

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
 Data File : BM047416.D
 Acq On : 30 Aug 2024 21:38
 Operator : RC/JU
 Sample : P3793-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT2864

Quant Time: Aug 30 23:39:35 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)

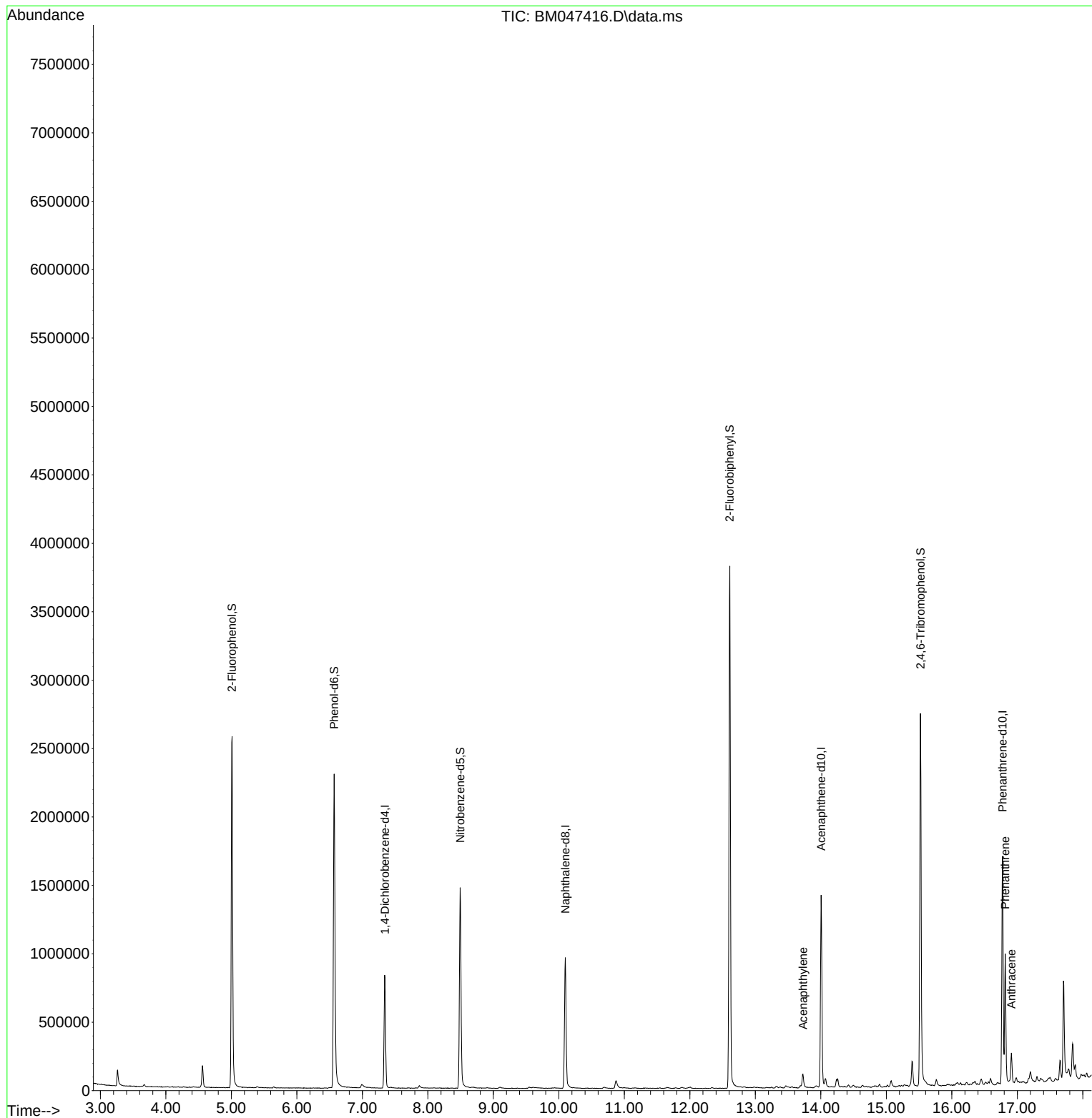
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	243158	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	841456	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	532440	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1057172	20.000	ng	0.00
76) Chrysene-d12	21.015	240	977499	20.000	ng	0.00
86) Perylene-d12	23.715	264	1157270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1196729	94.424	ng	0.00
7) Phenol-d6	6.569	99	1464779	84.839	ng	0.00
23) Nitrobenzene-d5	8.492	82	916623	60.442	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	588905	91.675	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	2199756	63.480	ng	0.00
79) Terphenyl-d14	19.439	244	3046712	55.478	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.475	77	240	Below Cal	#	27
49) Acenaphthylene	13.727	152	85636	2.022	ng	98
71) Phenanthrene	16.815	178	572302	11.147	ng	100
72) Anthracene	16.910	178	135731	2.712	ng	99
75) Fluoranthene	18.851	202	1486901	24.665	ng	99
78) Pyrene	19.221	202	1380140	18.409	ng	100
81) Benzo(a)anthracene	21.003	228	698998	10.965	ng	97
83) Chrysene	21.056	228	717920	11.973	ng	98
84) Bis(2-ethylhexyl)phtha...	20.950	149	423226	10.207	ng	98
87) Indeno(1,2,3-cd)pyrene	26.721	276	582838	8.045	ng	# 95
88) Benzo(b)fluoranthene	22.874	252	1104628	16.361	ng	100
89) Benzo(k)fluoranthene	22.874	252	1104628	17.259	ng	99
90) Benzo(a)pyrene	23.591	252	770338	13.193	ng	99
91) Dibenzo(a,h)anthracene	26.744	278	139205	2.372	ng	# 88
92) Benzo(g,h,i)perylene	27.656	276	574611	9.418	ng	98

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

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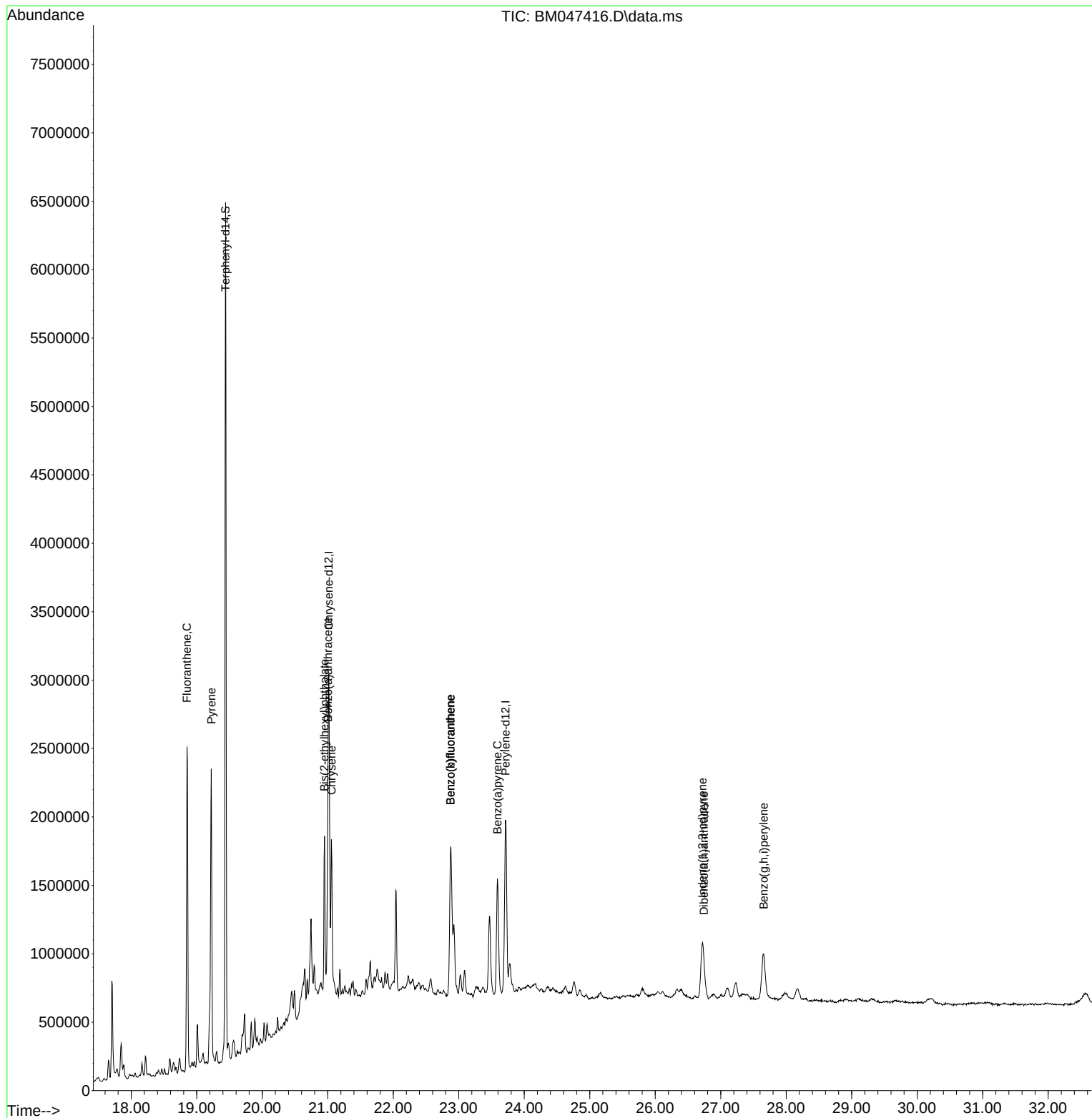
Quant Time: Aug 30 23:39:35 2024
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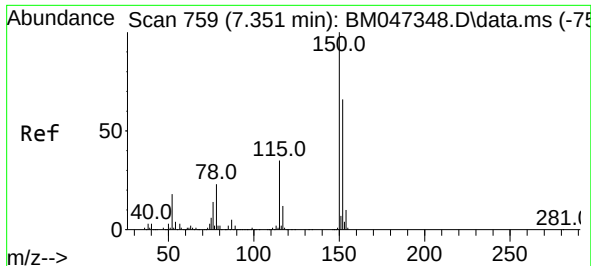


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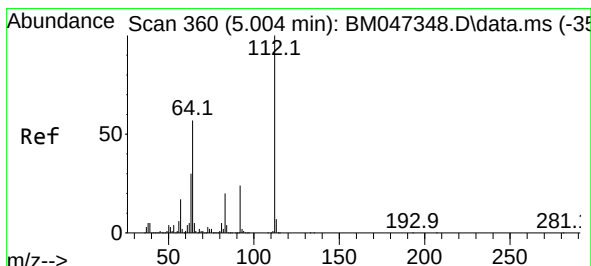
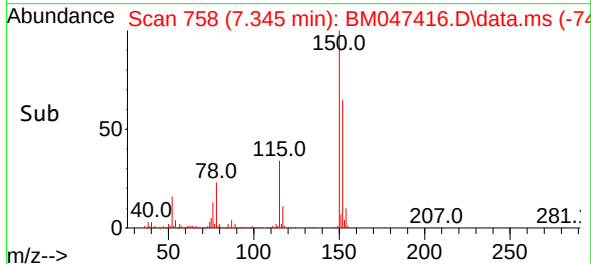
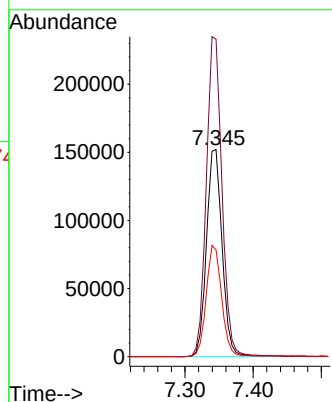
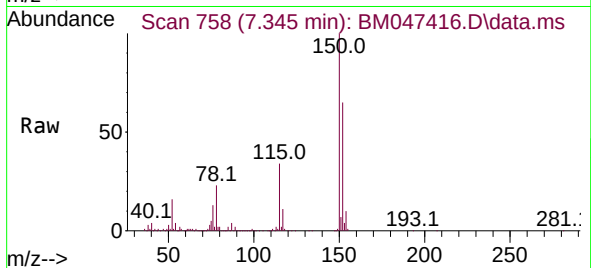




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

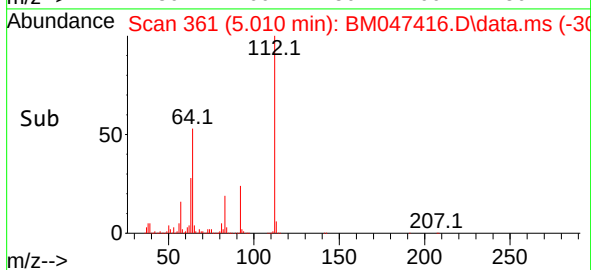
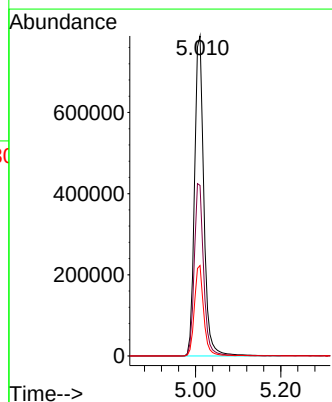
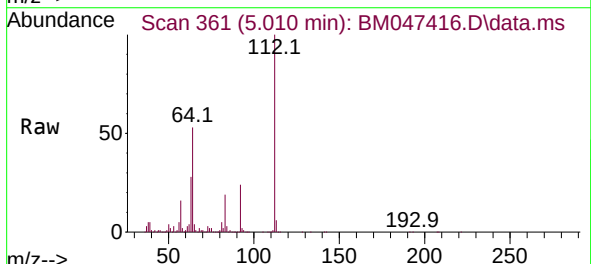
Instrument :
BNA_M
ClientSampleId :
RT2864

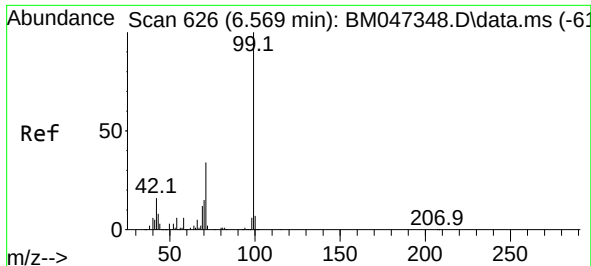
Tgt Ion:152 Resp: 243158
Ion Ratio Lower Upper
152 100
150 153.2 121.3 181.9
115 51.5 42.6 64.0



#5
2-Fluorophenol
Concen: 94.424 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:112 Resp: 1196729
Ion Ratio Lower Upper
112 100
64 53.3 45.7 68.5
63 28.2 23.8 35.8

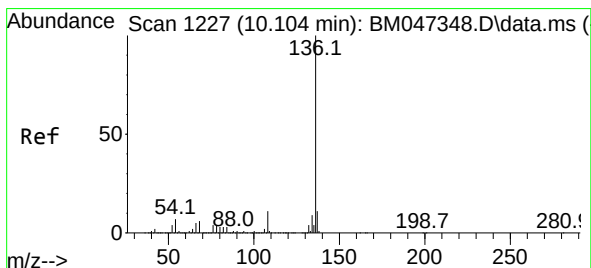
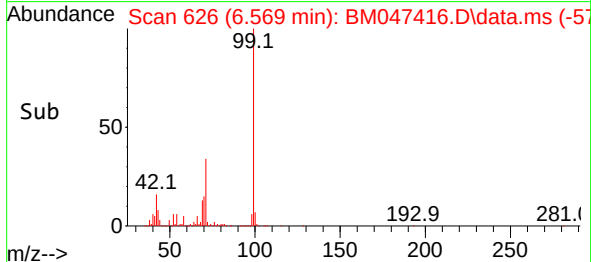
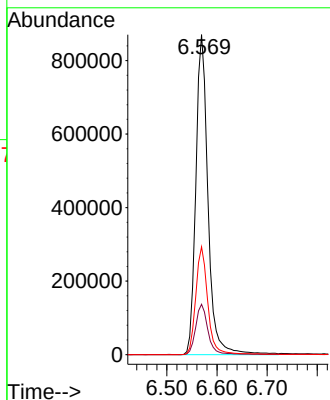
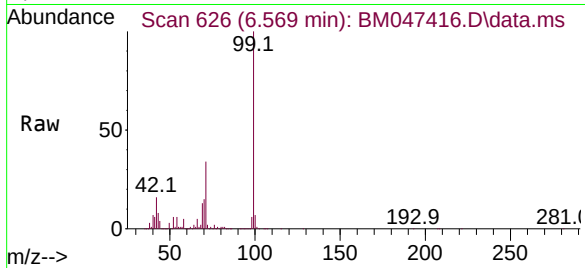




#7
Phenol-d6
Concen: 84.839 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

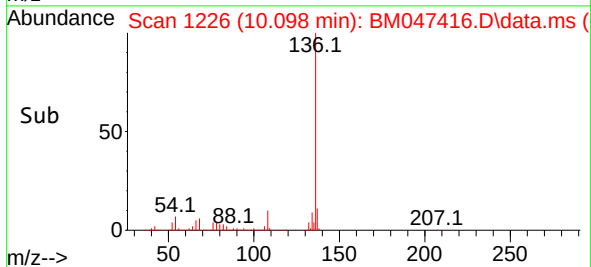
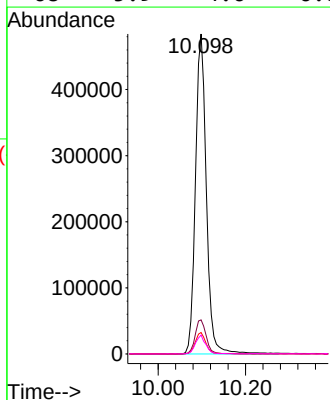
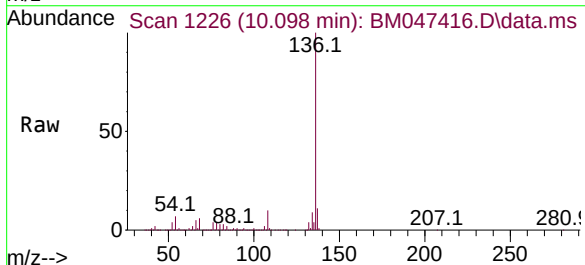
Instrument :
BNA_M
ClientSampleId :
RT2864

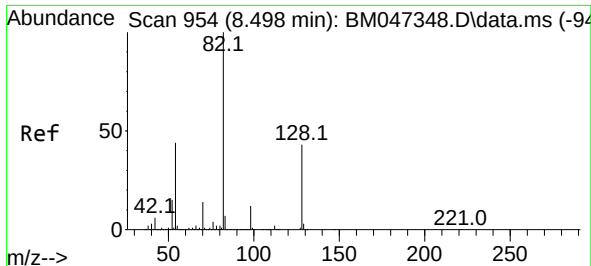
Tgt Ion: 99 Resp: 1464779
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 33.7 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion: 136 Resp: 841456
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.7 5.2 7.8
68 5.9 4.6 6.8

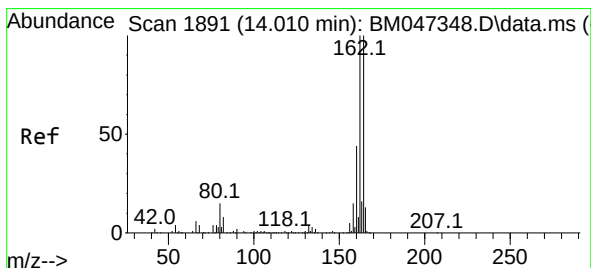
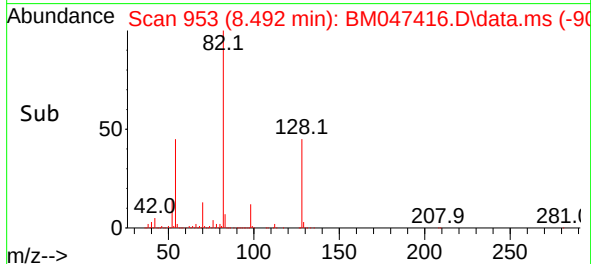
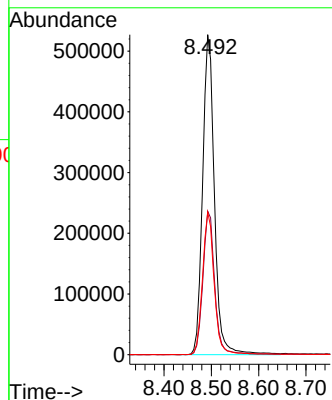
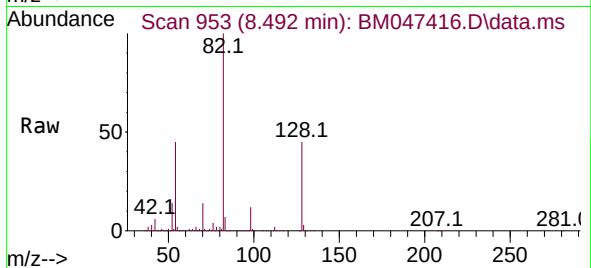




#23
Nitrobenzene-d5
Concen: 60.442 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

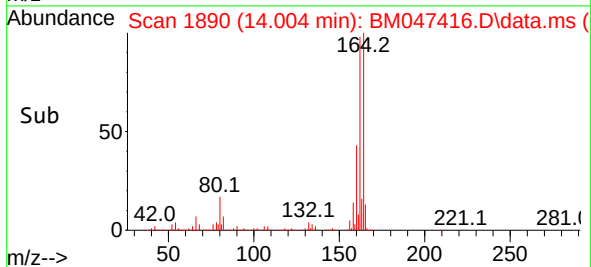
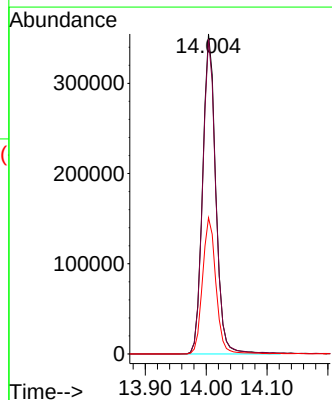
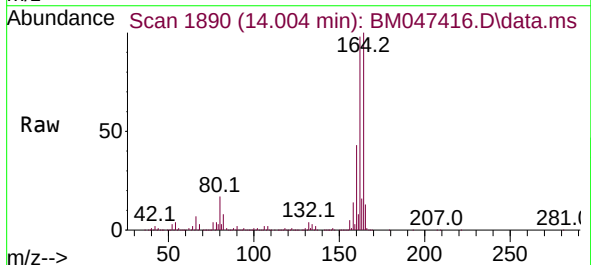
Instrument :
BNA_M
ClientSampleId :
RT2864

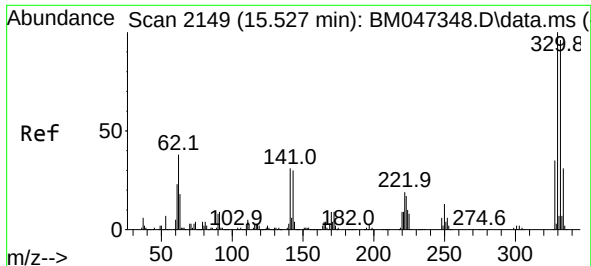
Tgt Ion: 82 Resp: 916623
Ion Ratio Lower Upper
82 100
128 44.8 34.6 51.8
54 44.6 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion: 164 Resp: 532440
Ion Ratio Lower Upper
164 100
162 98.4 79.7 119.5
160 42.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 91.675 ng

RT: 15.521 min Scan# 2149

Delta R.T. -0.006 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

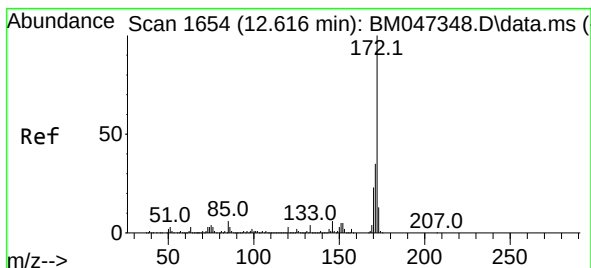
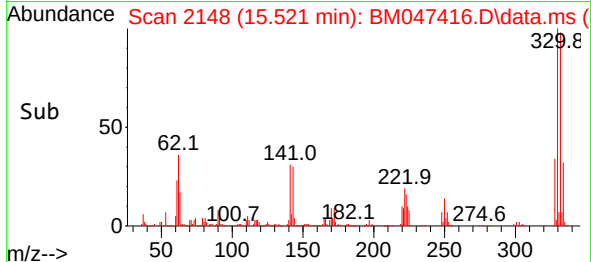
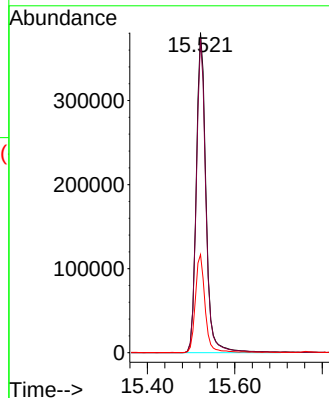
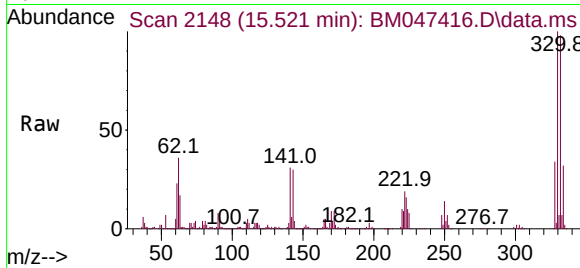
Tgt Ion:330 Resp: 588905

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

141 30.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 63.480 ng

RT: 12.610 min Scan# 1653

Delta R.T. -0.006 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

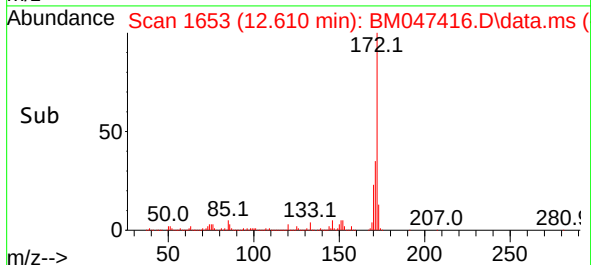
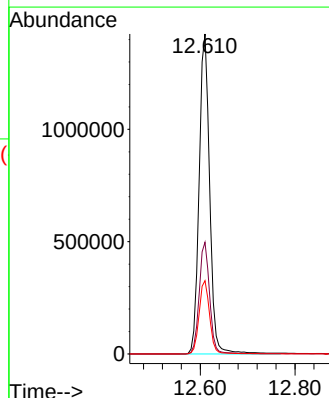
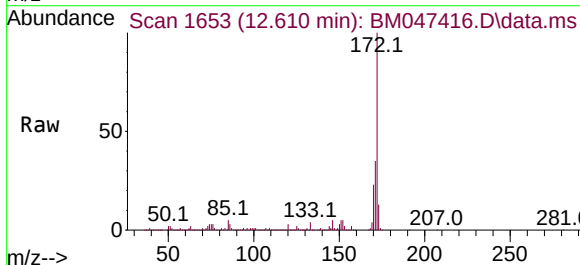
Tgt Ion:172 Resp: 2199756

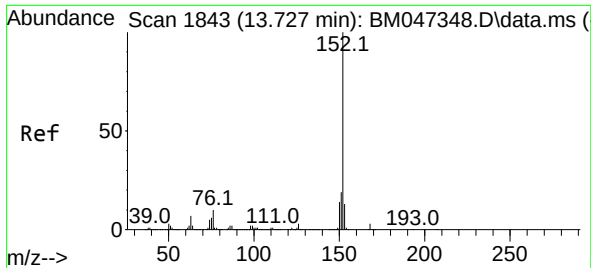
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 22.9 18.5 27.7

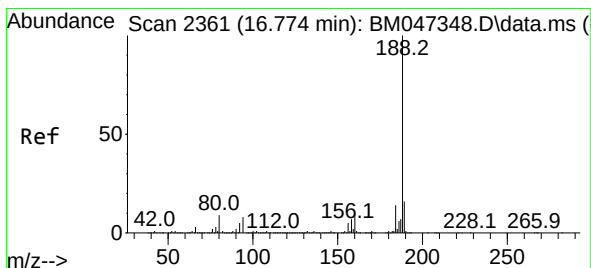
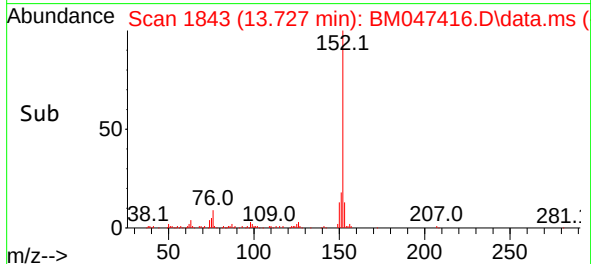
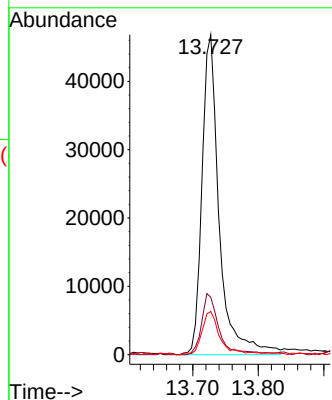
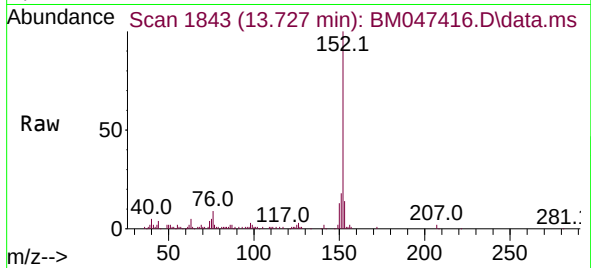




#49
Acenaphthylene
Concen: 2.022 ng
RT: 13.727 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

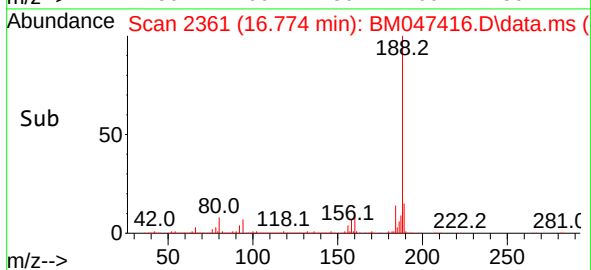
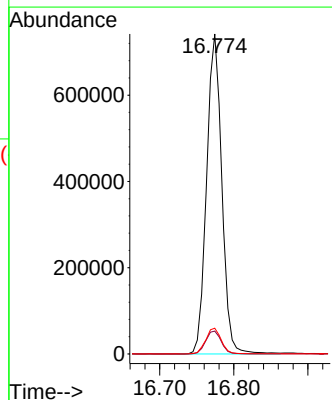
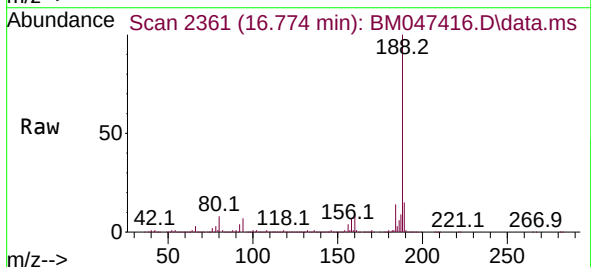
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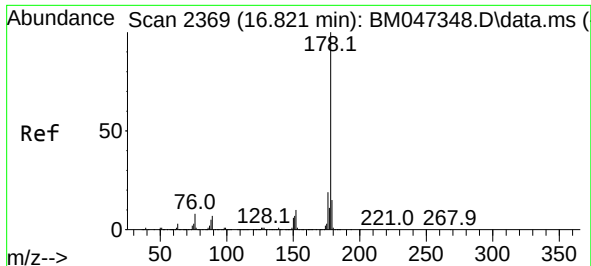
Tgt Ion:152 Resp: 85636
Ion Ratio Lower Upper
152 100
151 18.0 15.4 23.0
153 13.5 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:188 Resp: 1057172
Ion Ratio Lower Upper
188 100
94 7.1 6.4 9.6
80 8.0 7.4 11.2

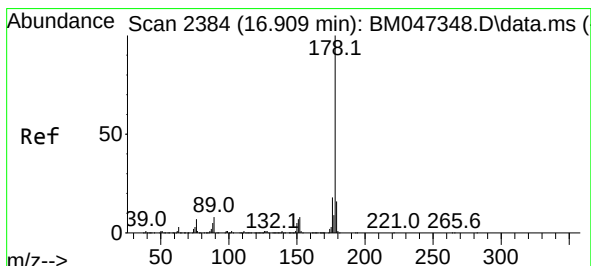
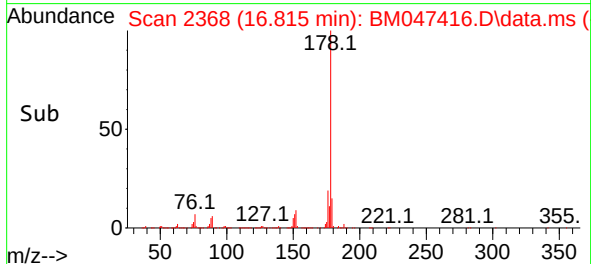
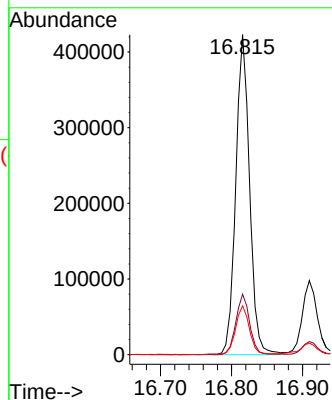
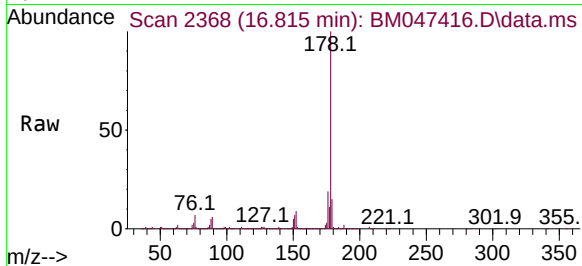




#71
Phenanthrene
Concen: 11.147 ng
RT: 16.815 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

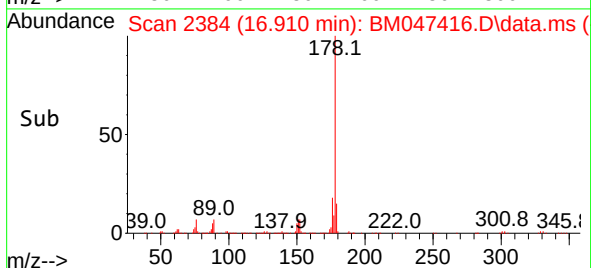
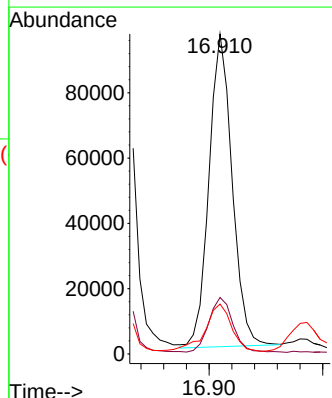
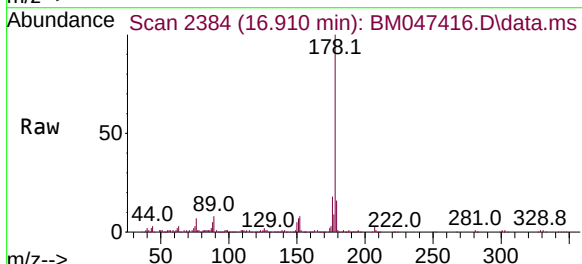
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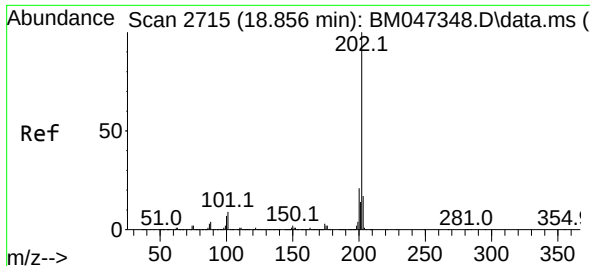
Tgt Ion:178 Resp: 572302
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.2 12.2 18.4



#72
Anthracene
Concen: 2.712 ng
RT: 16.910 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:178 Resp: 135731
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 15.6 12.6 18.8

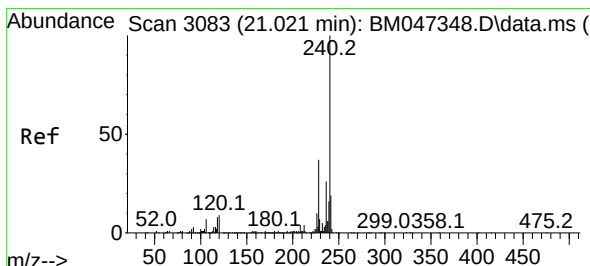
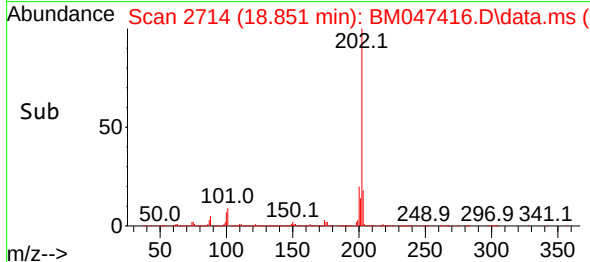
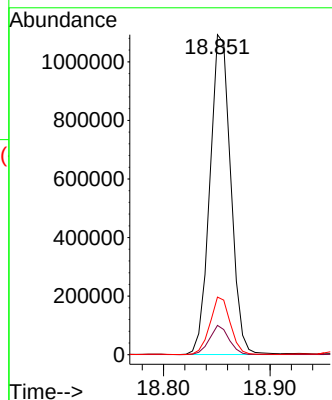
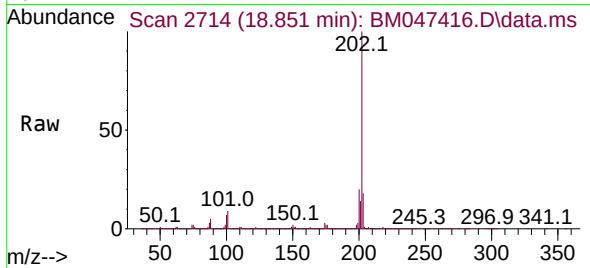




#75
Fluoranthene
Concen: 24.665 ng
RT: 18.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

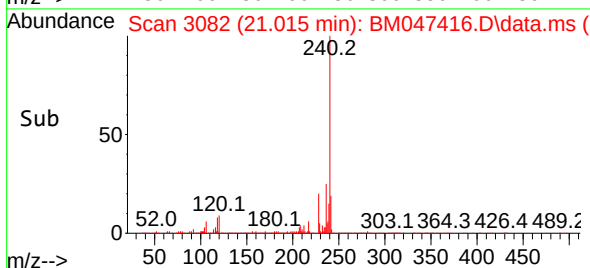
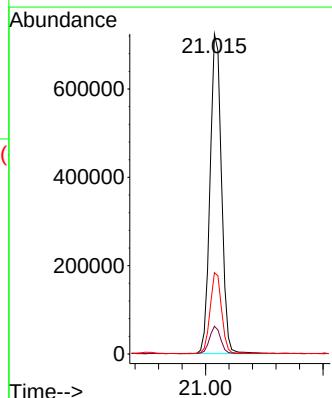
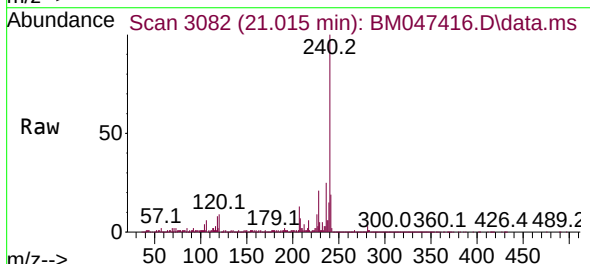
Instrument :
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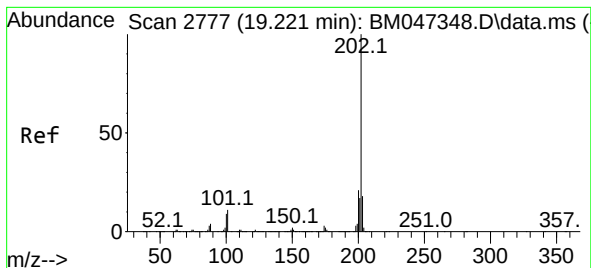
Tgt Ion:202 Resp: 1486901
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.0
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:240 Resp: 977499
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 25.4 20.8 31.2





#78

Pyrene

Concen: 18.409 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

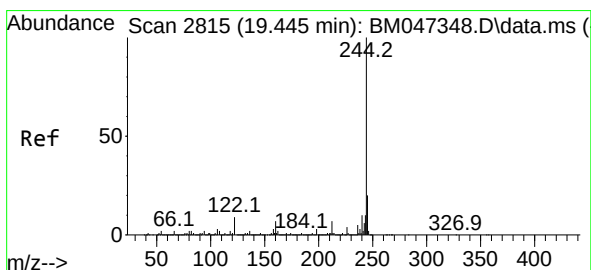
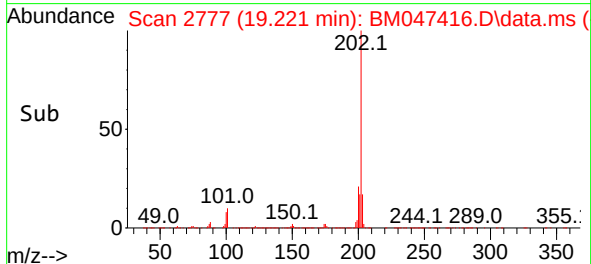
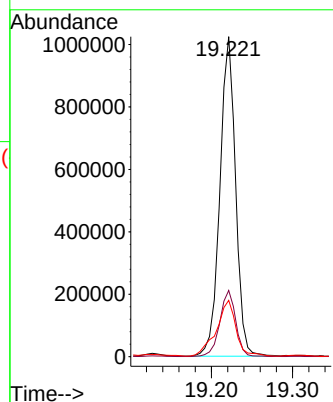
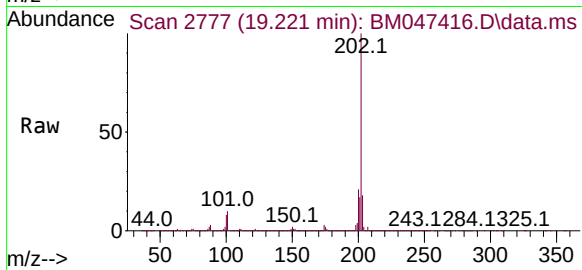
Tgt Ion:202 Resp: 1380140

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.6 14.2 21.4



#79

Terphenyl-d14

Concen: 55.478 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

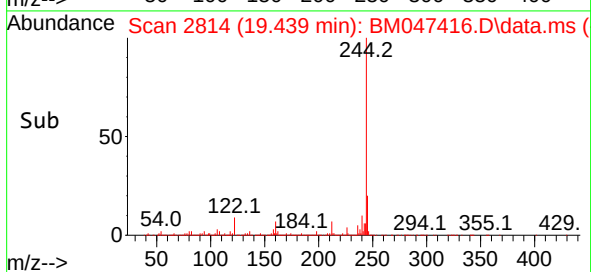
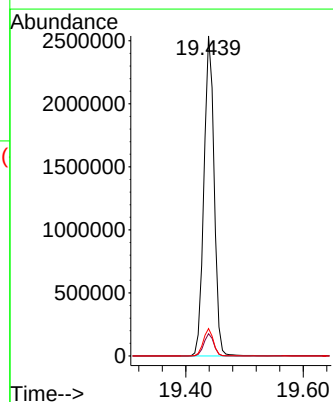
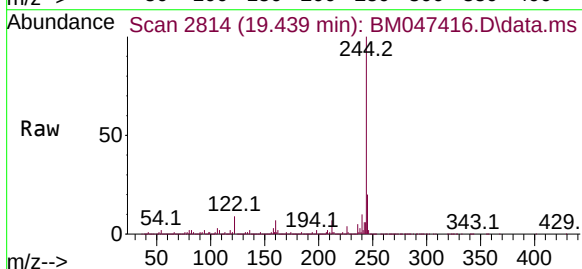
Tgt Ion:244 Resp: 3046712

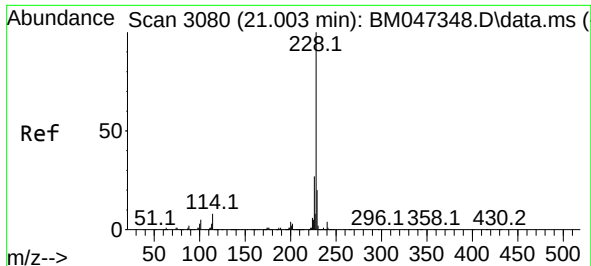
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.5 7.0 10.4

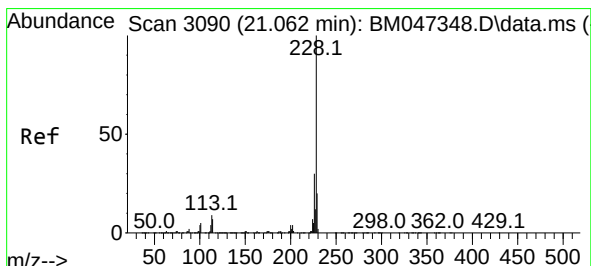
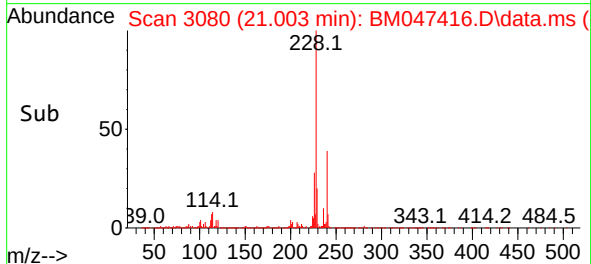
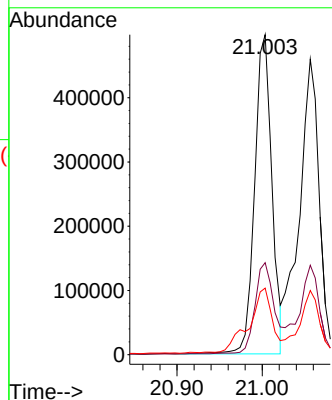
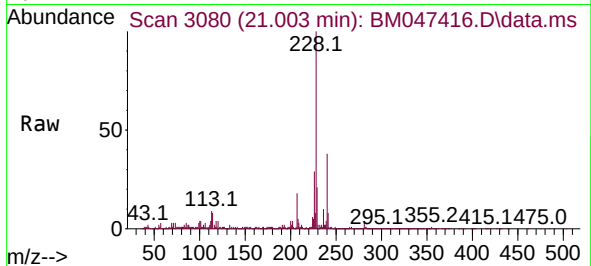




#81
Benzo(a)anthracene
Concen: 10.965 ng
RT: 21.003 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

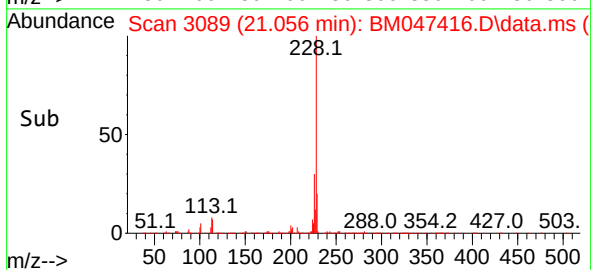
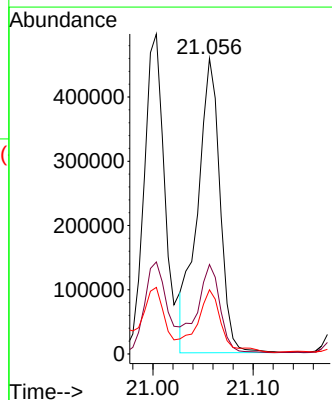
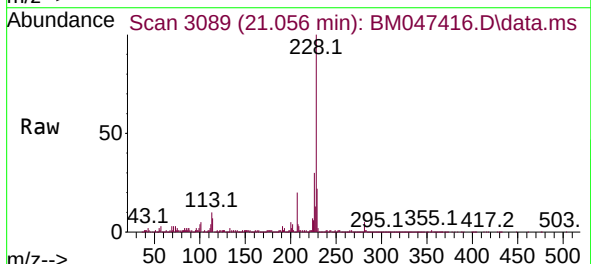
Instrument :
BNA_M
ClientSampleId :
RT2864

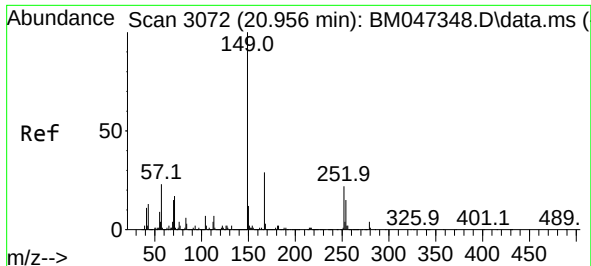
Tgt Ion:228 Resp: 698998
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.8 15.8 23.8



#83
Chrysene
Concen: 11.973 ng
RT: 21.056 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:228 Resp: 717920
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 21.7 15.9 23.9

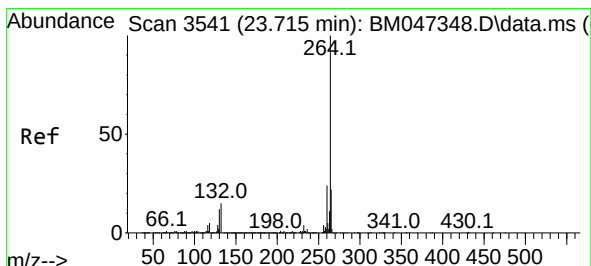
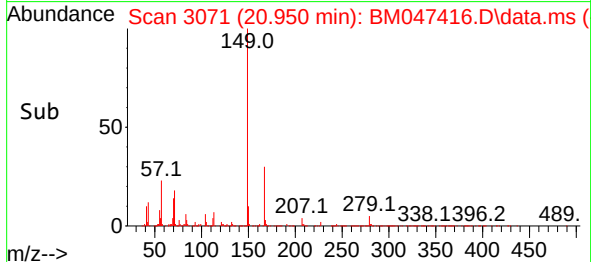
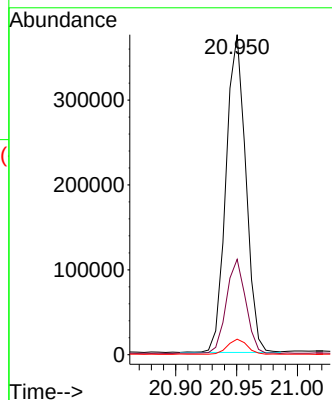
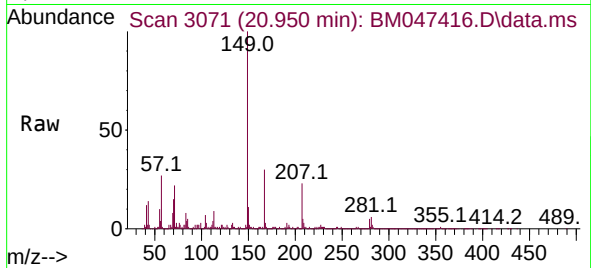




#84
Bis(2-ethylhexyl)phthalate
Concen: 10.207 ng
RT: 20.950 min Scan# 3072
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

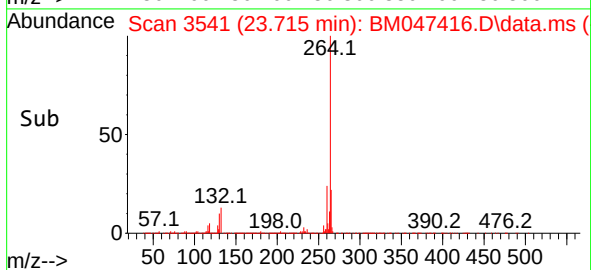
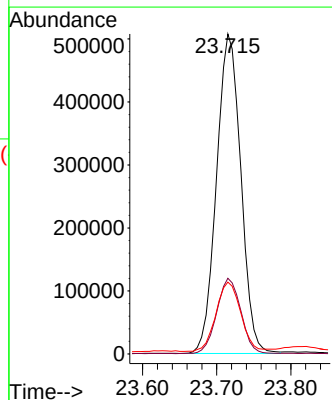
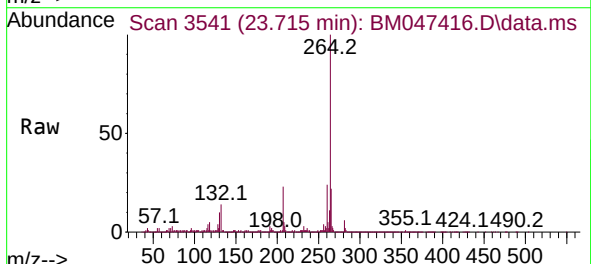
Instrument :
BNA_M
ClientSampleId :
RT2864

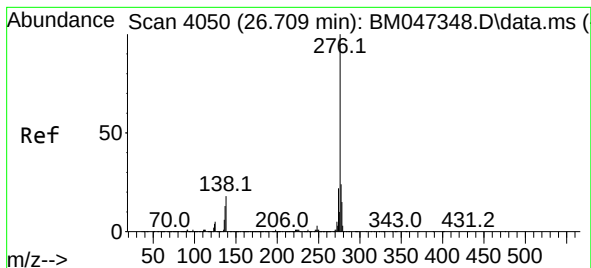
Tgt Ion:149 Resp: 423226
Ion Ratio Lower Upper
149 100
167 29.8 23.1 34.7
279 4.9 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:264 Resp: 1157270
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: 8.045 ng

RT: 26.721 min Scan# 4050

Delta R.T. 0.012 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

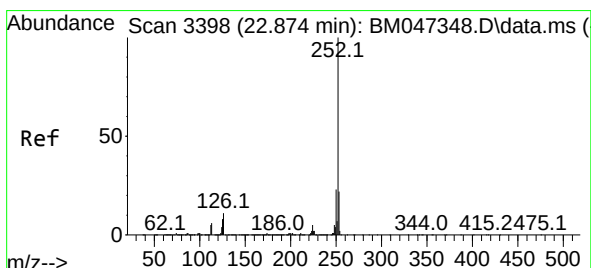
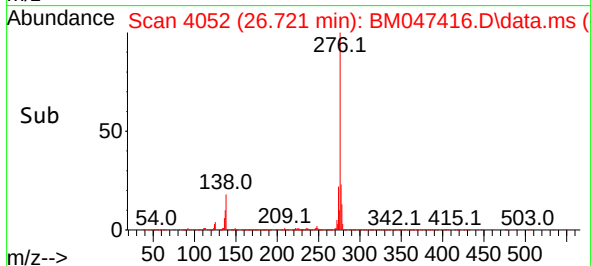
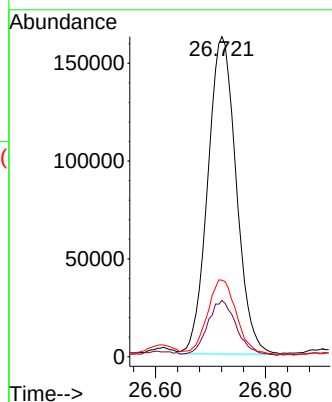
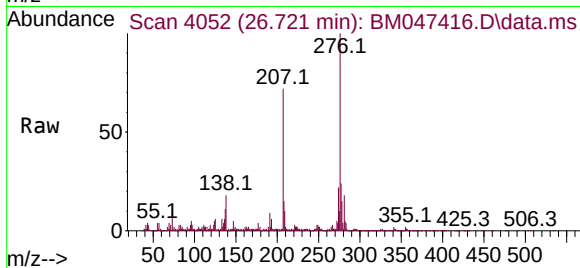
Tgt Ion:276 Resp: 582838

Ion Ratio Lower Upper

276 100

138 17.5 17.7 26.5#

277 24.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 16.361 ng

RT: 22.874 min Scan# 3398

Delta R.T. 0.000 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

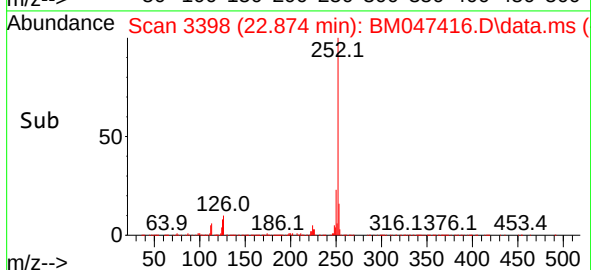
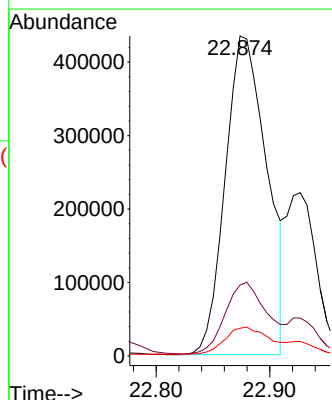
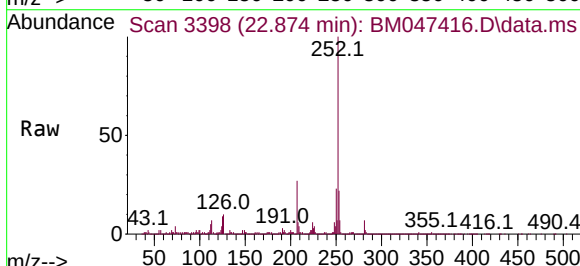
Tgt Ion:252 Resp: 1104628

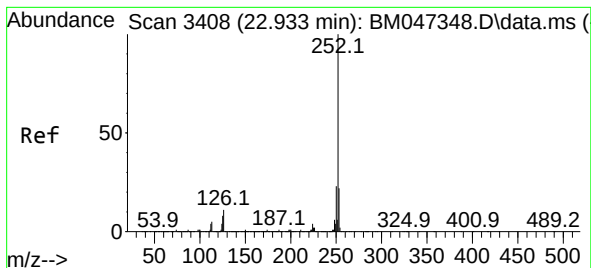
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 8.6 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 17.259 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

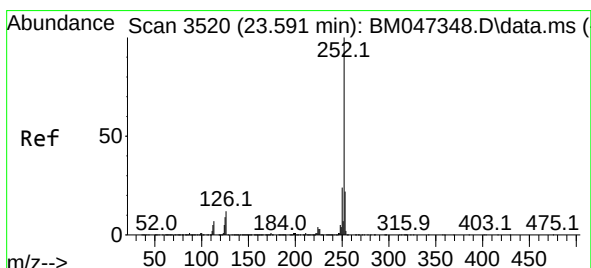
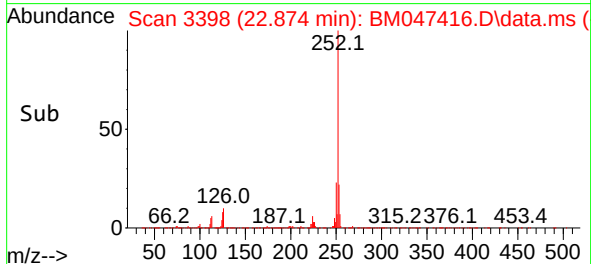
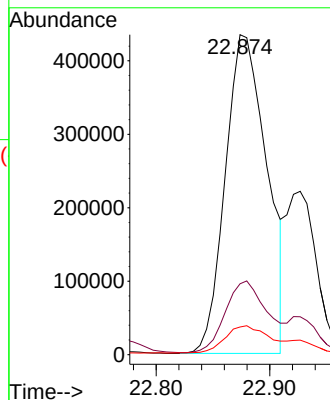
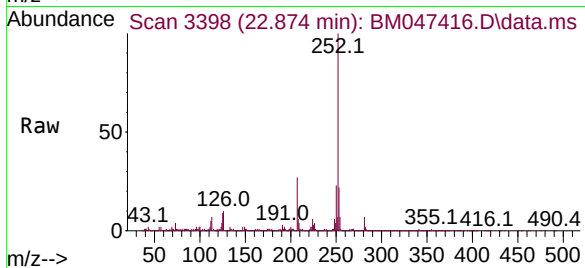
Tgt Ion:252 Resp: 1104628

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.6 6.6 9.8



#90

Benzo(a)pyrene

Concen: 13.193 ng

RT: 23.591 min Scan# 3520

Delta R.T. 0.000 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

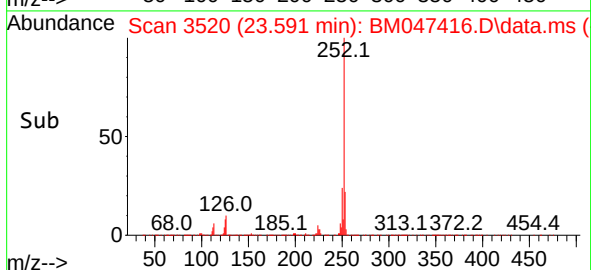
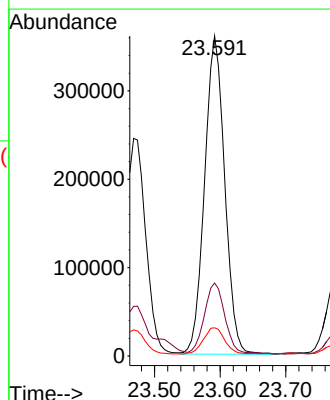
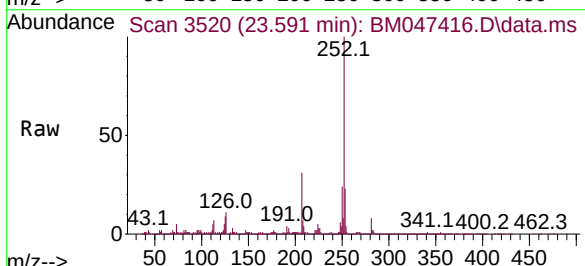
Tgt Ion:252 Resp: 770338

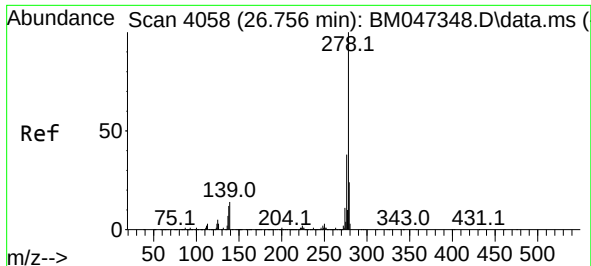
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 8.8 7.4 11.2

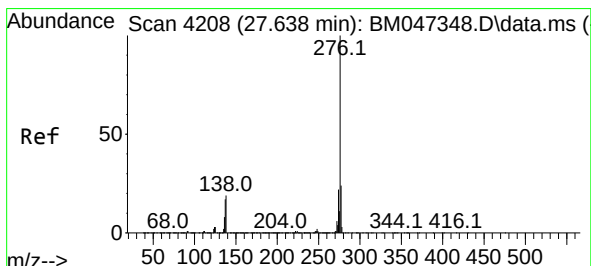
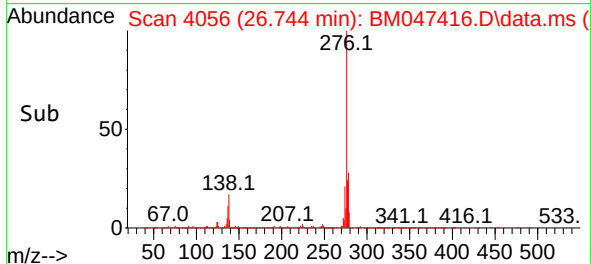
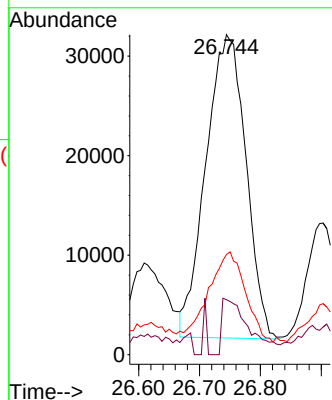
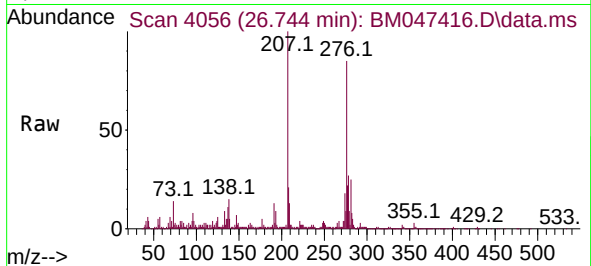




#91
Dibenzo(a,h)anthracene
Concen: 2.372 ng
RT: 26.744 min Scan# 4056
Delta R.T. -0.012 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Instrument :
BNA_M
ClientSampleId :
RT2864

Tgt Ion:278 Resp: 139205
Ion Ratio Lower Upper
278 100
139 17.2 11.1 16.7#
279 31.3 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 9.418 ng
RT: 27.656 min Scan# 4211
Delta R.T. 0.018 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:276 Resp: 574611
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 17.8 15.0 22.6

