

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047369.D
 Acq On : 27 Aug 2024 18:38
 Operator : RC/JU
 Sample : P3737-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-4

Quant Time: Aug 28 02:30:58 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

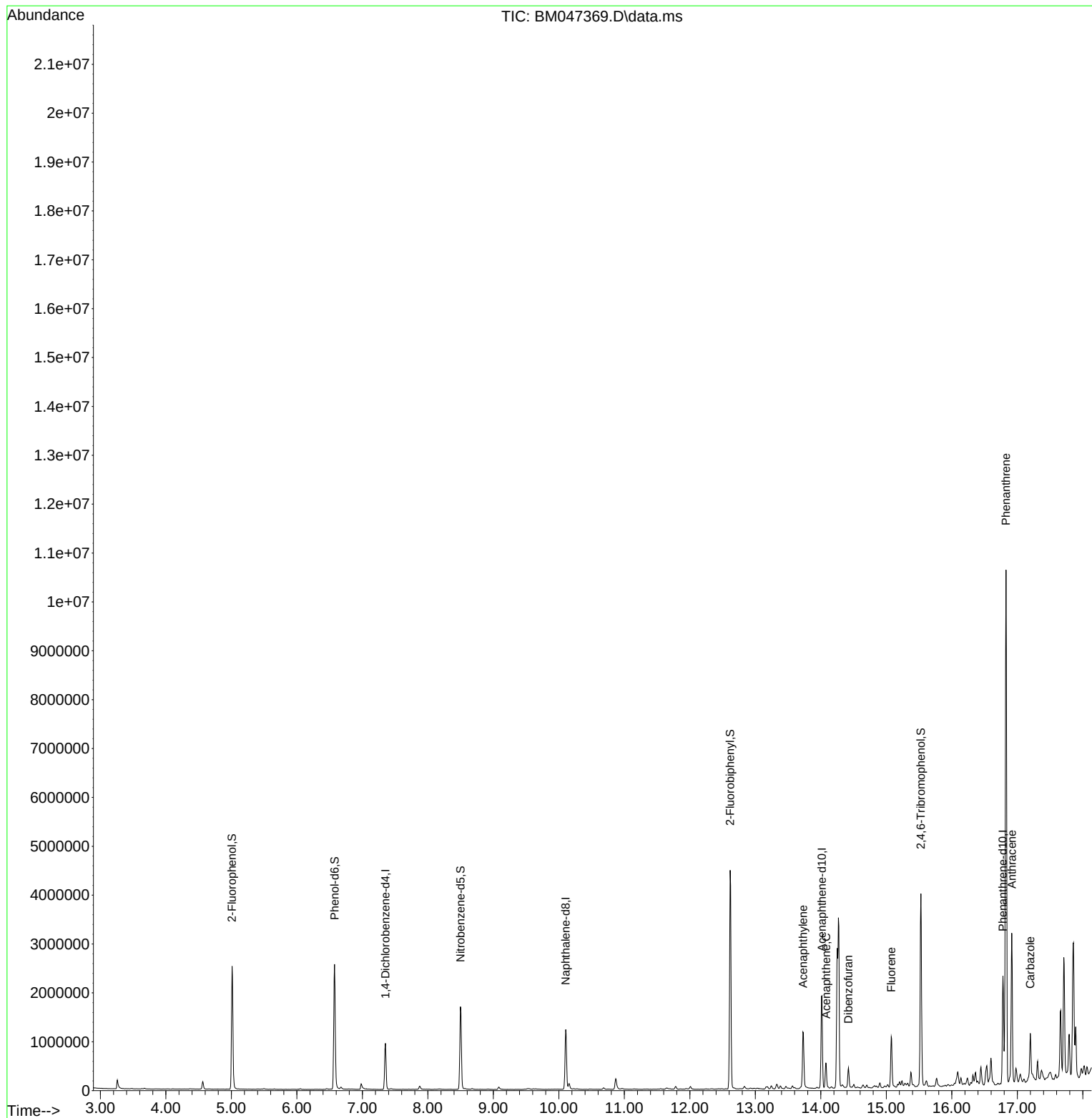
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	263612	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1024817	20.000	ng	0.00
39) Acenaphthene-d10	14.016	164	688142	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1356825	20.000	ng	0.00
76) Chrysene-d12	21.033	240	834761	20.000	ng	0.01
86) Perylene-d12	23.739	264	993625	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1168621	85.052	ng	0.00
7) Phenol-d6	6.575	99	1559812	83.334	ng	0.00
23) Nitrobenzene-d5	8.498	82	1019121	55.177	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	695108	83.724	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2450566	54.717	ng	0.00
79) Terphenyl-d14	19.451	244	2789654	59.484	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.727	152	947337	17.310	ng	99
52) Acenaphthene	14.080	154	190110	5.472	ng	99
55) Dibenzofuran	14.422	168	251854	4.501	ng	100
58) Fluorene	15.074	166	484114	10.690	ng	99
71) Phenanthrene	16.827	178	6522087	98.979	ng	99
72) Anthracene	16.916	178	1867557	29.074	ng	100
73) Carbazole	17.198	167	623513	10.115	ng	99
75) Fluoranthene	18.874	202	11916096	154.012	ng	98
78) Pyrene	19.239	202	10515358	164.242	ng	98
81) Benzo(a)anthracene	21.015	228	5714083	104.966	ng	96
83) Chrysene	21.074	228	5166898	100.901	ng	97
84) Bis(2-ethylhexyl)phtha...	20.962	149	265444	7.496	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.774	276	4301087	69.148	ng	96
88) Benzo(b)fluoranthene	22.909	252	7617968	131.412	ng	98
89) Benzo(k)fluoranthene	22.950	252	2893153m	52.647	ng	
90) Benzo(a)pyrene	23.627	252	5485018	109.412	ng	98
91) Dibenzo(a,h)anthracene	26.785	278	1093955	21.710	ng	# 91
92) Benzo(g,h,i)perylene	27.715	276	4277361	81.651	ng	99

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

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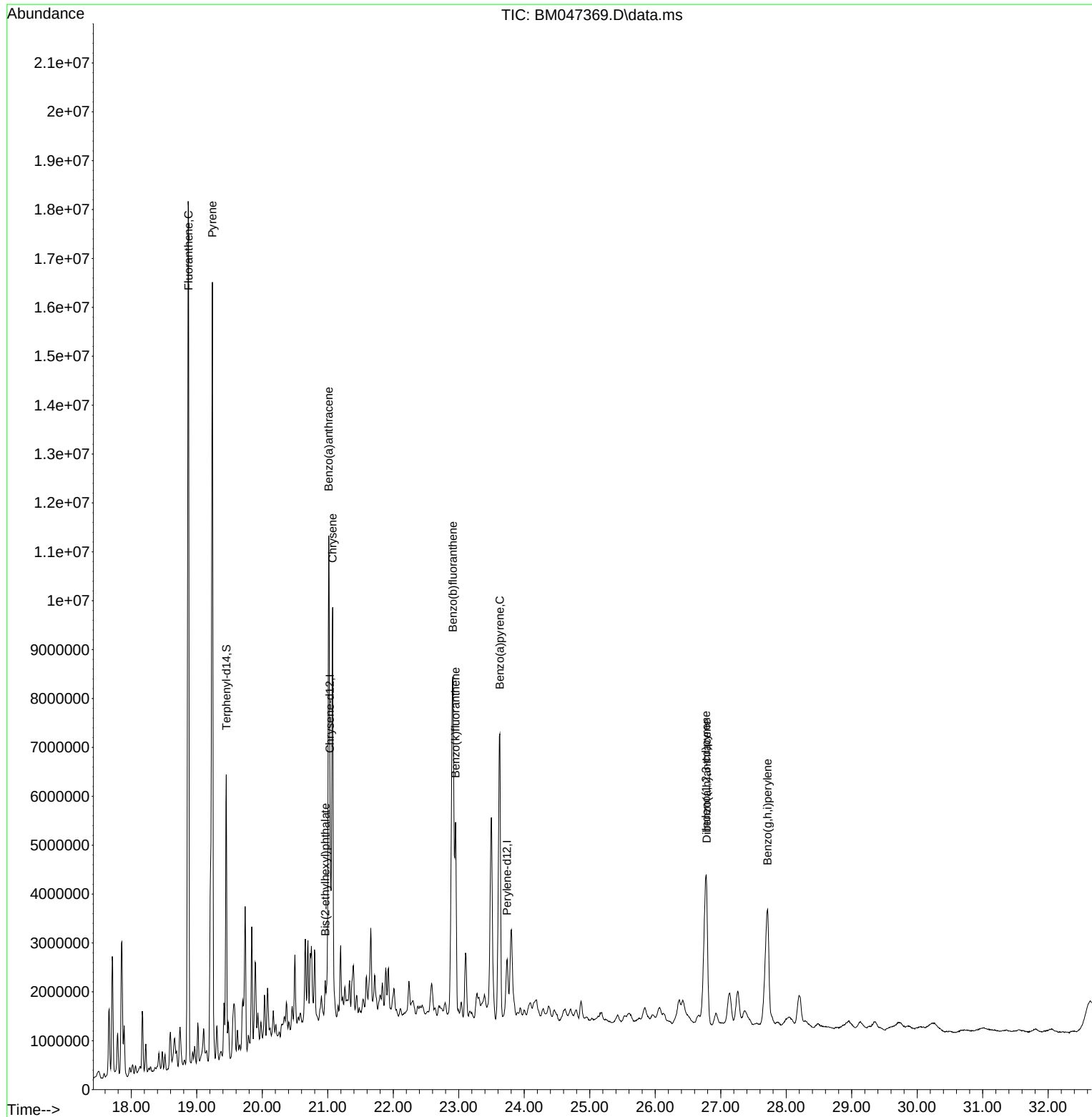
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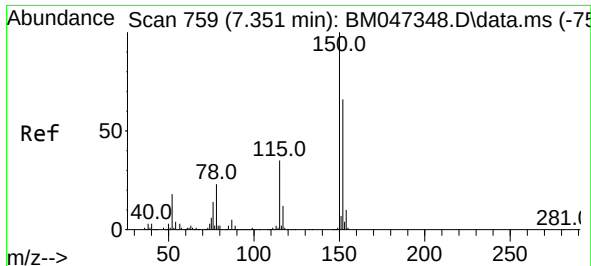


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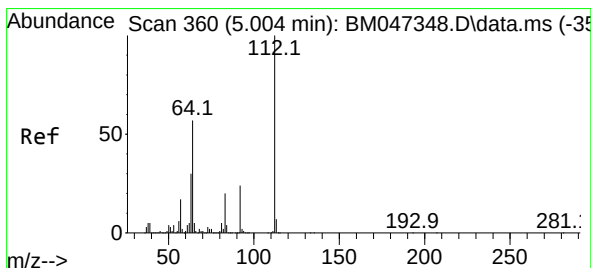
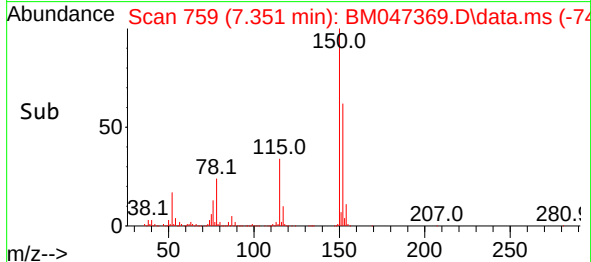
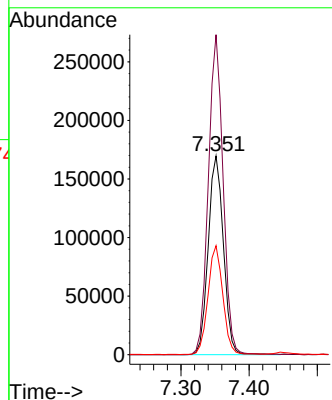
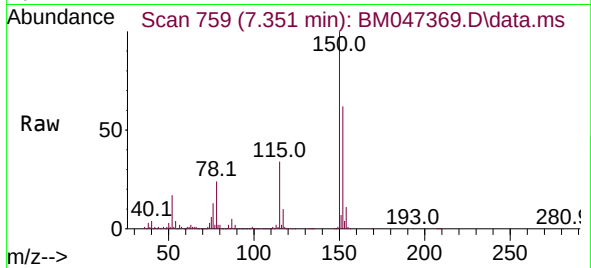




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

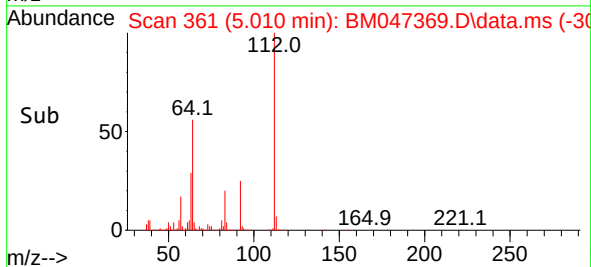
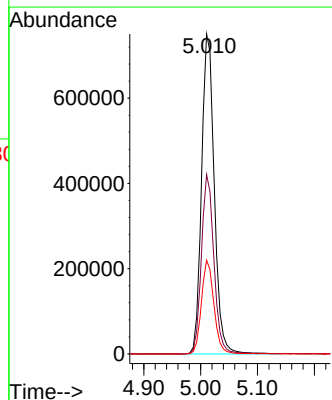
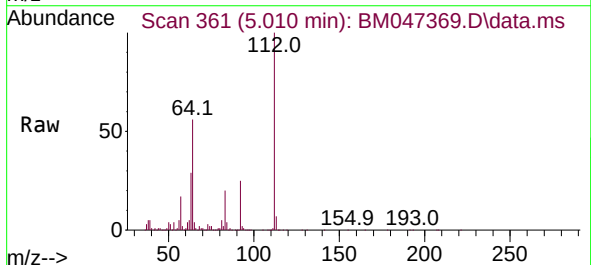
Instrument :
BNA_M
ClientSampleId :
COMP-4

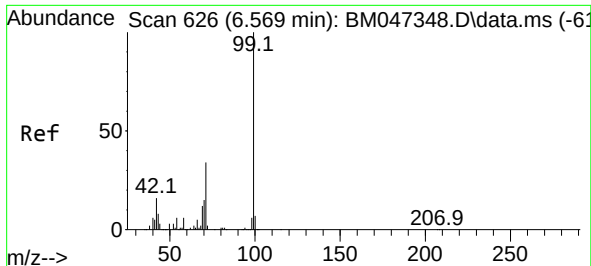
Tgt Ion:152 Resp: 263612
Ion Ratio Lower Upper
152 100
150 161.1 121.3 181.9
115 54.9 42.6 64.0



#5
2-Fluorophenol
Concen: 85.052 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:112 Resp: 1168621
Ion Ratio Lower Upper
112 100
64 56.1 45.7 68.5
63 29.3 23.8 35.8

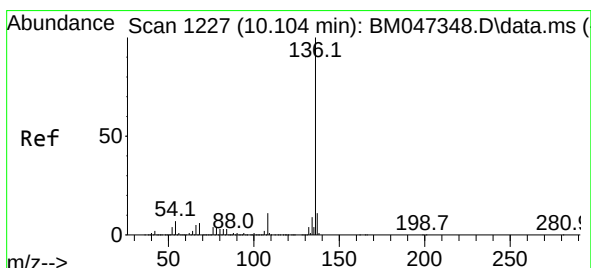
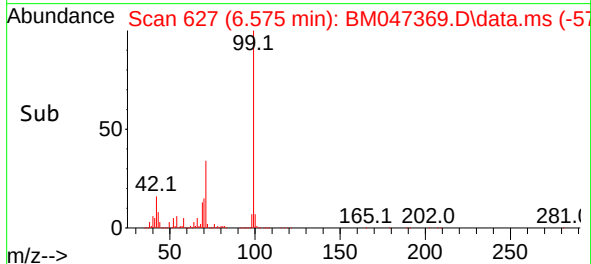
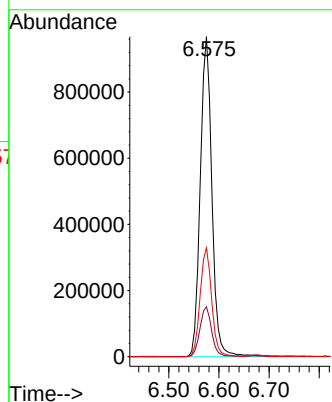
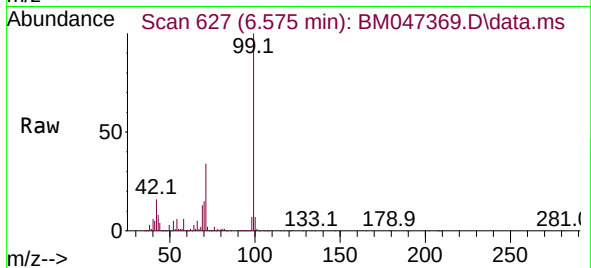




#7
Phenol-d6
Concen: 83.334 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

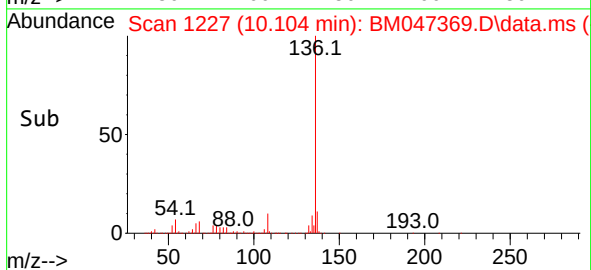
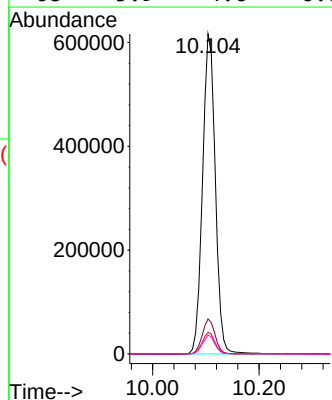
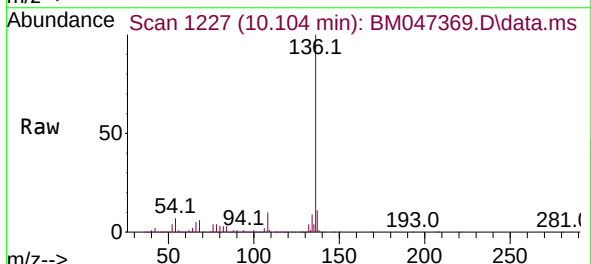
Instrument :
BNA_M
ClientSampleId :
COMP-4

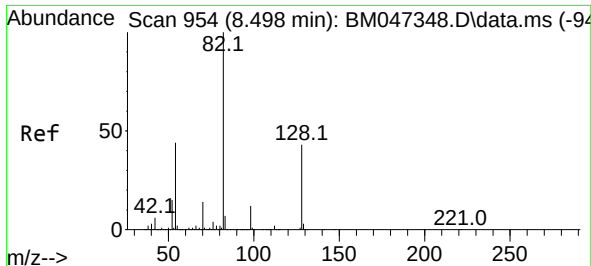
Tgt Ion: 99 Resp: 1559812
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 34.0 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion: 136 Resp: 1024817
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.8 5.2 7.8
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 55.177 ng

RT: 8.498 min Scan# 91

Delta R.T. 0.000 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

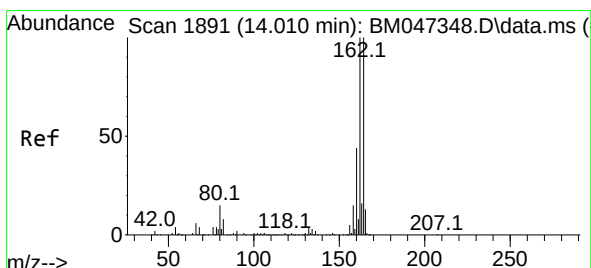
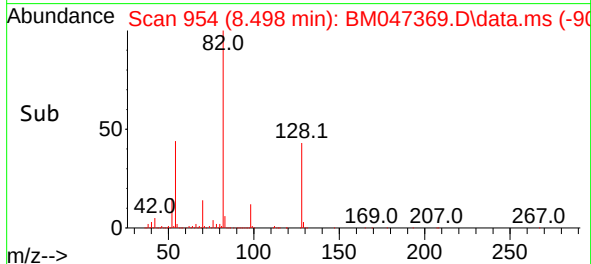
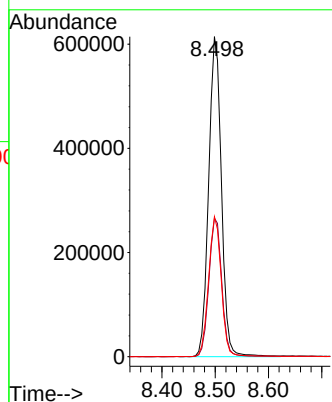
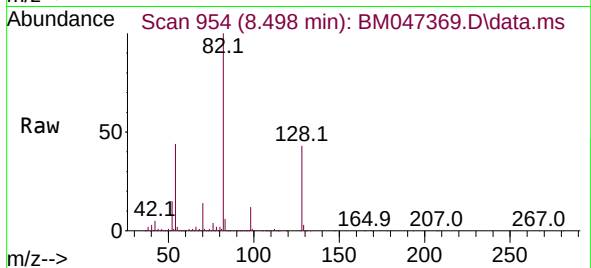
BNA_M

ClientSampleId :

COMP-4

Tgt Ion: 82 Resp: 1019121

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	51.8
54	43.8	35.5	53.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.016 min Scan# 1892

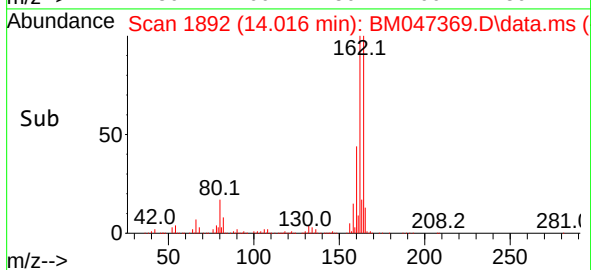
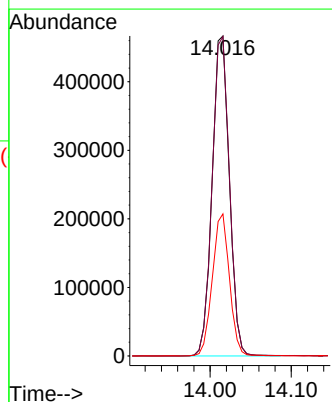
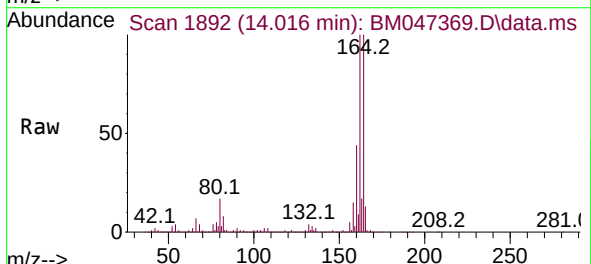
Delta R.T. 0.006 min

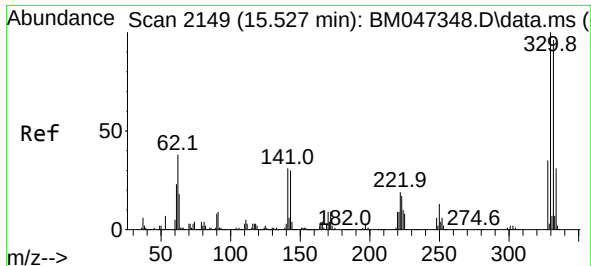
Lab File: BM047369.D

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Tgt Ion:164 Resp: 688142

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.7	119.5
160	44.4	34.9	52.3

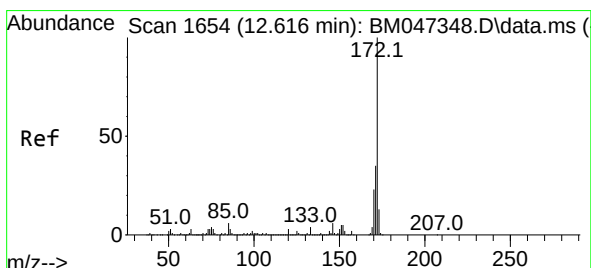
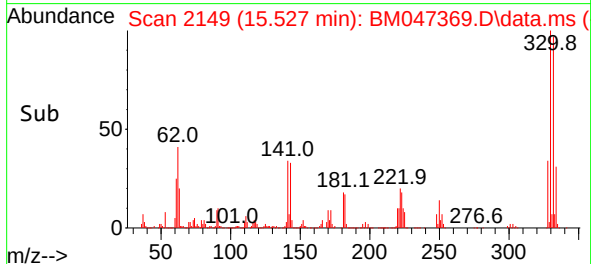
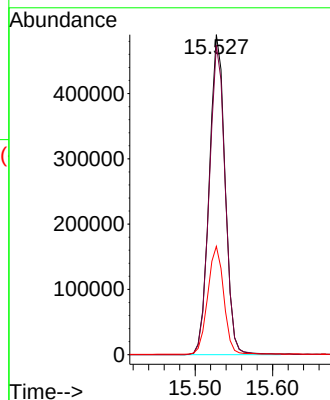
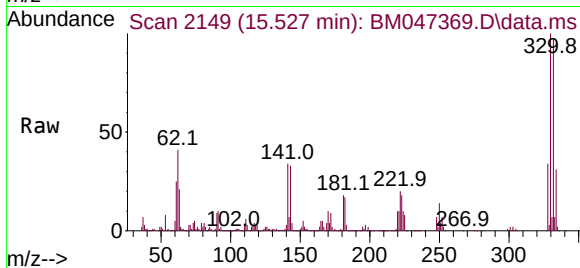




#42
2,4,6-Tribromophenol
Concen: 83.724 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

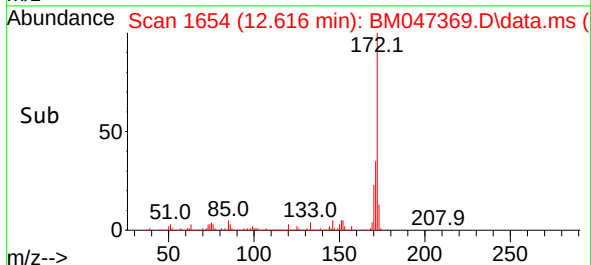
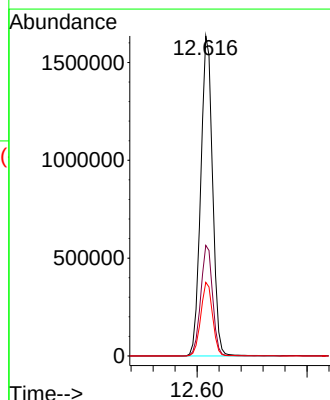
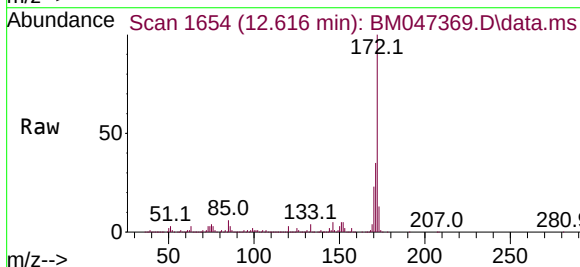
Instrument :
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ClientSampleId :
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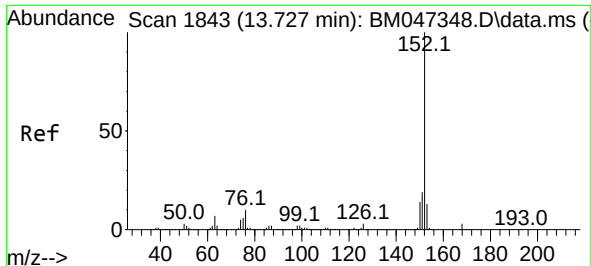
Tgt Ion:330 Resp: 695108
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 34.0 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 54.717 ng
RT: 12.616 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:172 Resp: 2450566
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.5 27.7

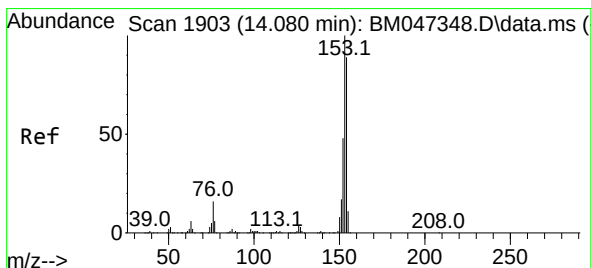
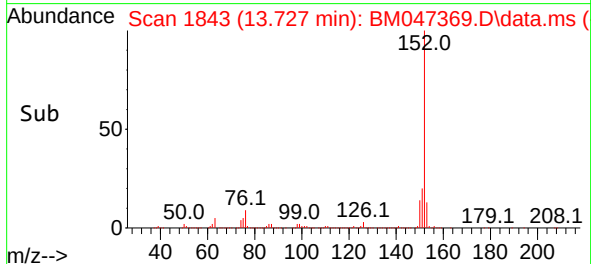
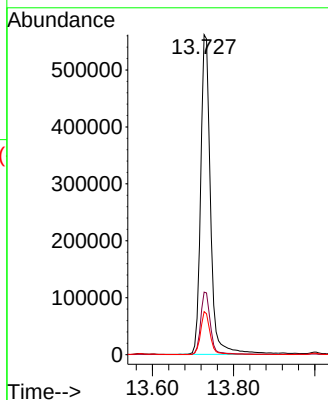
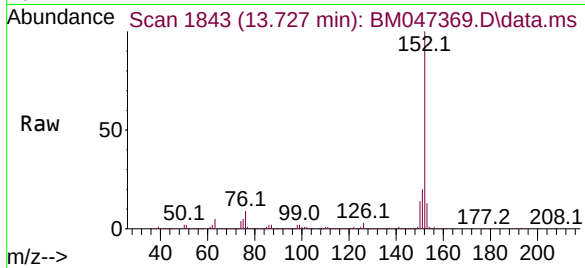




#49
Acenaphthylene
Concen: 17.310 ng
RT: 13.727 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

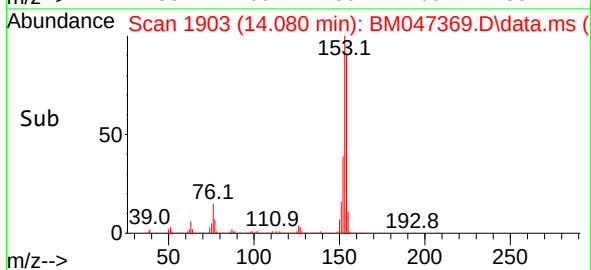
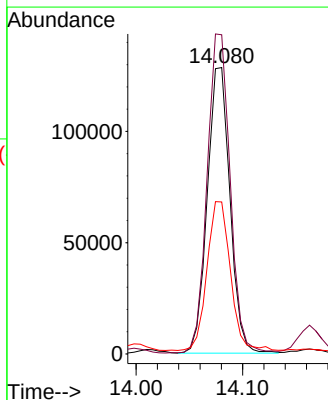
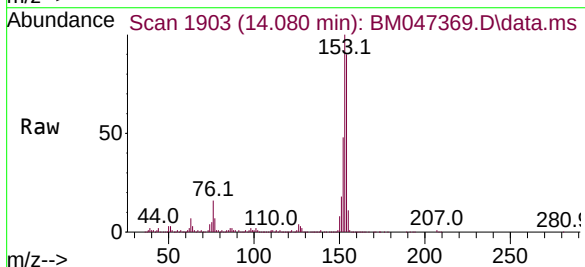
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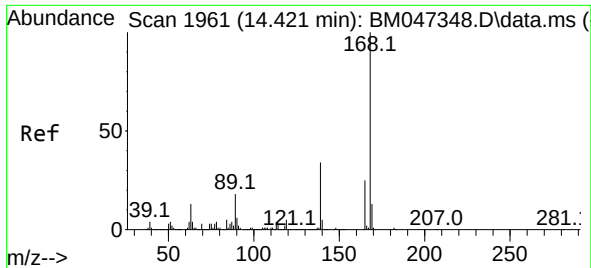
Tgt Ion:152 Resp: 947337
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.0
153 13.5 10.6 15.8



#52
Acenaphthene
Concen: 5.472 ng
RT: 14.080 min Scan# 1903
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:154 Resp: 190110
Ion Ratio Lower Upper
154 100
153 111.5 89.5 134.3
152 53.1 43.0 64.4

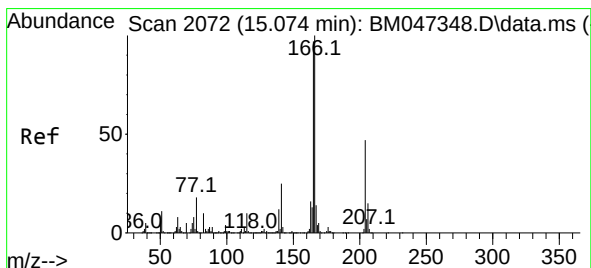
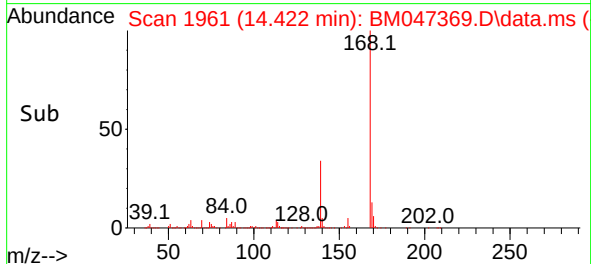
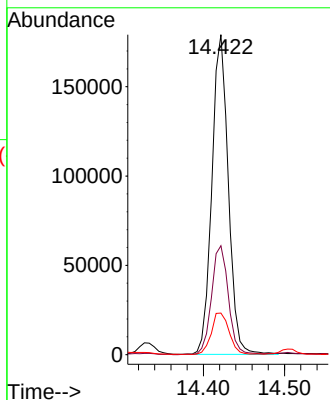
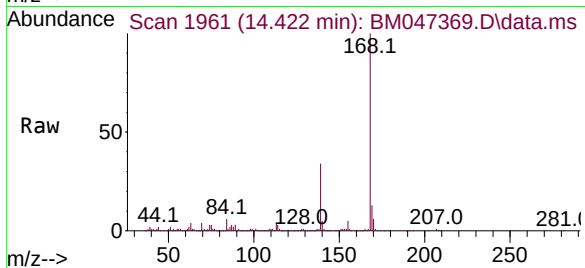




#55
Dibenzenofuran
Concen: 4.501 ng
RT: 14.422 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

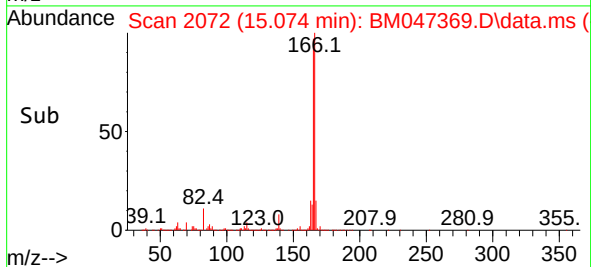
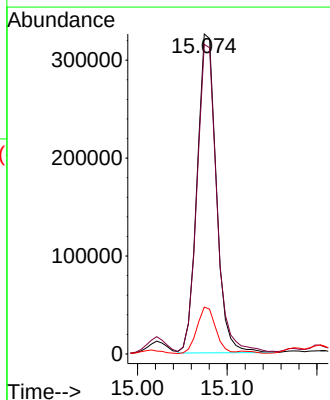
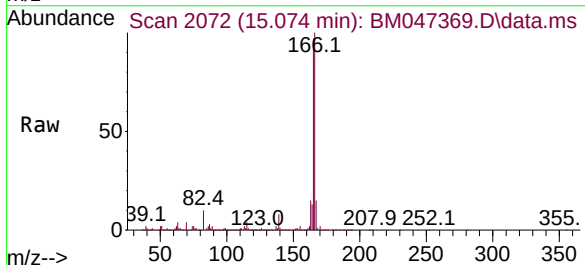
Instrument :
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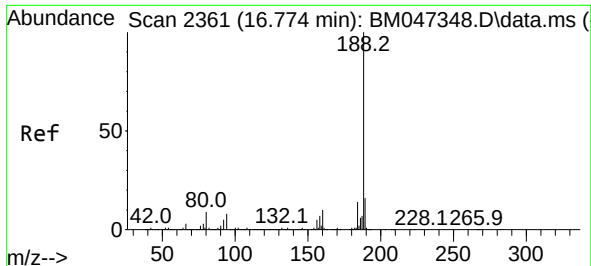
Tgt Ion:168 Resp: 251854
Ion Ratio Lower Upper
168 100
139 34.1 27.5 41.3
169 13.0 10.5 15.7



#58
Fluorene
Concen: 10.690 ng
RT: 15.074 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:166 Resp: 484114
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.6
167 14.7 11.1 16.7

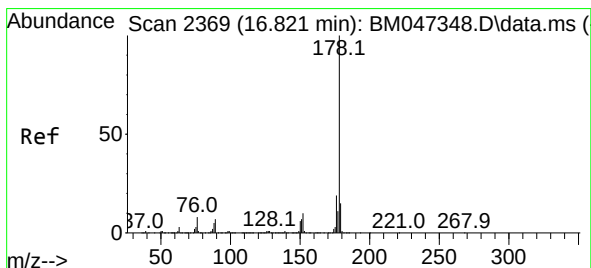
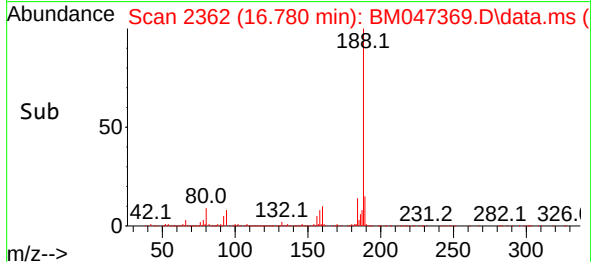
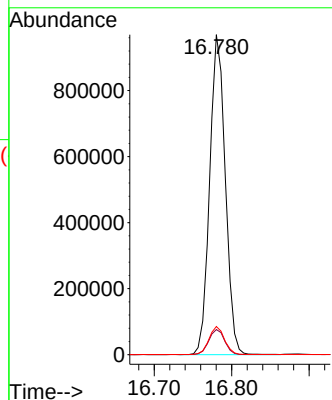
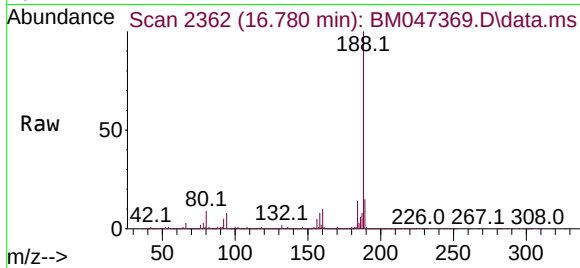




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

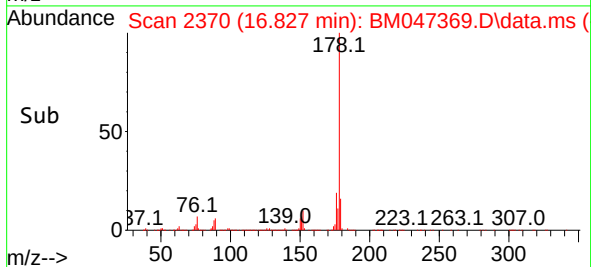
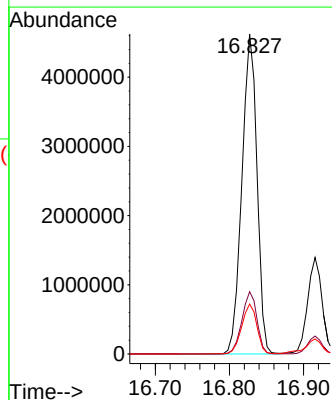
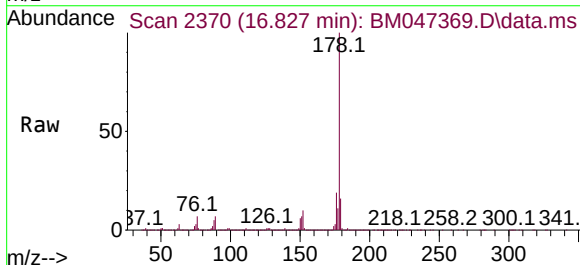
Instrument :
BNA_M
ClientSampleId :
COMP-4

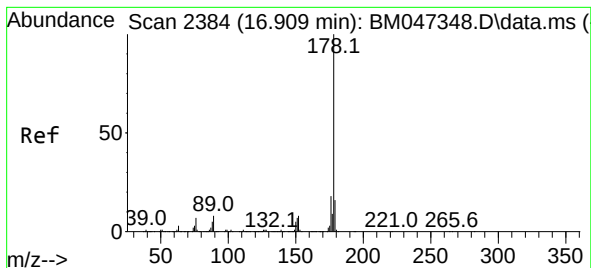
Tgt Ion:188 Resp: 1356825
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.8 7.4 11.2



#71
Phenanthrene
Concen: 98.979 ng
RT: 16.827 min Scan# 2370
Delta R.T. 0.006 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:178 Resp: 6522087
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.6 12.2 18.4





#72

Anthracene

Concen: 29.074 ng

RT: 16.916 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

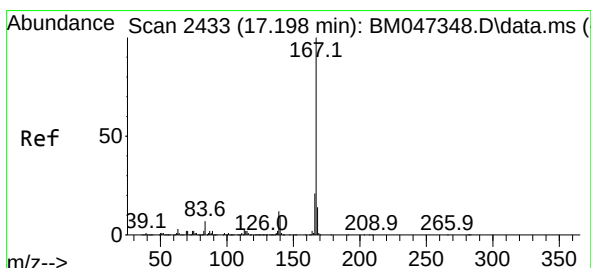
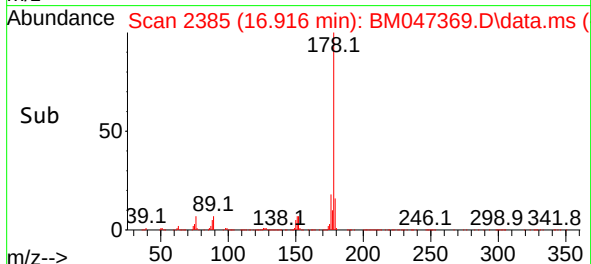
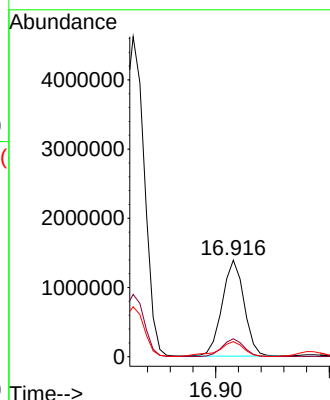
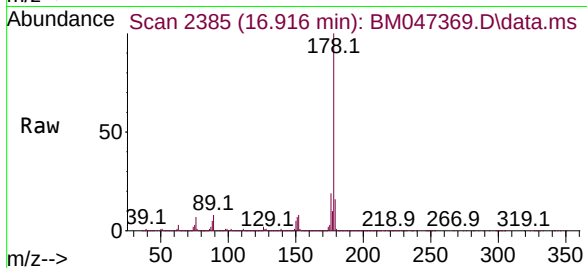
Tgt Ion:178 Resp: 1867557

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.7 12.6 18.8



#73

Carbazole

Concen: 10.115 ng

RT: 17.198 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

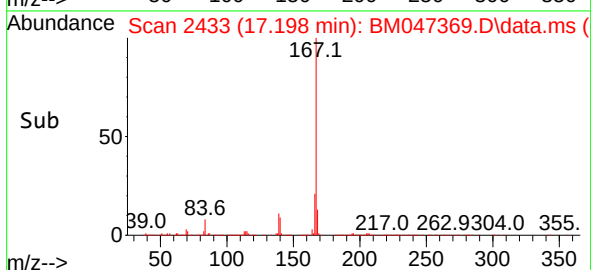
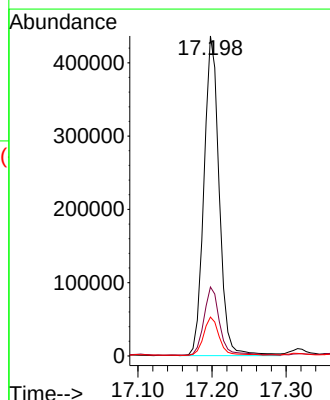
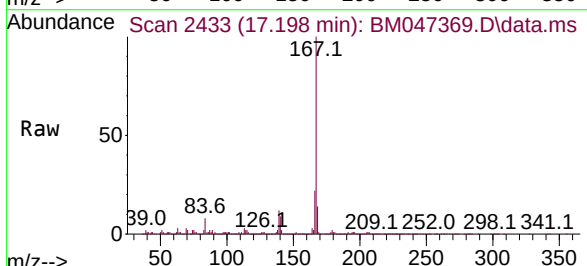
Tgt Ion:167 Resp: 623513

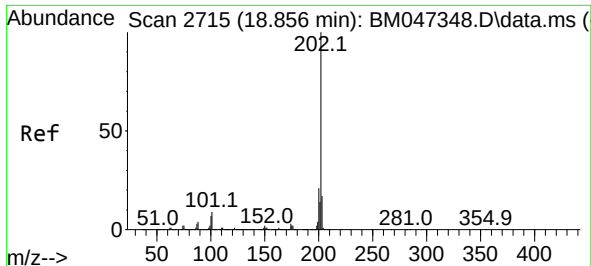
Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 12.1 9.5 14.3

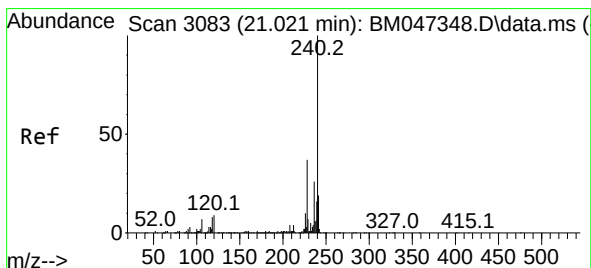
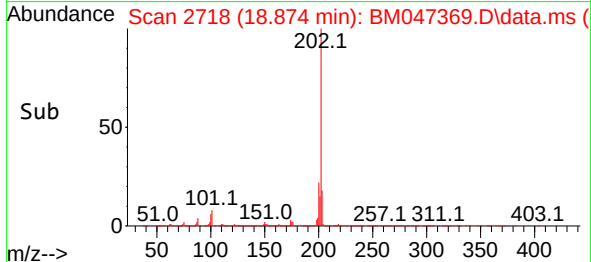
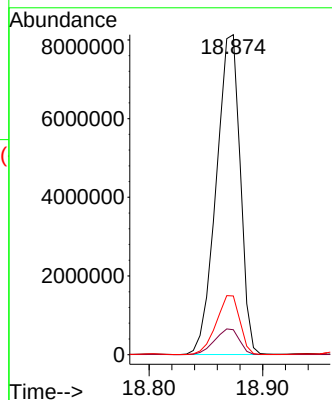
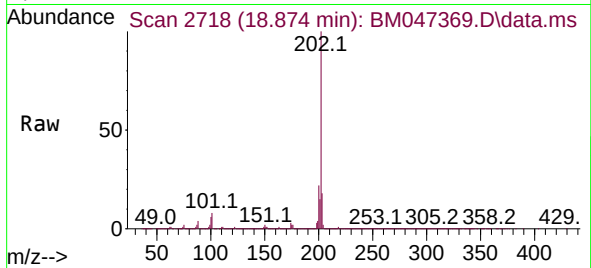




#75
Fluoranthene
Concen: 154.012 ng
RT: 18.874 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

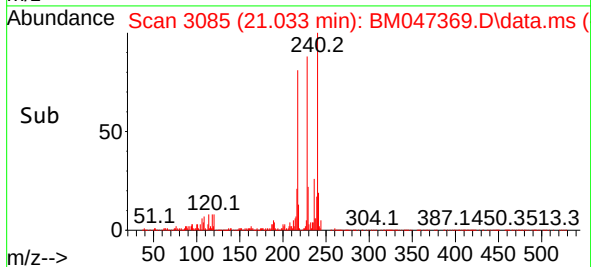
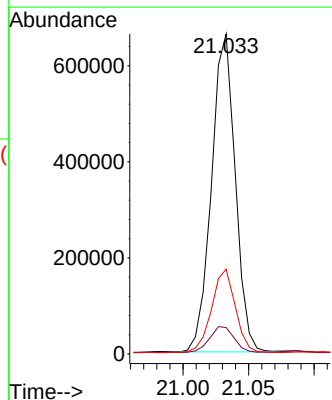
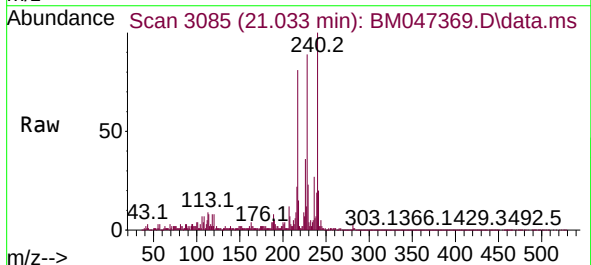
Instrument :
BNA_M
ClientSampleId :
COMP-4

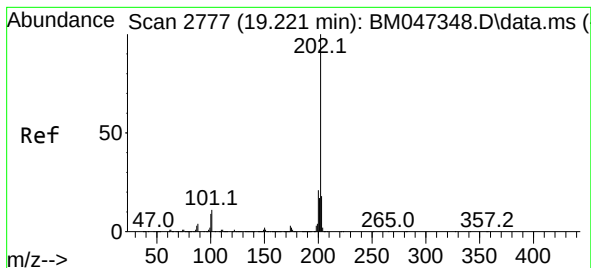
Tgt Ion:202 Resp:11916096
Ion Ratio Lower Upper
202 100
101 7.8 0.0 29.0
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. 0.012 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:240 Resp: 834761
Ion Ratio Lower Upper
240 100
120 8.3 7.4 11.0
236 26.5 20.8 31.2





#78

Pyrene

Concen: 164.242 ng

RT: 19.239 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

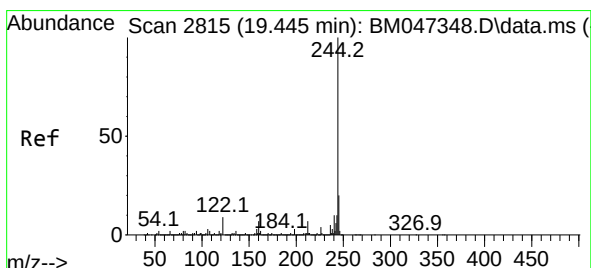
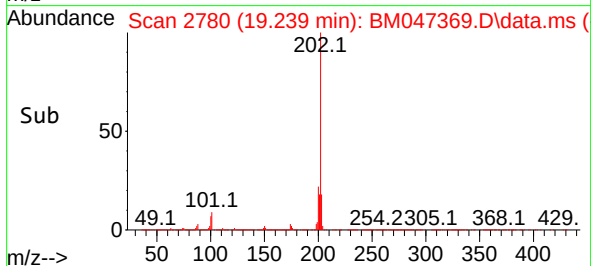
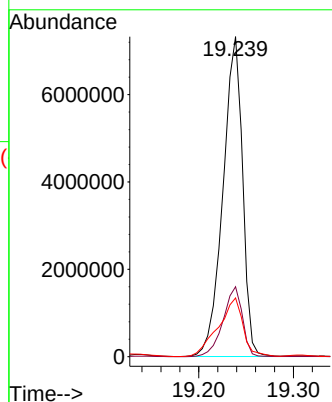
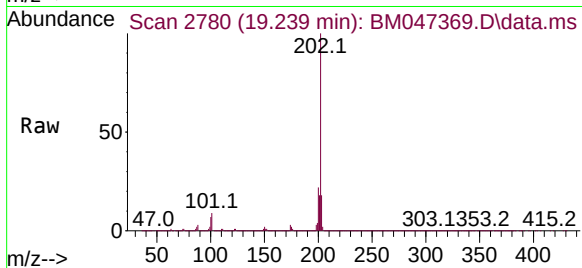
Tgt Ion:202 Resp:10515358

Ion Ratio Lower Upper

202 100

200 21.9 16.7 25.1

203 18.4 14.2 21.4



#79

Terphenyl-d14

Concen: 59.484 ng

RT: 19.451 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

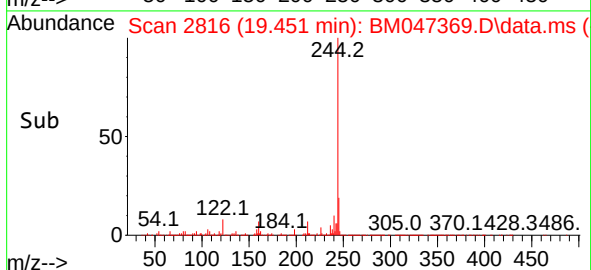
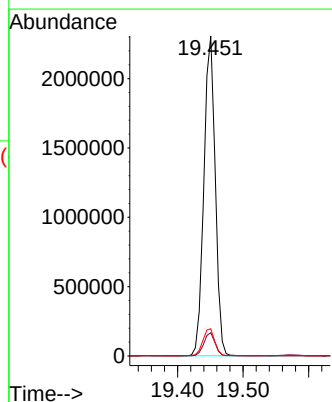
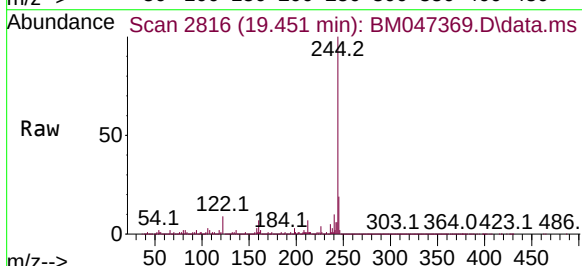
Tgt Ion:244 Resp: 2789654

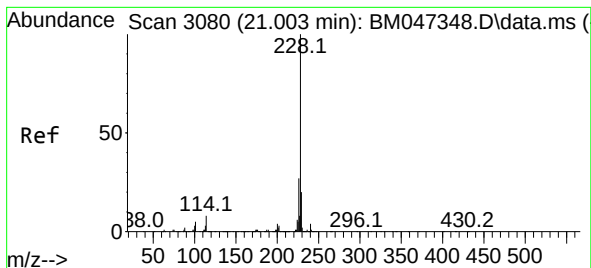
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.5 7.0 10.4





#81

Benzo(a)anthracene

Concen: 104.966 ng

RT: 21.015 min Scan# 3082

Delta R.T. 0.012 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

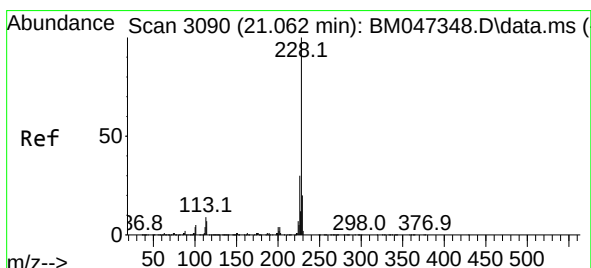
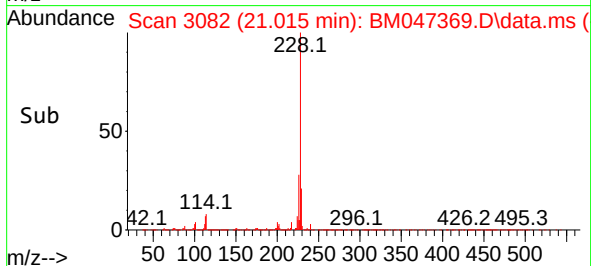
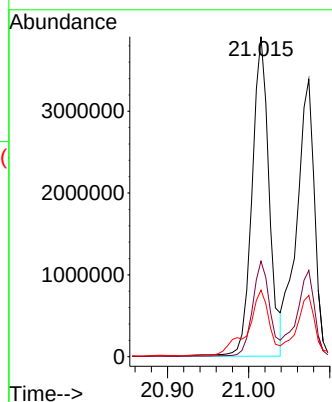
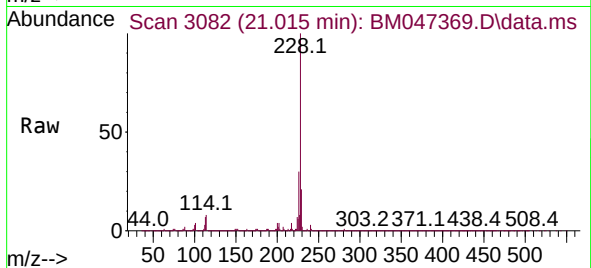
Tgt Ion:228 Resp: 5714083

Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.0

229 20.8 15.8 23.8



#83

Chrysene

Concen: 100.901 ng

RT: 21.074 min Scan# 3092

Delta R.T. 0.012 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

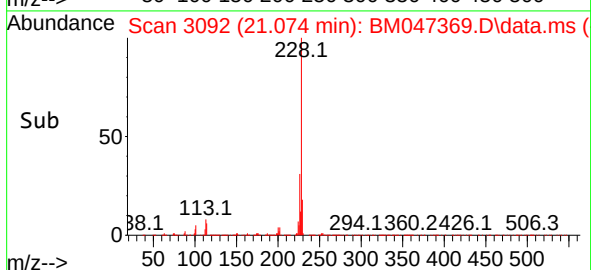
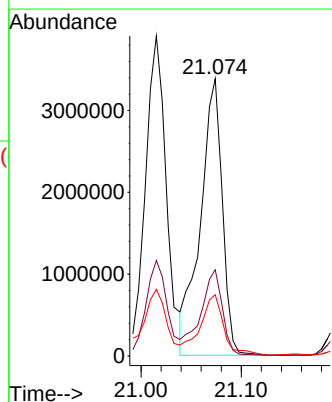
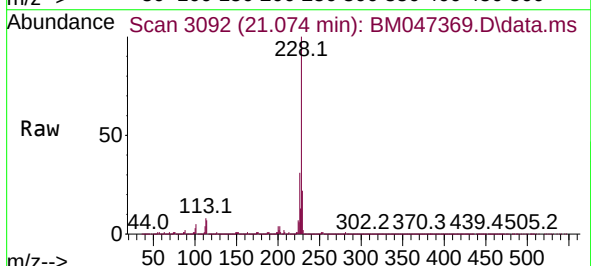
Tgt Ion:228 Resp: 5166898

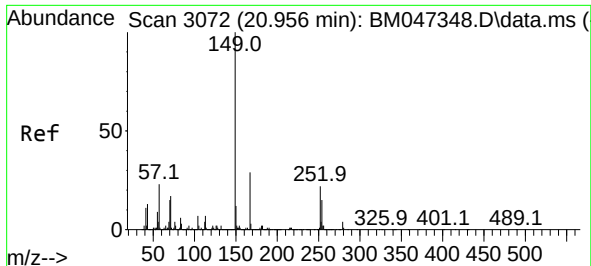
Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

229 22.1 15.9 23.9

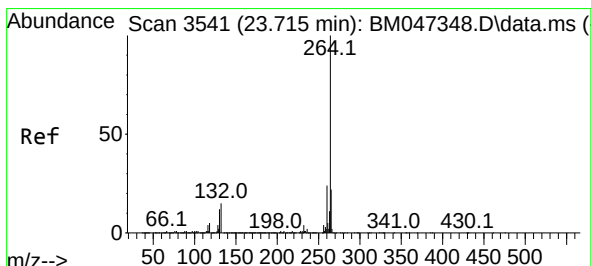
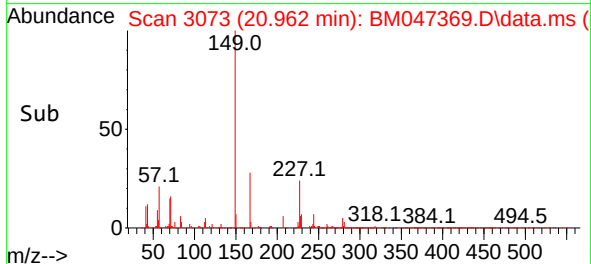
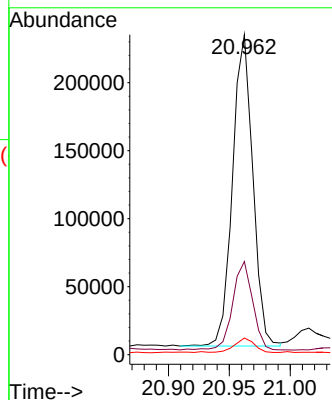
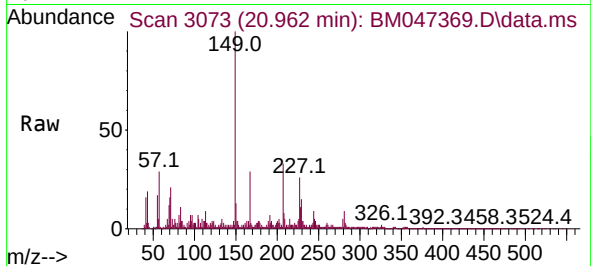




#84
Bis(2-ethylhexyl)phthalate
Concen: 7.496 ng
RT: 20.962 min Scan# 3073
Delta R.T. 0.006 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

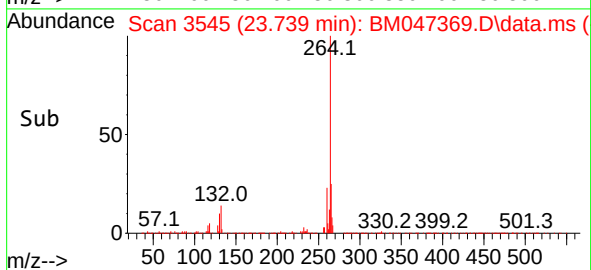
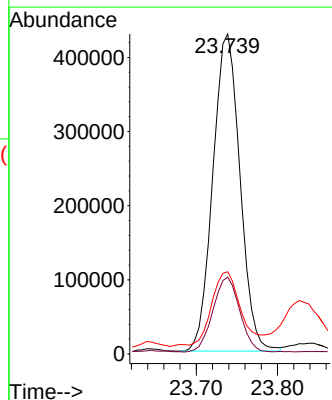
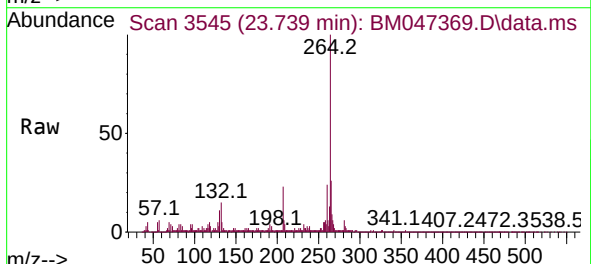
Instrument :
BNA_M
ClientSampleId :
COMP-4

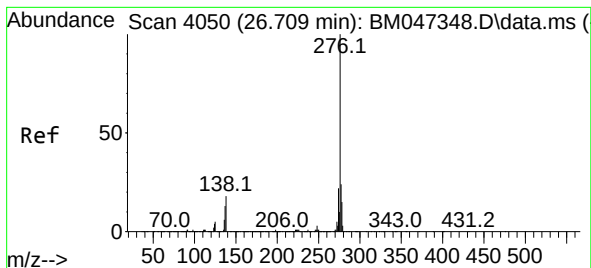
Tgt Ion:149 Resp: 265444
Ion Ratio Lower Upper
149 100
167 29.1 23.1 34.7
279 5.2 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3545
Delta R.T. 0.024 min
Lab File: BM047369.D
Acq: 27 Aug 2024 18:38

Tgt Ion:264 Resp: 993625
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 25.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 69.148 ng

RT: 26.774 min Scan# 40

Delta R.T. 0.065 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

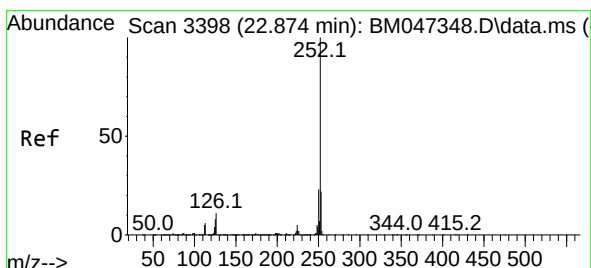
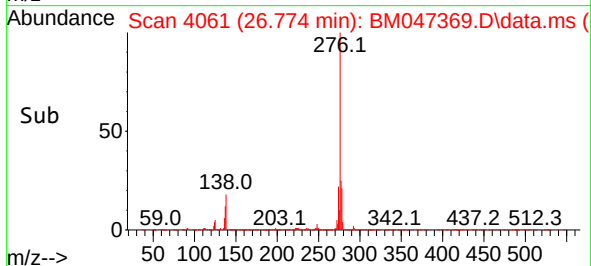
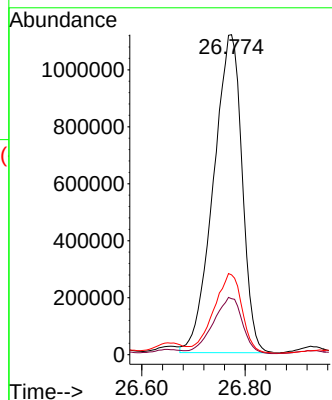
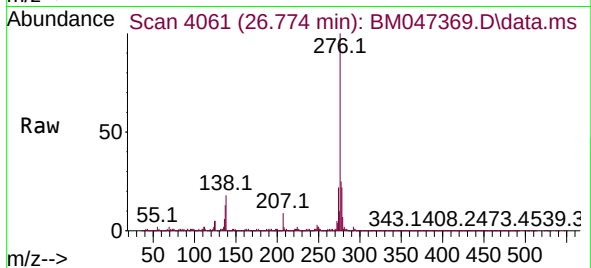
Tgt Ion:276 Resp: 4301087

Ion Ratio Lower Upper

276 100

138 18.0 17.7 26.5

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 131.412 ng

RT: 22.909 min Scan# 3404

Delta R.T. 0.035 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

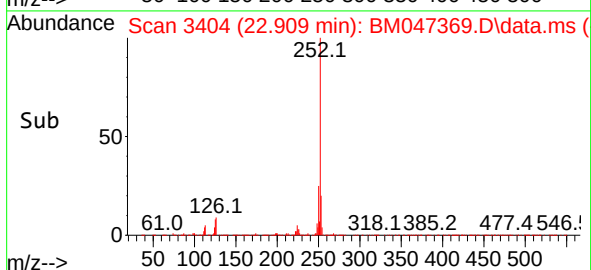
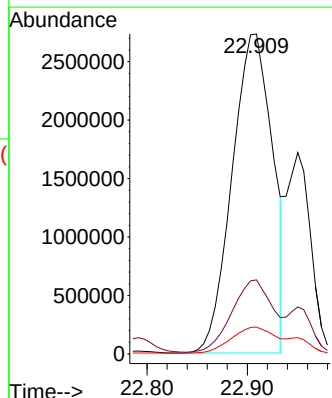
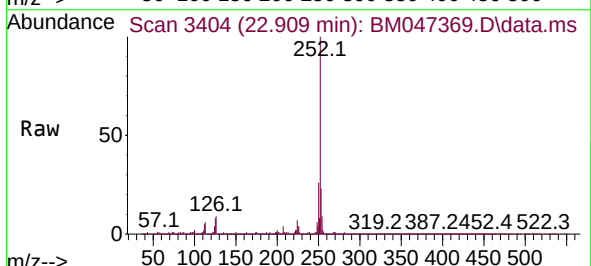
Tgt Ion:252 Resp: 7617968

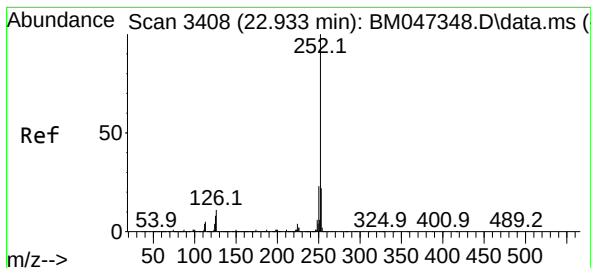
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 8.4 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 52.647 ng m

RT: 22.950 min Scan# 34

Delta R.T. 0.018 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

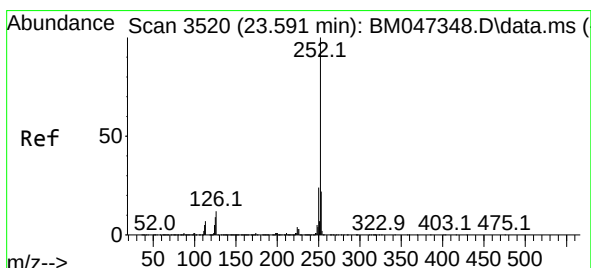
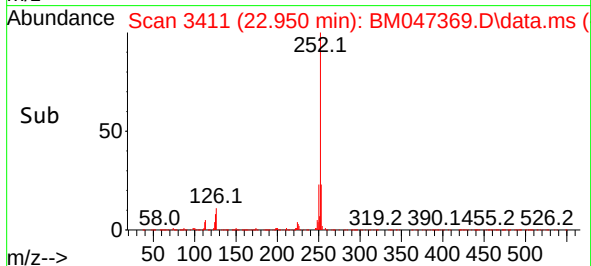
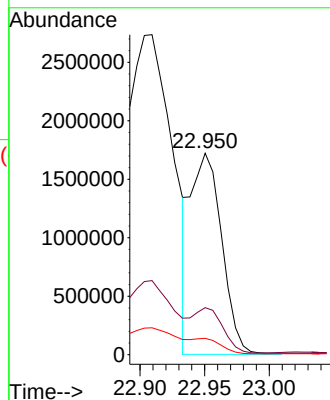
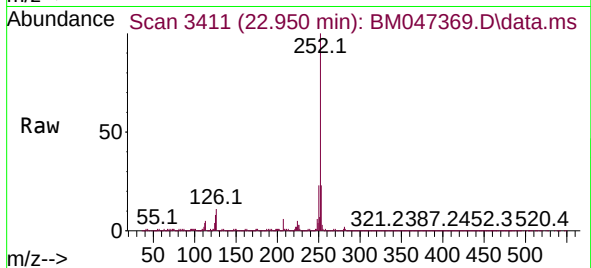
Tgt Ion:252 Resp: 2893153

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 8.1 6.6 9.8



#90

Benzo(a)pyrene

Concen: 109.412 ng

RT: 23.627 min Scan# 3526

Delta R.T. 0.035 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

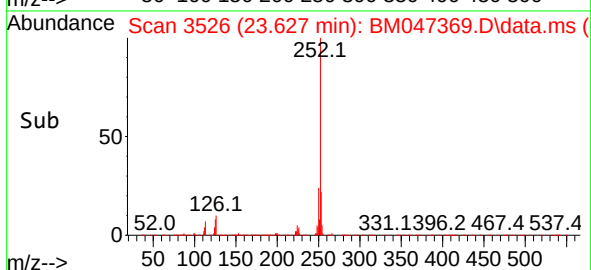
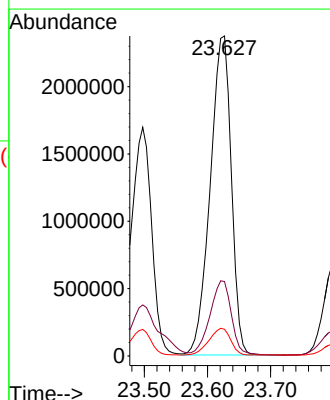
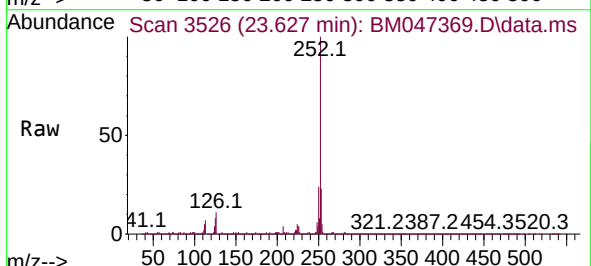
Tgt Ion:252 Resp: 5485018

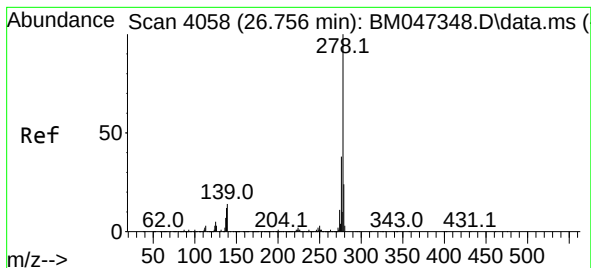
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 8.3 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 21.710 ng

RT: 26.785 min Scan# 4058

Delta R.T. 0.030 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Instrument :

BNA_M

ClientSampleId :

COMP-4

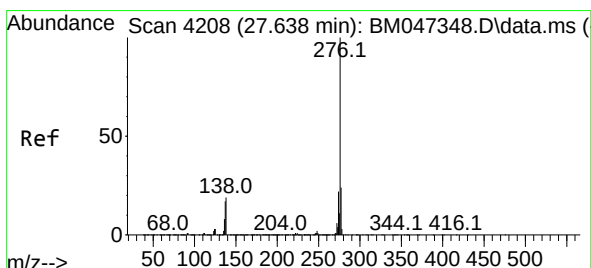
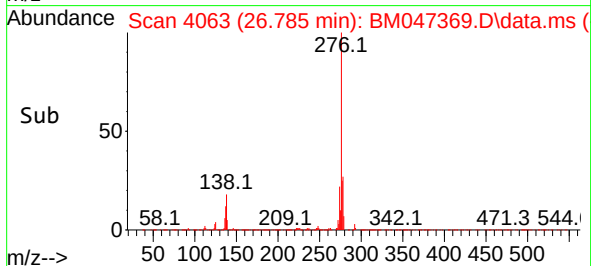
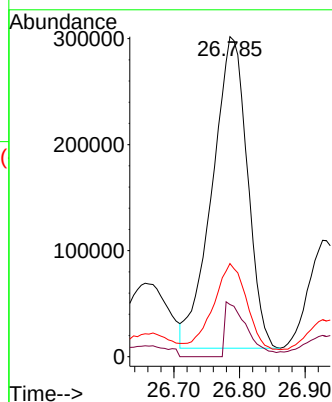
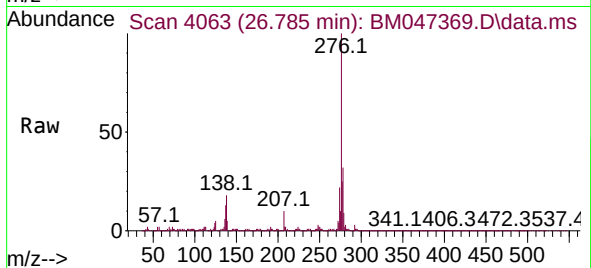
Tgt Ion:278 Resp: 1093955

Ion Ratio Lower Upper

278 100

139 16.3 11.1 16.7

279 29.1 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 81.651 ng

RT: 27.715 min Scan# 4221

Delta R.T. 0.077 min

Lab File: BM047369.D

Acq: 27 Aug 2024 18:38

Tgt Ion:276 Resp: 4277361

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 18.1 15.0 22.6

