

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047368.D
 Acq On : 27 Aug 2024 17:58
 Operator : RC/JU
 Sample : P3737-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

Quant Time: Aug 28 02:30:38 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)

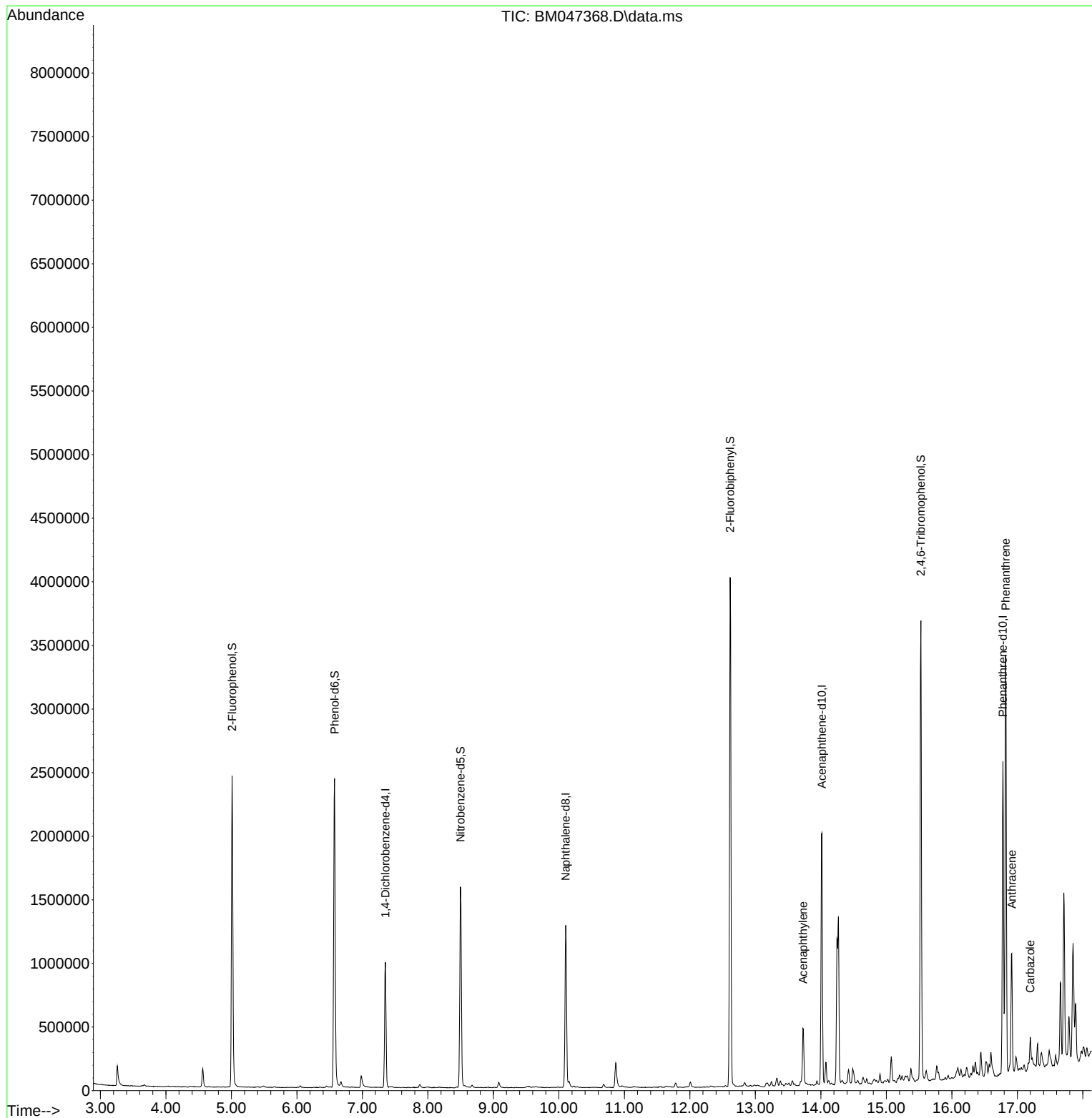
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	278825	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1067981	20.000	ng	0.00
39) Acenaphthene-d10	14.016	164	725015	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1451921	20.000	ng	0.00
76) Chrysene-d12	21.027	240	918442	20.000	ng	0.00
86) Perylene-d12	23.733	264	1078388	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1138438	78.334	ng	0.00
7) Phenol-d6	6.575	99	1504355	75.986	ng	0.00
23) Nitrobenzene-d5	8.498	82	968754	50.331	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	670030	76.599	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2222432	47.099	ng	0.00
79) Terphenyl-d14	19.451	244	2772721	53.736	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.727	152	347937	6.034	ng	98
71) Phenanthrene	16.821	178	2030881	28.802	ng	100
72) Anthracene	16.915	178	597013	8.685	ng	100
73) Carbazole	17.198	167	154504	2.342	ng	98
75) Fluoranthene	18.862	202	3986900	48.155	ng	100
78) Pyrene	19.227	202	3640614	51.683	ng	100
81) Benzo(a)anthracene	21.009	228	1806682	30.164	ng	97
83) Chrysene	21.068	228	1627324	28.883	ng	98
87) Indeno(1,2,3-cd)pyrene	26.738	276	1033279	15.306	ng	97
88) Benzo(b)fluoranthene	22.886	252	2053944	32.646	ng	98
89) Benzo(k)fluoranthene	22.939	252	758935m	12.725	ng	
90) Benzo(a)pyrene	23.603	252	1514159	27.830	ng	97
91) Dibenzo(a,h)anthracene	26.768	278	294384	5.383	ng	# 86
92) Benzo(g,h,i)perylene	27.674	276	963384	16.945	ng	99

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

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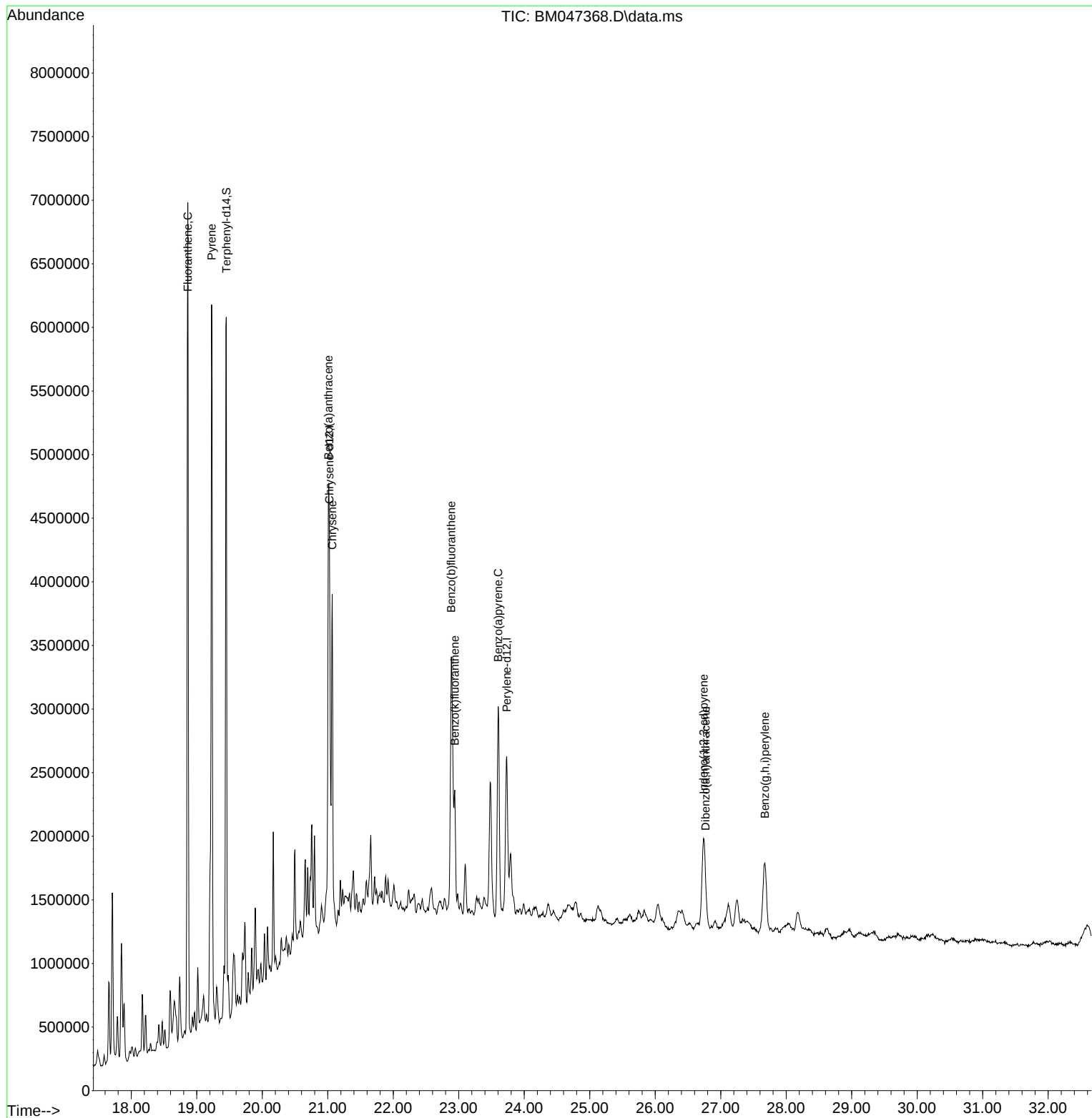
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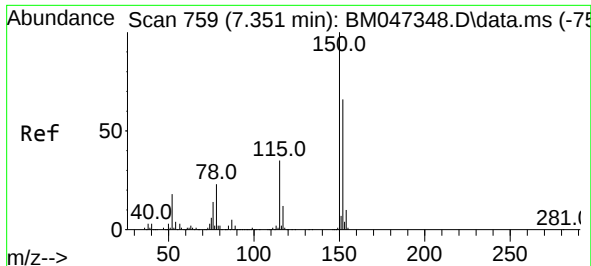


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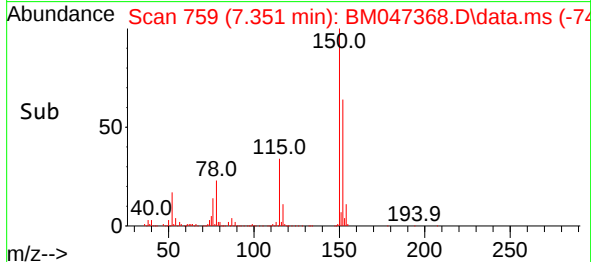
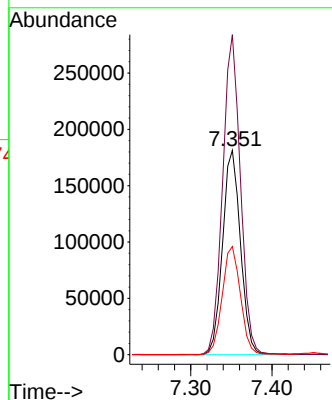
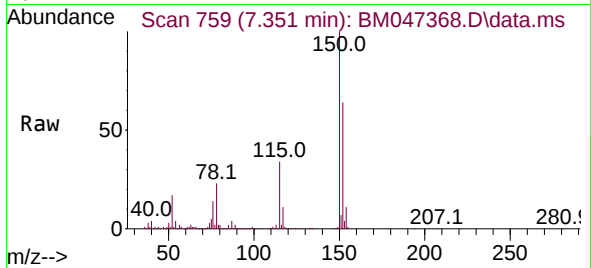




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

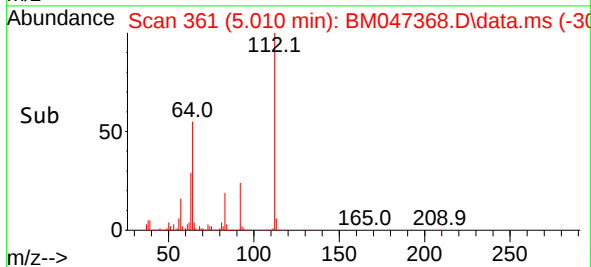
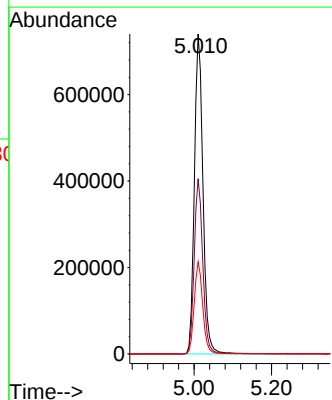
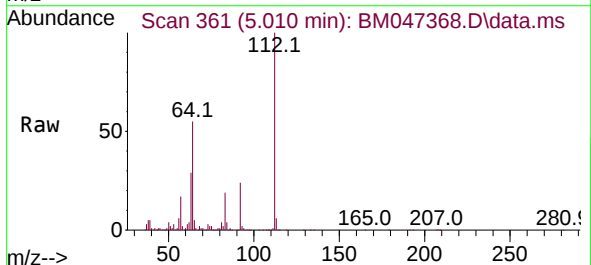
Instrument :
BNA_M
ClientSampleId :
COMP-2

Tgt Ion:152 Resp: 278825
Ion Ratio Lower Upper
152 100
150 156.7 121.3 181.9
115 52.9 42.6 64.0



#5
2-Fluorophenol
Concen: 78.334 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion:112 Resp: 1138438
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 28.8 23.8 35.8

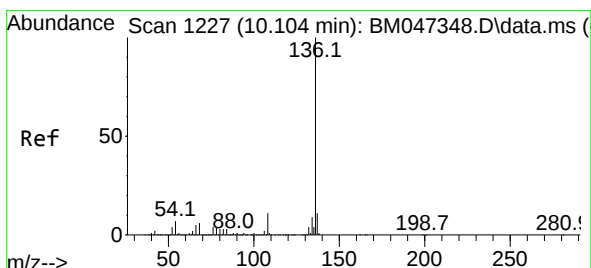
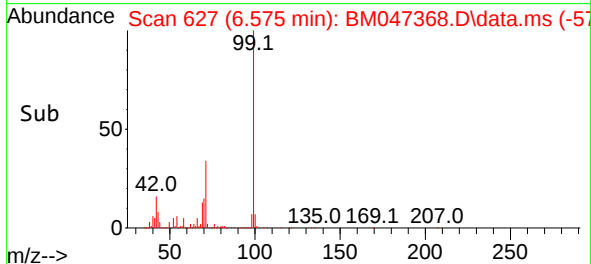
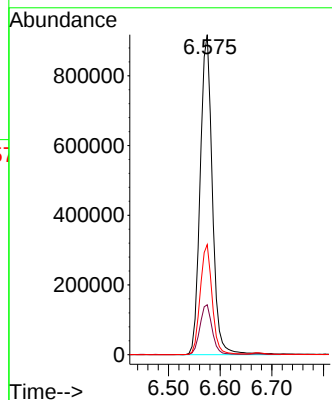
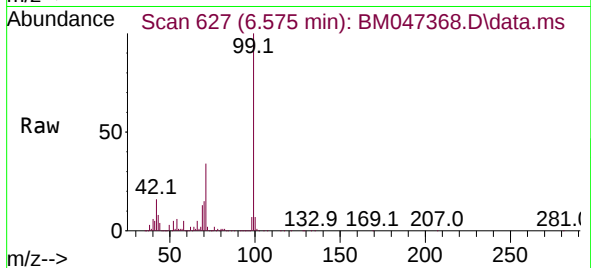




#7
Phenol-d6
Concen: 75.986 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

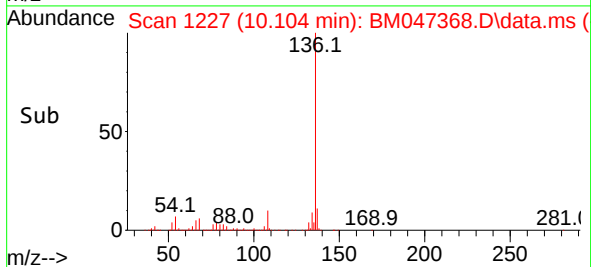
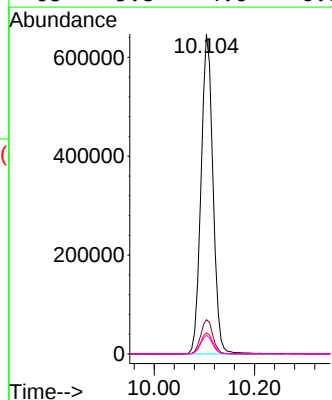
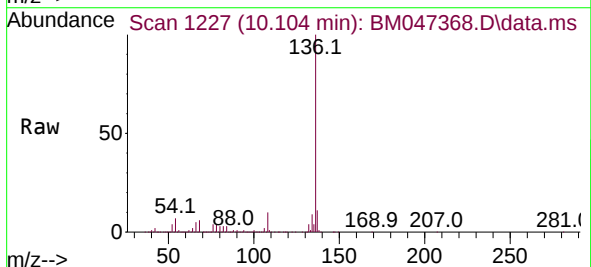
Instrument :
BNA_M
ClientSampleId :
COMP-2

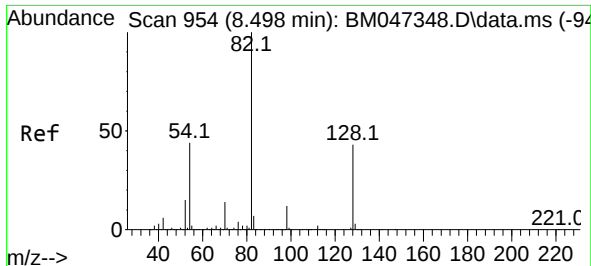
Tgt Ion: 99 Resp: 1504355
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 34.4 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion: 136 Resp: 1067981
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.5 5.2 7.8
68 5.8 4.6 6.8

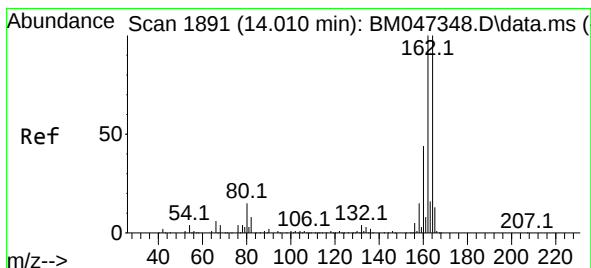
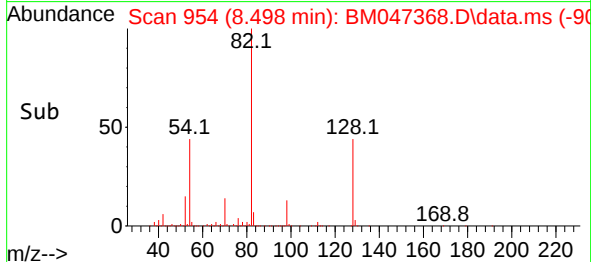
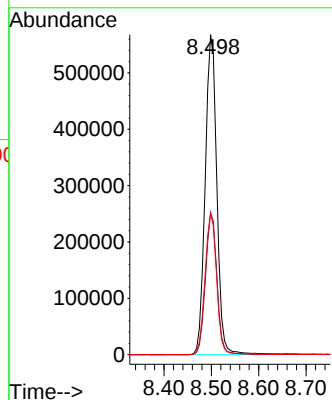
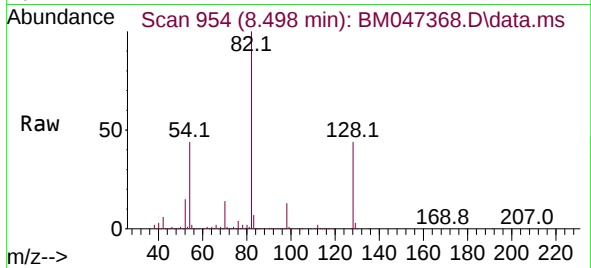




#23
Nitrobenzene-d5
Concen: 50.331 ng
RT: 8.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

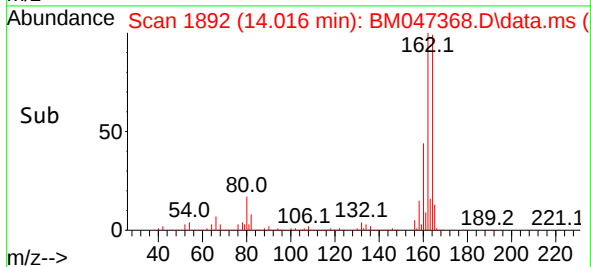
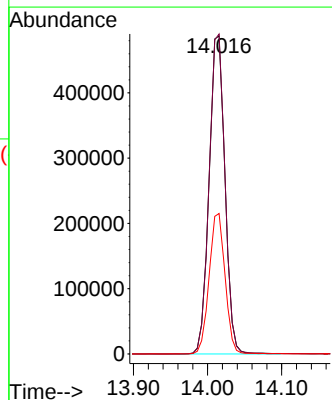
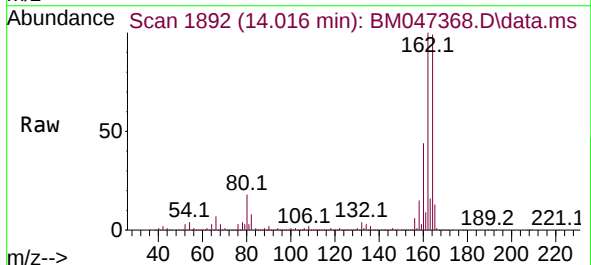
Instrument :
BNA_M
ClientSampleId :
COMP-2

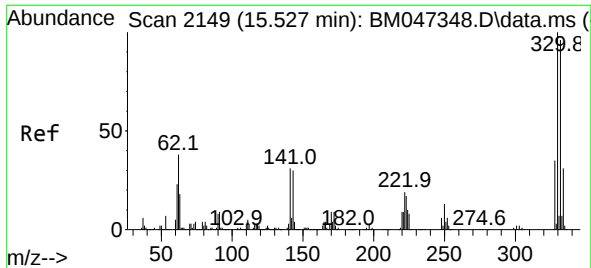
Tgt Ion: 82 Resp: 968754
Ion Ratio Lower Upper
82 100
128 44.3 34.6 51.8
54 44.4 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. 0.006 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion: 164 Resp: 725015
Ion Ratio Lower Upper
164 100
162 100.6 79.7 119.5
160 44.2 34.9 52.3

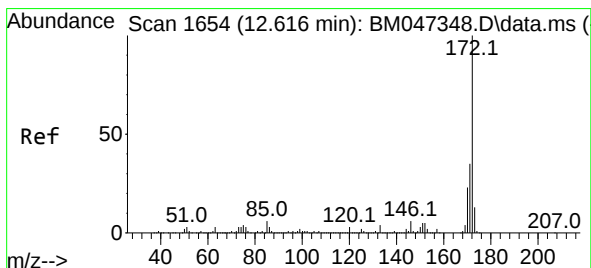
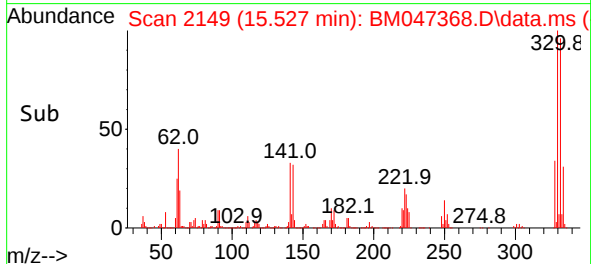
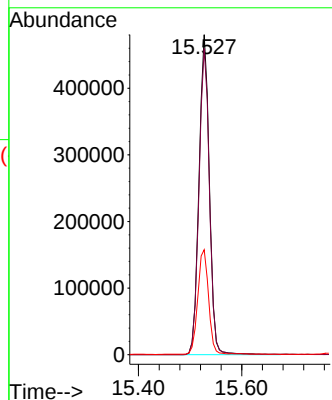
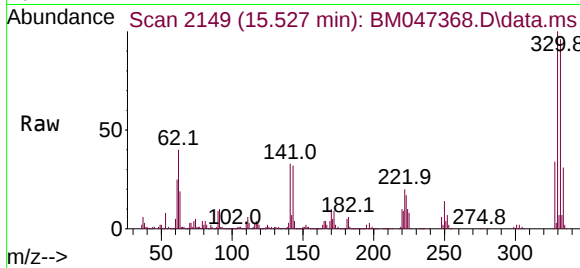




#42
2,4,6-Tribromophenol
Concen: 76.599 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

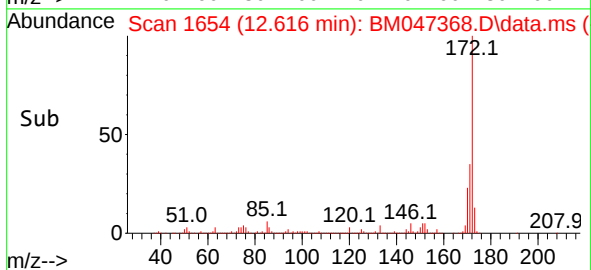
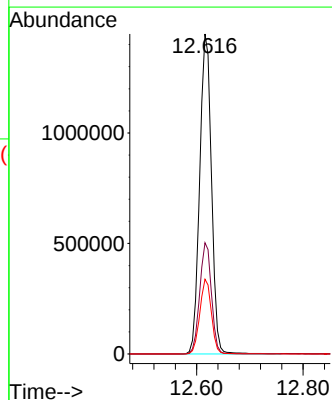
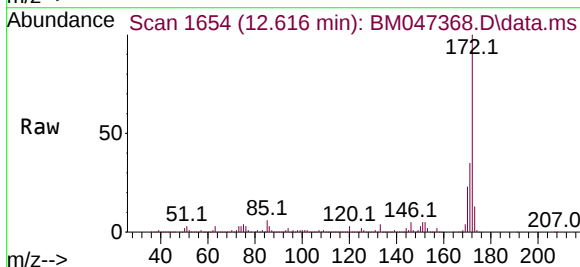
Instrument :
BNA_M
ClientSampleId :
COMP-2

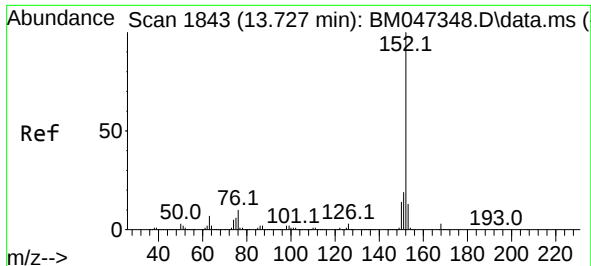
Tgt Ion:330 Resp: 670030
Ion Ratio Lower Upper
330 100
332 96.3 77.2 115.8
141 33.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 47.099 ng
RT: 12.616 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion:172 Resp: 2222432
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.4 18.5 27.7

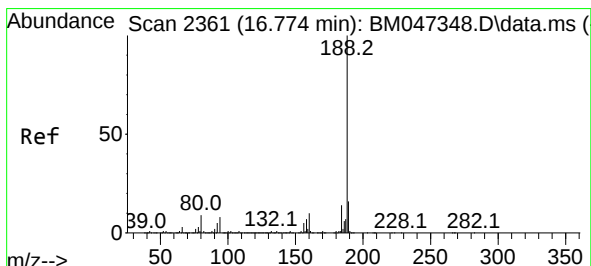
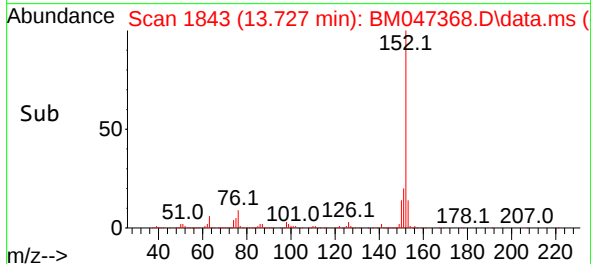
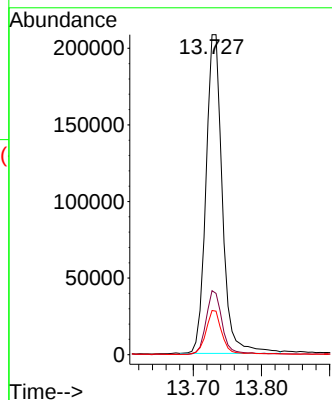
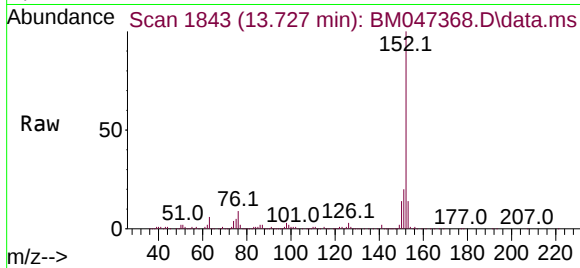




#49
Acenaphthylene
Concen: 6.034 ng
RT: 13.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

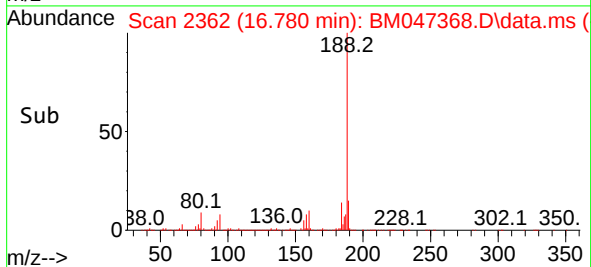
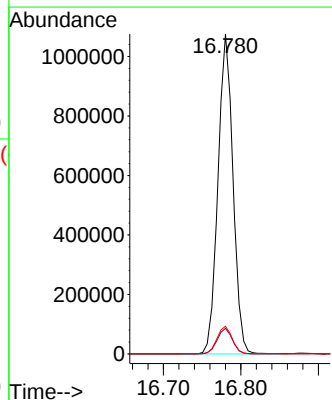
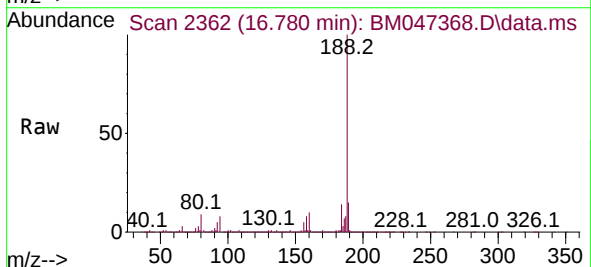
Instrument :
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ClientSampleId :
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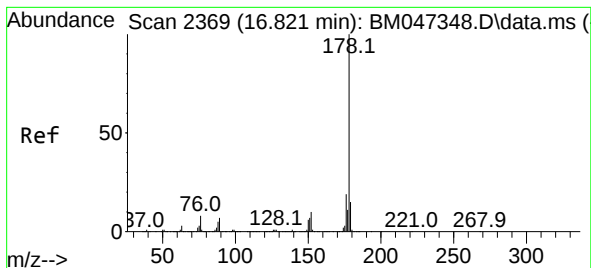
Tgt Ion:152 Resp: 347937
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0
153 13.8 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion:188 Resp: 1451921
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.7 7.4 11.2





#71

Phenanthrene

Concen: 28.802 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

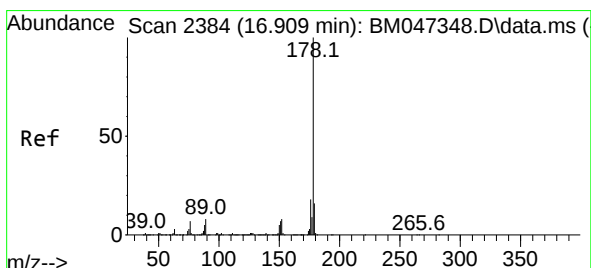
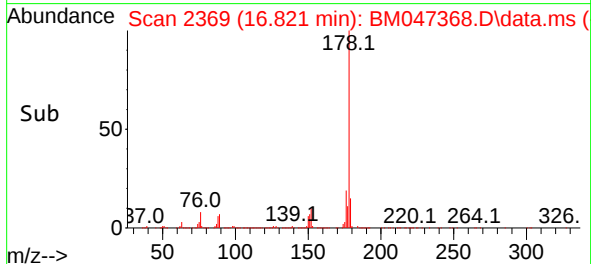
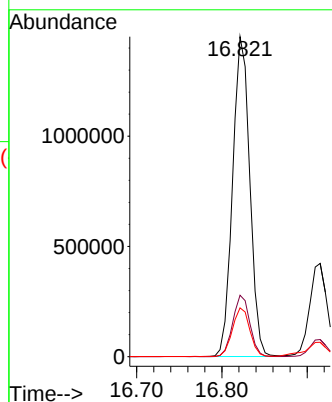
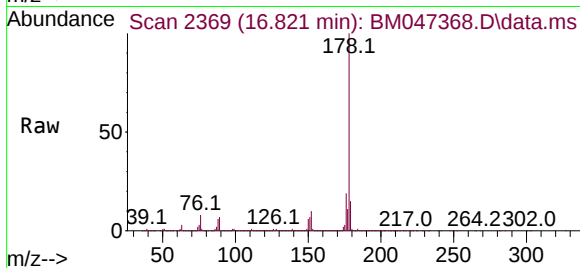
Tgt Ion:178 Resp: 2030881

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.2 12.2 18.4



#72

Anthracene

Concen: 8.685 ng

RT: 16.915 min Scan# 2385

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

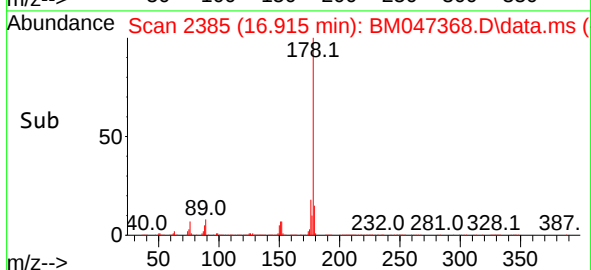
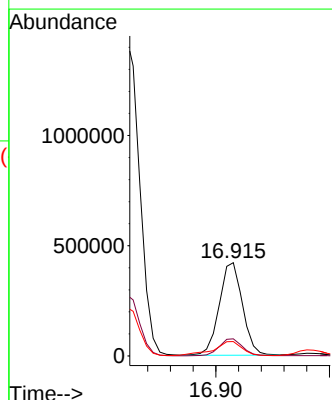
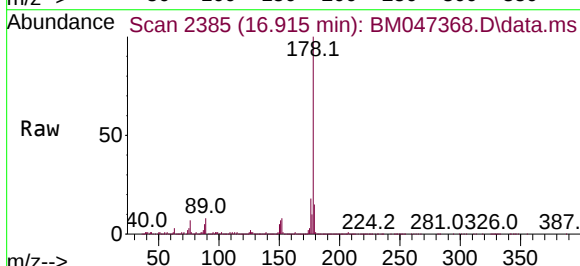
Tgt Ion:178 Resp: 597013

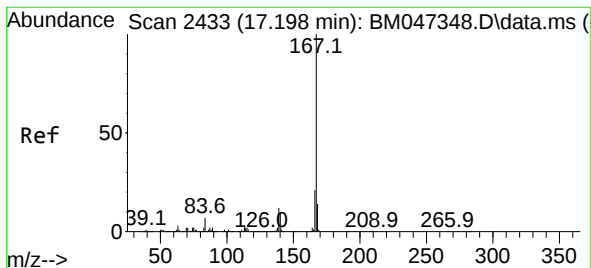
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.5 12.6 18.8





#73

Carbazole

Concen: 2.342 ng

RT: 17.198 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

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ClientSampleId :

COMP-2

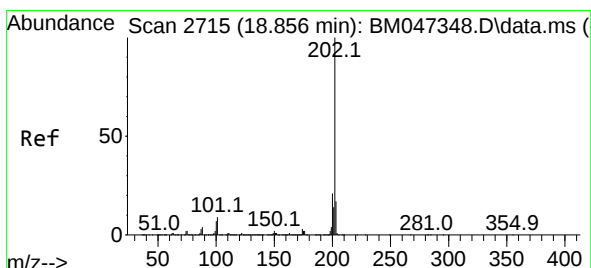
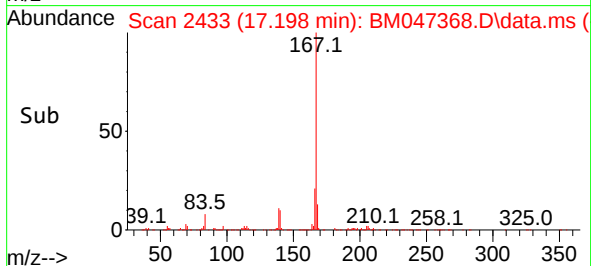
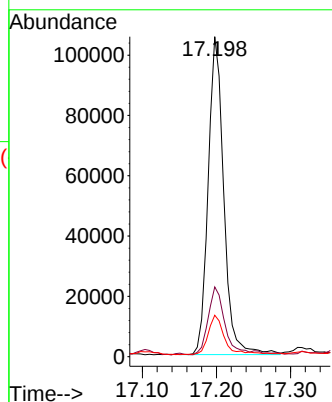
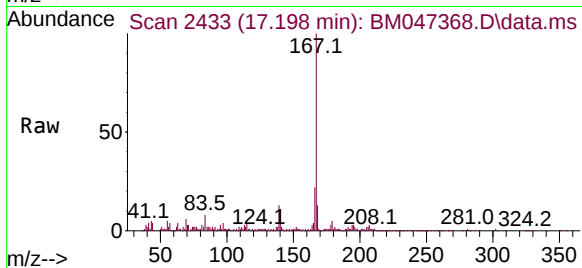
Tgt Ion:167 Resp: 154504

Ion Ratio Lower Upper

167 100

166 21.8 16.9 25.3

139 12.9 9.5 14.3



#75

Fluoranthene

Concen: 48.155 ng

RT: 18.862 min Scan# 2716

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

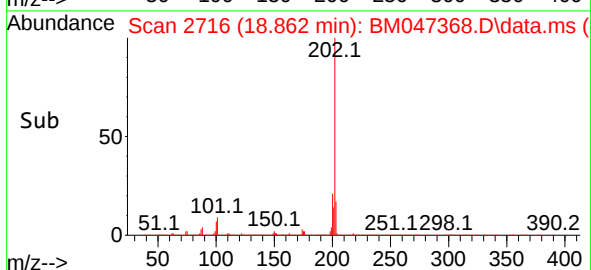
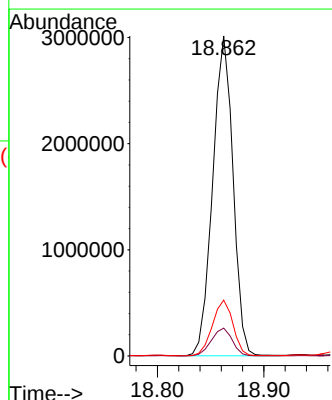
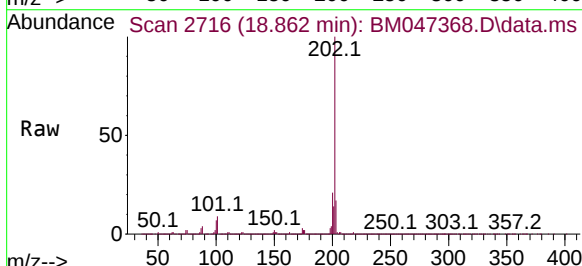
Tgt Ion:202 Resp: 3986900

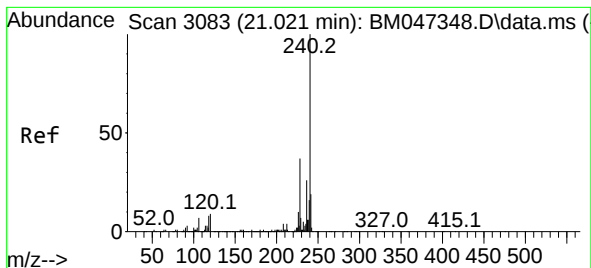
Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.0

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

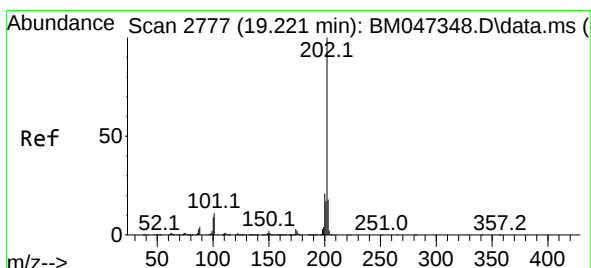
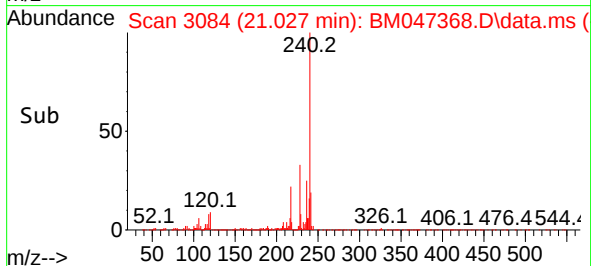
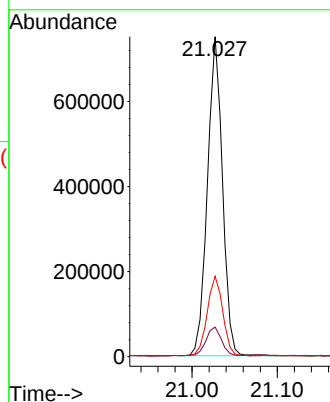
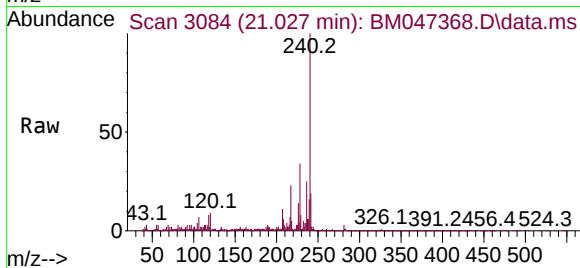
Tgt Ion:240 Resp: 918442

Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.0

236 25.2 20.8 31.2



#78

Pyrene

Concen: 51.683 ng

RT: 19.227 min Scan# 2778

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

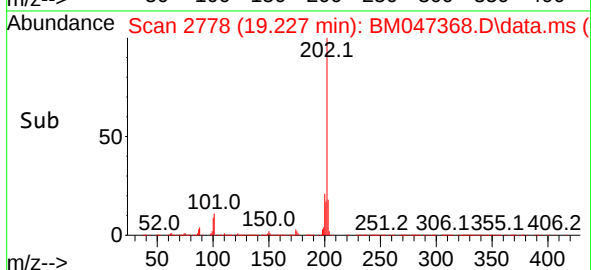
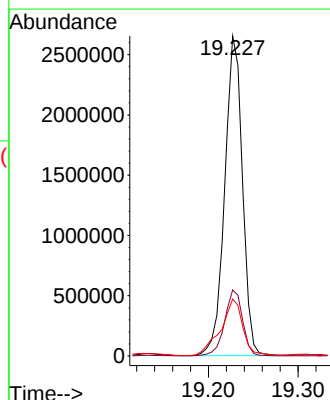
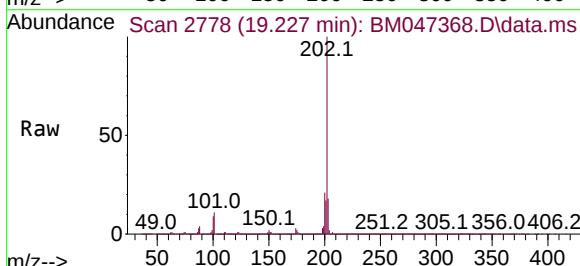
Tgt Ion:202 Resp: 3640614

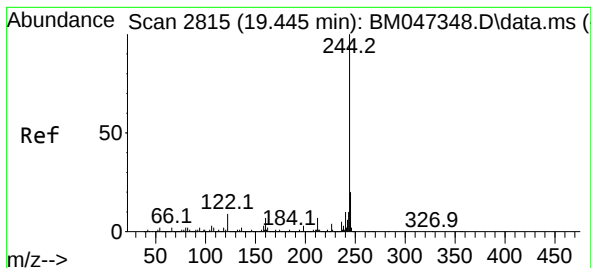
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 53.736 ng

RT: 19.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

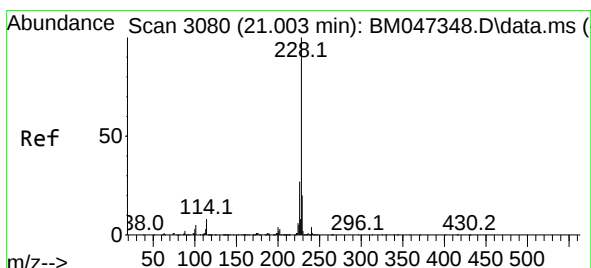
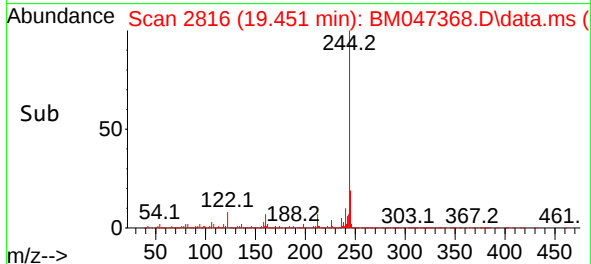
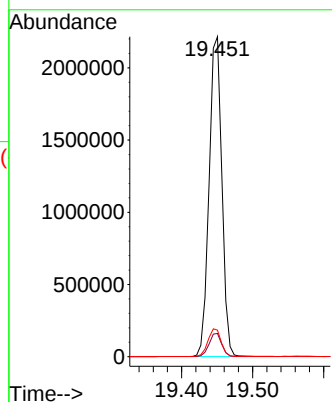
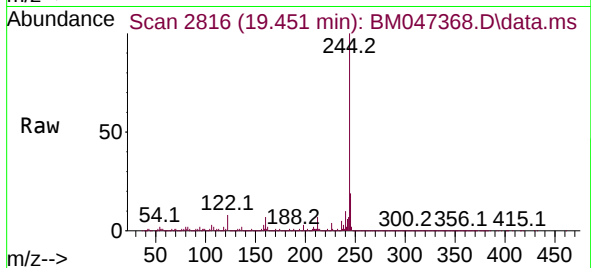
Tgt Ion:244 Resp: 2772721

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 8.3 7.0 10.4



#81

Benzo(a)anthracene

Concen: 30.164 ng

RT: 21.009 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

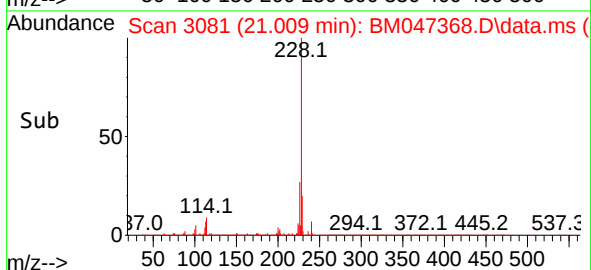
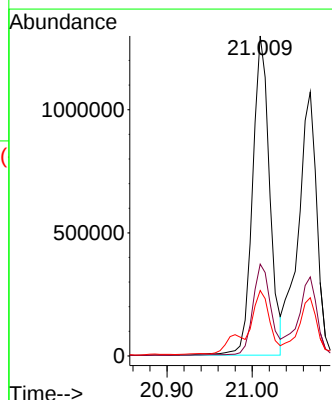
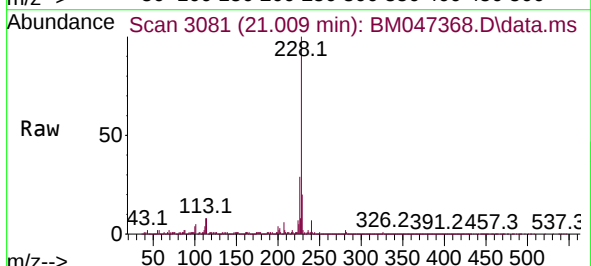
Tgt Ion:228 Resp: 1806682

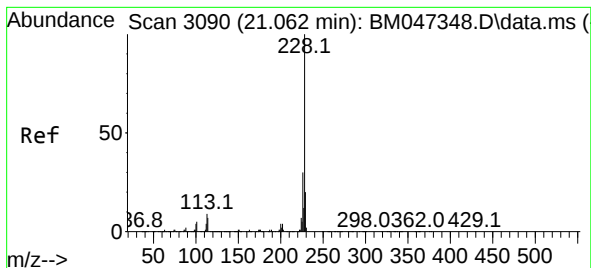
Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.0

229 20.5 15.8 23.8





#83

Chrysene

Concen: 28.883 ng

RT: 21.068 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

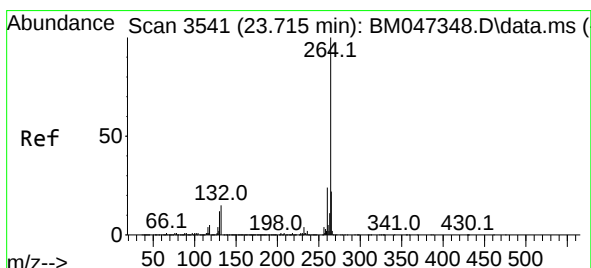
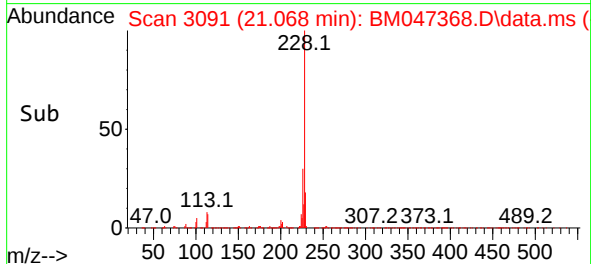
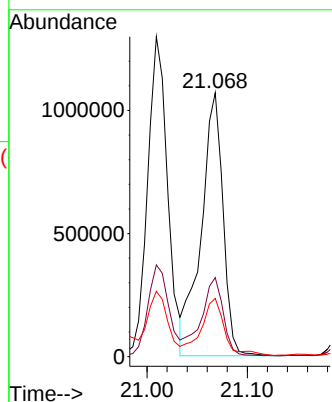
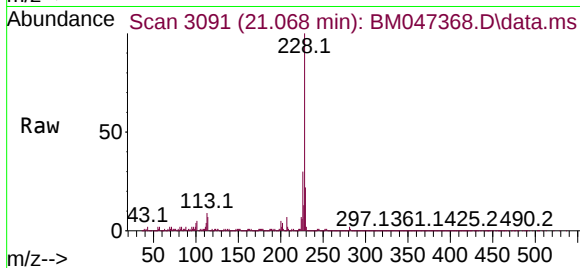
Tgt Ion:228 Resp: 1627324

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 22.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.733 min Scan# 3544

Delta R.T. 0.018 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

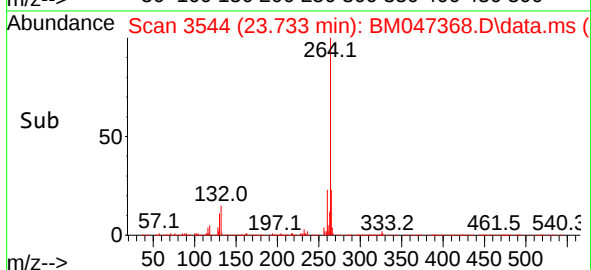
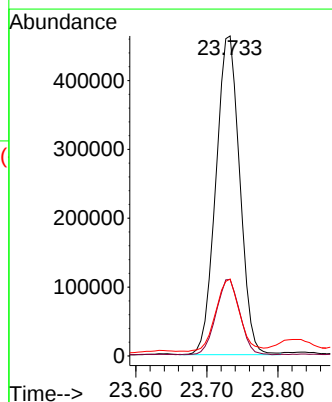
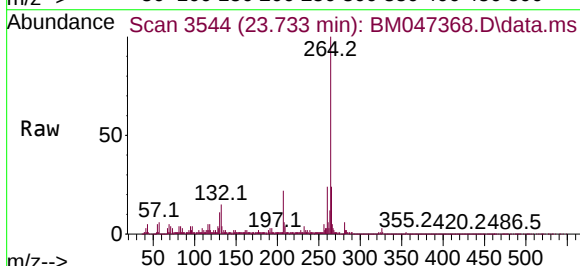
Tgt Ion:264 Resp: 1078388

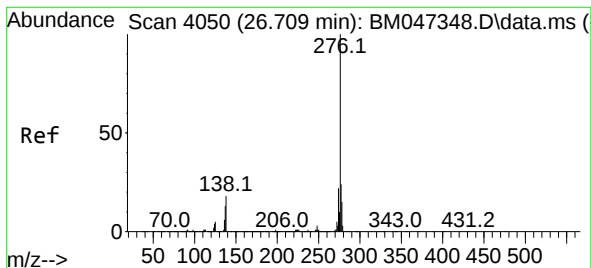
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 24.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.306 ng

RT: 26.738 min Scan# 40

Delta R.T. 0.029 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

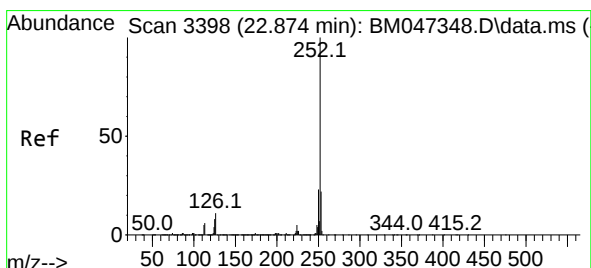
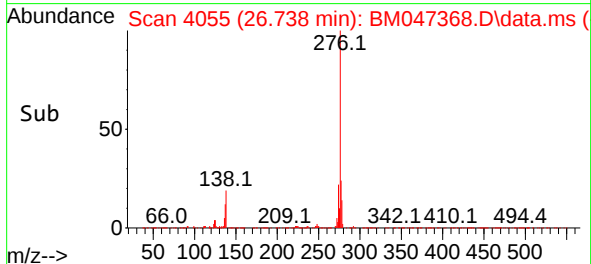
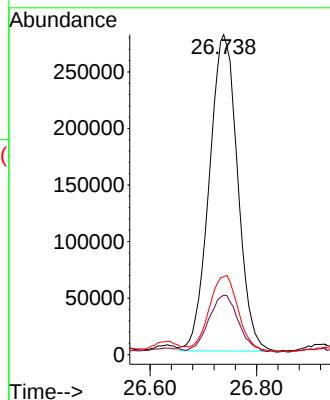
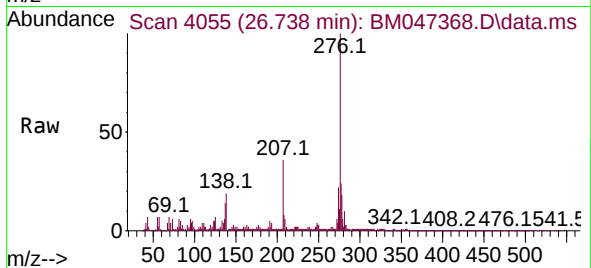
Tgt Ion:276 Resp: 1033279

Ion Ratio Lower Upper

276 100

138 19.1 17.7 26.5

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 32.646 ng

RT: 22.886 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

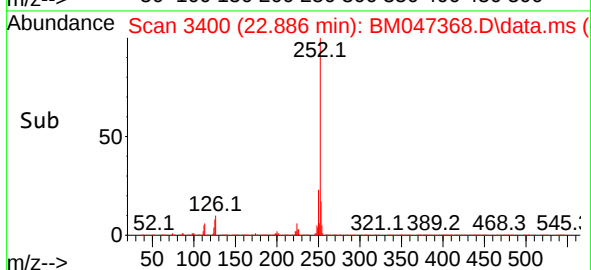
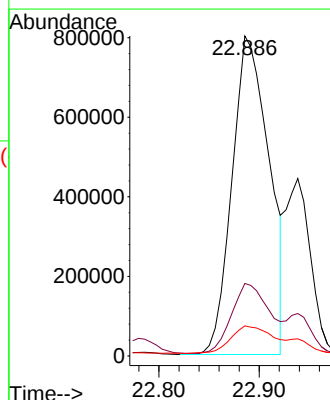
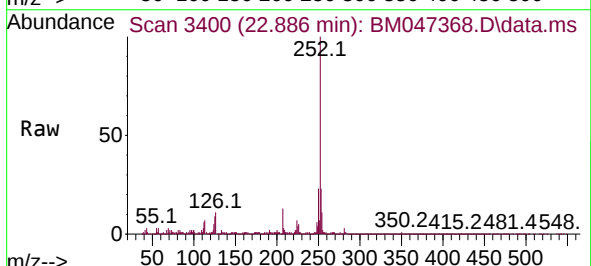
Tgt Ion:252 Resp: 2053944

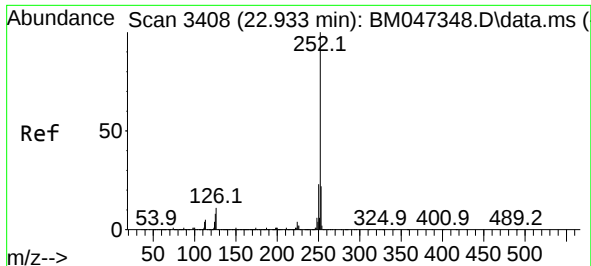
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 9.4 6.6 10.0

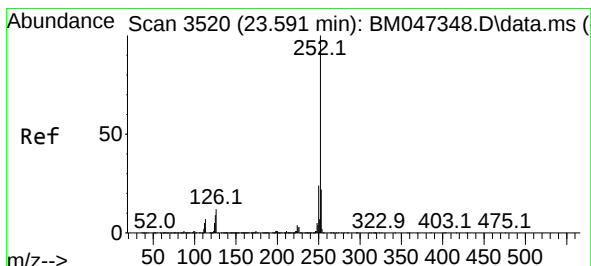
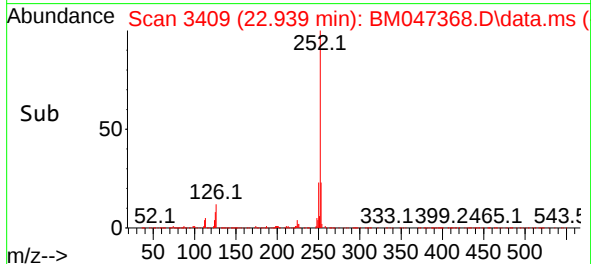
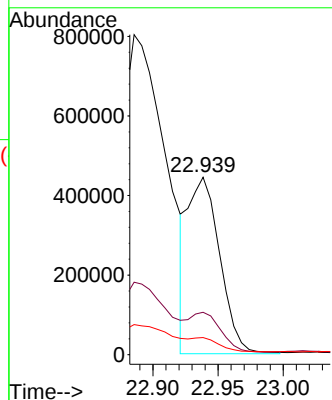
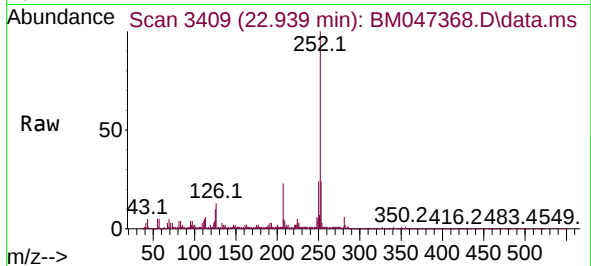




#89
Benzo(k)fluoranthene
Concen: 12.725 ng m
RT: 22.939 min Scan# 3409
Delta R.T. 0.006 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

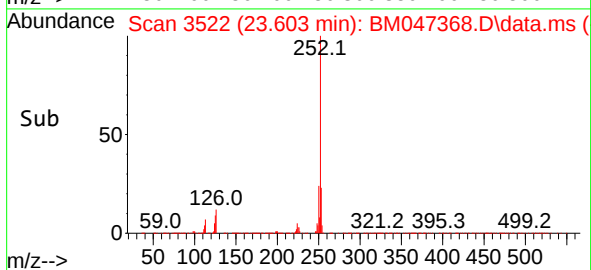
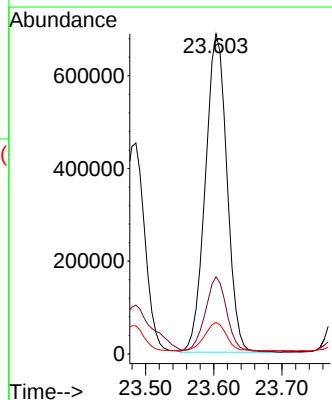
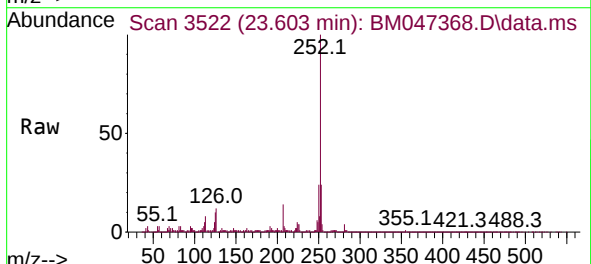
Instrument :
BNA_M
ClientSampleId :
COMP-2

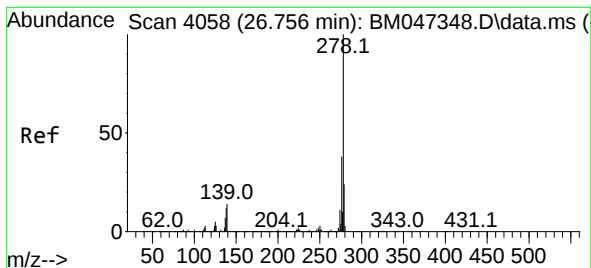
Tgt Ion:252 Resp: 758935
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 9.6 6.6 9.8



#90
Benzo(a)pyrene
Concen: 27.830 ng
RT: 23.603 min Scan# 3522
Delta R.T. 0.012 min
Lab File: BM047368.D
Acq: 27 Aug 2024 17:58

Tgt Ion:252 Resp: 1514159
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 9.9 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 5.383 ng

RT: 26.768 min Scan# 4058

Delta R.T. 0.012 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Instrument :

BNA_M

ClientSampleId :

COMP-2

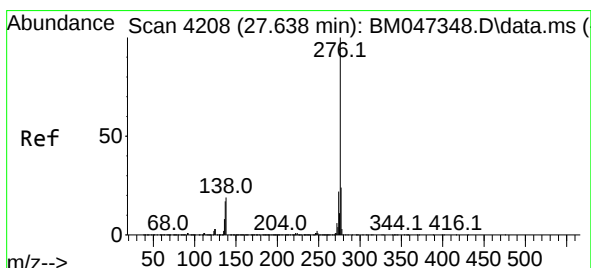
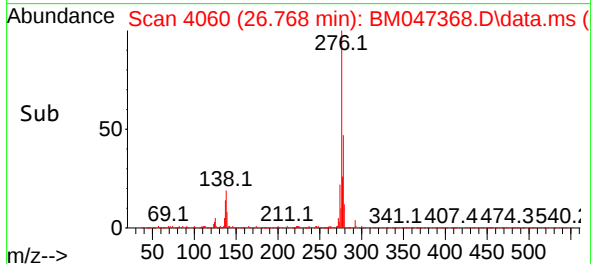
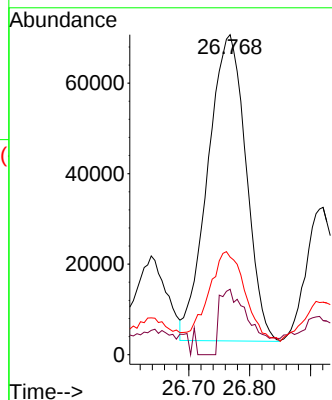
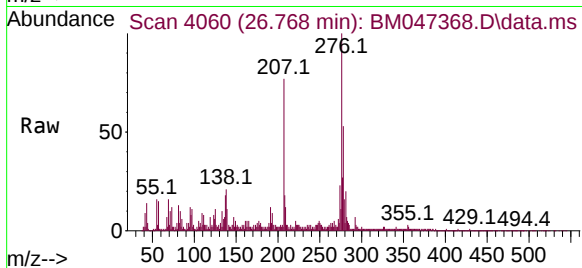
Tgt Ion:278 Resp: 294384

Ion Ratio Lower Upper

278 100

139 20.5 11.1 16.7#

279 30.5 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 16.945 ng

RT: 27.674 min Scan# 4214

Delta R.T. 0.035 min

Lab File: BM047368.D

Acq: 27 Aug 2024 17:58

Tgt Ion:276 Resp: 963384

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 18.9 15.0 22.6

