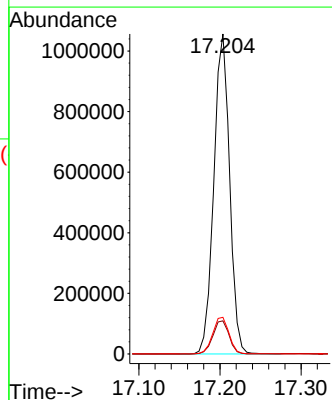
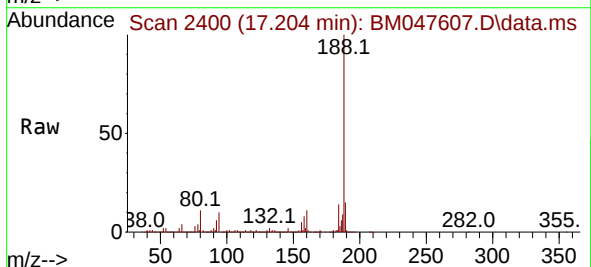
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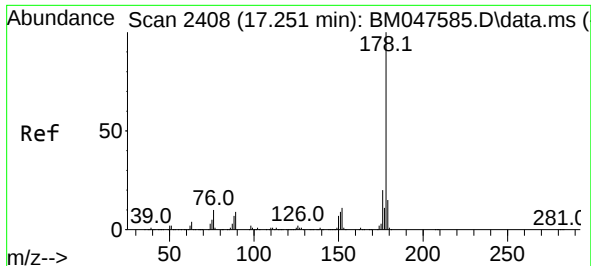
Tgt Ion: 77 Resp: 198638
Ion Ratio Lower Upper
77 100
182 65.1 0.0 38.2#
105 139.3 0.0 38.8#
51 34.8 6.9 46.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.005 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:188 Resp: 1424186
Ion Ratio Lower Upper
188 100
94 10.4 8.6 13.0
80 11.4 9.9 14.9

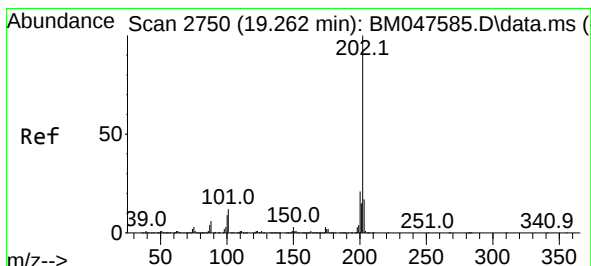
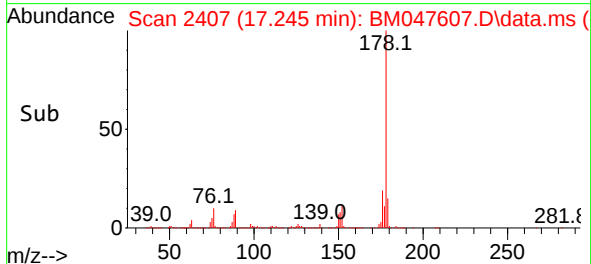
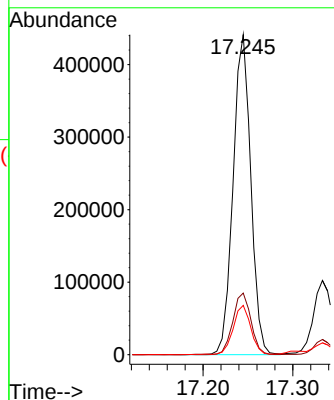
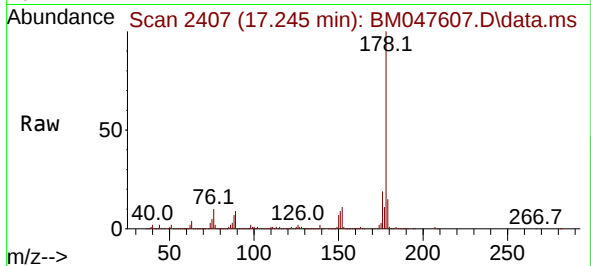




#71
Phenanthrene
Concen: 7.815 ng
RT: 17.245 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

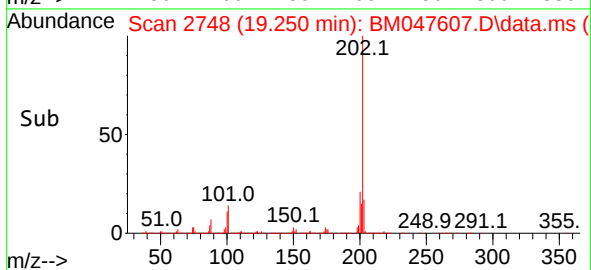
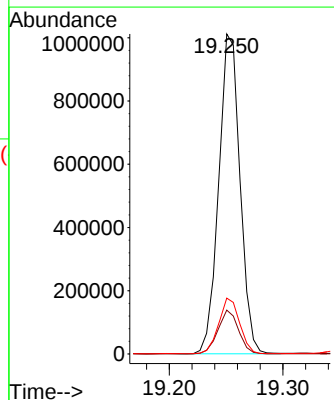
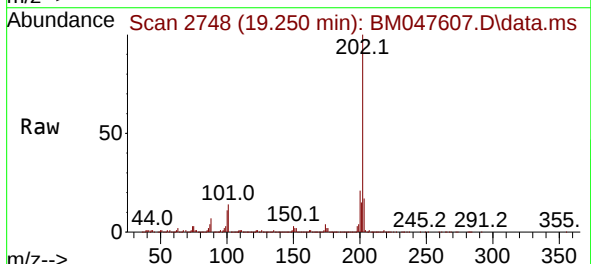
Instrument :
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LIBERTY-AVE-TP-COMP

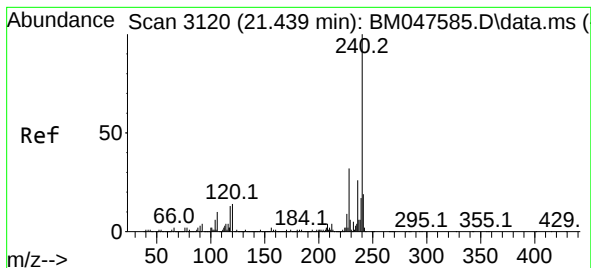
Tgt Ion:178 Resp: 604130
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.4 12.2 18.2



#75
Fluoranthene
Concen: 15.476 ng
RT: 19.250 min Scan# 2748
Delta R.T. -0.012 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:202 Resp: 1317029
Ion Ratio Lower Upper
202 100
101 13.7 0.0 32.2
203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Instrument :

BNA_M

ClientSampleId :

LIBERTY-AVE-TP-COMP

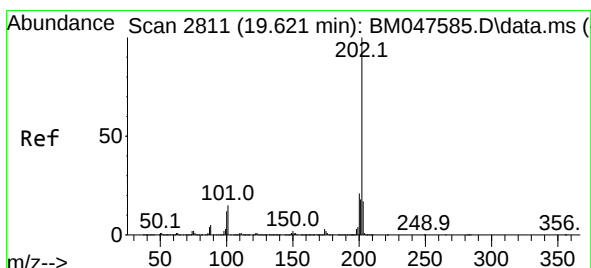
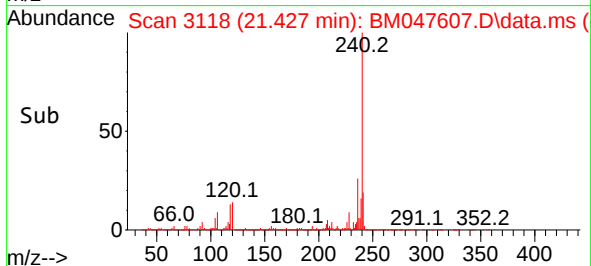
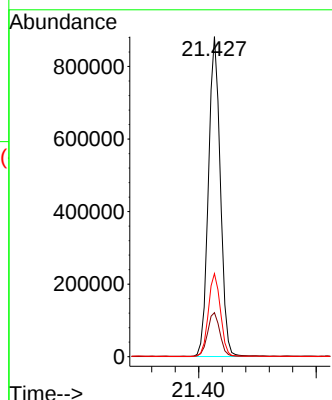
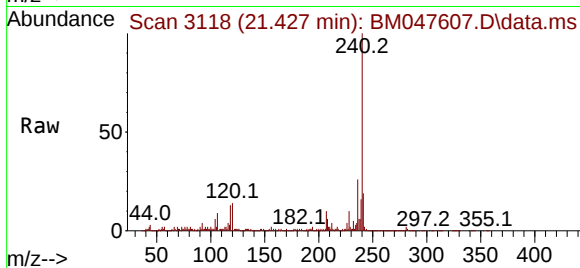
Tgt Ion:240 Resp: 1243588

Ion Ratio Lower Upper

240 100

120 13.8 10.8 16.2

236 25.9 20.8 31.2



#78

Pyrene

Concen: 13.891 ng

RT: 19.615 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

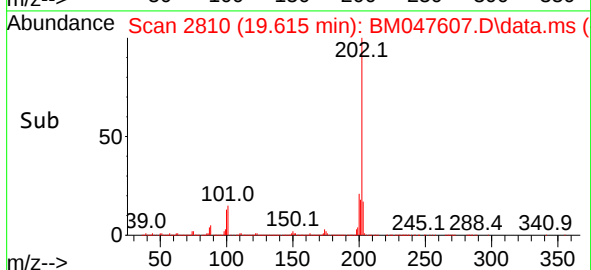
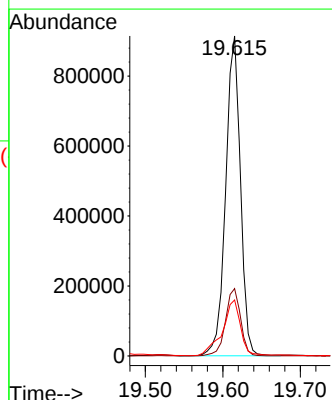
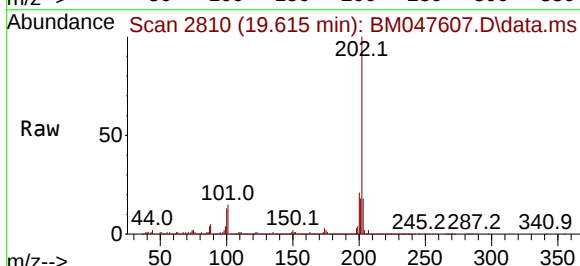
Tgt Ion:202 Resp: 1209094

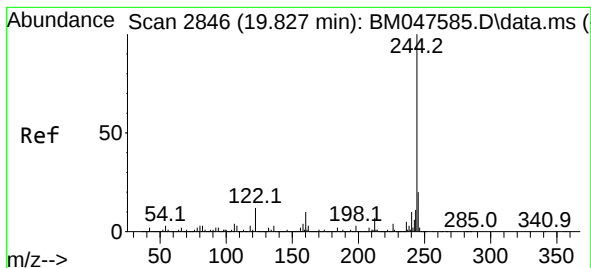
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.5 13.8 20.8





#79

Terphenyl-d14

Concen: 59.785 ng

RT: 19.821 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Instrument :

BNA_M

ClientSampleId :

LIBERTY-AVE-TP-COMP

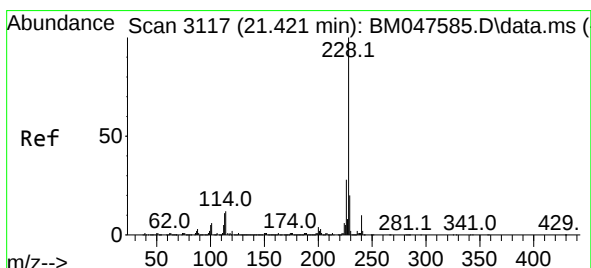
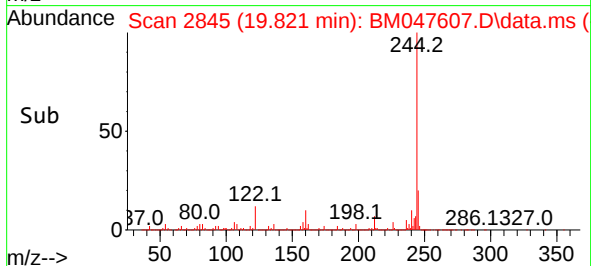
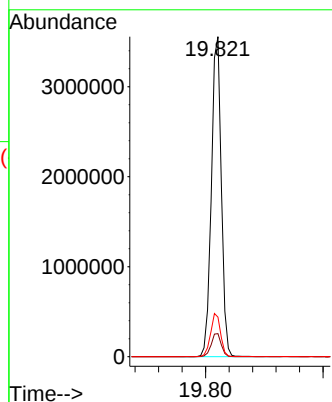
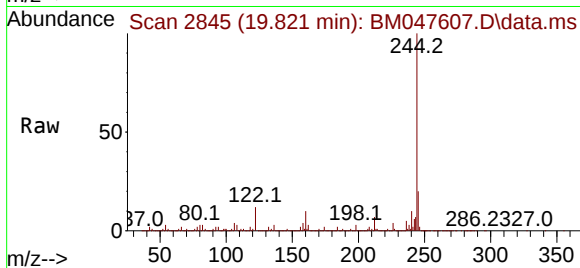
Tgt Ion:244 Resp: 4143615

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 12.3 10.0 15.0



#81

Benzo(a)anthracene

Concen: 6.740 ng

RT: 21.409 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

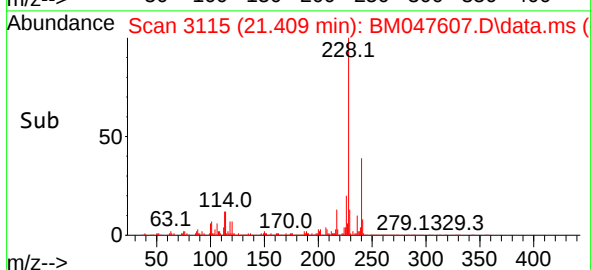
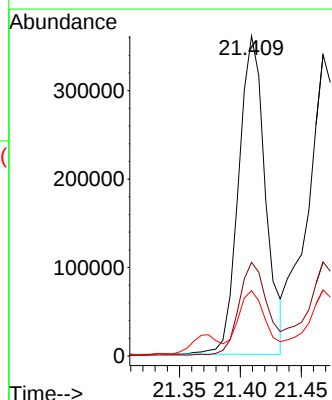
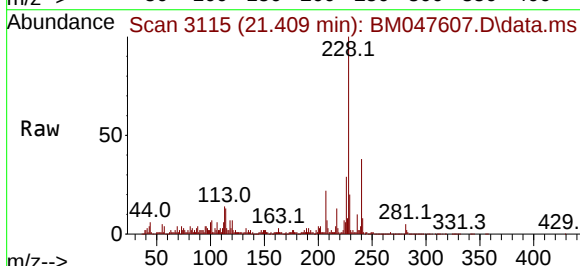
Tgt Ion:228 Resp: 551106

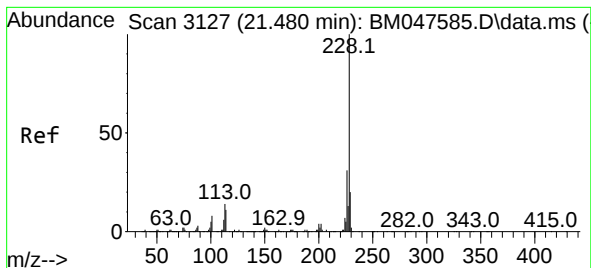
Ion Ratio Lower Upper

228 100

226 29.3 22.4 33.6

229 20.4 16.0 24.0





#83

Chrysene

Concen: 7.823 ng

RT: 21.468 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Instrument :

BNA_M

ClientSampleId :

LIBERTY-AVE-TP-COMP

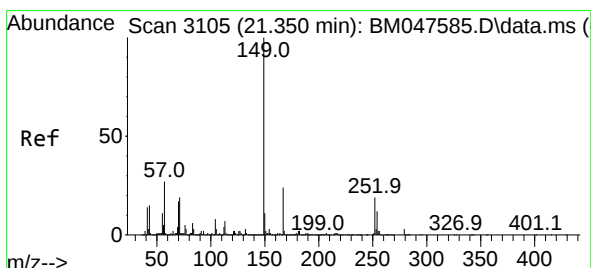
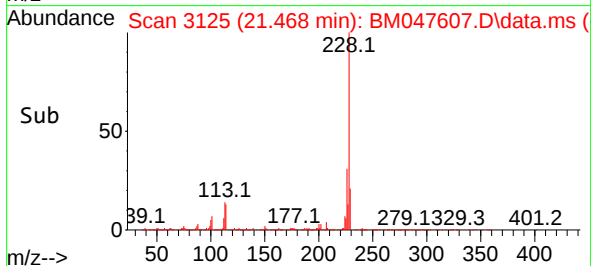
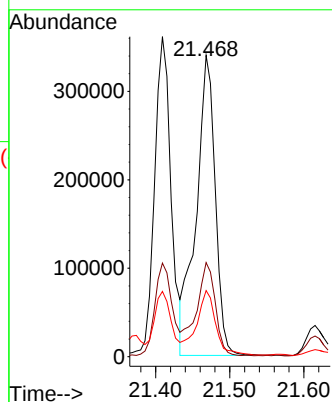
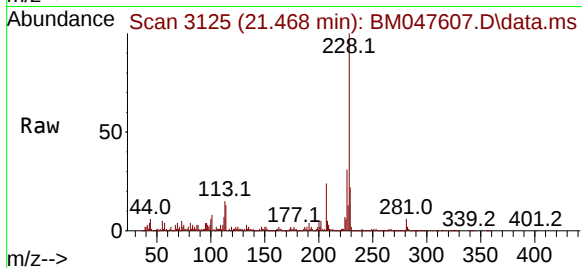
Tgt Ion:228 Resp: 608362

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

229 21.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.116 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.012 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

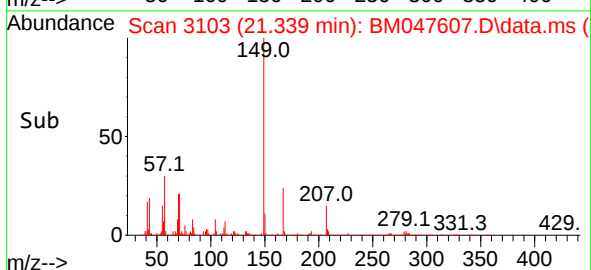
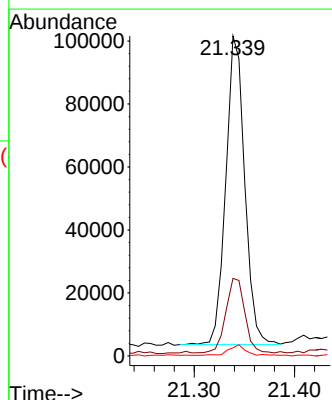
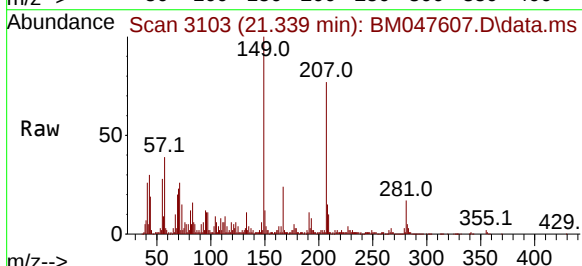
Tgt Ion:149 Resp: 128273

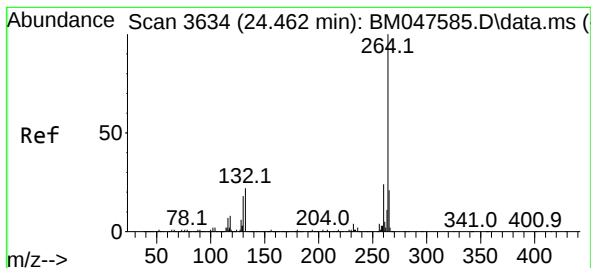
Ion Ratio Lower Upper

149 100

167 24.2 19.5 29.3

279 2.6 2.3 3.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.450 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Instrument :

BNA_M

ClientSampleId :

LIBERTY-AVE-TP-COMP

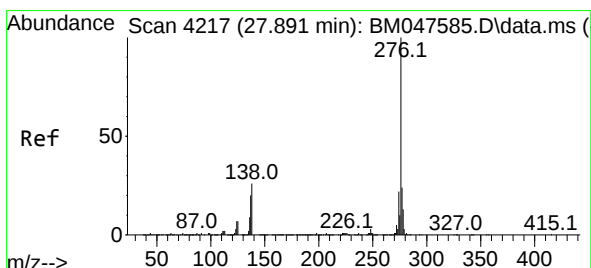
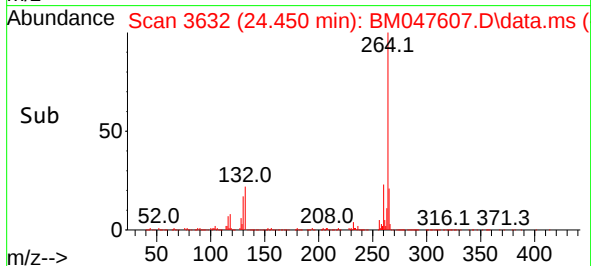
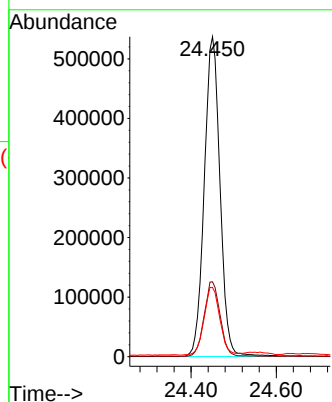
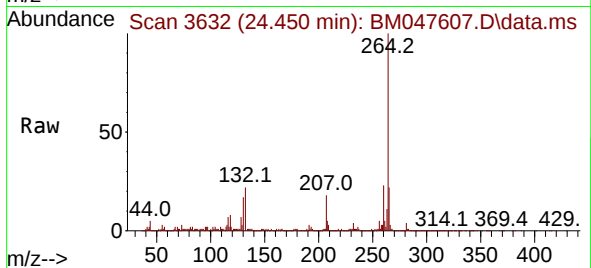
Tgt Ion:264 Resp: 1374013

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.033 ng

RT: 27.856 min Scan# 4211

Delta R.T. -0.035 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

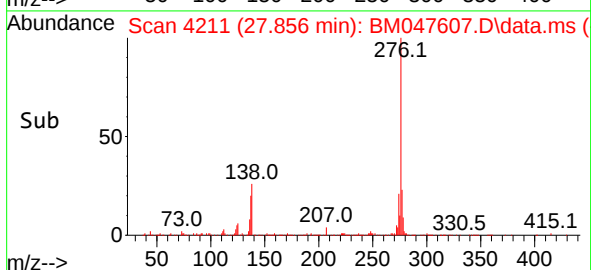
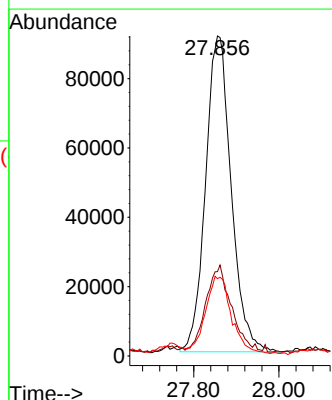
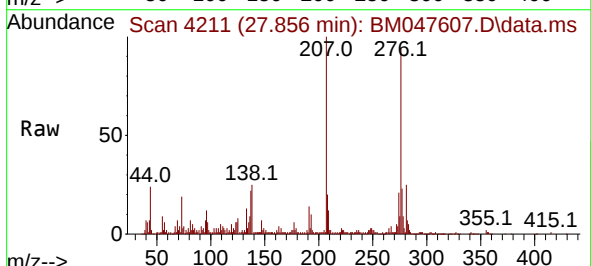
Tgt Ion:276 Resp: 381058

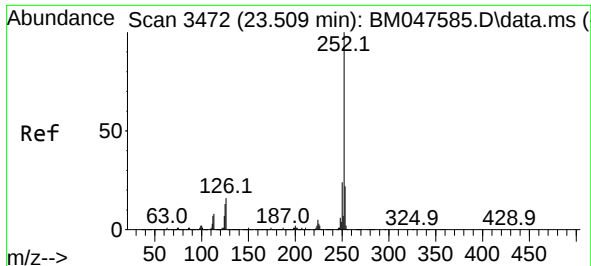
Ion Ratio Lower Upper

276 100

138 27.7 18.1 27.1#

277 24.7 20.0 30.0

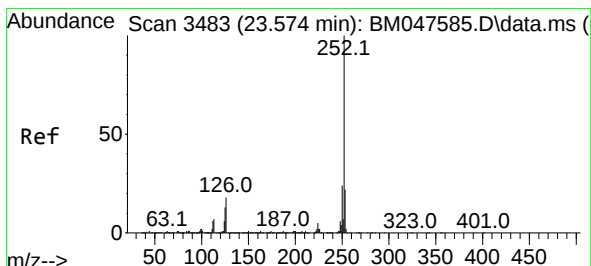
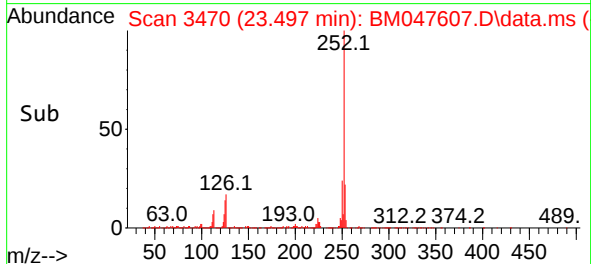
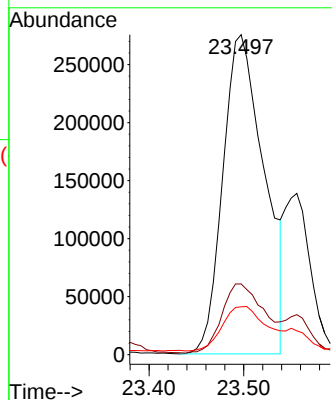
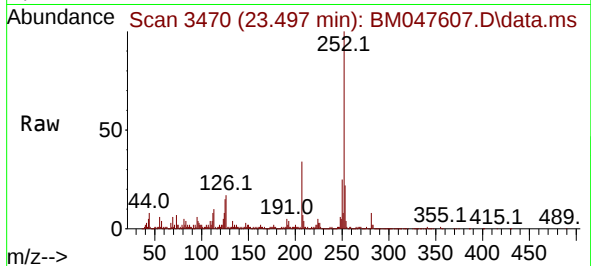




#88
Benzo(b)fluoranthene
Concen: 9.661 ng
RT: 23.497 min Scan# 3470
Delta R.T. -0.012 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

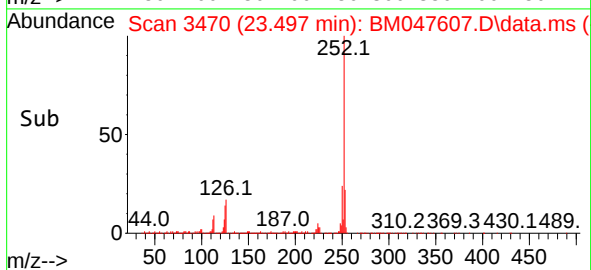
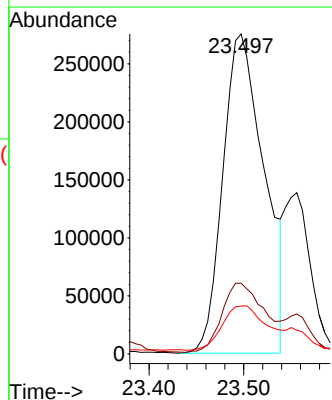
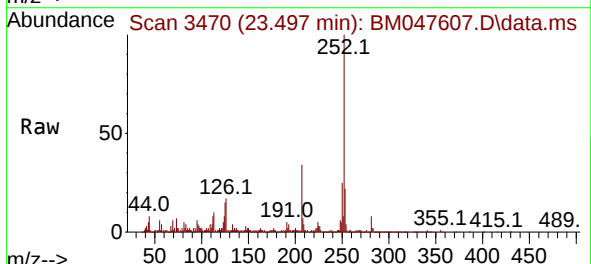
Instrument :
BNA_M
ClientSampleId :
LIBERTY-AVE-TP-COMP

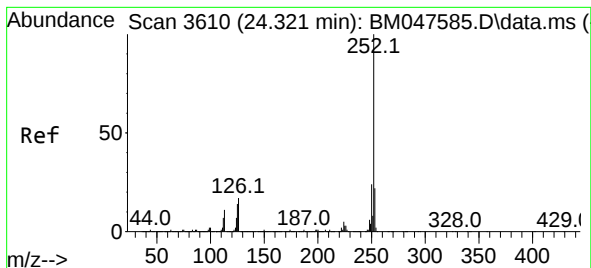
Tgt Ion:252 Resp: 834321
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 14.9 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 9.842 ng
RT: 23.497 min Scan# 3470
Delta R.T. -0.076 min
Lab File: BM047607.D
Acq: 23 Sep 2024 17:03

Tgt Ion:252 Resp: 834321
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 14.9 10.2 15.4





#90

Benzo(a)pyrene

Concen: 7.242 ng

RT: 24.303 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Instrument :

BNA_M

ClientSampleId :

LIBERTY-AVE-TP-COMP

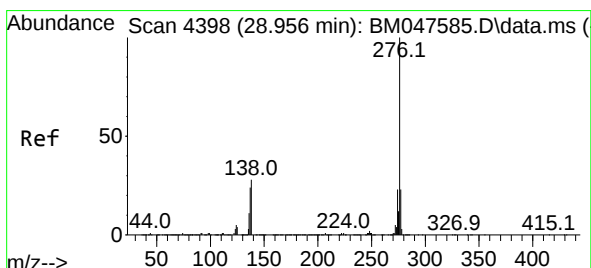
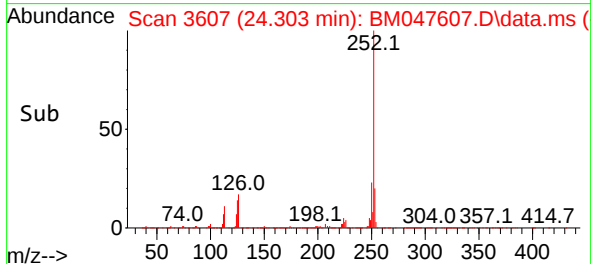
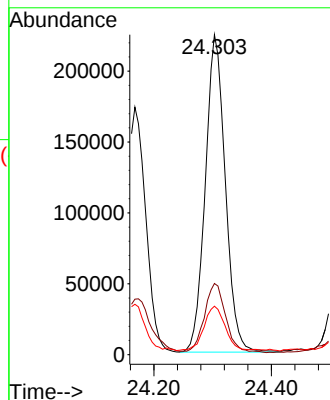
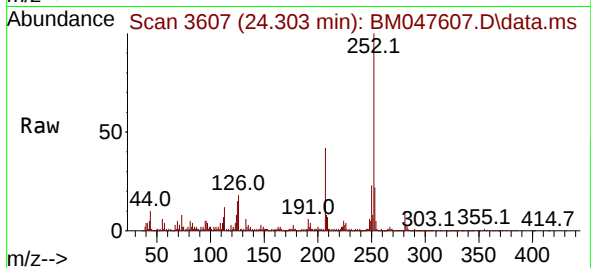
Tgt Ion:252 Resp: 530253

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 15.1 11.5 17.3



#92

Benzo(g,h,i)perylene

Concen: 5.487 ng

RT: 28.915 min Scan# 4391

Delta R.T. -0.041 min

Lab File: BM047607.D

Acq: 23 Sep 2024 17:03

Tgt Ion:276 Resp: 433955

Ion Ratio Lower Upper

276 100

277 24.6 18.3 27.5

138 30.2 22.3 33.5

