

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047430.D
 Acq On : 03 Sep 2024 18:03
 Operator : RC/JU
 Sample : P3812-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 04 00:27:17 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)

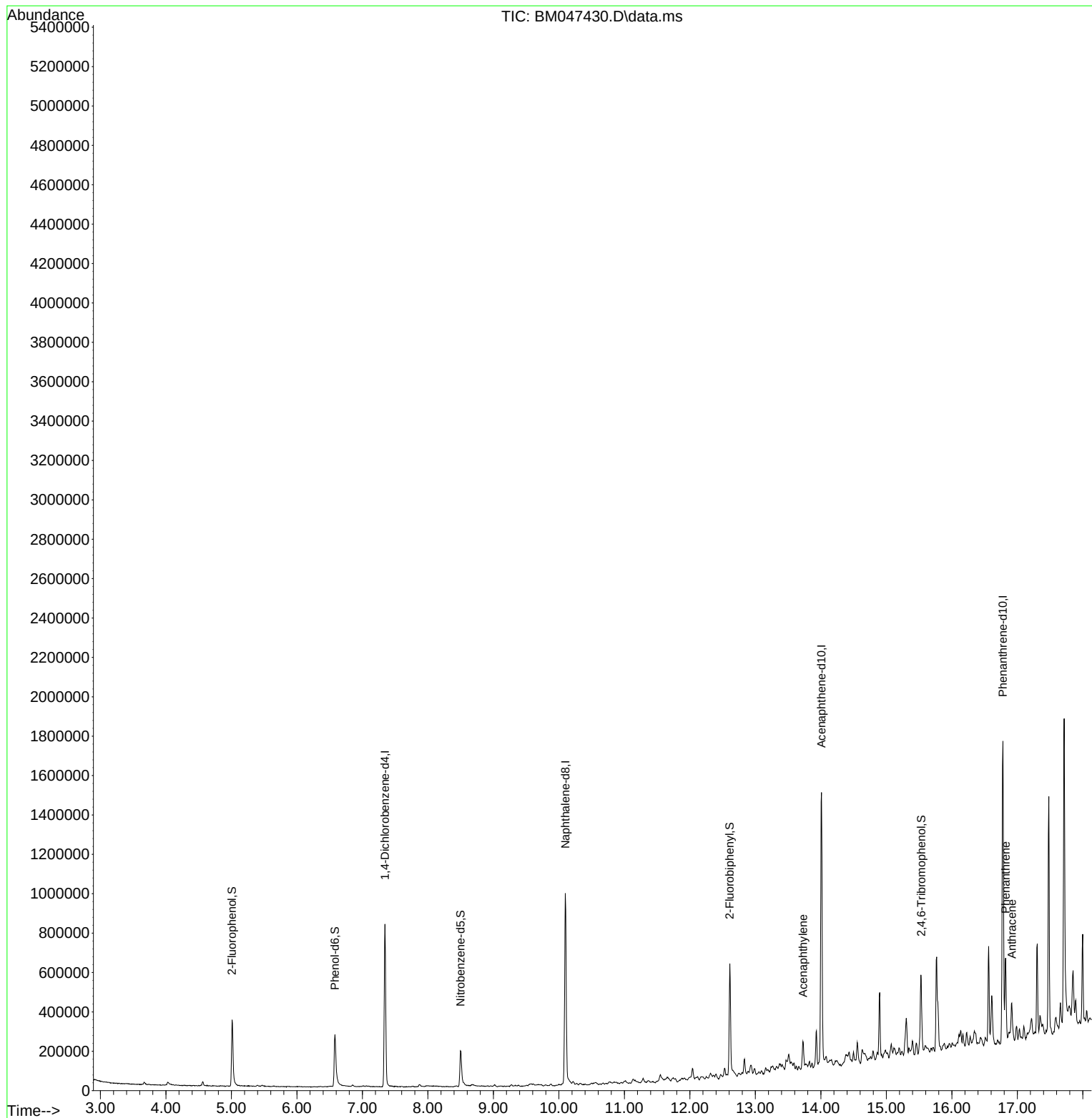
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	244373	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	848444	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	523970	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	993919	20.000	ng	0.00
76) Chrysene-d12	21.021	240	861050	20.000	ng	0.00
86) Perylene-d12	23.732	264	1021998	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	177597	13.943	ng	0.00
7) Phenol-d6	6.581	99	212940	12.272	ng	0.01
23) Nitrobenzene-d5	8.498	82	136312	8.914	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	80098	12.670	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	344038	10.089	ng	0.00
79) Terphenyl-d14	19.445	244	445879	9.217	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.487	77	217	Below Cal	#	28
49) Acenaphthylene	13.727	152	111031	2.665	ng	98
71) Phenanthrene	16.821	178	262214	5.432	ng	99
72) Anthracene	16.915	178	137560	2.923	ng	97
75) Fluoranthene	18.856	202	654696	11.551	ng	99
78) Pyrene	19.227	202	703478	10.652	ng	100
81) Benzo(a)anthracene	21.003	228	357880	6.373	ng	95
83) Chrysene	21.003	228	357880	6.775	ng	96
87) Indeno(1,2,3-cd)pyrene	26.750	276	282009	4.408	ng	96
88) Benzo(b)fluoranthene	22.891	252	483202	8.104	ng	# 90
89) Benzo(k)fluoranthene	22.891	252	483202	8.549	ng	# 89
90) Benzo(a)pyrene	23.609	252	389493	7.554	ng	# 93
92) Benzo(g,h,i)perylene	27.691	276	291130	5.403	ng	96

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

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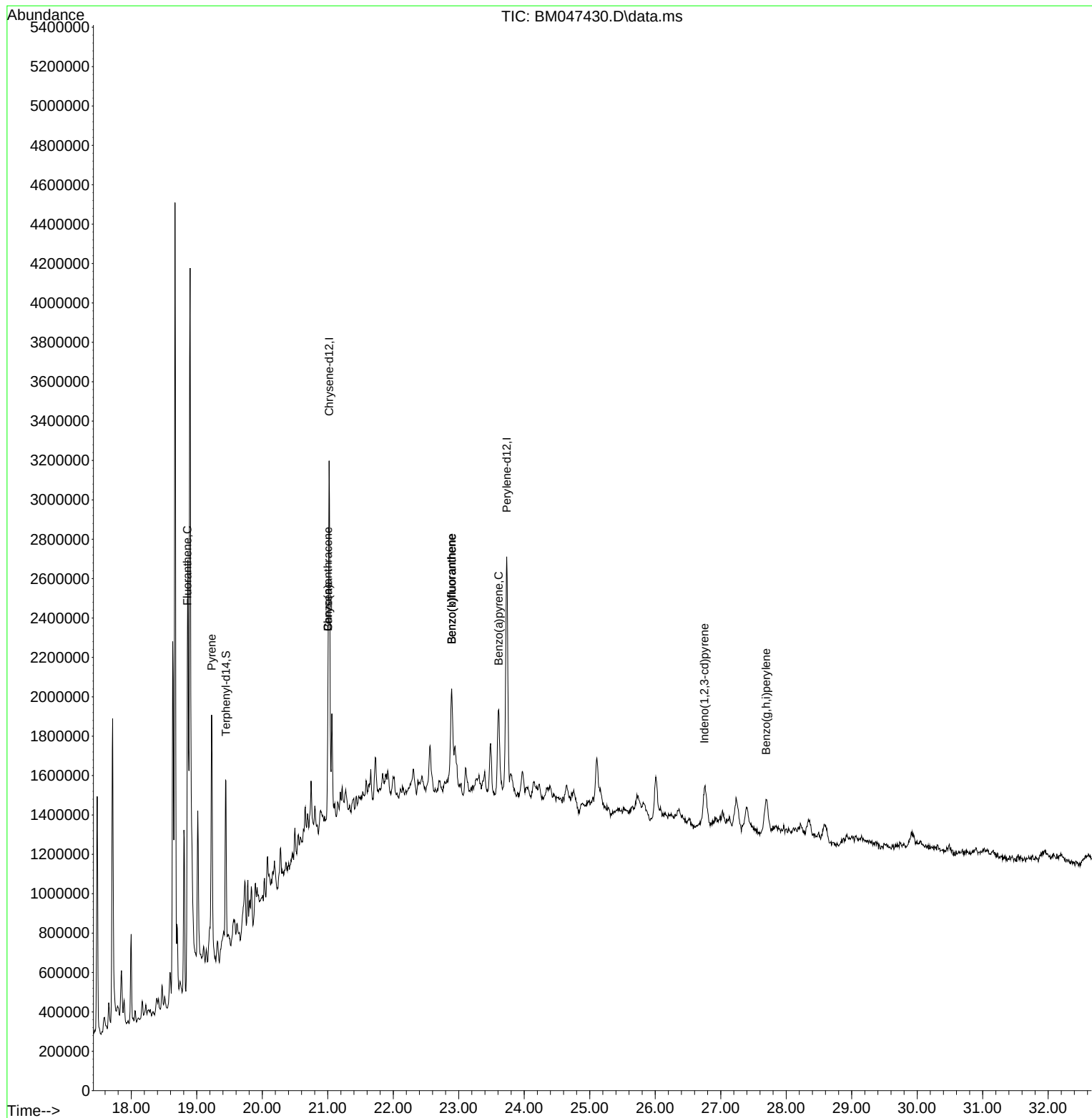
Quant Time: Sep 04 00:27:17 2024
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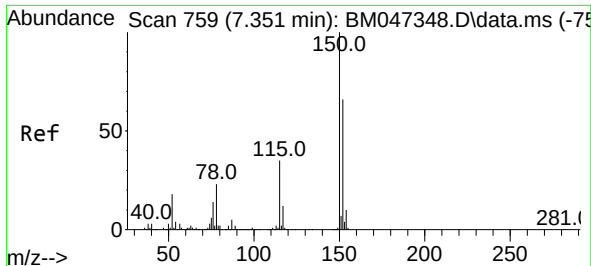


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
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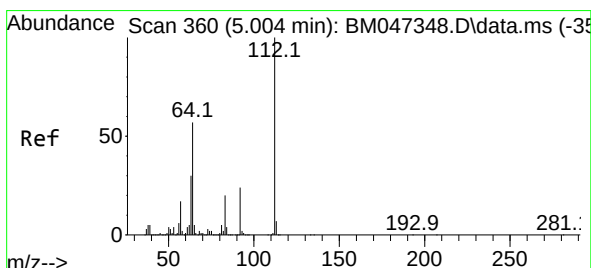
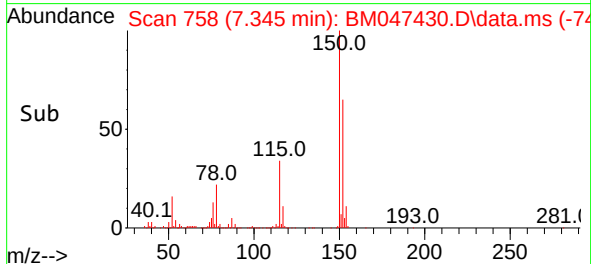
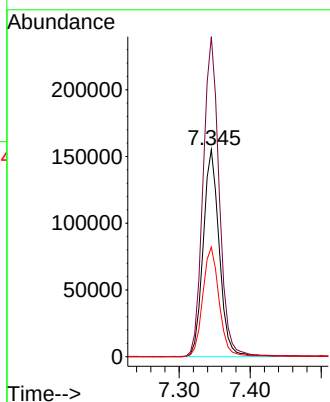
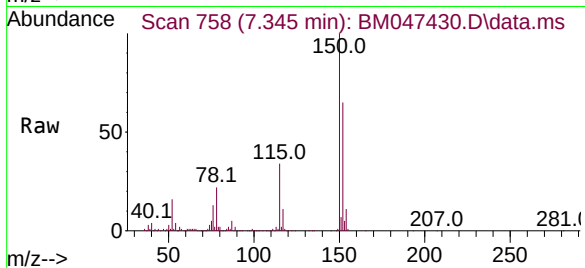


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.345 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BM047430.D
 Acq: 03 Sep 2024 18:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:152 Resp: 244373

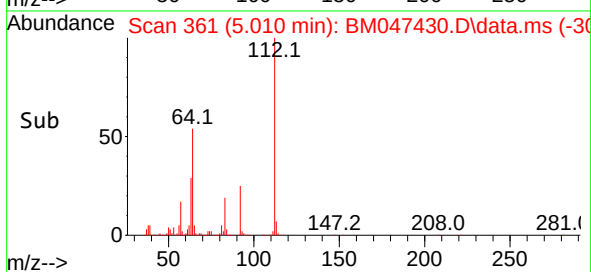
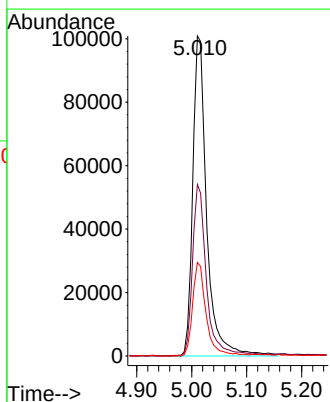
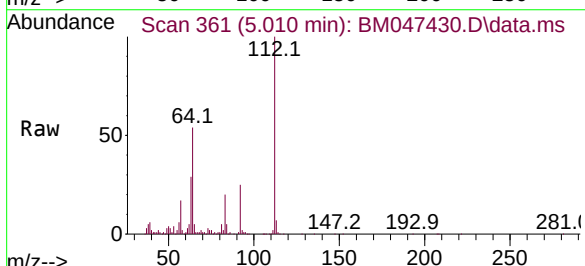
Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.3	181.9
115	52.9	42.6	64.0

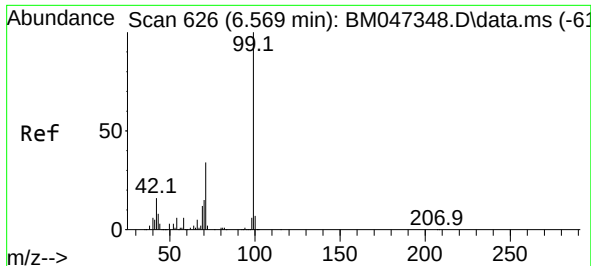


#5
 2-Fluorophenol
 Concen: 13.943 ng
 RT: 5.010 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: BM047430.D
 Acq: 03 Sep 2024 18:03

Tgt Ion:112 Resp: 177597

Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.7	68.5
63	29.2	23.8	35.8

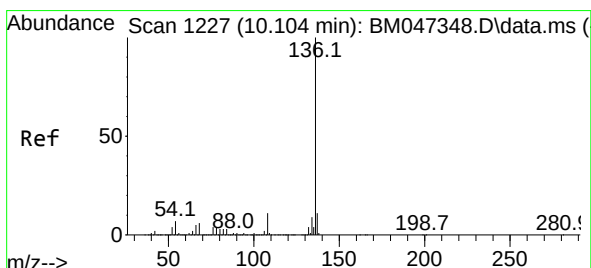
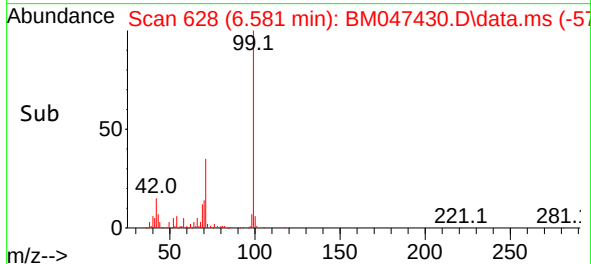
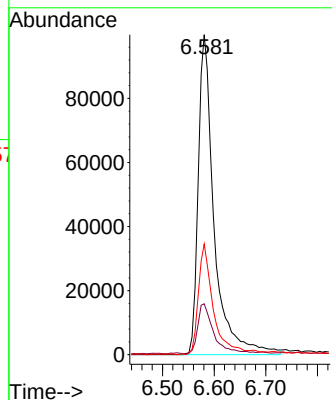
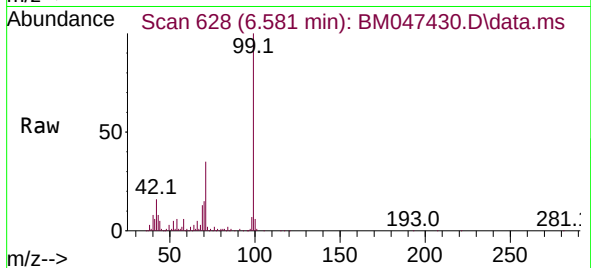




#7
Phenol-d6
Concen: 12.272 ng
RT: 6.581 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

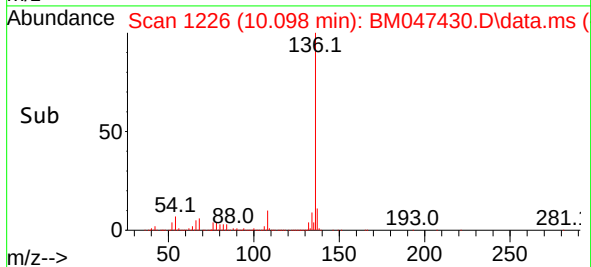
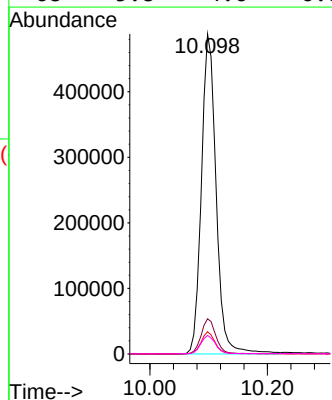
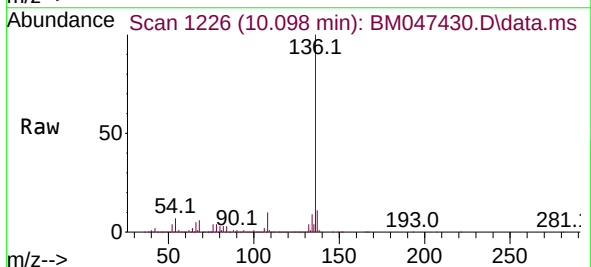
Instrument :
BNA_M
ClientSampleId :

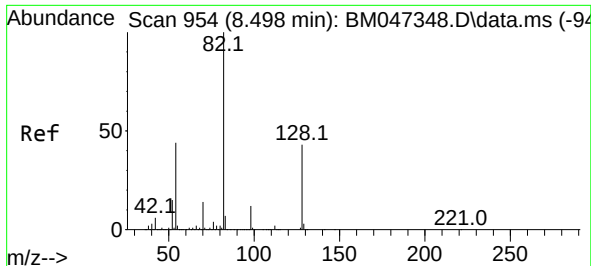
Tgt Ion: 99 Resp: 212940
Ion Ratio Lower Upper
99 100
42 15.9 13.0 19.4
71 34.6 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion: 136 Resp: 848444
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.0 5.2 7.8
68 5.8 4.6 6.8

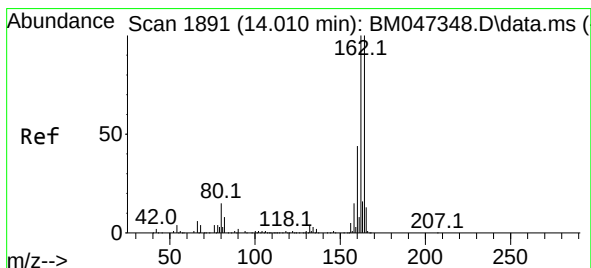
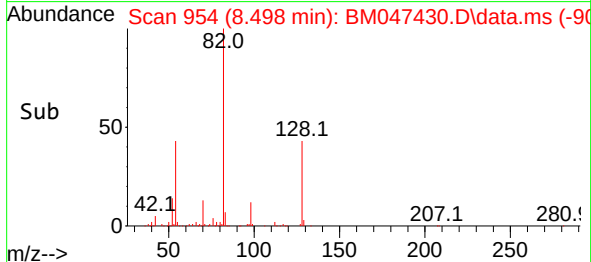
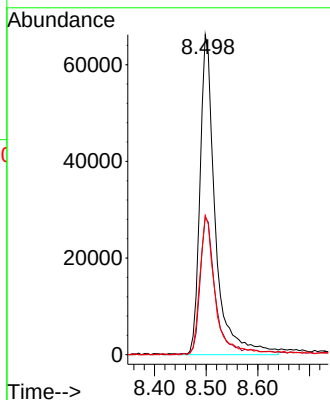
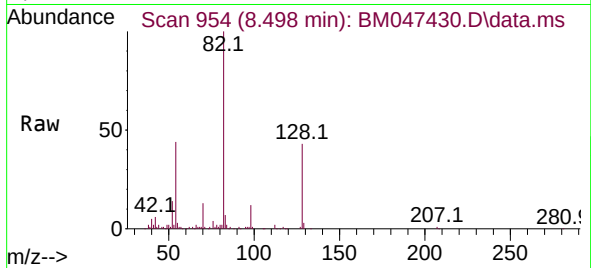




#23
Nitrobenzene-d5
Concen: 8.914 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

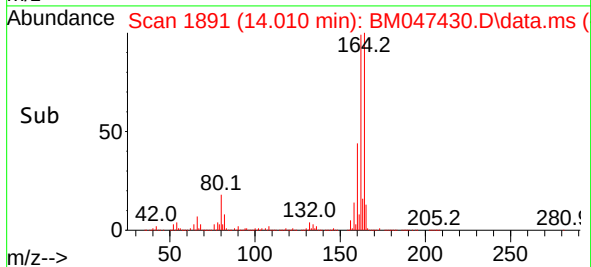
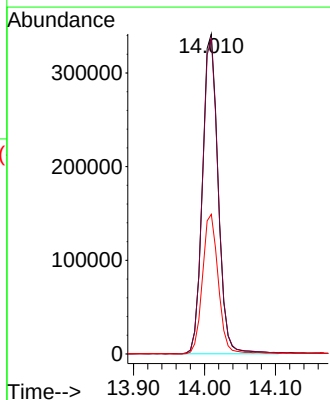
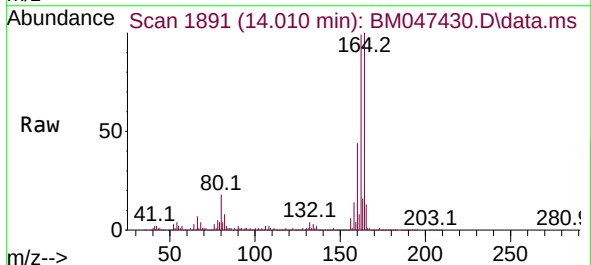
Instrument :
BNA_M
ClientSampleId :

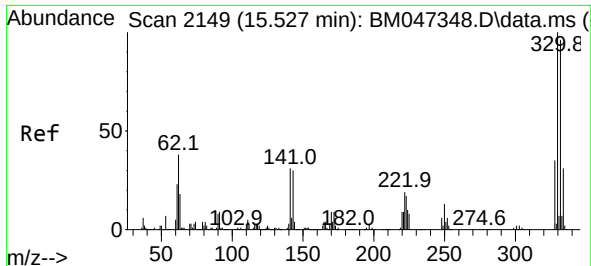
Tgt Ion: 82 Resp: 136312
Ion Ratio Lower Upper
82 100
128 42.9 34.6 51.8
54 43.6 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:164 Resp: 523970
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 43.6 34.9 52.3

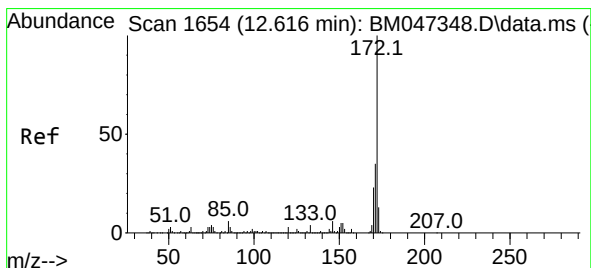
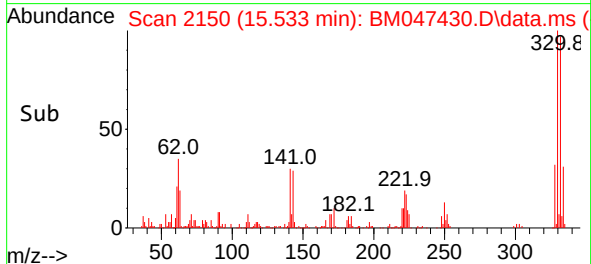
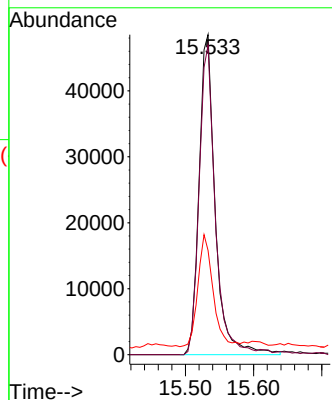
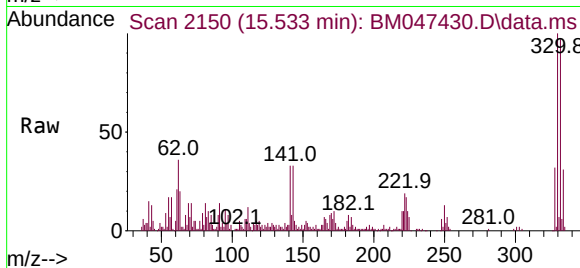




#42
2,4,6-Tribromophenol
Concen: 12.670 ng
RT: 15.533 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

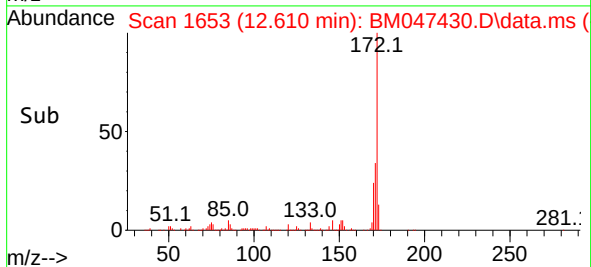
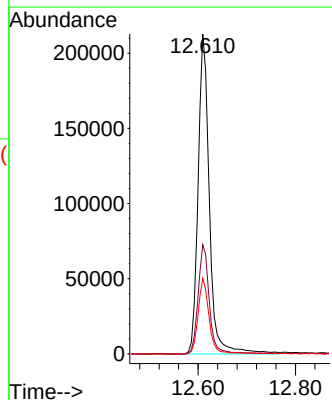
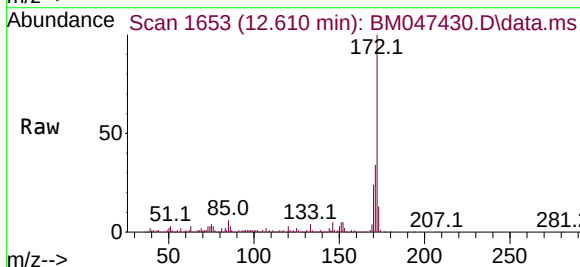
Instrument :
BNA_M
ClientSampleId :

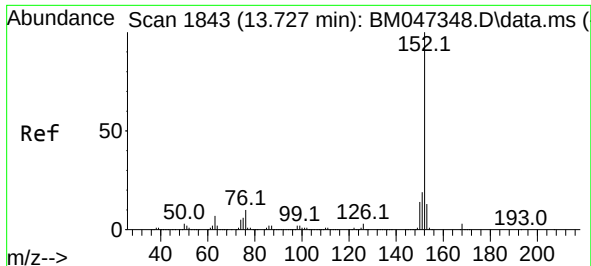
Tgt Ion:330 Resp: 80098
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 32.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 10.089 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

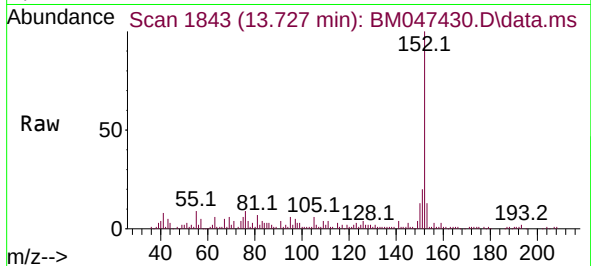
Tgt Ion:172 Resp: 344038
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.6 18.5 27.7



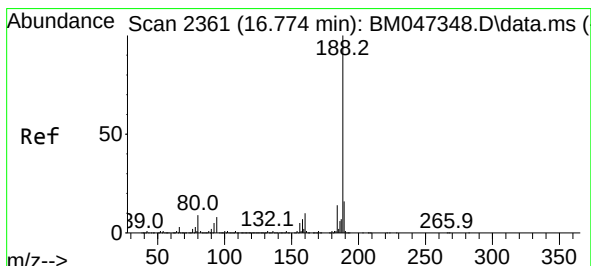
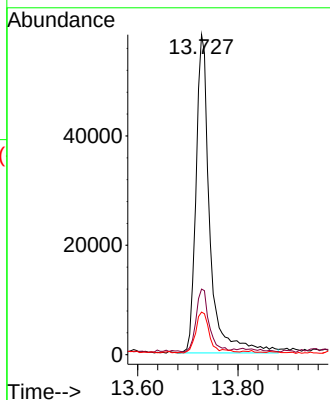
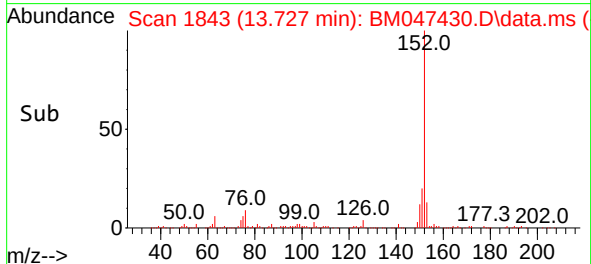


#49
Acenaphthylene
Concen: 2.665 ng
RT: 13.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Instrument :
BNA_M
ClientSampleId :

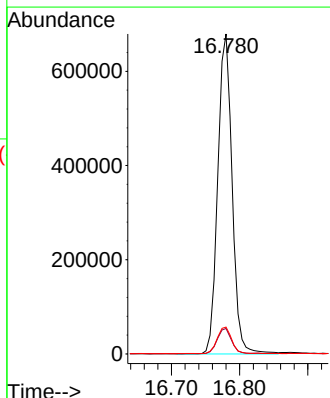
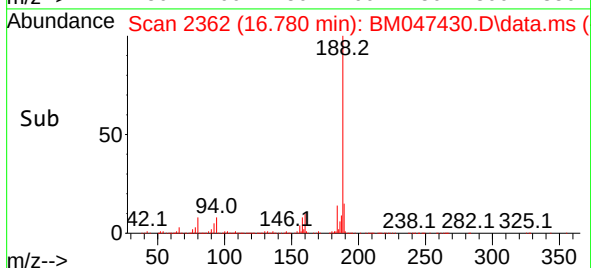
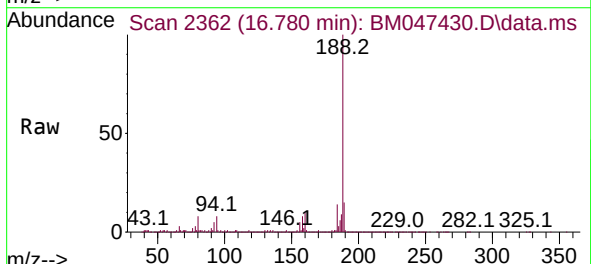


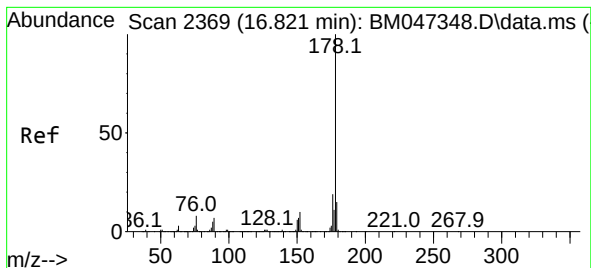
Tgt Ion:152 Resp: 111031
Ion Ratio Lower Upper
152 100
151 20.5 15.4 23.0
153 13.3 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:188 Resp: 993919
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.4 7.4 11.2





#71

Phenanthrene

Concen: 5.432 ng

RT: 16.821 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

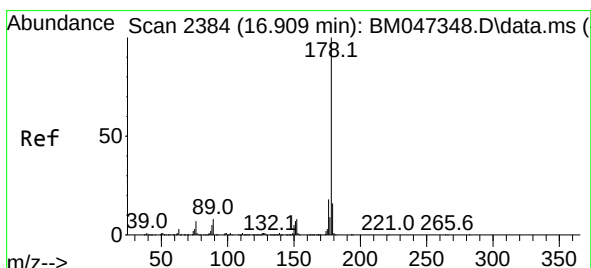
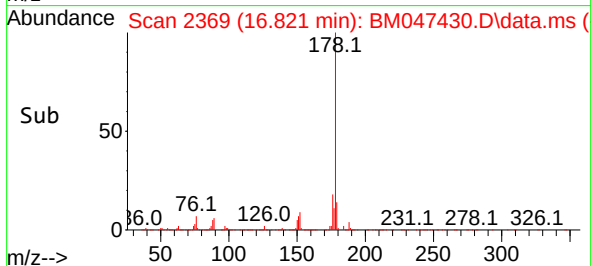
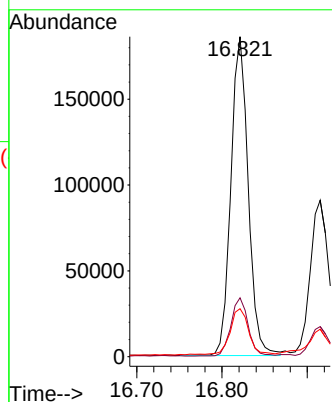
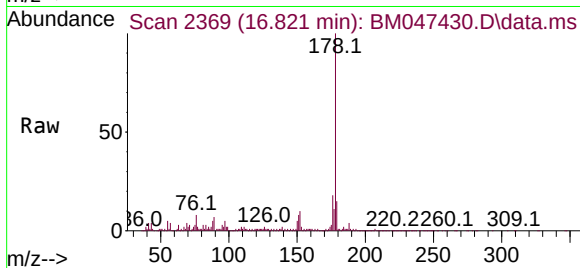
Tgt Ion:178 Resp: 262214

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

179 15.0 12.2 18.4



#72

Anthracene

Concen: 2.923 ng

RT: 16.915 min Scan# 2385

Delta R.T. 0.006 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

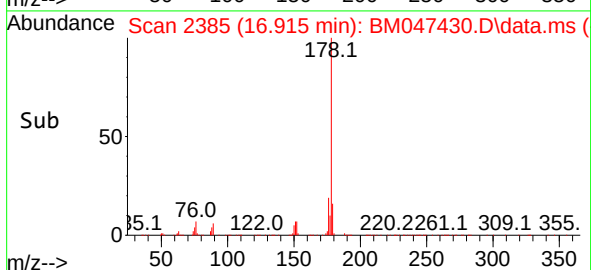
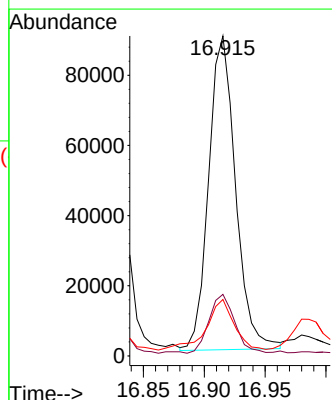
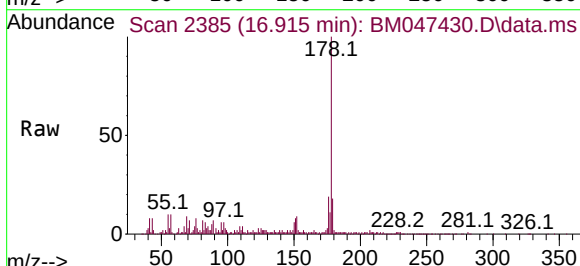
Tgt Ion:178 Resp: 137560

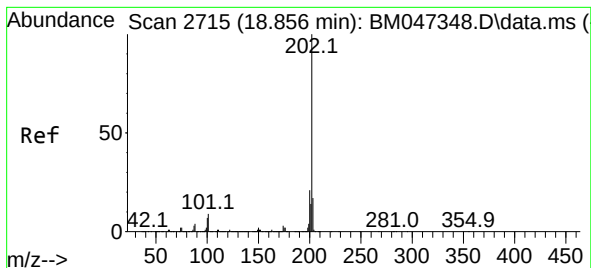
Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

179 17.6 12.6 18.8





#75

Fluoranthene

Concen: 11.551 ng

RT: 18.856 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

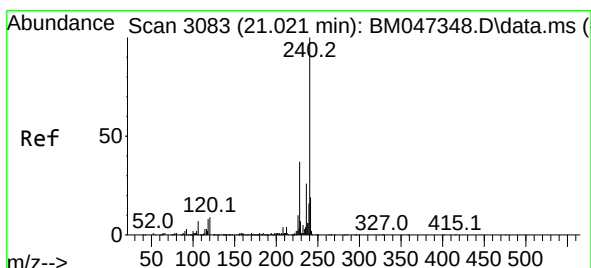
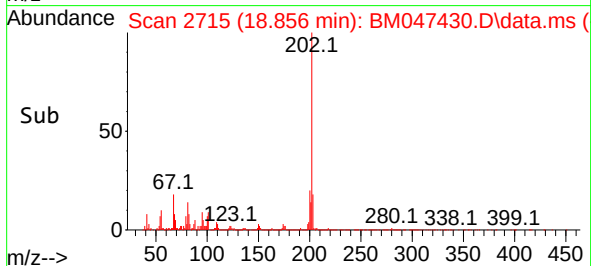
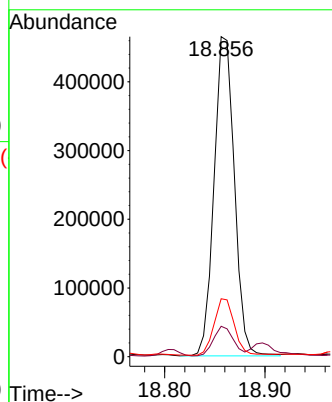
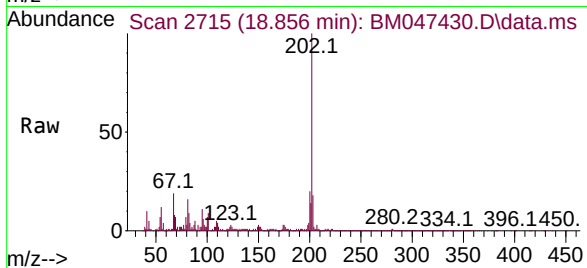
Tgt Ion:202 Resp: 654696

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.0

203 18.1 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: BM047430.D

Acq: 03 Sep 2024 18:03

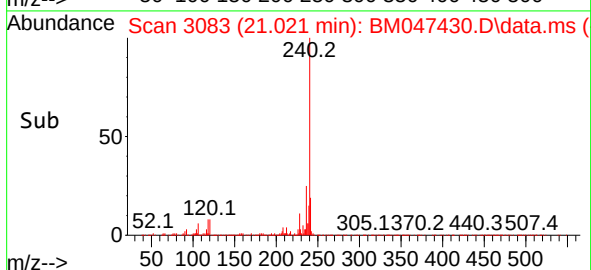
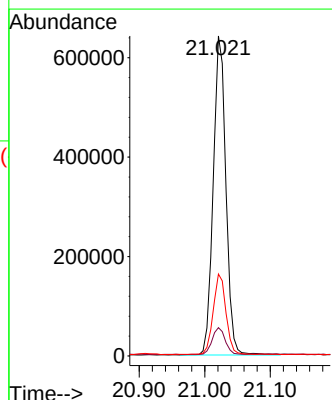
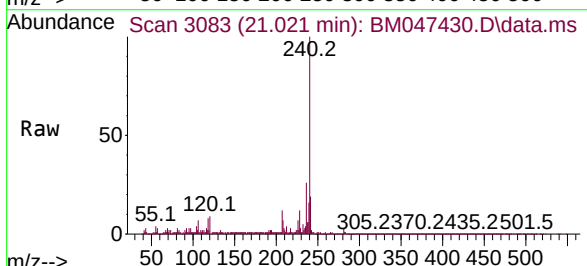
Tgt Ion:240 Resp: 861050

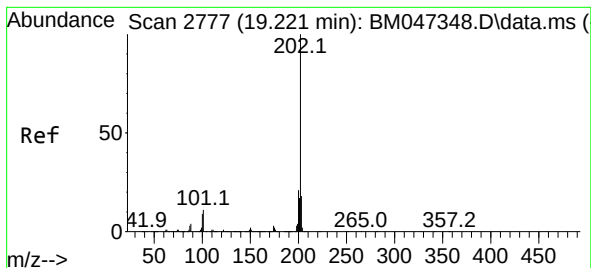
Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.0

236 25.6 20.8 31.2





#78

Pyrene

Concen: 10.652 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

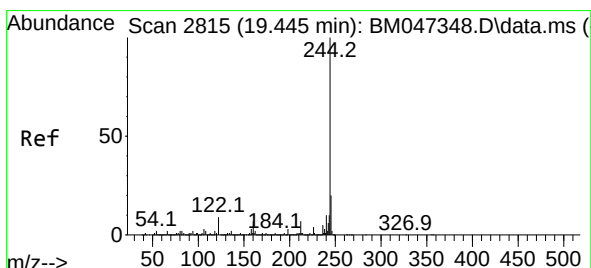
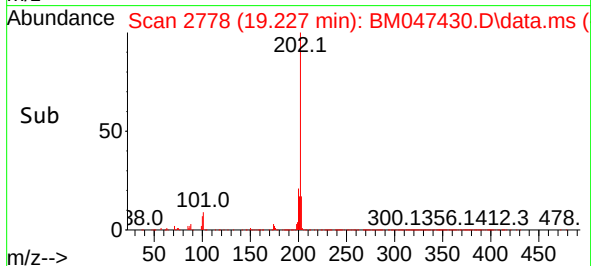
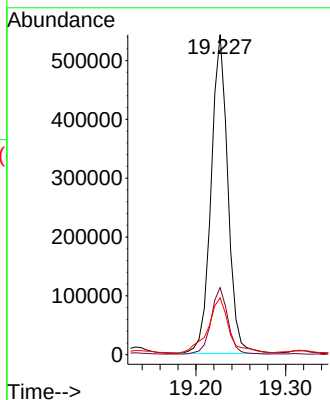
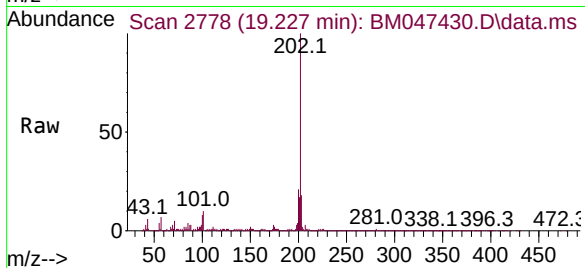
Tgt Ion:202 Resp: 703478

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 9.217 ng

RT: 19.445 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

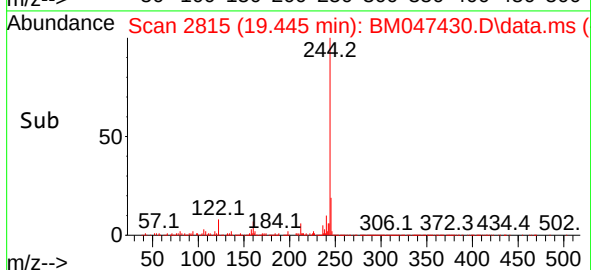
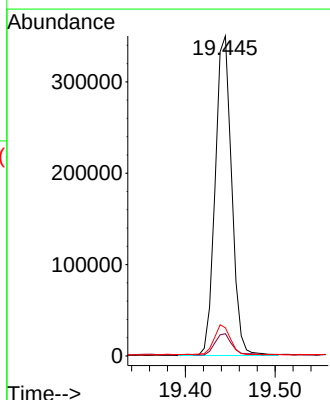
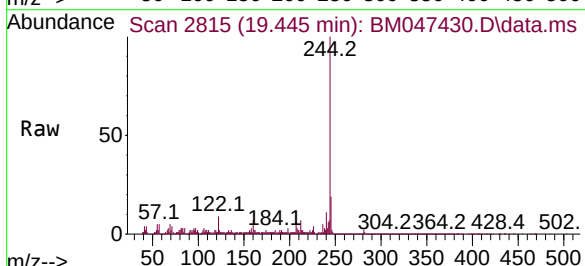
Tgt Ion:244 Resp: 445879

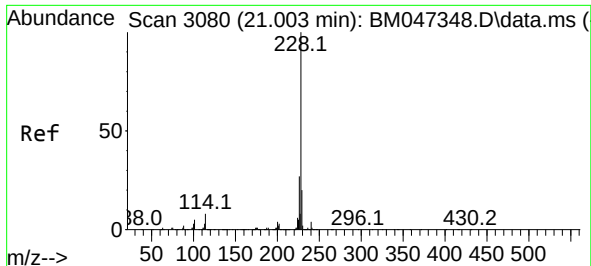
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.8 7.0 10.4

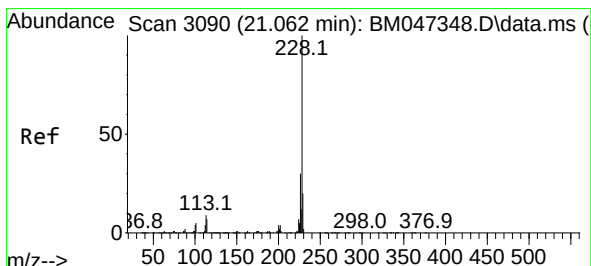
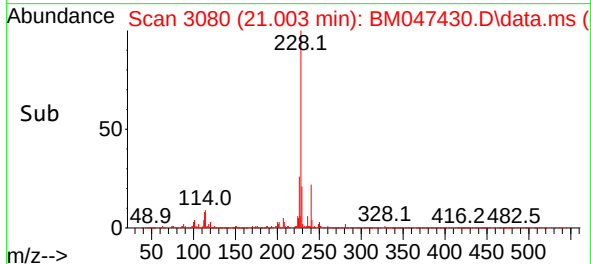
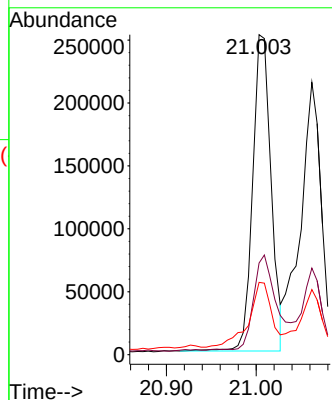
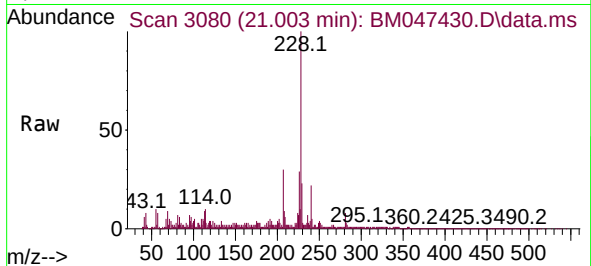




#81
Benzo(a)anthracene
Concen: 6.373 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

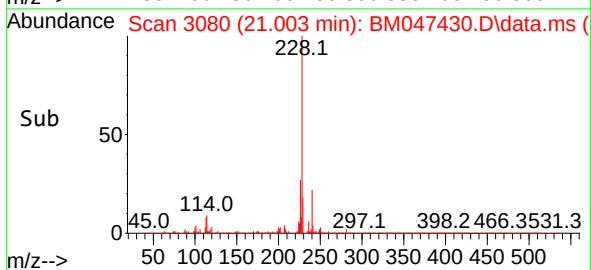
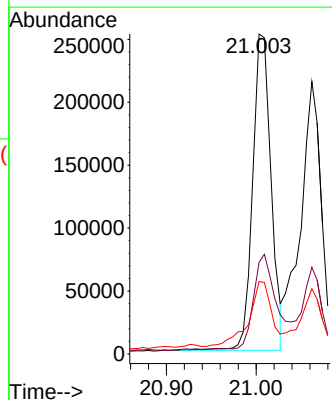
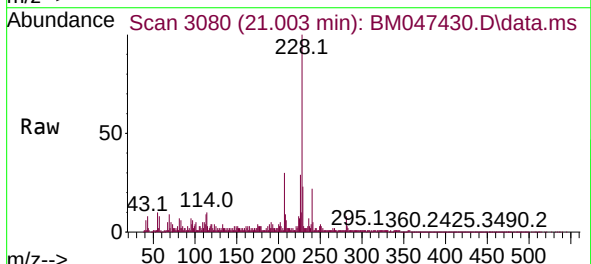
Instrument :
BNA_M
ClientSampleId :

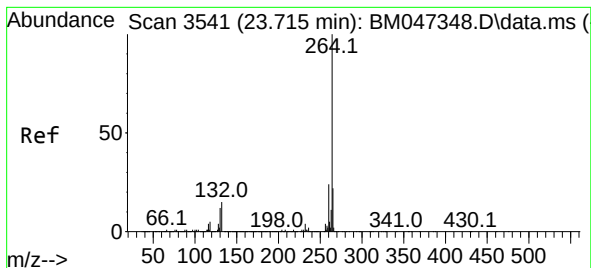
Tgt Ion:228 Resp: 357880
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 22.6 15.8 23.8



#83
Chrysene
Concen: 6.775 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.059 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:228 Resp: 357880
Ion Ratio Lower Upper
228 100
226 28.6 24.0 36.0
229 22.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.732 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

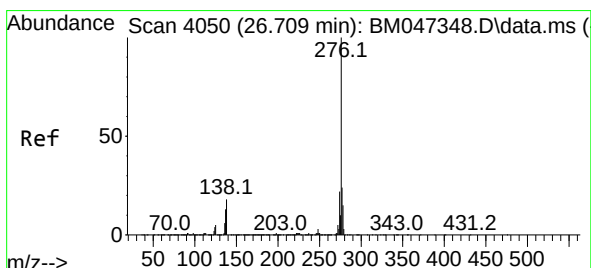
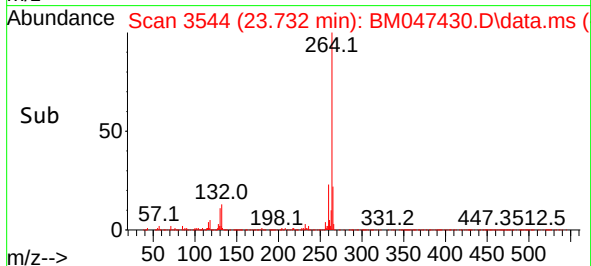
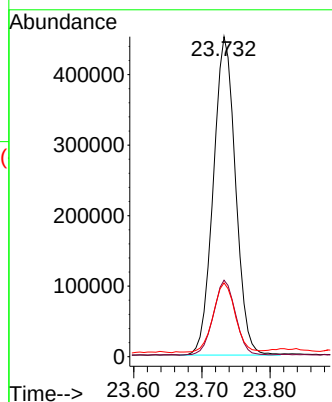
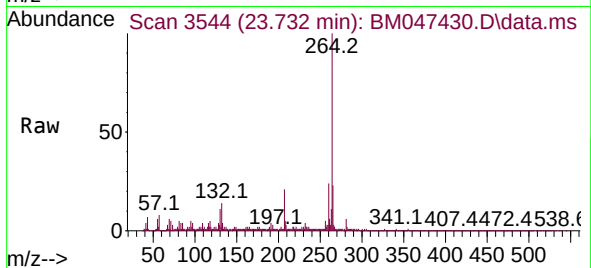
Tgt Ion:264 Resp: 1021998

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 23.1 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.408 ng

RT: 26.750 min Scan# 4057

Delta R.T. 0.041 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

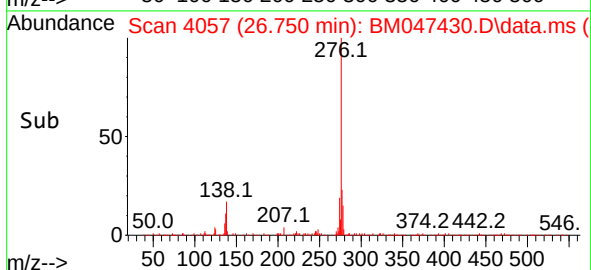
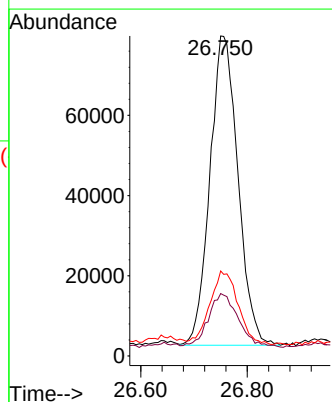
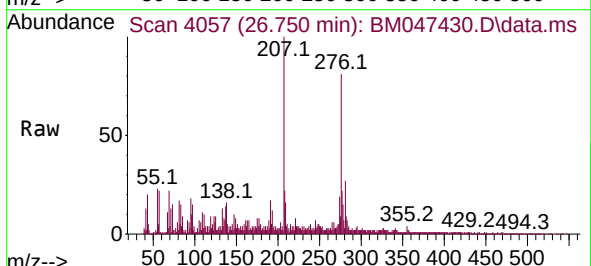
Tgt Ion:276 Resp: 282009

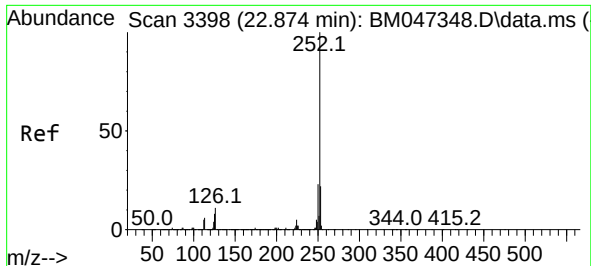
Ion Ratio Lower Upper

276 100

138 18.8 17.7 26.5

277 23.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.104 ng

RT: 22.891 min Scan# 3401

Delta R.T. 0.018 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

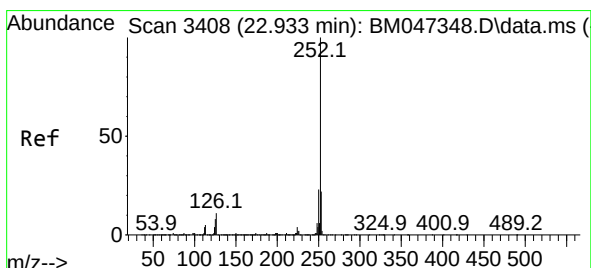
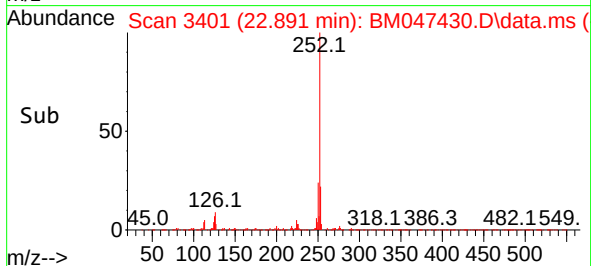
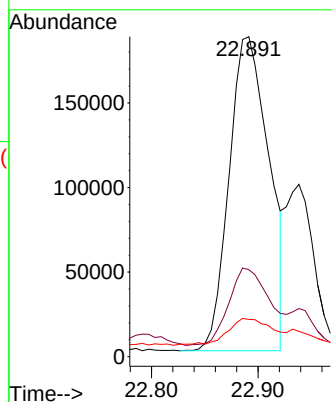
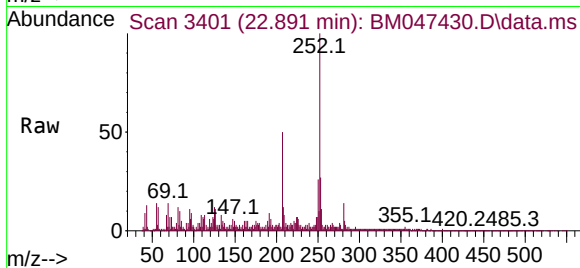
Tgt Ion:252 Resp: 483202

Ion Ratio Lower Upper

252 100

253 27.2 17.8 26.6#

125 11.6 6.6 10.0#



#89

Benzo(k)fluoranthene

Concen: 8.549 ng

RT: 22.891 min Scan# 3401

Delta R.T. -0.041 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

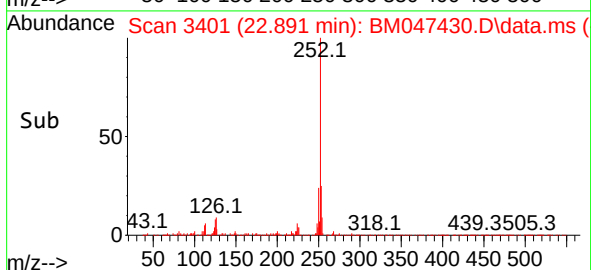
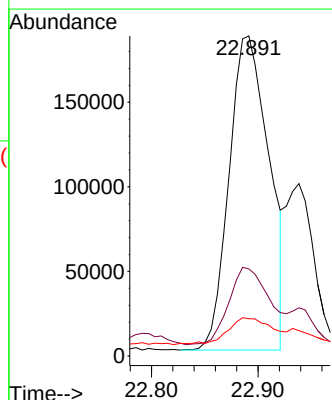
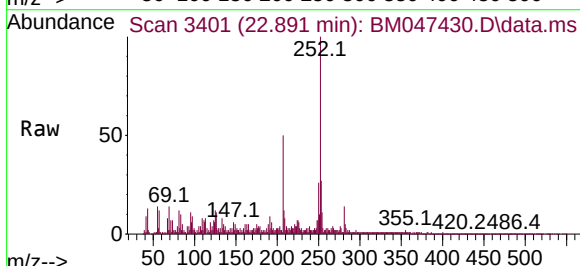
Tgt Ion:252 Resp: 483202

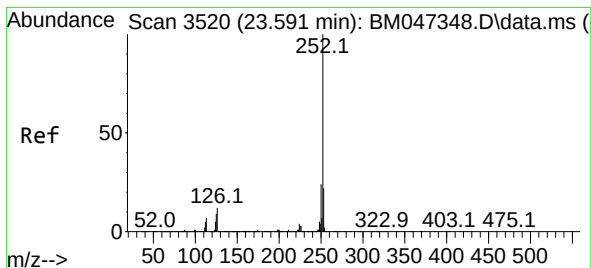
Ion Ratio Lower Upper

252 100

253 27.2 17.5 26.3#

125 11.6 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 7.554 ng

RT: 23.609 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

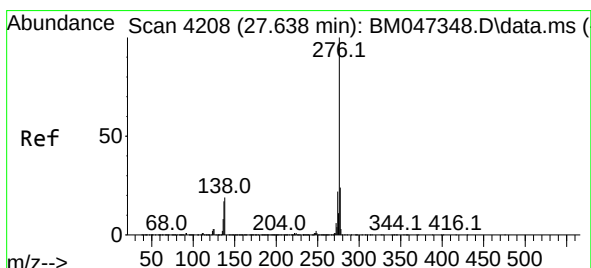
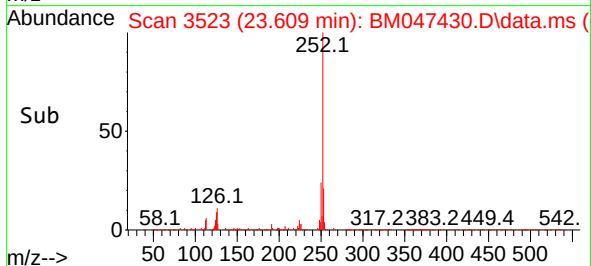
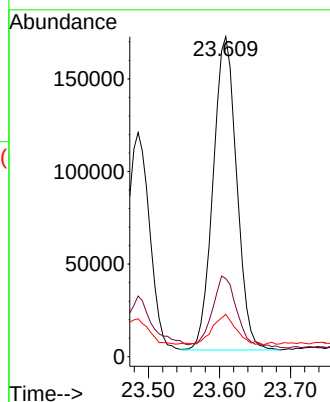
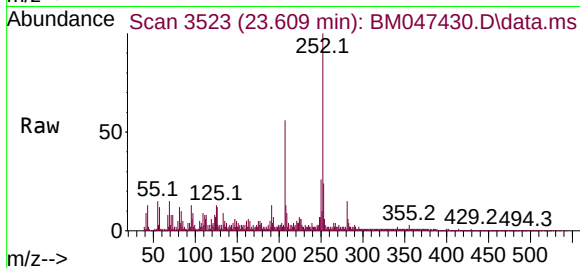
Tgt Ion:252 Resp: 389493

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 13.2 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 5.403 ng

RT: 27.691 min Scan# 4217

Delta R.T. 0.053 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Tgt Ion:276 Resp: 291130

Ion Ratio Lower Upper

276 100

277 26.8 19.4 29.0

138 19.5 15.0 22.6

