

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047380.D
 Acq On : 28 Aug 2024 14:24
 Operator : RC/JU
 Sample : P3735-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-11DL

Quant Time: Aug 28 15:01:22 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)

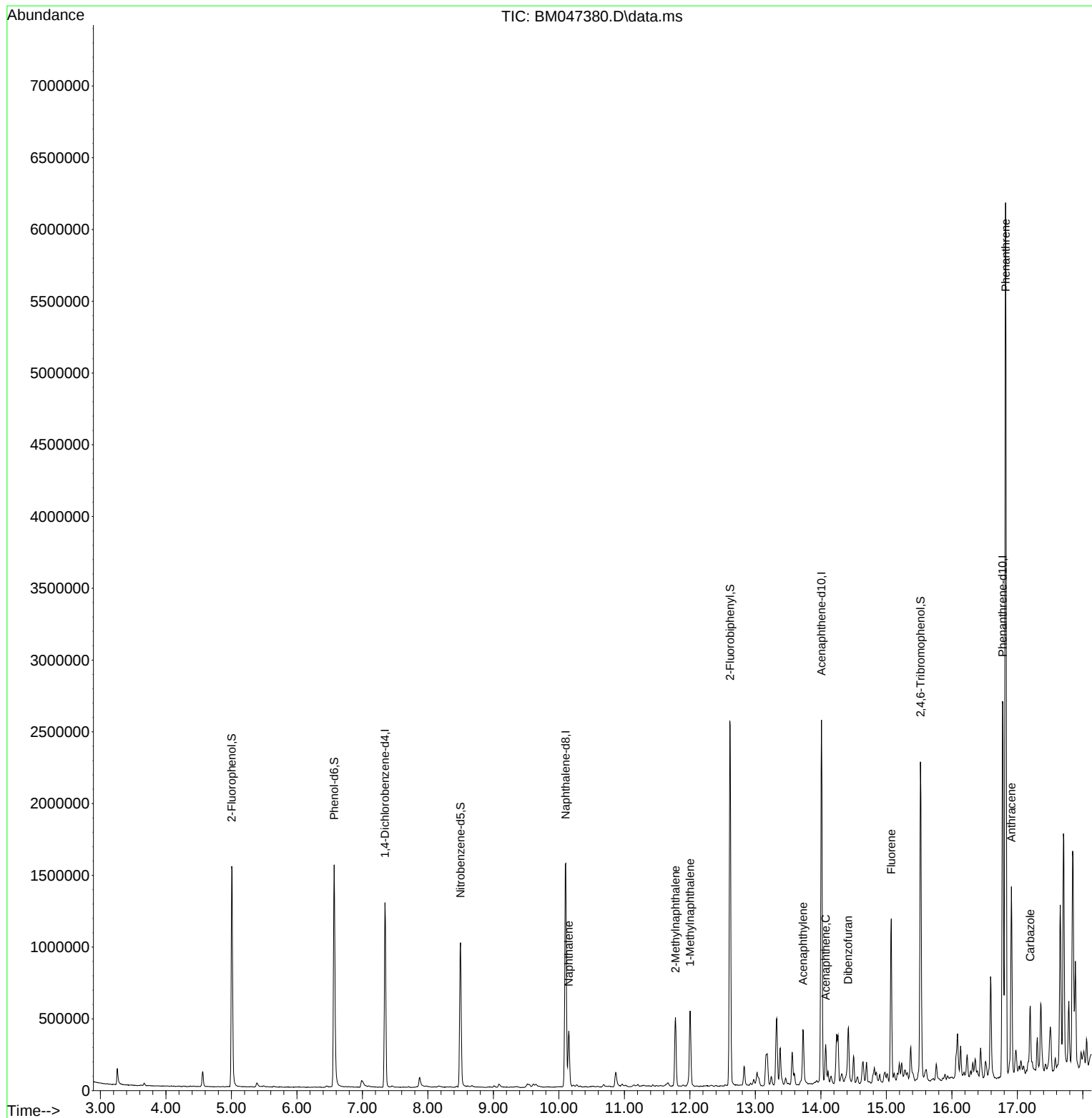
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	360757	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1361596	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	895749	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1683446	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1280743	20.000	ng	0.00
86) Perylene-d12	23.727	264	1403597	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	705949	37.543	ng	0.00
7) Phenol-d6	6.569	99	964615	37.658	ng	0.00
23) Nitrobenzene-d5	8.498	82	624905	25.465	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	402707	37.263	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	1444417	24.776	ng	0.00
79) Terphenyl-d14	19.444	244	1617095	22.474	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	514	Below Cal	#	55
31) Naphthalene	10.151	128	308100	4.633	ng	100
37) 2-Methylnaphthalene	11.780	142	239903	4.948	ng	100
38) 1-Methylnaphthalene	12.004	142	256598	5.351	ng	97
49) Acenaphthylene	13.727	152	249871	3.508	ng	97
52) Acenaphthene	14.074	154	93869	2.076	ng	99
55) Dibenzofuran	14.415	168	183516	2.519	ng	# 95
58) Fluorene	15.074	166	482983	8.193	ng	100
71) Phenanthrene	16.821	178	3746968	45.831	ng	99
72) Anthracene	16.909	178	830765	10.424	ng	99
73) Carbazole	17.198	167	297123	3.885	ng	99
75) Fluoranthene	18.856	202	3013123	31.388	ng	100
78) Pyrene	19.227	202	2842796	28.940	ng	100
81) Benzo(a)anthracene	21.003	228	1439765	17.238	ng	98
83) Chrysene	21.062	228	1275756	16.238	ng	98
87) Indeno(1,2,3-cd)pyrene	26.720	276	635002	7.227	ng	97
88) Benzo(b)fluoranthene	22.885	252	1391423	16.992	ng	99
89) Benzo(k)fluoranthene	22.885	252	1391423	17.924	ng	98
90) Benzo(a)pyrene	23.597	252	1101866	15.560	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	229193	3.220	ng	# 88
92) Benzo(g,h,i)perylene	27.662	276	619822	8.376	ng	97

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

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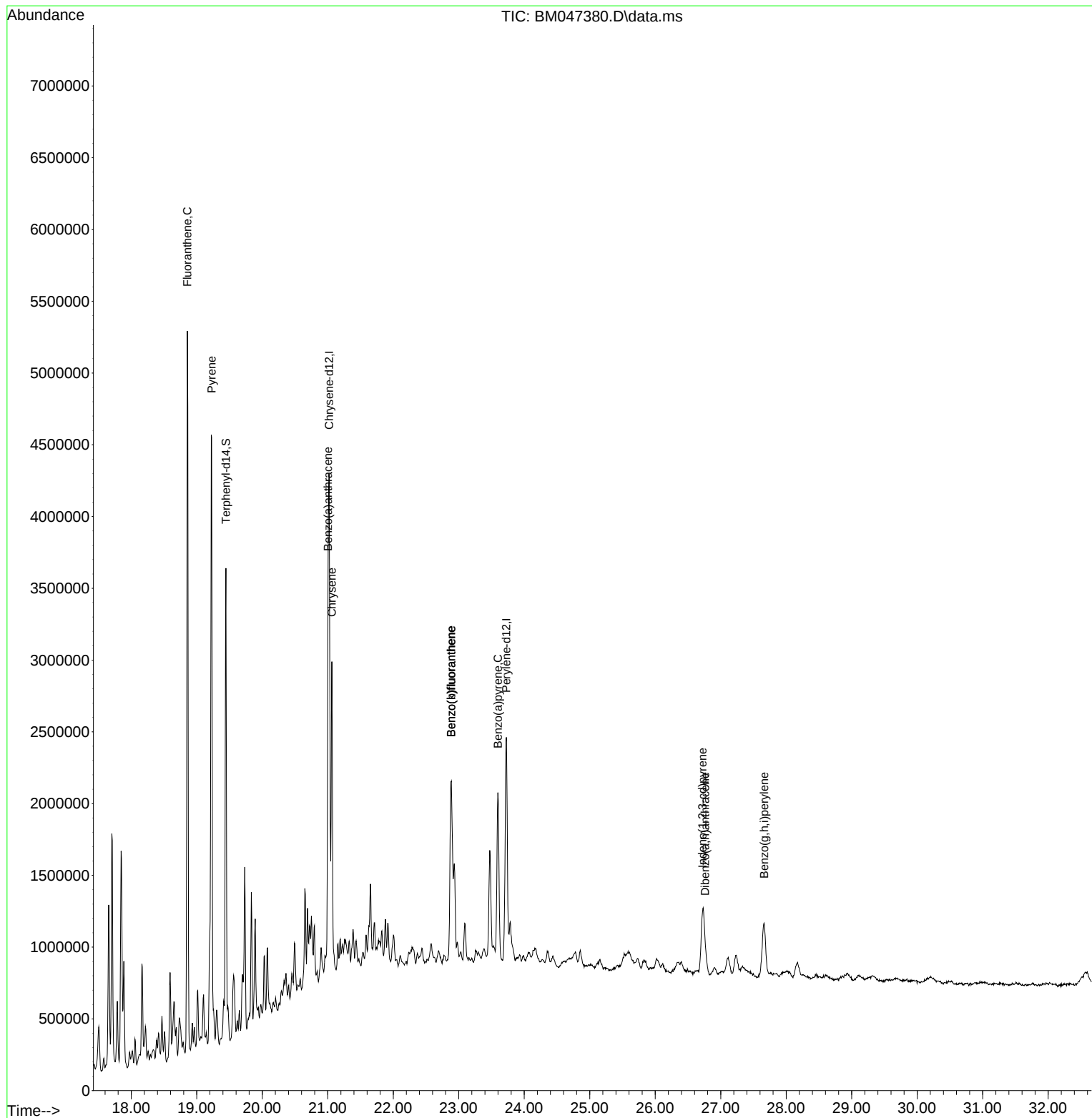
Quant Time: Aug 28 15:01:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

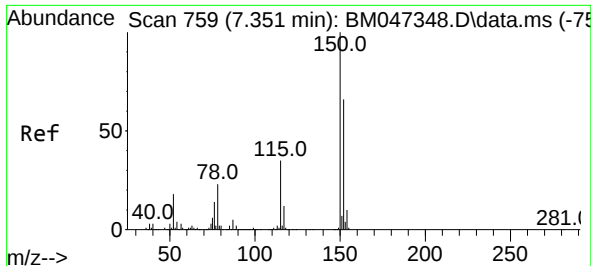


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
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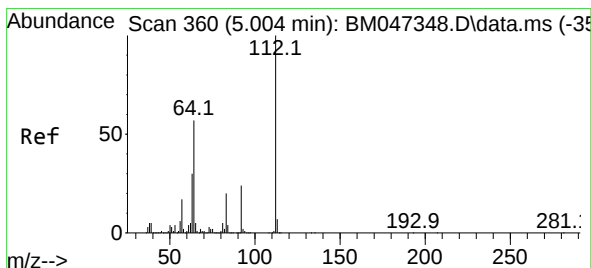
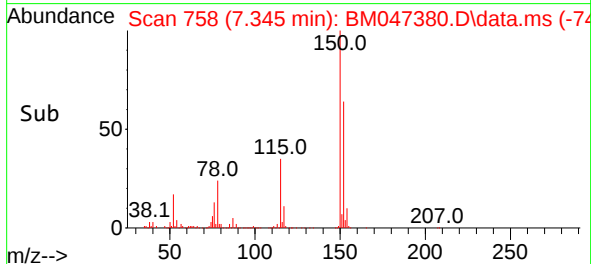
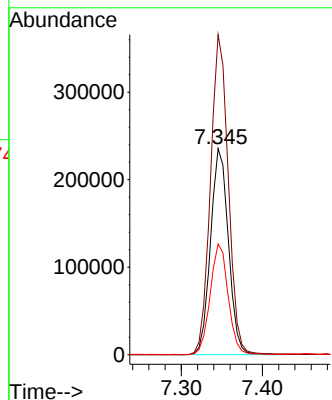
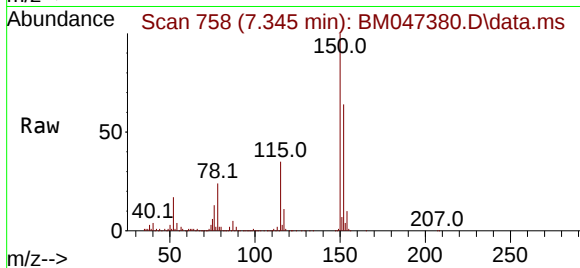


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.345 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

Instrument :
 BNA_M
 ClientSampleId :
 WC-11DL

Tgt Ion:152 Resp: 360757

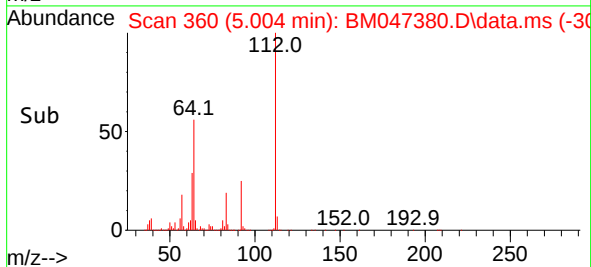
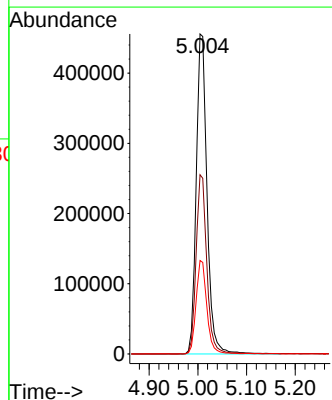
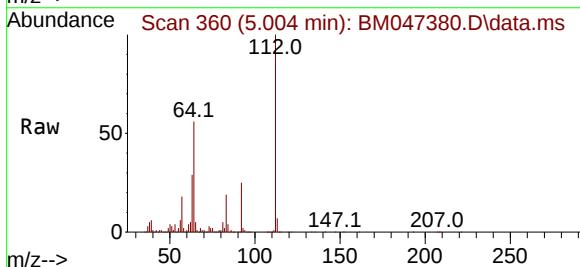
Ion	Ratio	Lower	Upper
152	100		
150	155.3	121.3	181.9
115	53.8	42.6	64.0

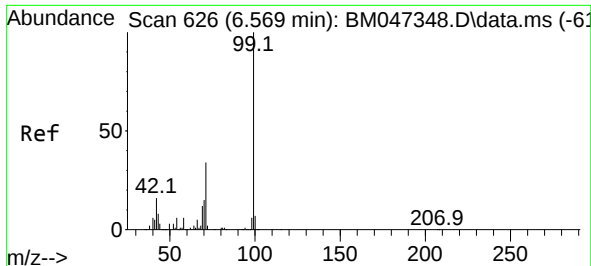


#5
 2-Fluorophenol
 Concen: 37.543 ng
 RT: 5.004 min Scan# 360
 Delta R.T. -0.000 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

Tgt Ion:112 Resp: 705949

Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	29.2	23.8	35.8

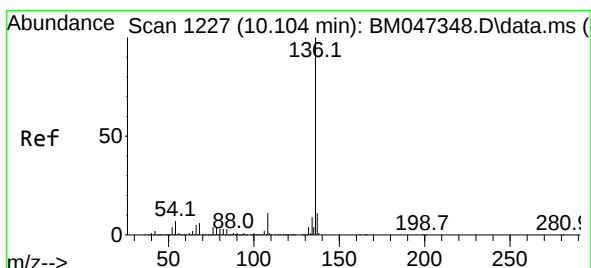
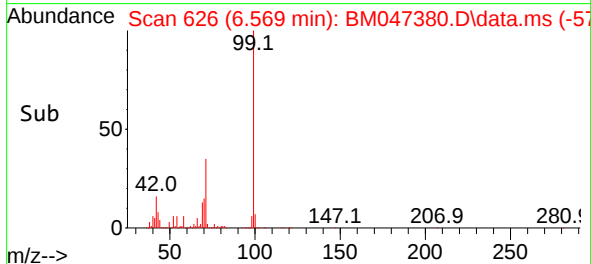
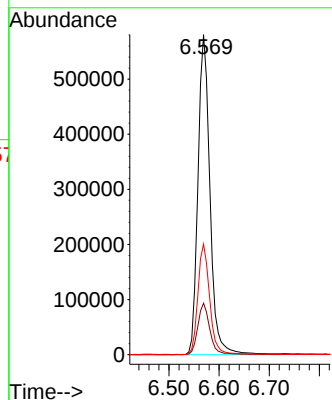
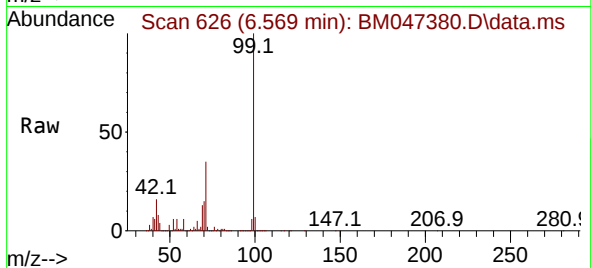




#7
Phenol-d6
Concen: 37.658 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

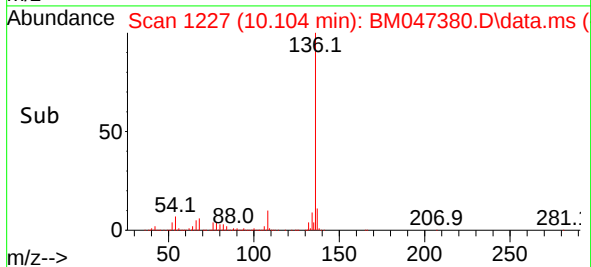
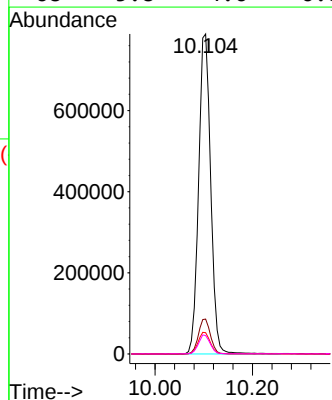
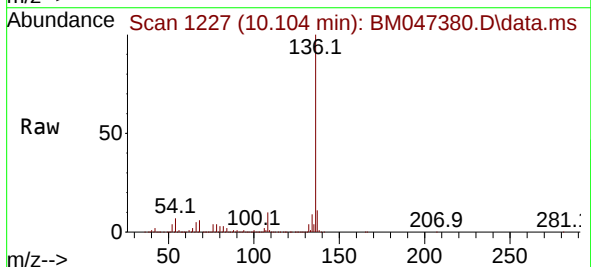
Instrument :
BNA_M
ClientSampleId :
WC-11DL

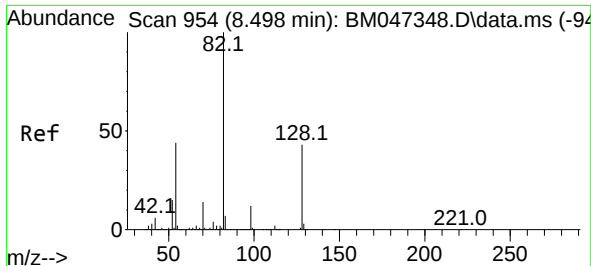
Tgt Ion: 99 Resp: 964615
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 34.5 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion: 136 Resp: 1361596
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.7 5.2 7.8
68 5.8 4.6 6.8

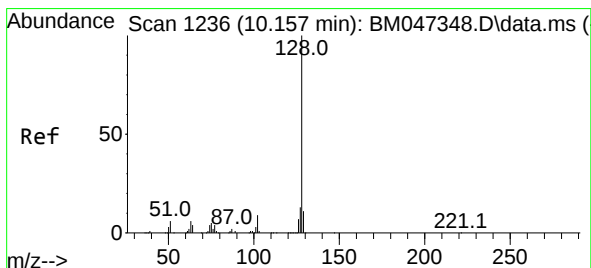
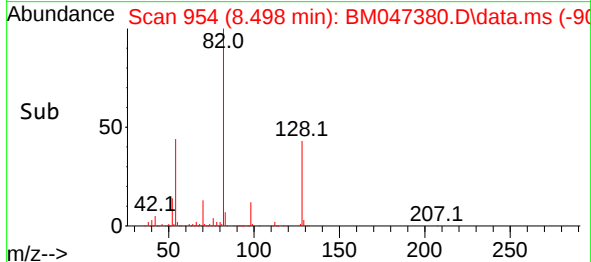
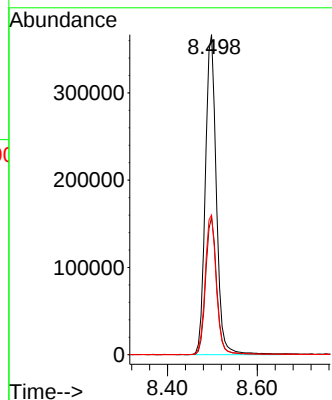
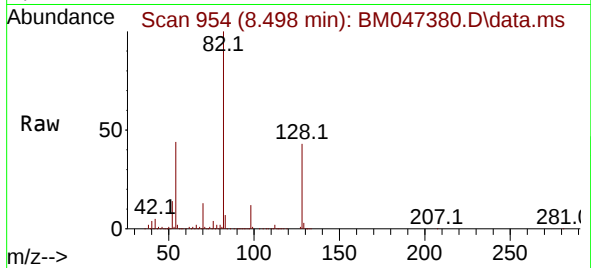




#23
Nitrobenzene-d5
Concen: 25.465 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

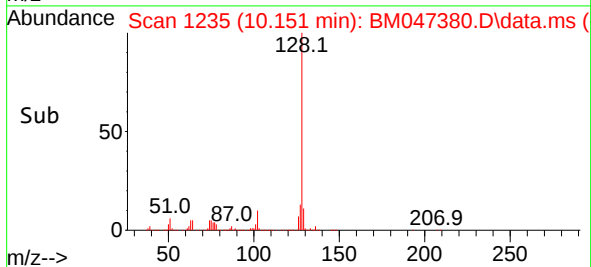
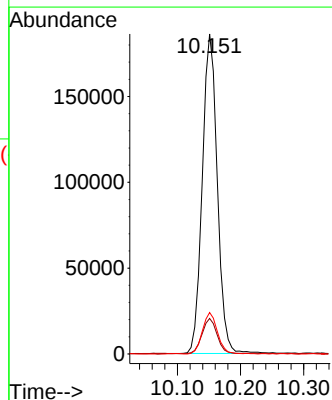
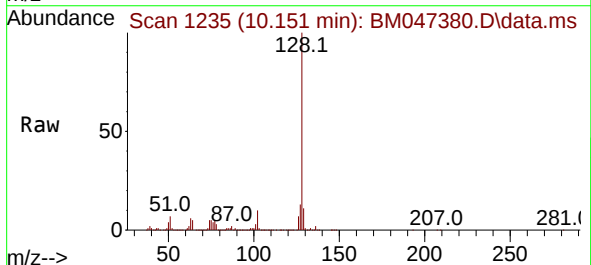
Instrument :
BNA_M
ClientSampleId :
WC-11DL

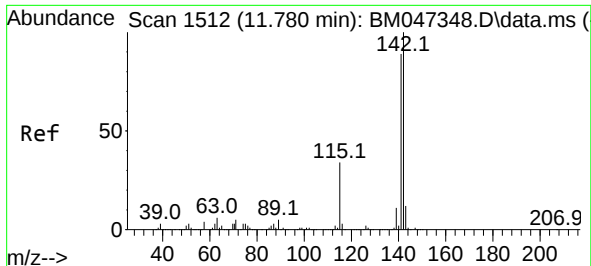
Tgt Ion: 82 Resp: 624905
Ion Ratio Lower Upper
82 100
128 43.0 34.6 51.8
54 43.7 35.5 53.3



#31
Naphthalene
Concen: 4.633 ng
RT: 10.151 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion: 128 Resp: 308100
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.0 10.4 15.6

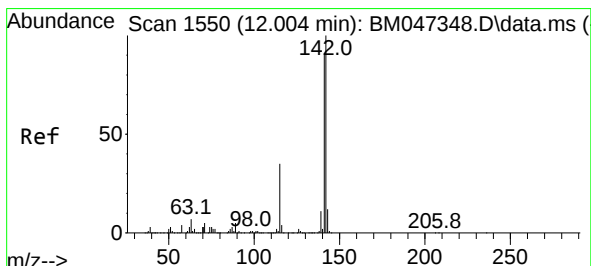
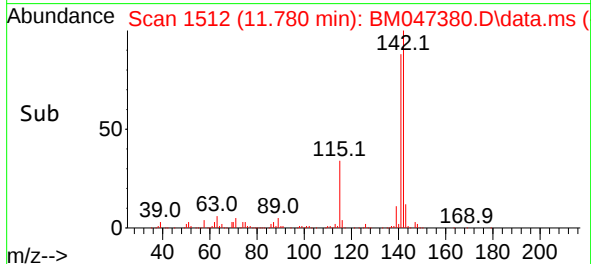
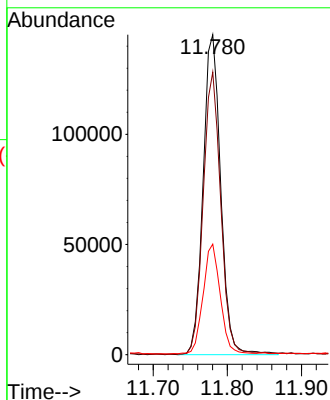
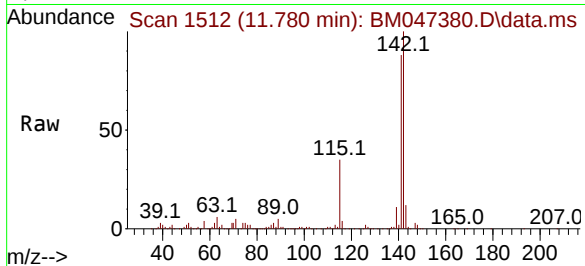




#37
2-Methylnaphthalene
Concen: 4.948 ng
RT: 11.780 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

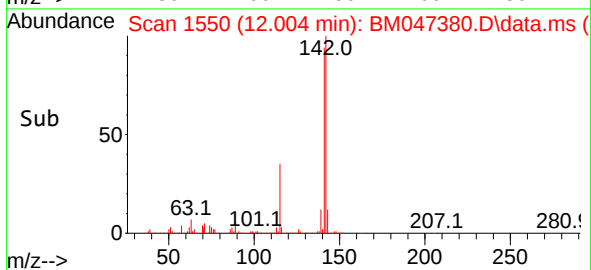
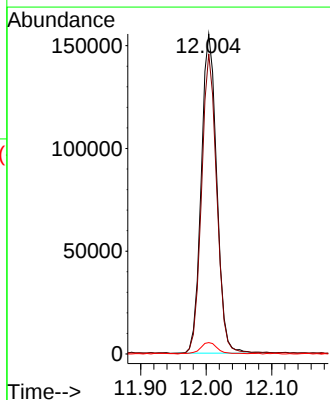
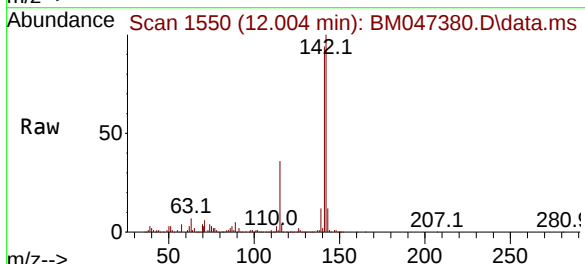
Instrument :
BNA_M
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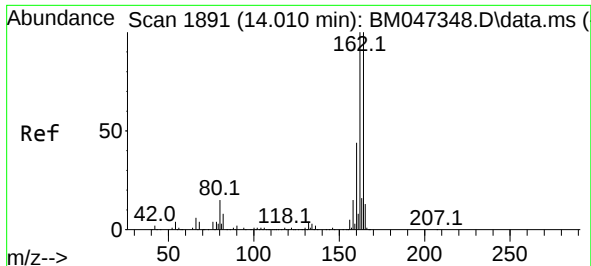
Tgt Ion:142 Resp: 239903
Ion Ratio Lower Upper
142 100
141 88.3 70.8 106.2
115 34.6 27.5 41.3



#38
1-Methylnaphthalene
Concen: 5.351 ng
RT: 12.004 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion:142 Resp: 256598
Ion Ratio Lower Upper
142 100
141 93.8 72.9 109.3
116 3.6 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.010 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

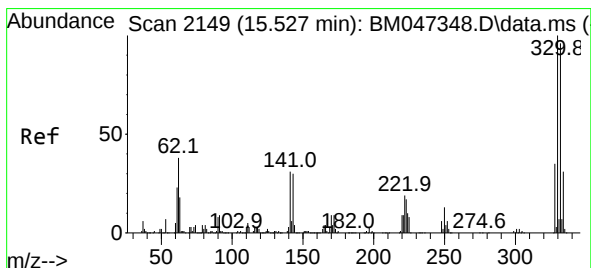
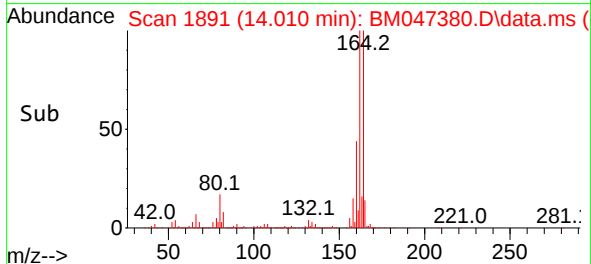
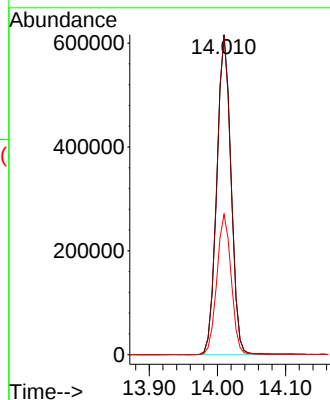
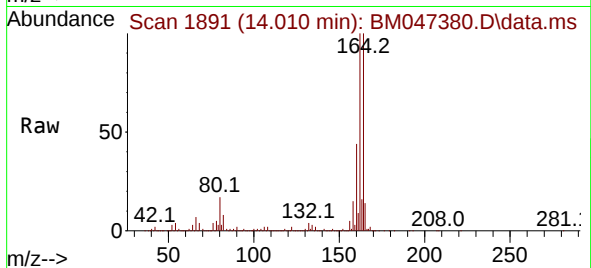
Tgt Ion:164 Resp: 895749

Ion Ratio Lower Upper

164 100

162 99.8 79.7 119.5

160 43.9 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 37.263 ng

RT: 15.521 min Scan# 2148

Delta R.T. -0.006 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

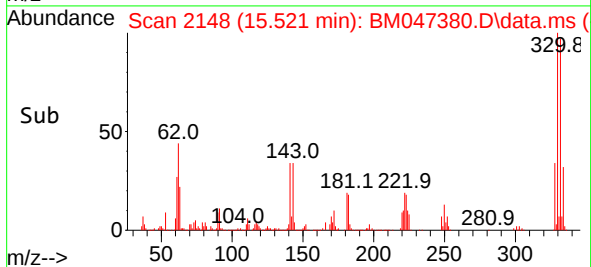
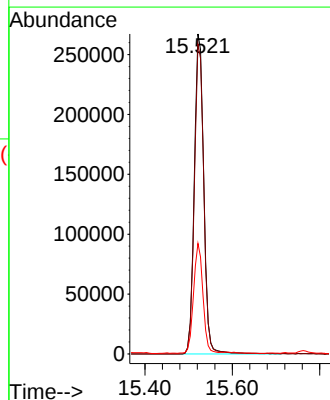
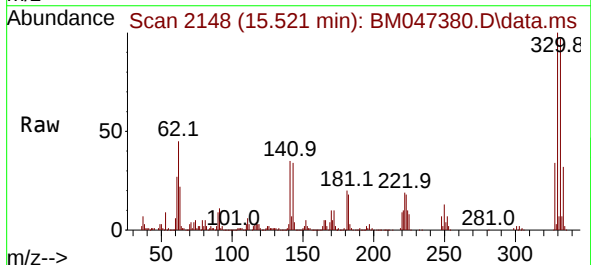
Tgt Ion:330 Resp: 402707

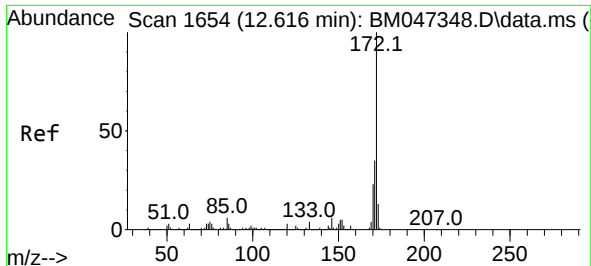
Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

141 33.8 27.6 41.4

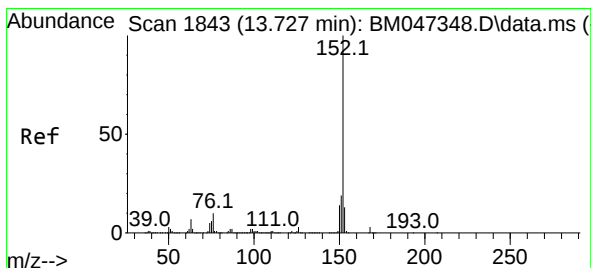
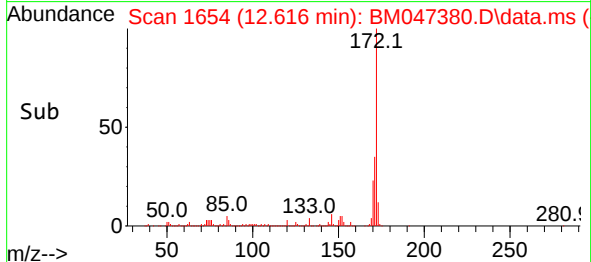
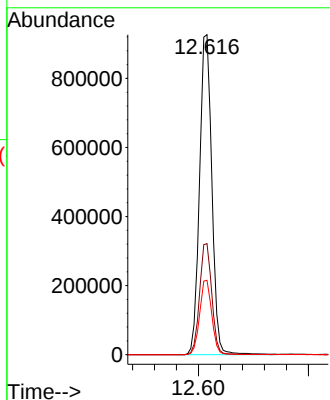
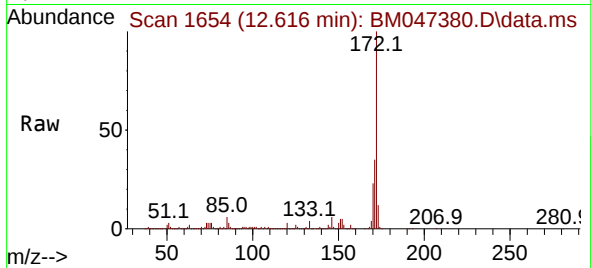




#45
2-Fluorobiphenyl
Concen: 24.776 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

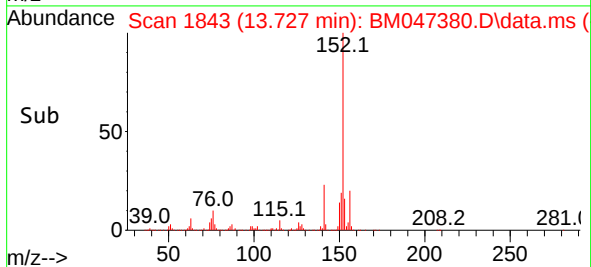
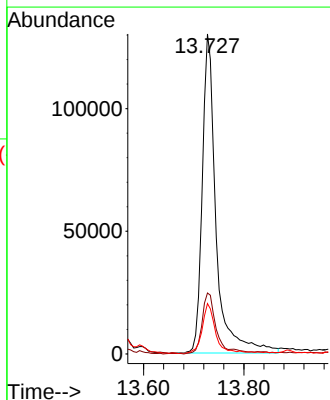
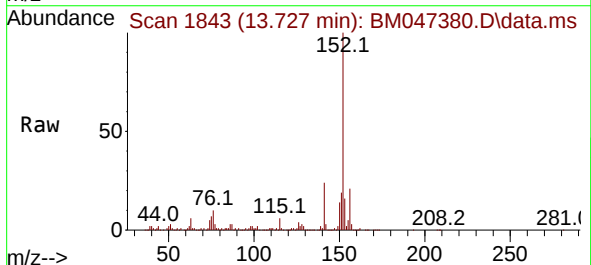
Instrument :
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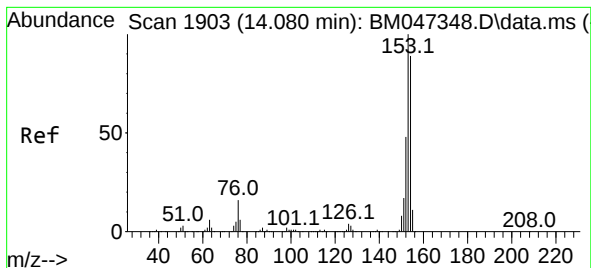
Tgt Ion:172 Resp: 1444417
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.3 18.5 27.7



#49
Acenaphthylene
Concen: 3.508 ng
RT: 13.727 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion:152 Resp: 249871
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0
153 15.8 10.6 15.8





#52

Acenaphthene

Concen: 2.076 ng

RT: 14.074 min Scan# 1903

Delta R.T. -0.006 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

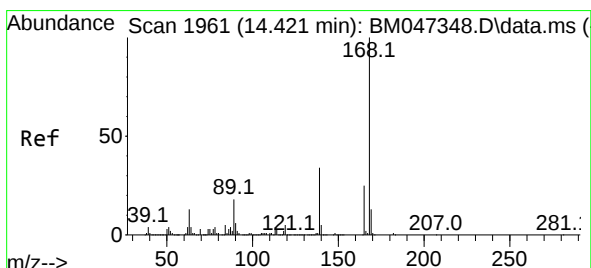
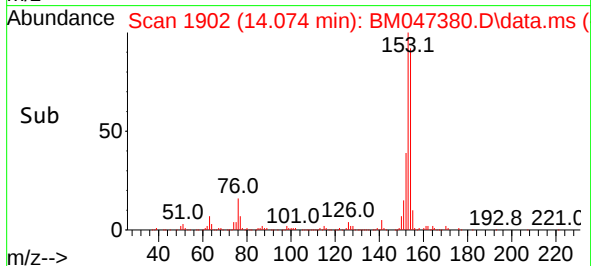
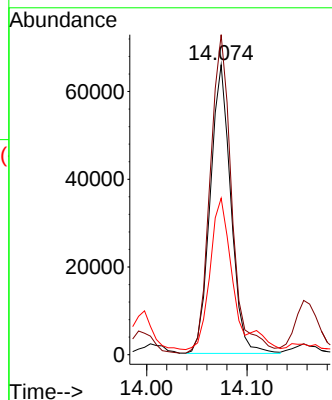
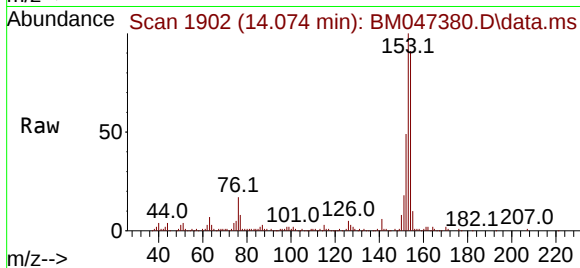
Tgt Ion:154 Resp: 93869

Ion Ratio Lower Upper

154 100

153 110.3 89.5 134.3

152 53.9 43.0 64.4



#55

Dibenzofuran

Concen: 2.519 ng

RT: 14.415 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

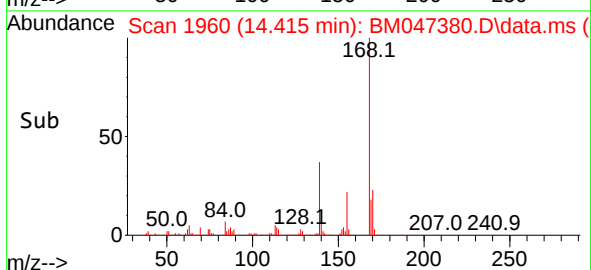
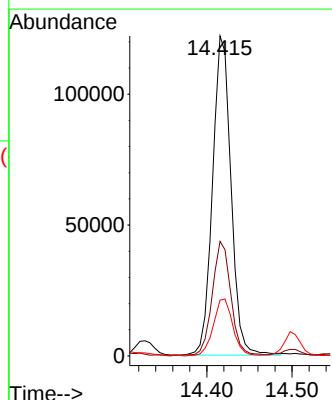
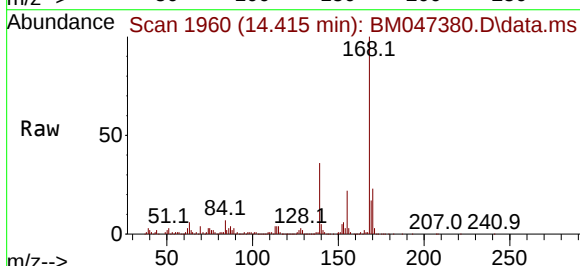
Tgt Ion:168 Resp: 183516

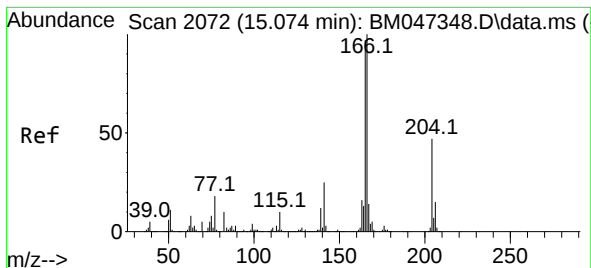
Ion Ratio Lower Upper

168 100

139 35.8 27.5 41.3

169 17.5 10.5 15.7#





#58

Fluorene

Concen: 8.193 ng

RT: 15.074 min Scan# 2072

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

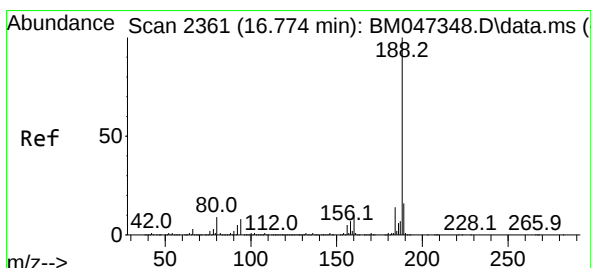
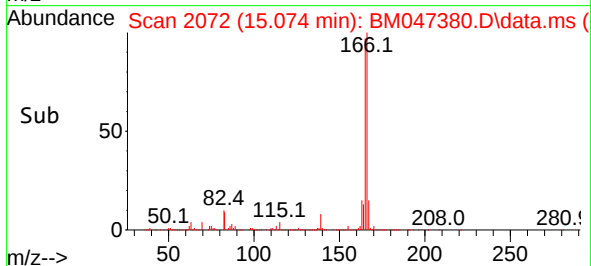
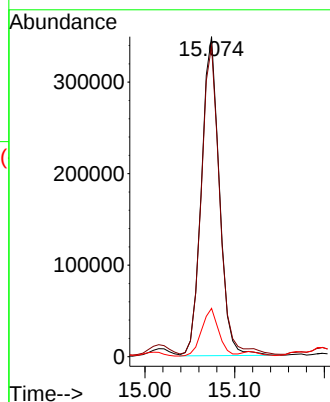
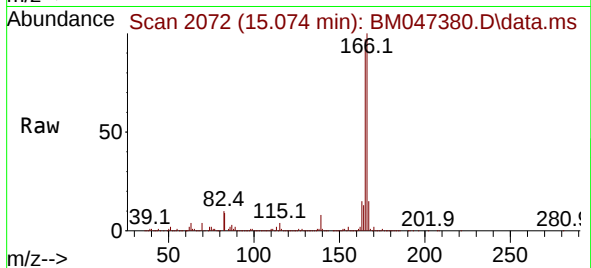
Tgt Ion:166 Resp: 482983

Ion Ratio Lower Upper

166 100

165 97.1 77.8 116.6

167 15.1 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 2361

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

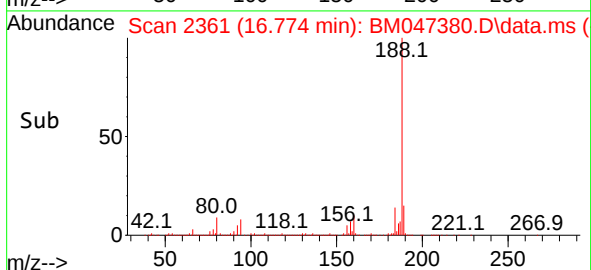
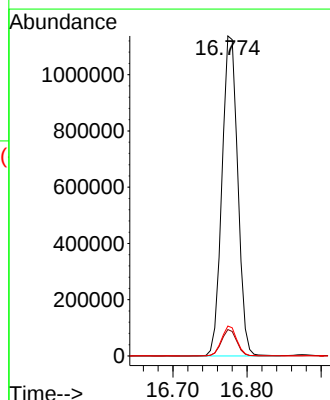
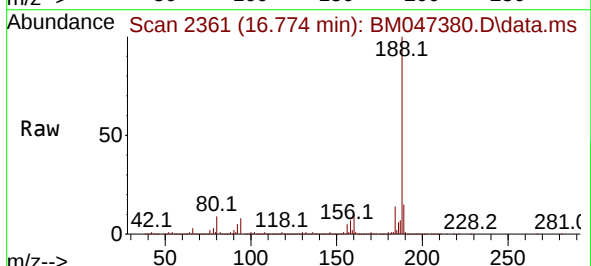
Tgt Ion:188 Resp: 1683446

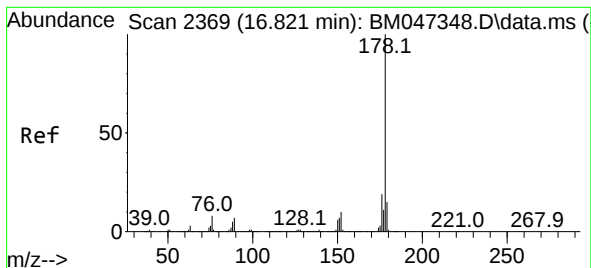
Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.3 7.4 11.2





#71

Phenanthrene

Concen: 45.831 ng

RT: 16.821 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

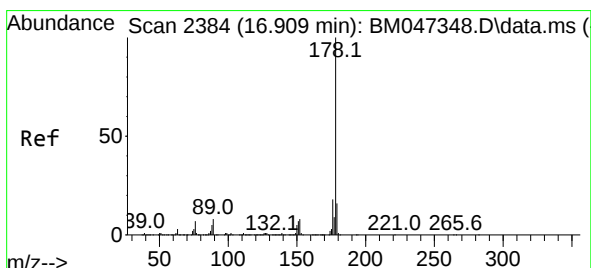
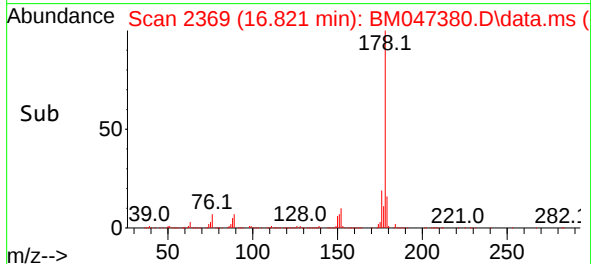
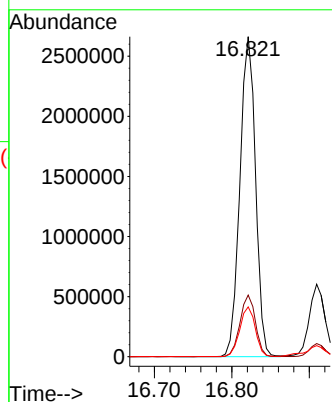
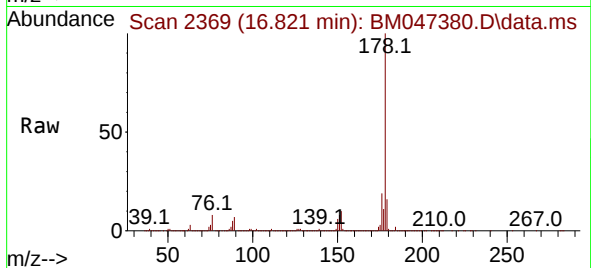
Tgt Ion:178 Resp: 3746968

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 15.6 12.2 18.4



#72

Anthracene

Concen: 10.424 ng

RT: 16.909 min Scan# 2384

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

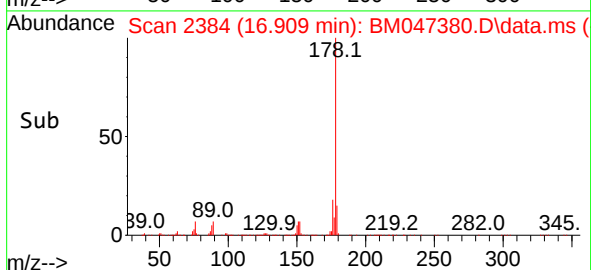
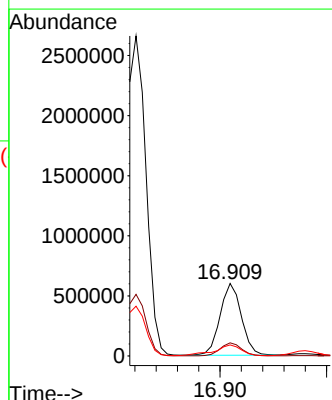
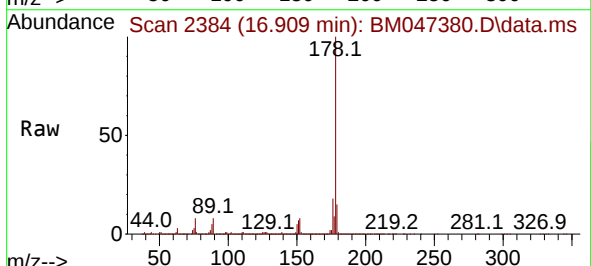
Tgt Ion:178 Resp: 830765

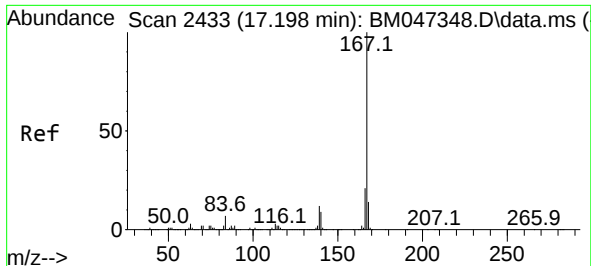
Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 15.2 12.6 18.8

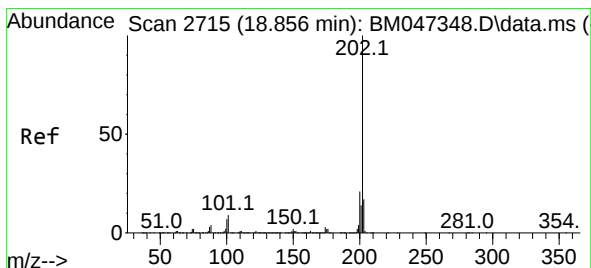
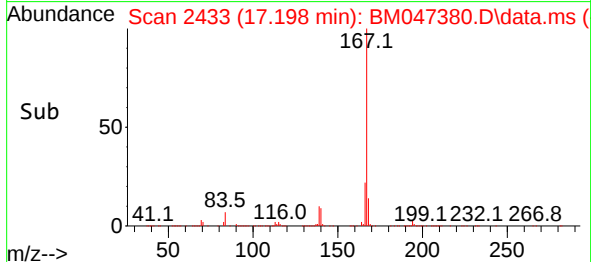
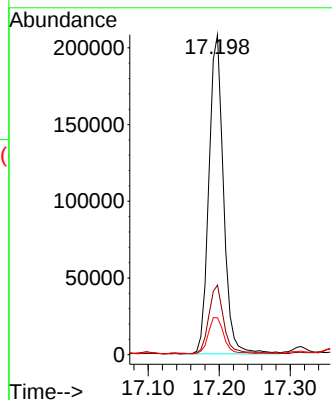
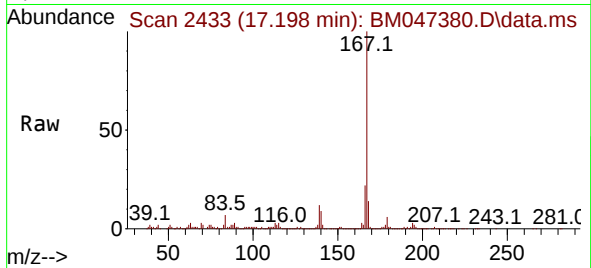




#73
 Carbazole
 Concen: 3.885 ng
 RT: 17.198 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

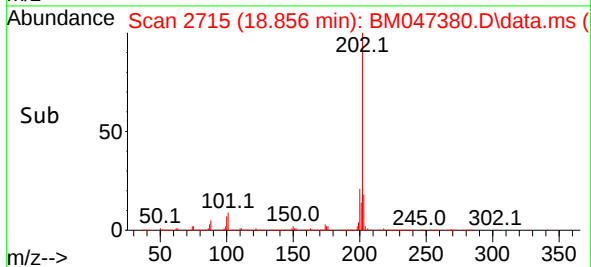
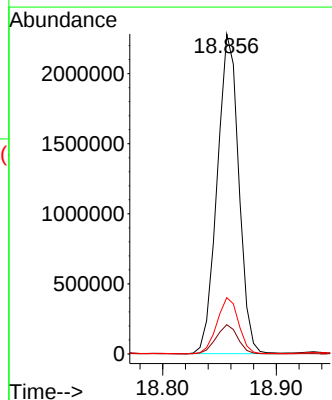
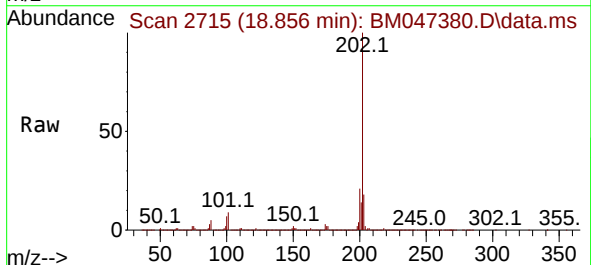
Instrument :
 BNA_M
 ClientSampleId :
 WC-11DL

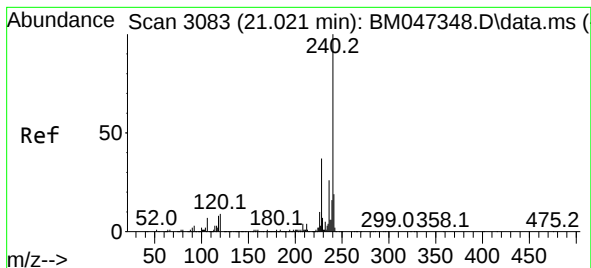
Tgt Ion:167 Resp: 297123
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.9 25.3
 139 11.6 9.5 14.3



#75
 Fluoranthene
 Concen: 31.388 ng
 RT: 18.856 min Scan# 2715
 Delta R.T. -0.000 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

Tgt Ion:202 Resp: 3013123
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.0
 203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

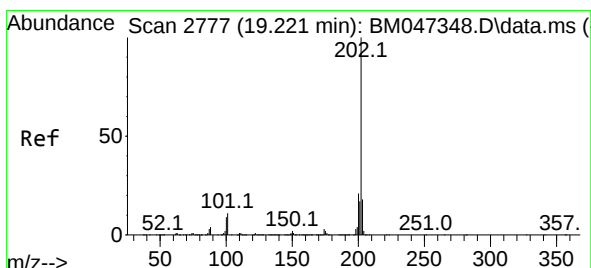
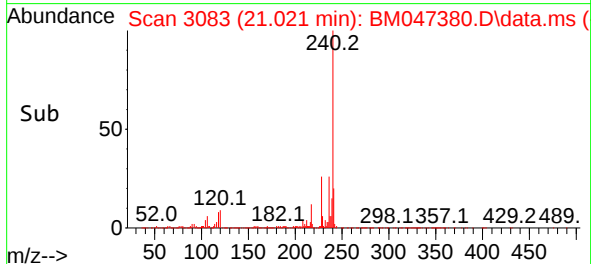
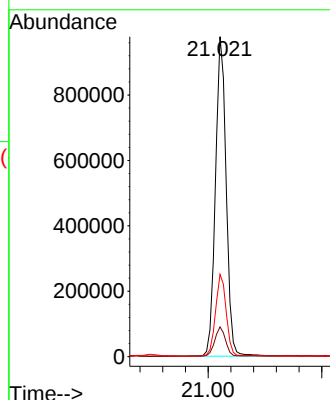
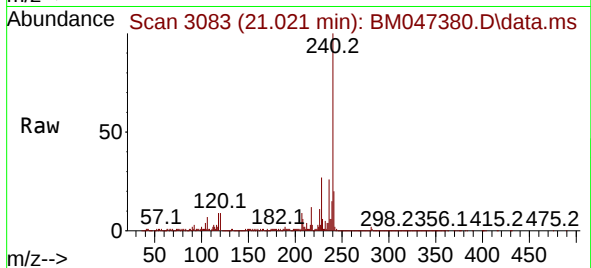
Tgt Ion:240 Resp: 1280743

Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.0

236 25.7 20.8 31.2



#78

Pyrene

Concen: 28.940 ng

RT: 19.227 min Scan# 2778

Delta R.T. 0.006 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

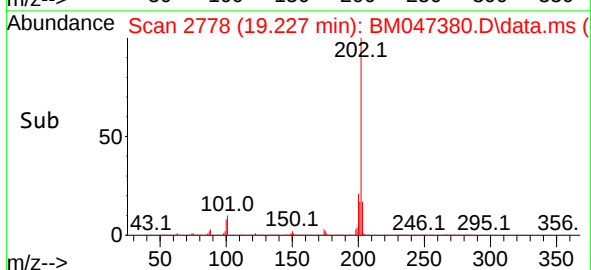
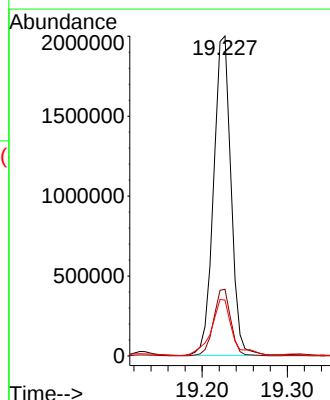
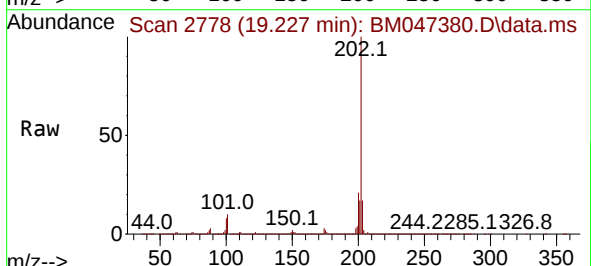
Tgt Ion:202 Resp: 2842796

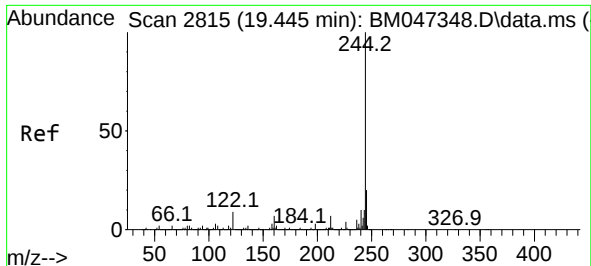
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

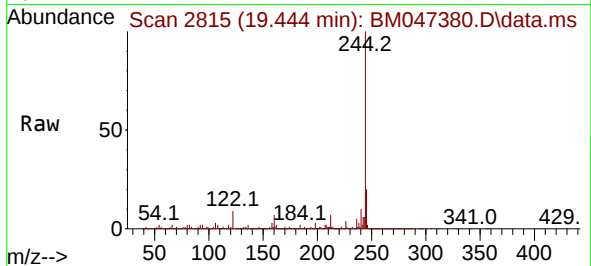
203 17.5 14.2 21.4



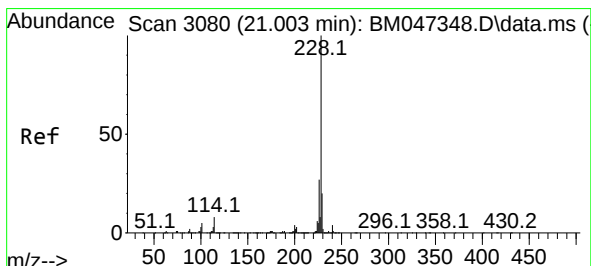
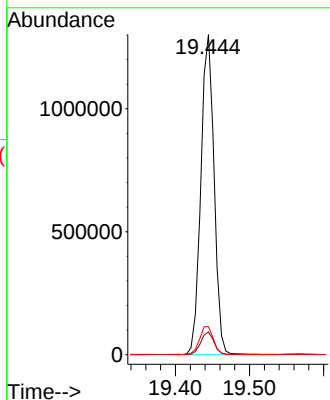
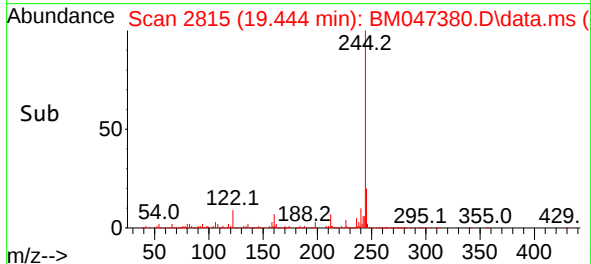


#79
 Terphenyl-d14
 Concen: 22.474 ng
 RT: 19.444 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

Instrument :
 BNA_M
 ClientSampleId :
 WC-11DL

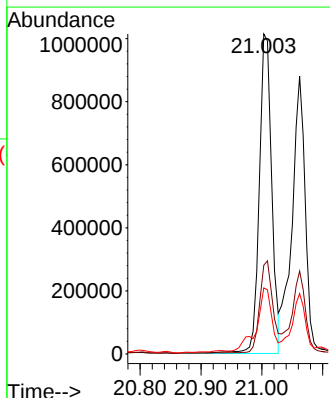
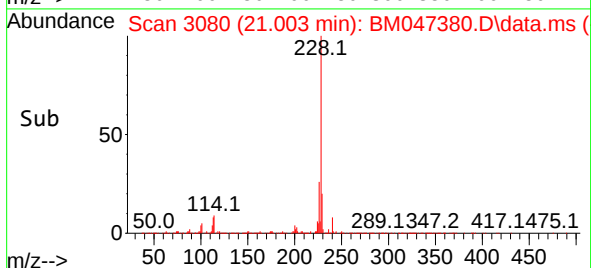
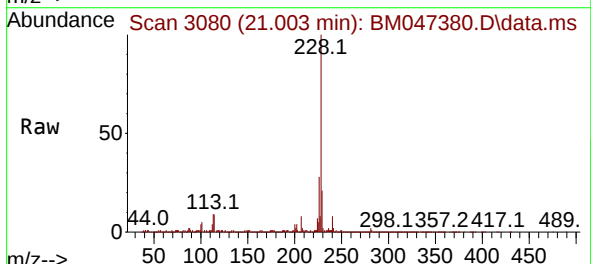


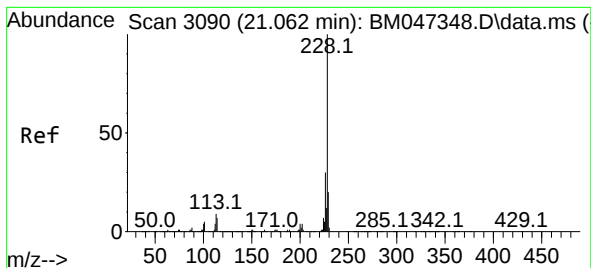
Tgt Ion:244 Resp: 1617095
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.7 7.0 10.4



#81
 Benzo(a)anthracene
 Concen: 17.238 ng
 RT: 21.003 min Scan# 3080
 Delta R.T. -0.000 min
 Lab File: BM047380.D
 Acq: 28 Aug 2024 14:24

Tgt Ion:228 Resp: 1439765
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 16.238 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.000 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

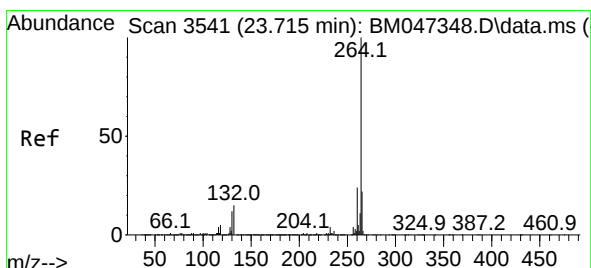
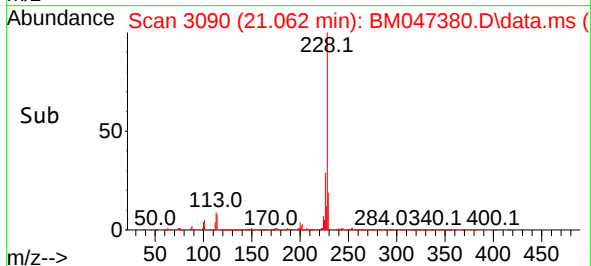
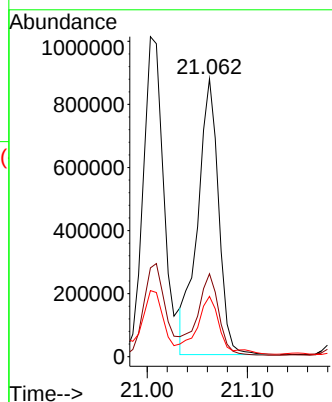
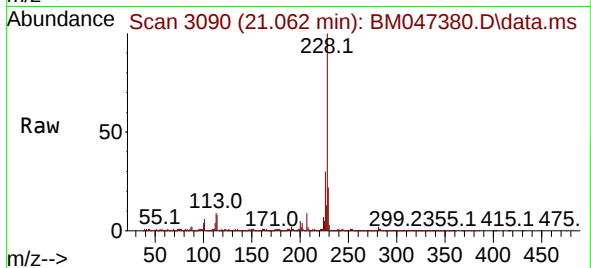
Tgt Ion:228 Resp: 1275756

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 21.7 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3543

Delta R.T. 0.012 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

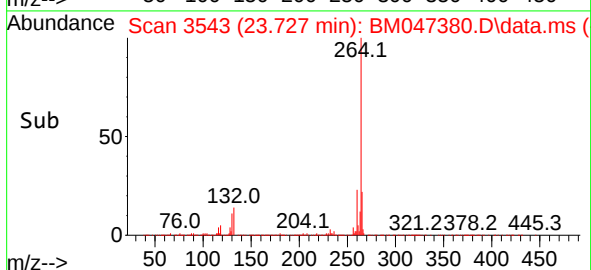
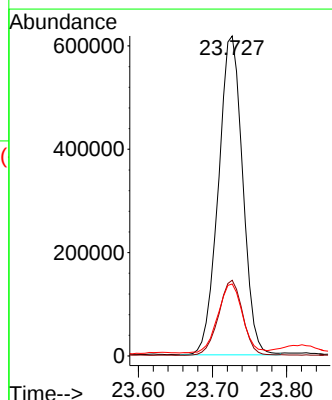
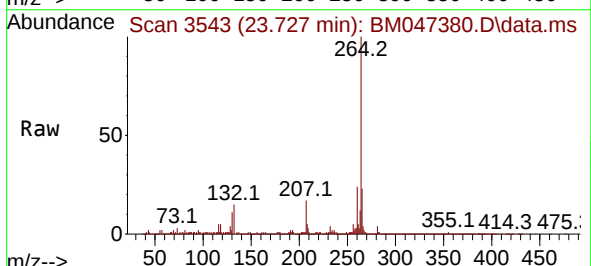
Tgt Ion:264 Resp: 1403597

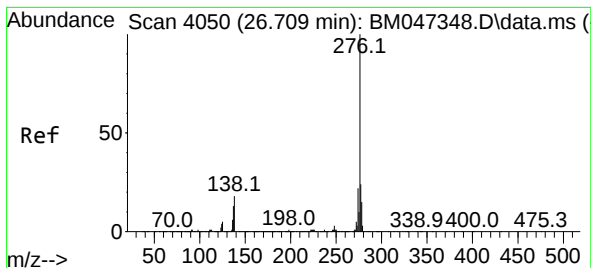
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.227 ng

RT: 26.720 min Scan# 40

Delta R.T. 0.012 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

Instrument :

BNA_M

ClientSampleId :

WC-11DL

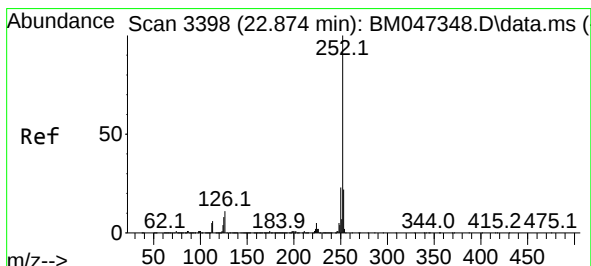
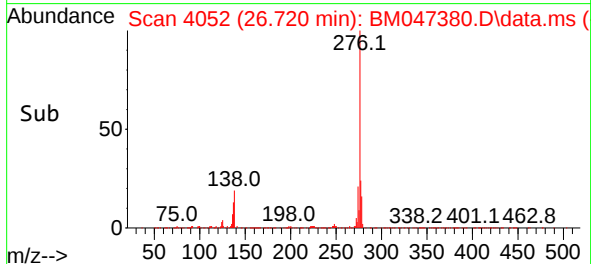
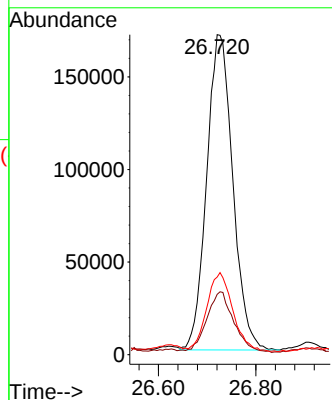
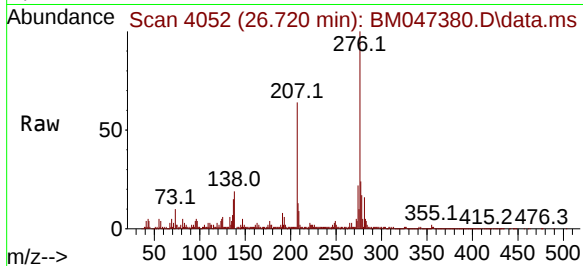
Tgt Ion:276 Resp: 635002

Ion Ratio Lower Upper

276 100

138 19.4 17.7 26.5

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 16.992 ng

RT: 22.885 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047380.D

Acq: 28 Aug 2024 14:24

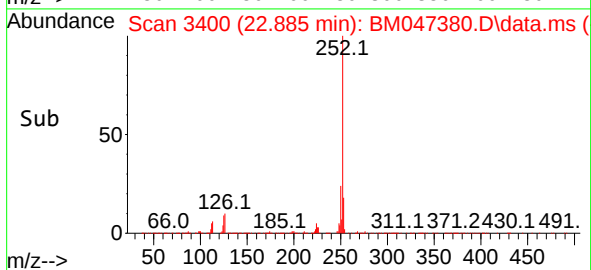
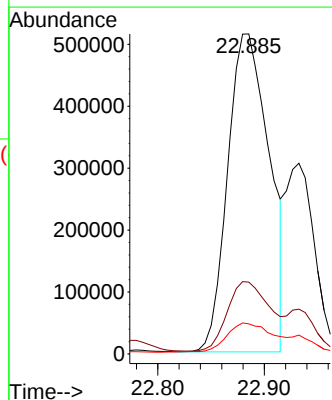
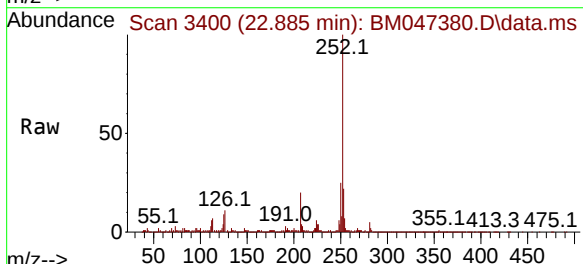
Tgt Ion:252 Resp: 1391423

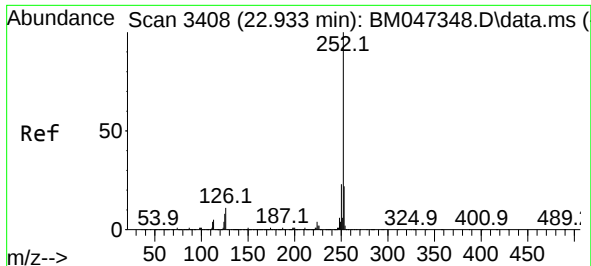
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 9.4 6.6 10.0

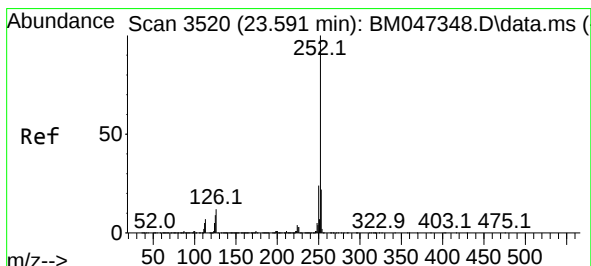
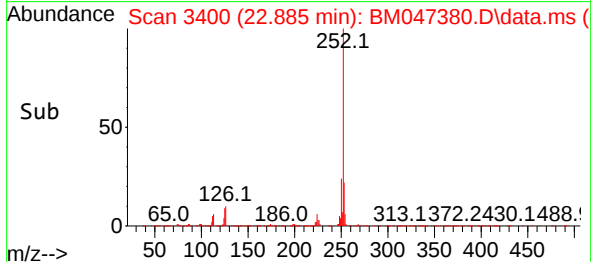
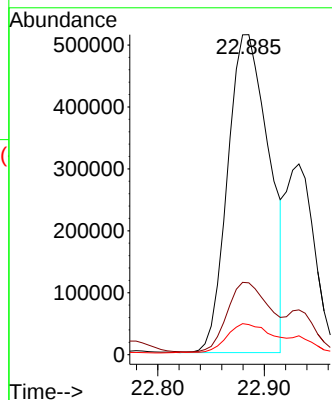
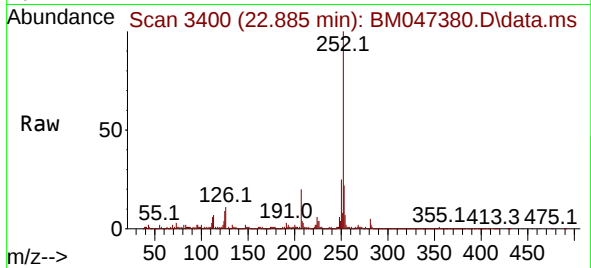




#89
Benzo(k)fluoranthene
Concen: 17.924 ng
RT: 22.885 min Scan# 3408
Delta R.T. -0.047 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

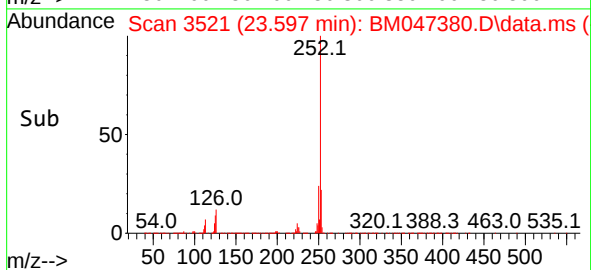
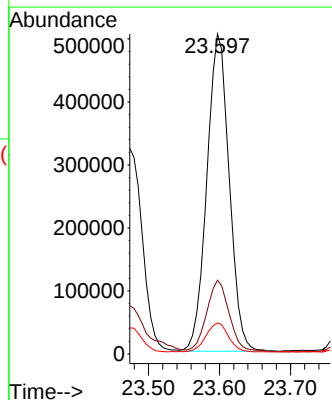
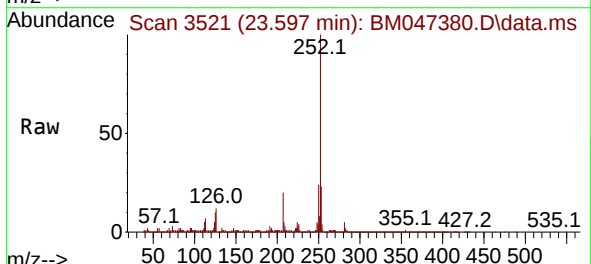
Instrument :
BNA_M
ClientSampleId :
WC-11DL

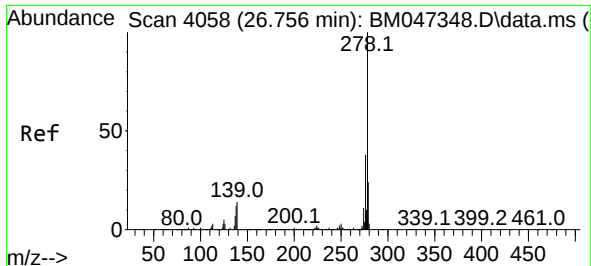
Tgt Ion:252 Resp: 1391423
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.4 6.6 9.8



#90
Benzo(a)pyrene
Concen: 15.560 ng
RT: 23.597 min Scan# 3521
Delta R.T. 0.006 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion:252 Resp: 1101866
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.7 7.4 11.2

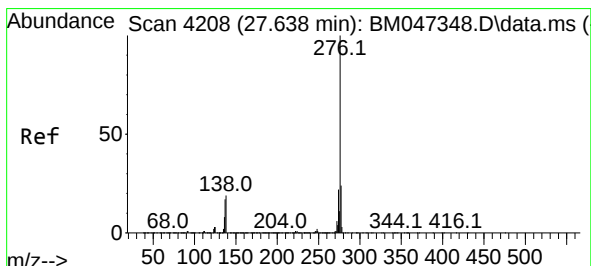
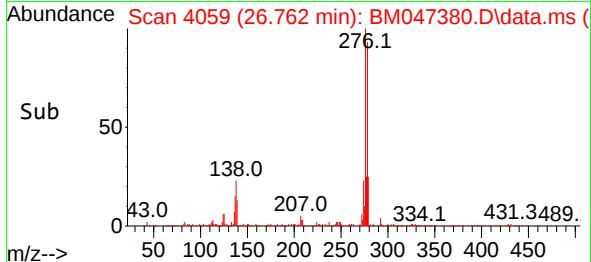
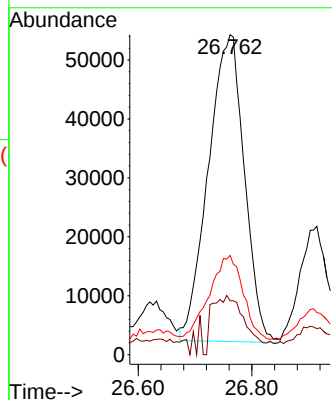
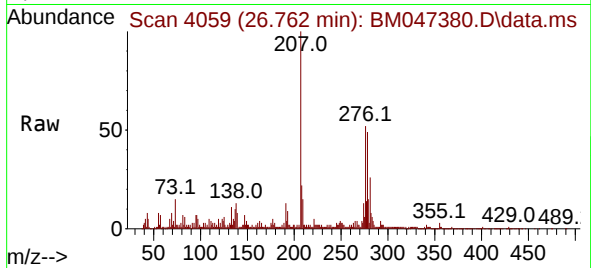




#91
Dibenzo(a,h)anthracene
Concen: 3.220 ng
RT: 26.762 min Scan# 4058
Delta R.T. 0.006 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Instrument :
BNA_M
ClientSampleId :
WC-11DL

Tgt Ion:278 Resp: 229193
Ion Ratio Lower Upper
278 100
139 16.9 11.1 16.7#
279 31.0 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 8.376 ng
RT: 27.662 min Scan# 4212
Delta R.T. 0.023 min
Lab File: BM047380.D
Acq: 28 Aug 2024 14:24

Tgt Ion:276 Resp: 619822
Ion Ratio Lower Upper
276 100
277 25.4 19.4 29.0
138 20.1 15.0 22.6

