

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
 Data File : BM047302.D
 Acq On : 21 Aug 2024 17:45
 Operator : RC/JU
 Sample : P3617-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-0-10

Quant Time: Aug 22 02:35:59 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)

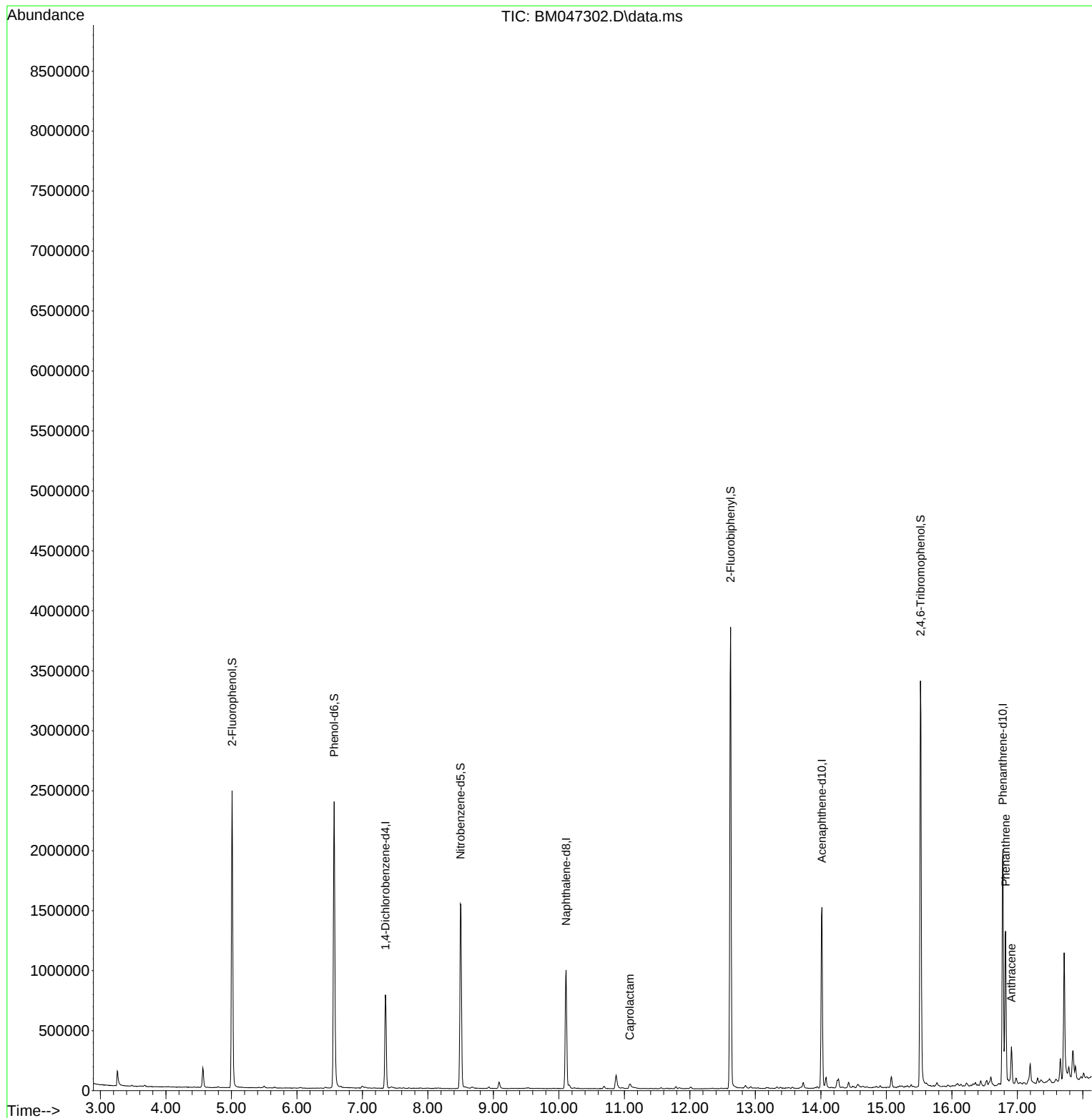
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	215530	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	810296	20.000	ng	-0.02
39) Acenaphthene-d10	14.015	164	544763	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1205417	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	1111666	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1068450	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1056819	87.615	ng	-0.01
7) Phenol-d6	6.569	99	1396343	84.013	ng	-0.02
23) Nitrobenzene-d5	8.498	82	936735	58.210	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	660100	104.502	ng	-0.02
45) 2-Fluorobiphenyl	12.621	172	2050724	58.067	ng	-0.02
79) Terphenyl-d14	19.444	244	3386206	65.270	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	1628	Below Cal	#	77
35) Caprolactam	11.080	113	12899	2.978	ng	96
71) Phenanthrene	16.821	178	763022	12.613	ng	100
72) Anthracene	16.909	178	178568	3.034	ng	99
75) Fluoranthene	18.856	202	1256370	17.074	ng	100
78) Pyrene	19.221	202	1078975	13.593	ng	99
81) Benzo(a)anthracene	20.997	228	660627	8.952	ng	100
83) Chrysene	21.056	228	588182	8.400	ng	98
87) Indeno(1,2,3-cd)pyrene	26.697	276	301925	4.372	ng	96
88) Benzo(b)fluoranthene	22.868	252	726809	11.455	ng	99
89) Benzo(k)fluoranthene	22.868	252	726809	12.127	ng	98
90) Benzo(a)pyrene	23.585	252	479298	8.720	ng	95
92) Benzo(g,h,i)perylene	27.620	276	289627	4.991	ng	99

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

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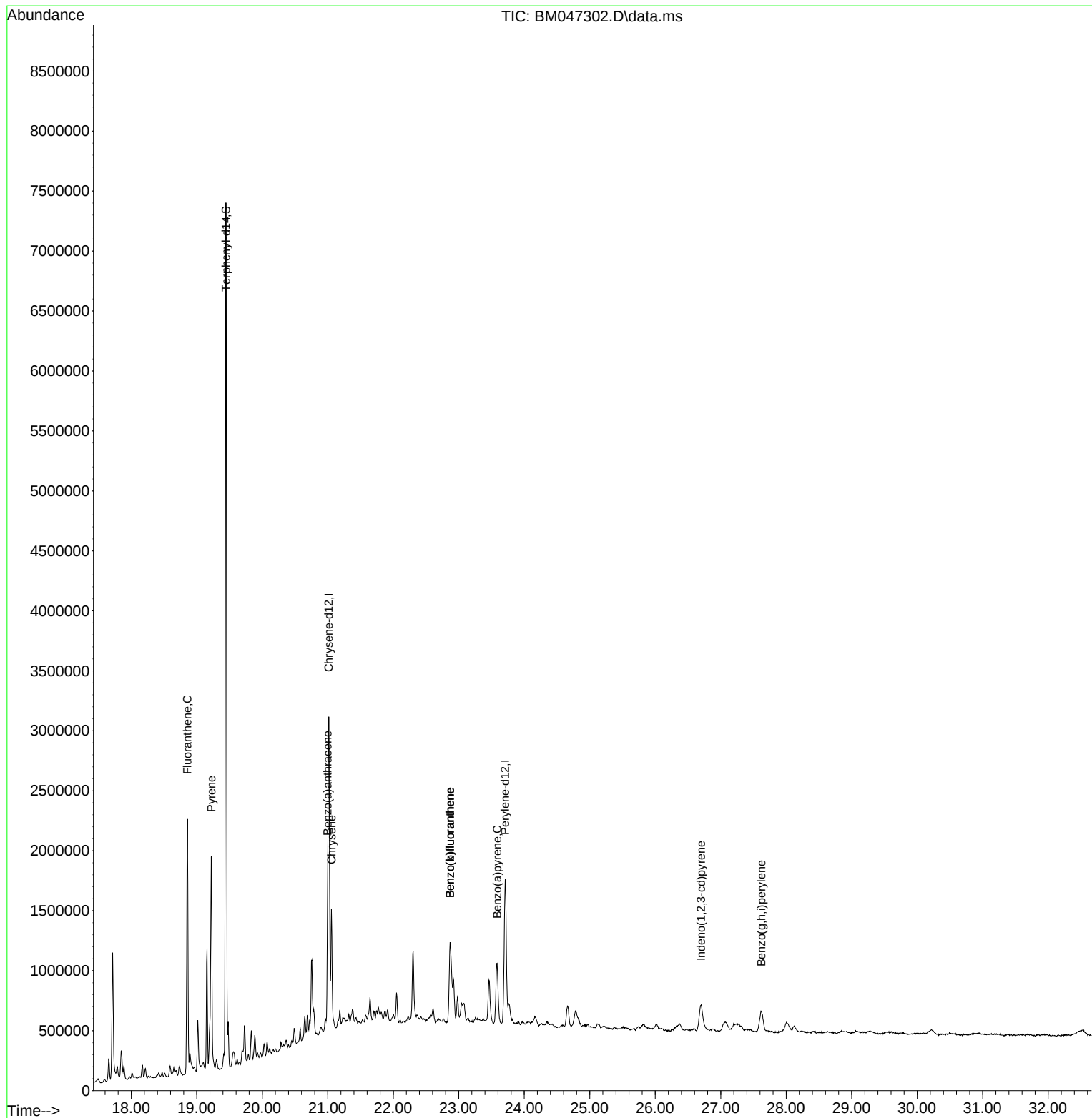
Quant Time: Aug 22 02:35:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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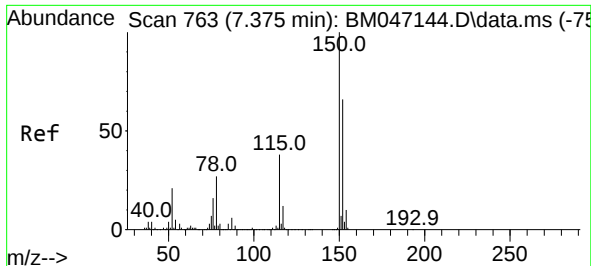


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
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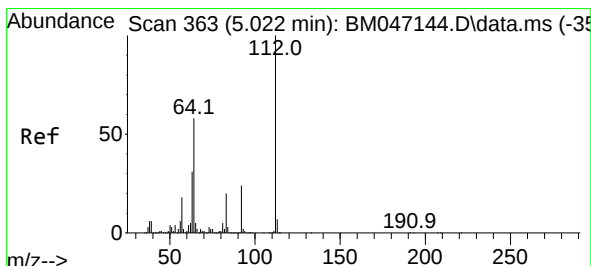
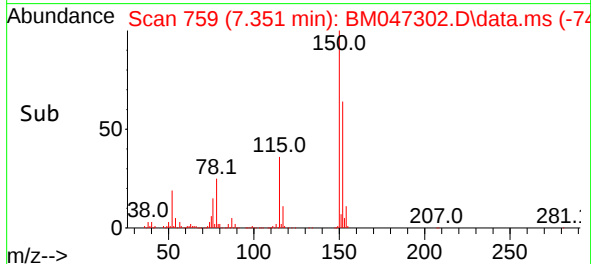
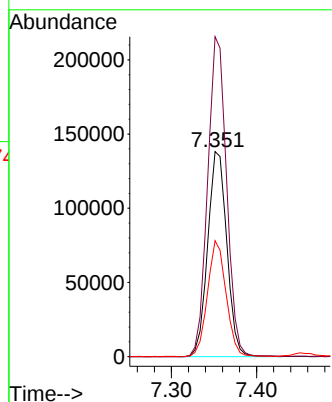
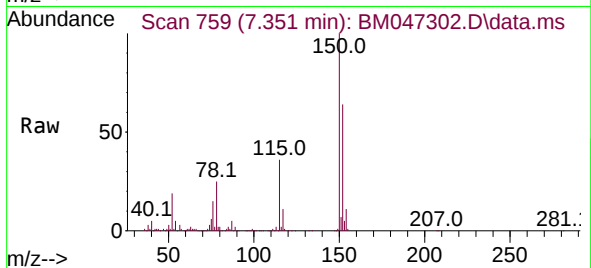




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.351 min Scan# 71
 Delta R.T. -0.024 min
 Lab File: BM047302.D
 Acq: 21 Aug 2024 17:45

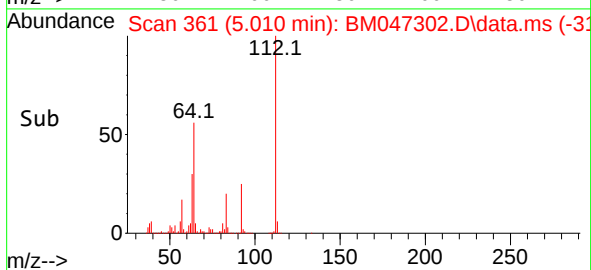
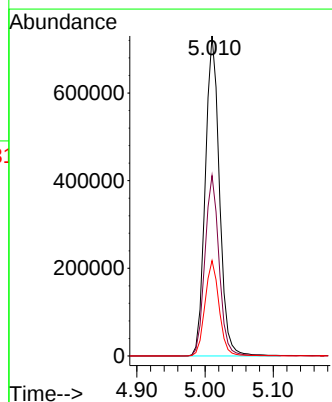
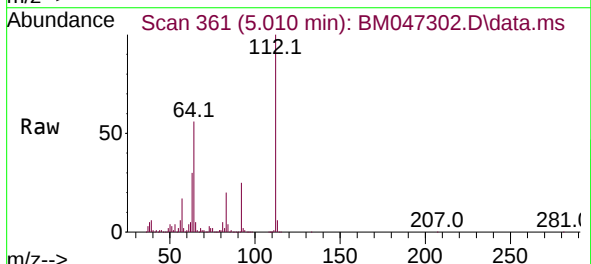
Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-0-10

Tgt Ion:152 Resp: 215530
 Ion Ratio Lower Upper
 152 100
 150 156.0 120.5 180.7
 115 56.6 45.5 68.3



#5
 2-Fluorophenol
 Concen: 87.615 ng
 RT: 5.010 min Scan# 361
 Delta R.T. -0.012 min
 Lab File: BM047302.D
 Acq: 21 Aug 2024 17:45

Tgt Ion:112 Resp: 1056819
 Ion Ratio Lower Upper
 112 100
 64 56.4 46.7 70.1
 63 29.8 24.8 37.2

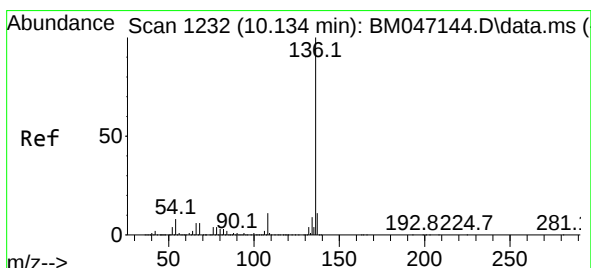
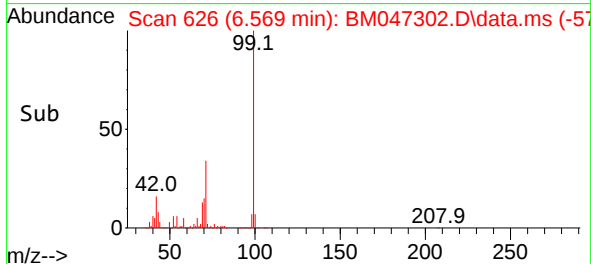
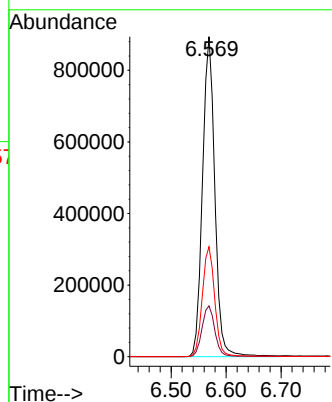
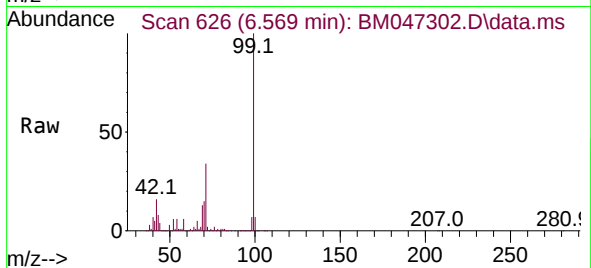




#7
Phenol-d6
Concen: 84.013 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

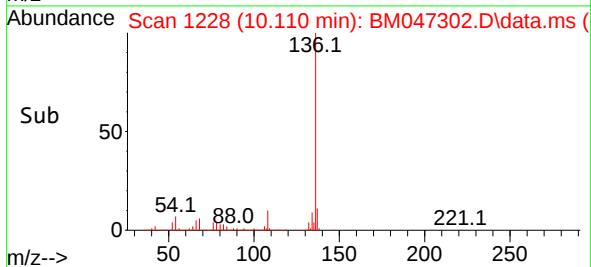
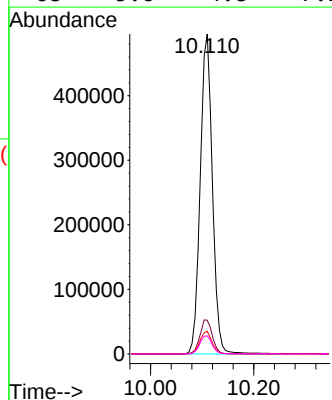
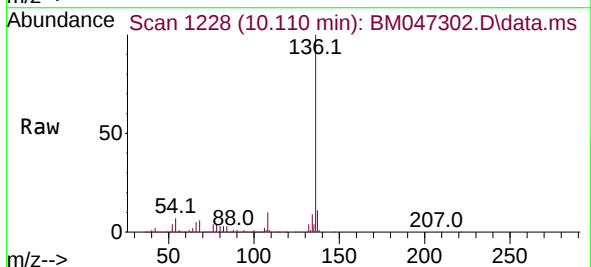
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10

Tgt Ion: 99 Resp: 1396343
Ion Ratio Lower Upper
99 100
42 15.9 14.1 21.1
71 34.4 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion: 136 Resp: 810296
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.1 6.0 9.0
68 5.6 4.8 7.2

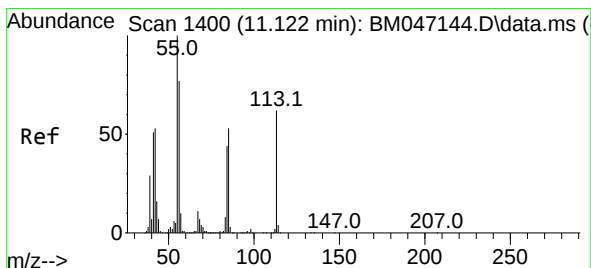
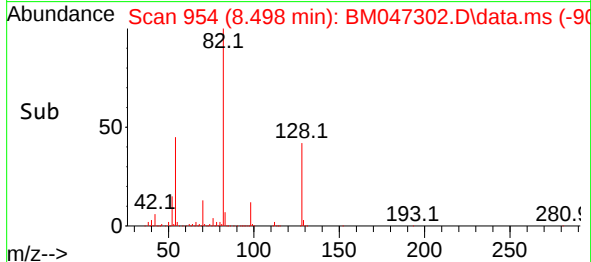
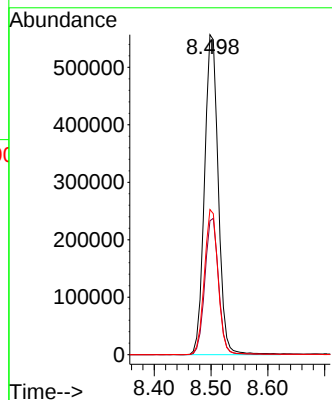
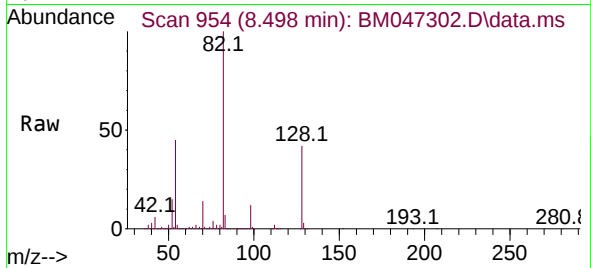




#23
Nitrobenzene-d5
Concen: 58.210 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

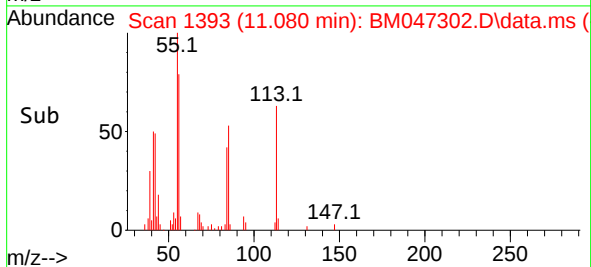
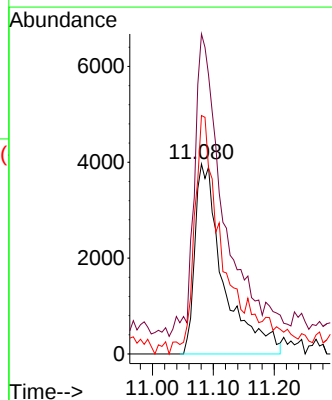
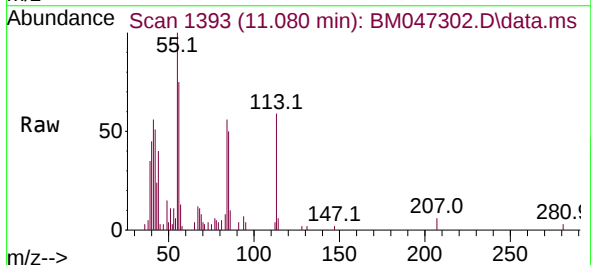
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10

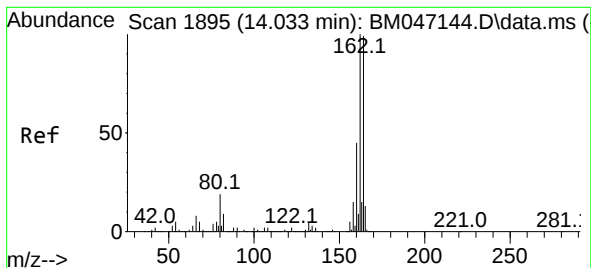
Tgt Ion: 82 Resp: 936735
Ion Ratio Lower Upper
82 100
128 41.8 32.3 48.5
54 45.3 37.4 56.2



#35
Caprolactam
Concen: 2.978 ng
RT: 11.080 min Scan# 1393
Delta R.T. -0.041 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion: 113 Resp: 12899
Ion Ratio Lower Upper
113 100
55 168.5 140.5 180.5
56 125.5 103.6 143.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.015 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM047302.D

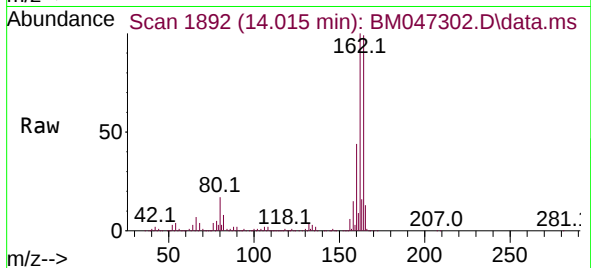
Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10



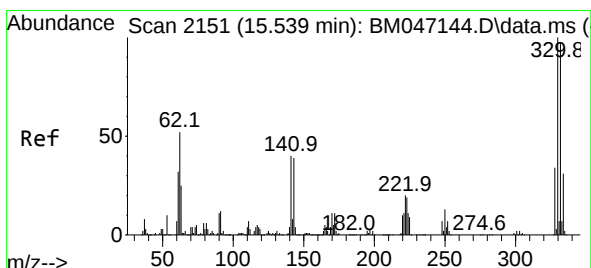
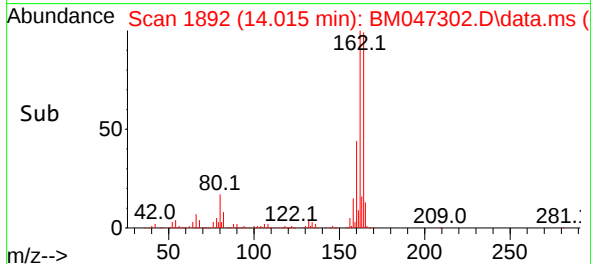
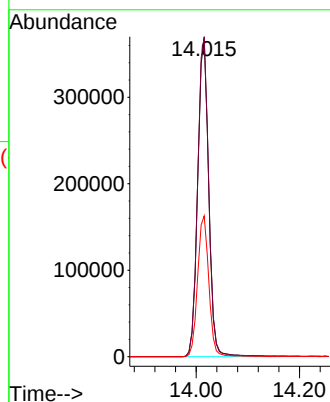
Tgt Ion:164 Resp: 544763

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

160 44.3 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 104.502 ng

RT: 15.521 min Scan# 2148

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

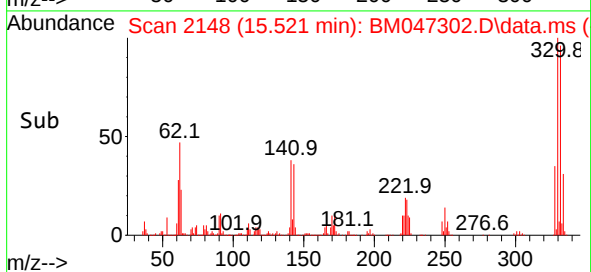
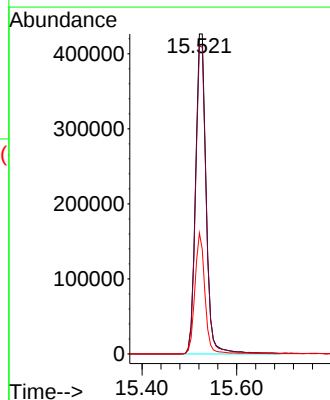
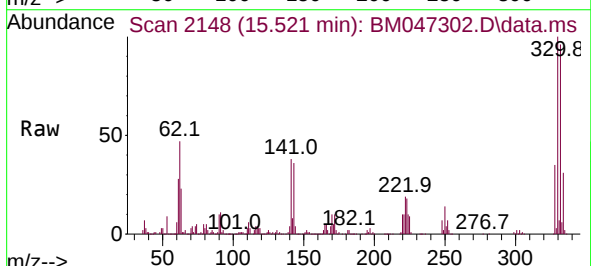
Tgt Ion:330 Resp: 660100

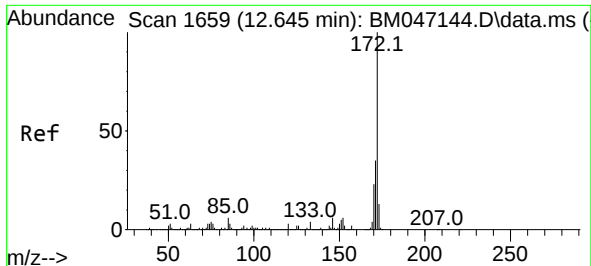
Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

141 36.2 31.6 47.4

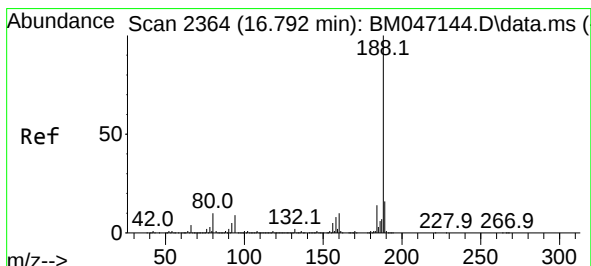
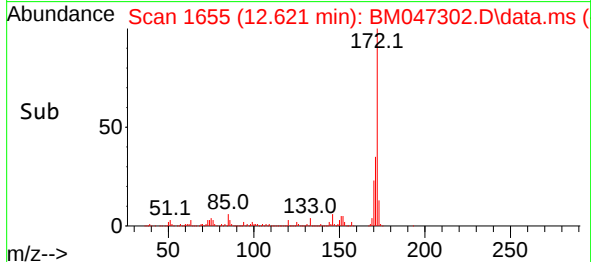
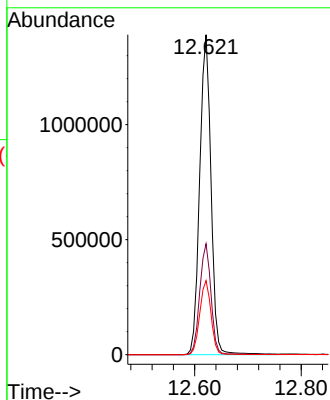
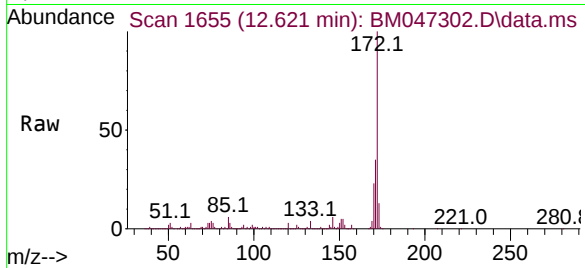




#45
2-Fluorobiphenyl
Concen: 58.067 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

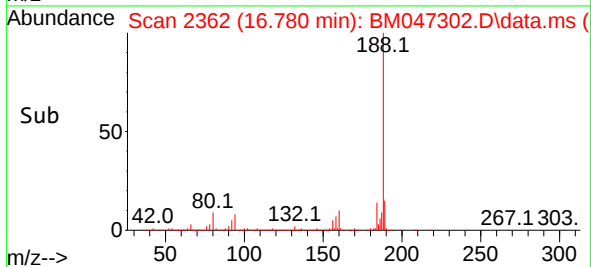
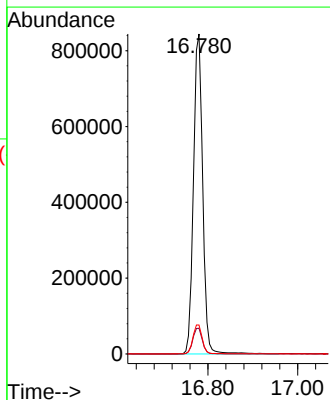
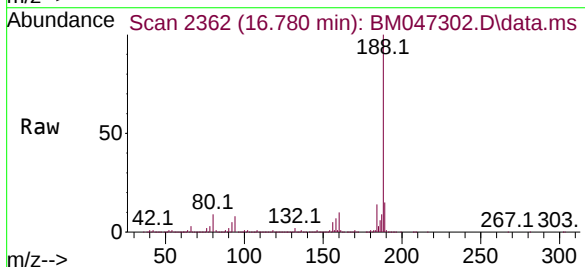
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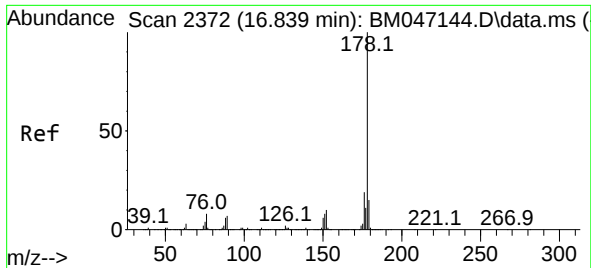
Tgt Ion:172 Resp: 2050724
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.7 28.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:188 Resp: 1205417
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 9.1 8.0 12.0

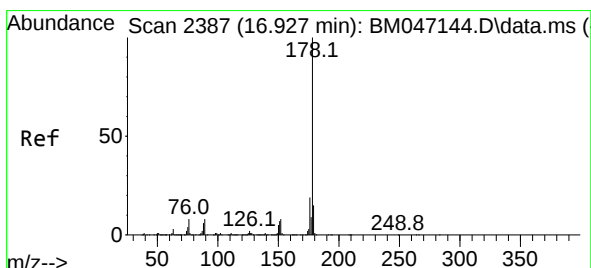
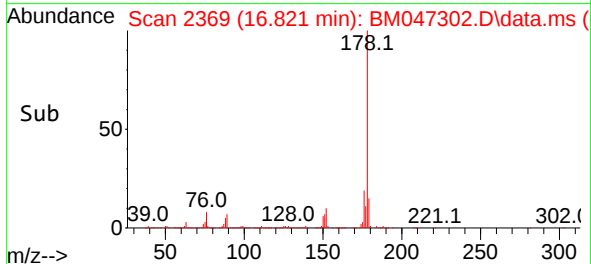
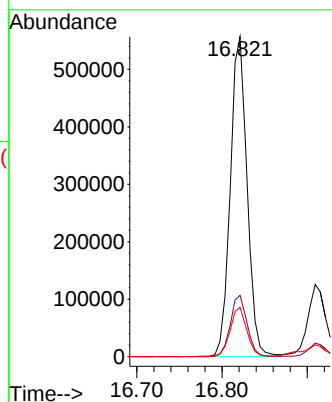
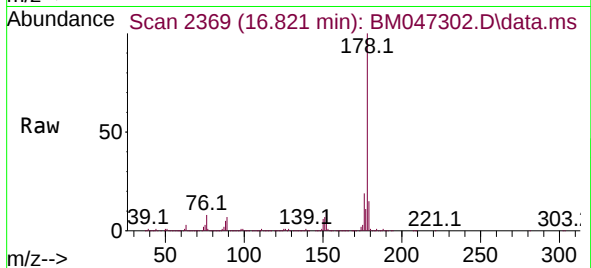




#71
Phenanthrene
Concen: 12.613 ng
RT: 16.821 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

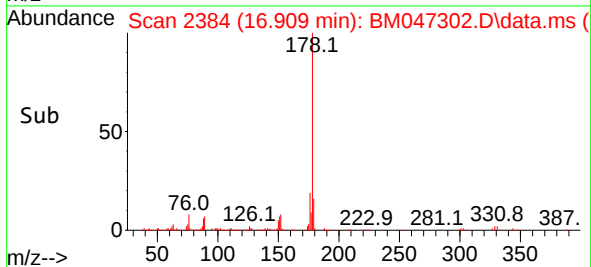
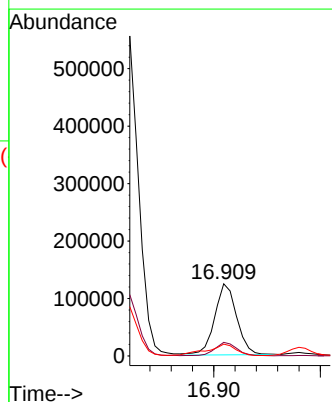
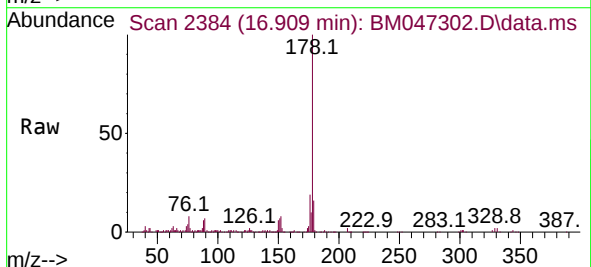
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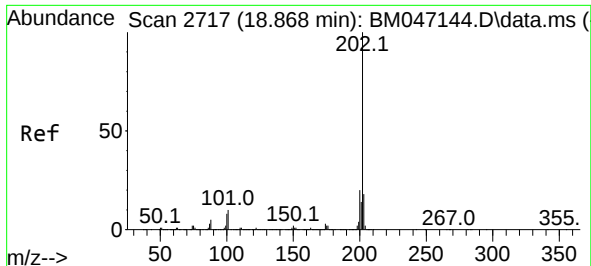
Tgt Ion:178 Resp: 763022
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 3.034 ng
RT: 16.909 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:178 Resp: 178568
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 16.4 12.4 18.6

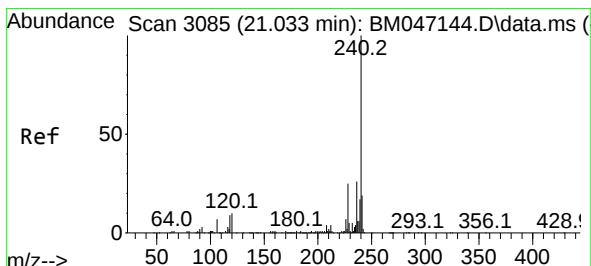
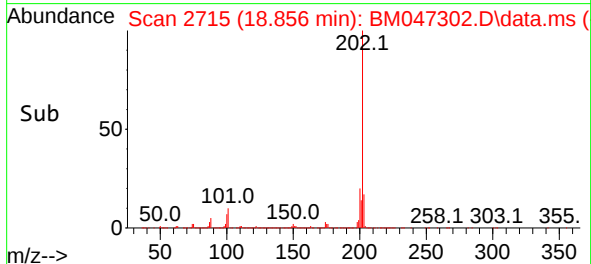
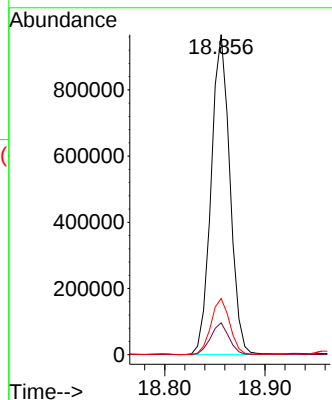
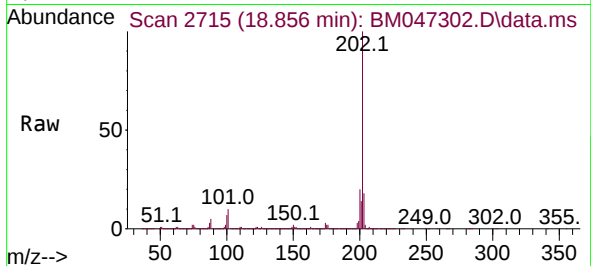




#75
Fluoranthene
Concen: 17.074 ng
RT: 18.856 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

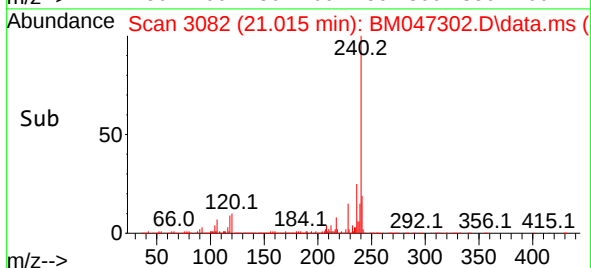
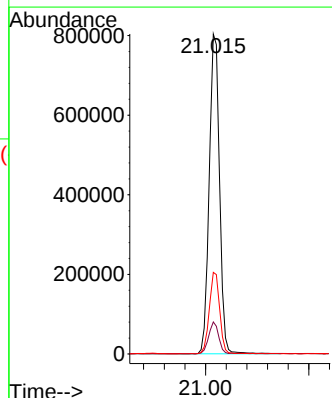
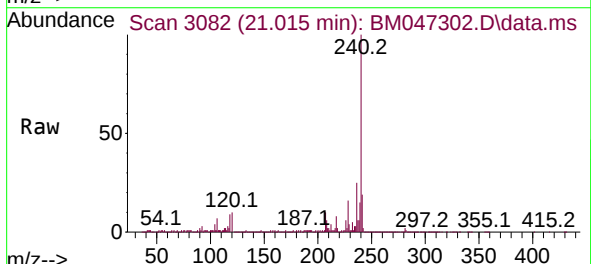
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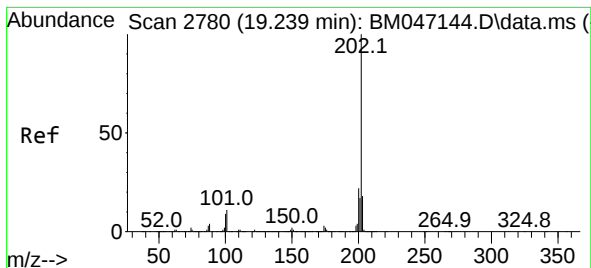
Tgt Ion:202 Resp: 1256370
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:240 Resp: 1111666
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.5 20.6 30.8





#78

Pyrene

Concen: 13.593 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

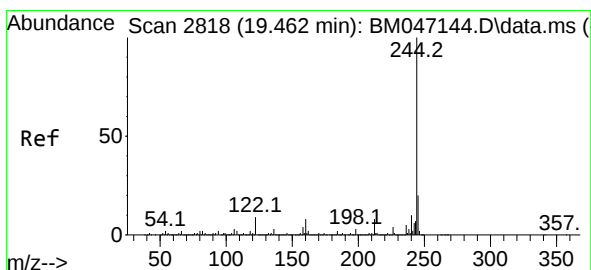
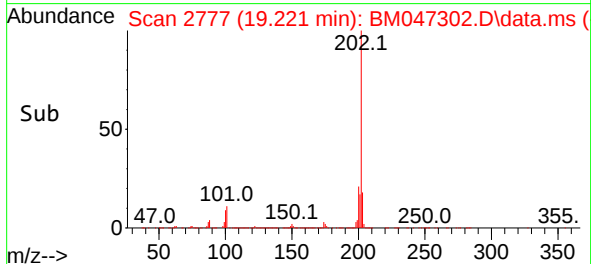
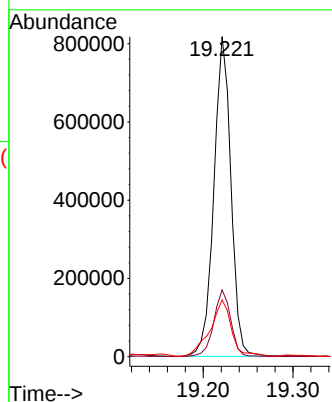
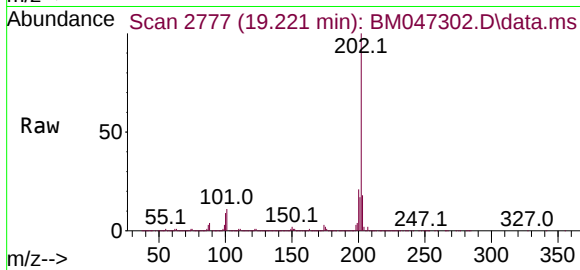
Tgt Ion:202 Resp: 1078975

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.7 14.2 21.2



#79

Terphenyl-d14

Concen: 65.270 ng

RT: 19.444 min Scan# 2815

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

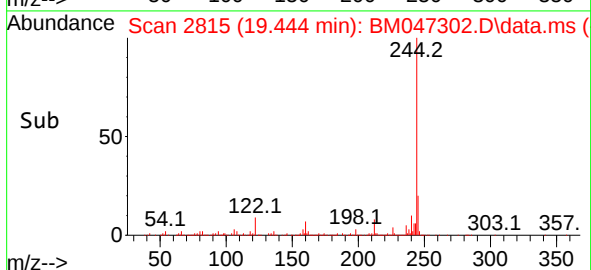
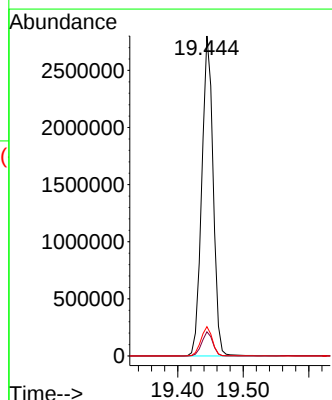
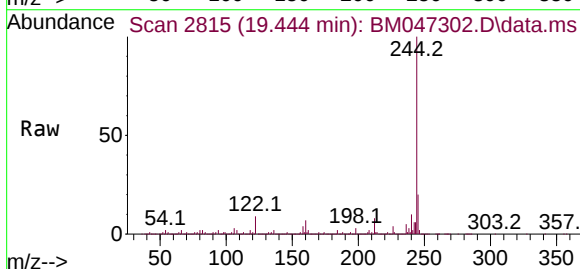
Tgt Ion:244 Resp: 3386206

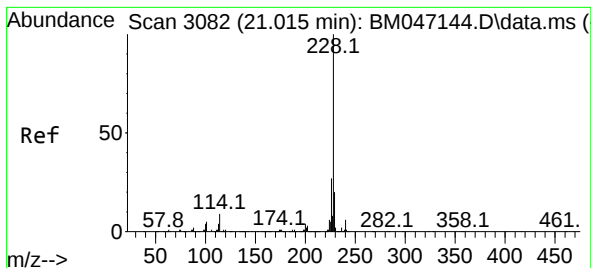
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.2 7.1 10.7





#81

Benzo(a)anthracene

Concen: 8.952 ng

RT: 20.997 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

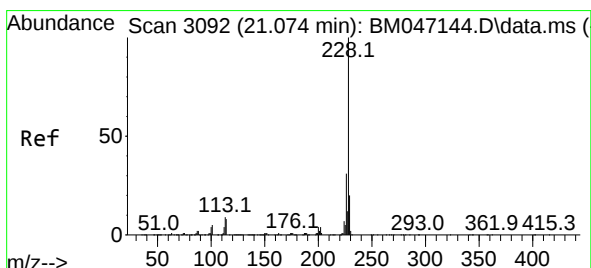
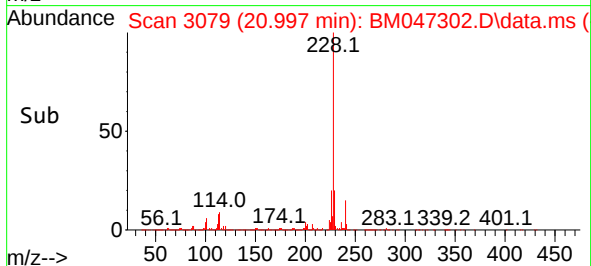
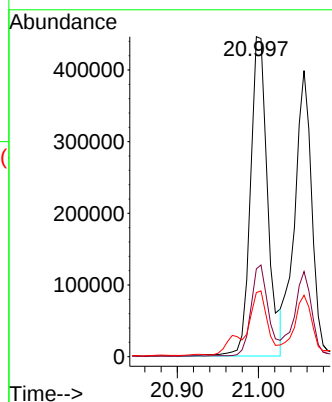
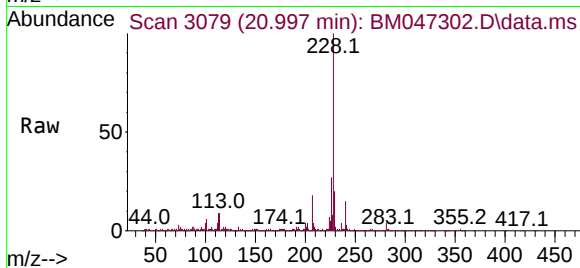
Tgt Ion:228 Resp: 660627

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.6

229 20.0 15.8 23.8



#83

Chrysene

Concen: 8.400 ng

RT: 21.056 min Scan# 3089

Delta R.T. -0.018 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

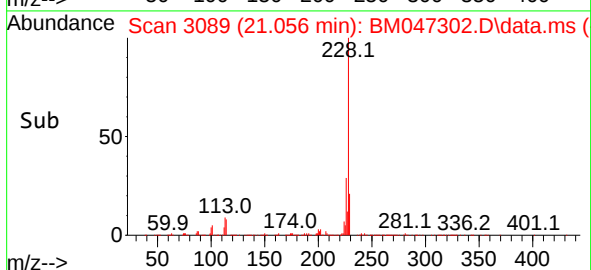
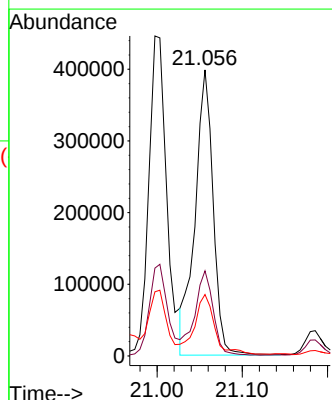
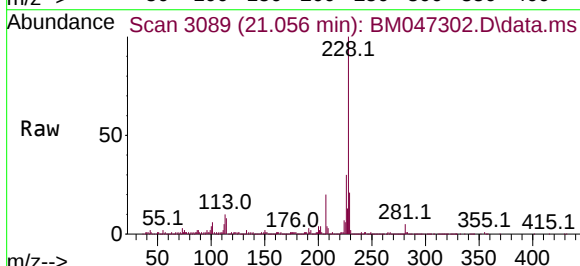
Tgt Ion:228 Resp: 588182

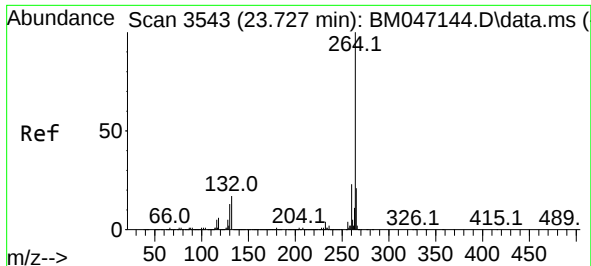
Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 21.5 15.7 23.5



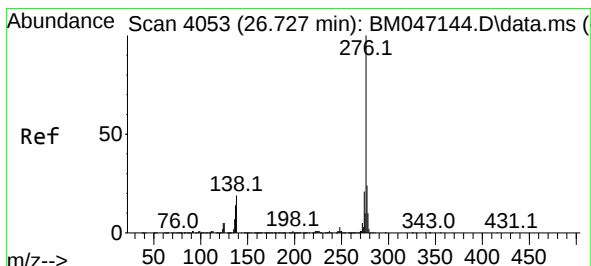
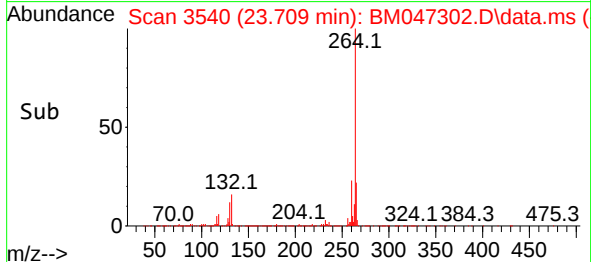
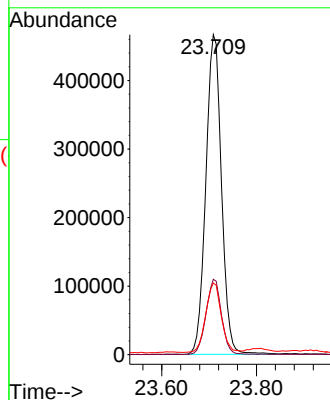
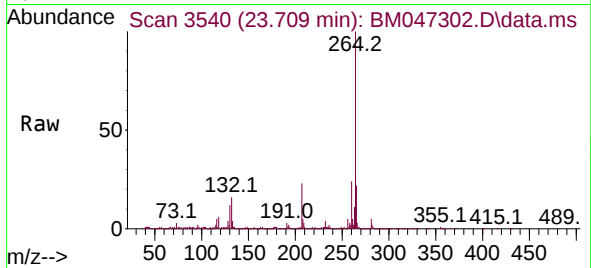


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10

Tgt Ion:264 Resp: 1068450

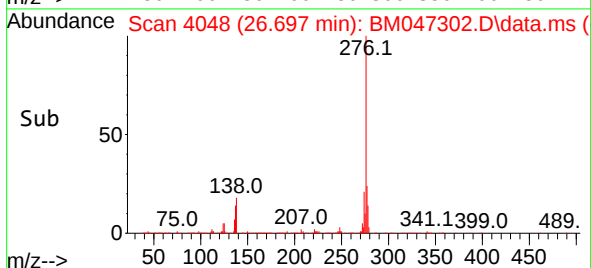
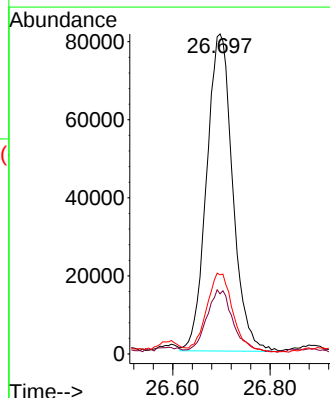
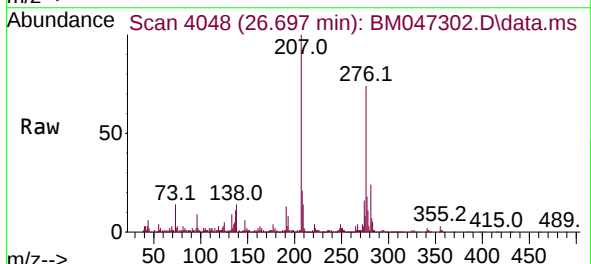
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.4	17.3	25.9

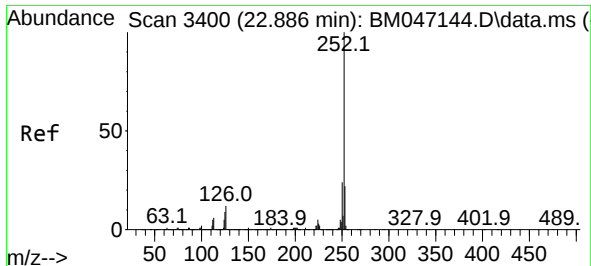


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.372 ng
RT: 26.697 min Scan# 4048
Delta R.T. -0.030 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:276 Resp: 301925

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.4	29.0
277	24.8	20.1	30.1

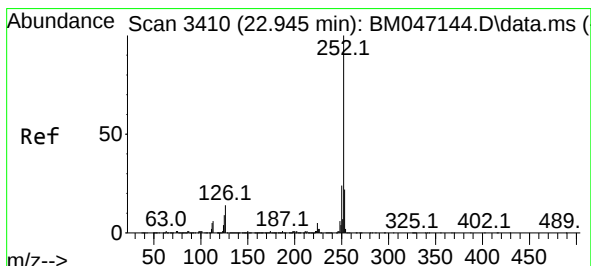
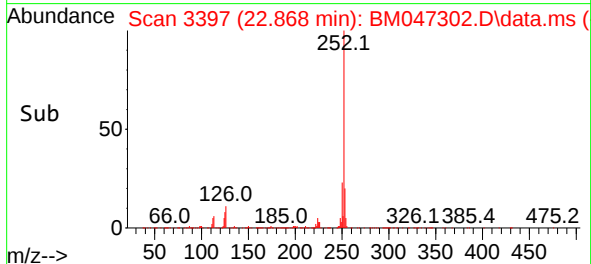
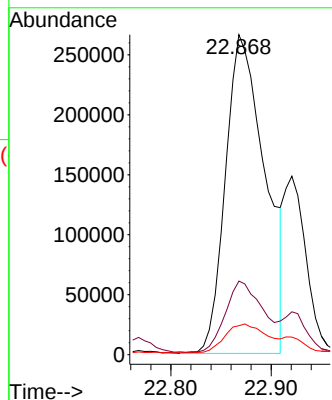
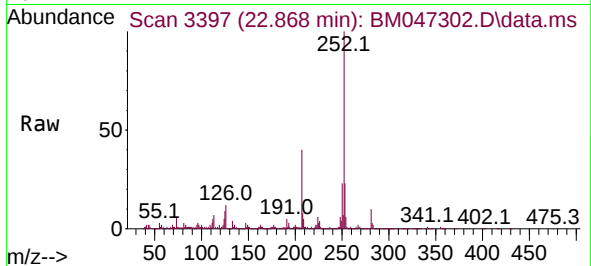




#88
Benzo(b)fluoranthene
Concen: 11.455 ng
RT: 22.868 min Scan# 3397
Delta R.T. -0.018 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

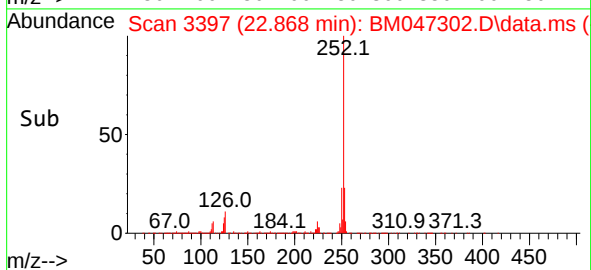
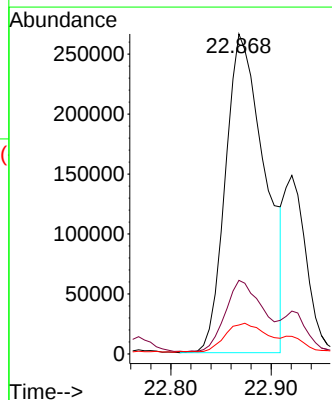
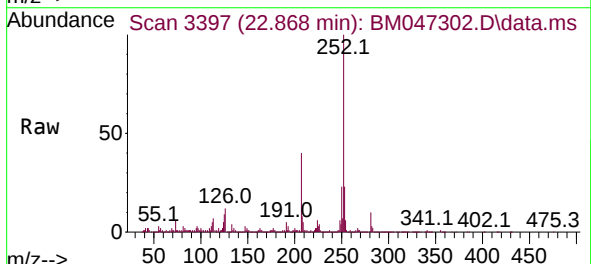
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-0-10

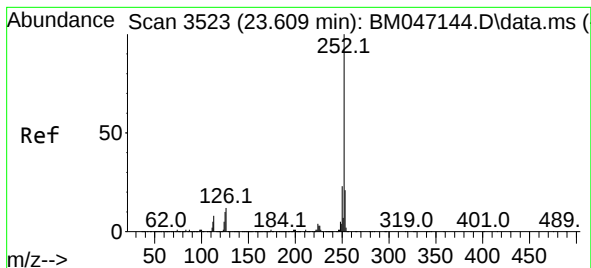
Tgt Ion:252 Resp: 726809
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 9.0 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 12.127 ng
RT: 22.868 min Scan# 3397
Delta R.T. -0.077 min
Lab File: BM047302.D
Acq: 21 Aug 2024 17:45

Tgt Ion:252 Resp: 726809
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 8.720 ng

RT: 23.585 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-0-10

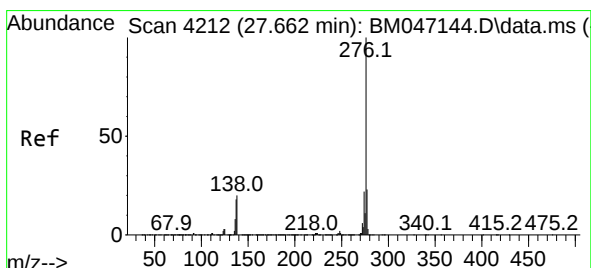
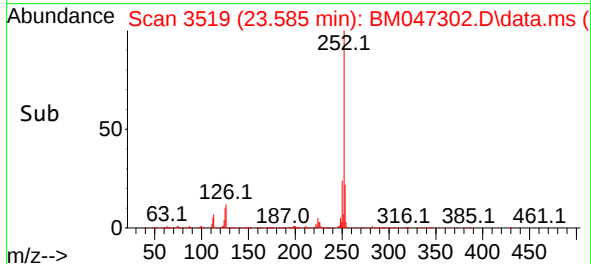
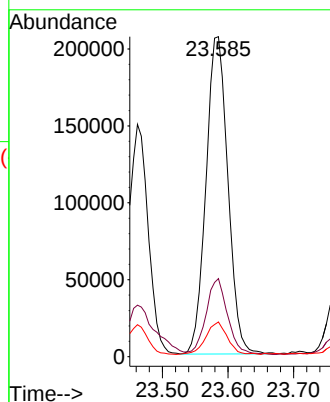
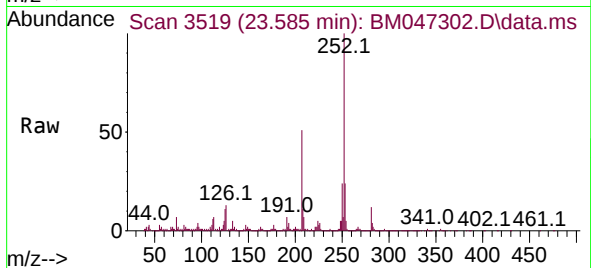
Tgt Ion:252 Resp: 479298

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 10.8 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 4.991 ng

RT: 27.620 min Scan# 4205

Delta R.T. -0.041 min

Lab File: BM047302.D

Acq: 21 Aug 2024 17:45

Tgt Ion:276 Resp: 289627

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 20.5 16.2 24.4

