

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)

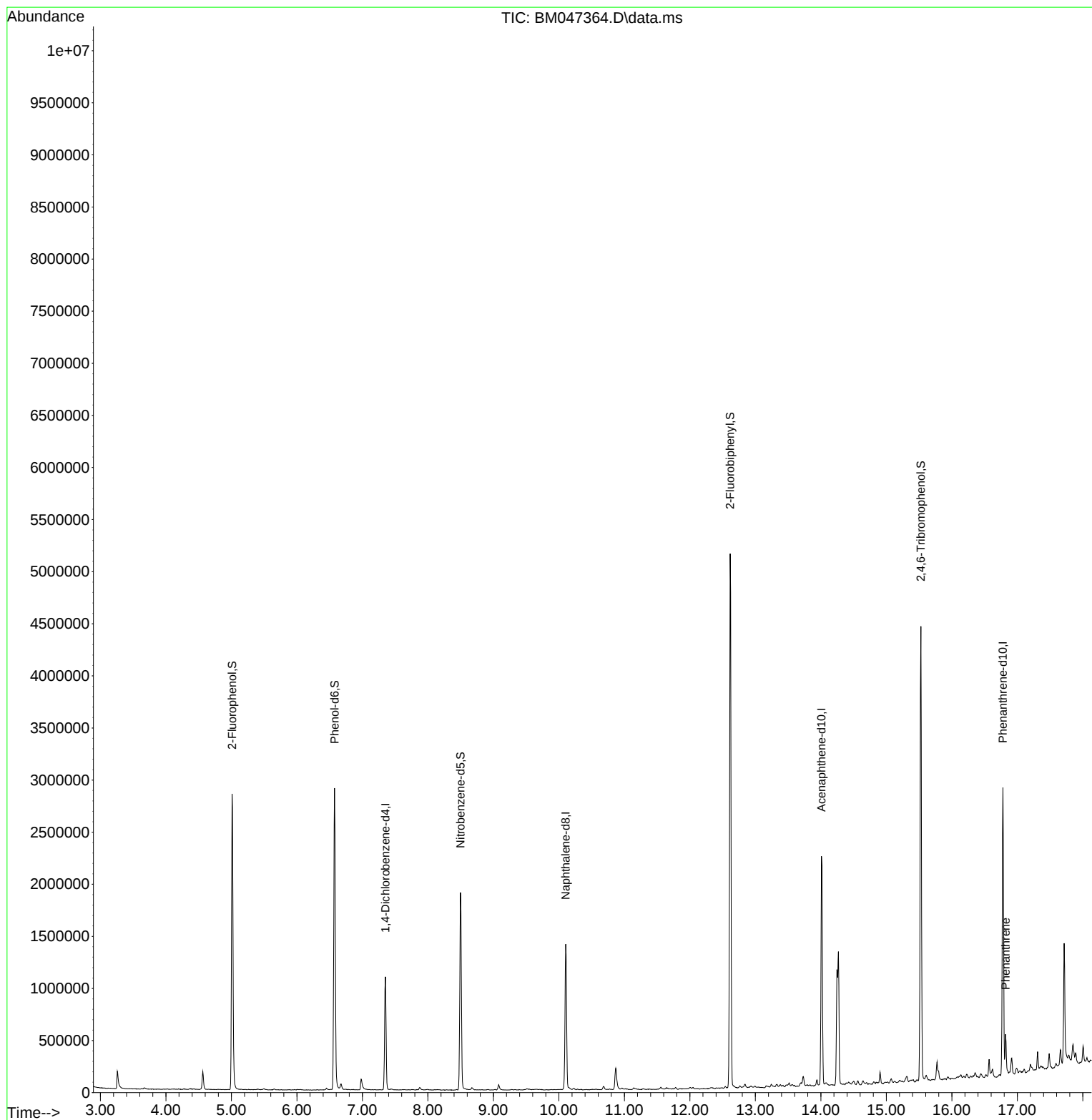
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	309495	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1177067	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	813800	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1677623	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1091560	20.000	ng	0.00
86) Perylene-d12	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
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	21.062	228	217247m	3.244	ng	
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
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

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

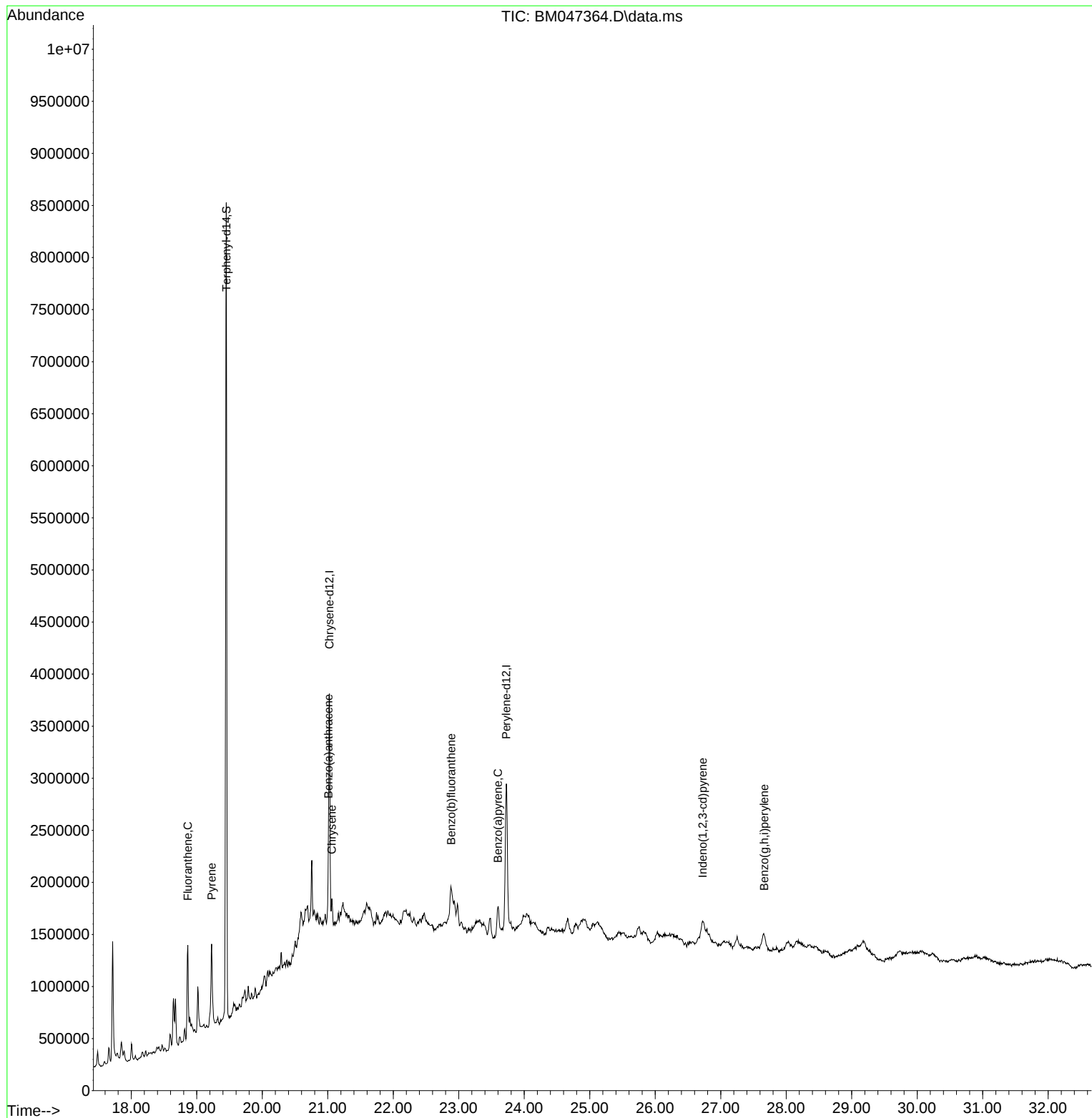
Quant Time: Aug 27 15:58:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration



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

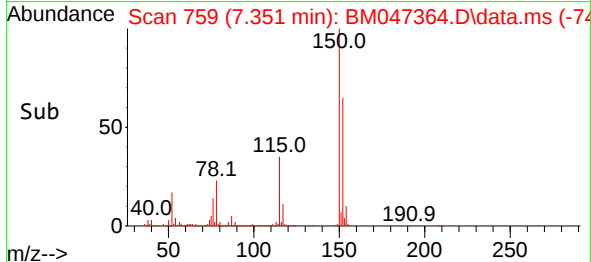
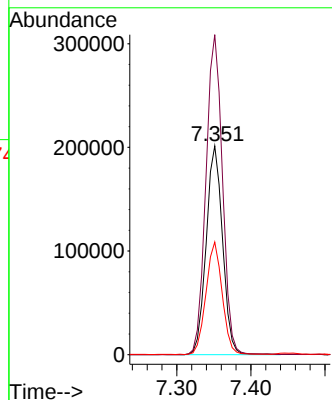
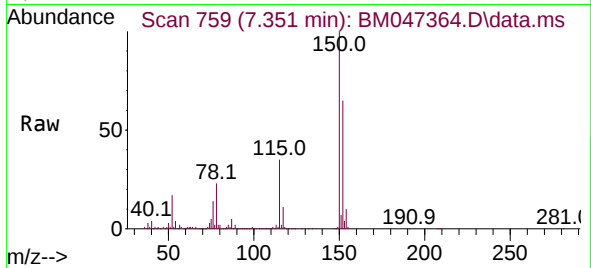




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

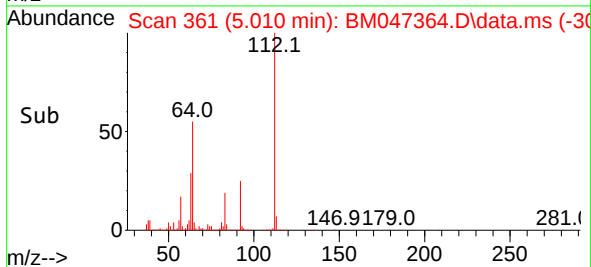
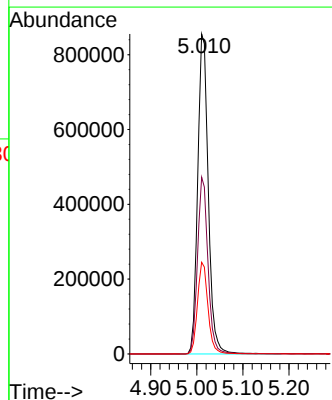
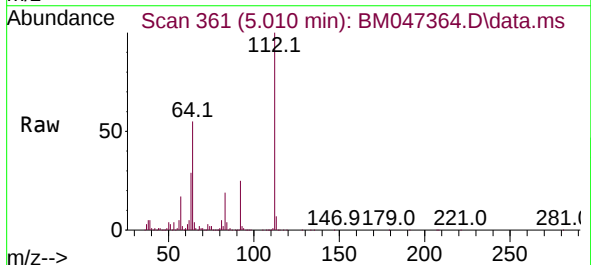
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

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



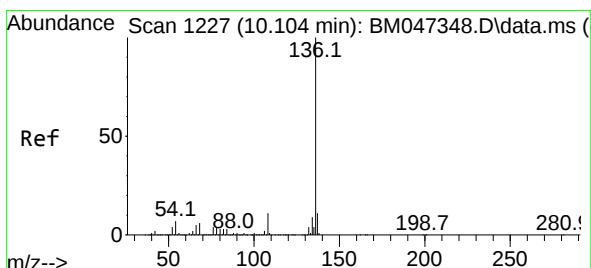
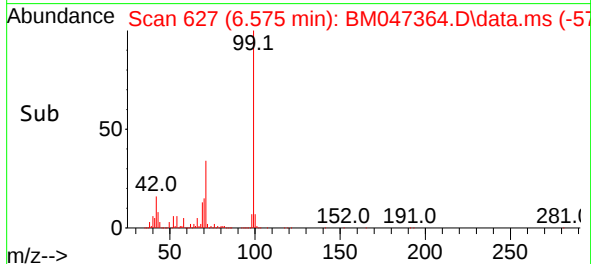
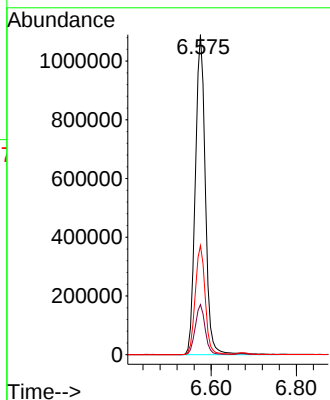
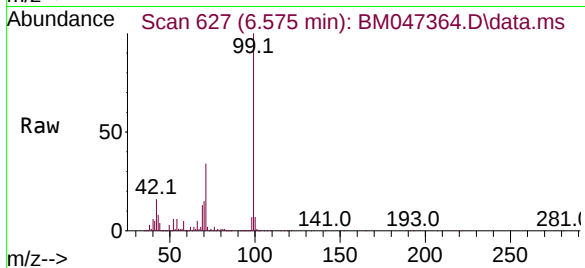


#7
Phenol-d6
Concen: 81.145 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

Tgt Ion: 99 Resp: 1783201

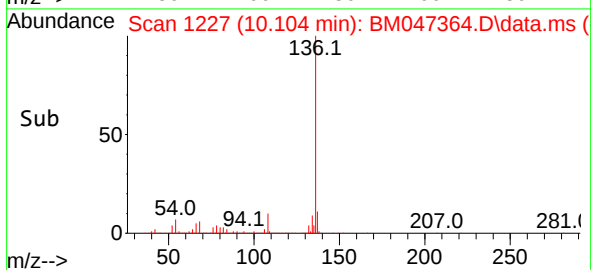
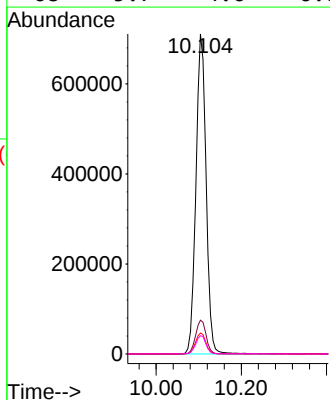
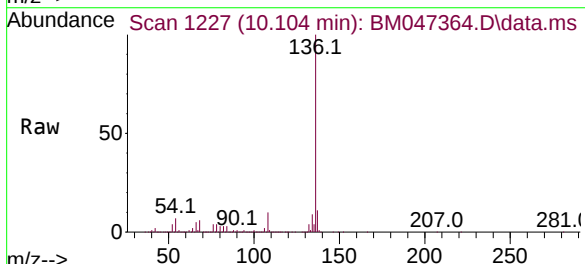
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.0	19.4
71	34.1	27.5	41.3

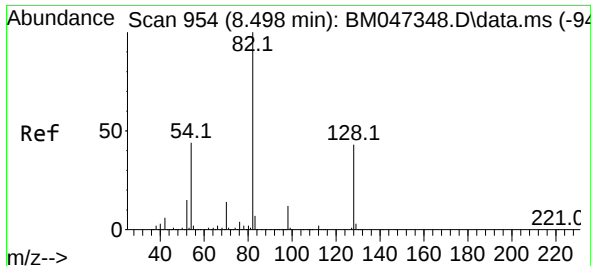


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

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

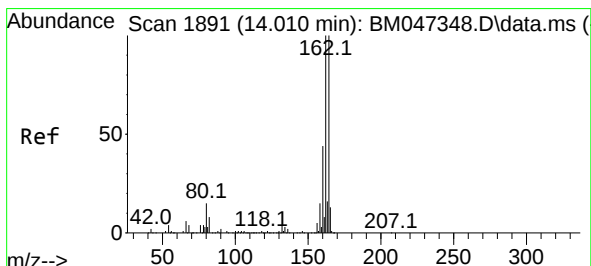
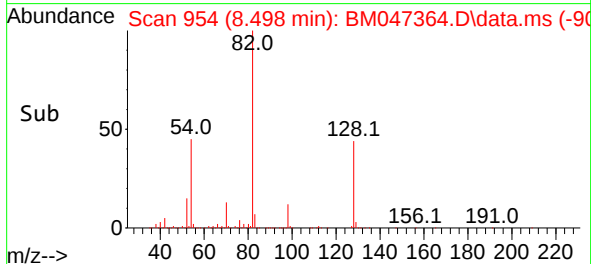
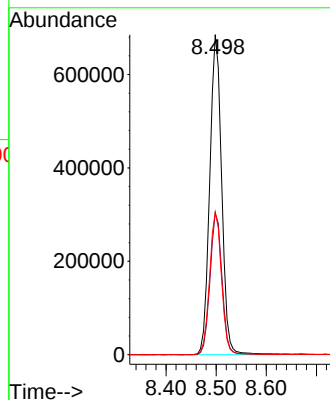
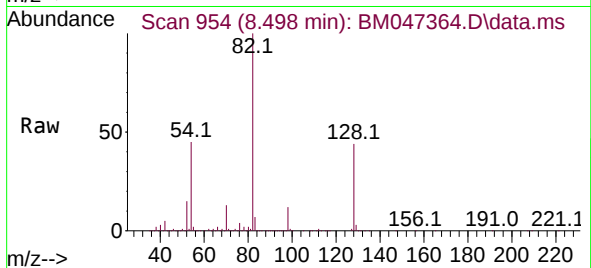




#23
Nitrobenzene-d5
Concen: 53.314 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

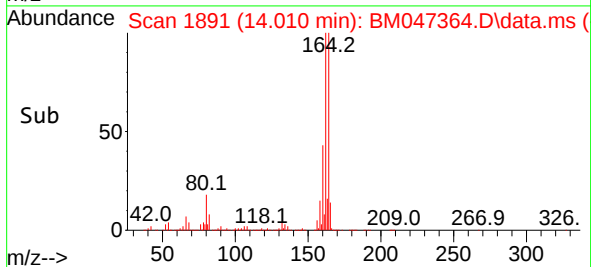
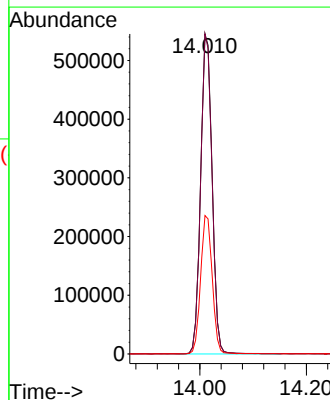
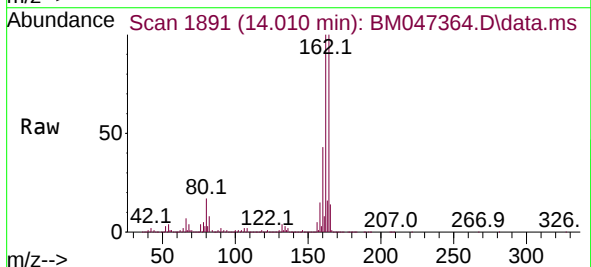
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

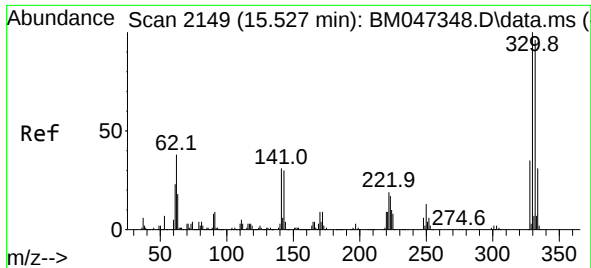
Tgt Ion: 82 Resp: 1131003
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 44.6 35.5 53.3



#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

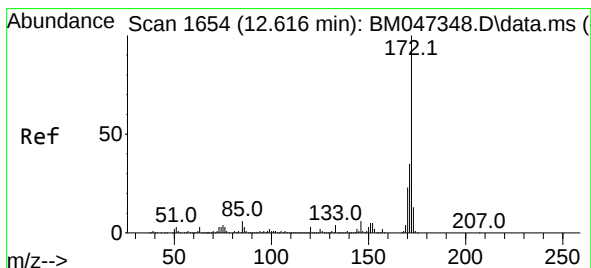
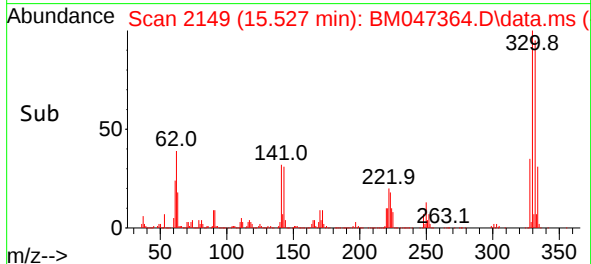
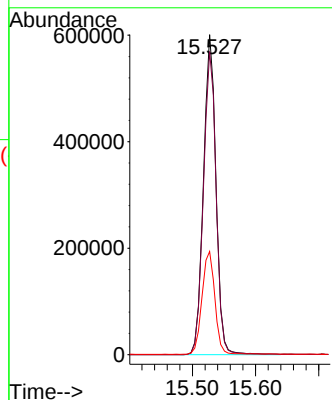
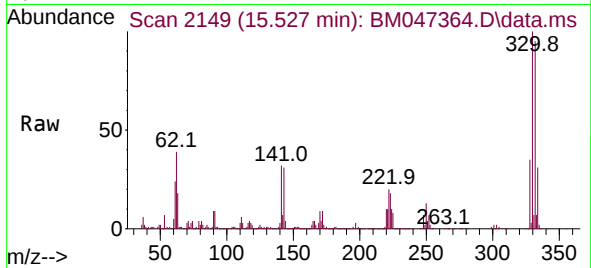




#42
2,4,6-Tribromophenol
Concen: 84.347 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

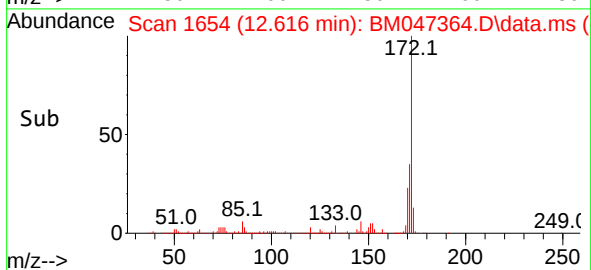
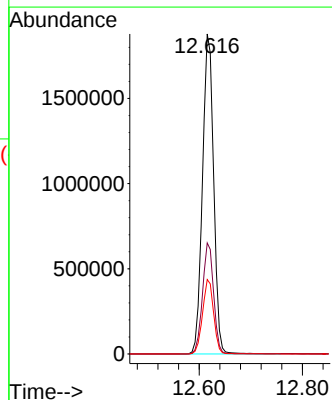
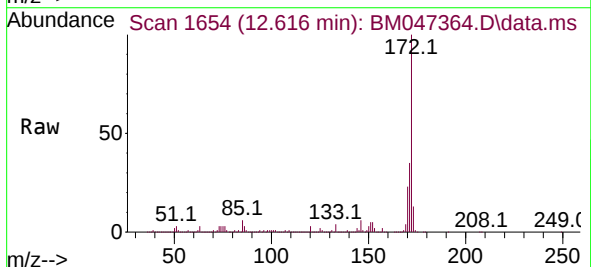
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

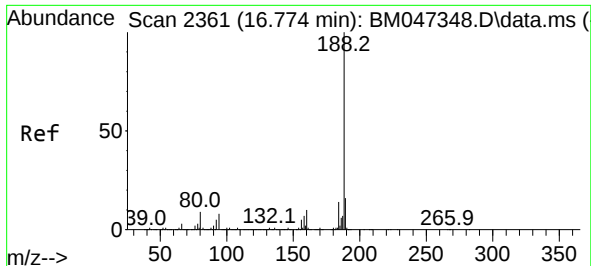
Tgt Ion:330 Resp: 828148
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 32.9 27.6 41.4



#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

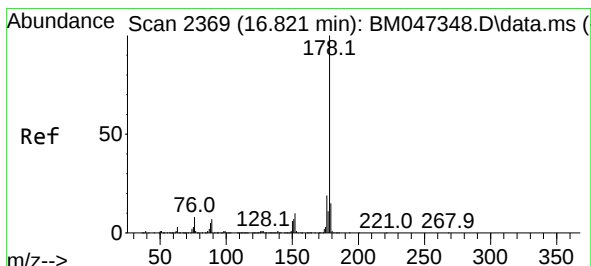
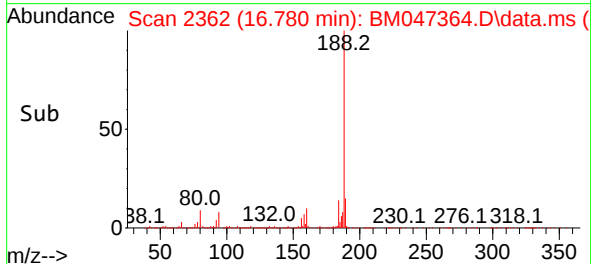
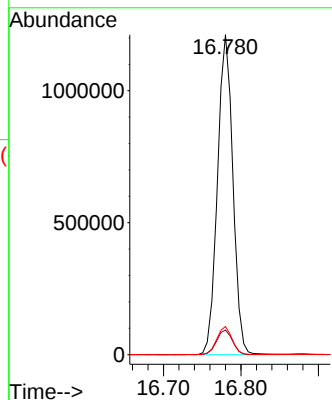
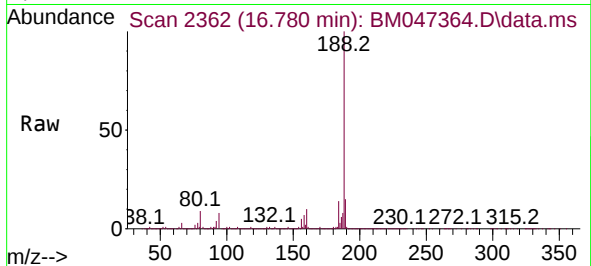




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

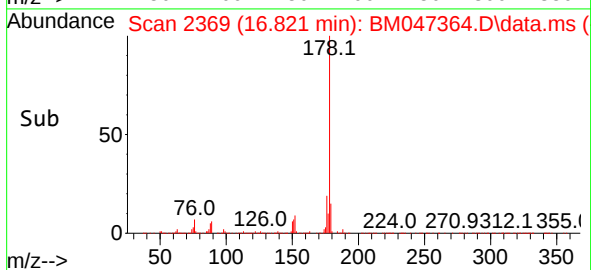
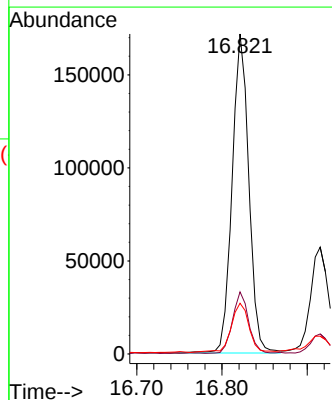
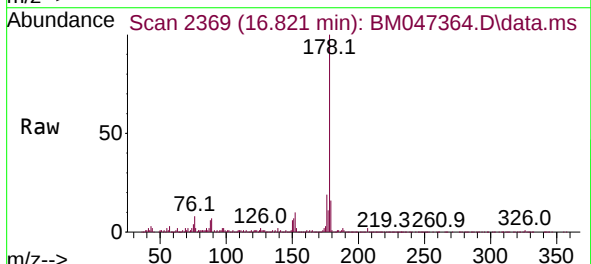
Instrument :
BNA_M
ClientSampleId :
TR-05-08262024

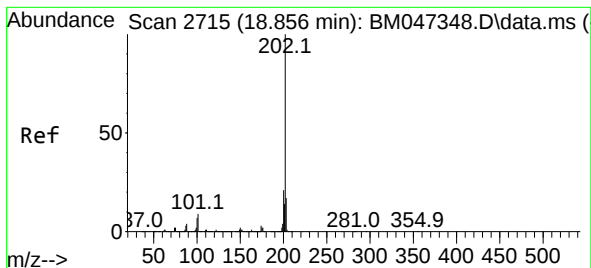
Tgt Ion:188 Resp: 1677623
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.8 7.4 11.2



#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

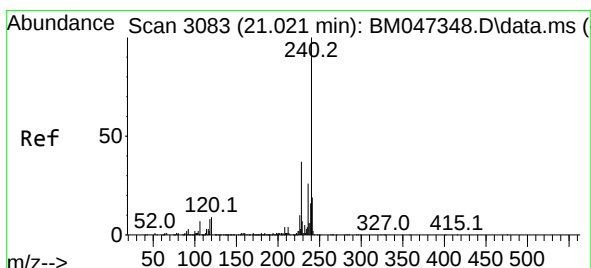
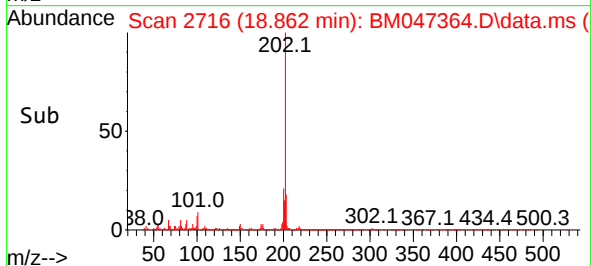
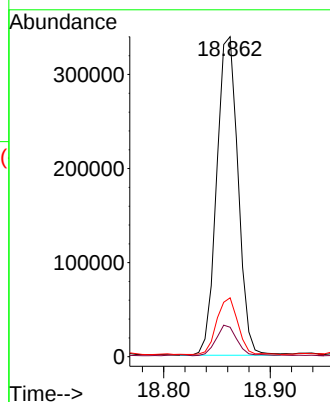
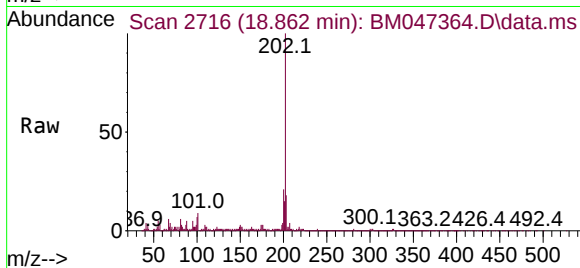
Tgt Ion:202 Resp: 471357

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

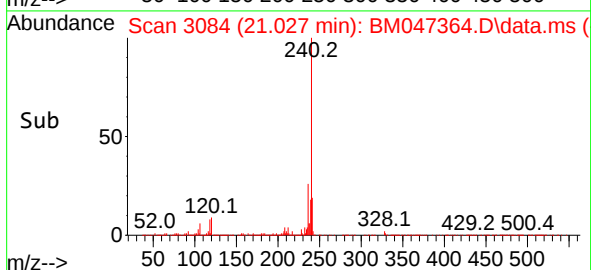
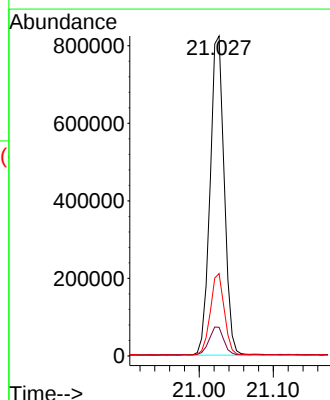
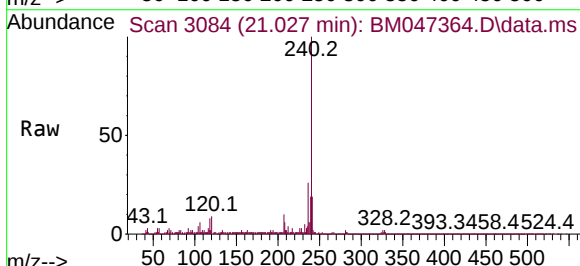
Tgt Ion:240 Resp: 1091560

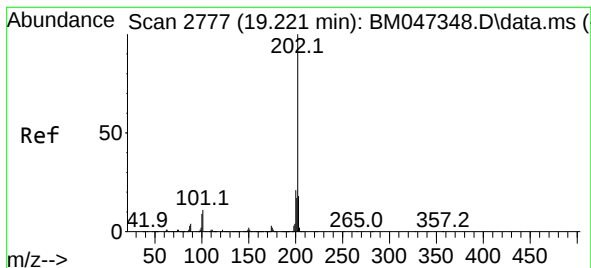
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

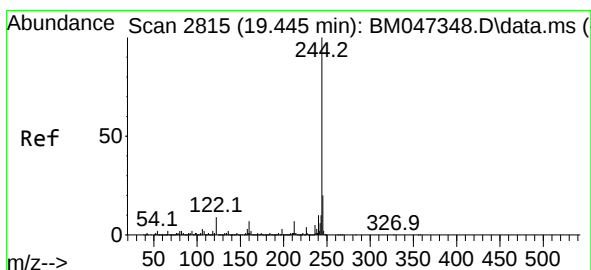
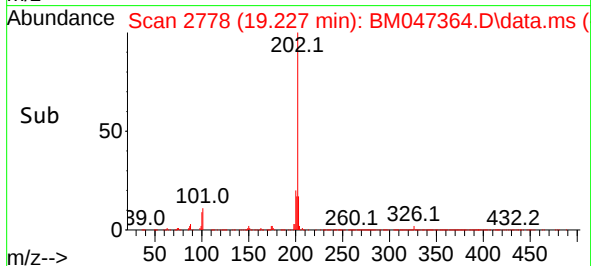
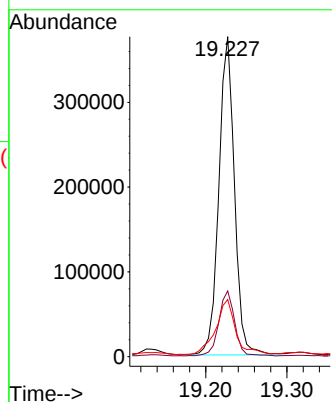
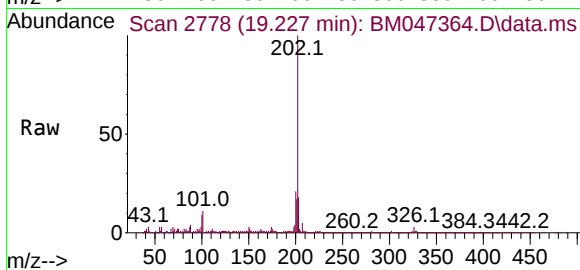
Tgt Ion:202 Resp: 503154

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

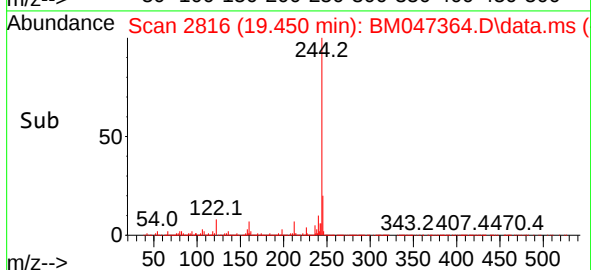
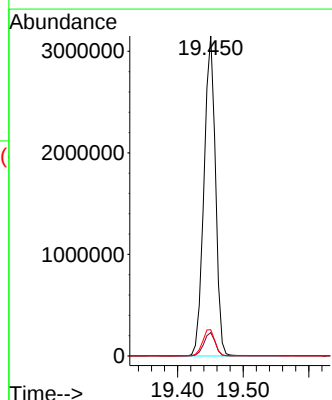
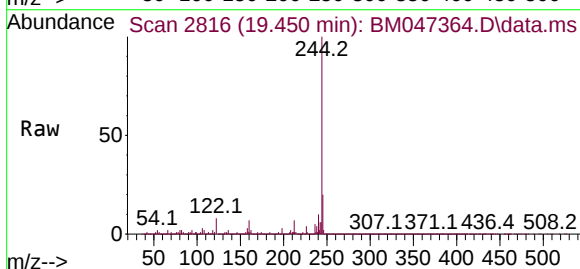
Tgt Ion:244 Resp: 3844876

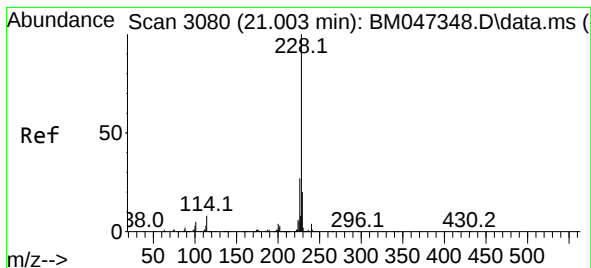
Ion Ratio Lower Upper

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# 3080

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

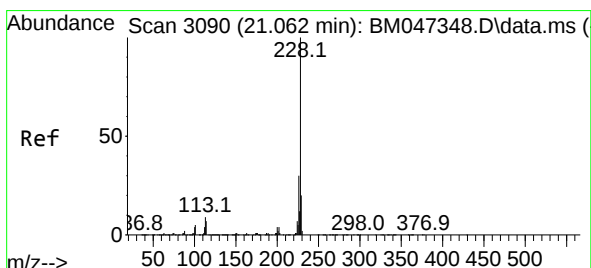
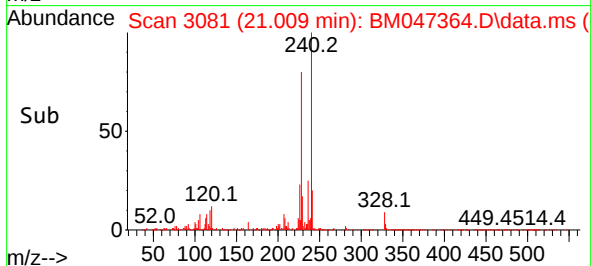
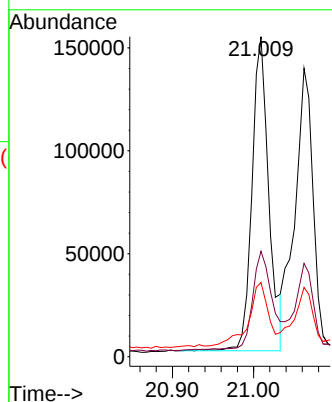
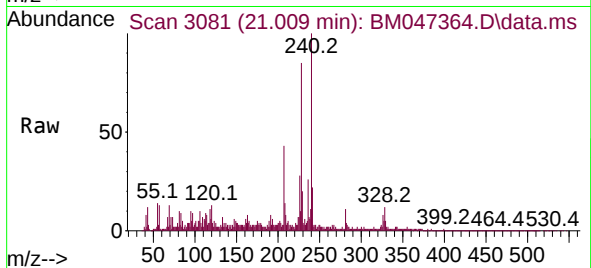
Tgt Ion:228 Resp: 219125

Ion Ratio Lower Upper

228 100

226 32.9 21.4 32.0#

229 23.2 15.8 23.8



#83

Chrysene

Concen: 3.244 ng m

RT: 21.062 min Scan# 3090

Delta R.T. -0.000 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

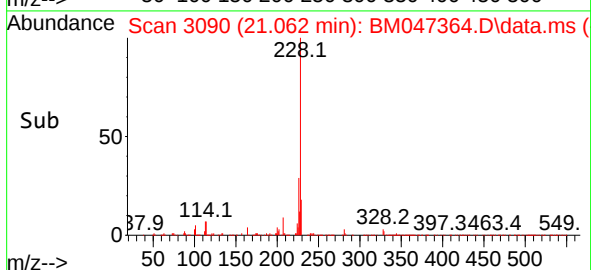
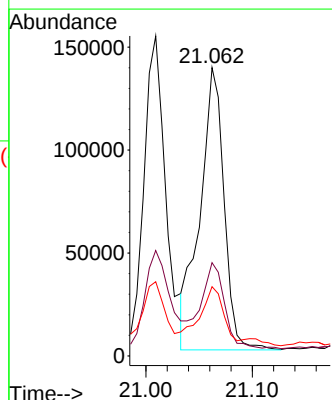
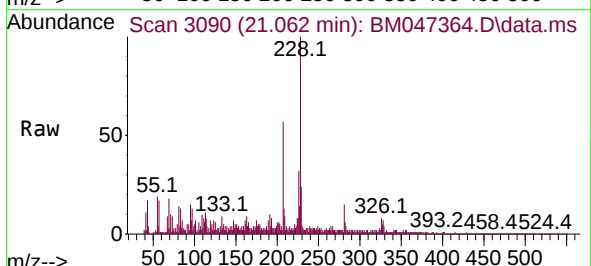
Tgt Ion:228 Resp: 217247

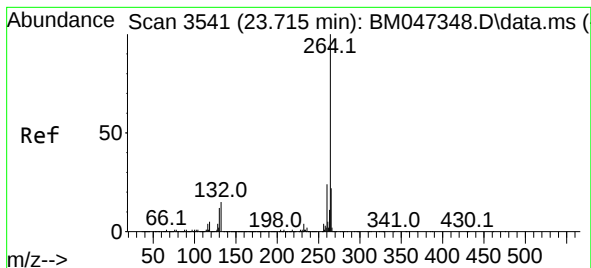
Ion Ratio Lower Upper

228 100

226 32.3 24.0 36.0

229 24.0 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

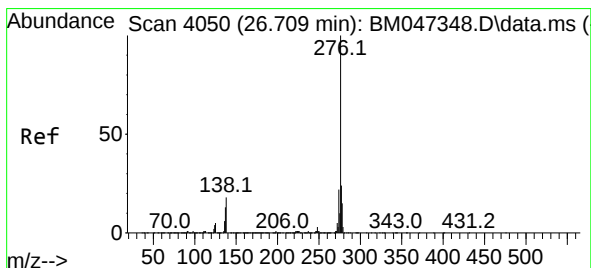
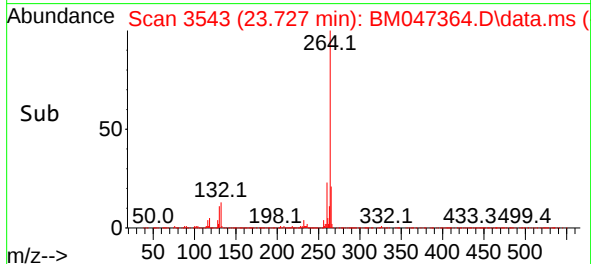
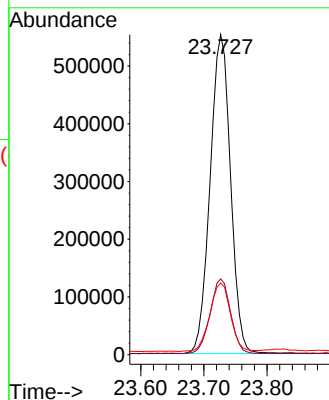
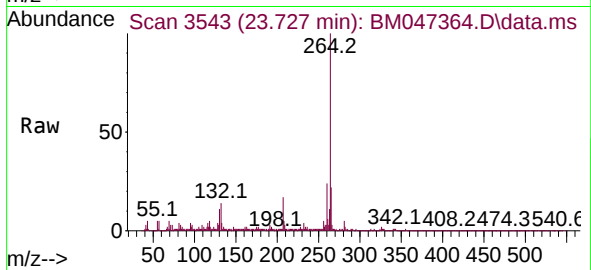
Tgt Ion:264 Resp: 1239398

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

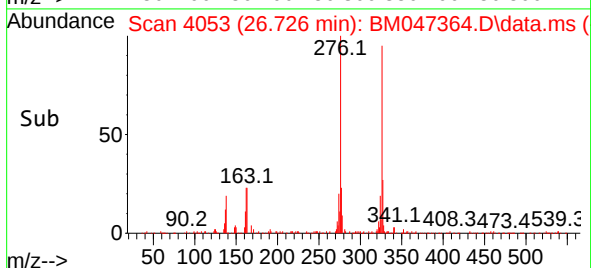
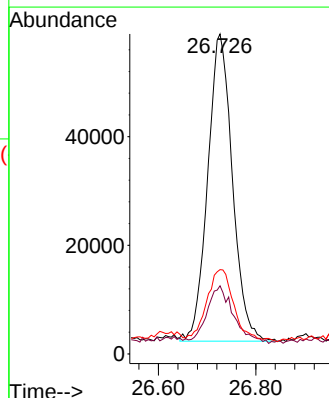
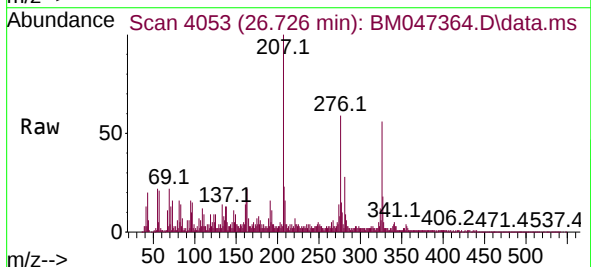
Tgt Ion:276 Resp: 199088

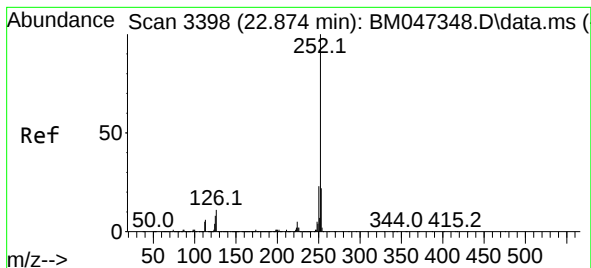
Ion Ratio Lower Upper

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# 34

Delta R.T. 0.012 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

Instrument :

BNA_M

ClientSampleId :

TR-05-08262024

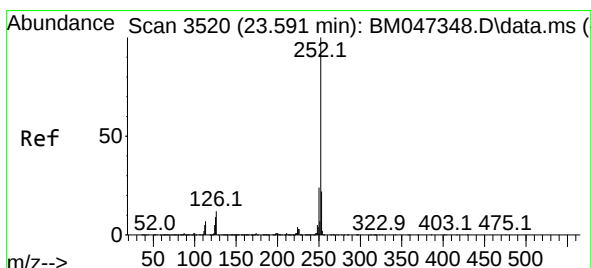
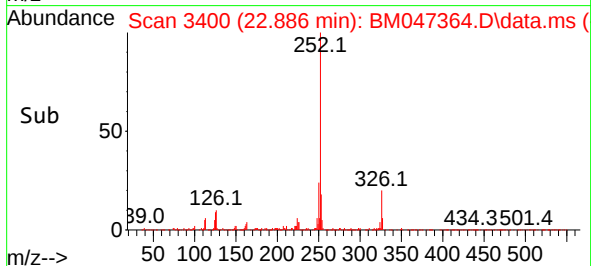
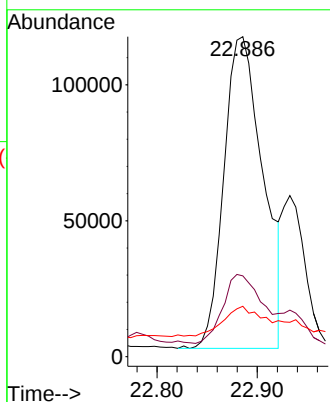
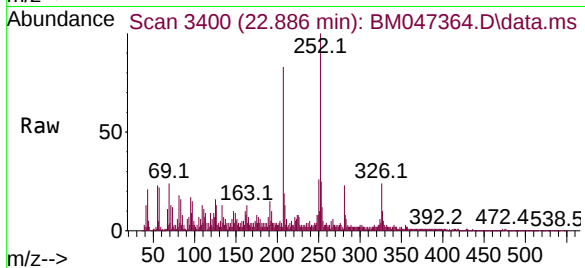
Tgt Ion:252 Resp: 311543

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 15.7 6.6 10.0#



#90

Benzo(a)pyrene

Concen: 3.804 ng

RT: 23.597 min Scan# 3521

Delta R.T. 0.006 min

Lab File: BM047364.D

Acq: 27 Aug 2024 15:17

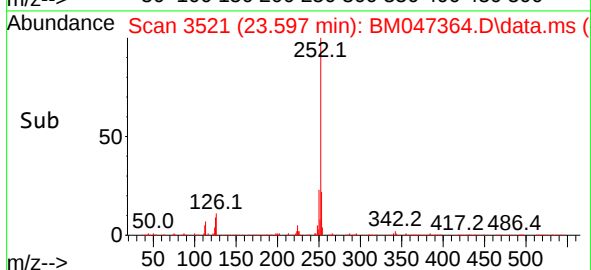
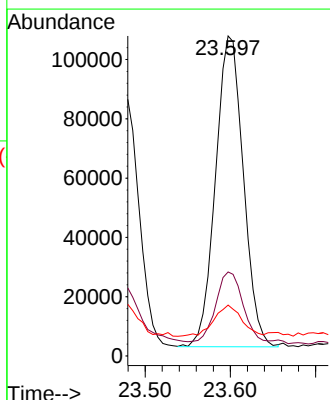
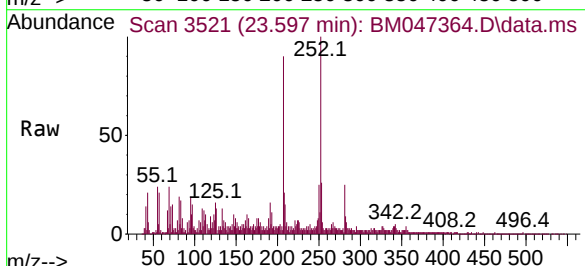
Tgt Ion:252 Resp: 237849

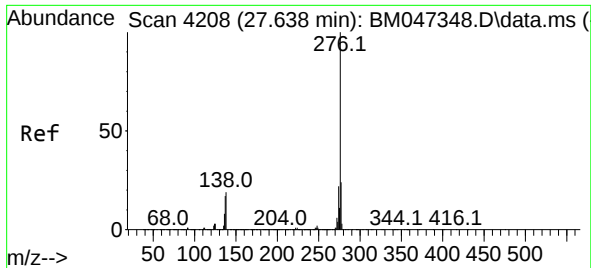
Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

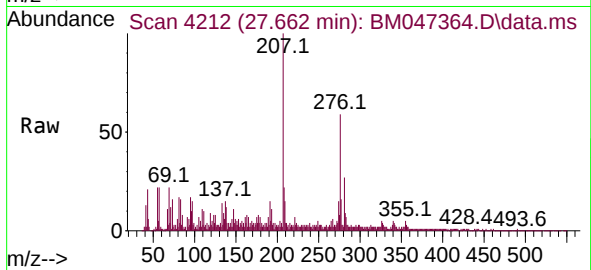
125 15.9 7.4 11.2#





#92
Benzo(g,h,i)perylene
Concen: 3.501 ng
RT: 27.662 min Scan# 41
Delta R.T. 0.023 min
Lab File: BM047364.D
Acq: 27 Aug 2024 15:17

Instrument :
BNA_M
ClientSampleId :
TR-05-08262024



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

