

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047365.D
 Acq On : 27 Aug 2024 15:57
 Operator : RC/JU
 Sample : P3745-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CM-SOIL-PILE

Quant Time: Aug 27 16:47:03 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)

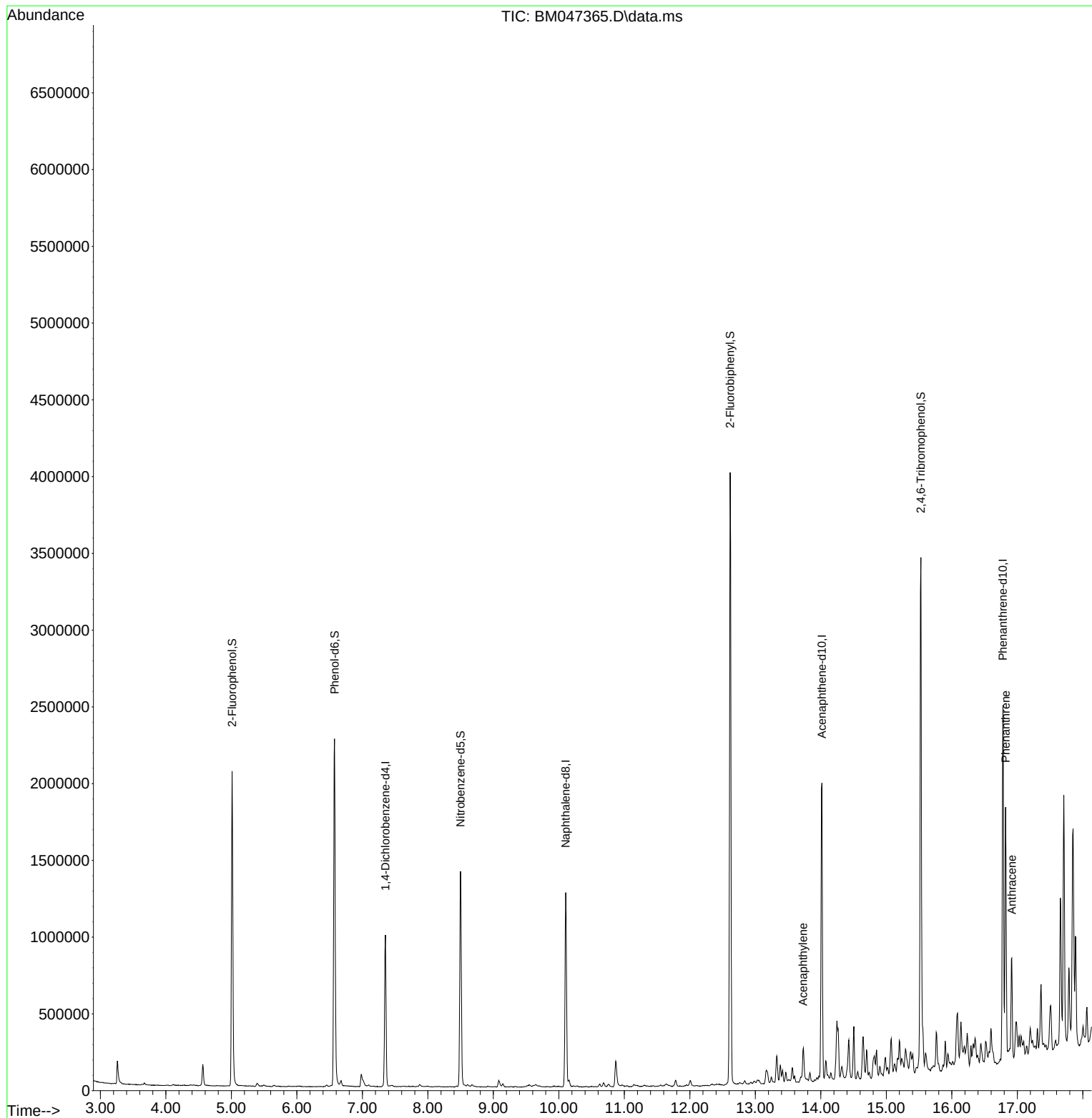
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	277956	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1053440	20.000	ng	0.00
39) Acenaphthene-d10	14.016	164	708654	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1399093	20.000	ng	0.00
76) Chrysene-d12	21.027	240	912846	20.000	ng	0.00
86) Perylene-d12	23.727	264	1077942	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	935078	64.543	ng	0.00
7) Phenol-d6	6.575	99	1402389	71.057	ng	0.00
23) Nitrobenzene-d5	8.498	82	840963	44.294	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	619136	72.415	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2189065	47.463	ng	0.00
79) Terphenyl-d14	19.451	244	2586678	50.438	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.727	152	156845	2.783	ng	99
71) Phenanthrene	16.821	178	1003285	14.766	ng	100
72) Anthracene	16.915	178	412460	6.227	ng	99
75) Fluoranthene	18.862	202	1482876	18.587	ng	100
78) Pyrene	19.227	202	2629544	37.558	ng	100
81) Benzo(a)anthracene	21.009	228	717920	12.060	ng	93
83) Chrysene	21.062	228	630156	11.253	ng	95
87) Indeno(1,2,3-cd)pyrene	26.727	276	353048	5.232	ng	96
88) Benzo(b)fluoranthene	22.886	252	618612	9.837	ng	# 95
89) Benzo(k)fluoranthene	22.933	252	190934m	3.203	ng	
90) Benzo(a)pyrene	23.597	252	661646	12.166	ng	98
92) Benzo(g,h,i)perylene	27.656	276	492812	8.671	ng	99

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

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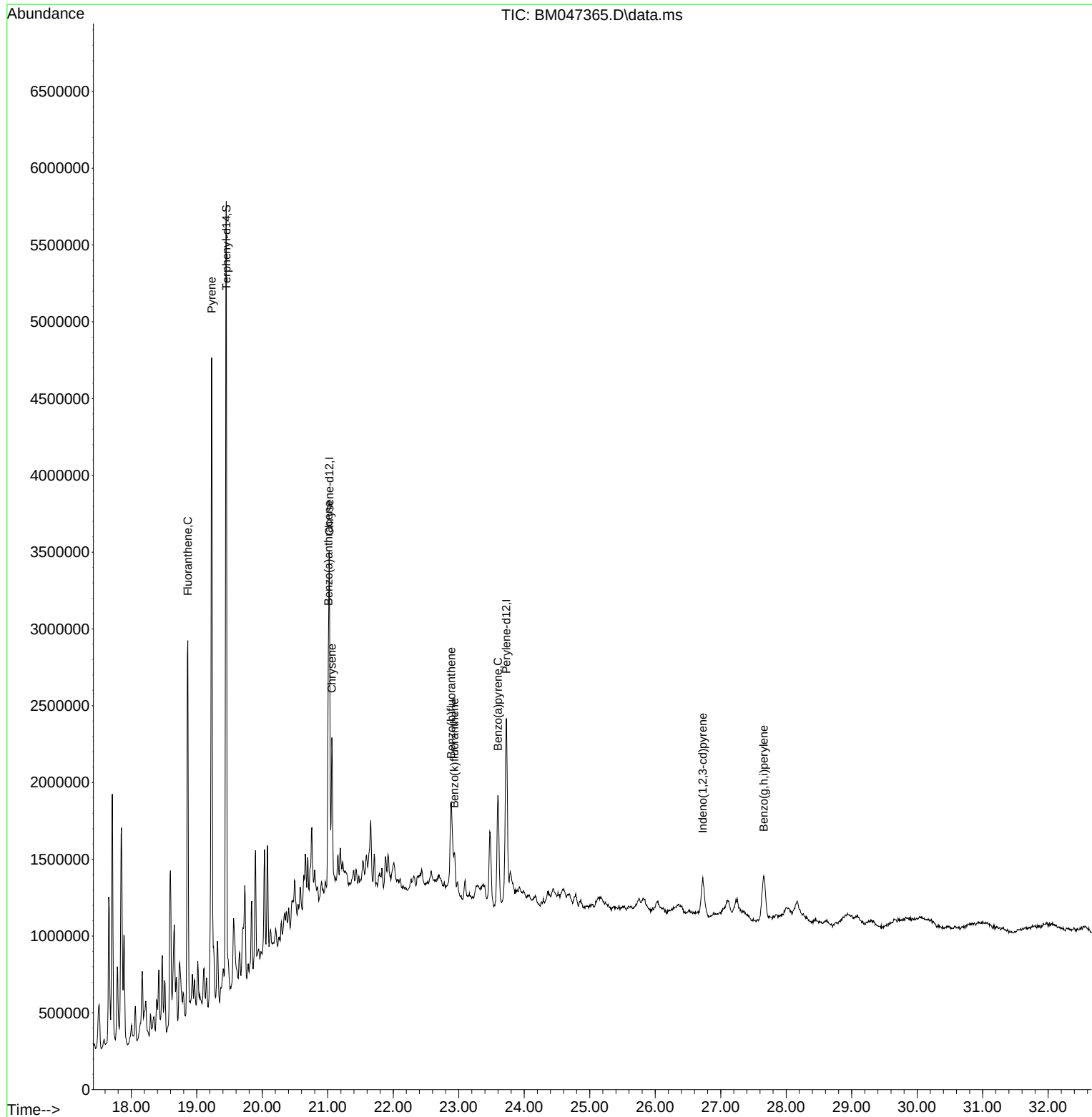
Quant Time: Aug 27 16:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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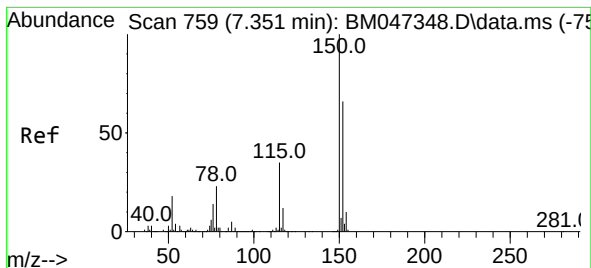


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.351 min Scan# 7

Delta R.T. 0.000 min

Lab File: BM047365.D

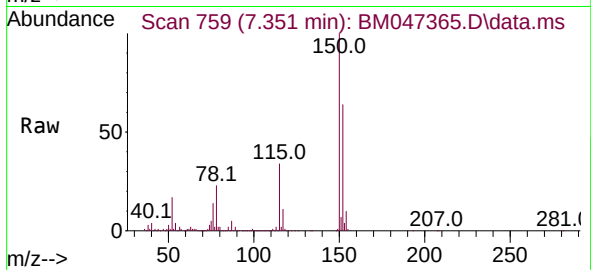
Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE



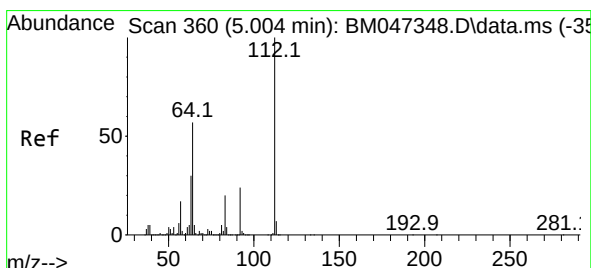
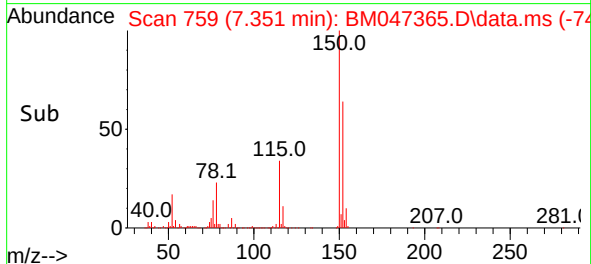
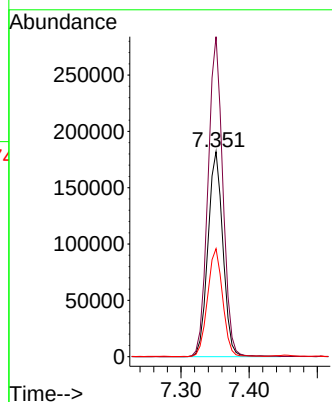
Tgt Ion:152 Resp: 277956

Ion Ratio Lower Upper

152 100

150 156.1 121.3 181.9

115 52.7 42.6 64.0



#5

2-Fluorophenol

Concen: 64.543 ng

RT: 5.010 min Scan# 361

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

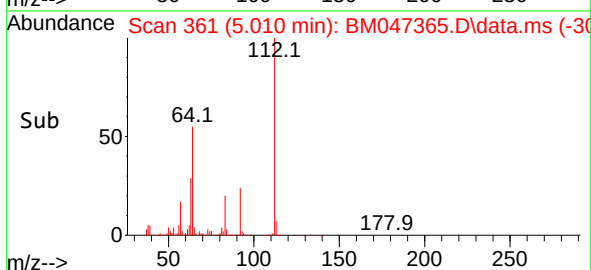
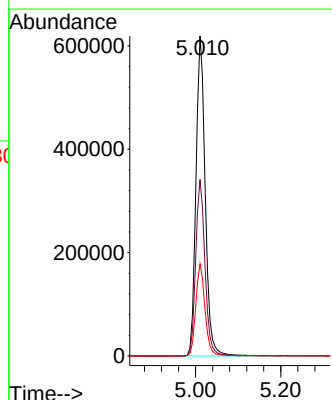
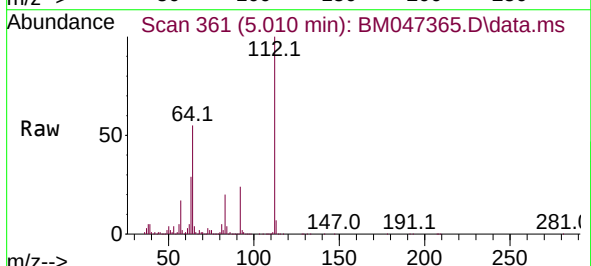
Tgt Ion:112 Resp: 935078

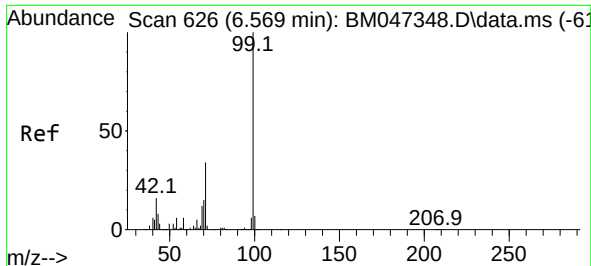
Ion Ratio Lower Upper

112 100

64 55.1 45.7 68.5

63 28.8 23.8 35.8

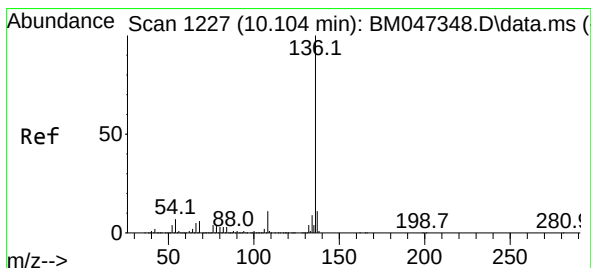
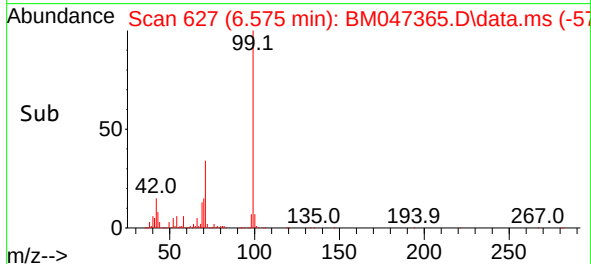
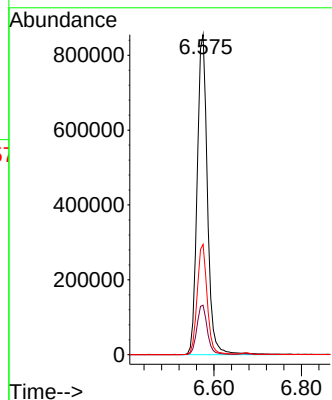
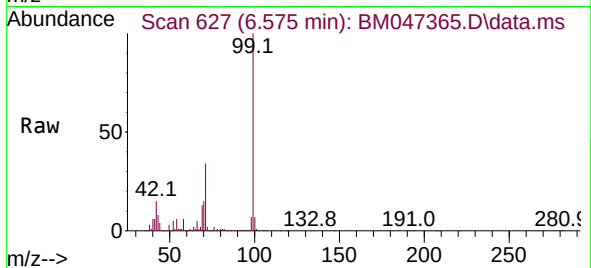




#7
Phenol-d6
Concen: 71.057 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

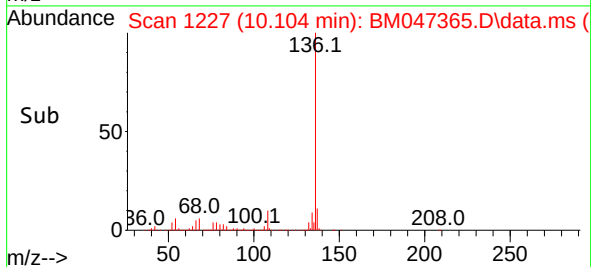
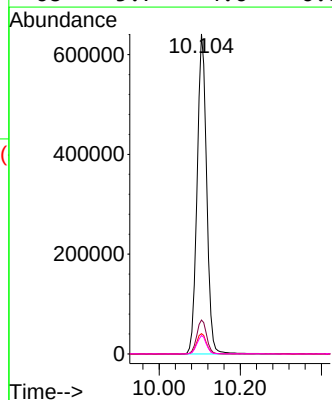
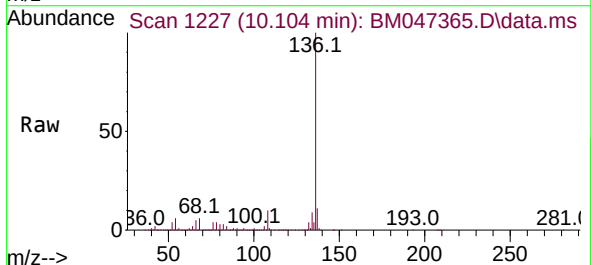
Instrument :
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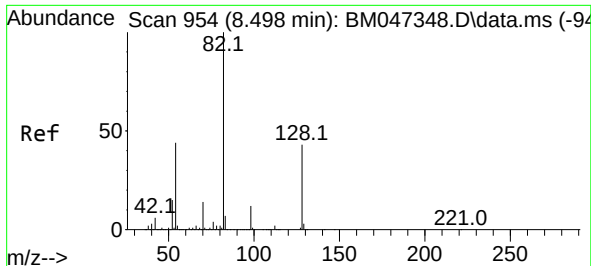
Tgt Ion: 99 Resp: 1402389
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 34.4 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

Tgt Ion: 136 Resp: 1053440
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.4 5.2 7.8
68 5.7 4.6 6.8

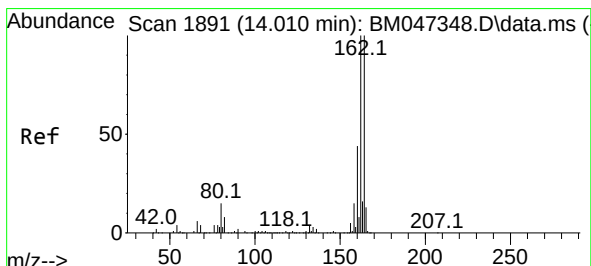
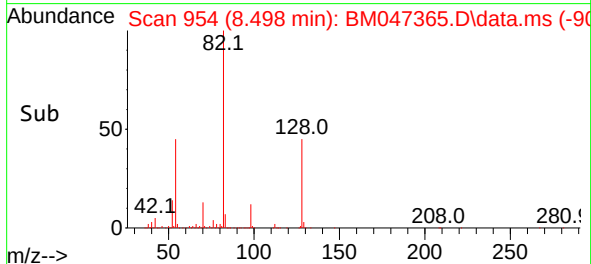
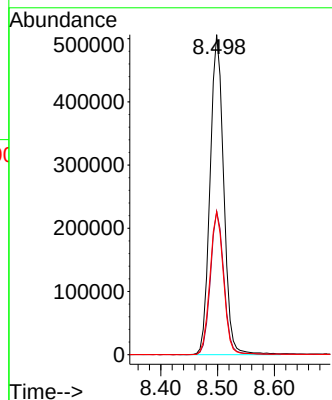
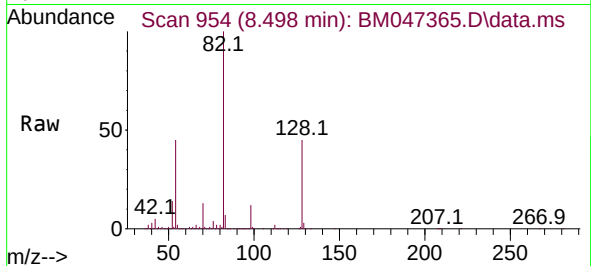




#23
Nitrobenzene-d5
Concen: 44.294 ng
RT: 8.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

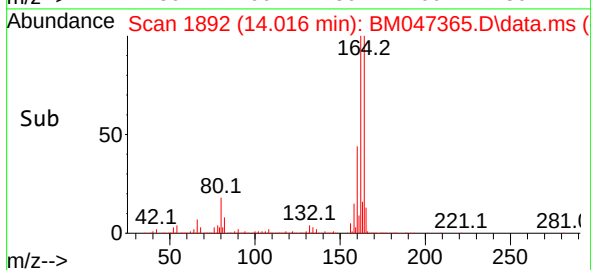
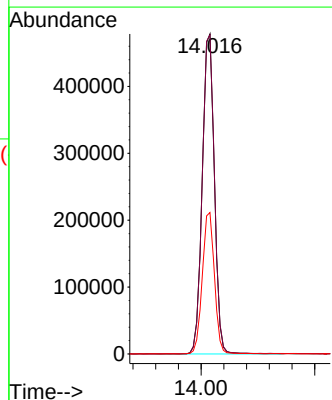
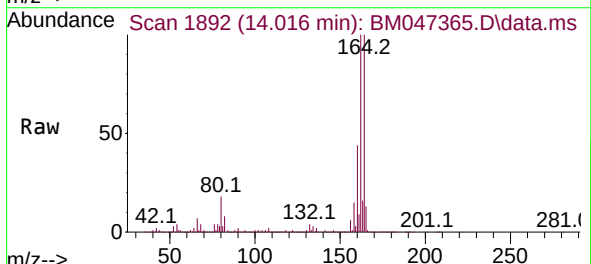
Instrument :
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ClientSampleId :
CM-SOIL-PILE

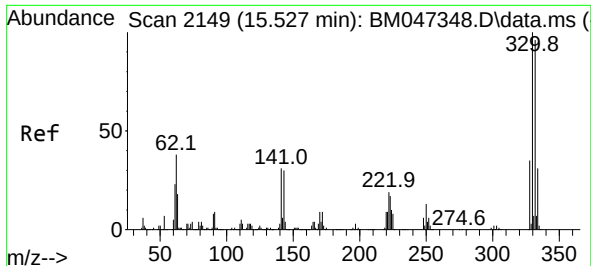
Tgt Ion: 82 Resp: 840963
Ion Ratio Lower Upper
82 100
128 44.8 34.6 51.8
54 44.7 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. 0.006 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

Tgt Ion: 164 Resp: 708654
Ion Ratio Lower Upper
164 100
162 99.7 79.7 119.5
160 44.2 34.9 52.3

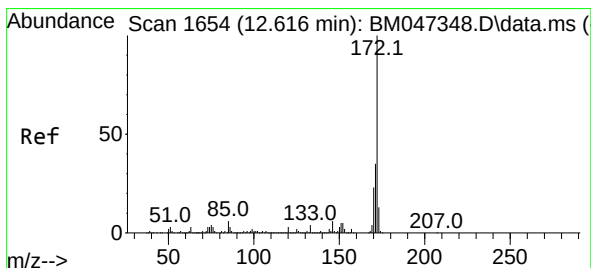
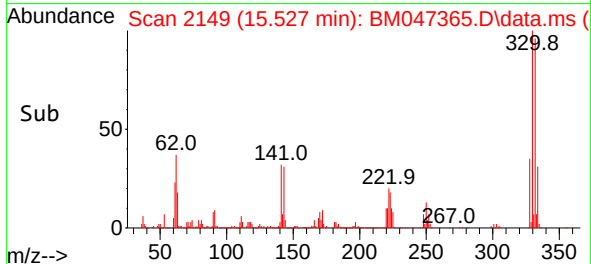
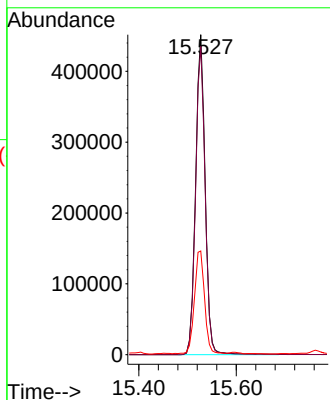
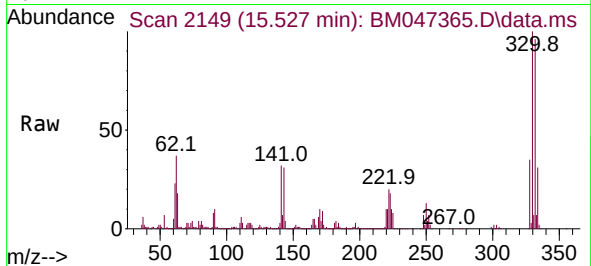




#42
2,4,6-Tribromophenol
Concen: 72.415 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

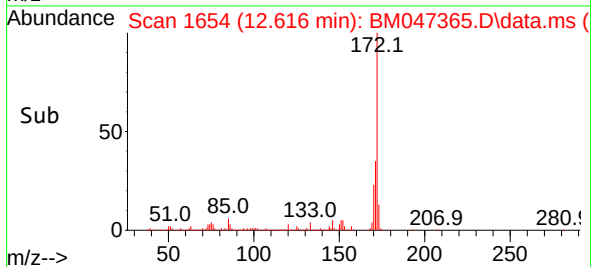
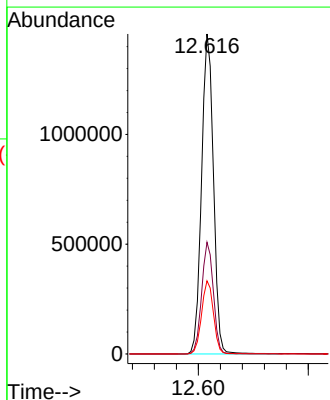
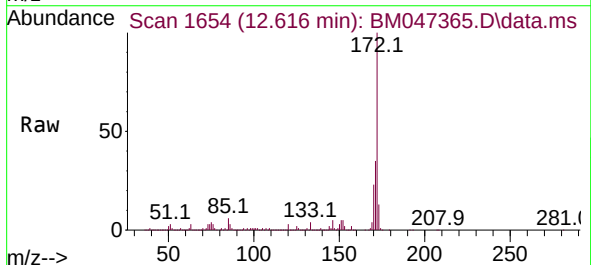
Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

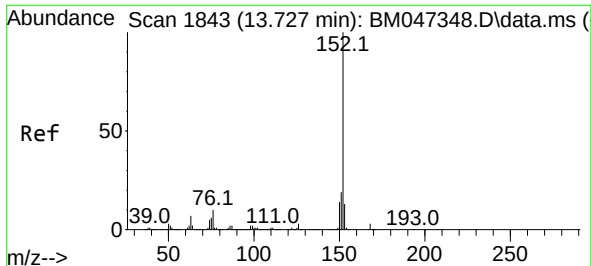
Tgt Ion:330 Resp: 619136
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 33.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 47.463 ng
RT: 12.616 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

Tgt Ion:172 Resp: 2189065
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.8 18.5 27.7

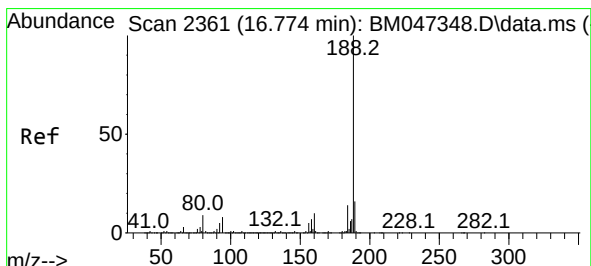
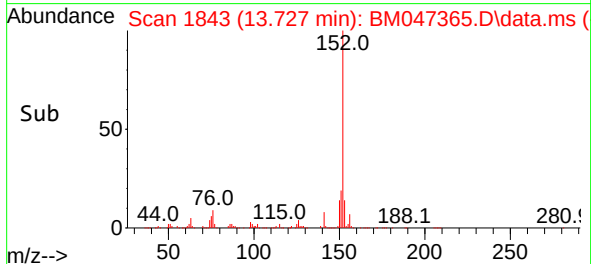
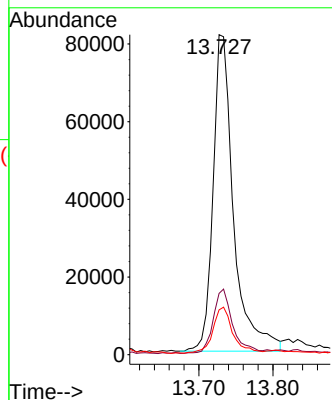
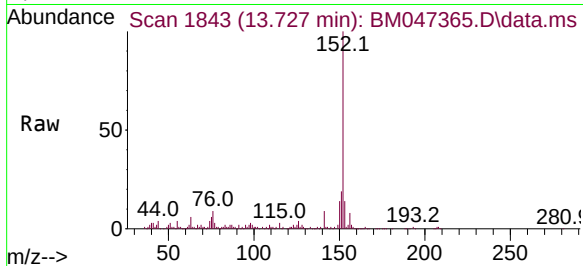




#49
Acenaphthylene
Concen: 2.783 ng
RT: 13.727 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

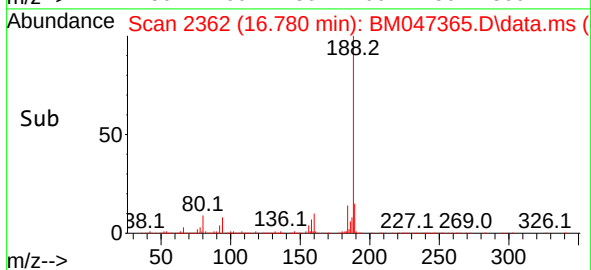
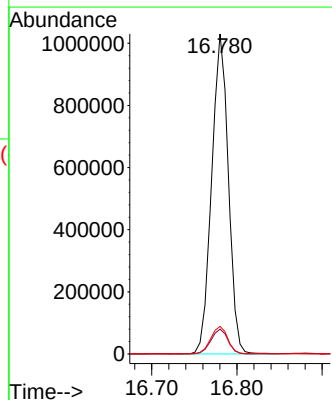
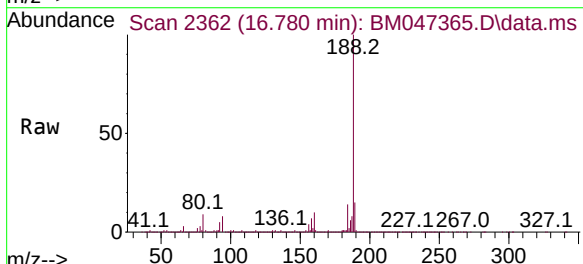
Instrument :
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ClientSampleId :
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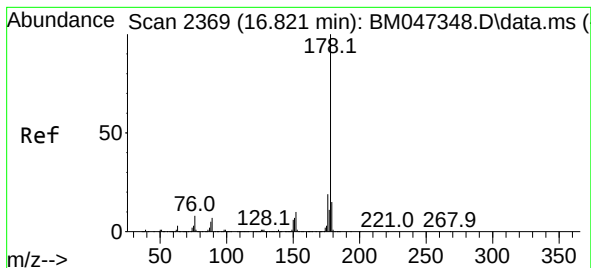
Tgt Ion:152 Resp: 156845
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.0
153 14.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

Tgt Ion:188 Resp: 1399093
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.6 7.4 11.2





#71

Phenanthrene

Concen: 14.766 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

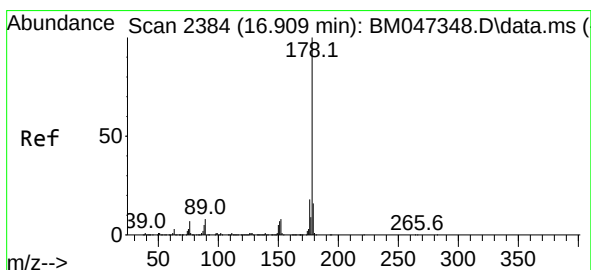
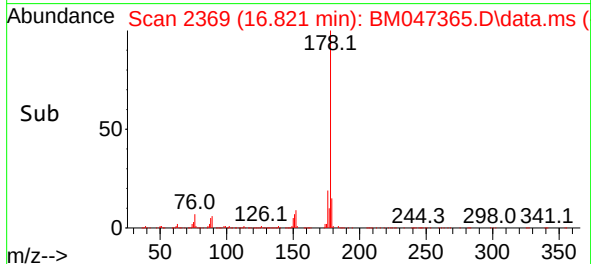
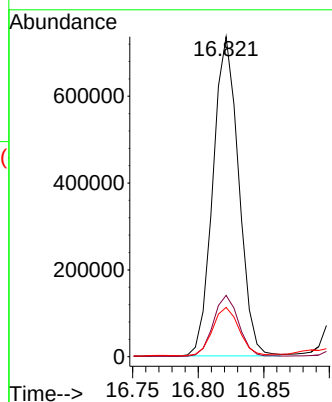
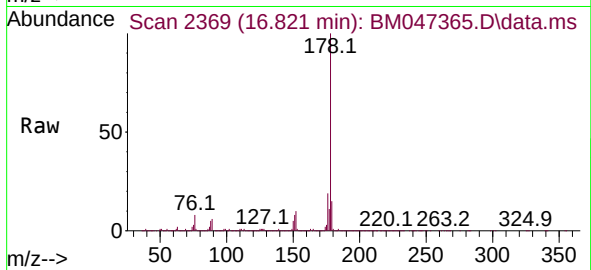
Tgt Ion:178 Resp: 1003285

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 6.227 ng

RT: 16.915 min Scan# 2385

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

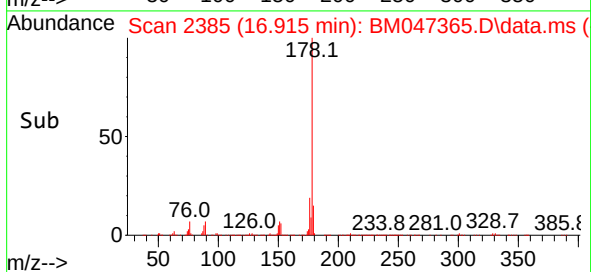
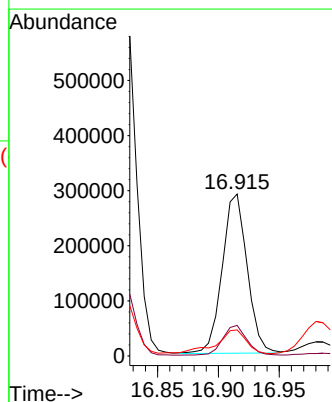
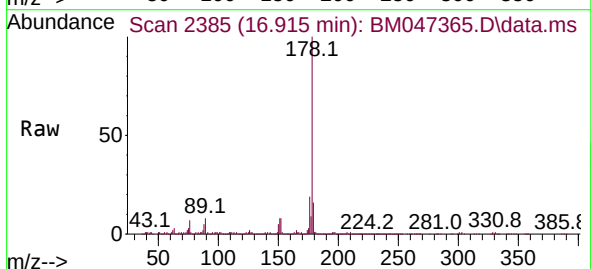
Tgt Ion:178 Resp: 412460

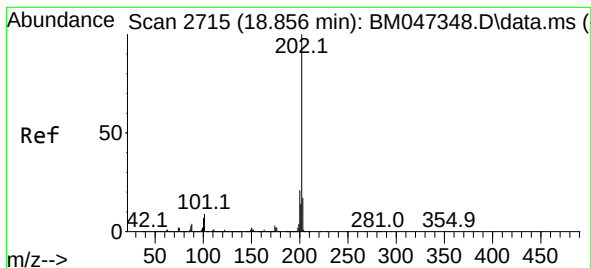
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 16.1 12.6 18.8





#75

Fluoranthene

Concen: 18.587 ng

RT: 18.862 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

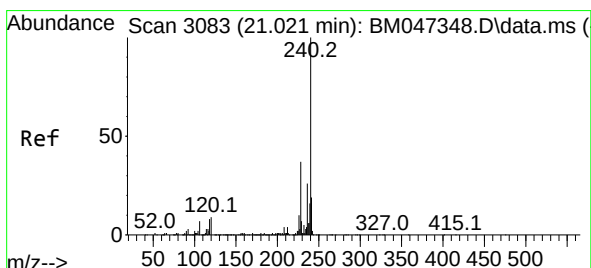
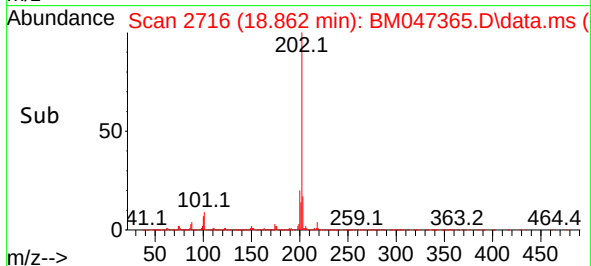
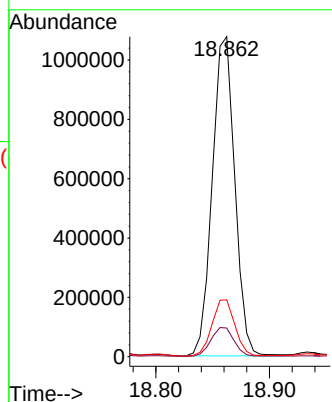
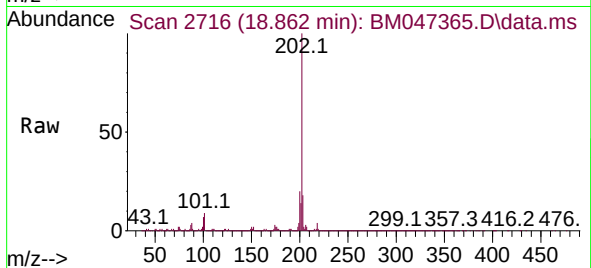
Tgt Ion:202 Resp: 1482876

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.0

203 17.7 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: BM047365.D

Acq: 27 Aug 2024 15:57

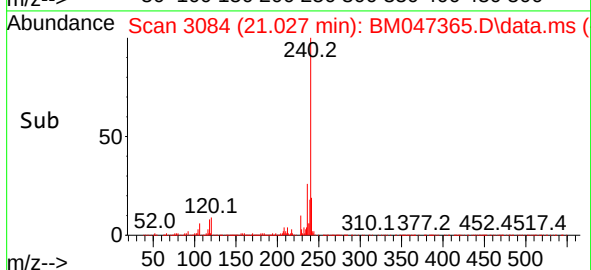
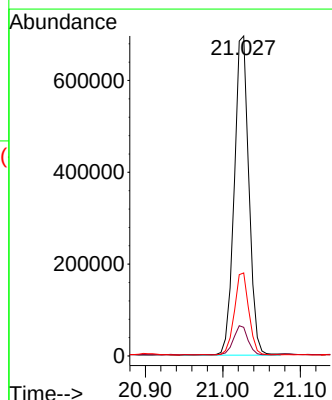
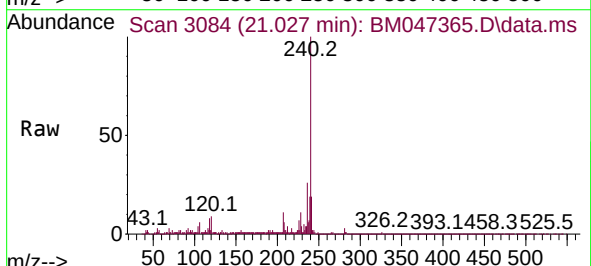
Tgt Ion:240 Resp: 912846

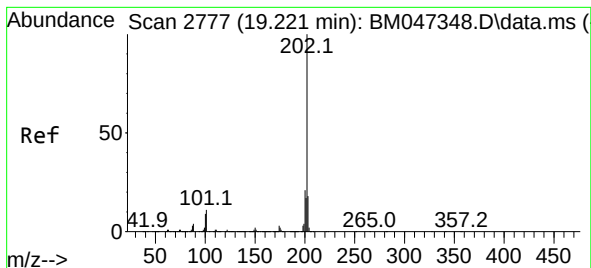
Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.0

236 26.0 20.8 31.2





#78

Pyrene

Concen: 37.558 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

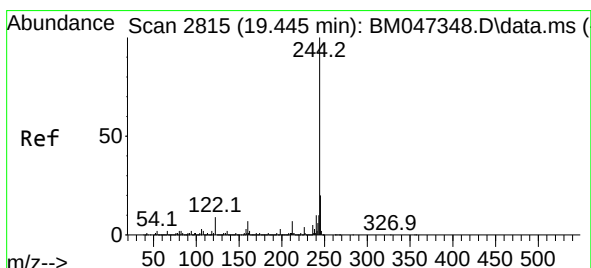
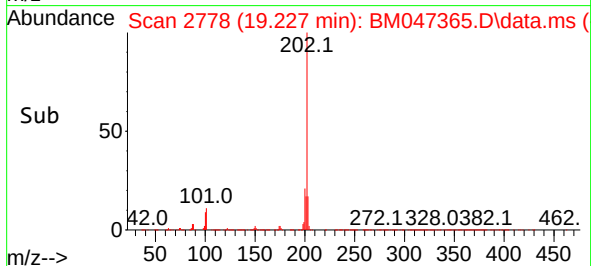
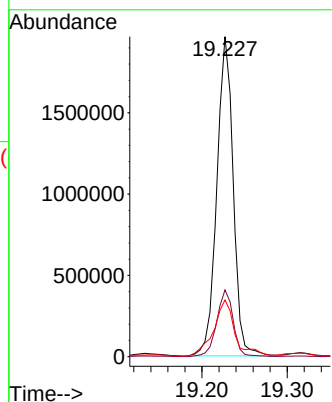
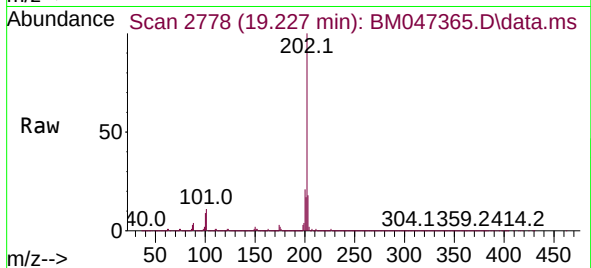
Tgt Ion:202 Resp: 2629544

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 50.438 ng

RT: 19.451 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

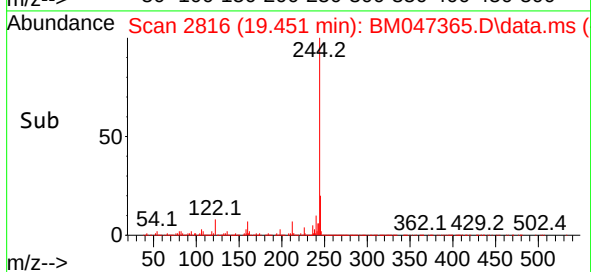
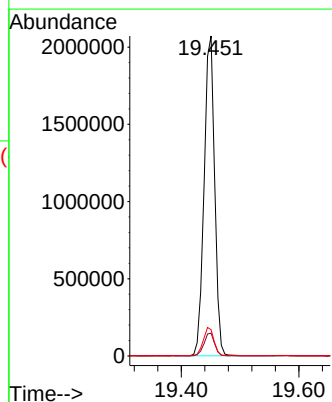
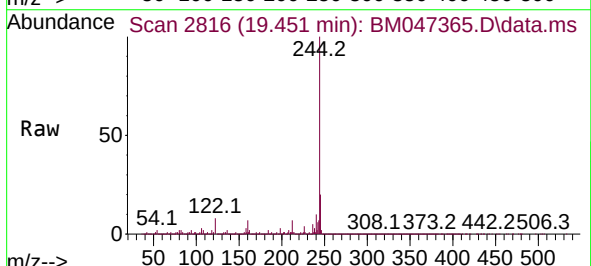
Tgt Ion:244 Resp: 2586678

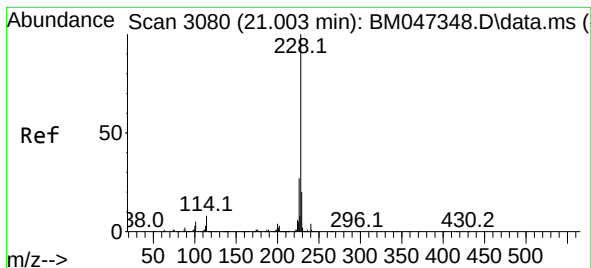
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.2 7.0 10.4





#81

Benzo(a)anthracene

Concen: 12.060 ng

RT: 21.009 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

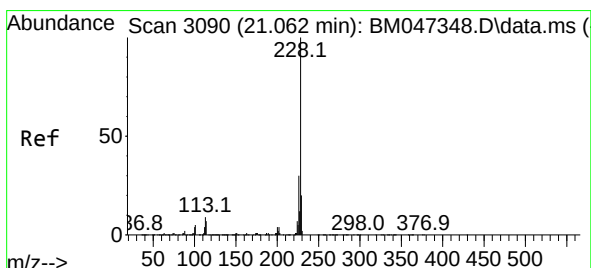
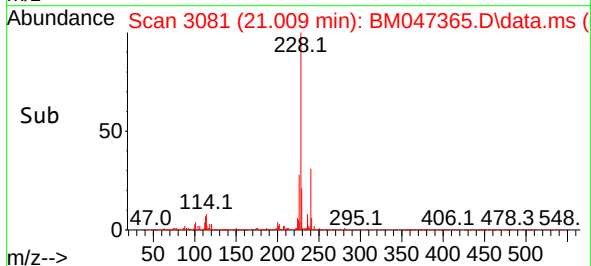
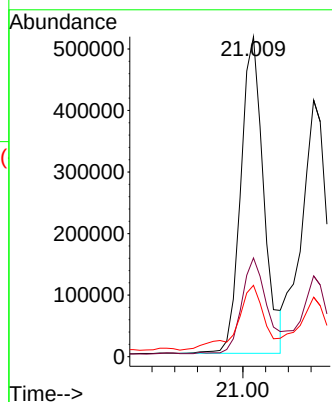
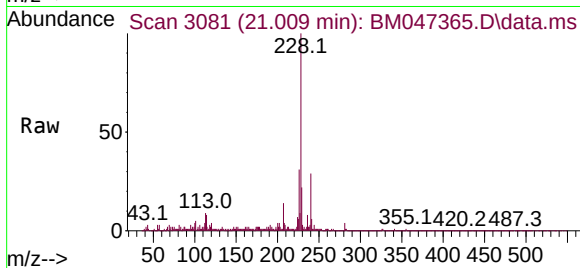
Tgt Ion:228 Resp: 717920

Ion Ratio Lower Upper

228 100

226 30.9 21.4 32.0

229 22.3 15.8 23.8



#83

Chrysene

Concen: 11.253 ng

RT: 21.062 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

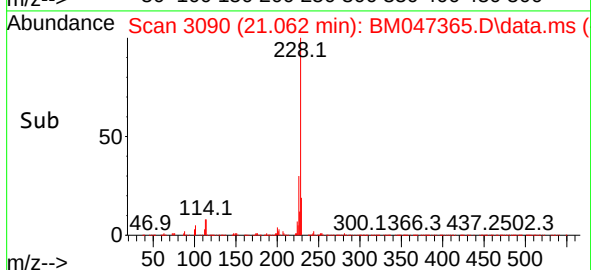
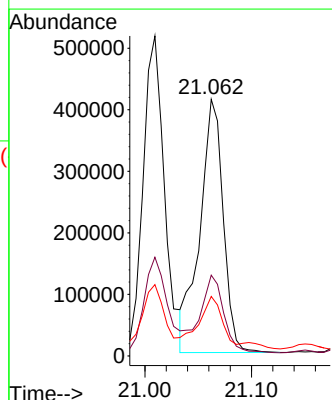
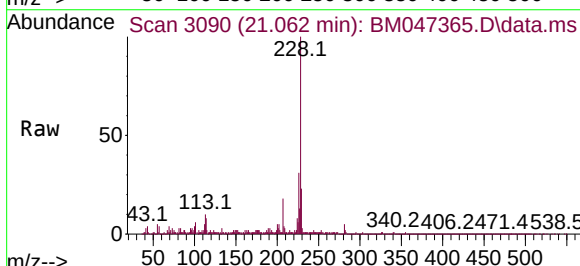
Tgt Ion:228 Resp: 630156

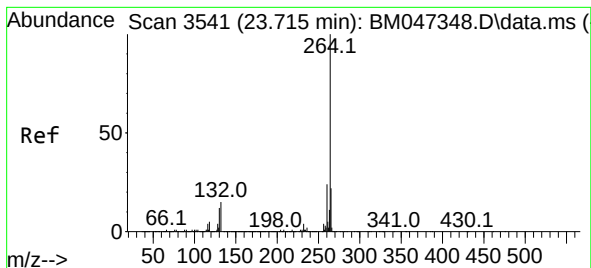
Ion Ratio Lower Upper

228 100

226 31.5 24.0 36.0

229 23.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

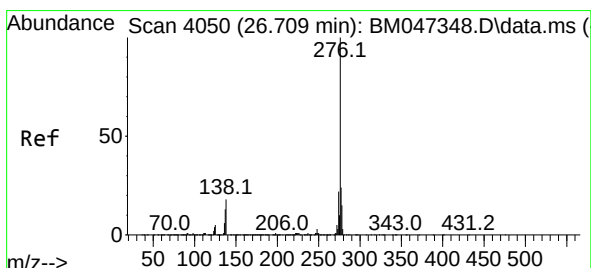
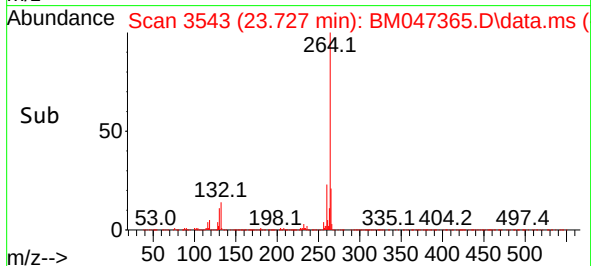
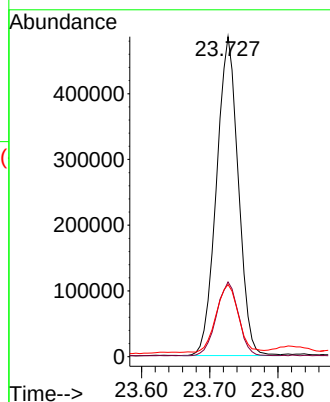
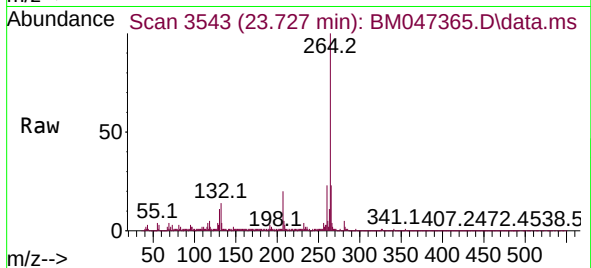
Tgt Ion:264 Resp: 1077942

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 22.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.232 ng

RT: 26.727 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

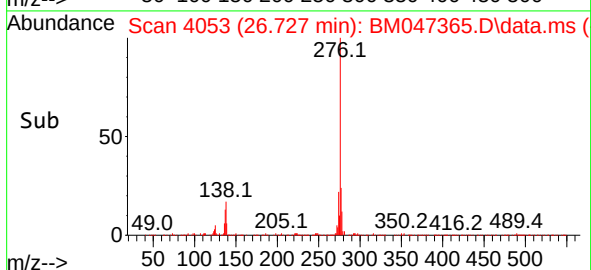
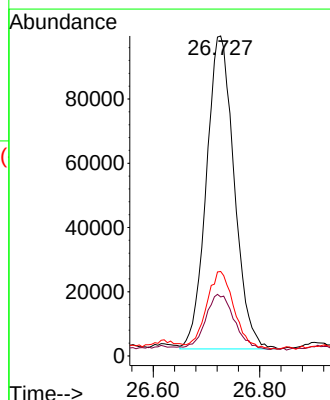
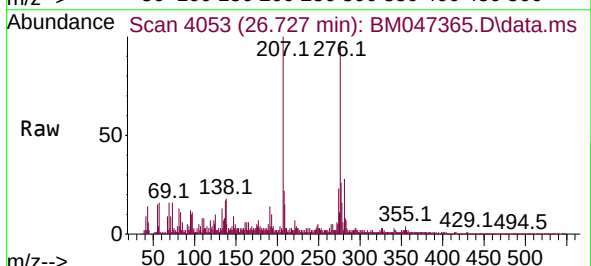
Tgt Ion:276 Resp: 353048

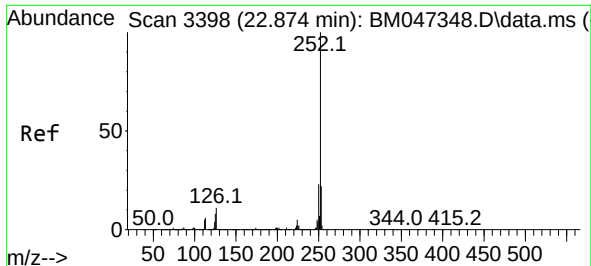
Ion Ratio Lower Upper

276 100

138 18.3 17.7 26.5

277 24.7 20.0 30.0

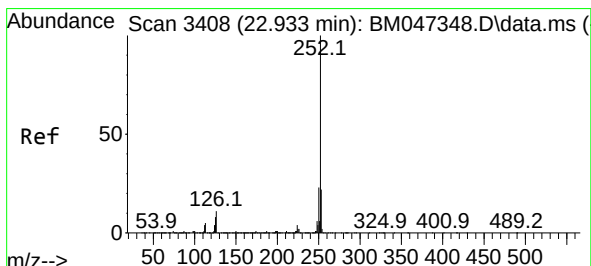
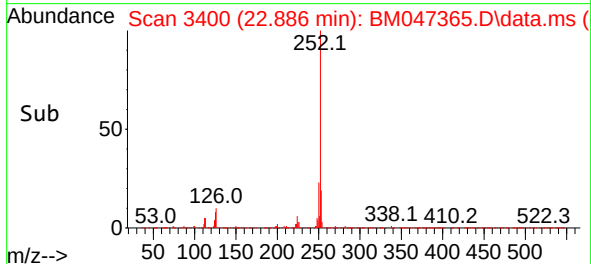
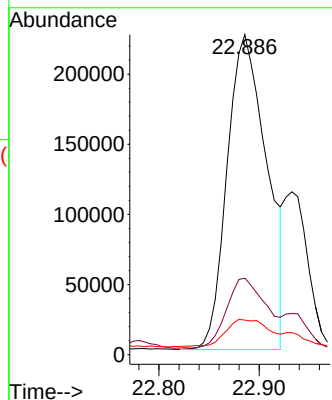
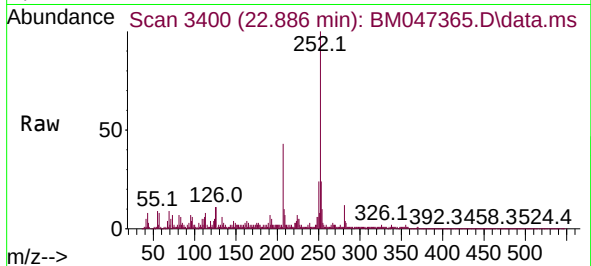




#88
Benzo(b)fluoranthene
Concen: 9.837 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.012 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

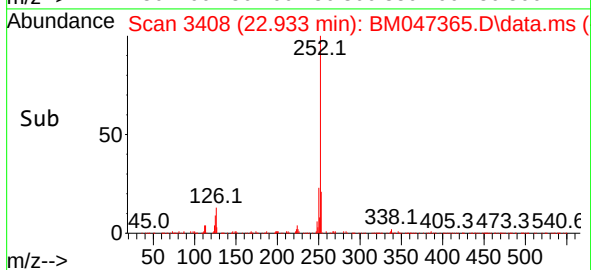
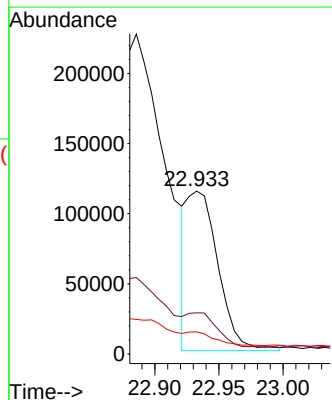
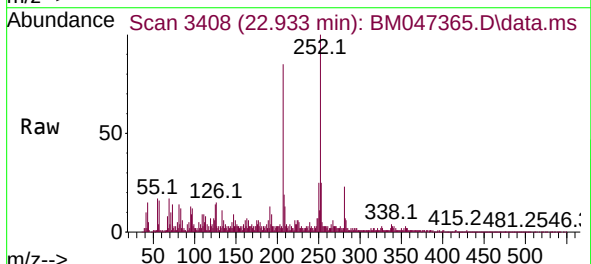
Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

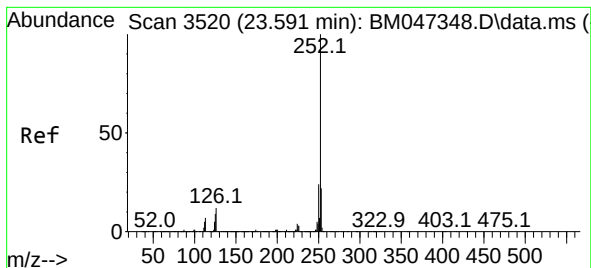
Tgt Ion:252 Resp: 618612
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.8 6.6 10.0#



#89
Benzo(k)fluoranthene
Concen: 3.203 ng m
RT: 22.933 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM047365.D
Acq: 27 Aug 2024 15:57

Tgt Ion:252 Resp: 190934
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 13.6 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 12.166 ng

RT: 23.597 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Instrument :

BNA_M

ClientSampleId :

CM-SOIL-PILE

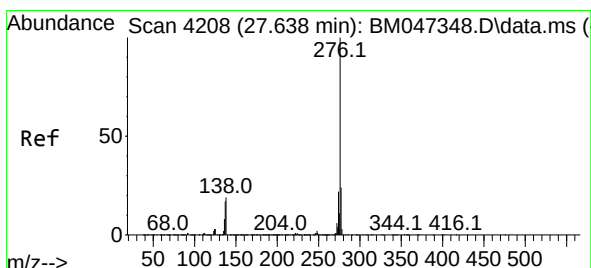
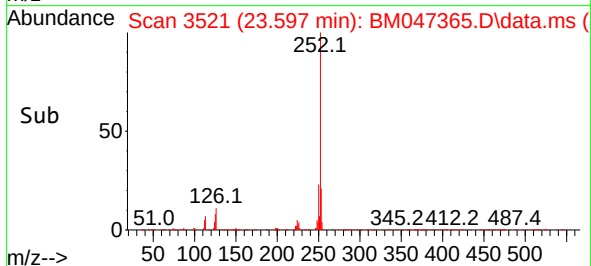
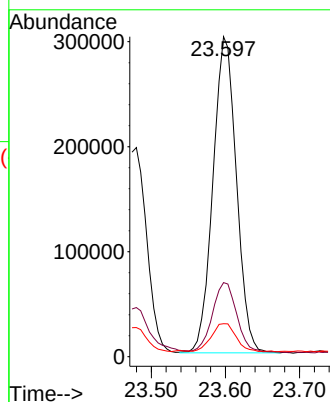
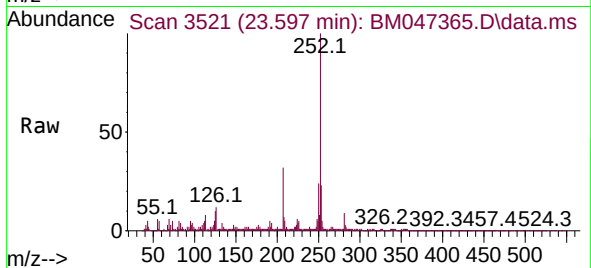
Tgt Ion:252 Resp: 661646

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.3 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 8.671 ng

RT: 27.656 min Scan# 4211

Delta R.T. 0.018 min

Lab File: BM047365.D

Acq: 27 Aug 2024 15:57

Tgt Ion:276 Resp: 492812

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 18.7 15.0 22.6

