

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
 Data File : BM047395.D
 Acq On : 29 Aug 2024 15:46
 Operator : RC/JU
 Sample : P3775-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-0-0.5-082824

Quant Time: Aug 29 16:27:18 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)

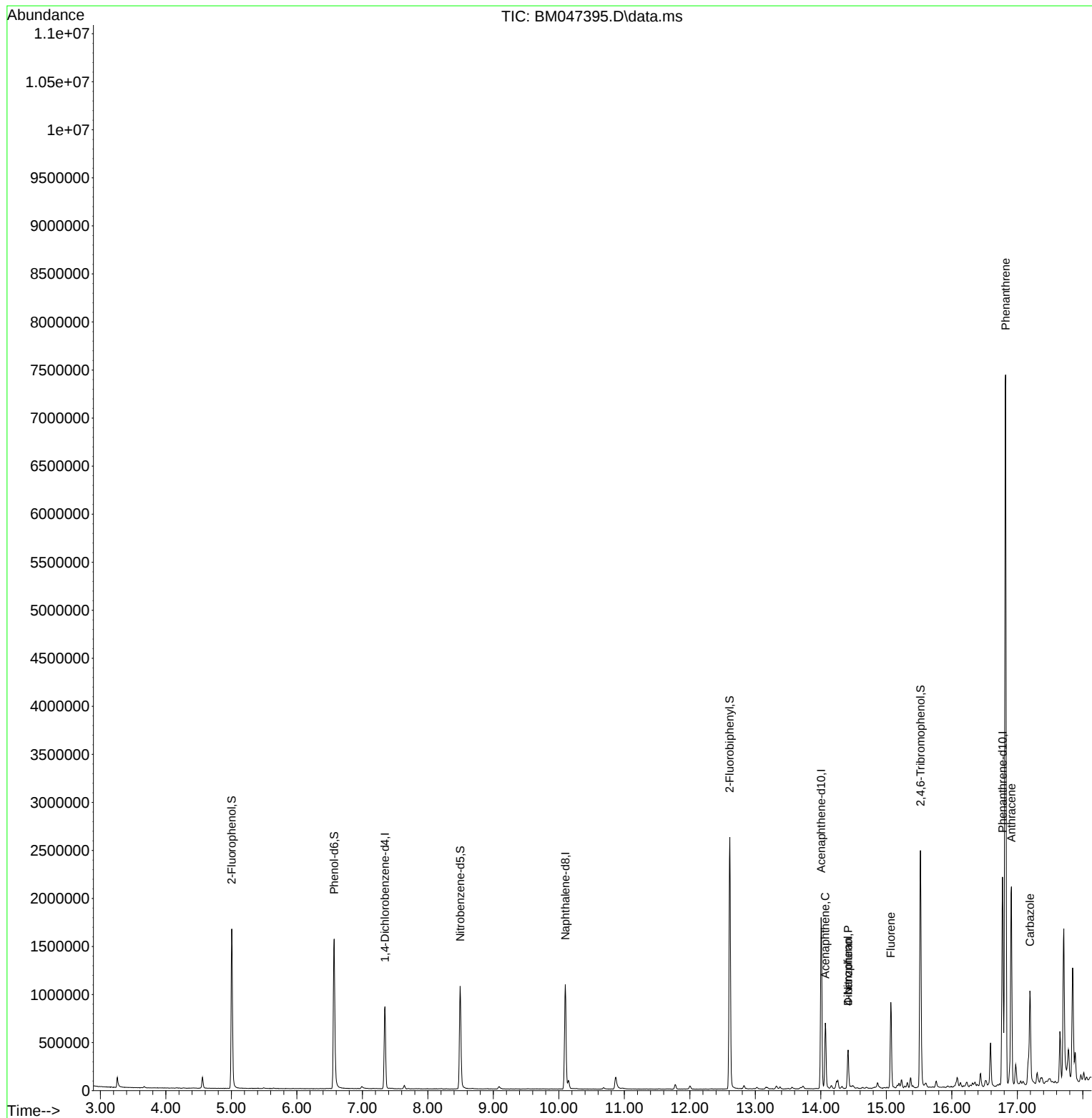
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.346	152	249344	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	940140	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	644571	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1355835	20.000	ng	0.00
76) Chrysene-d12	21.015	240	1050738	20.000	ng	0.00
86) Perylene-d12	23.715	264	1053731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.005	112	760517	58.517	ng	0.00
7) Phenol-d6	6.569	99	1001599	56.573	ng	0.00
23) Nitrobenzene-d5	8.493	82	659051	38.896	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	475273	61.115	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1483315	35.359	ng	0.00
79) Terphenyl-d14	19.439	244	2155133	36.508	ng	0.00
Target Compounds						
9) Benzaldehyde	6.510	77	152	Below Cal	Qvalue # 18	
52) Acenaphthene	14.069	154	242108	7.440 ng	100	
55) Dibenzofuran	14.416	168	279521	5.333 ng	99	
56) 4-Nitrophenol	14.416	139	94858	12.718 ng	# 10	
58) Fluorene	15.069	166	403124	9.503 ng	98	
71) Phenanthrene	16.821	178	4696604	71.328 ng	100	
72) Anthracene	16.910	178	1305710	20.342 ng	99	
73) Carbazole	17.192	167	628578	10.205 ng	99	
75) Fluoranthene	18.857	202	5685527	73.538 ng	99	
78) Pyrene	19.221	202	4497388	55.807 ng	100	
81) Benzo(a)anthracene	21.003	228	2015117	29.408 ng	99	
83) Chrysene	21.056	228	1705182	26.455 ng	98	
87) Indeno(1,2,3-cd)pyrene	26.715	276	820935	12.445 ng	96	
88) Benzo(b)fluoranthene	22.874	252	1863448	30.311 ng	99	
89) Benzo(k)fluoranthene	22.874	252	1863448	31.975 ng	98	
90) Benzo(a)pyrene	23.592	252	1316435	24.762 ng	99	
92) Benzo(g,h,i)perylene	27.650	276	773670	13.926 ng	100	

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

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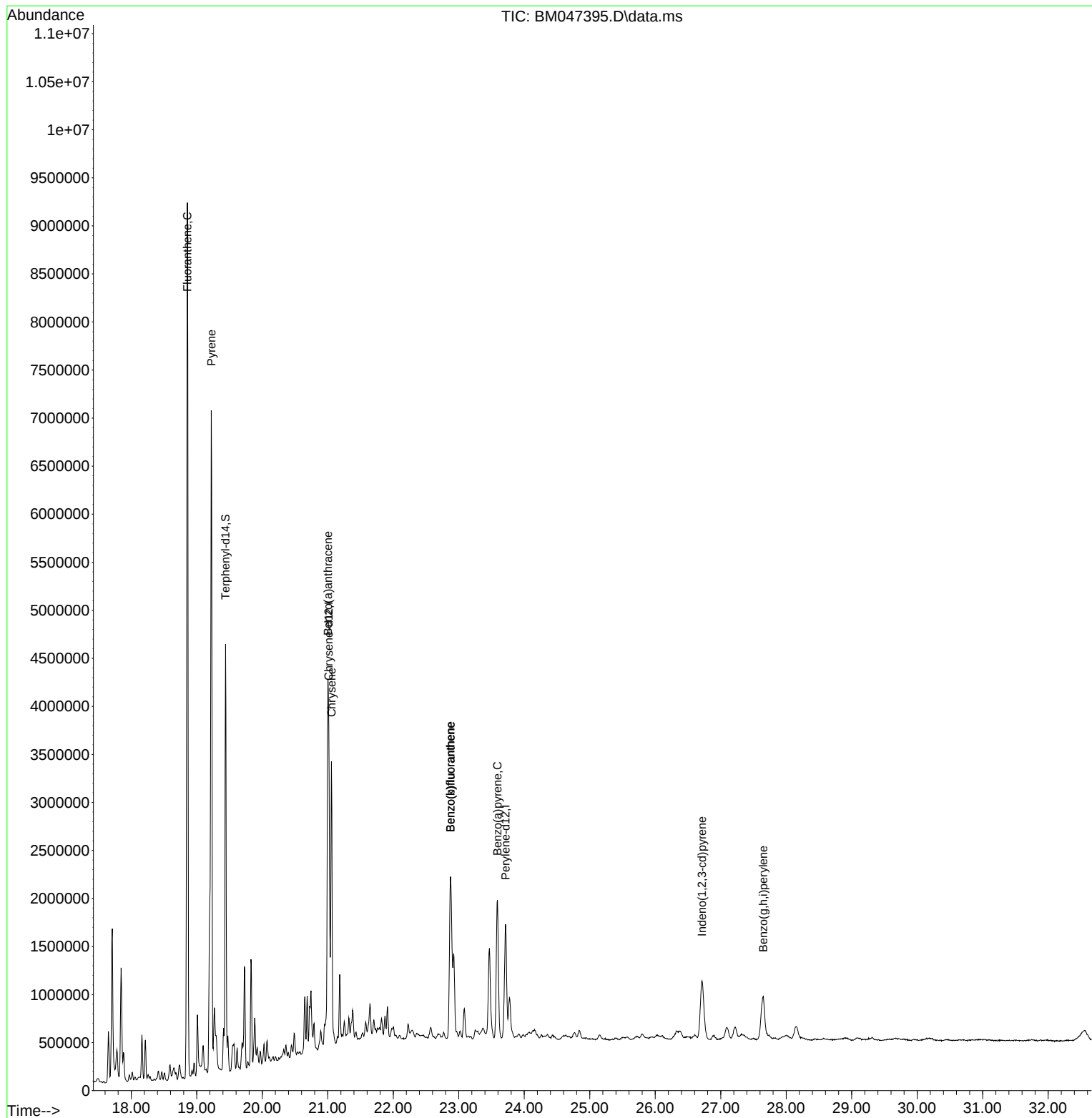
Quant Time: Aug 29 16:27:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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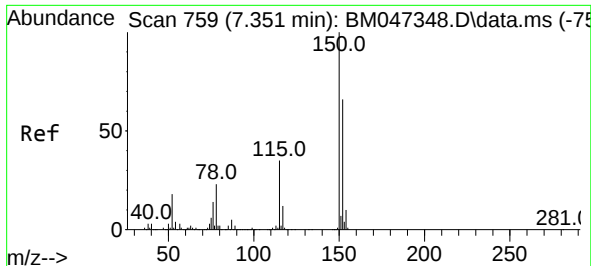


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
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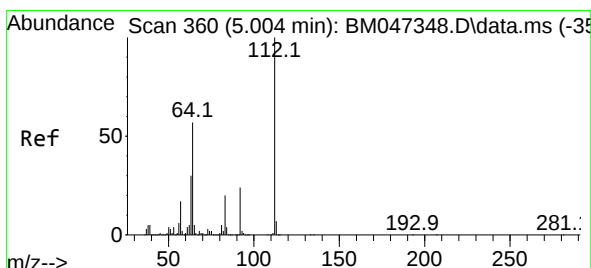
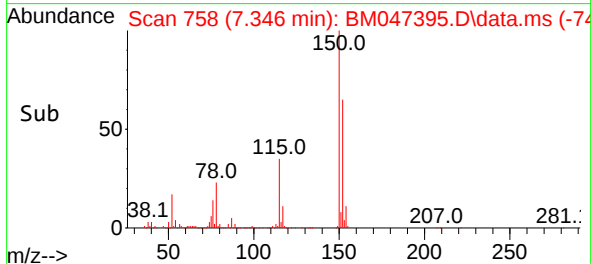
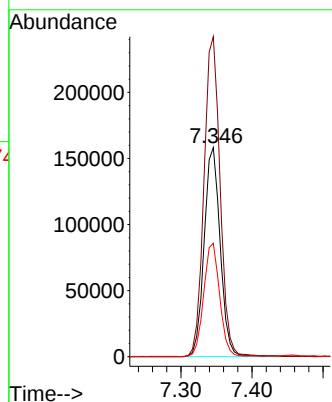
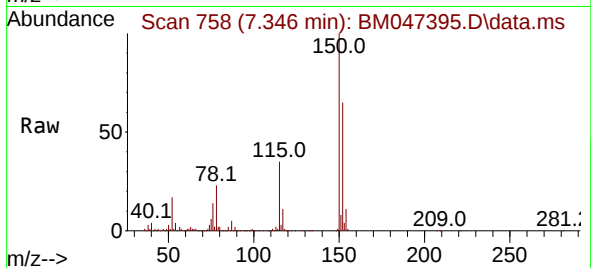




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.346 min Scan# 759
Delta R.T. -0.005 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

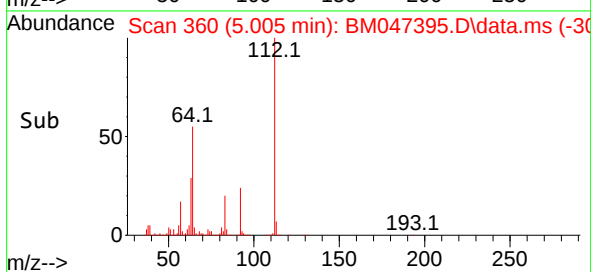
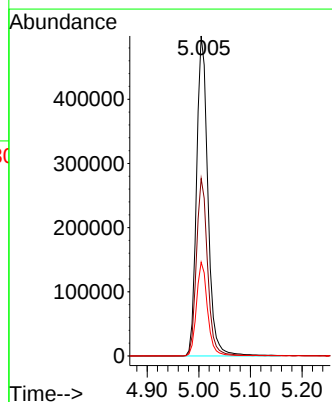
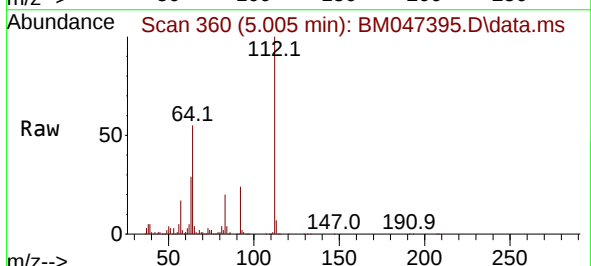
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824

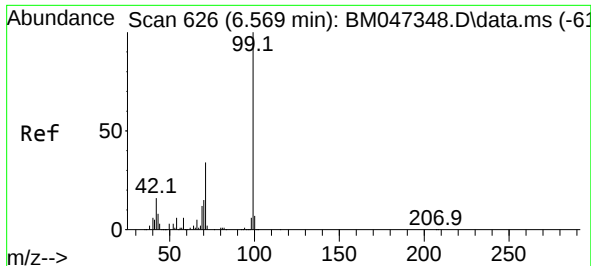
Tgt Ion:152 Resp: 249344
Ion Ratio Lower Upper
152 100
150 153.0 121.3 181.9
115 54.2 42.6 64.0



#5
2-Fluorophenol
Concen: 58.517 ng
RT: 5.005 min Scan# 360
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion:112 Resp: 760517
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 29.3 23.8 35.8

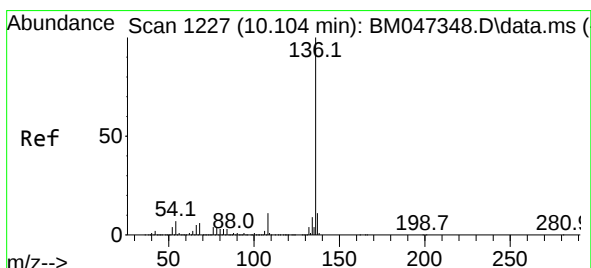
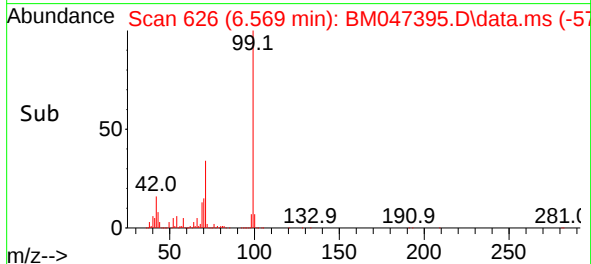
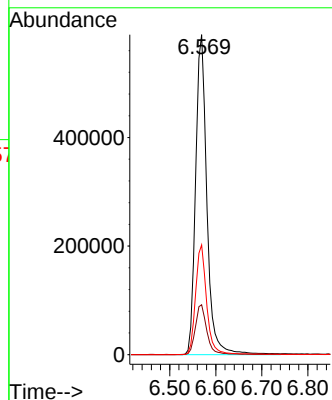
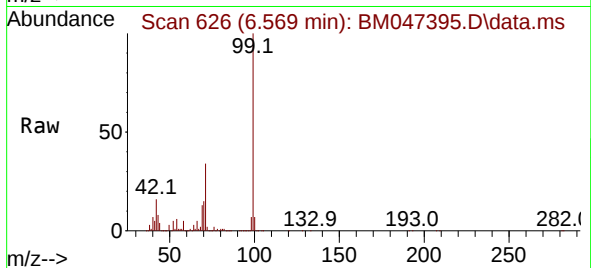




#7
Phenol-d6
Concen: 56.573 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

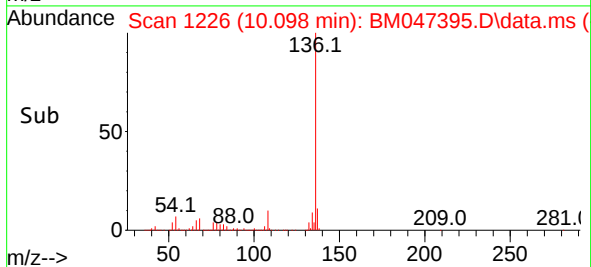
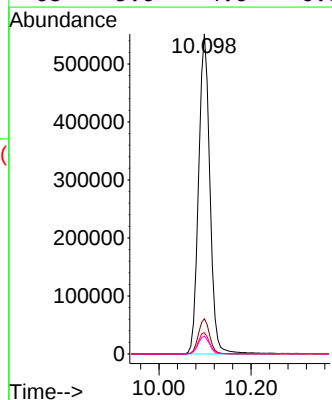
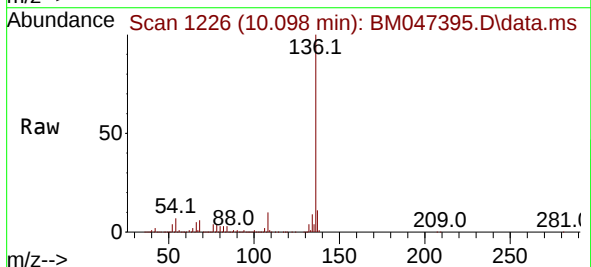
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824

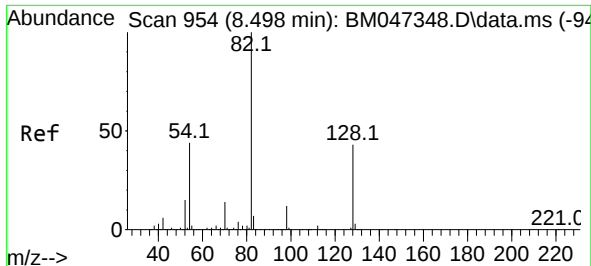
Tgt Ion: 99 Resp: 1001599
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 34.3 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion: 136 Resp: 940140
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.2 7.8
68 5.6 4.6 6.8

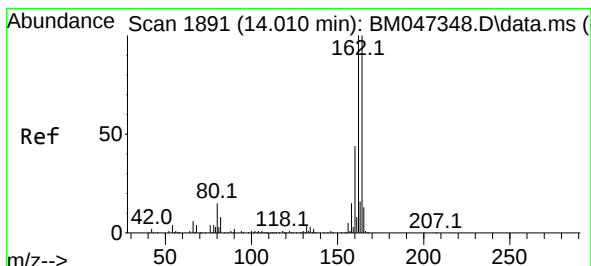
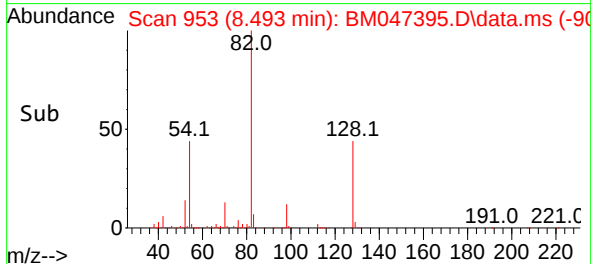
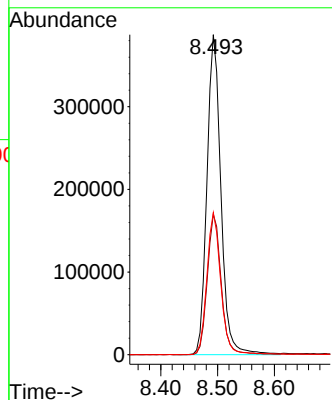
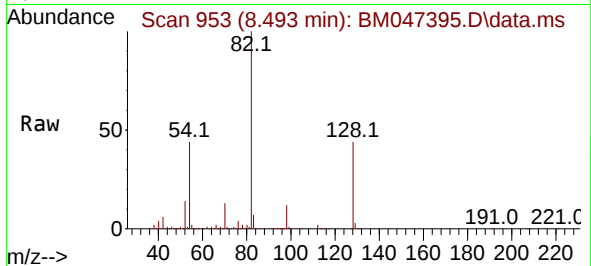




#23
Nitrobenzene-d5
Concen: 38.896 ng
RT: 8.493 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

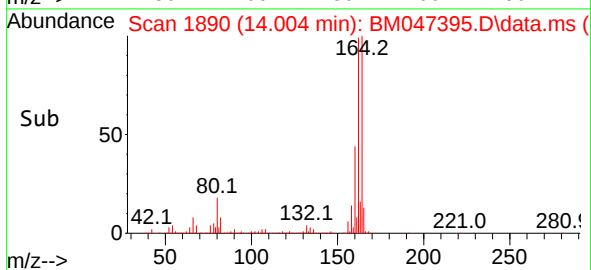
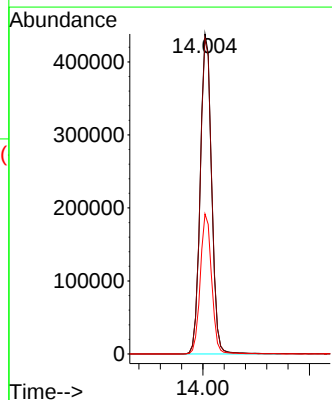
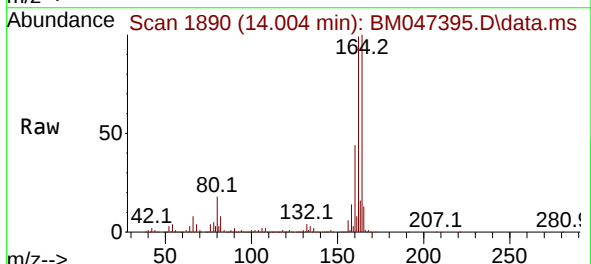
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824

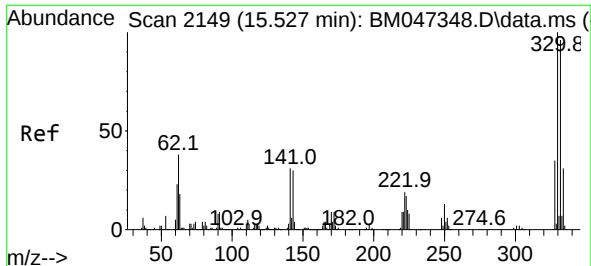
Tgt Ion: 82 Resp: 659051
Ion Ratio Lower Upper
82 100
128 43.9 34.6 51.8
54 44.4 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion: 164 Resp: 644571
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 43.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 61.115 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047395.D

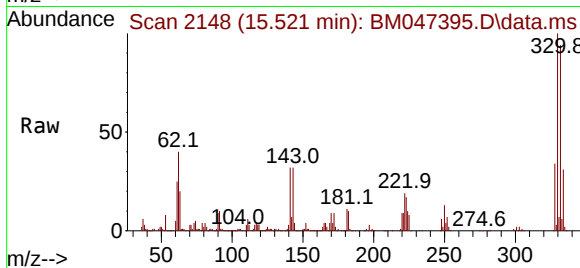
Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824



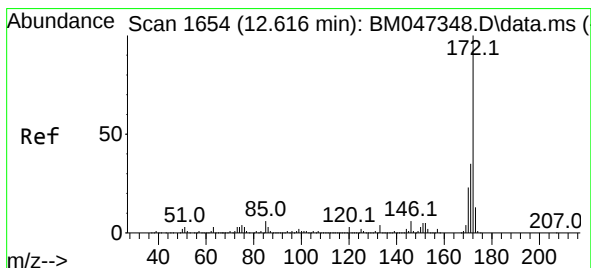
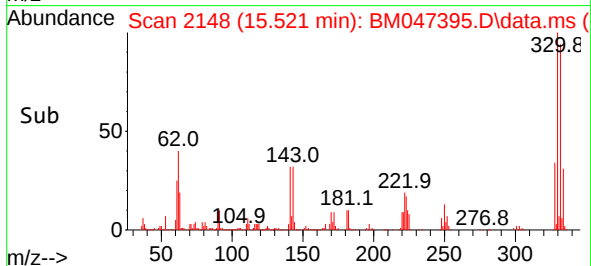
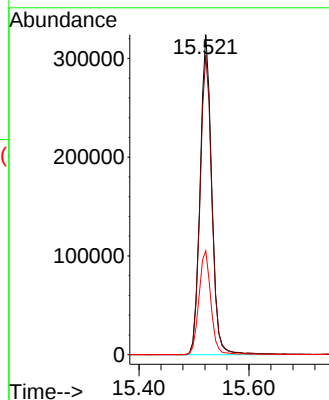
Tgt Ion:330 Resp: 475273

Ion Ratio Lower Upper

330 100

332 95.4 77.2 115.8

141 33.0 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 35.359 ng

RT: 12.610 min Scan# 1653

Delta R.T. -0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

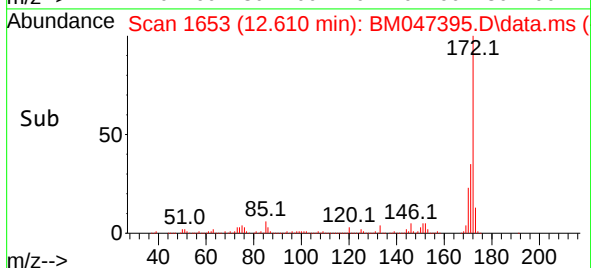
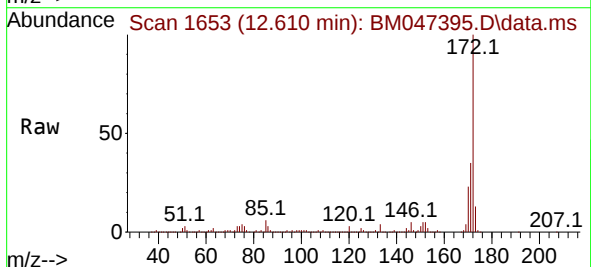
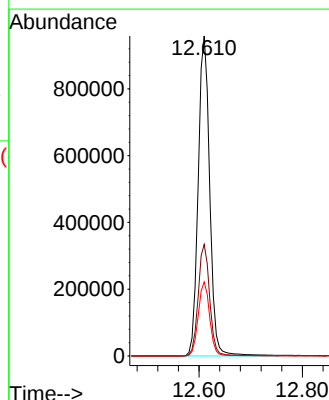
Tgt Ion:172 Resp: 1483315

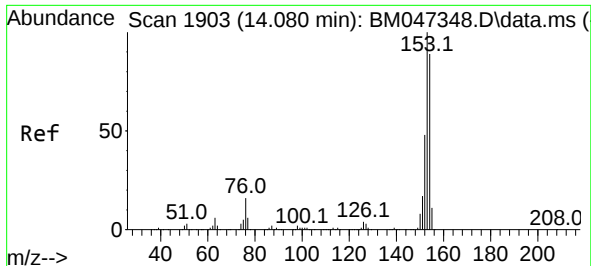
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.2 18.5 27.7

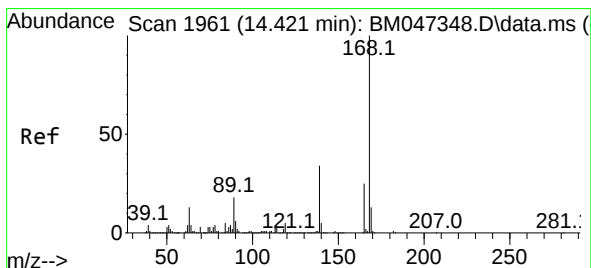
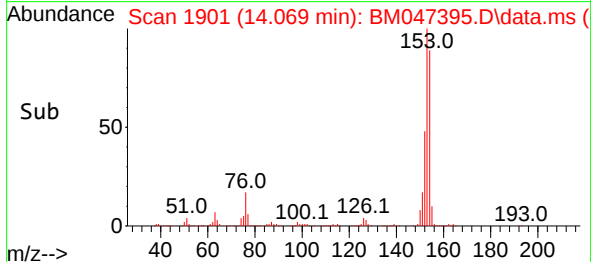
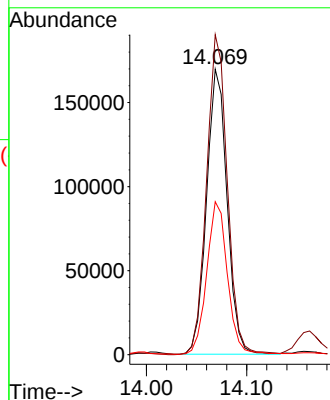
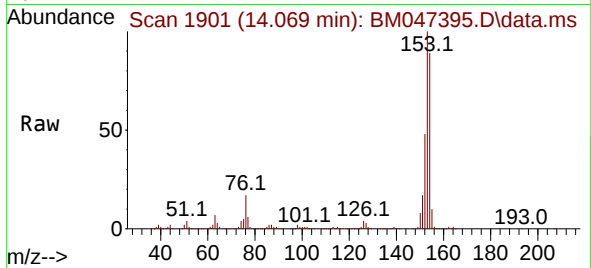




#52
Acenaphthene
Concen: 7.440 ng
RT: 14.069 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

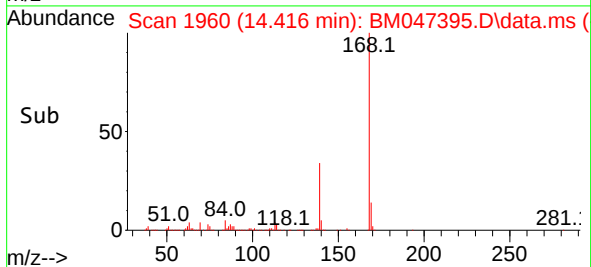
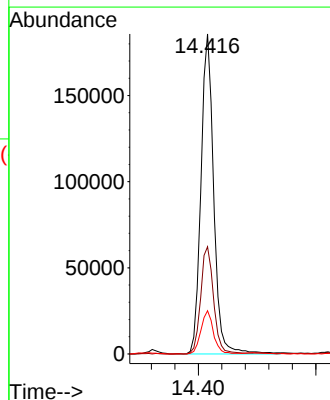
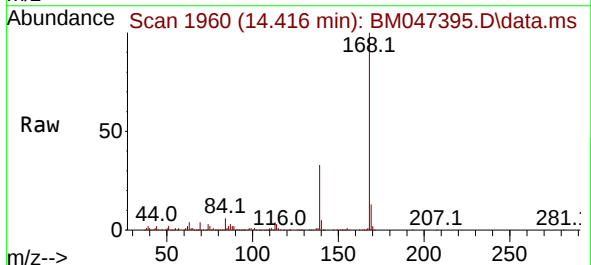
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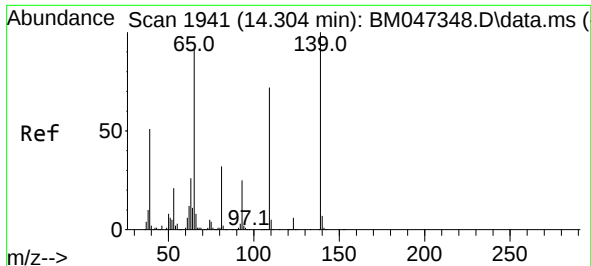
Tgt Ion:154 Resp: 242108
Ion Ratio Lower Upper
154 100
153 112.1 89.5 134.3
152 53.6 43.0 64.4



#55
Dibenzofuran
Concen: 5.333 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion:168 Resp: 279521
Ion Ratio Lower Upper
168 100
139 33.5 27.5 41.3
169 13.5 10.5 15.7

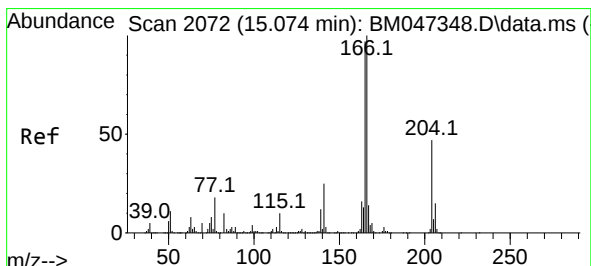
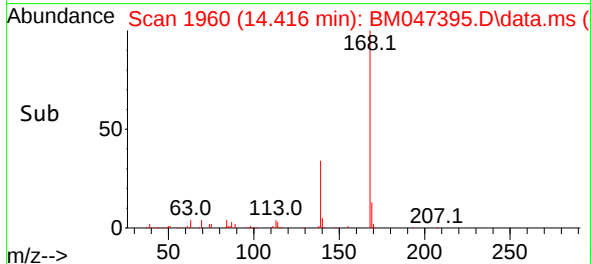
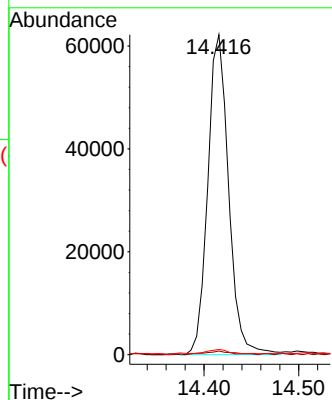
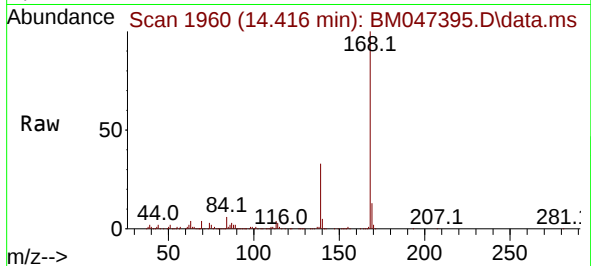




#56
4-Nitrophenol
Concen: 12.718 ng
RT: 14.416 min Scan# 1941
Delta R.T. 0.112 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

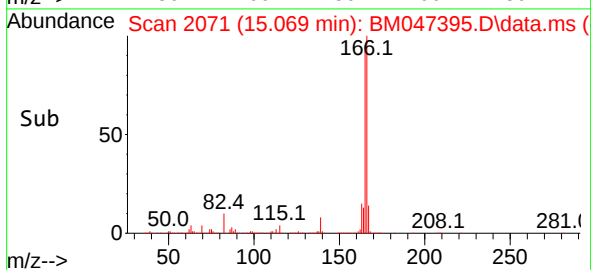
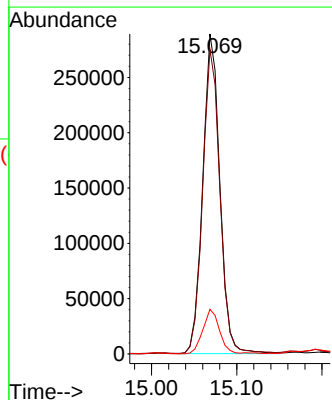
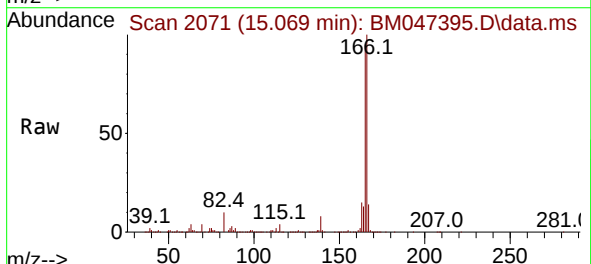
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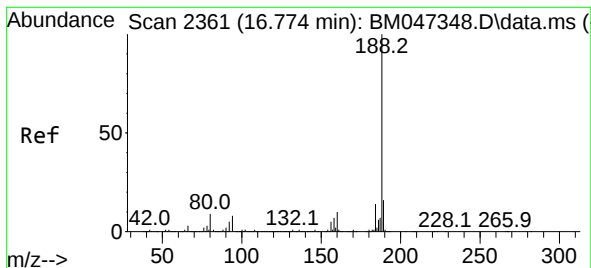
Tgt Ion:139 Resp: 94858
Ion Ratio Lower Upper
139 100
109 1.2 51.6 91.6#
65 1.7 71.7 111.7#



#58
Fluorene
Concen: 9.503 ng
RT: 15.069 min Scan# 2071
Delta R.T. -0.006 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion:166 Resp: 403124
Ion Ratio Lower Upper
166 100
165 95.1 77.8 116.6
167 14.0 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

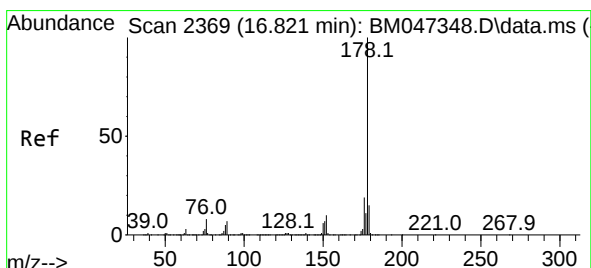
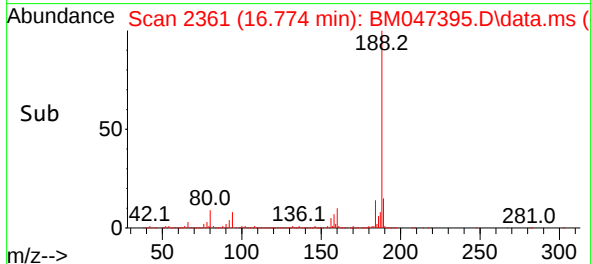
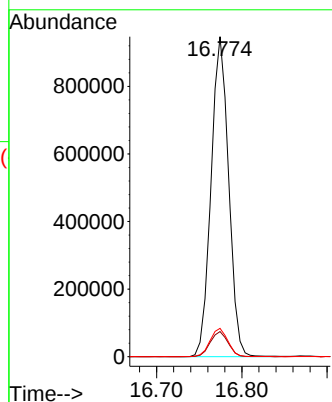
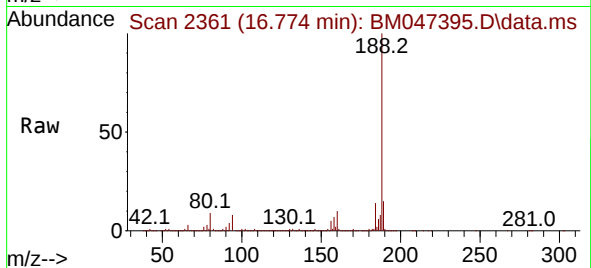
Tgt Ion:188 Resp: 1355835

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.9 7.4 11.2



#71

Phenanthrene

Concen: 71.328 ng

RT: 16.821 min Scan# 2369

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

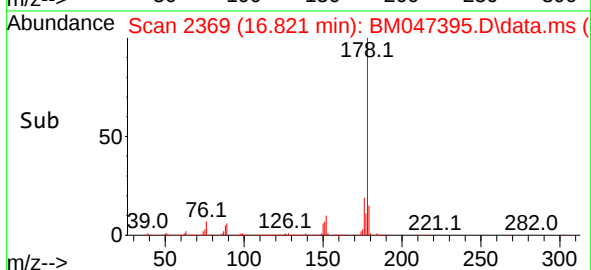
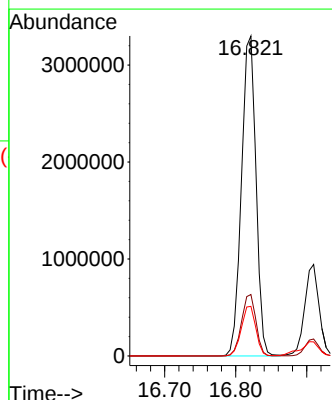
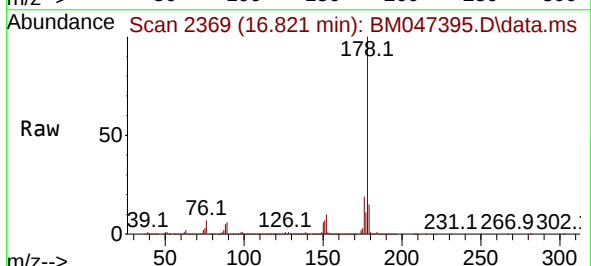
Tgt Ion:178 Resp: 4696604

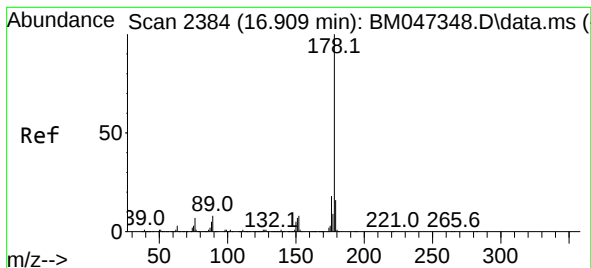
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.5 12.2 18.4





#72

Anthracene

Concen: 20.342 ng

RT: 16.910 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

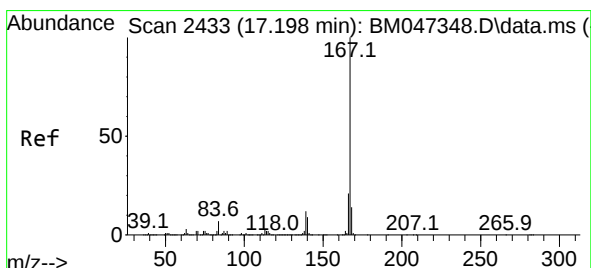
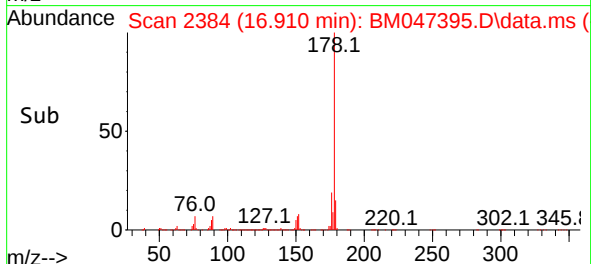
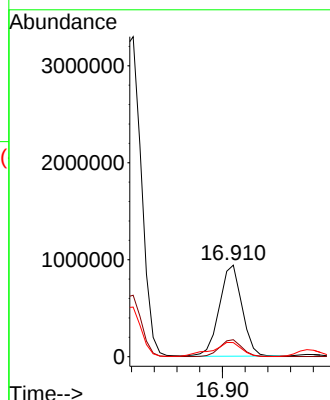
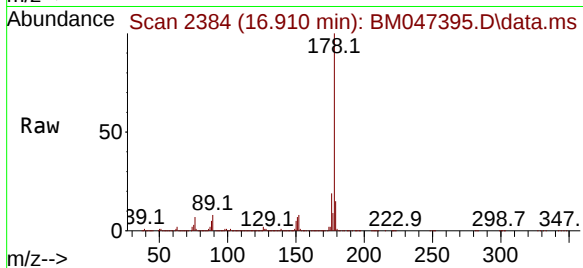
Tgt Ion:178 Resp: 1305710

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.4 12.6 18.8



#73

Carbazole

Concen: 10.205 ng

RT: 17.192 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

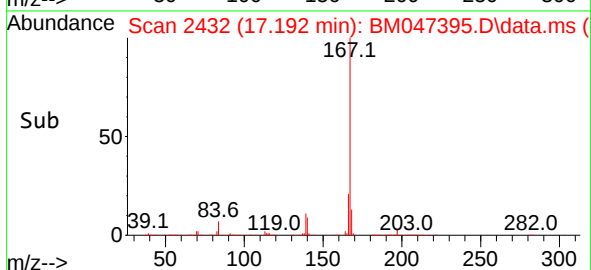
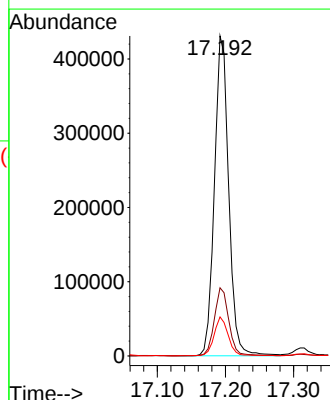
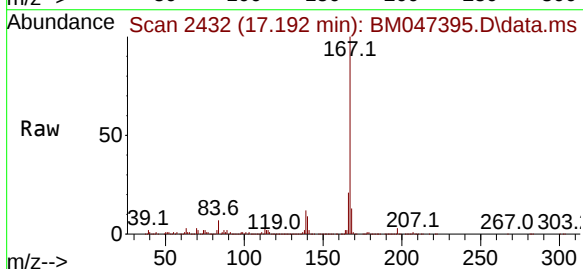
Tgt Ion:167 Resp: 628578

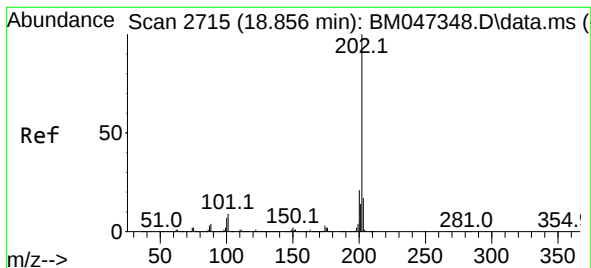
Ion Ratio Lower Upper

167 100

166 21.3 16.9 25.3

139 12.2 9.5 14.3





#75

Fluoranthene

Concen: 73.538 ng

RT: 18.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

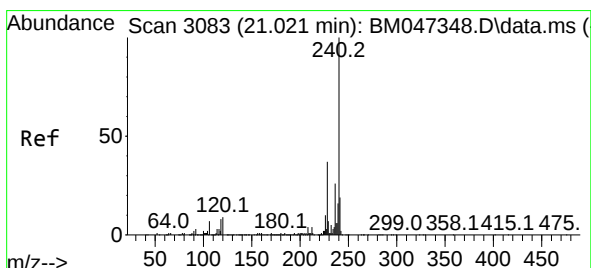
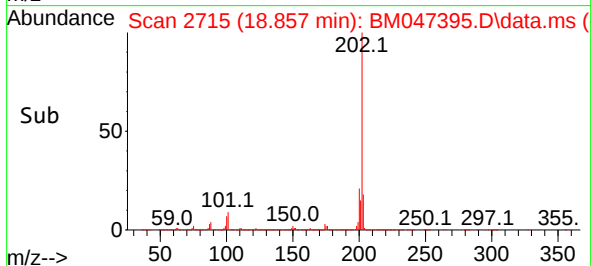
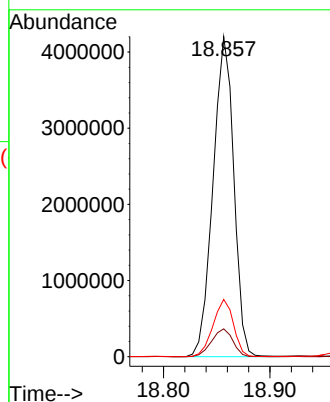
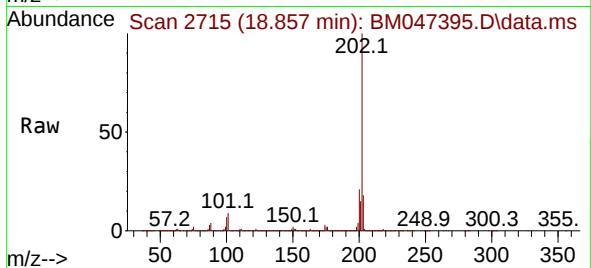
Tgt Ion:202 Resp: 5685527

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.0

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

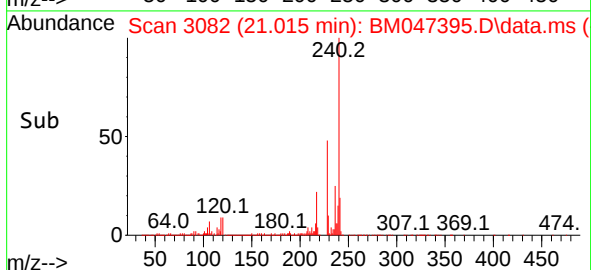
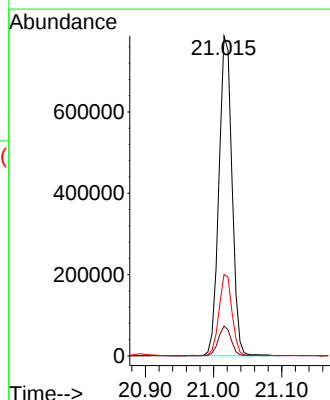
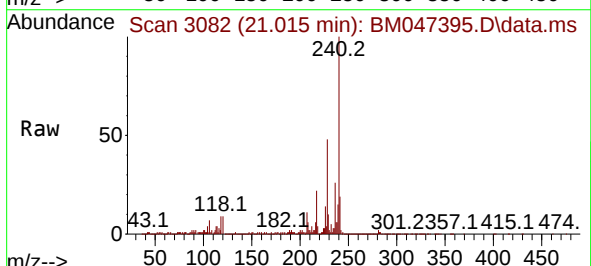
Tgt Ion:240 Resp: 1050738

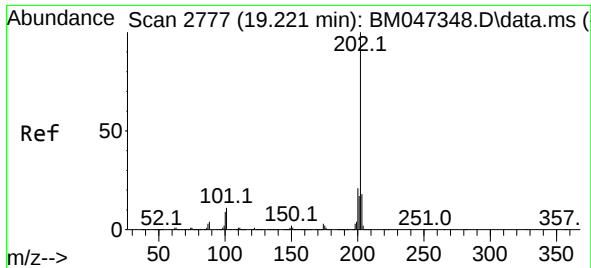
Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.0

236 25.6 20.8 31.2

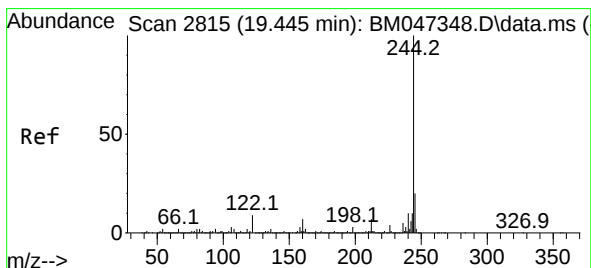
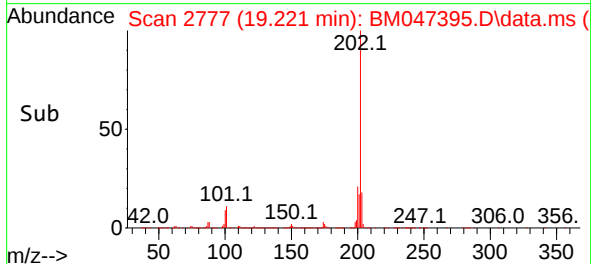
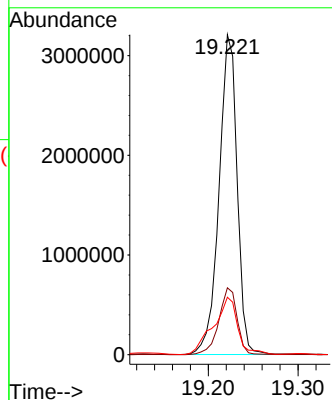
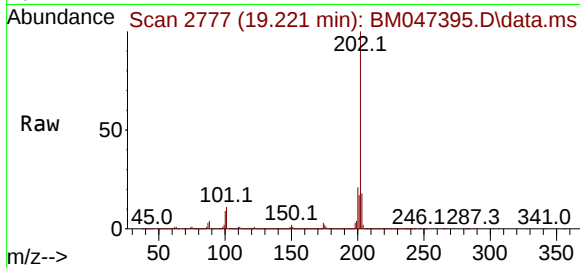




#78
 Pyrene
 Concen: 55.807 ng
 RT: 19.221 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46

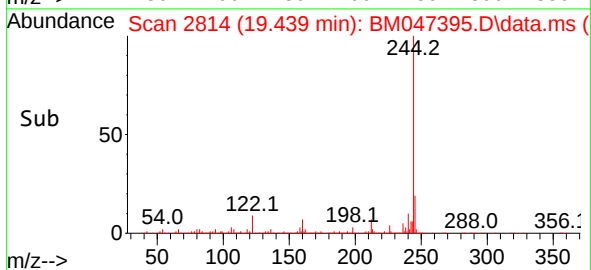
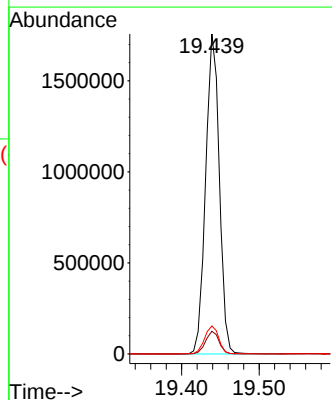
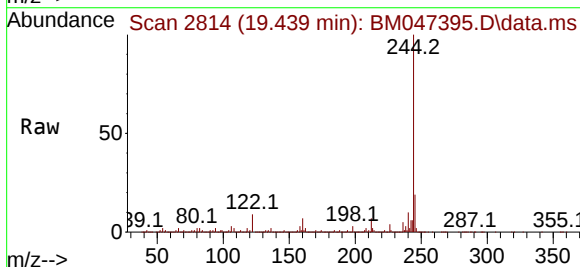
Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-0-0.5-082824

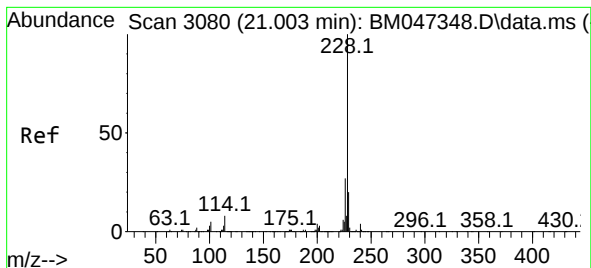
Tgt Ion:202 Resp: 4497388
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 17.9 14.2 21.4



#79
 Terphenyl-d14
 Concen: 36.508 ng
 RT: 19.439 min Scan# 2814
 Delta R.T. -0.006 min
 Lab File: BM047395.D
 Acq: 29 Aug 2024 15:46

Tgt Ion:244 Resp: 2155133
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.7 7.0 10.4





#81

Benzo(a)anthracene

Concen: 29.408 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

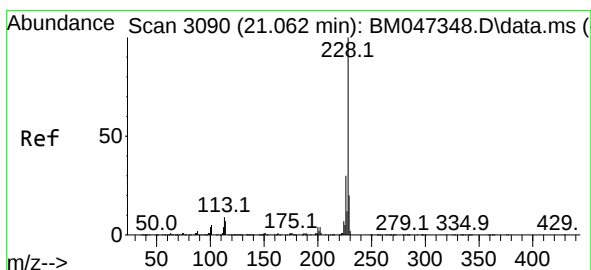
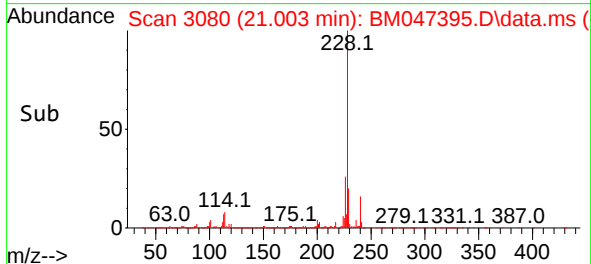
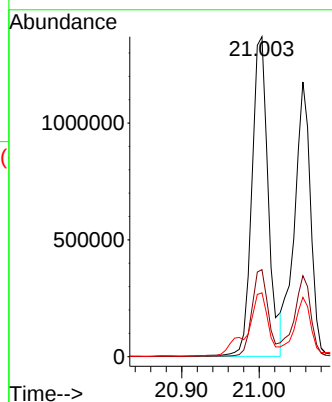
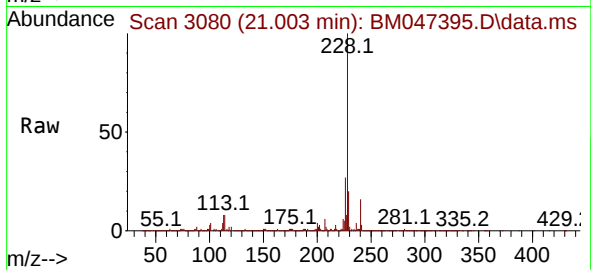
Tgt Ion:228 Resp: 2015117

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

229 20.0 15.8 23.8



#83

Chrysene

Concen: 26.455 ng

RT: 21.056 min Scan# 3089

Delta R.T. -0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

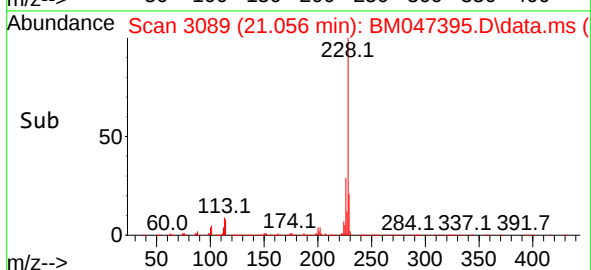
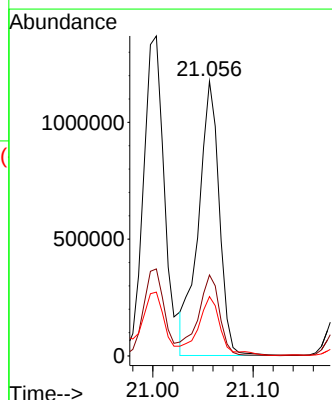
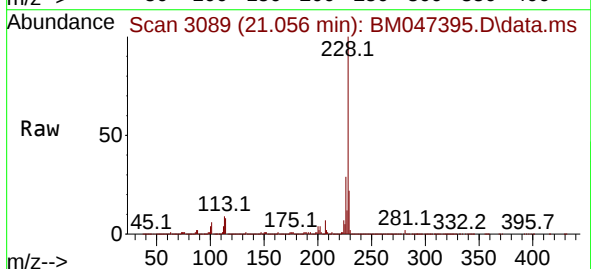
Tgt Ion:228 Resp: 1705182

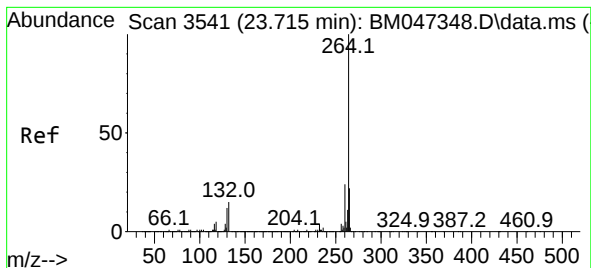
Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

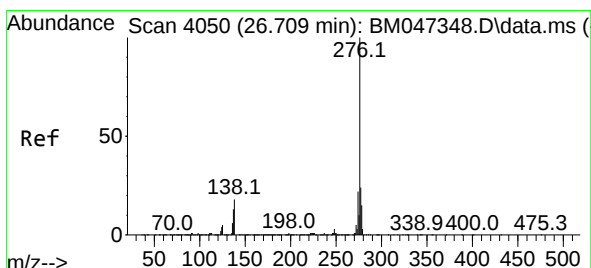
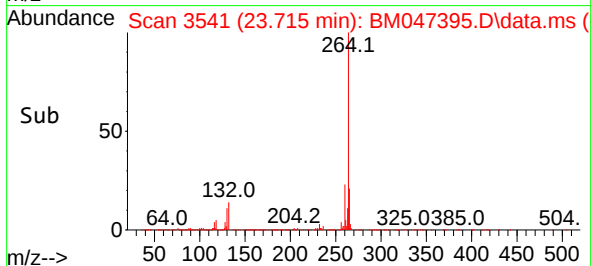
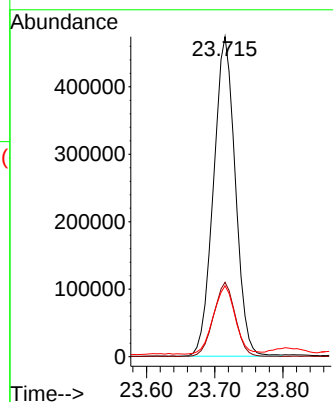
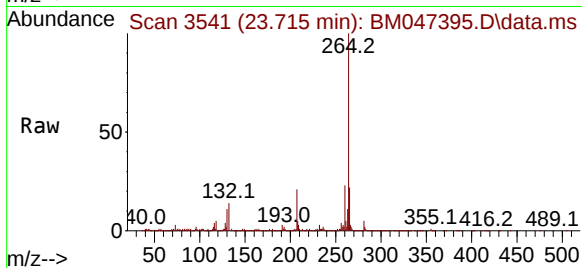
Tgt Ion:264 Resp: 1053731

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.445 ng

RT: 26.715 min Scan# 4051

Delta R.T. 0.006 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

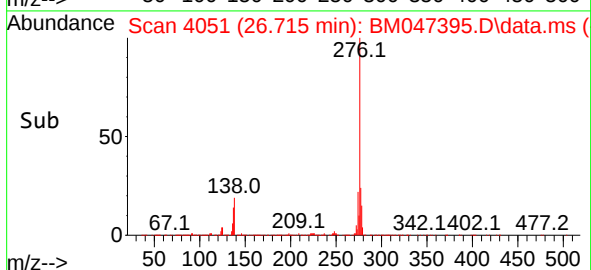
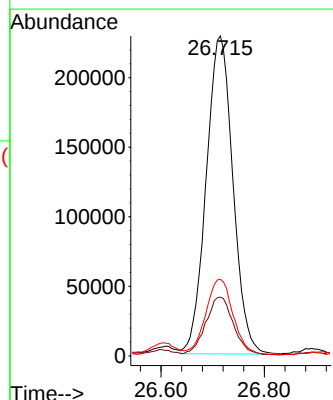
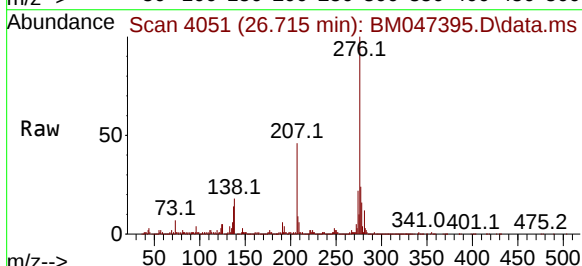
Tgt Ion:276 Resp: 820935

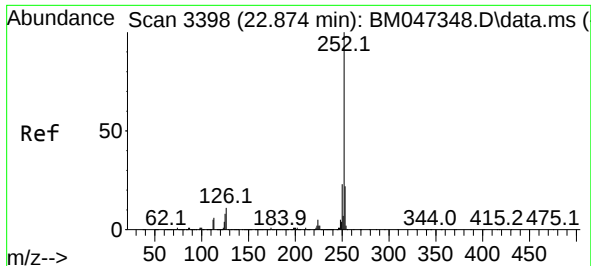
Ion Ratio Lower Upper

276 100

138 18.8 17.7 26.5

277 24.4 20.0 30.0

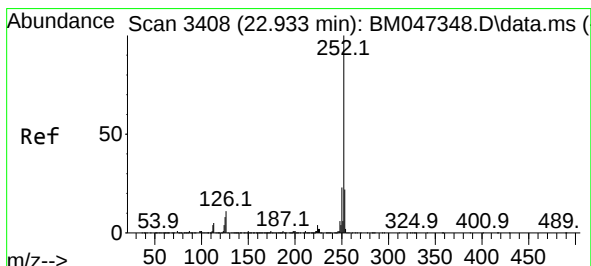
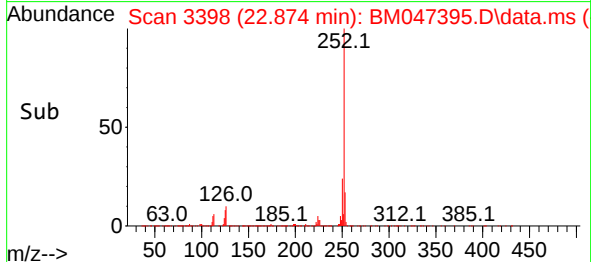
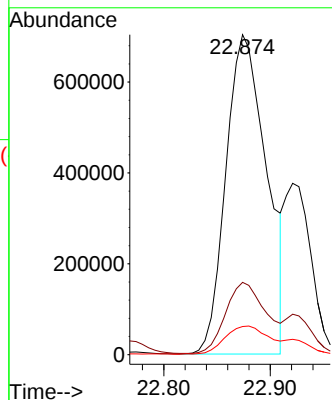
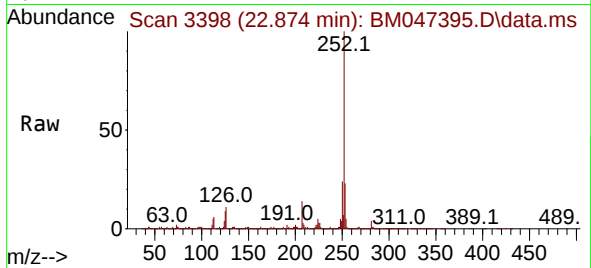




#88
Benzo(b)fluoranthene
Concen: 30.311 ng
RT: 22.874 min Scan# 3398
Delta R.T. 0.000 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

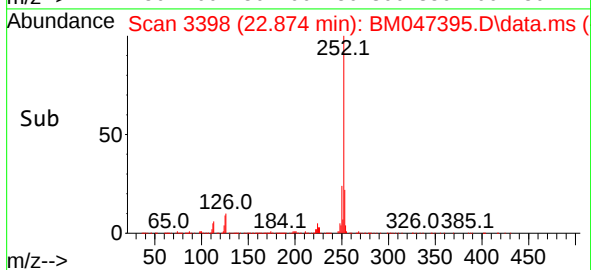
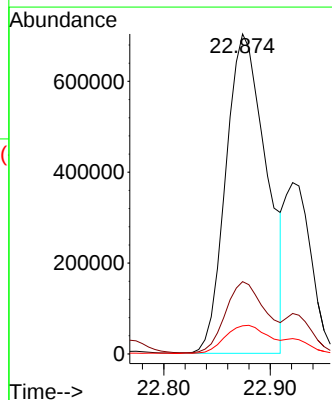
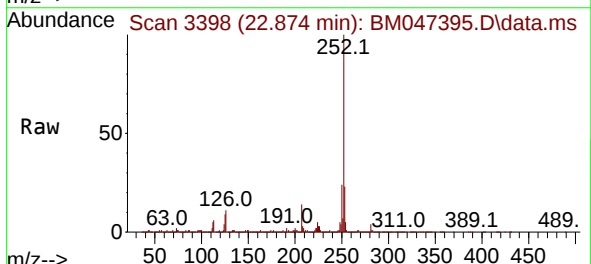
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-0-0.5-082824

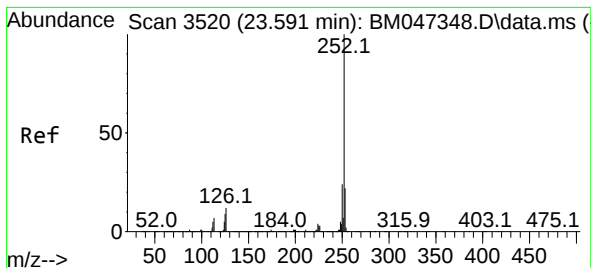
Tgt Ion:252 Resp: 1863448
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 8.8 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 31.975 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.059 min
Lab File: BM047395.D
Acq: 29 Aug 2024 15:46

Tgt Ion:252 Resp: 1863448
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.8 6.6 9.8





#90

Benzo(a)pyrene

Concen: 24.762 ng

RT: 23.592 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-0-0.5-082824

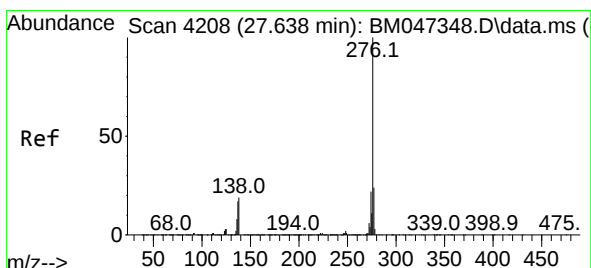
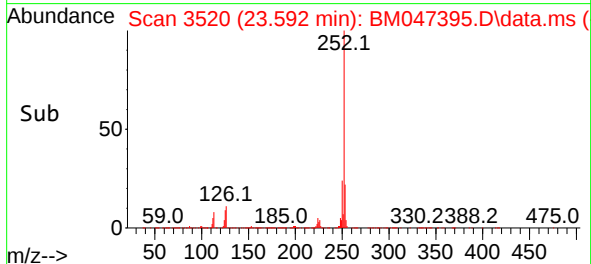
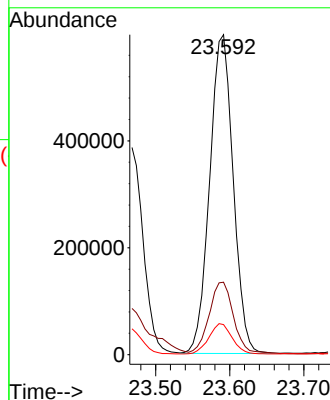
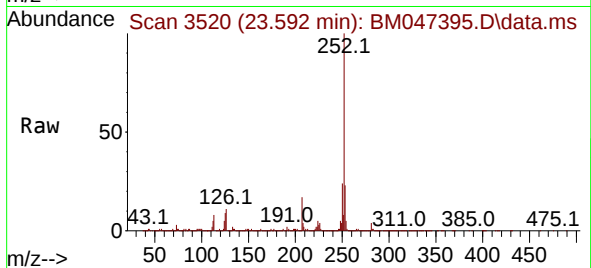
Tgt Ion:252 Resp: 1316435

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 9.4 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 13.926 ng

RT: 27.650 min Scan# 4210

Delta R.T. 0.012 min

Lab File: BM047395.D

Acq: 29 Aug 2024 15:46

Tgt Ion:276 Resp: 773670

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 19.0 15.0 22.6

