

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047340.D
 Acq On : 23 Aug 2024 19:27
 Operator : RC/JU
 Sample : P3703-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-8-21-2024

Quant Time: Aug 24 00:41:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

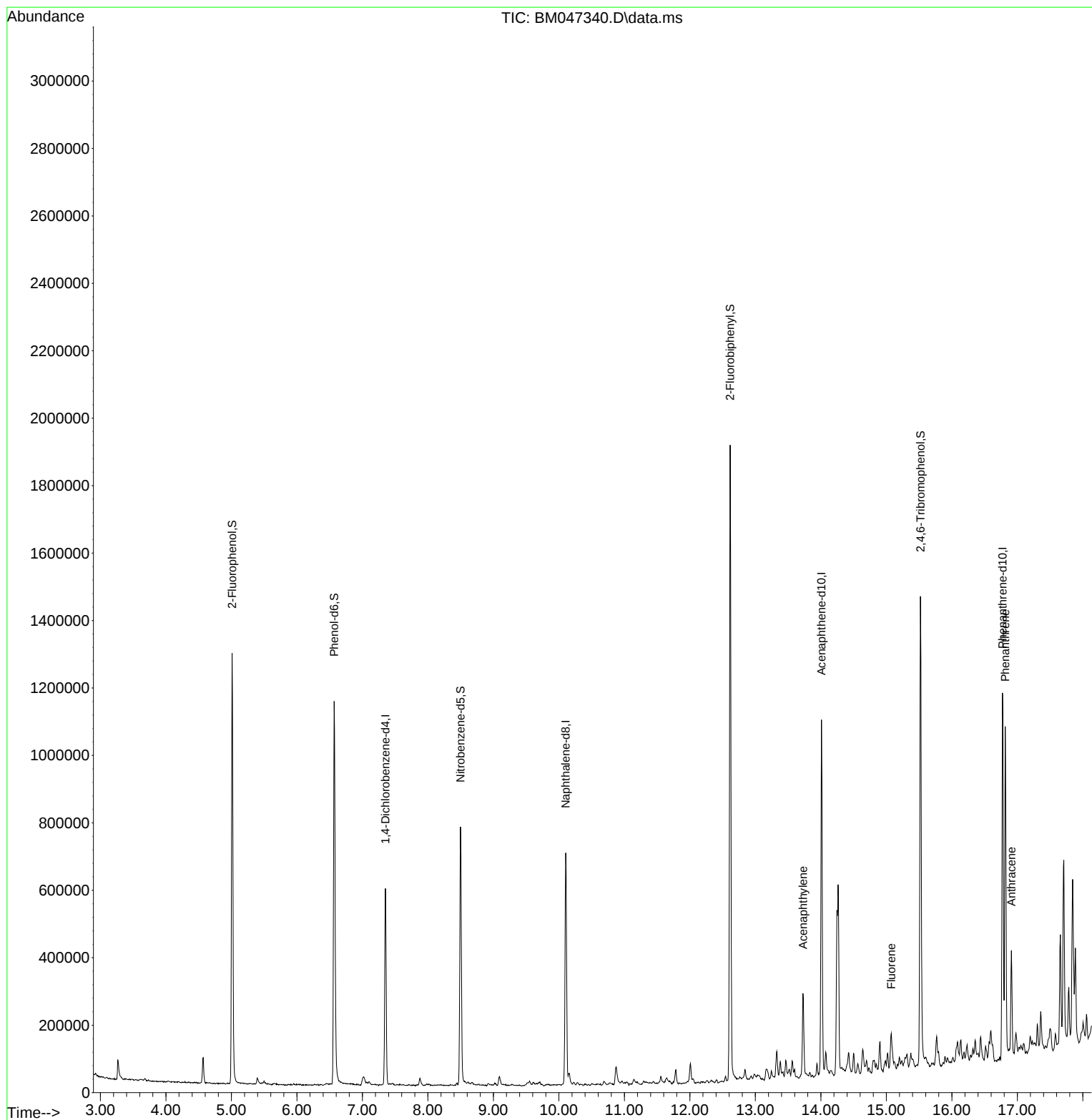
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	158832	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	579423	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	360726	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	672467	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	457243	20.000	ng	-0.02
86) Perylene-d12	23.709	264	514316	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	571429	64.285	ng	-0.01
7) Phenol-d6	6.569	99	720982	58.864	ng	-0.02
23) Nitrobenzene-d5	8.498	82	459906	39.967	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	275857	65.952	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1035395	44.275	ng	-0.03
79) Terphenyl-d14	19.445	244	1162401	54.473	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.522	77	598	Below Cal	#	59
49) Acenaphthylene	13.727	152	179223	6.058	ng	98
58) Fluorene	15.074	166	56060	2.292	ng	# 97
71) Phenanthrene	16.815	178	596898	17.687	ng	100
72) Anthracene	16.909	178	194502	5.923	ng	99
75) Fluoranthene	18.856	202	885010	21.560	ng	99
78) Pyrene	19.221	202	971933	29.770	ng	99
81) Benzo(a)anthracene	20.997	228	413309	13.616	ng	94
83) Chrysene	21.056	228	397433	13.800	ng	97
87) Indeno(1,2,3-cd)pyrene	26.697	276	188902	5.682	ng	96
88) Benzo(b)fluoranthene	22.868	252	385314	12.615	ng	96
89) Benzo(k)fluoranthene	22.868	252	385314	13.356	ng	96
90) Benzo(a)pyrene	23.580	252	322579	12.192	ng	# 95
91) Dibenzo(a,h)anthracene	26.732	278	55490	2.063	ng	# 71
92) Benzo(g,h,i)perylene	27.632	276	206424	7.390	ng	98

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

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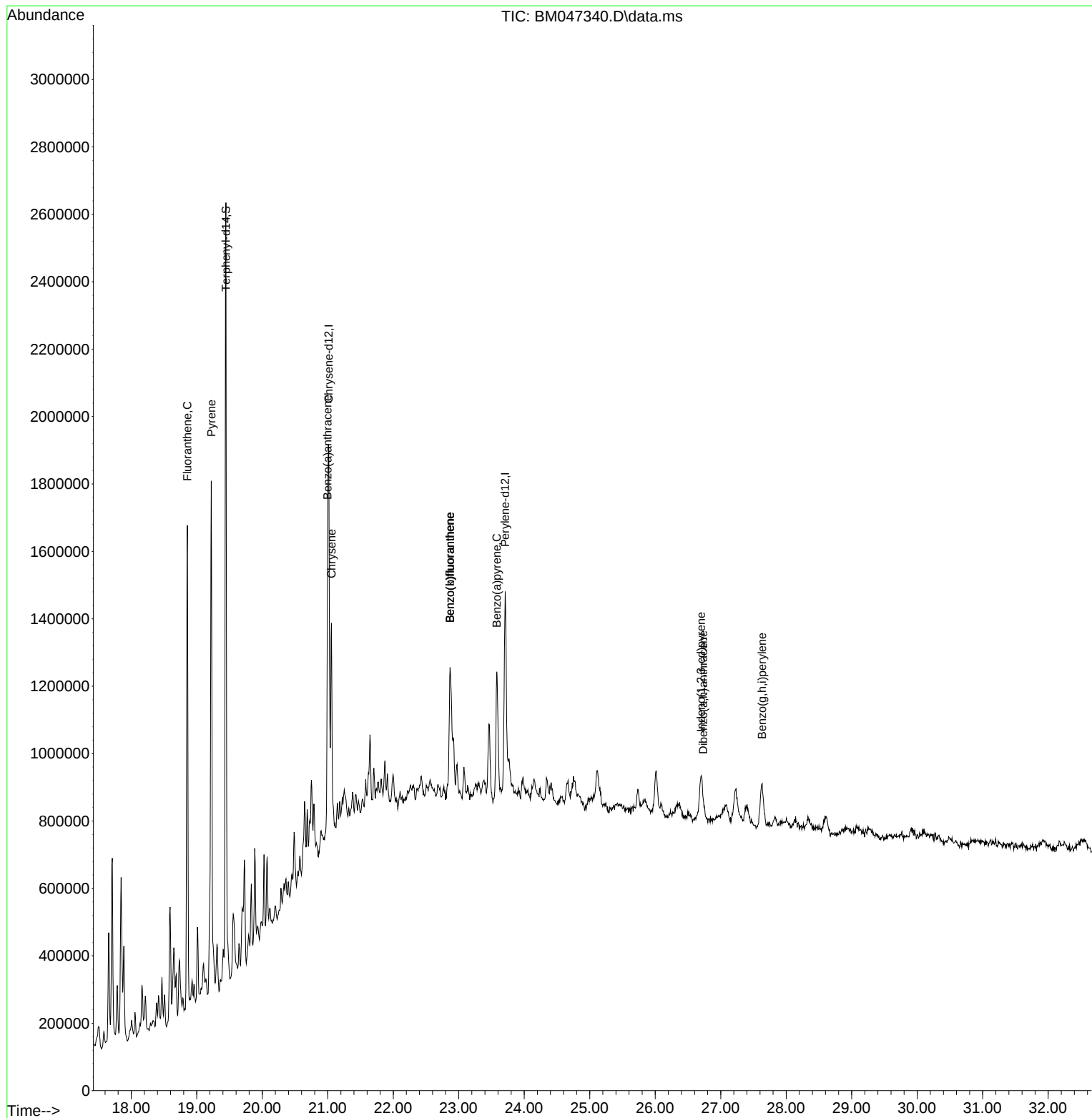
Quant Time: Aug 24 00:41:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

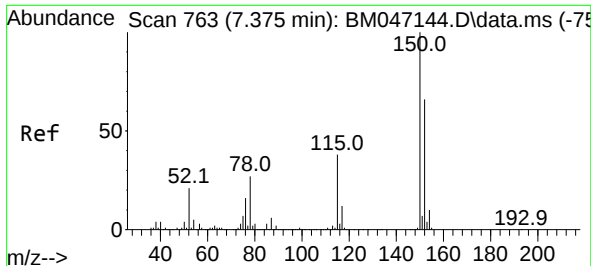


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047340.D
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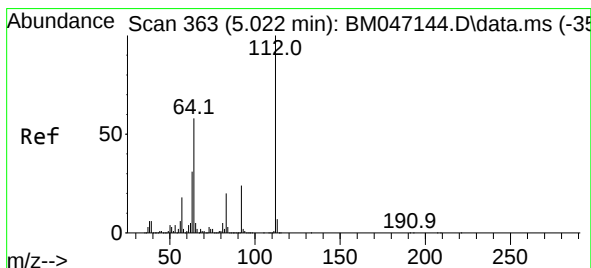
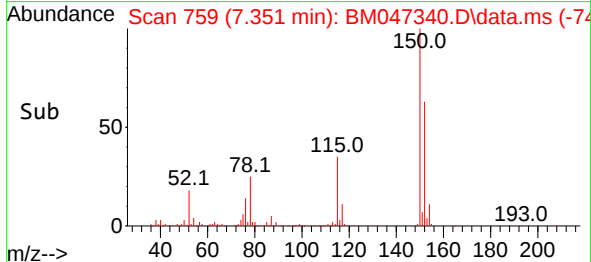
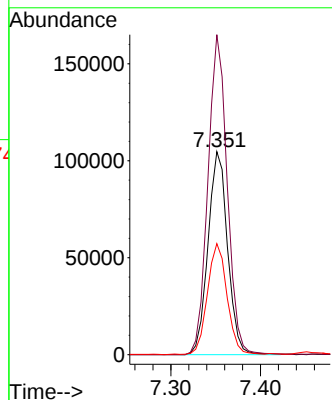
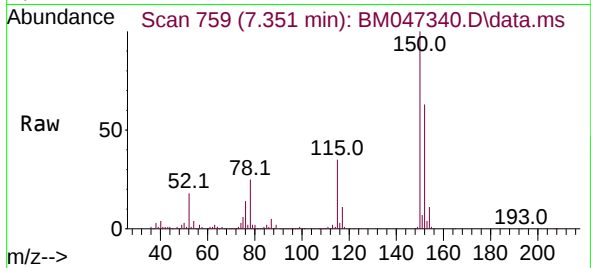




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

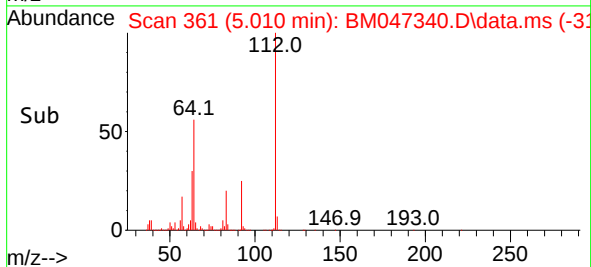
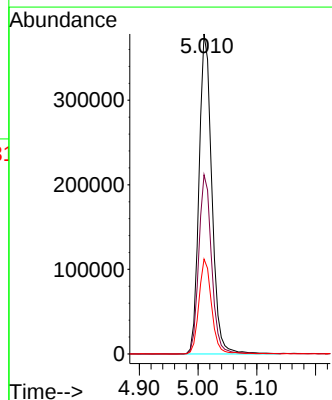
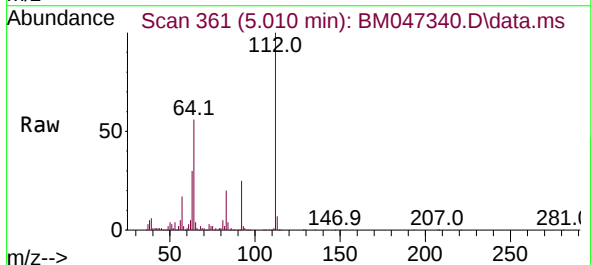
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

Tgt Ion:152 Resp: 158832
Ion Ratio Lower Upper
152 100
150 157.6 120.5 180.7
115 54.7 45.5 68.3



#5
2-Fluorophenol
Concen: 64.285 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion:112 Resp: 571429
Ion Ratio Lower Upper
112 100
64 56.0 46.7 70.1
63 29.7 24.8 37.2

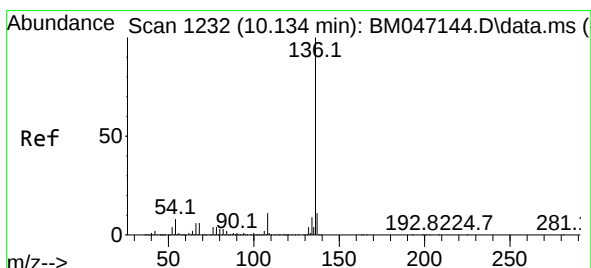
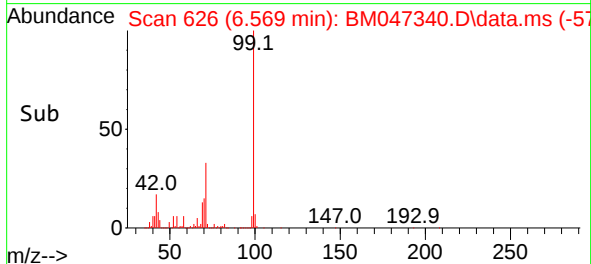
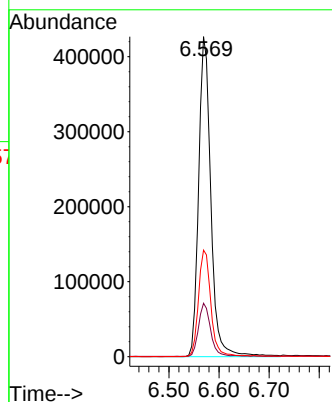
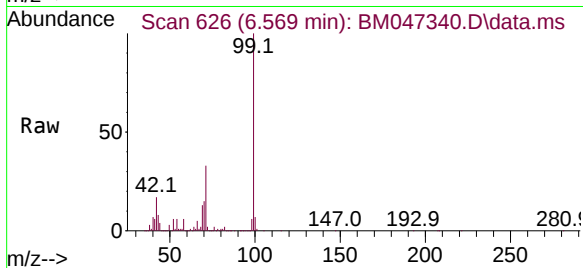




#7
Phenol-d6
Concen: 58.864 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

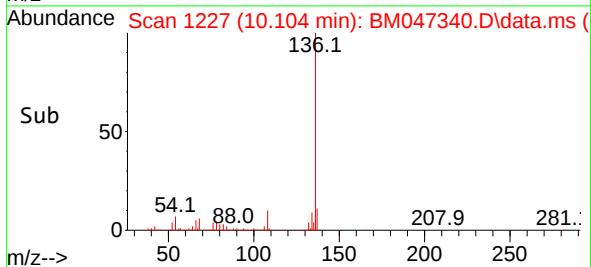
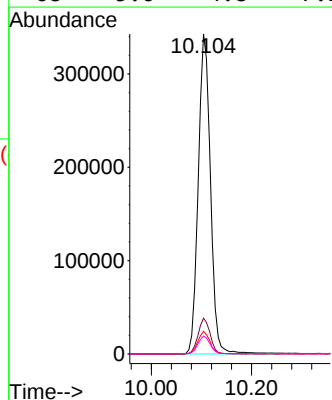
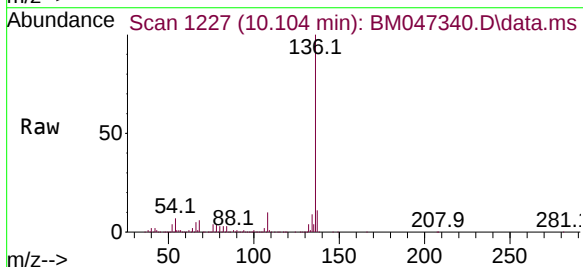
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

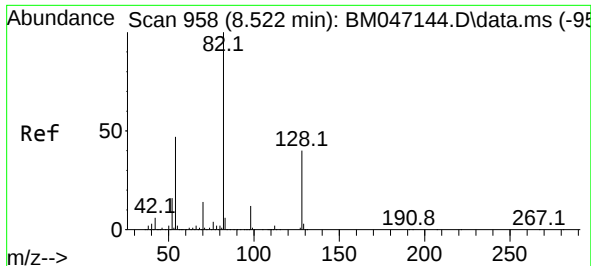
Tgt Ion: 99 Resp: 720982
Ion Ratio Lower Upper
99 100
42 16.7 14.1 21.1
71 33.3 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion: 136 Resp: 579423
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 6.0 9.0
68 5.6 4.8 7.2

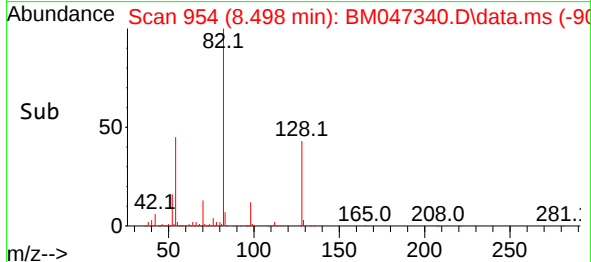
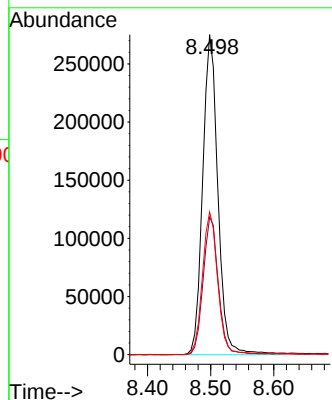
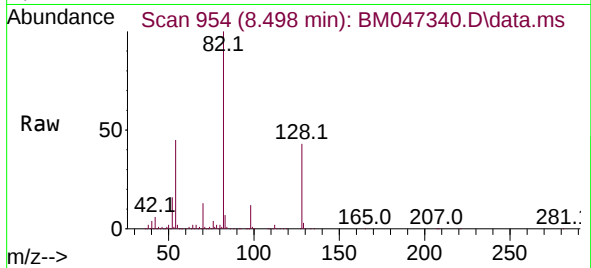




#23
 Nitrobenzene-d5
 Concen: 39.967 ng
 RT: 8.498 min Scan# 91
 Delta R.T. -0.024 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

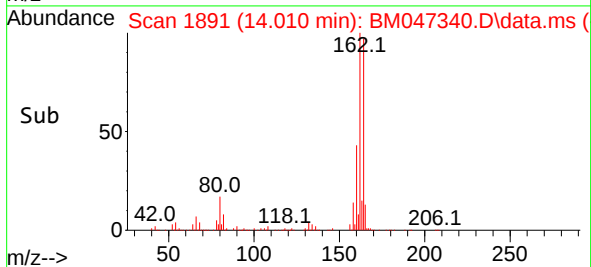
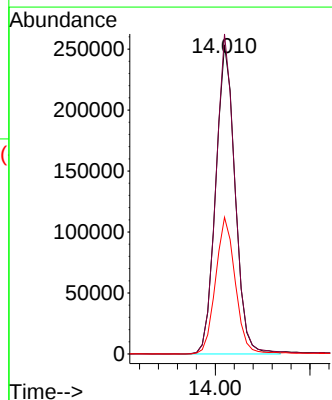
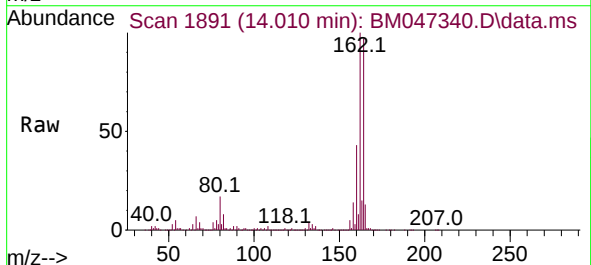
Instrument :
 BNA_M
 ClientSampleId :
 OR-03-8-21-2024

Tgt Ion: 82 Resp: 459906
 Ion Ratio Lower Upper
 82 100
 128 43.0 32.3 48.5
 54 44.6 37.4 56.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.010 min Scan# 1891
 Delta R.T. -0.024 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

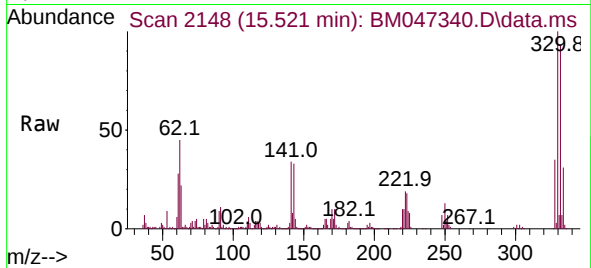
Tgt Ion: 164 Resp: 360726
 Ion Ratio Lower Upper
 164 100
 162 103.5 80.7 121.1
 160 44.2 36.0 54.0



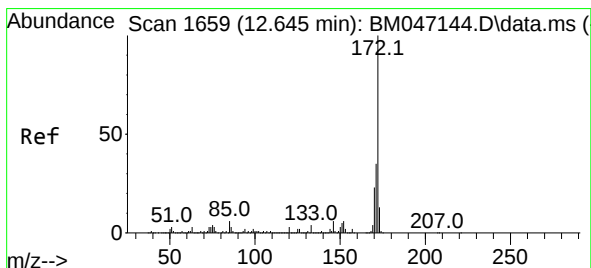
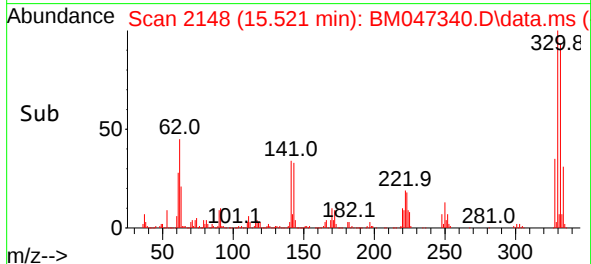
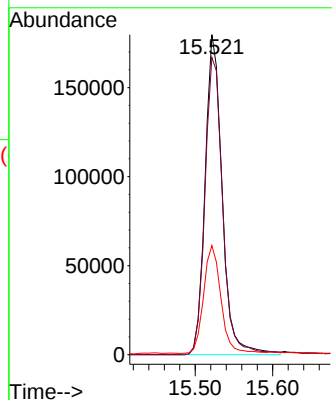


#42
2,4,6-Tribromophenol
Concen: 65.952 ng
RT: 15.521 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

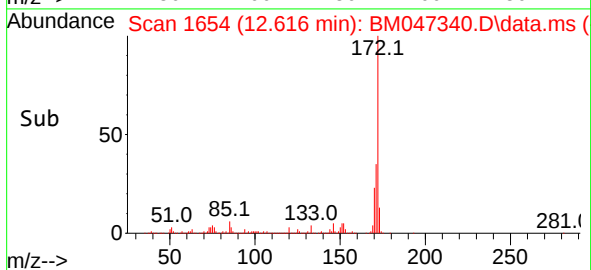
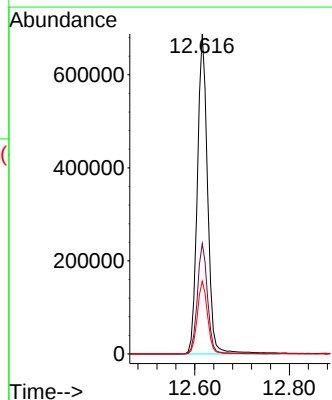
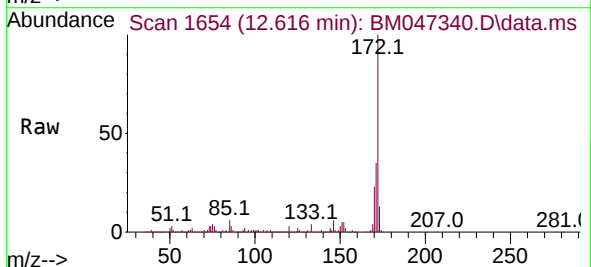


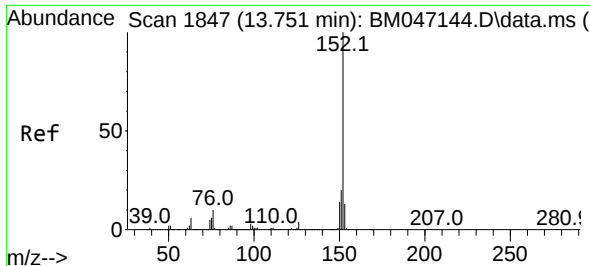
Tgt Ion:330 Resp: 275857
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 33.9 31.6 47.4



#45
2-Fluorobiphenyl
Concen: 44.275 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion:172 Resp: 1035395
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 22.7 18.7 28.1

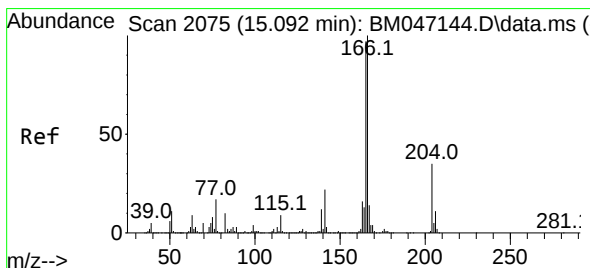
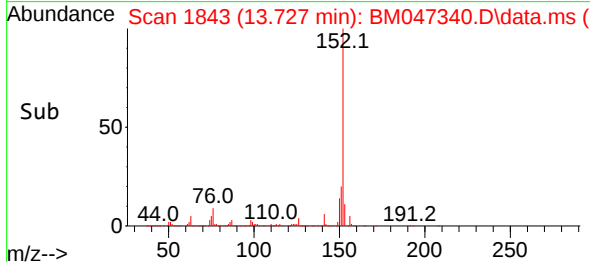
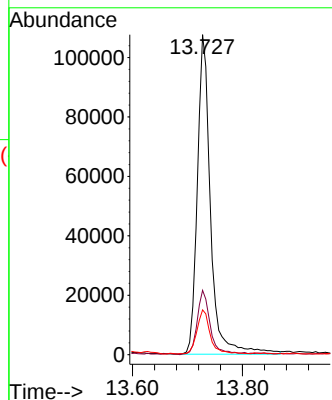
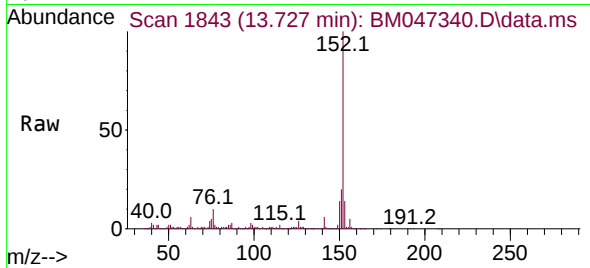




#49
Acenaphthylene
Concen: 6.058 ng
RT: 13.727 min Scan# 1843
Delta R.T. -0.024 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

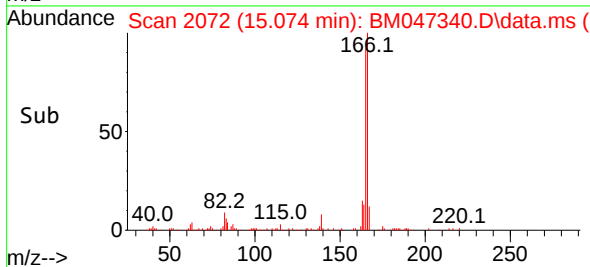
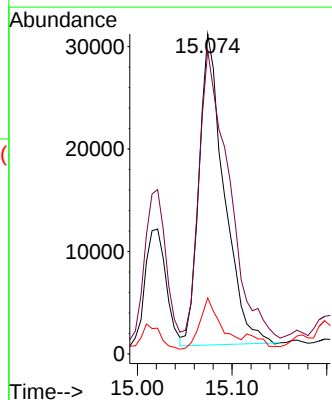
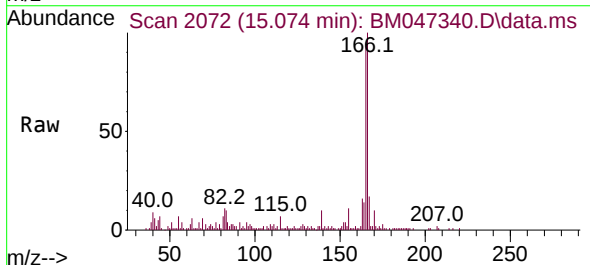
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BNA_M
ClientSampleId :
OR-03-8-21-2024

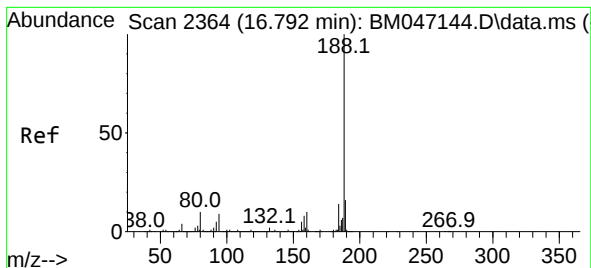
Tgt Ion:152 Resp: 179223
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.0 10.4 15.6



#58
Fluorene
Concen: 2.292 ng
RT: 15.074 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion:166 Resp: 56060
Ion Ratio Lower Upper
166 100
165 94.8 77.4 116.0
167 17.5 11.0 16.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

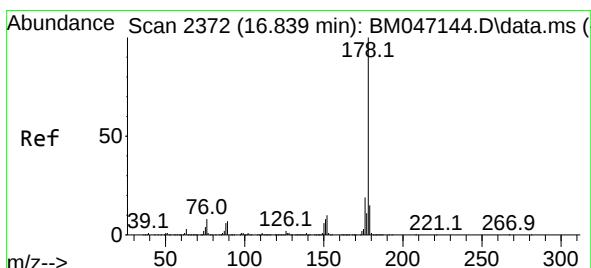
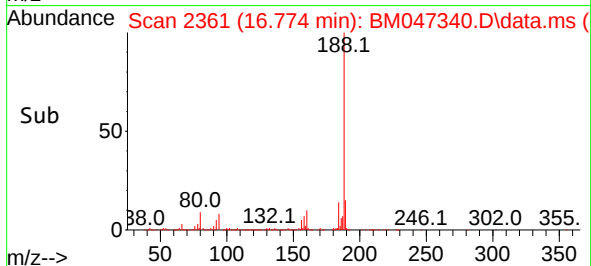
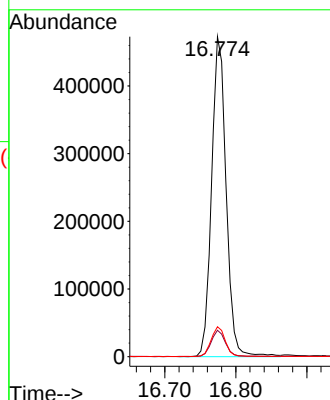
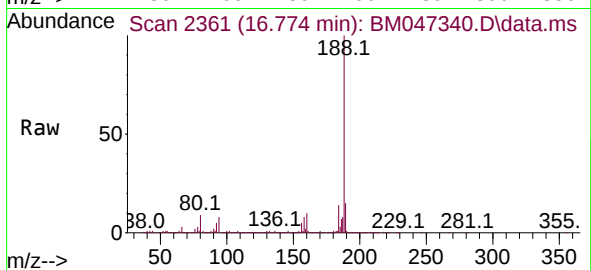
Tgt Ion:188 Resp: 672467

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

80 9.3 8.0 12.0



#71

Phenanthrene

Concen: 17.687 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.024 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

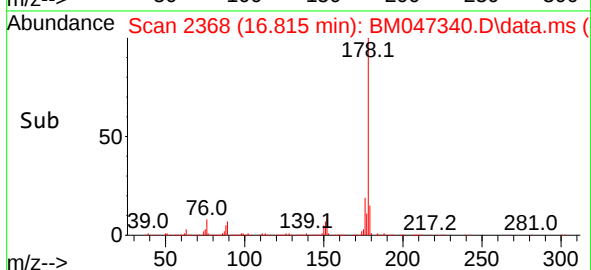
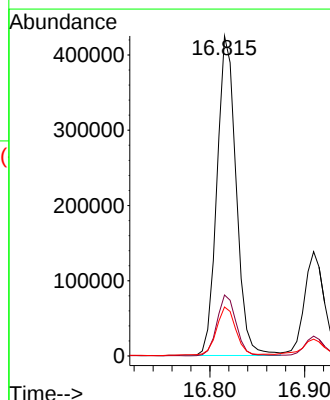
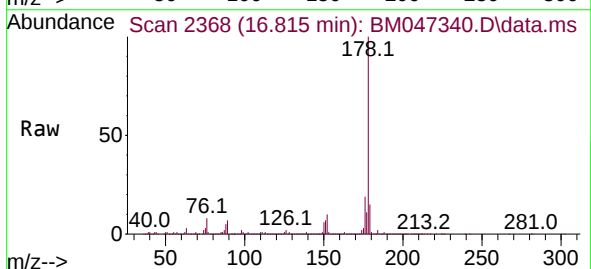
Tgt Ion:178 Resp: 596898

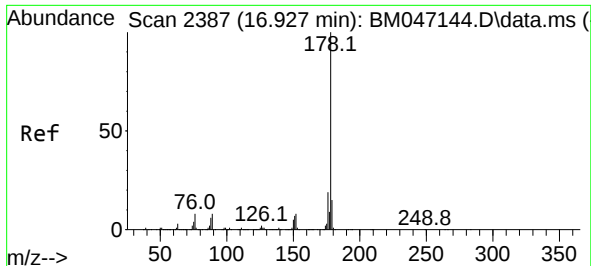
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.3 12.4 18.6

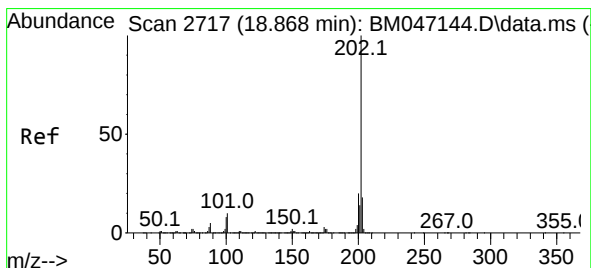
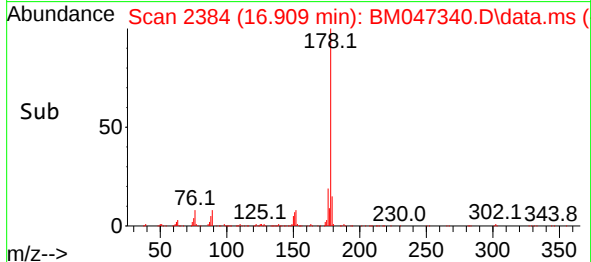
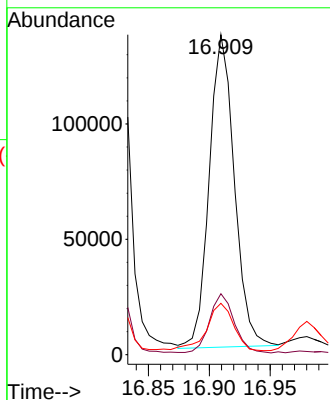
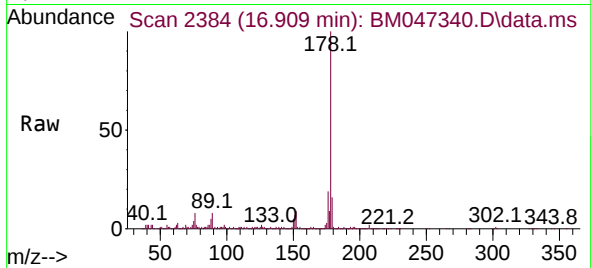




#72
 Anthracene
 Concen: 5.923 ng
 RT: 16.909 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

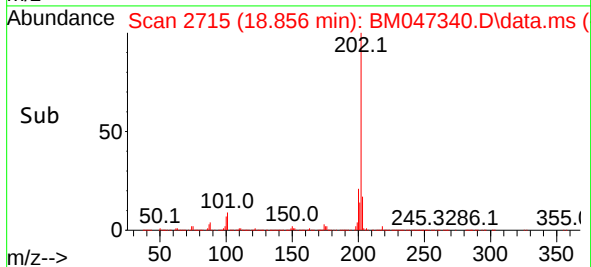
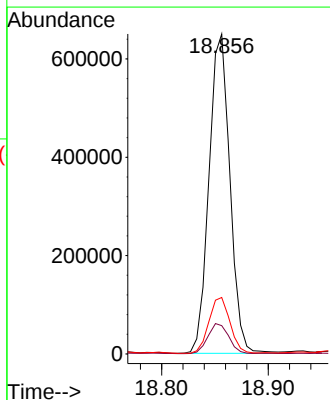
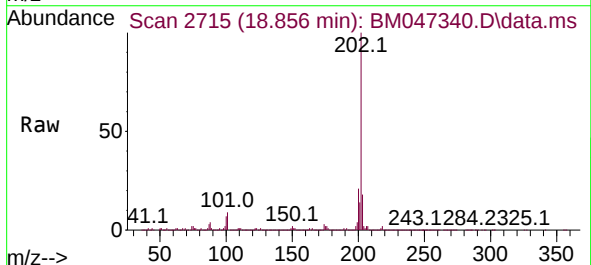
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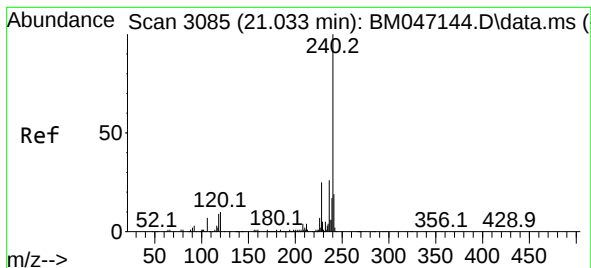
Tgt Ion:178 Resp: 194502
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.8 22.2
 179 16.1 12.4 18.6



#75
 Fluoranthene
 Concen: 21.560 ng
 RT: 18.856 min Scan# 2715
 Delta R.T. -0.012 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

Tgt Ion:202 Resp: 885010
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 30.2
 203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

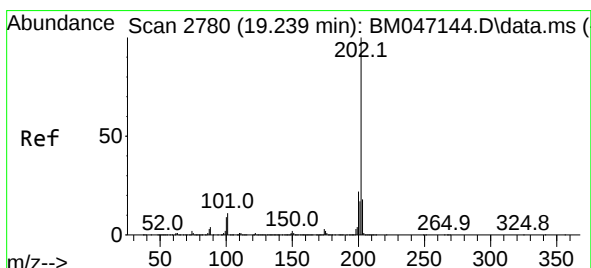
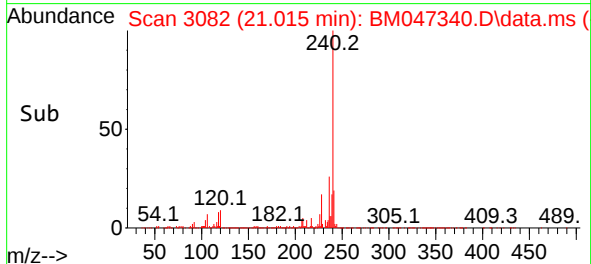
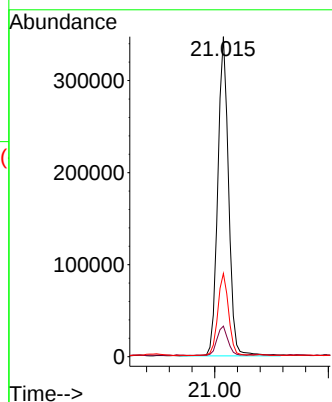
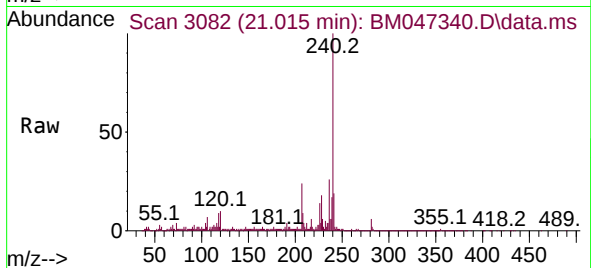
Tgt Ion:240 Resp: 457243

Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.2

236 26.0 20.6 30.8



#78

Pyrene

Concen: 29.770 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

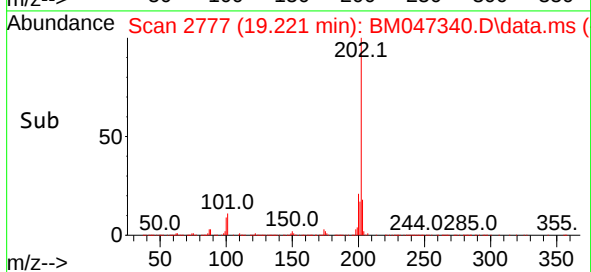
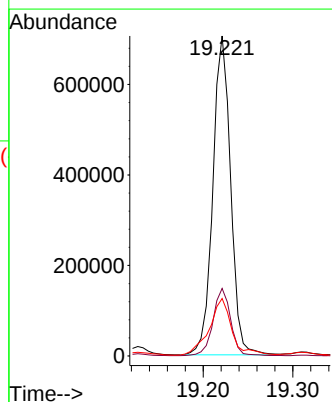
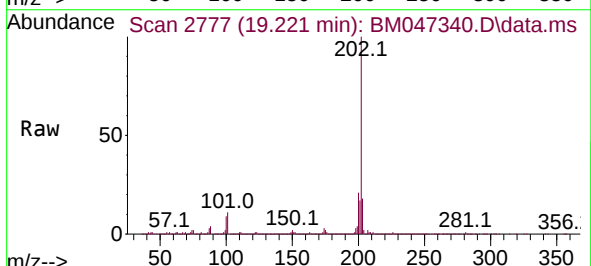
Tgt Ion:202 Resp: 971933

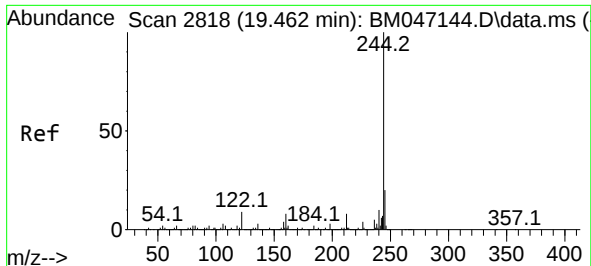
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.9 14.2 21.2

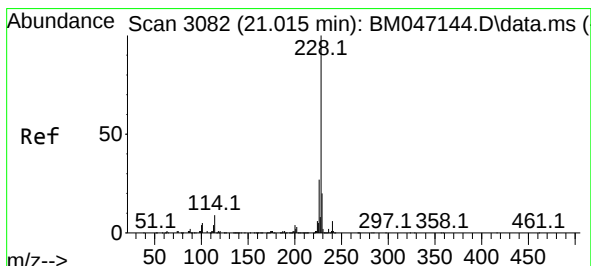
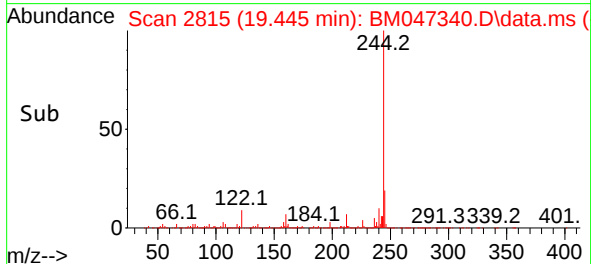
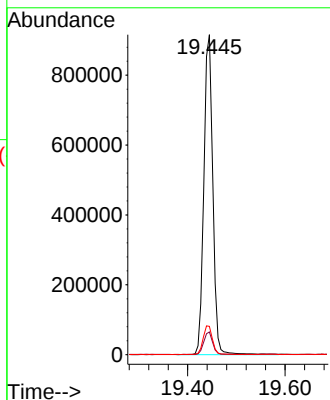
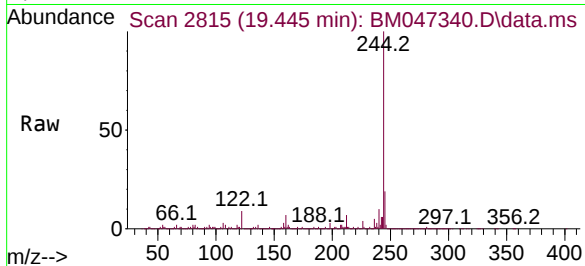




#79
 Terphenyl-d14
 Concen: 54.473 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

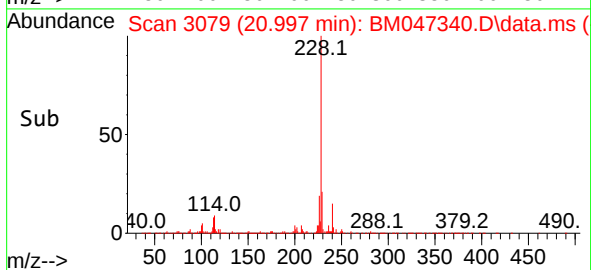
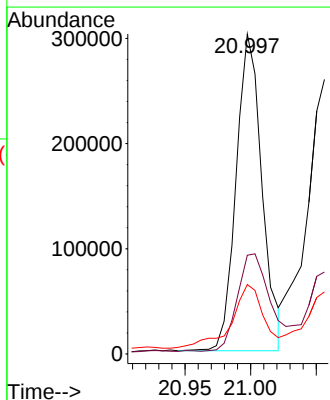
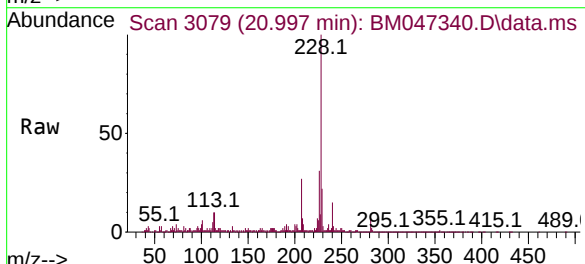
Instrument :
 BNA_M
 ClientSampleId :
 OR-03-8-21-2024

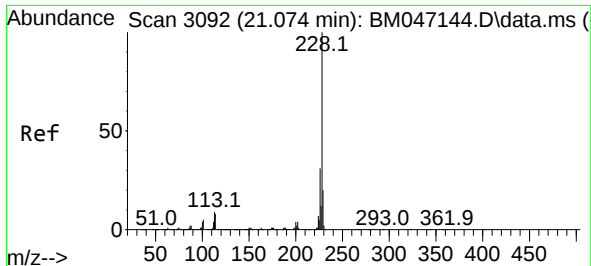
Tgt Ion:244 Resp: 1162401
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 8.9 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 13.616 ng
 RT: 20.997 min Scan# 3079
 Delta R.T. -0.018 min
 Lab File: BM047340.D
 Acq: 23 Aug 2024 19:27

Tgt Ion:228 Resp: 413309
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.6
 229 21.7 15.8 23.8

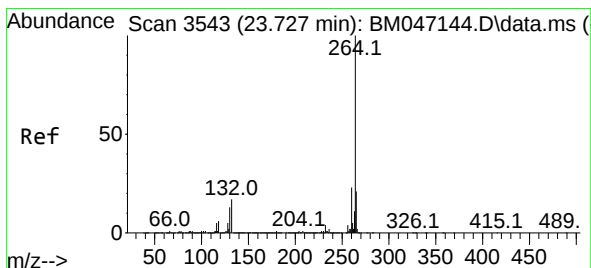
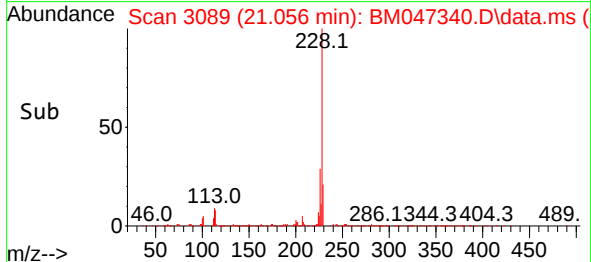
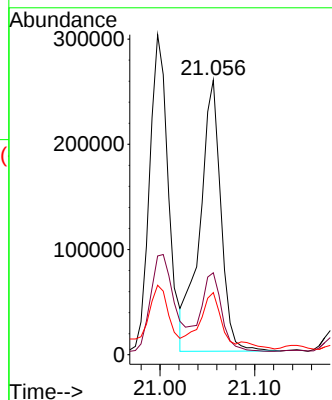
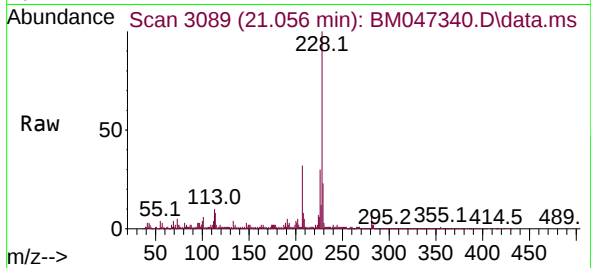




#83
Chrysene
Concen: 13.800 ng
RT: 21.056 min Scan# 3092
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

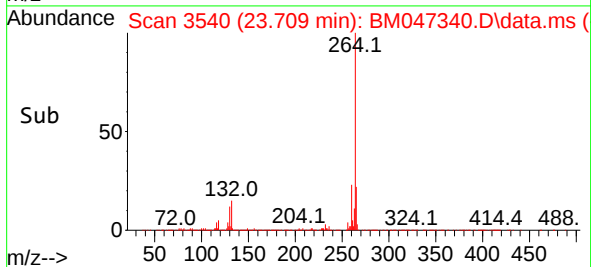
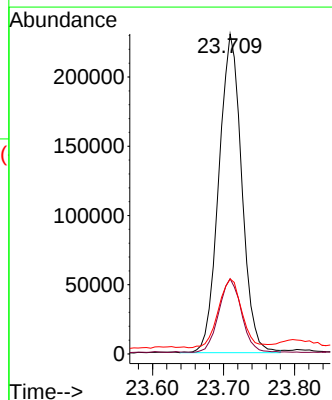
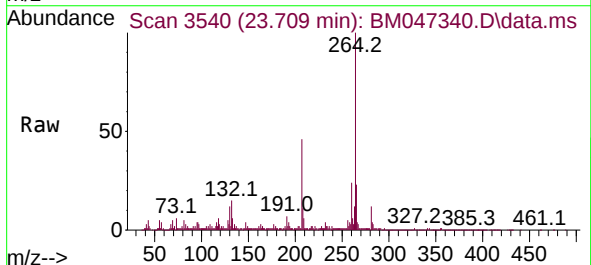
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

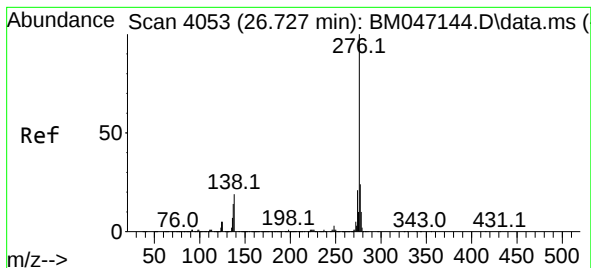
Tgt Ion:	228	Resp:	397433
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	22.6	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion:	264	Resp:	514316
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	23.5	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.682 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.030 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

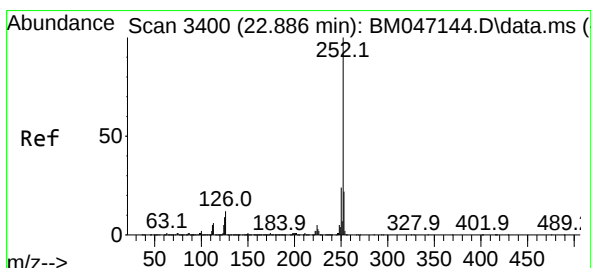
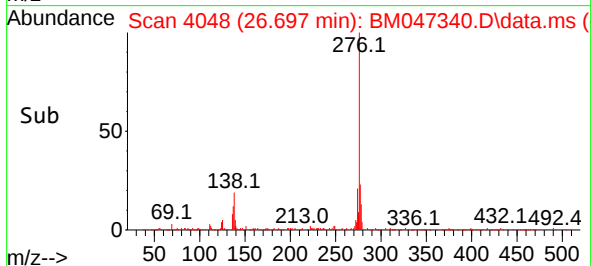
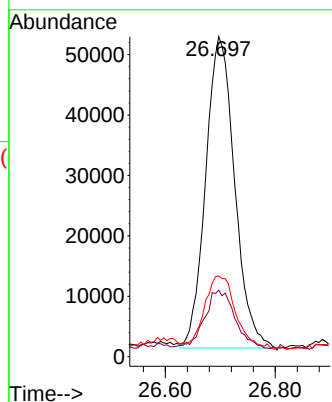
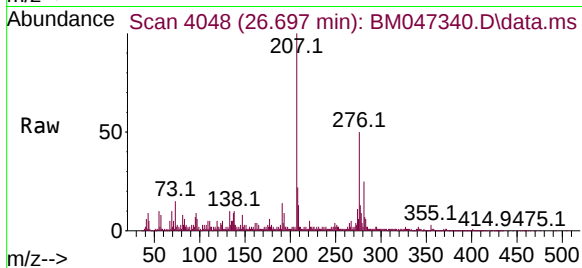
Tgt Ion:276 Resp: 188902

Ion Ratio Lower Upper

276 100

138 20.2 19.4 29.0

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 12.615 ng

RT: 22.868 min Scan# 3397

Delta R.T. -0.018 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

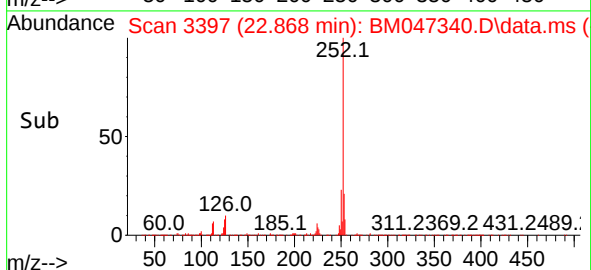
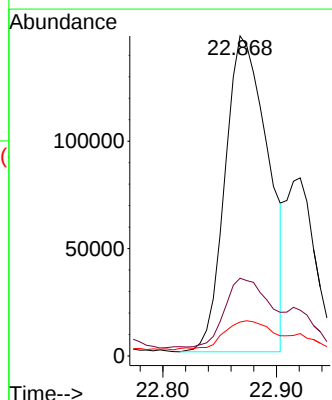
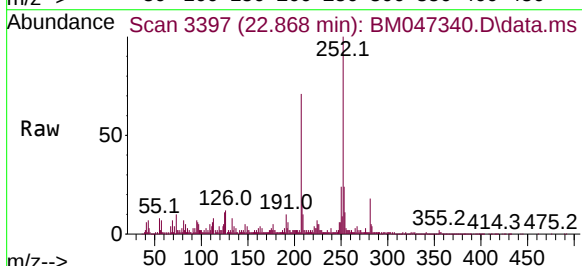
Tgt Ion:252 Resp: 385314

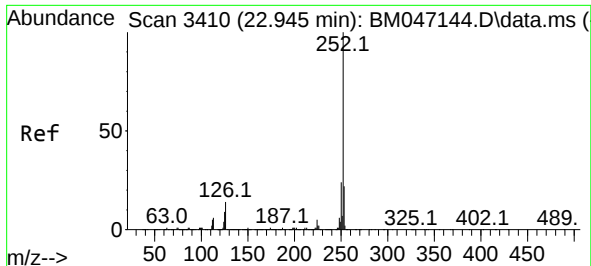
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 10.6 7.4 11.0

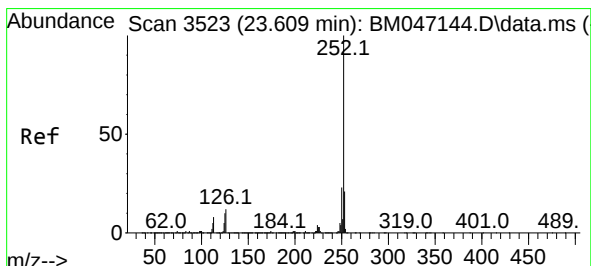
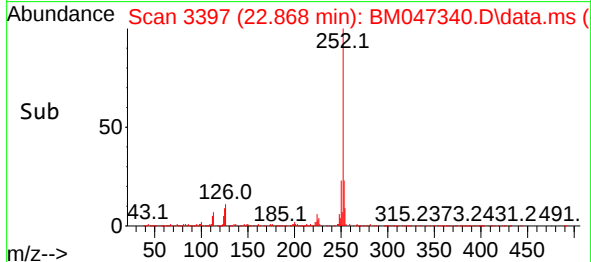
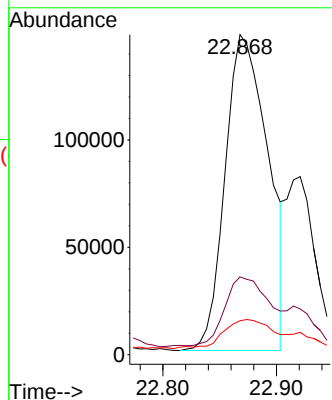
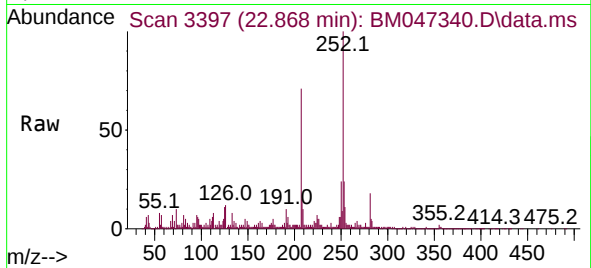




#89
Benzo(k)fluoranthene
Concen: 13.356 ng
RT: 22.868 min Scan# 31
Delta R.T. -0.077 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

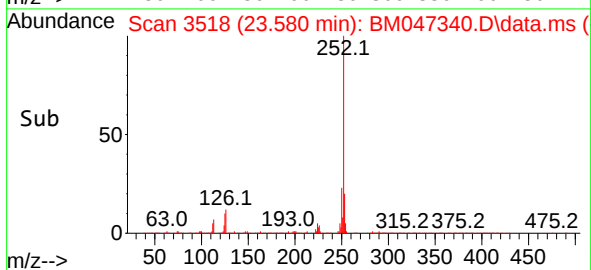
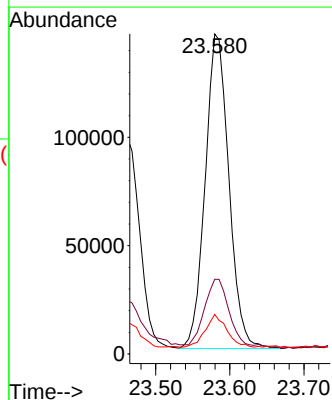
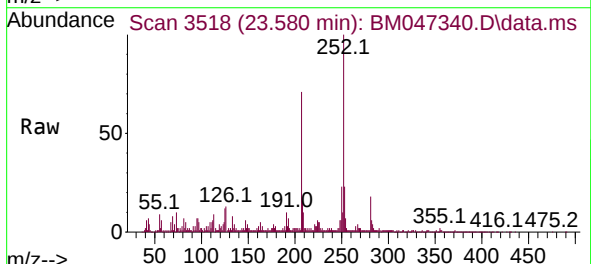
Instrument :
BNA_M
ClientSampleId :
OR-03-8-21-2024

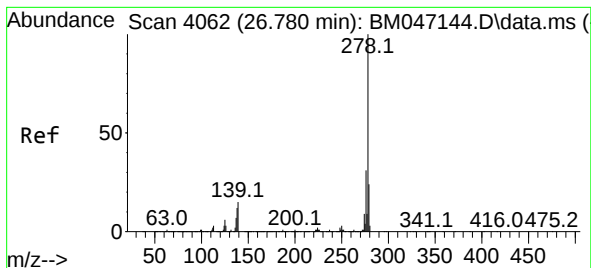
Tgt Ion:252 Resp: 385314
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 10.6 7.4 11.2



#90
Benzo(a)pyrene
Concen: 12.192 ng
RT: 23.580 min Scan# 3518
Delta R.T. -0.030 min
Lab File: BM047340.D
Acq: 23 Aug 2024 19:27

Tgt Ion:252 Resp: 322579
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.4 8.2 12.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.063 ng

RT: 26.732 min Scan# 4062

Delta R.T. -0.047 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Instrument :

BNA_M

ClientSampleId :

OR-03-8-21-2024

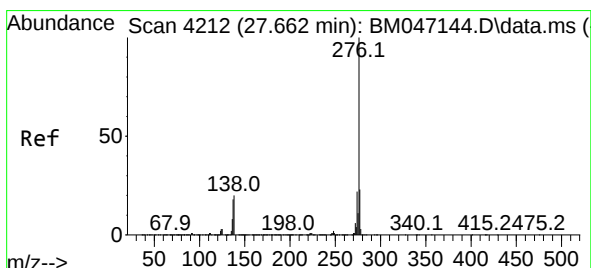
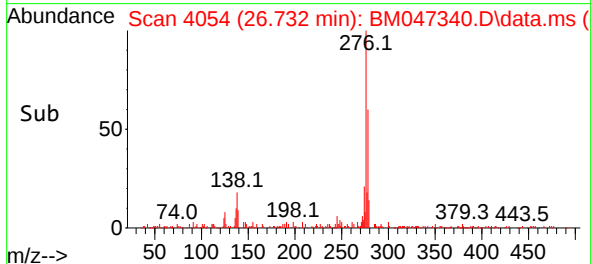
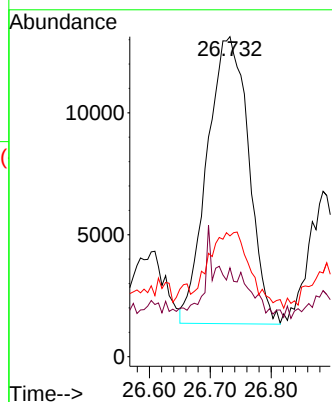
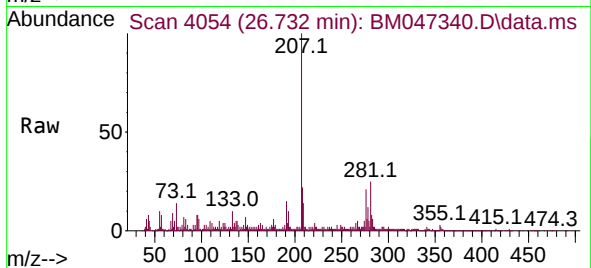
Tgt Ion:278 Resp: 55490

Ion Ratio Lower Upper

278 100

139 27.7 12.0 18.0#

279 37.7 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 7.390 ng

RT: 27.632 min Scan# 4207

Delta R.T. -0.030 min

Lab File: BM047340.D

Acq: 23 Aug 2024 19:27

Tgt Ion:276 Resp: 206424

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 20.0 16.2 24.4

