

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
 Data File : BM047287.D
 Acq On : 21 Aug 2024 02:12
 Operator : RC/JU
 Sample : P3643-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 921-J-SD-0-0.5-081524

Quant Time: Aug 21 03:15:16 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)

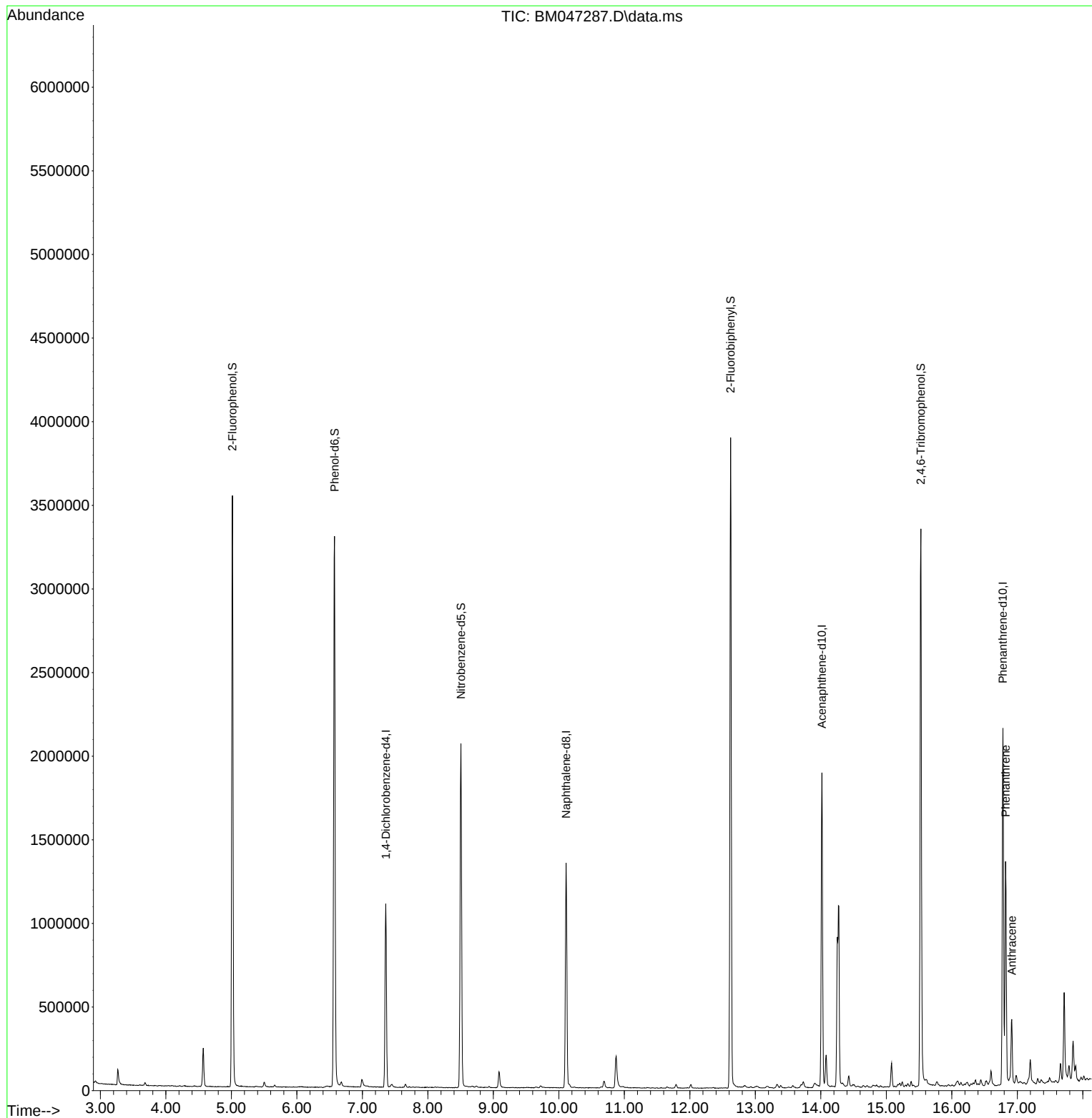
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	300622	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1076507	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	659428	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1261139	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	985648	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1079567	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1500360	89.179	ng	0.00
7) Phenol-d6	6.575	99	1913346	82.535	ng	-0.01
23) Nitrobenzene-d5	8.504	82	1171343	54.789	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	639259	83.605	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	2078634	48.623	ng	-0.02
79) Terphenyl-d14	19.445	244	2448517	53.230	ng	-0.02
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.534	77	314	Below Cal	#	56
71) Phenanthrene	16.821	178	819414	12.947	ng	100
72) Anthracene	16.916	178	215078	3.492	ng	99
75) Fluoranthene	18.857	202	1078983	14.016	ng	100
78) Pyrene	19.221	202	891888	12.673	ng	99
81) Benzo(a)anthracene	21.004	228	420116	6.421	ng	98
83) Chrysene	21.056	228	367416	5.918	ng	97
87) Indeno(1,2,3-cd)pyrene	26.697	276	196686	2.819	ng	97
88) Benzo(b)fluoranthene	22.868	252	422022	6.583	ng	99
89) Benzo(k)fluoranthene	22.868	252	422022	6.969	ng	99
90) Benzo(a)pyrene	23.586	252	321764	5.794	ng	99
92) Benzo(g,h,i)perylene	27.627	276	193597	3.302	ng	98

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

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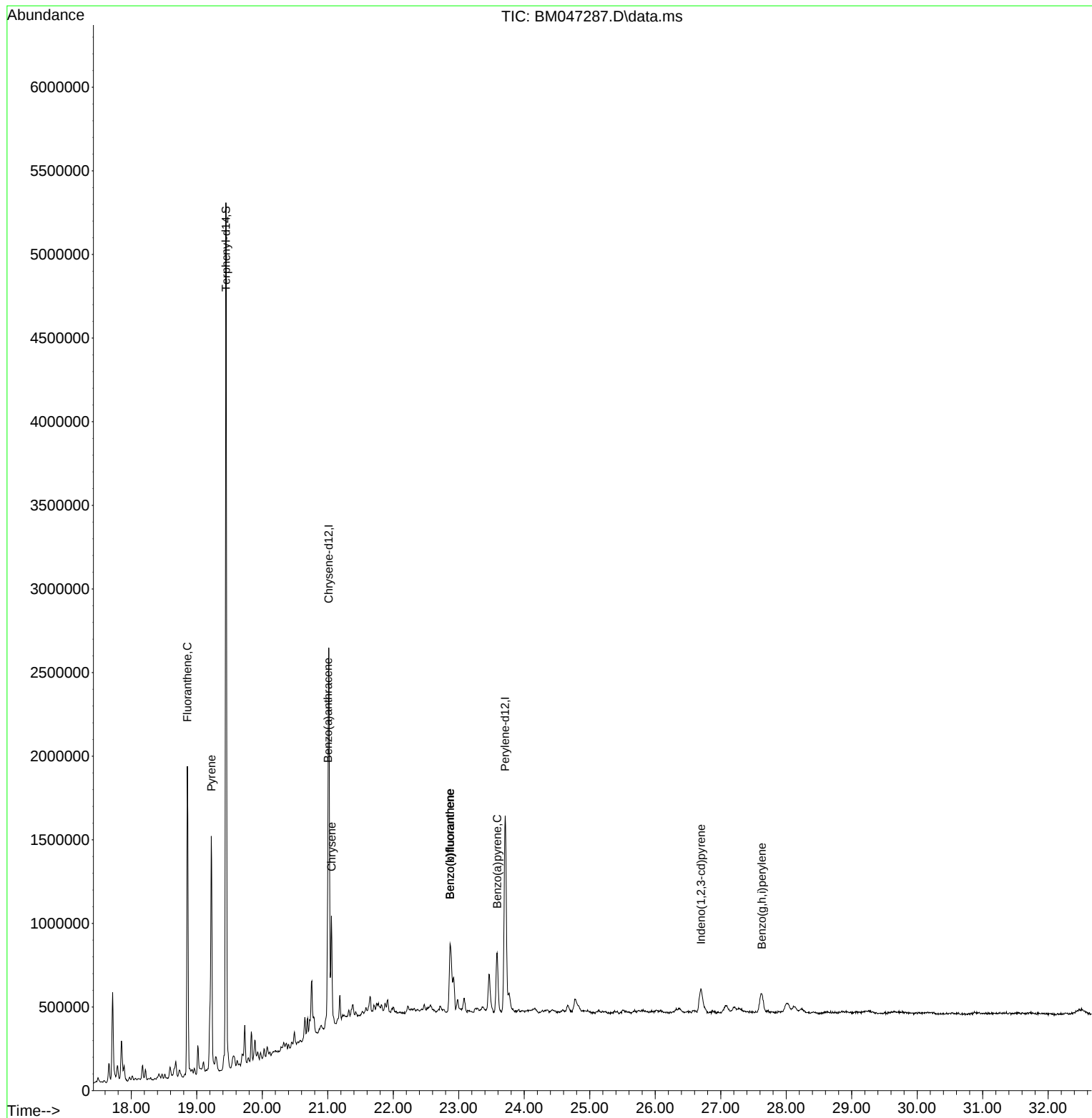
Quant Time: Aug 21 03:15:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
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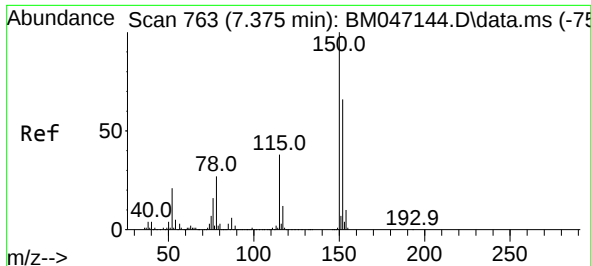


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
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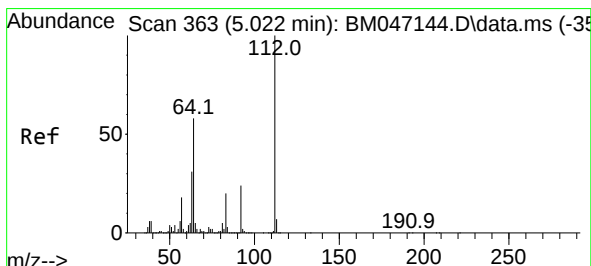
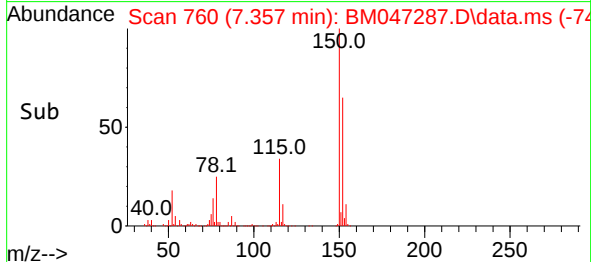
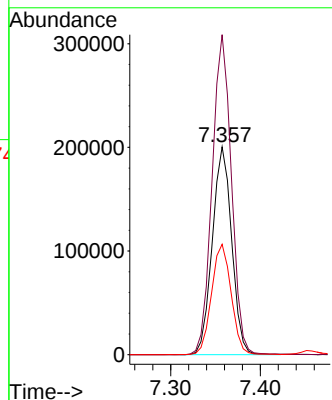
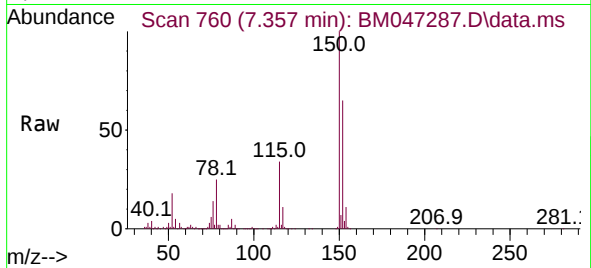




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 760
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

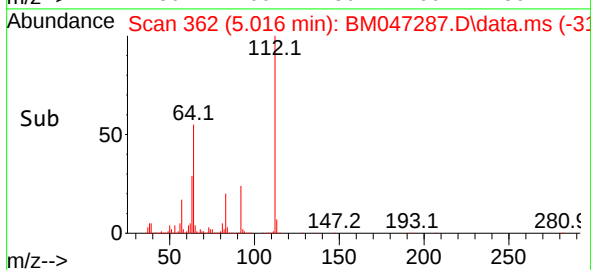
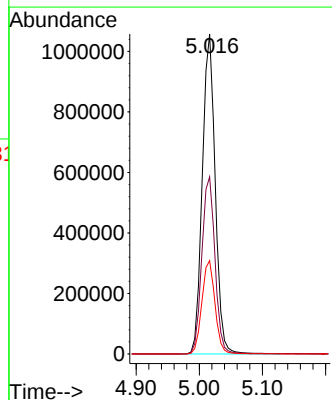
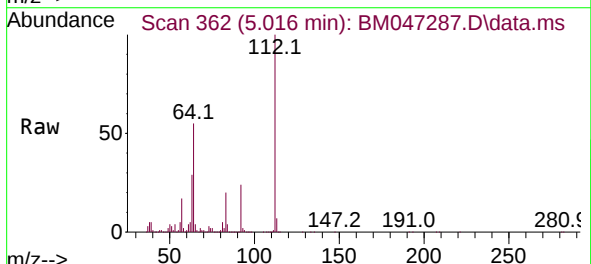
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524

Tgt Ion:152 Resp: 300622
Ion Ratio Lower Upper
152 100
150 153.9 120.5 180.7
115 53.1 45.5 68.3



#5
2-Fluorophenol
Concen: 89.179 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

Tgt Ion:112 Resp: 1500360
Ion Ratio Lower Upper
112 100
64 55.4 46.7 70.1
63 29.2 24.8 37.2

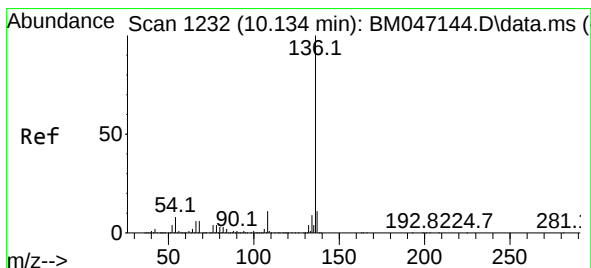
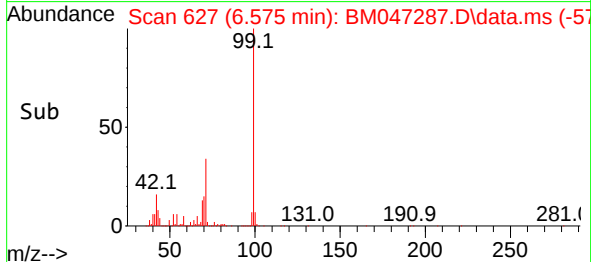
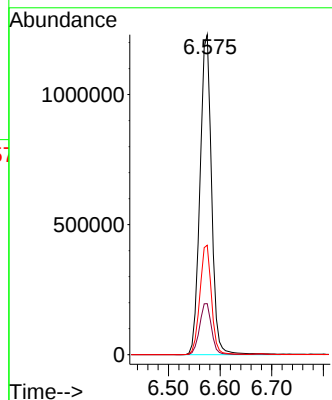
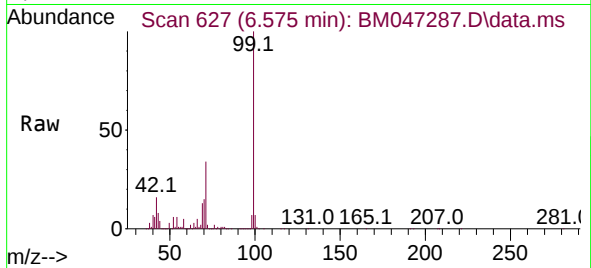




#7
Phenol-d6
Concen: 82.535 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

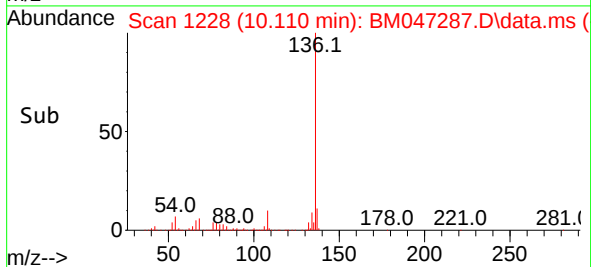
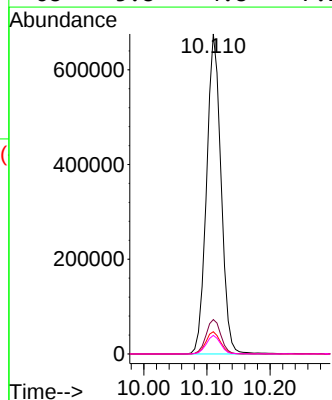
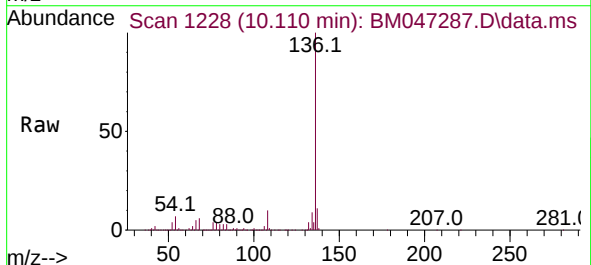
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524

Tgt Ion: 99 Resp: 1913346
Ion Ratio Lower Upper
99 100
42 16.0 14.1 21.1
71 34.2 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: BM047287.D
Acq: 21 Aug 2024 02:12

Tgt Ion: 136 Resp: 1076507
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 6.0 9.0
68 5.8 4.8 7.2

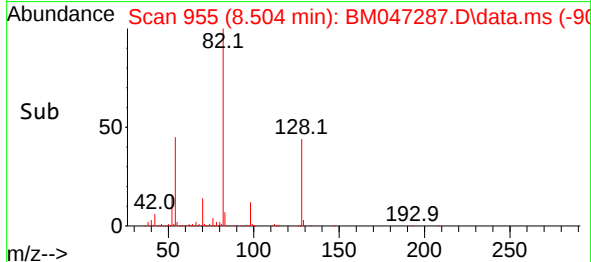
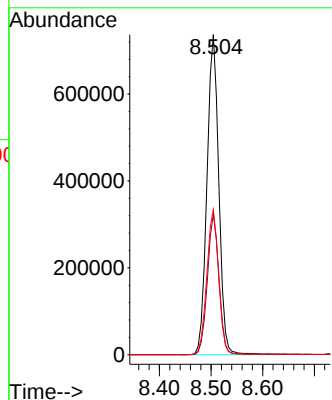
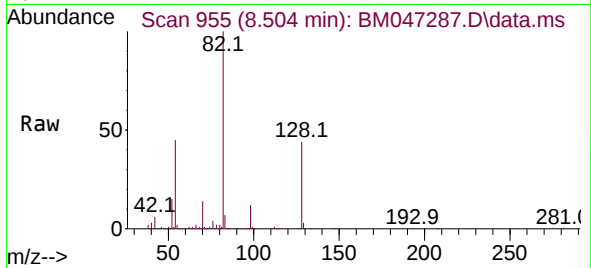




#23
Nitrobenzene-d5
Concen: 54.789 ng
RT: 8.504 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

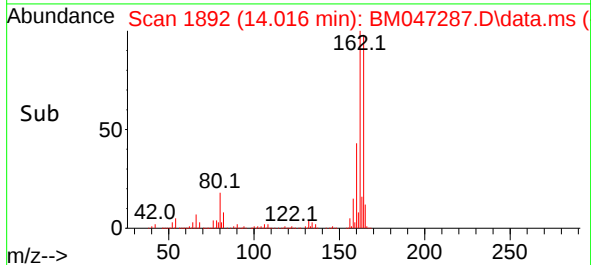
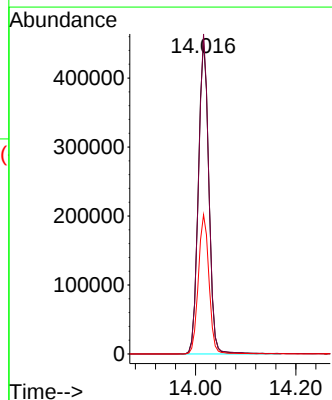
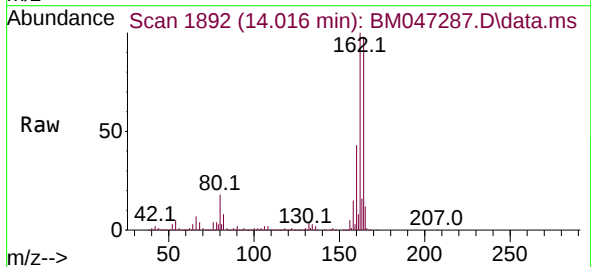
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524

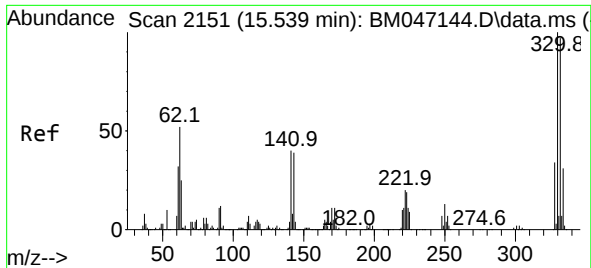
Tgt Ion: 82 Resp: 1171343
Ion Ratio Lower Upper
82 100
128 44.0 32.3 48.5
54 45.3 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

Tgt Ion: 164 Resp: 659428
Ion Ratio Lower Upper
164 100
162 102.1 80.7 121.1
160 44.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 83.605 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

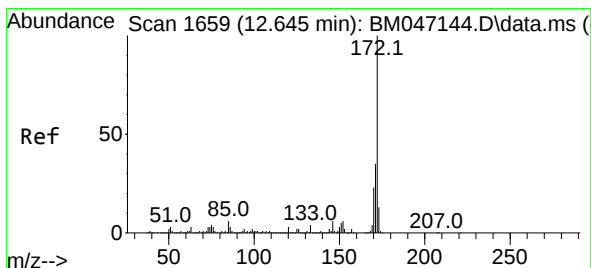
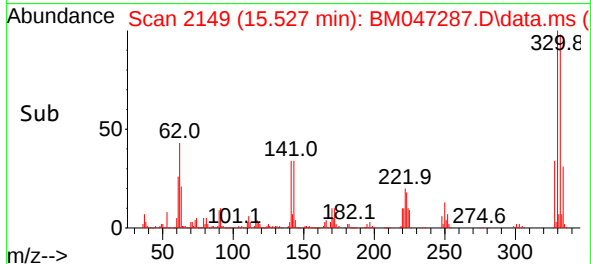
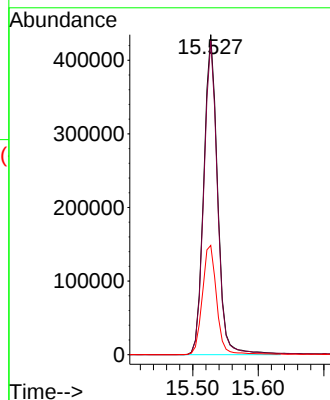
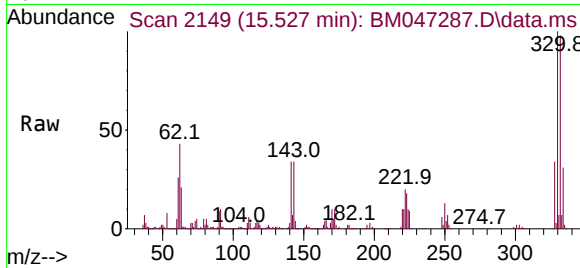
Tgt Ion:330 Resp: 639259

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

141 35.7 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 48.623 ng

RT: 12.622 min Scan# 1655

Delta R.T. -0.023 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

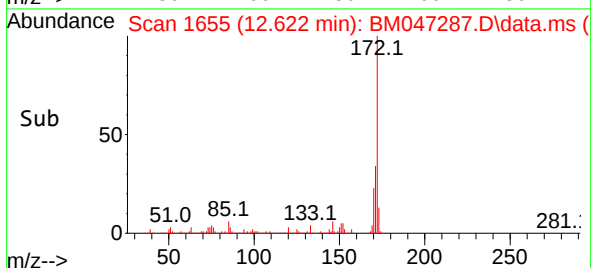
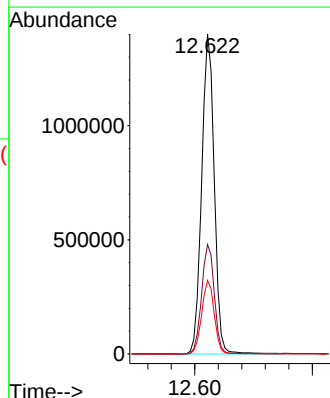
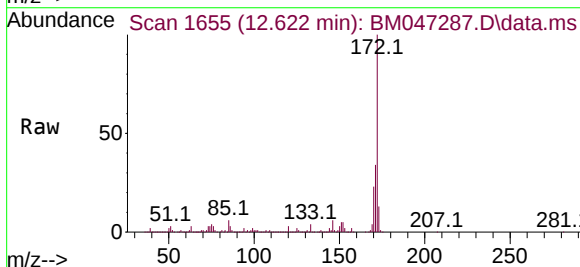
Tgt Ion:172 Resp: 2078634

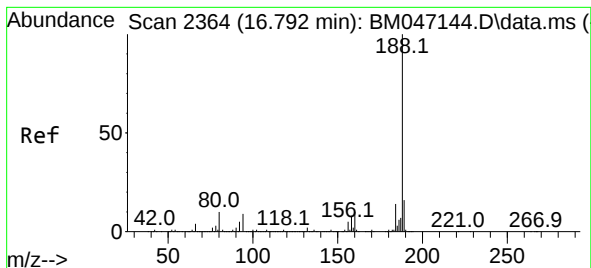
Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 23.0 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

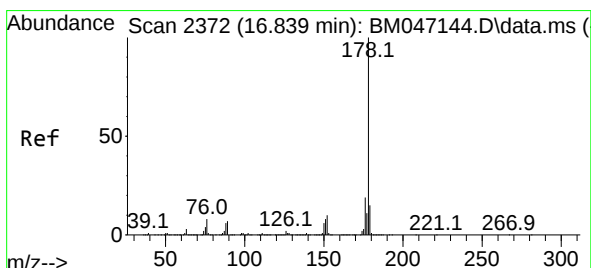
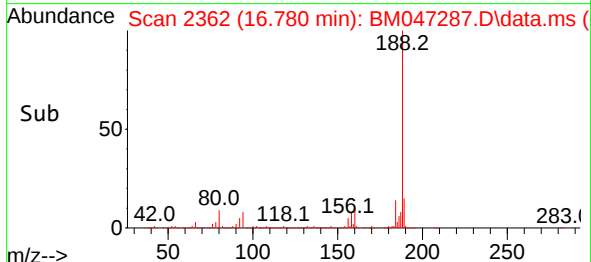
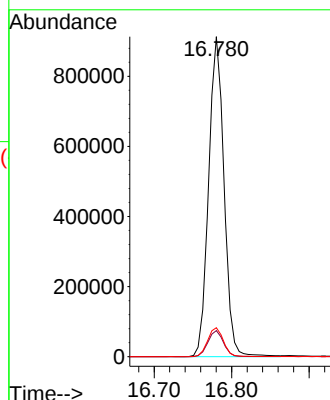
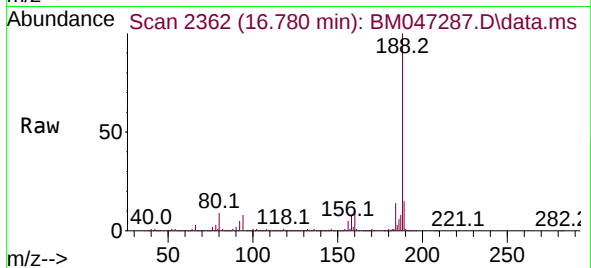
Tgt Ion:188 Resp: 1261139

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

80 9.0 8.0 12.0



#71

Phenanthrene

Concen: 12.947 ng

RT: 16.821 min Scan# 2369

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

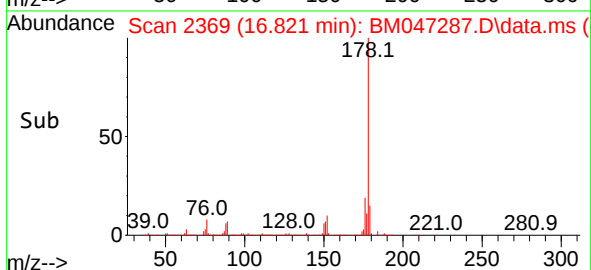
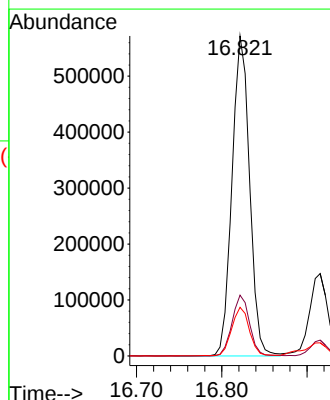
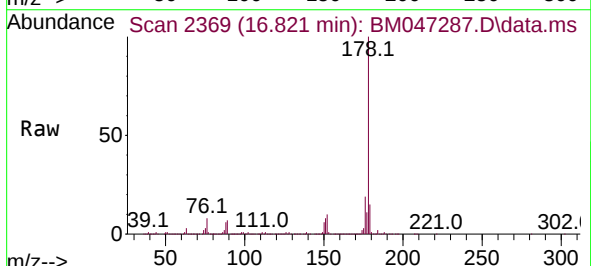
Tgt Ion:178 Resp: 819414

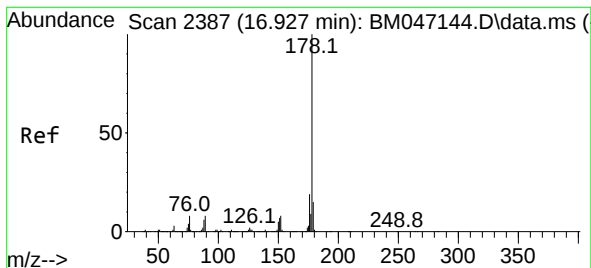
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.2 12.4 18.6





#72

Anthracene

Concen: 3.492 ng

RT: 16.916 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047287.D

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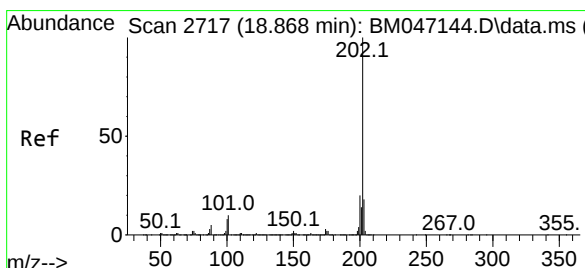
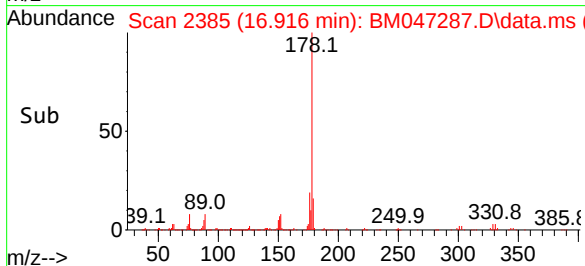
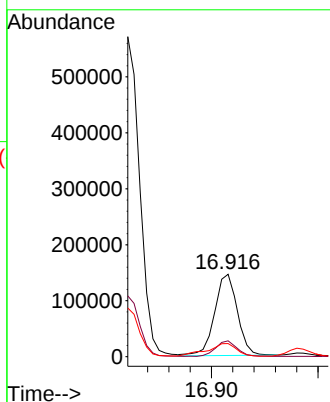
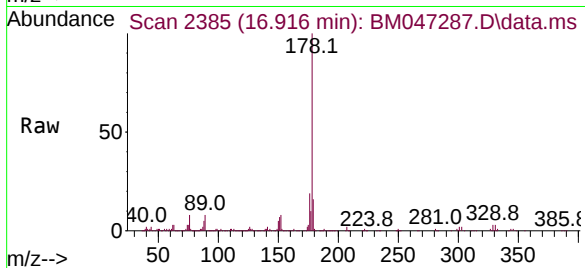
Tgt Ion:178 Resp: 215078

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 16.0 12.4 18.6



#75

Fluoranthene

Concen: 14.016 ng

RT: 18.857 min Scan# 2715

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

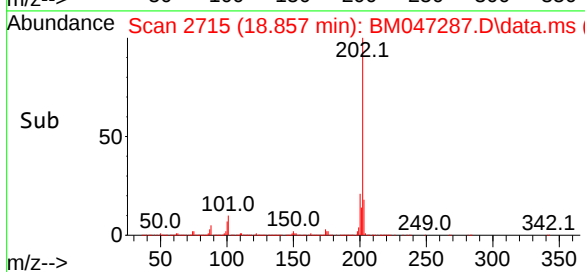
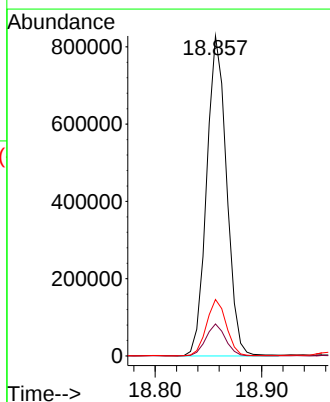
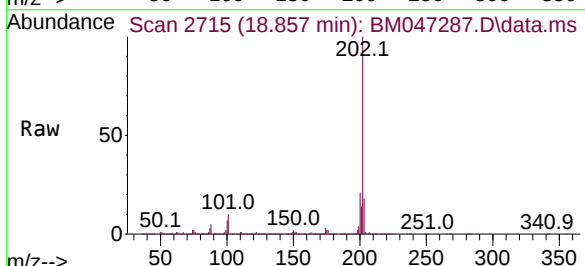
Tgt Ion:202 Resp: 1078983

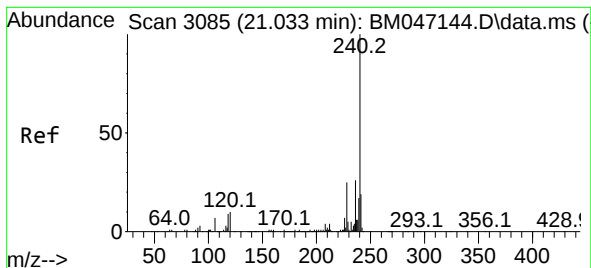
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3085

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

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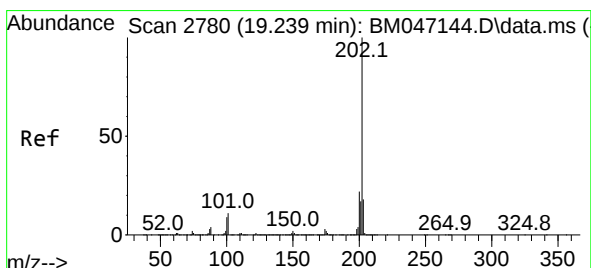
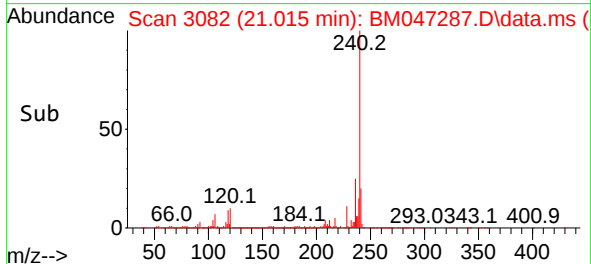
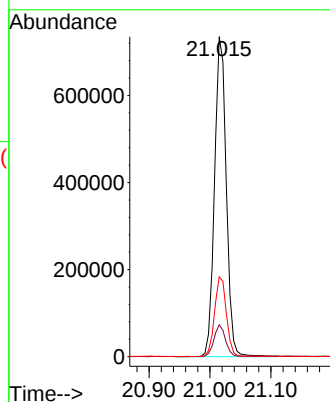
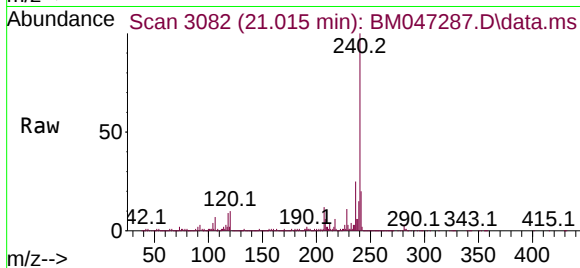
Tgt Ion:240 Resp: 985648

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.0 20.6 30.8



#78

Pyrene

Concen: 12.673 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

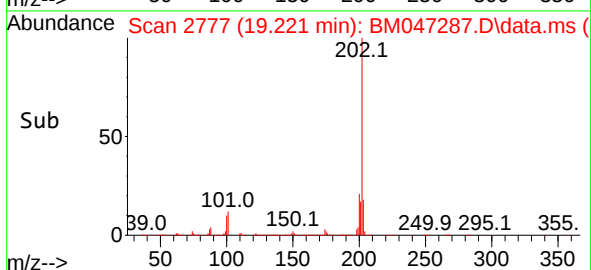
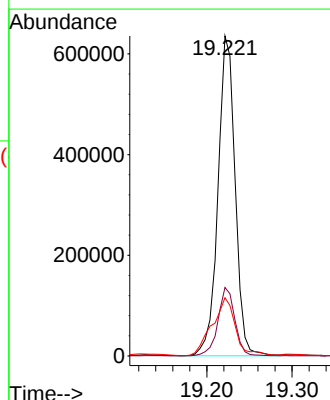
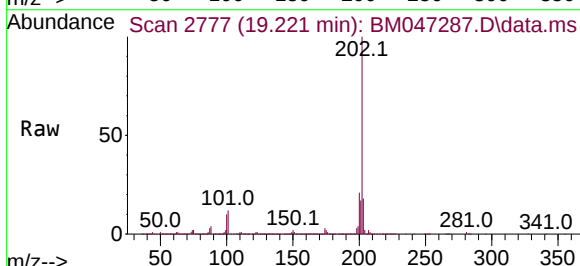
Tgt Ion:202 Resp: 891888

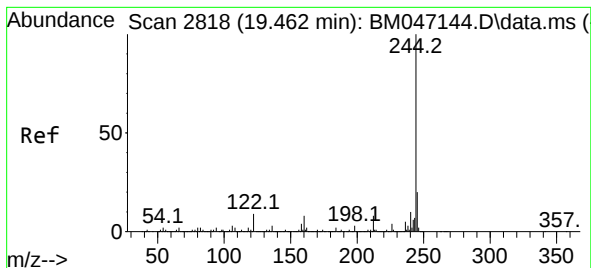
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 53.230 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

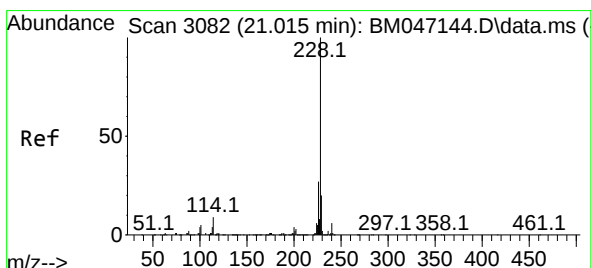
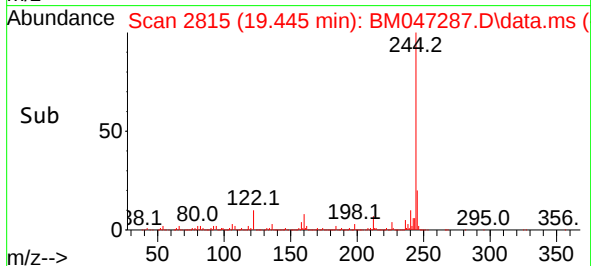
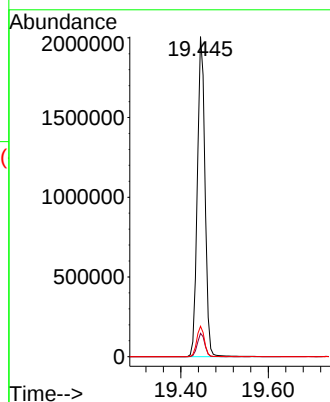
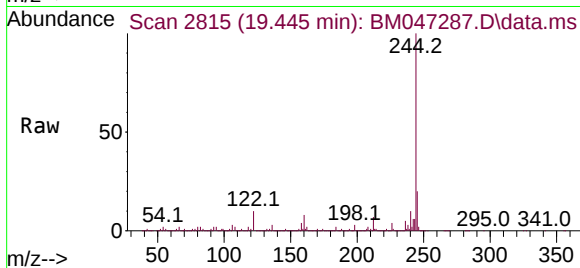
Tgt Ion:244 Resp: 2448517

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 9.5 7.1 10.7



#81

Benzo(a)anthracene

Concen: 6.421 ng

RT: 21.004 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

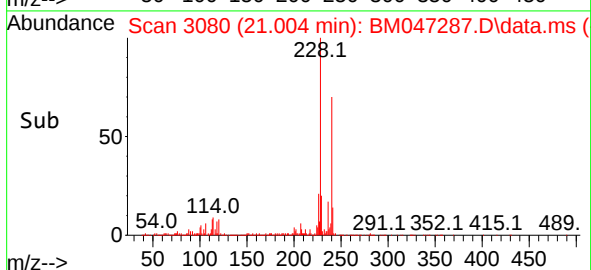
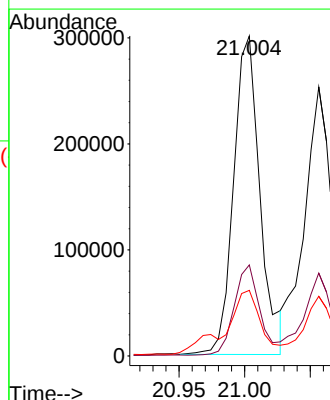
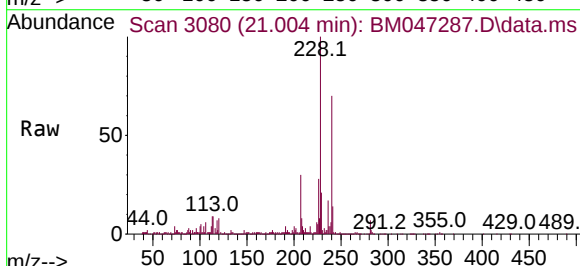
Tgt Ion:228 Resp: 420116

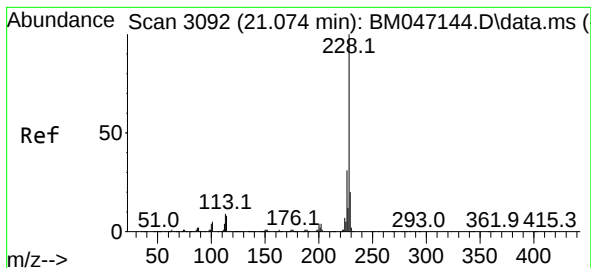
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

229 20.5 15.8 23.8





#83

Chrysene

Concen: 5.918 ng

RT: 21.056 min Scan# 3092

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

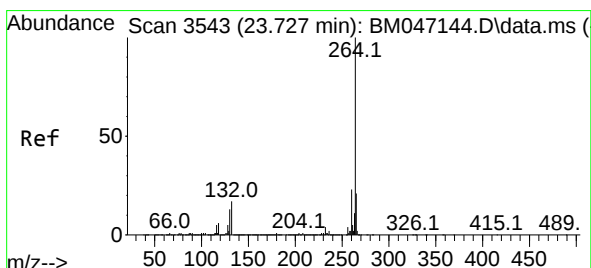
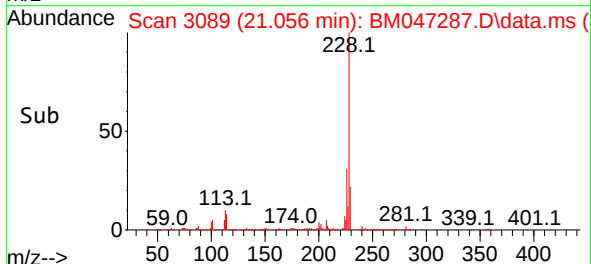
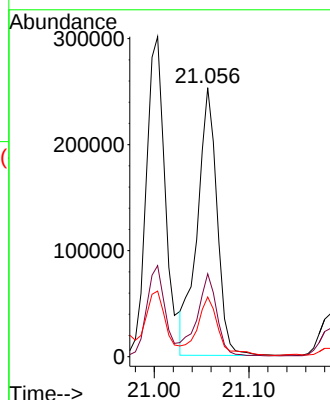
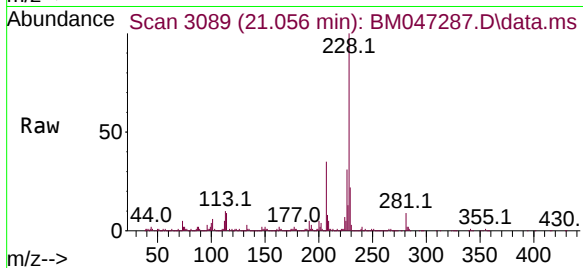
Tgt Ion:228 Resp: 367416

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 22.2 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: BM047287.D

Acq: 21 Aug 2024 02:12

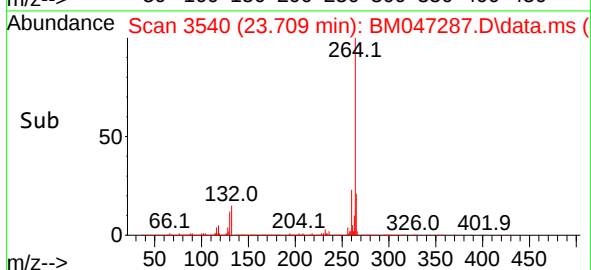
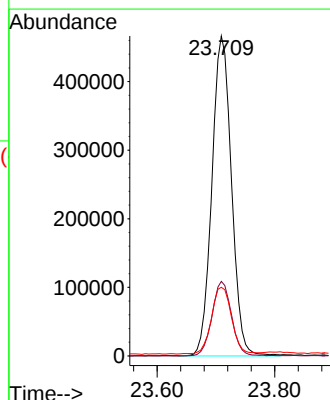
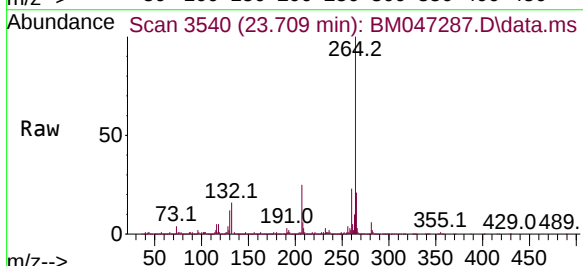
Tgt Ion:264 Resp: 1079567

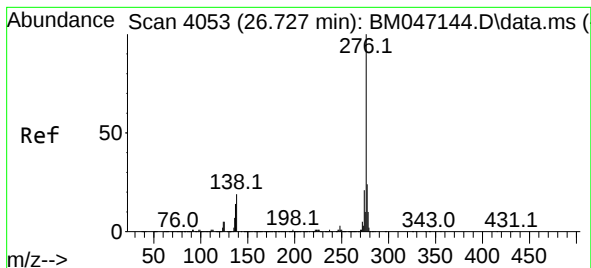
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.819 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.029 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

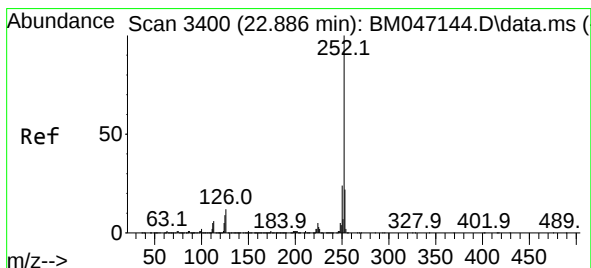
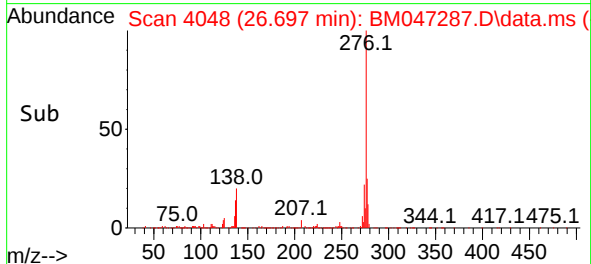
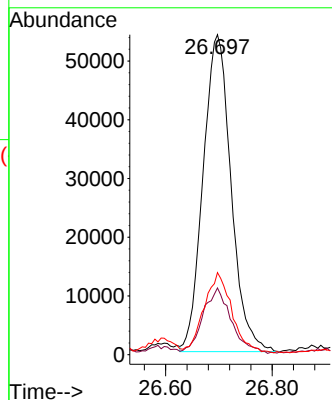
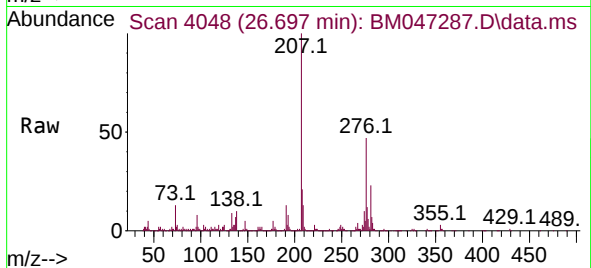
Tgt Ion:276 Resp: 196686

Ion Ratio Lower Upper

276 100

138 21.3 19.4 29.0

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 6.583 ng

RT: 22.868 min Scan# 3397

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

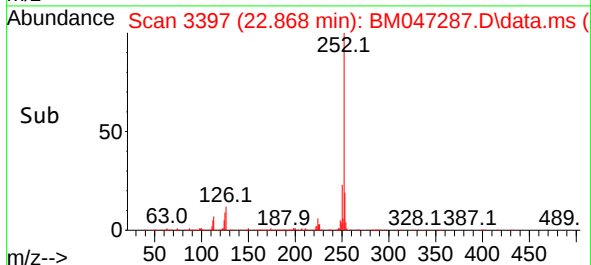
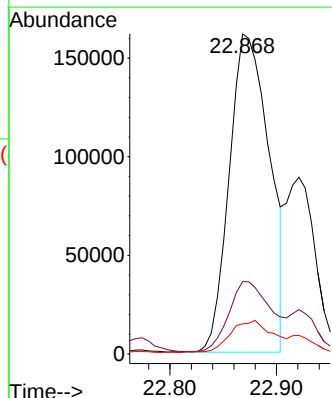
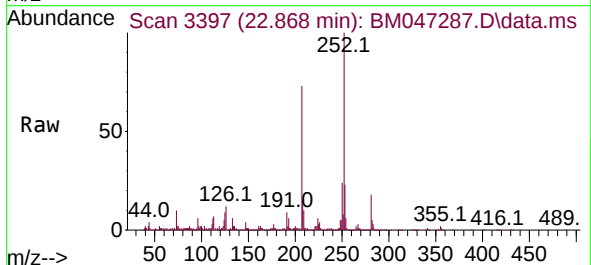
Tgt Ion:252 Resp: 422022

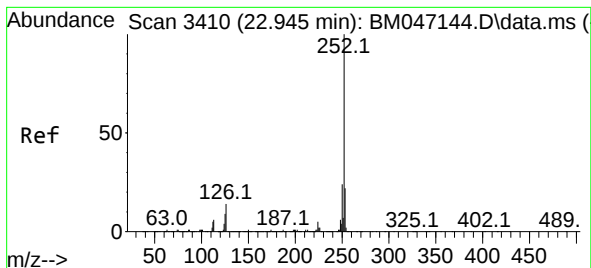
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 9.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 6.969 ng

RT: 22.868 min Scan# 31

Delta R.T. -0.077 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

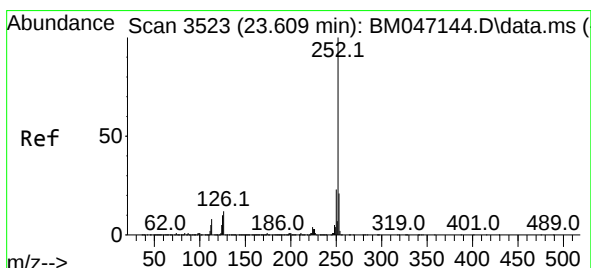
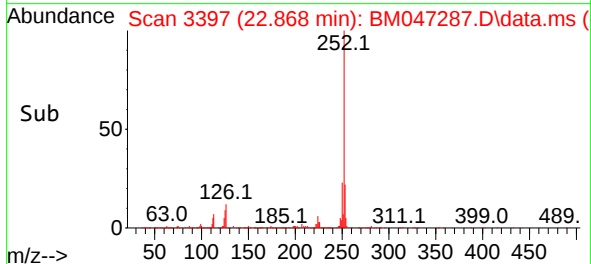
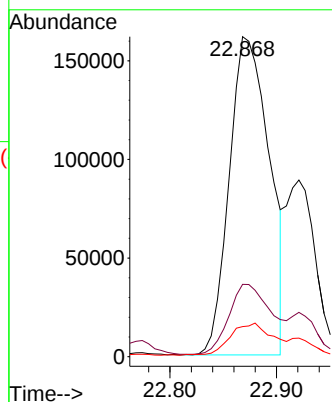
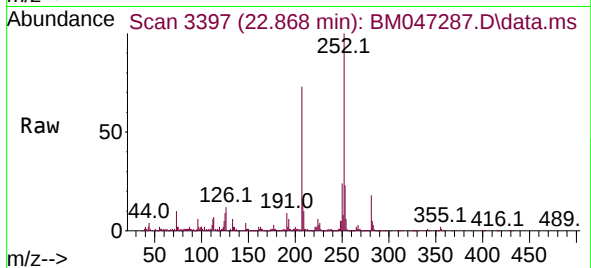
Tgt Ion:252 Resp: 422022

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.4 7.4 11.2



#90

Benzo(a)pyrene

Concen: 5.794 ng

RT: 23.586 min Scan# 3519

Delta R.T. -0.024 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

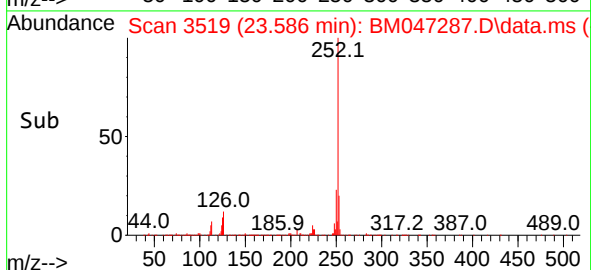
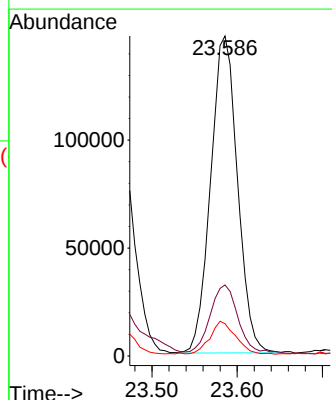
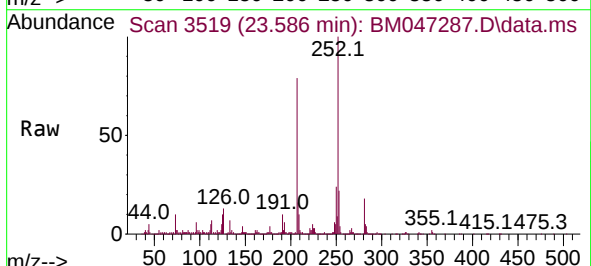
Tgt Ion:252 Resp: 321764

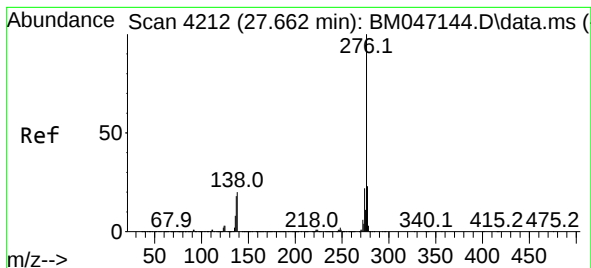
Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 10.1 8.2 12.2





#92

Benzo(g,h,i)perylene

Concen: 3.302 ng

RT: 27.627 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM047287.D

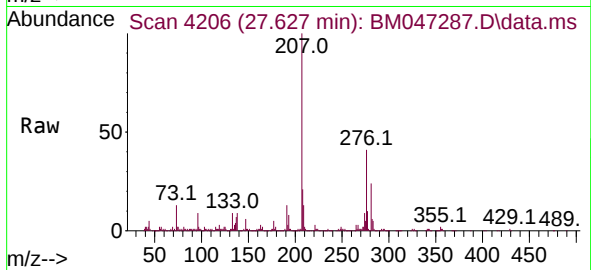
Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524



Tgt Ion:276 Resp: 193597

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 21.4 16.2 24.4

