

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047364.D
 Acq On : 27 Aug 2024 15:17
 Operator : RC/JU
 Sample : P3741-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-08262024

Quant Time: Aug 27 15:58:42 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)

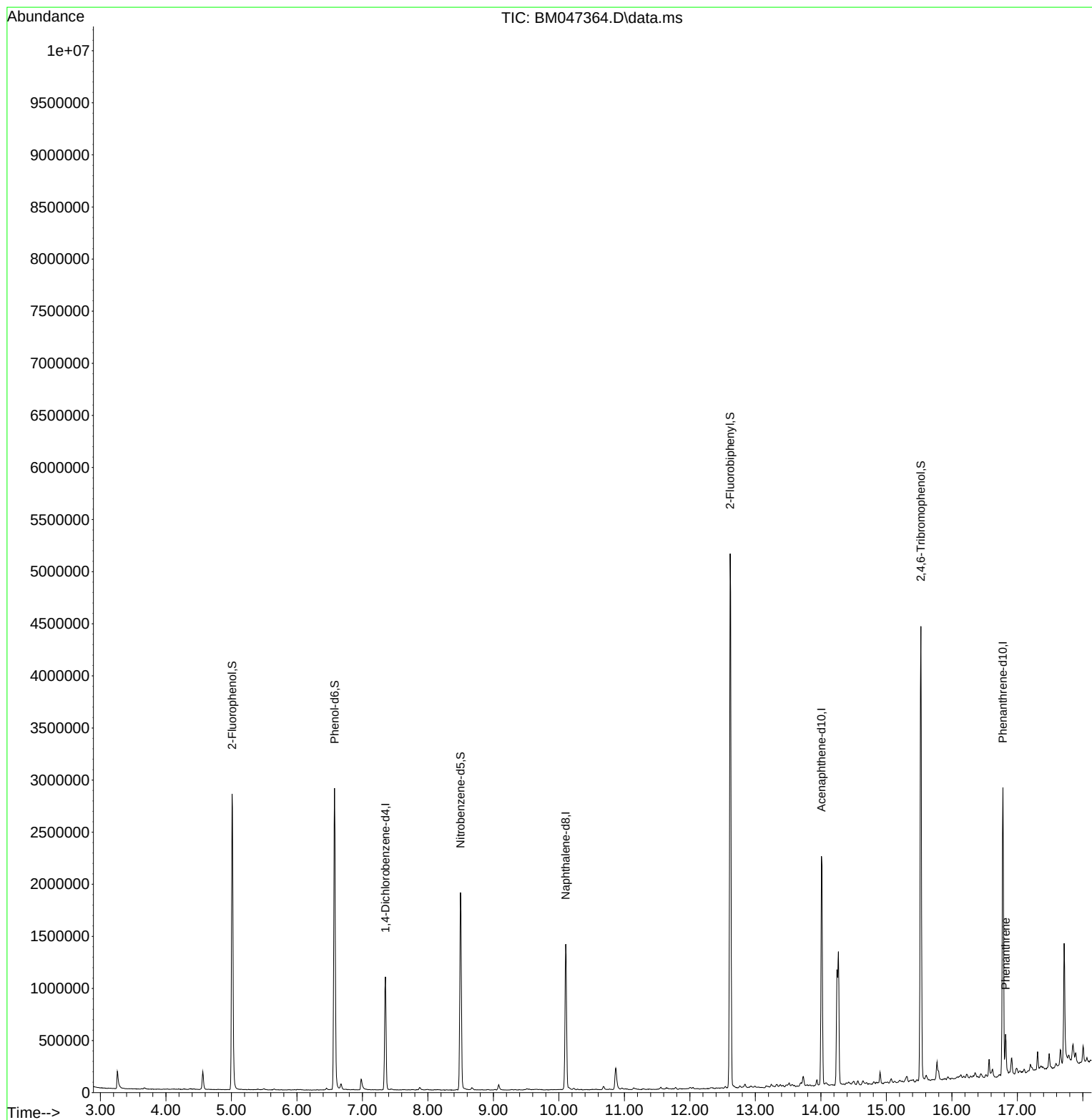
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	309495	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1177067	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	813800	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1677623	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1091560	20.000	ng	0.00
86) Perylene-d12	23.727	264	1239398	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1361679	84.410	ng	0.00
7) Phenol-d6	6.575	99	1783201	81.145	ng	0.00
23) Nitrobenzene-d5	8.498	82	1131003	53.314	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	828148	84.347	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2822078	53.282	ng	0.00
79) Terphenyl-d14	19.450	244	3844876	62.697	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.528	77	429	Below Cal	#	60
71) Phenanthrene	16.821	178	233282	2.863	ng	99
75) Fluoranthene	18.862	202	471357	4.927	ng	98
78) Pyrene	19.227	202	503154	6.010	ng	100
81) Benzo(a)anthracene	21.009	228	219125	3.078	ng	# 90
83) Chrysene	21.009	228	219125	3.272	ng	94
87) Indeno(1,2,3-cd)pyrene	26.726	276	199088	2.566	ng	97
88) Benzo(b)fluoranthene	22.886	252	311543	4.309	ng	# 90
89) Benzo(k)fluoranthene	22.886	252	311543	4.545	ng	# 89
90) Benzo(a)pyrene	23.597	252	237849	3.804	ng	# 88
92) Benzo(g,h,i)perylene	27.662	276	228767	3.501	ng	96

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

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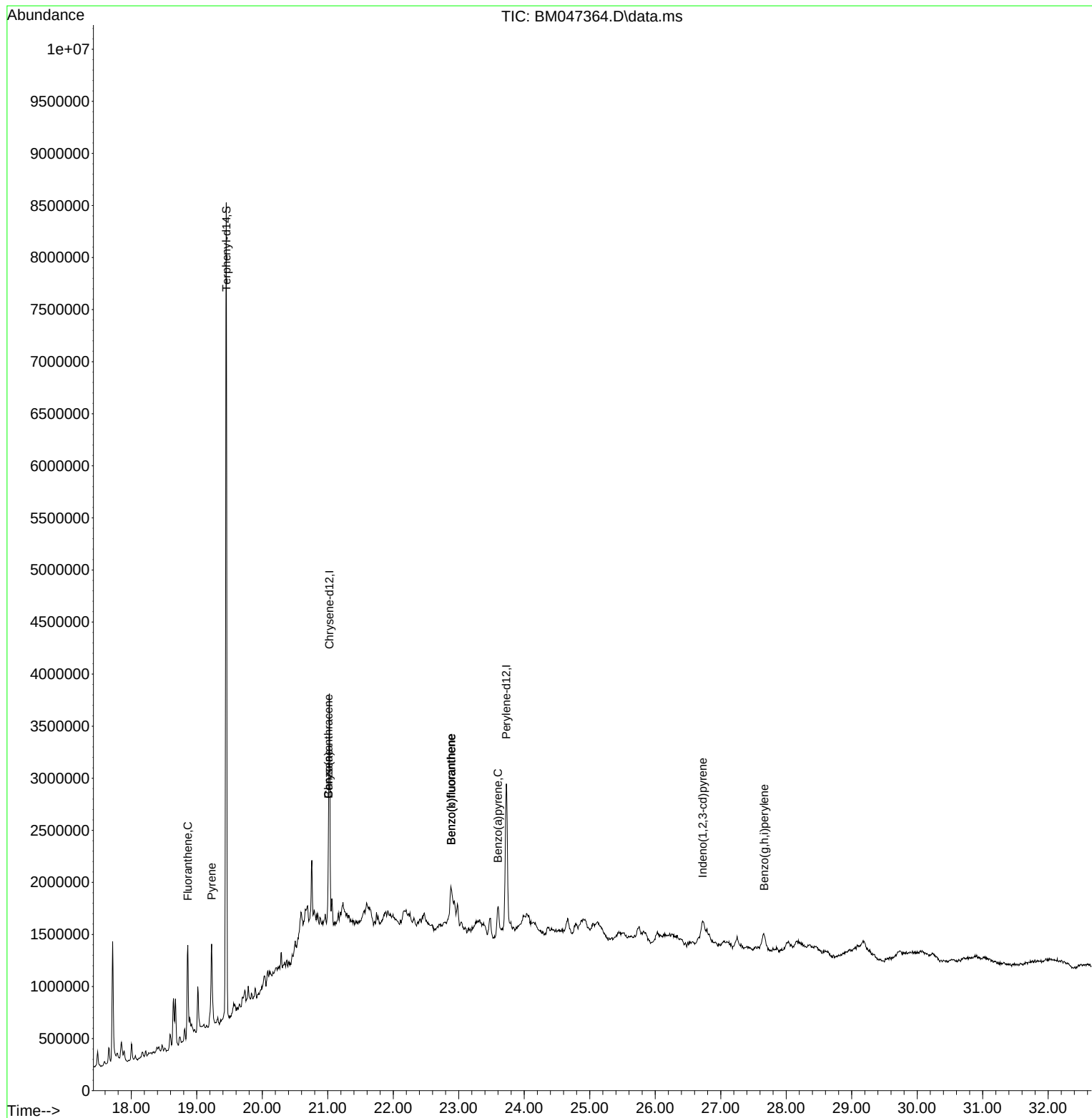
Quant Time: Aug 27 15:58:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

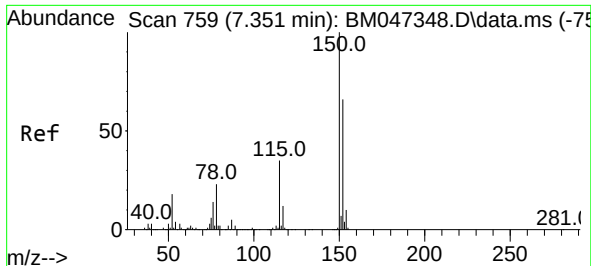


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
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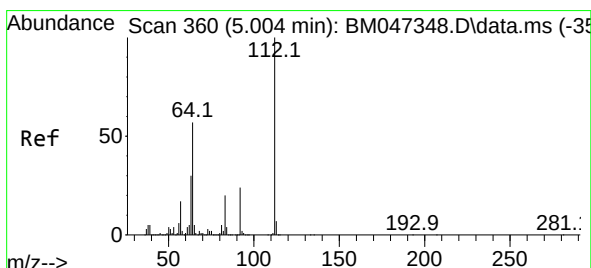
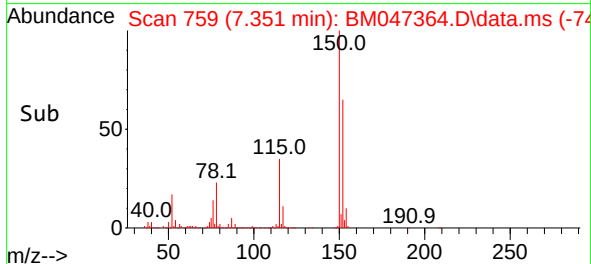
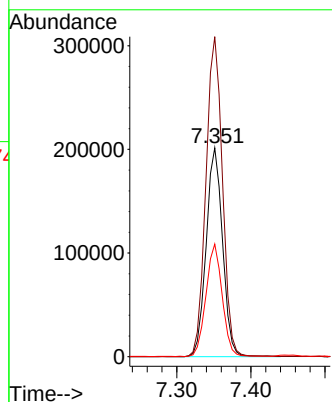
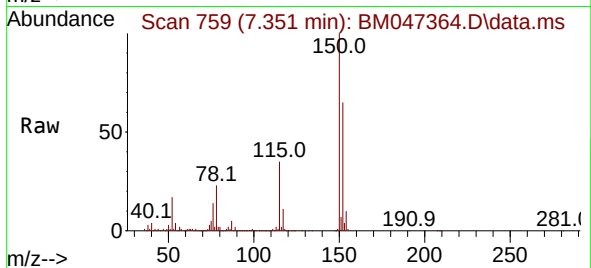




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

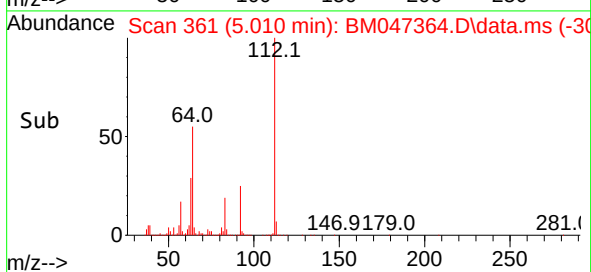
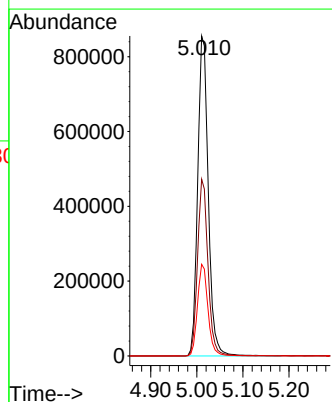
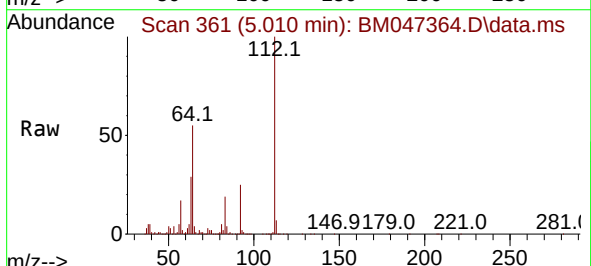
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

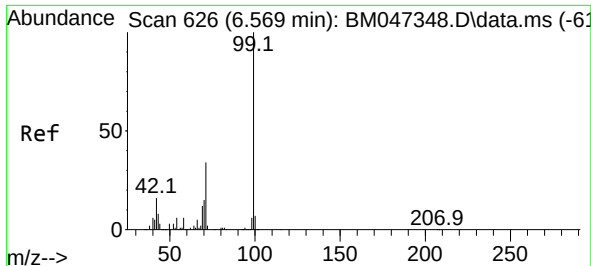
Tgt Ion:152 Resp: 309495
Ion Ratio Lower Upper
152 100
150 153.2 121.3 181.9
115 53.9 42.6 64.0



#5
2-Fluorophenol
Concen: 84.410 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Tgt Ion:112 Resp: 1361679
Ion Ratio Lower Upper
112 100
64 55.2 45.7 68.5
63 28.6 23.8 35.8



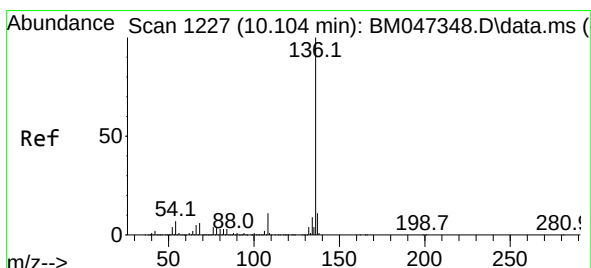
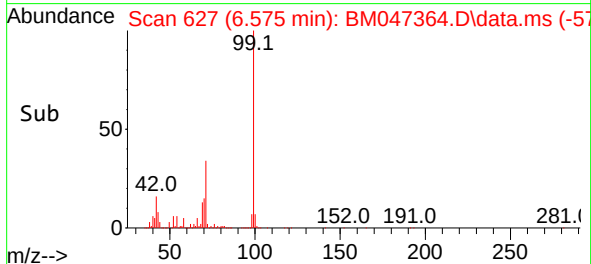
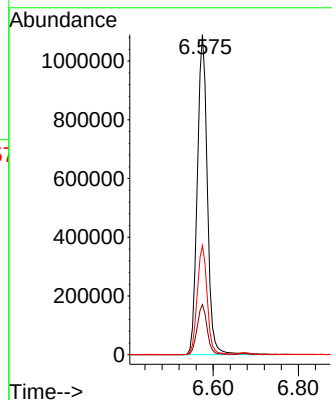
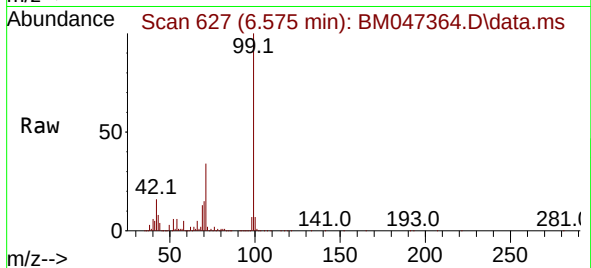


#7
Phenol-d6
Concen: 81.145 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

Tgt Ion: 99 Resp: 1783201

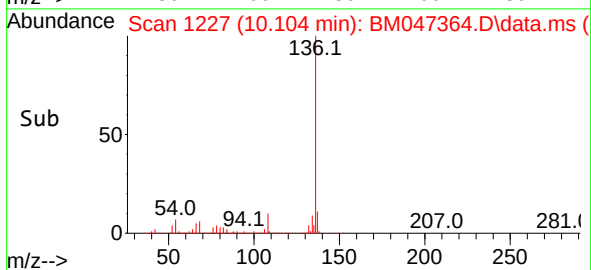
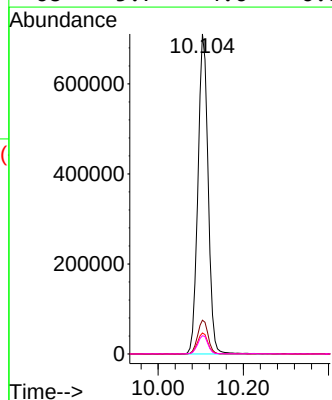
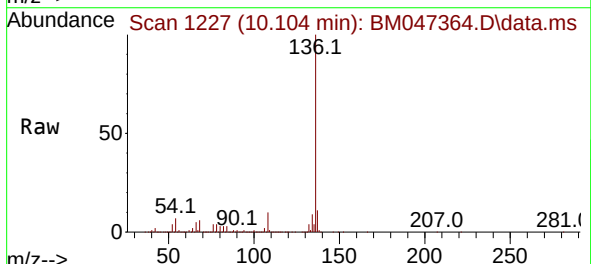
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.0	19.4
71	34.1	27.5	41.3

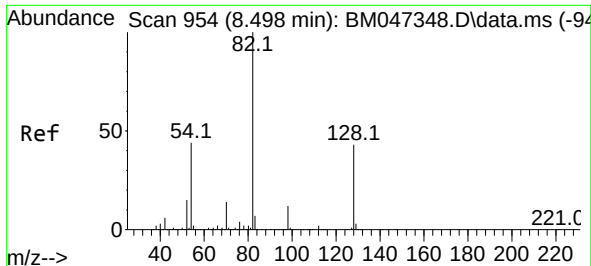


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Tgt Ion: 136 Resp: 1177067

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.5	5.2	7.8
68	5.7	4.6	6.8

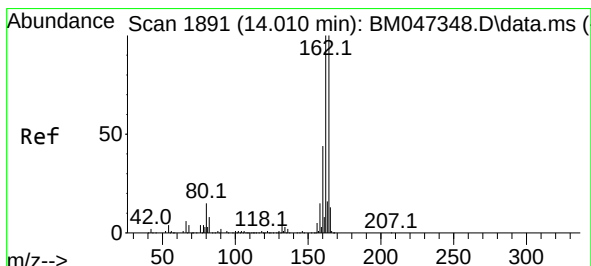
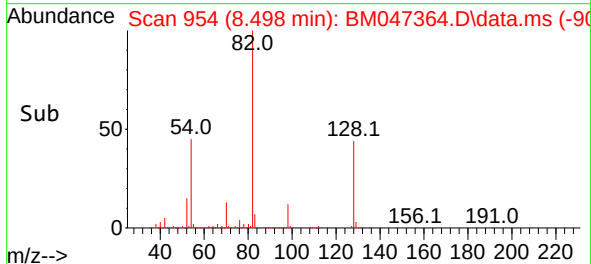
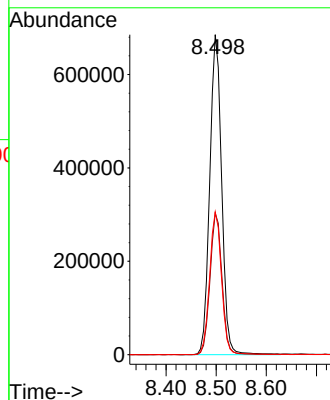
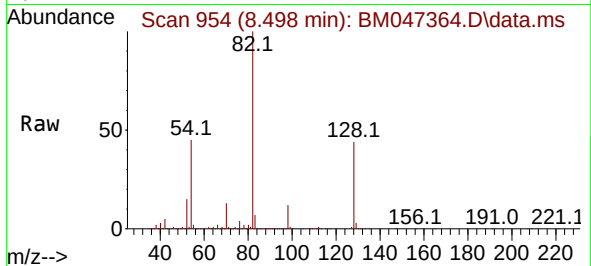




#23
Nitrobenzene-d5
Concen: 53.314 ng
RT: 8.498 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

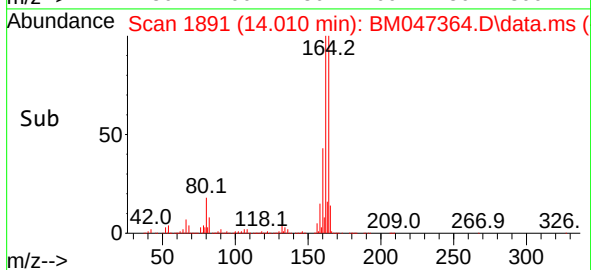
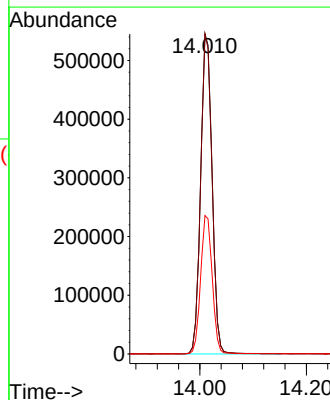
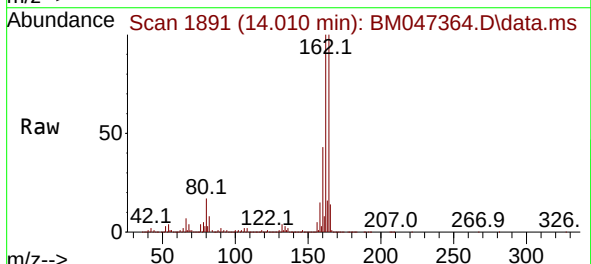
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

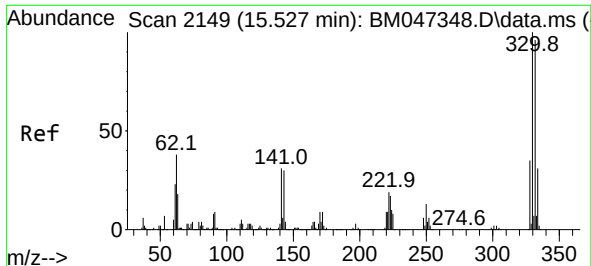
Tgt Ion: 82 Resp: 1131003
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 44.6 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Tgt Ion:164 Resp: 813800
Ion Ratio Lower Upper
164 100
162 100.0 79.7 119.5
160 43.3 34.9 52.3

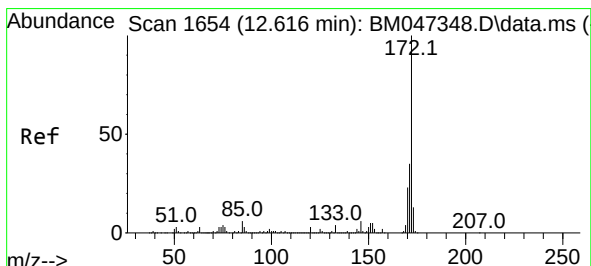
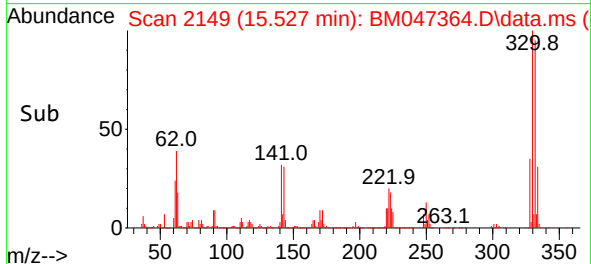
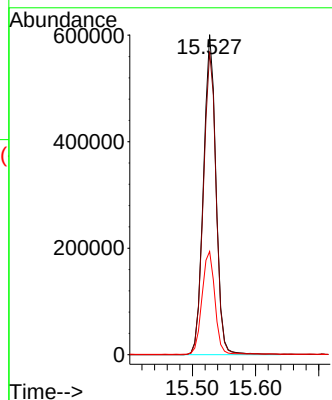
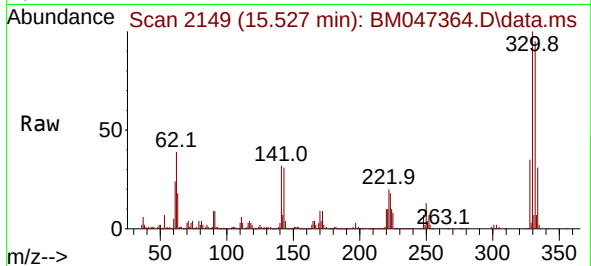




#42
2,4,6-Tribromophenol
Concen: 84.347 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

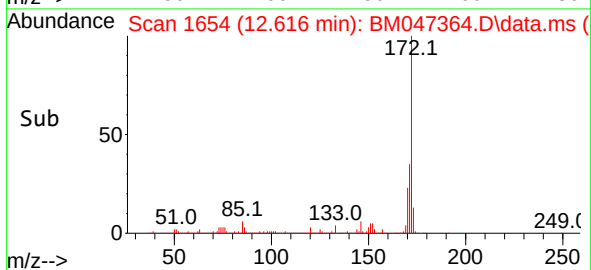
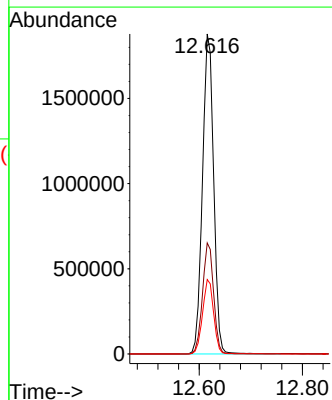
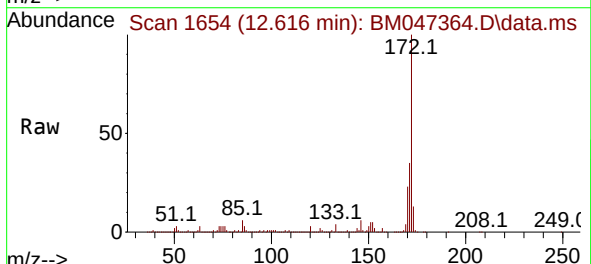
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

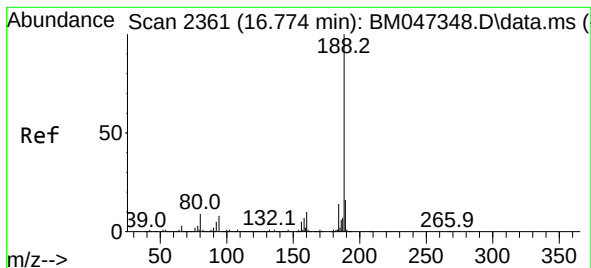
Tgt Ion:330 Resp: 828148
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 32.9 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 53.282 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Tgt Ion:172 Resp: 2822078
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

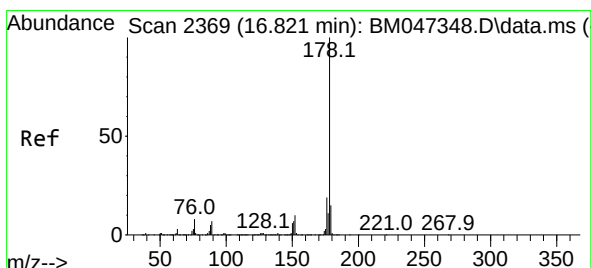
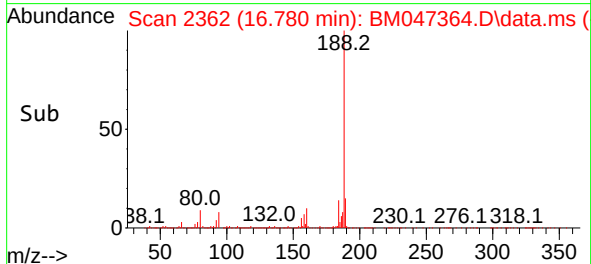
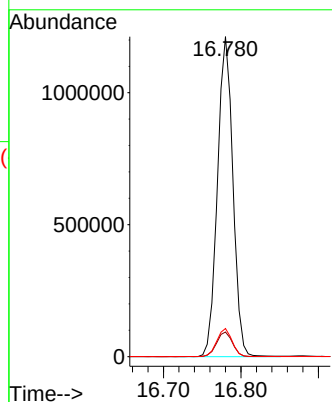
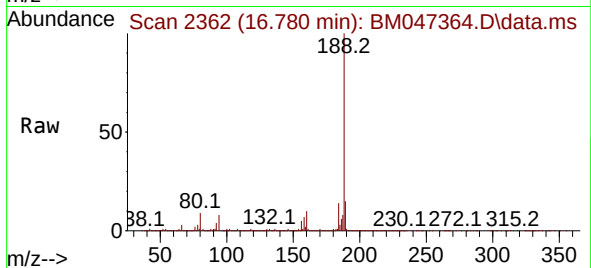
Tgt Ion:188 Resp: 1677623

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.8 7.4 11.2



#71

Phenanthrene

Concen: 2.863 ng

RT: 16.821 min Scan# 2369

Delta R.T. -0.000 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

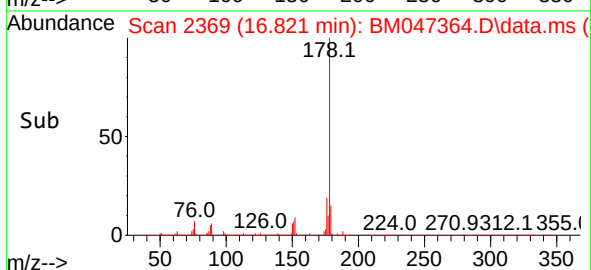
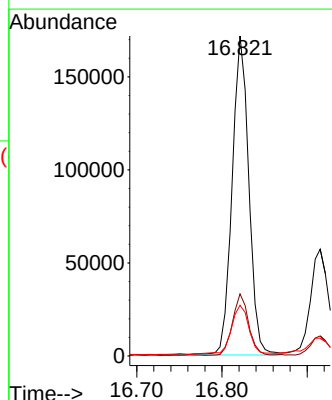
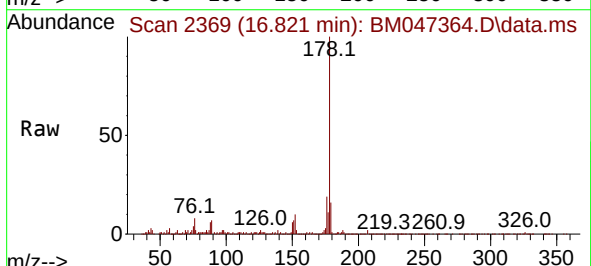
Tgt Ion:178 Resp: 233282

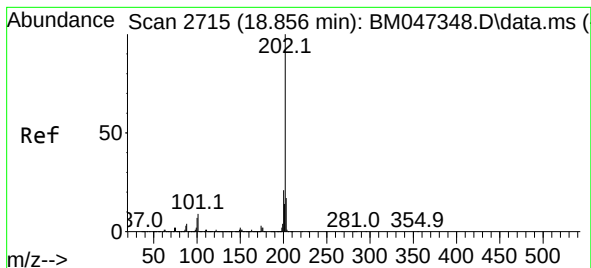
Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 4.927 ng

RT: 18.862 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

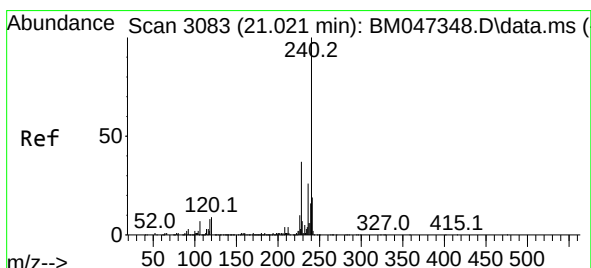
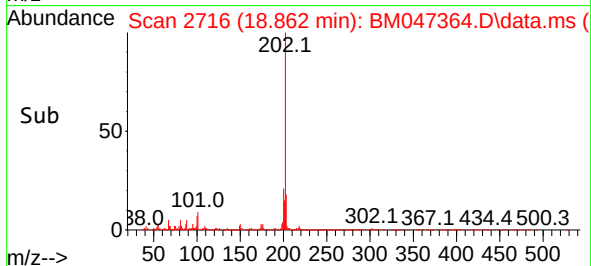
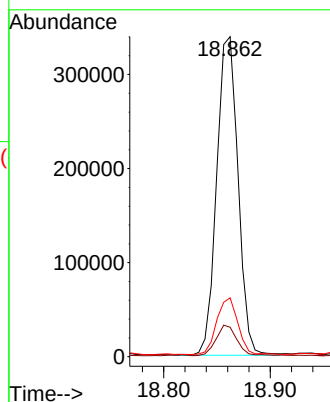
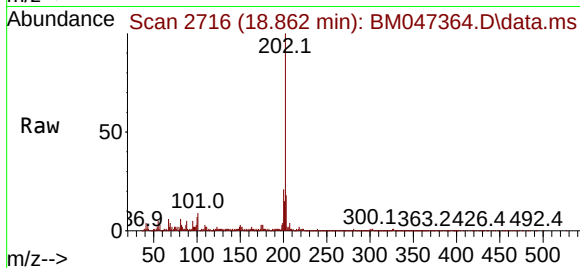
Tgt Ion:202 Resp: 471357

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.0

203 18.4 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: BM047364.D

Acq: 27 Aug 2024 15:17

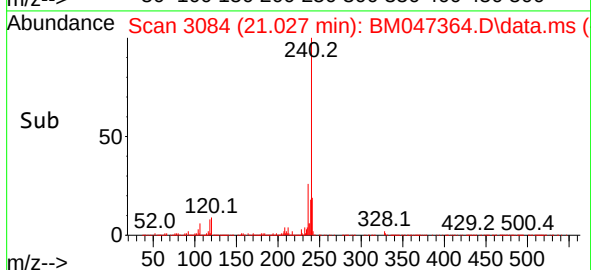
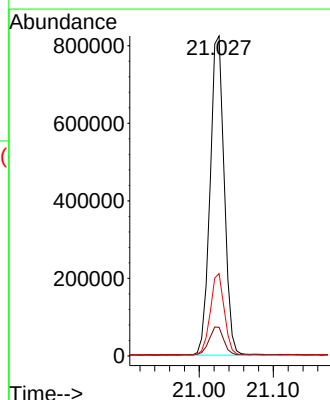
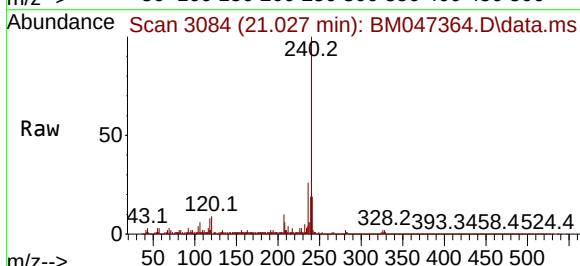
Tgt Ion:240 Resp: 1091560

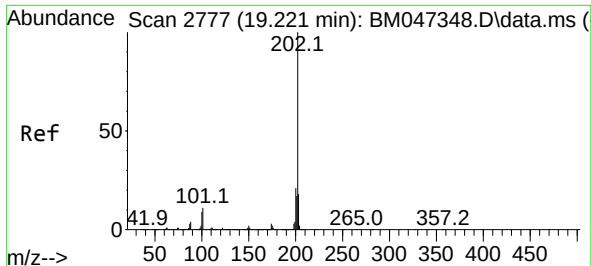
Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

236 25.7 20.8 31.2

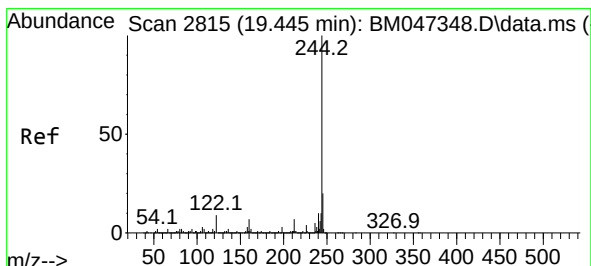
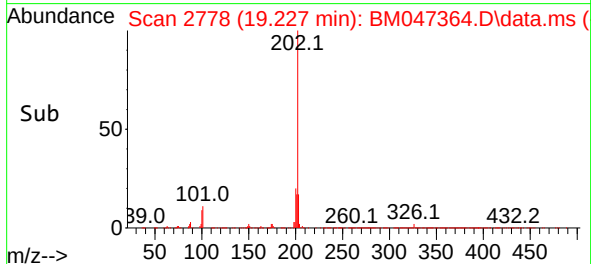
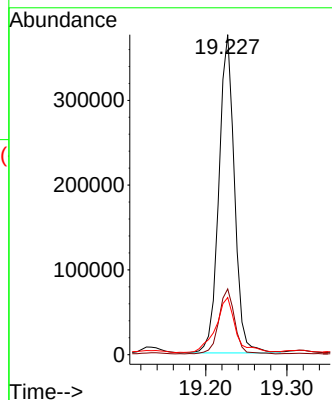
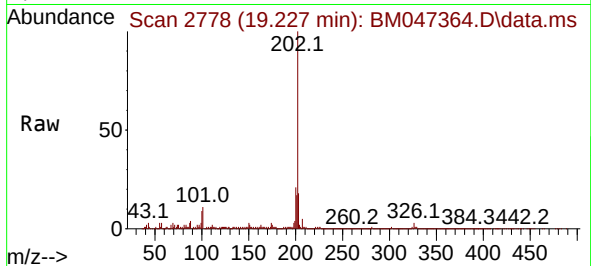




#78
Pyrene
Concen: 6.010 ng
RT: 19.227 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

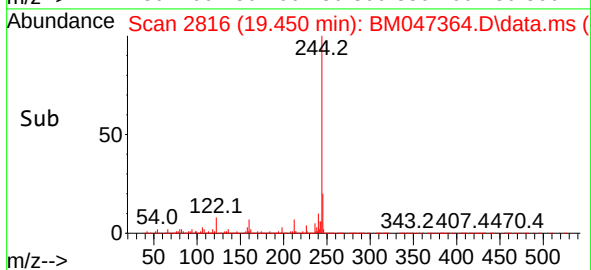
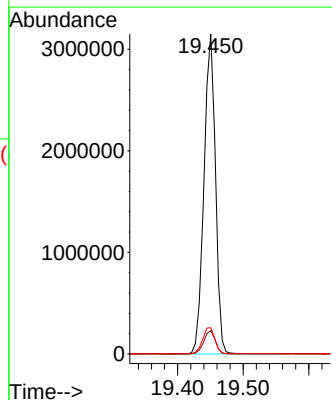
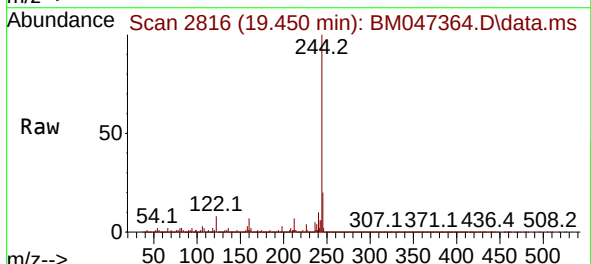
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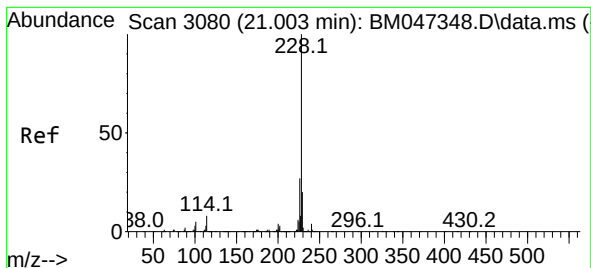
Tgt Ion:202 Resp: 503154
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 17.8 14.2 21.4



#79
Terphenyl-d14
Concen: 62.697 ng
RT: 19.450 min Scan# 2816
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Tgt Ion:244 Resp: 3844876
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 8.2 7.0 10.4





#81

Benzo(a)anthracene

Concen: 3.078 ng

RT: 21.009 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

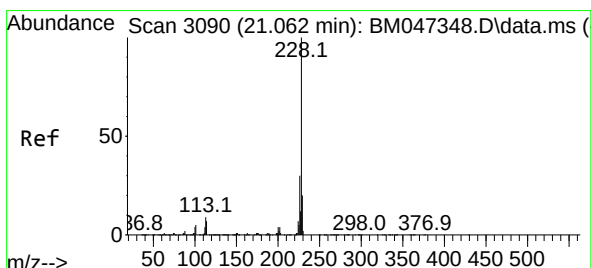
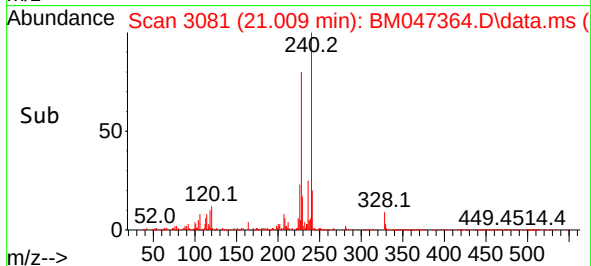
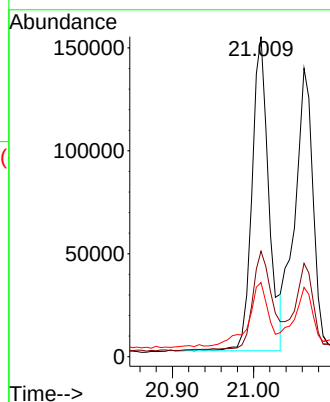
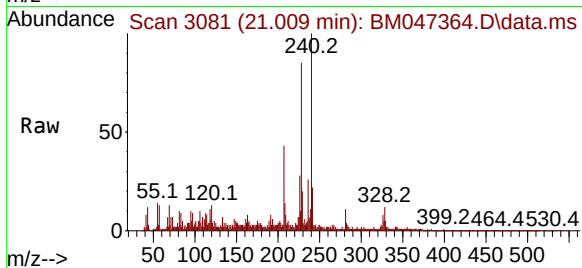
Tgt Ion:228 Resp: 219125

Ion Ratio Lower Upper

228 100

226 32.9 21.4 32.0#

229 23.2 15.8 23.8



#83

Chrysene

Concen: 3.272 ng

RT: 21.009 min Scan# 3081

Delta R.T. -0.053 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

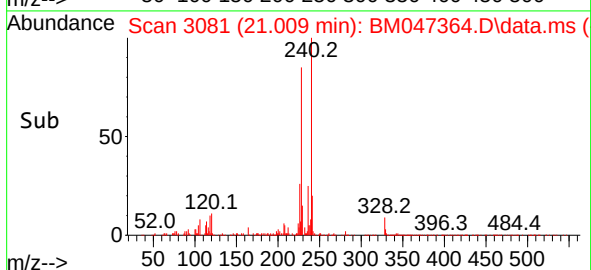
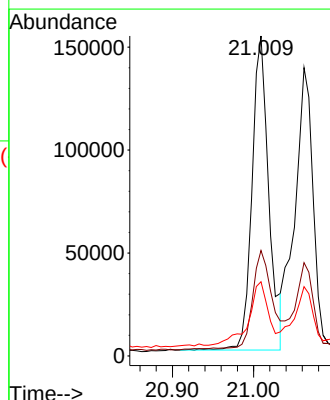
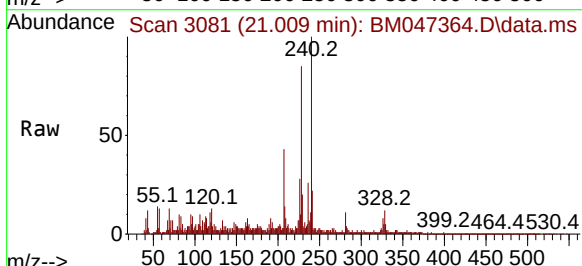
Tgt Ion:228 Resp: 219125

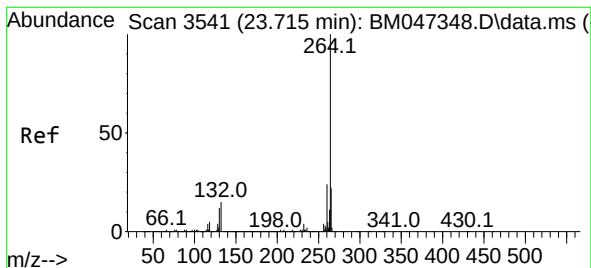
Ion Ratio Lower Upper

228 100

226 32.9 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: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

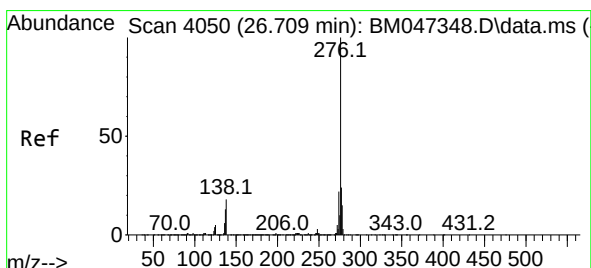
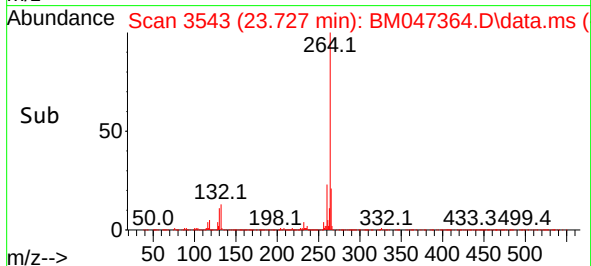
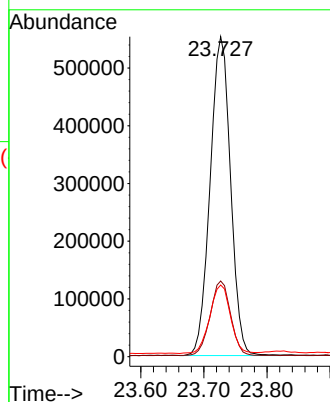
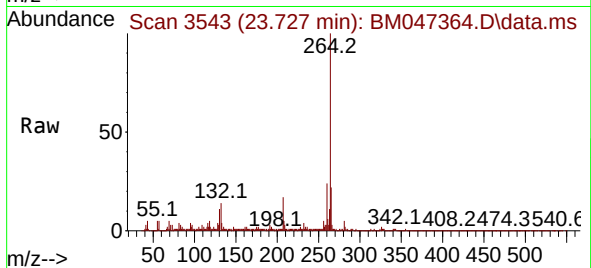
Tgt Ion:264 Resp: 1239398

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 22.4 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.566 ng

RT: 26.726 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

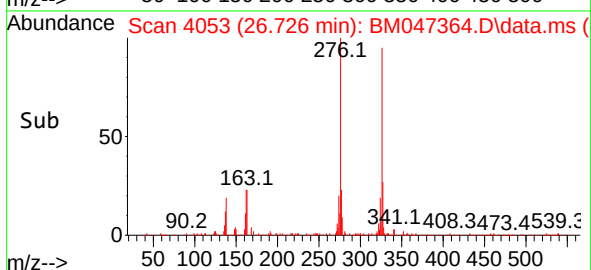
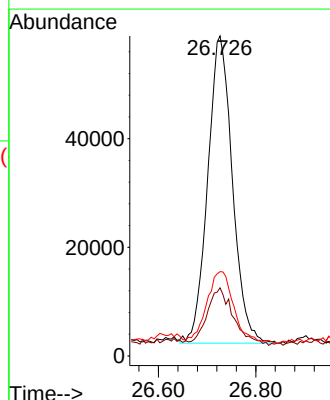
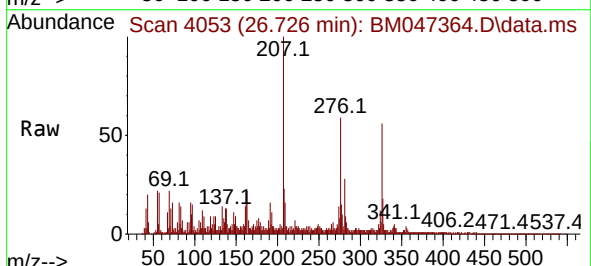
Tgt Ion:276 Resp: 199088

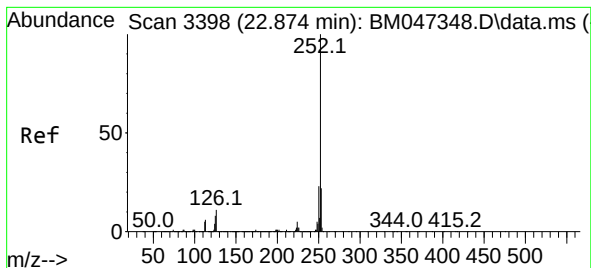
Ion Ratio Lower Upper

276 100

138 20.2 17.7 26.5

277 24.0 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 4.309 ng

RT: 22.886 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

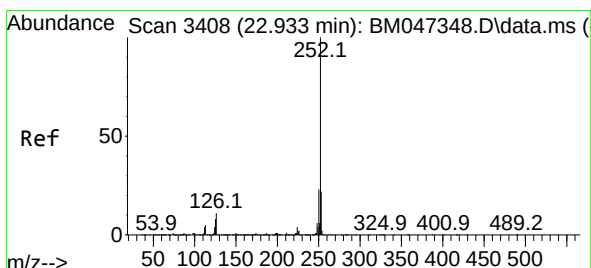
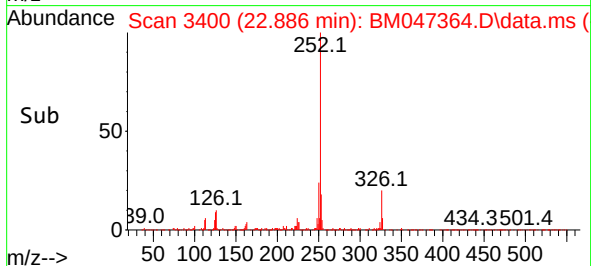
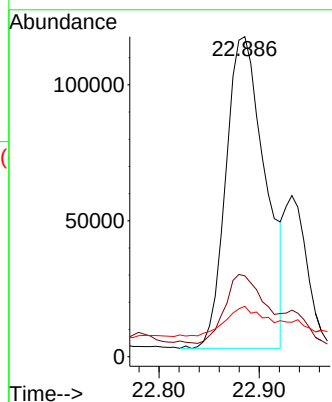
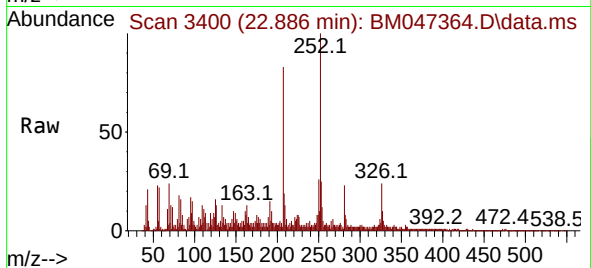
Tgt Ion:252 Resp: 311543

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 15.7 6.6 10.0#



#89

Benzo(k)fluoranthene

Concen: 4.545 ng

RT: 22.886 min Scan# 3400

Delta R.T. -0.047 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

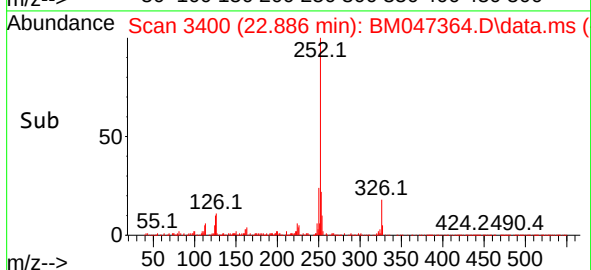
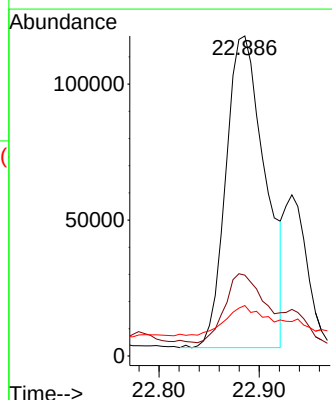
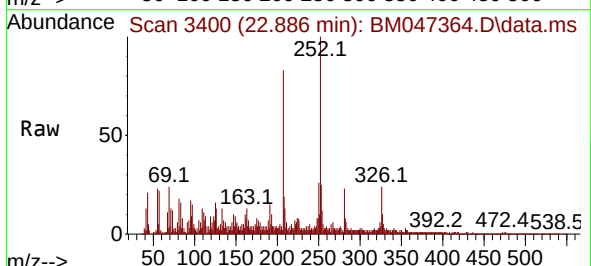
Tgt Ion:252 Resp: 311543

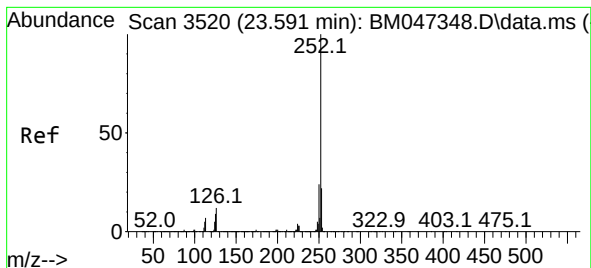
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 15.7 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 3.804 ng

RT: 23.597 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

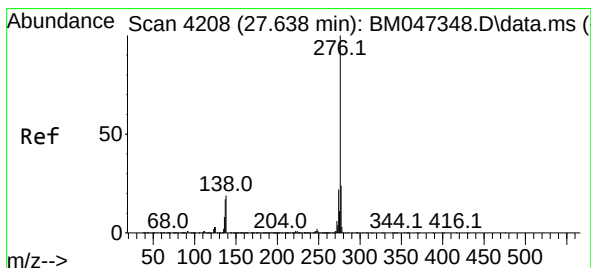
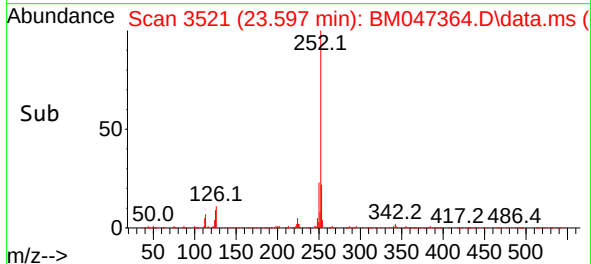
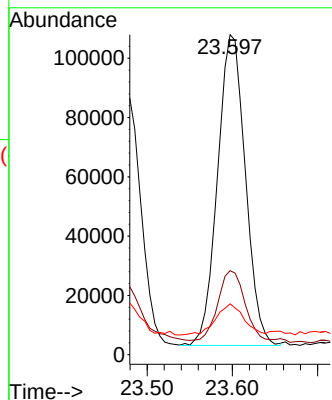
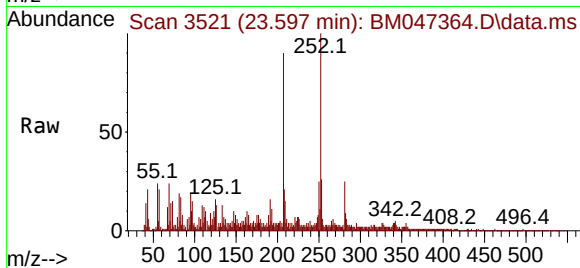
Tgt Ion:252 Resp: 237849

Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 15.9 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 3.501 ng

RT: 27.662 min Scan# 4212

Delta R.T. 0.023 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Tgt Ion:276 Resp: 228767

Ion Ratio Lower Upper

276 100

277 27.1 19.4 29.0

138 19.5 15.0 22.6

