

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
 Data File : BM047261.D
 Acq On : 19 Aug 2024 20:48
 Operator : RC/JU
 Sample : P3643-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 20 02:02:15 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)

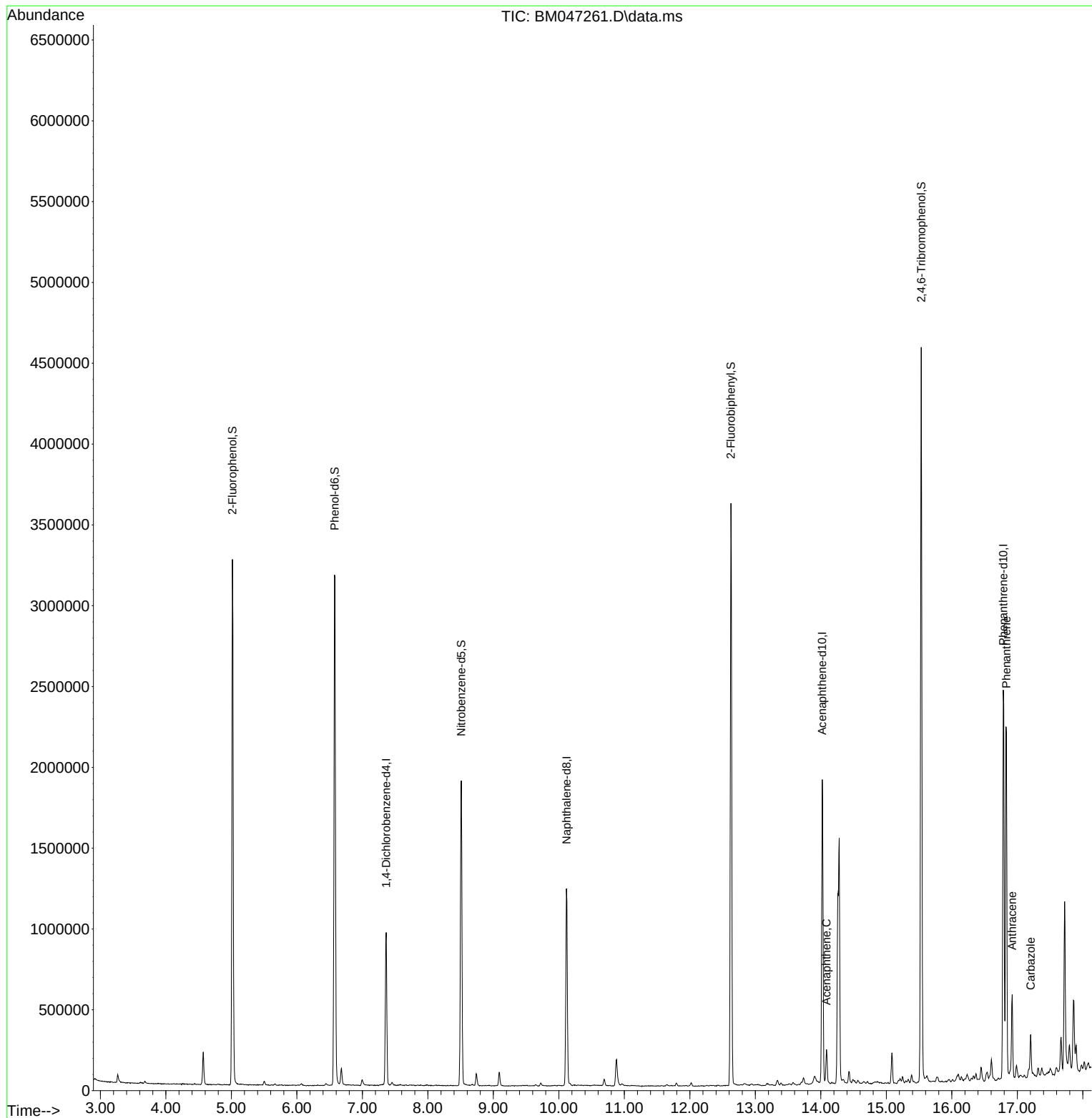
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.363	152	260350	20.000	ng	-0.01
21) Naphthalene-d8	10.116	136	996410	20.000	ng	-0.02
39) Acenaphthene-d10	14.022	164	673496	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1492753	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1275668	20.000	ng	0.00
86) Perylene-d12	23.727	264	1234670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1388859	95.321	ng	0.00
7) Phenol-d6	6.575	99	1848958	92.094	ng	-0.01
23) Nitrobenzene-d5	8.510	82	1090257	55.096	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	833761	106.765	ng	0.00
45) 2-Fluorobiphenyl	12.628	172	1939340	44.417	ng	-0.02
79) Terphenyl-d14	19.457	244	2583253	43.391	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.534	77	921	Below Cal	#	62
52) Acenaphthene	14.086	154	73613	2.101	ng	98
71) Phenanthrene	16.833	178	1364097	18.208	ng	99
72) Anthracene	16.921	178	295350	4.052	ng	99
73) Carbazole	17.204	167	157240	2.113	ng	99
75) Fluoranthene	18.868	202	2487337	27.297	ng	98
78) Pyrene	19.233	202	2079221	22.827	ng	99
81) Benzo(a)anthracene	21.009	228	946353	11.175	ng	99
83) Chrysene	21.068	228	936640	11.657	ng	97
87) Indeno(1,2,3-cd)pyrene	26.721	276	431314	5.405	ng	# 95
88) Benzo(b)fluoranthene	22.886	252	1020591	13.919	ng	98
89) Benzo(k)fluoranthene	22.886	252	1020591	14.736	ng	98
90) Benzo(a)pyrene	23.603	252	678440	10.681	ng	96
92) Benzo(g,h,i)perylene	27.650	276	417491	6.226	ng	99

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

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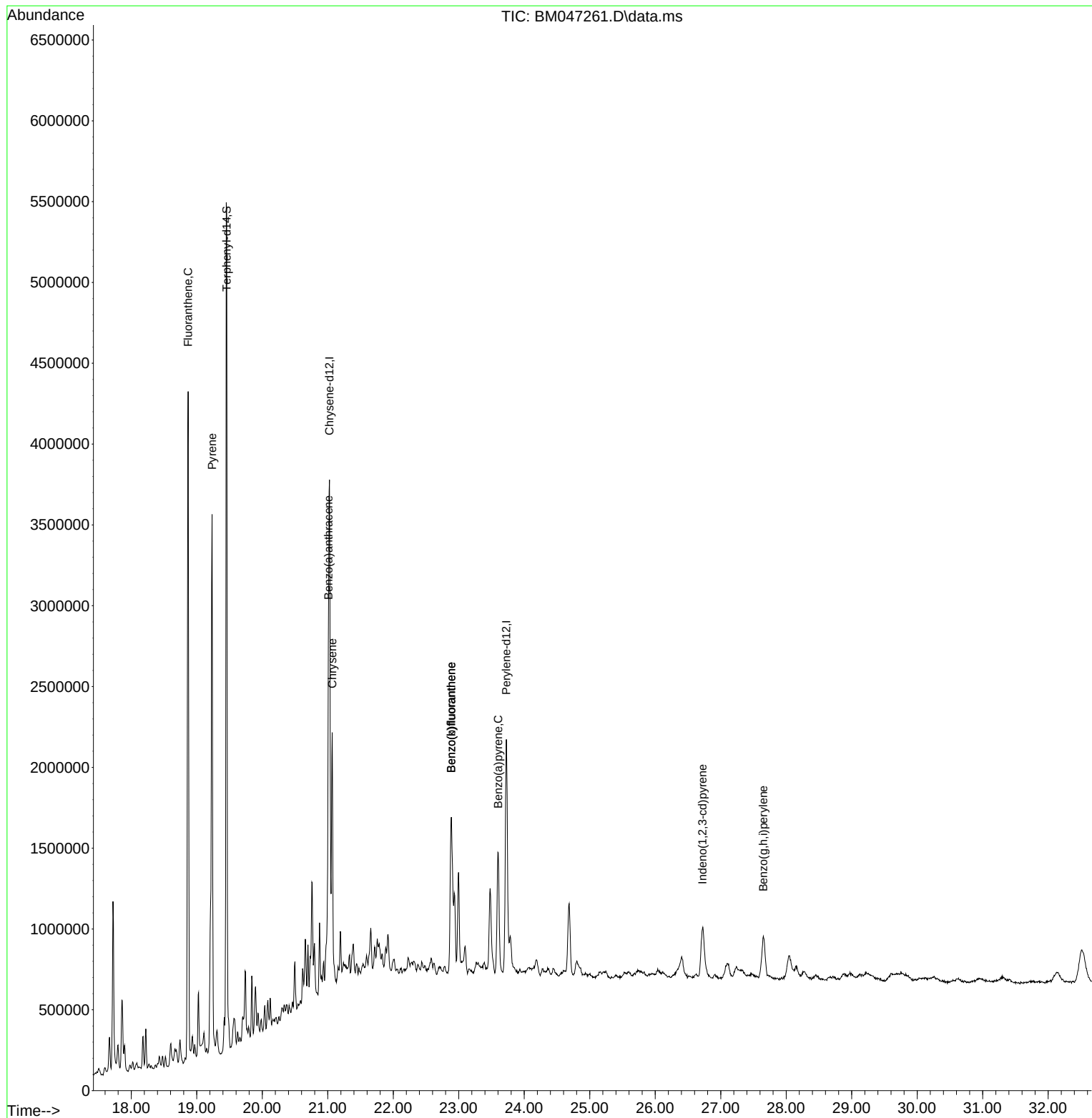
Quant Time: Aug 20 02:02:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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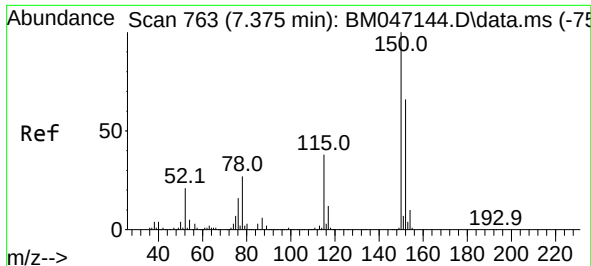


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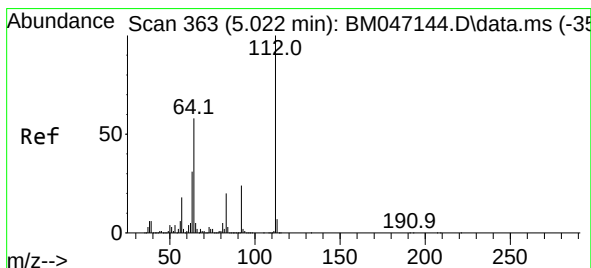
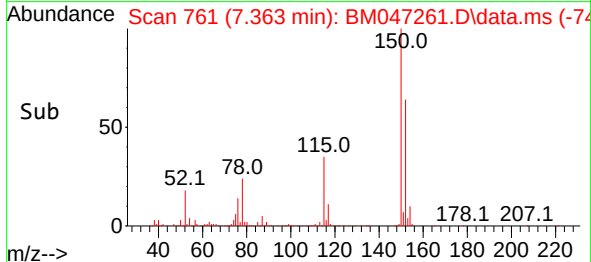
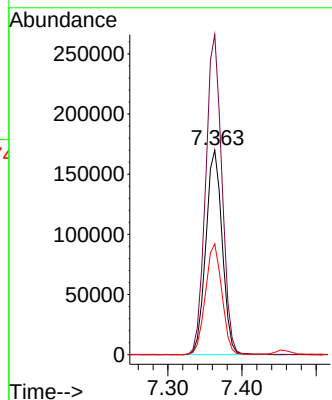
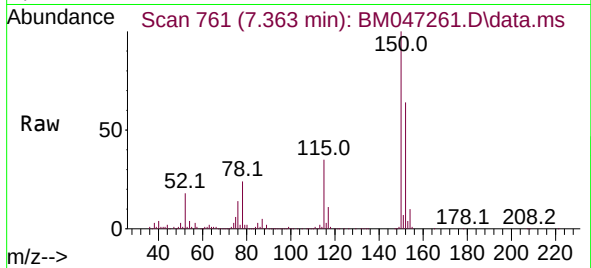




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 70
Delta R.T. -0.012 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

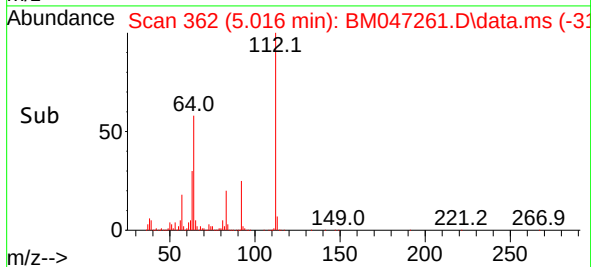
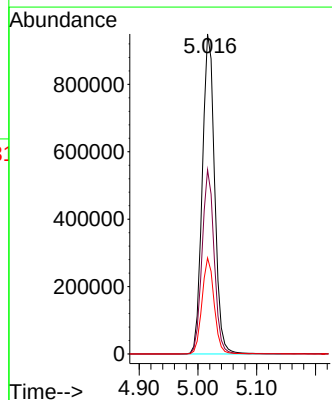
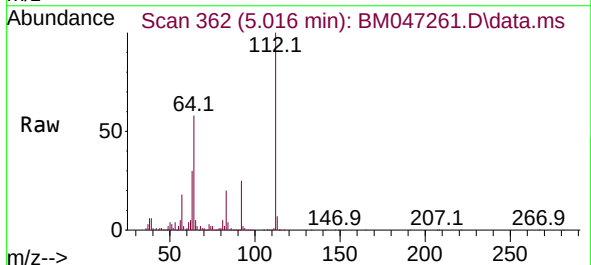
Instrument :
BNA_M
ClientSampleId :
918-J-SD-0-0.5-081524

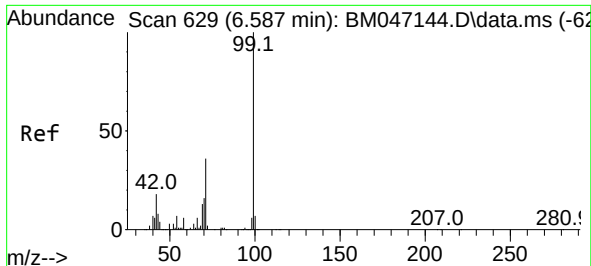
Tgt Ion:152 Resp: 260350
Ion Ratio Lower Upper
152 100
150 156.4 120.5 180.7
115 54.1 45.5 68.3



#5
2-Fluorophenol
Concen: 95.321 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

Tgt Ion:112 Resp: 1388859
Ion Ratio Lower Upper
112 100
64 57.5 46.7 70.1
63 30.0 24.8 37.2



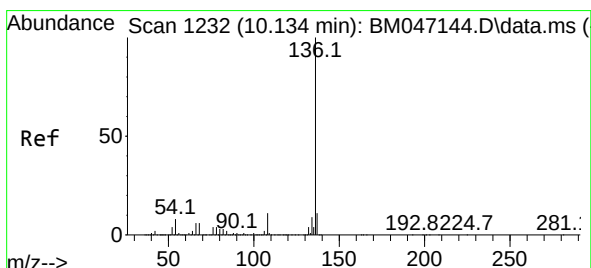
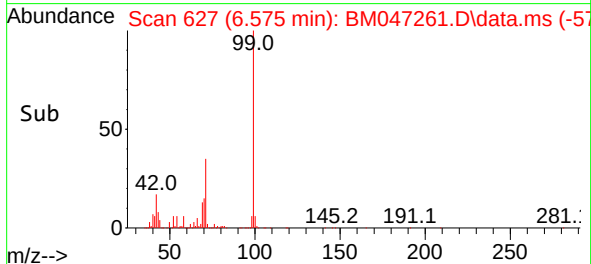
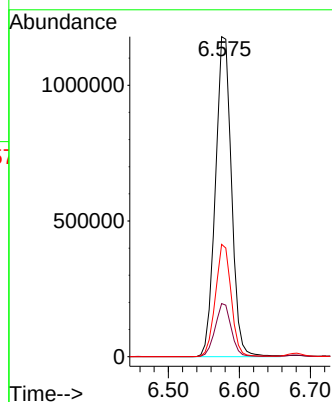
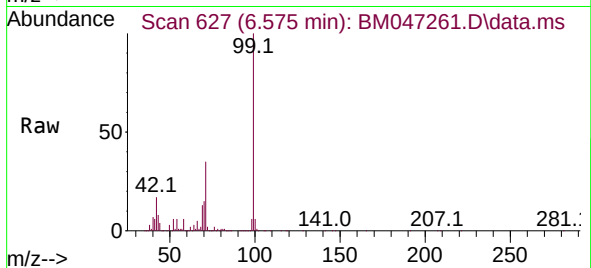


#7
Phenol-d6
Concen: 92.094 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

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

Tgt Ion: 99 Resp: 1848958

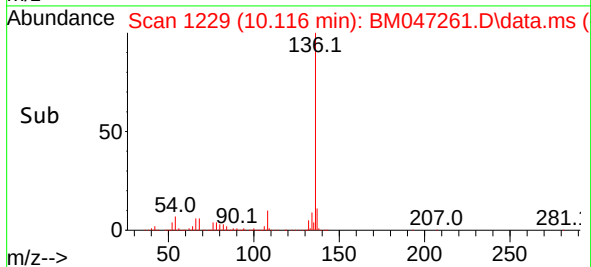
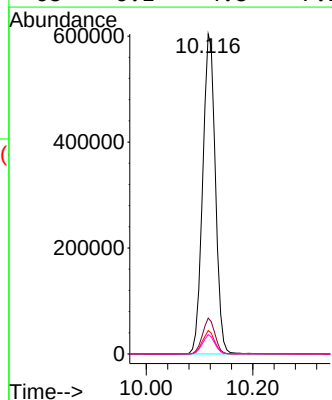
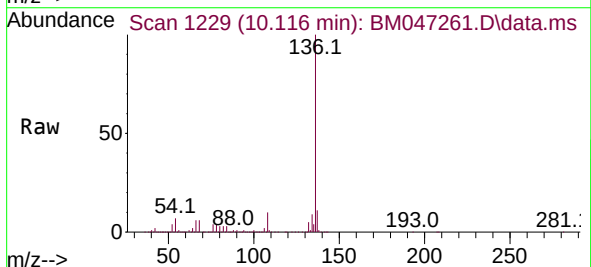
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.1	21.1
71	35.1	28.5	42.7

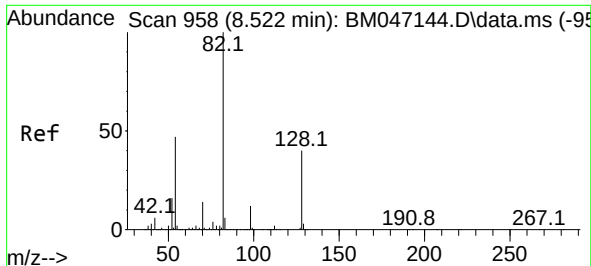


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.116 min Scan# 1229
Delta R.T. -0.018 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

Tgt Ion: 136 Resp: 996410

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.3	6.0	9.0
68	6.1	4.8	7.2

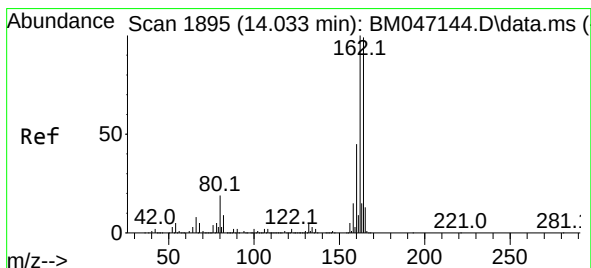
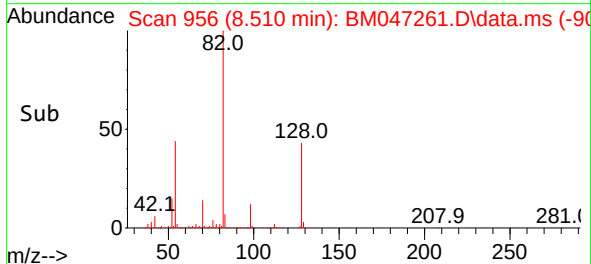
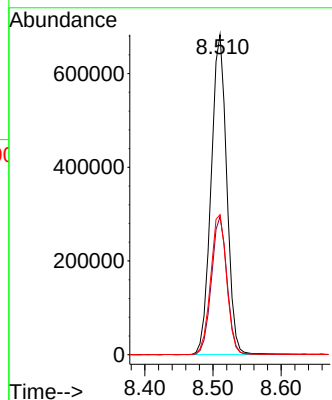
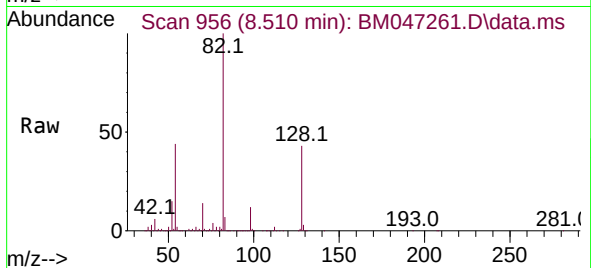




#23
Nitrobenzene-d5
Concen: 55.096 ng
RT: 8.510 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

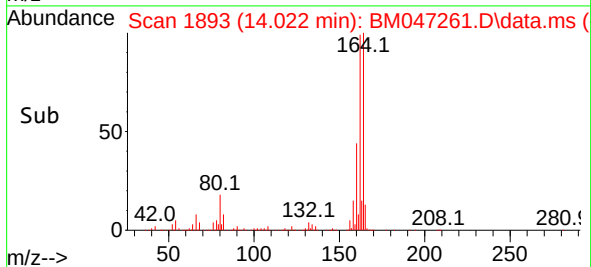
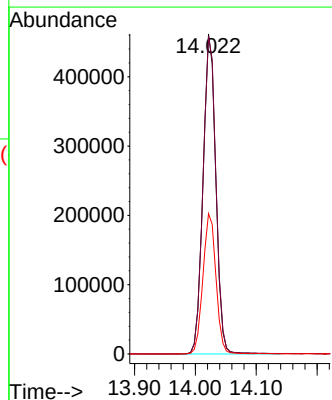
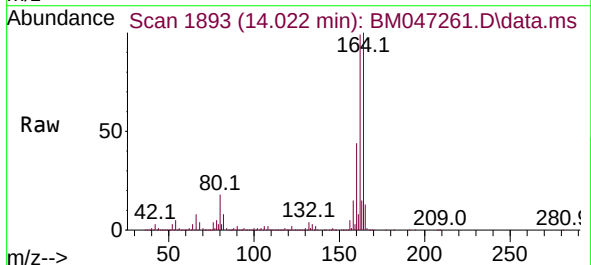
Instrument :
BNA_M
ClientSampleId :
918-J-SD-0-0.5-081524

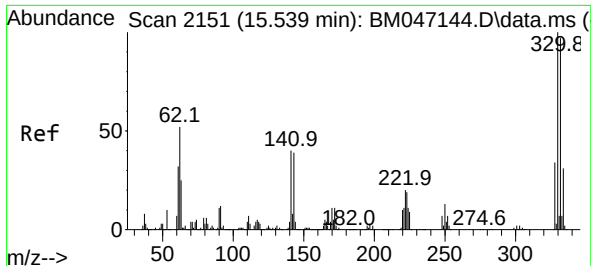
Tgt Ion: 82 Resp: 1090257
Ion Ratio Lower Upper
82 100
128 43.2 32.3 48.5
54 43.7 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1893
Delta R.T. -0.012 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

Tgt Ion: 164 Resp: 673496
Ion Ratio Lower Upper
164 100
162 99.3 80.7 121.1
160 43.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 106.765 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047261.D

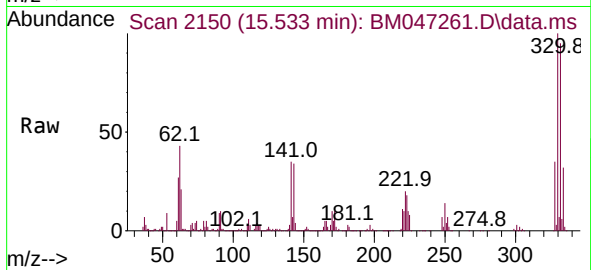
Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524



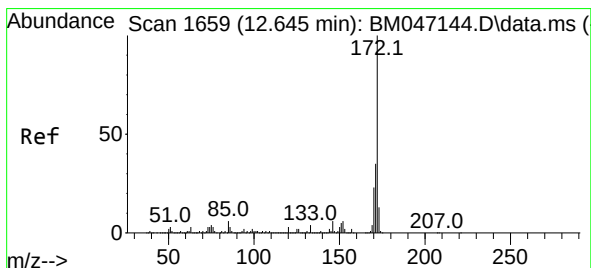
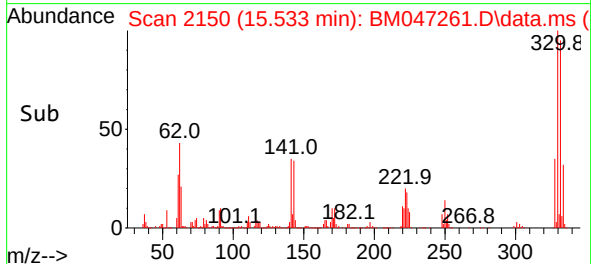
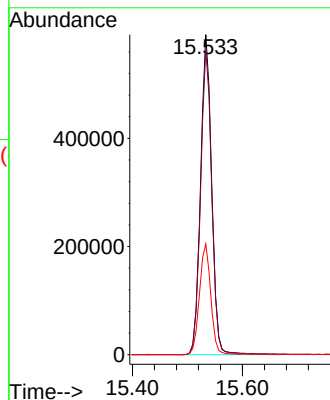
Tgt Ion:330 Resp: 833761

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

141 35.3 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 44.417 ng

RT: 12.628 min Scan# 1656

Delta R.T. -0.017 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

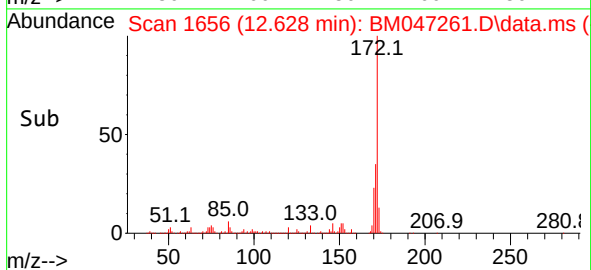
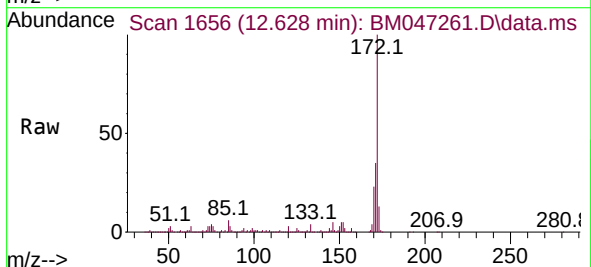
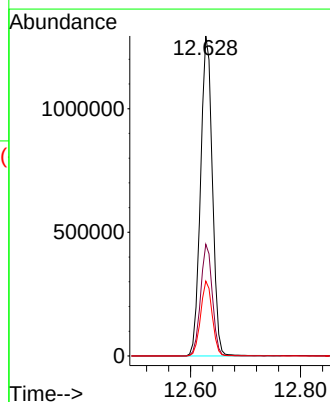
Tgt Ion:172 Resp: 1939340

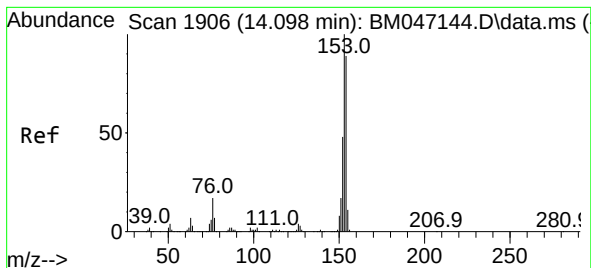
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.4 18.7 28.1





#52

Acenaphthene

Concen: 2.101 ng

RT: 14.086 min Scan# 1906

Delta R.T. -0.012 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524

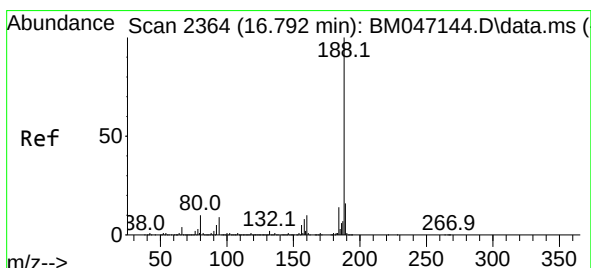
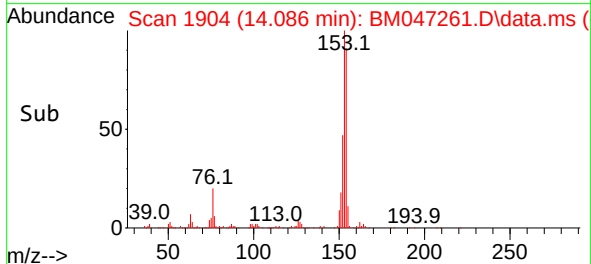
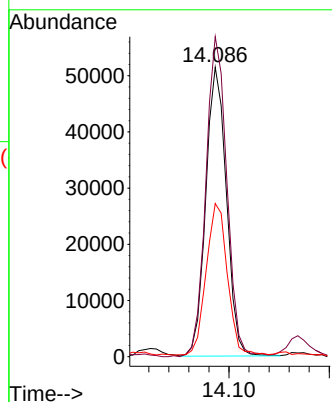
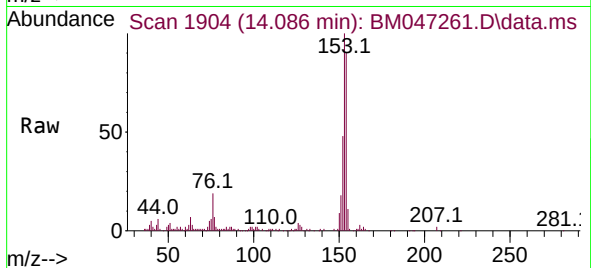
Tgt Ion:154 Resp: 73613

Ion Ratio Lower Upper

154 100

153 110.6 90.3 135.5

152 52.9 42.9 64.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.786 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

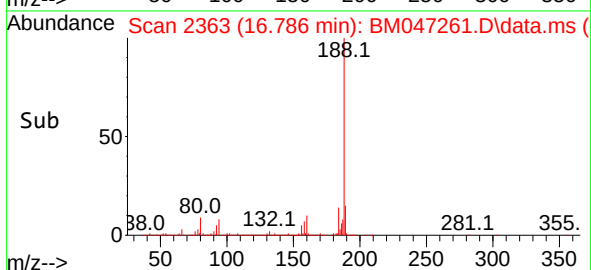
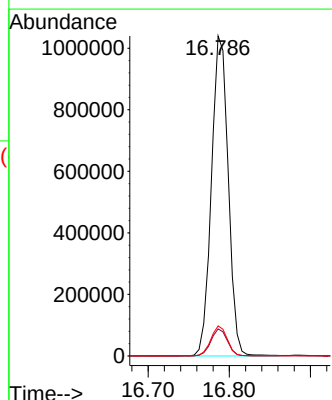
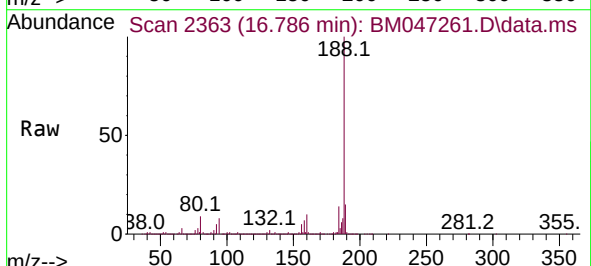
Tgt Ion:188 Resp: 1492753

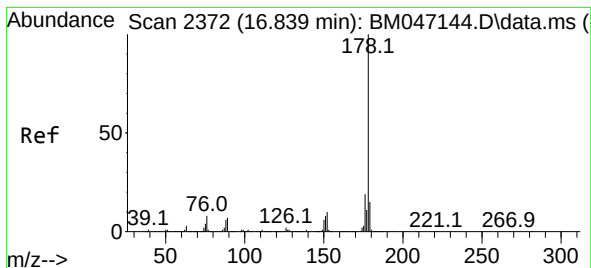
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 9.4 8.0 12.0





#71

Phenanthrene

Concen: 18.208 ng

RT: 16.833 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524

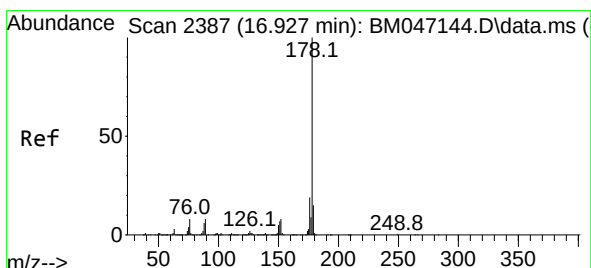
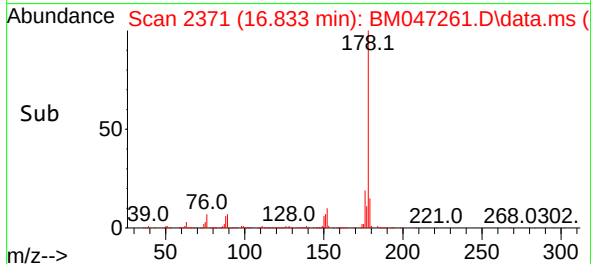
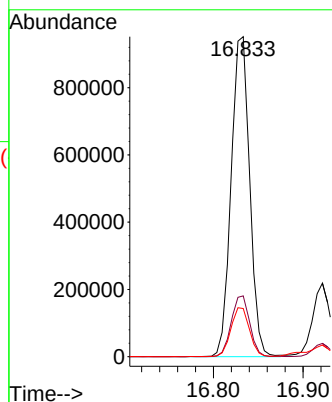
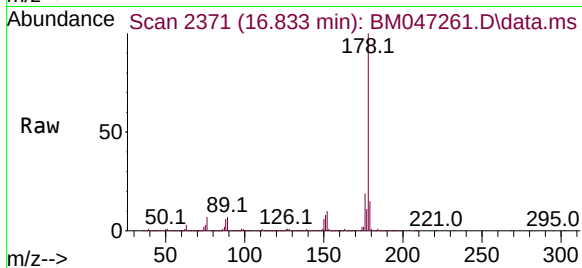
Tgt Ion:178 Resp: 1364097

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.0 12.4 18.6



#72

Anthracene

Concen: 4.052 ng

RT: 16.921 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

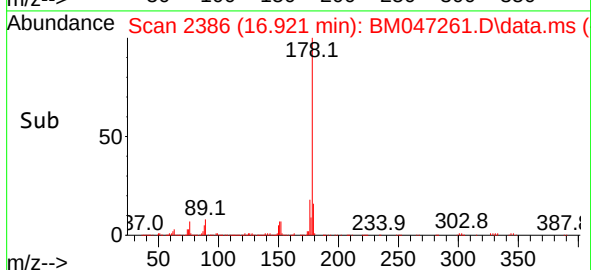
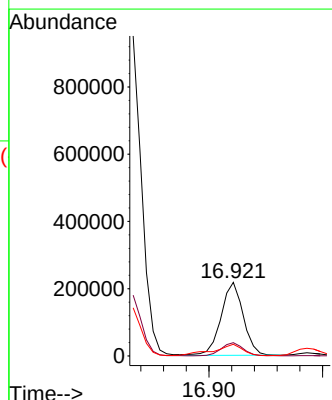
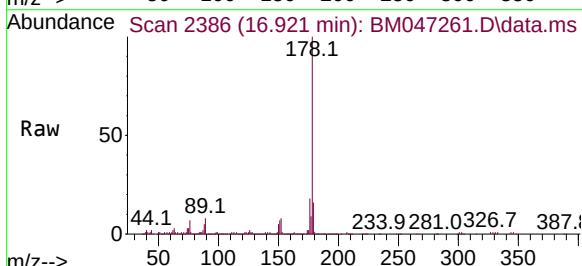
Tgt Ion:178 Resp: 295350

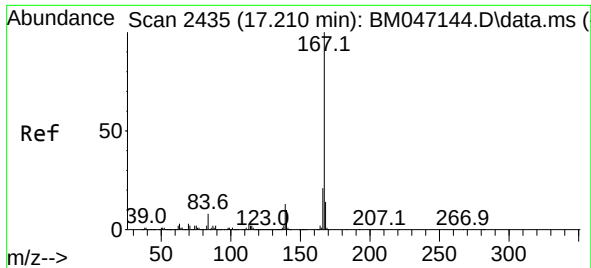
Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

179 15.9 12.4 18.6

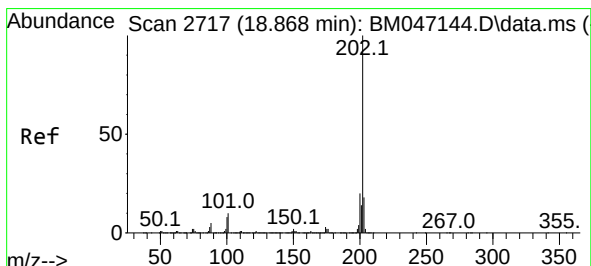
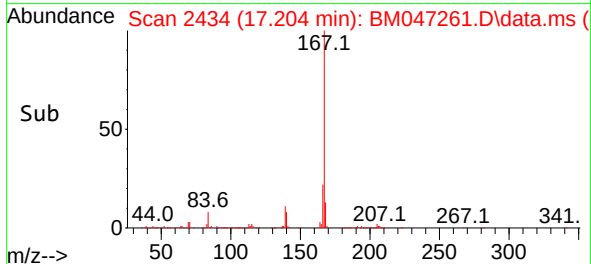
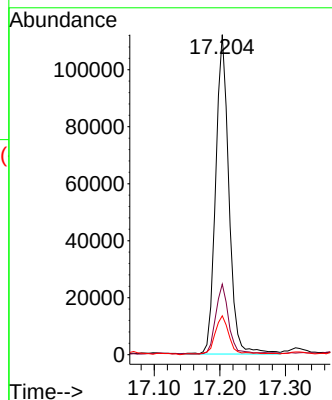
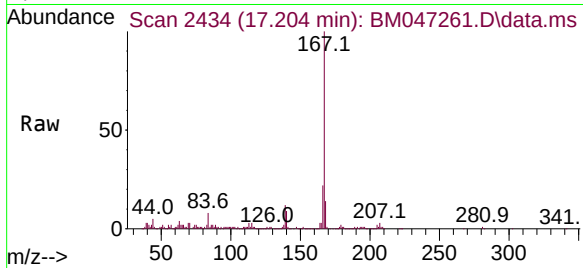




#73
 Carbazole
 Concen: 2.113 ng
 RT: 17.204 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BM047261.D
 Acq: 19 Aug 2024 20:48

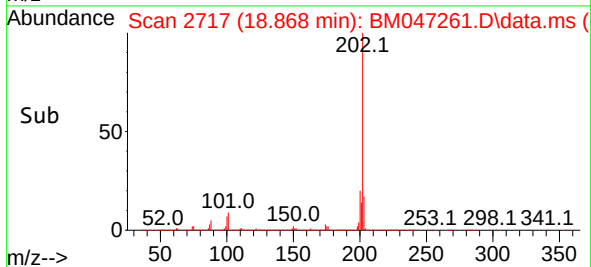
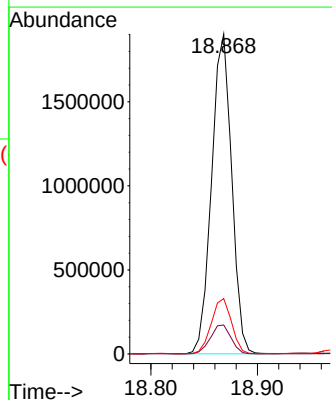
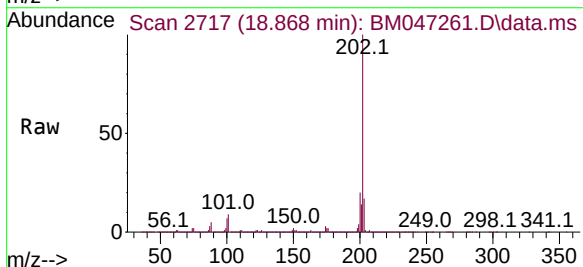
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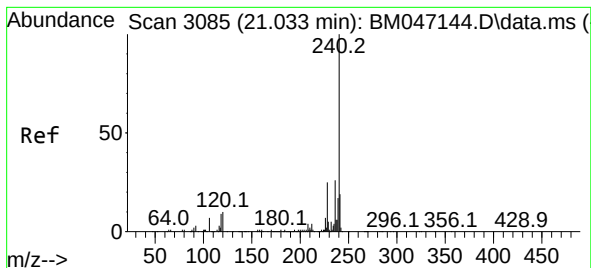
Tgt Ion:167 Resp: 157240
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.1 25.7
 139 12.2 10.0 15.0



#75
 Fluoranthene
 Concen: 27.297 ng
 RT: 18.868 min Scan# 2717
 Delta R.T. -0.000 min
 Lab File: BM047261.D
 Acq: 19 Aug 2024 20:48

Tgt Ion:202 Resp: 2487337
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 30.2
 203 17.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524

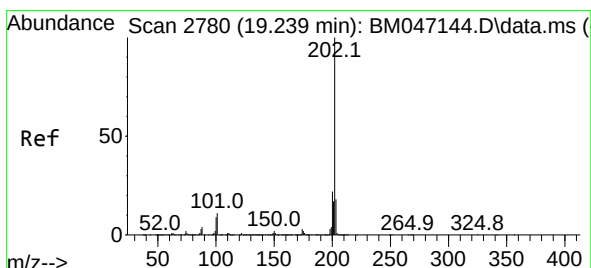
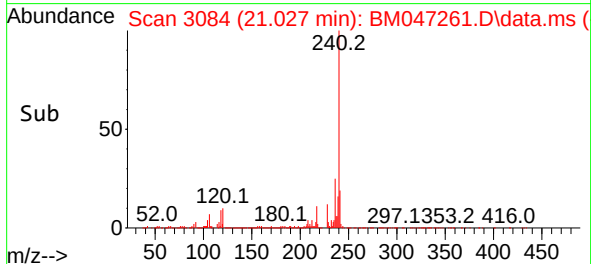
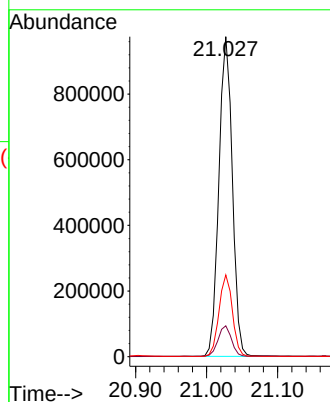
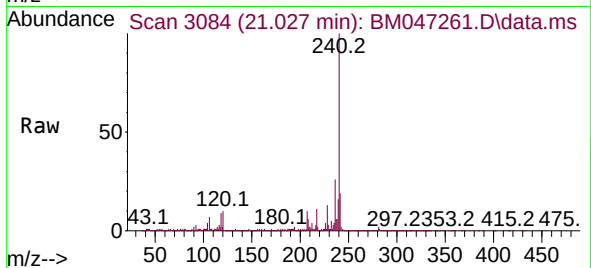
Tgt Ion:240 Resp: 1275668

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 25.6 20.6 30.8



#78

Pyrene

Concen: 22.827 ng

RT: 19.233 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

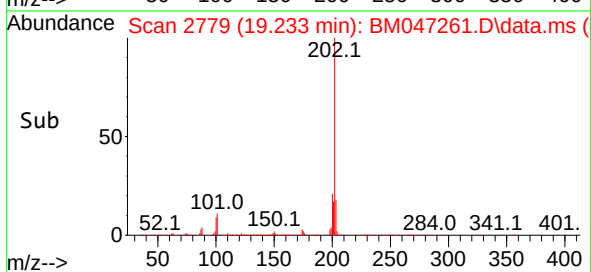
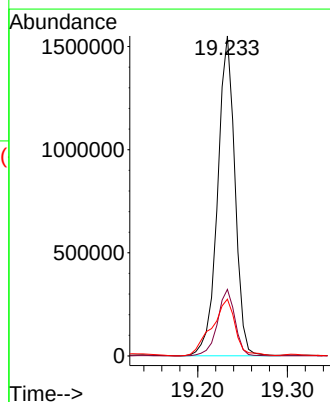
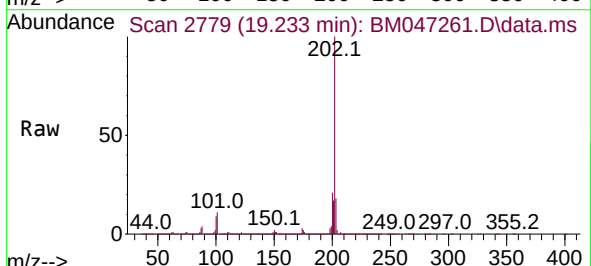
Tgt Ion:202 Resp: 2079221

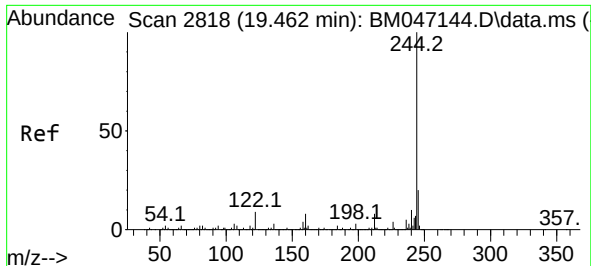
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.8 14.2 21.2

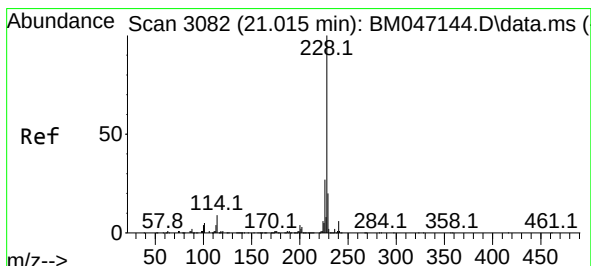
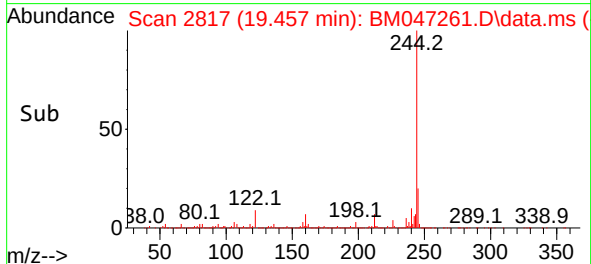
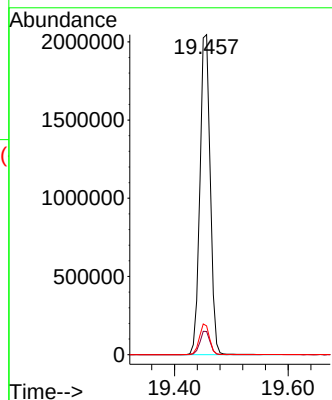
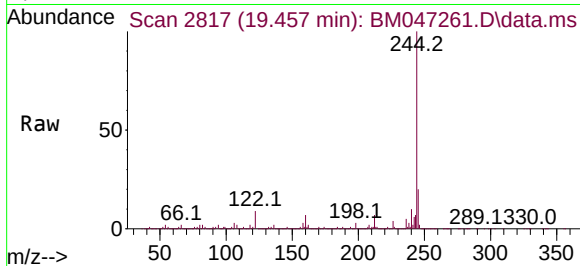




#79
 Terphenyl-d14
 Concen: 43.391 ng
 RT: 19.457 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM047261.D
 Acq: 19 Aug 2024 20:48

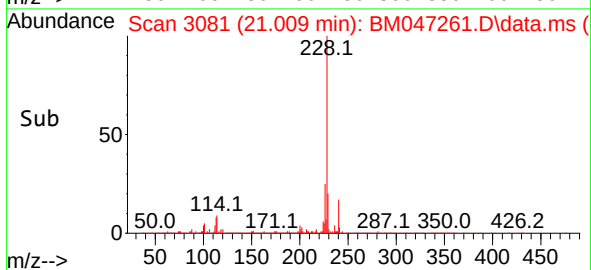
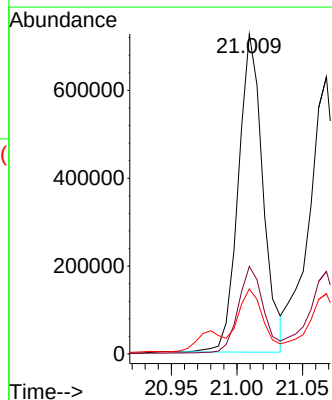
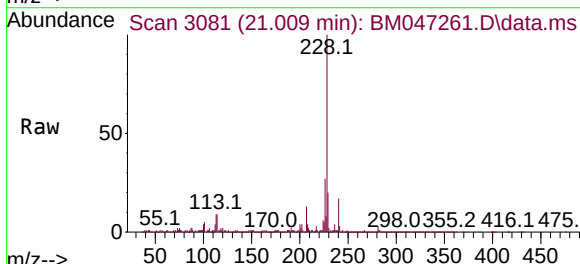
Instrument :
 BNA_M
 ClientSampleId :
 918-J-SD-0-0.5-081524

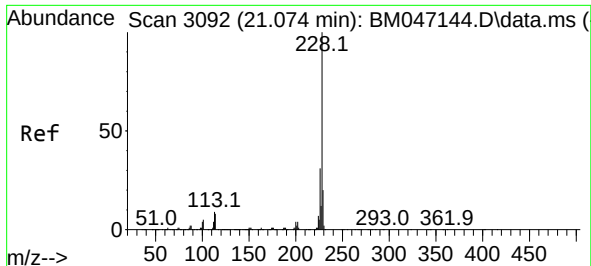
Tgt Ion:244 Resp: 2583253
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 9.0 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 11.175 ng
 RT: 21.009 min Scan# 3081
 Delta R.T. -0.006 min
 Lab File: BM047261.D
 Acq: 19 Aug 2024 20:48

Tgt Ion:228 Resp: 946353
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.6
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 11.657 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524

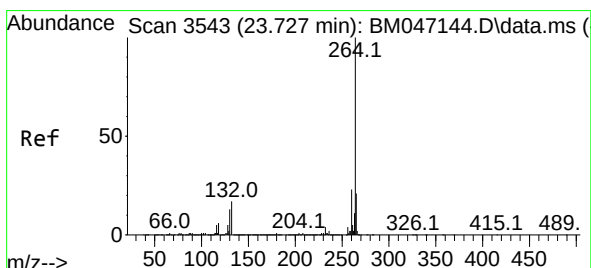
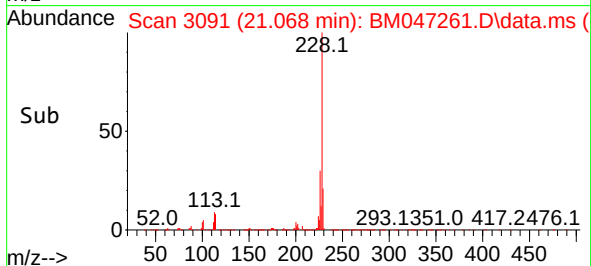
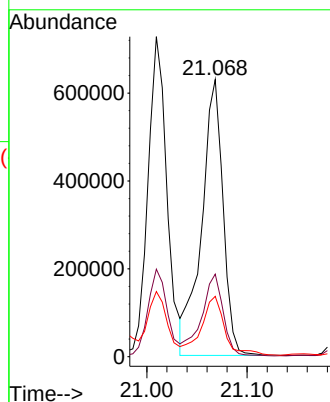
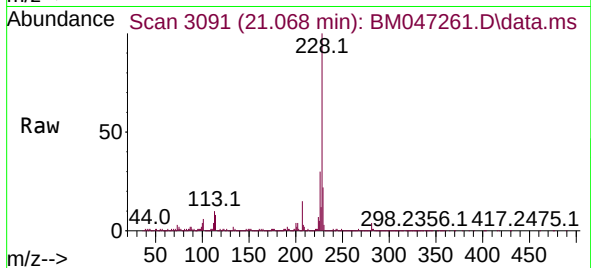
Tgt Ion:228 Resp: 936640

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 21.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3543

Delta R.T. -0.000 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

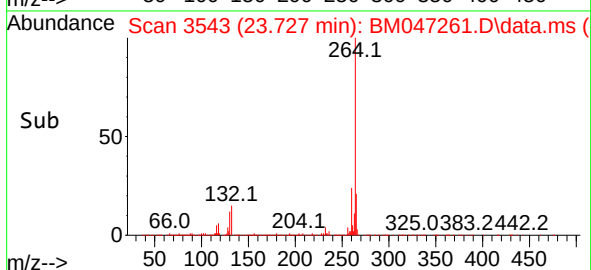
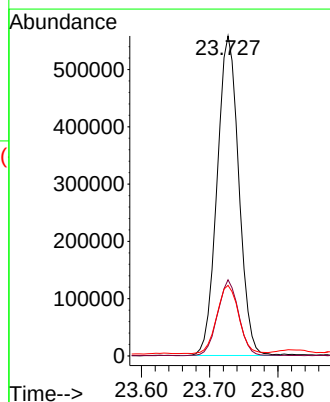
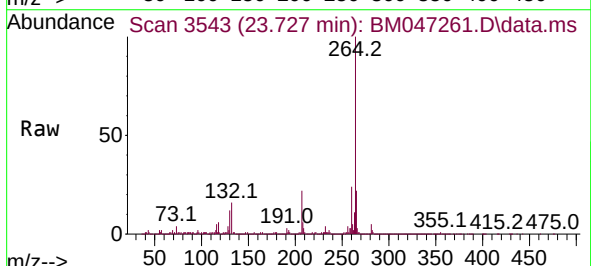
Tgt Ion:264 Resp: 1234670

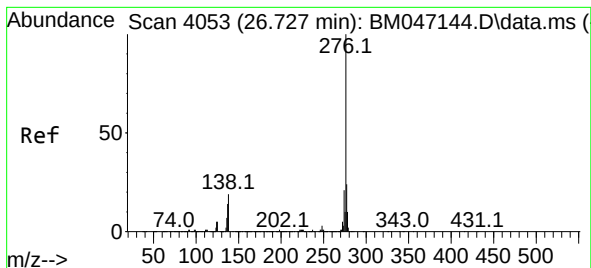
Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.405 ng

RT: 26.721 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

Instrument :

BNA_M

ClientSampleId :

918-J-SD-0-0.5-081524

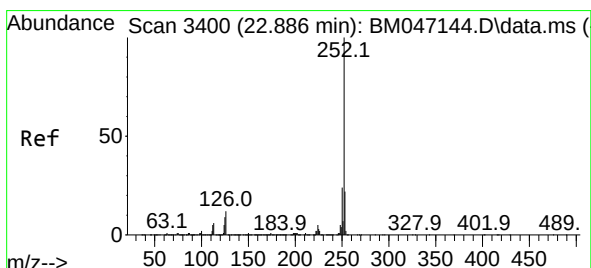
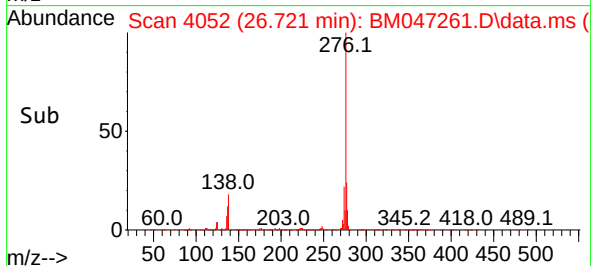
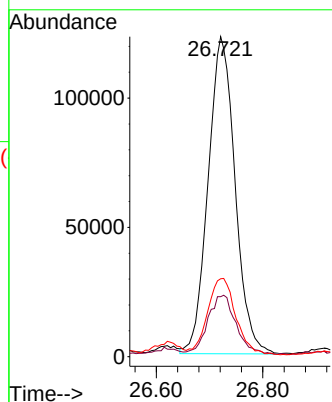
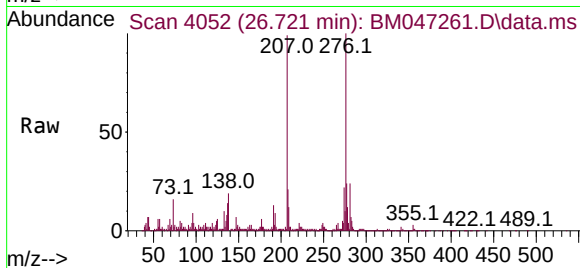
Tgt Ion:276 Resp: 431314

Ion Ratio Lower Upper

276 100

138 19.4 19.4 29.0#

277 25.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 13.919 ng

RT: 22.886 min Scan# 3400

Delta R.T. -0.000 min

Lab File: BM047261.D

Acq: 19 Aug 2024 20:48

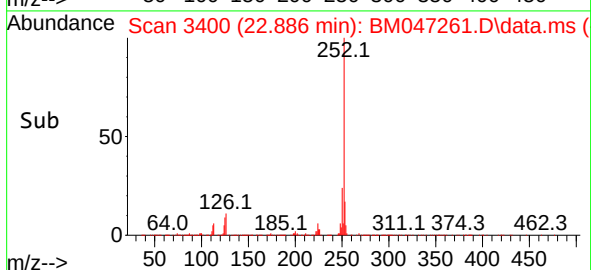
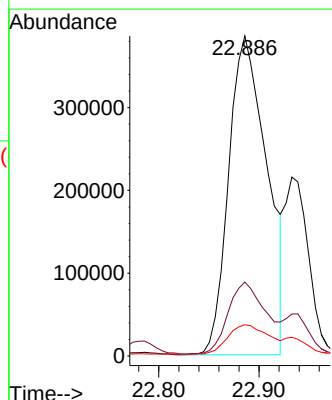
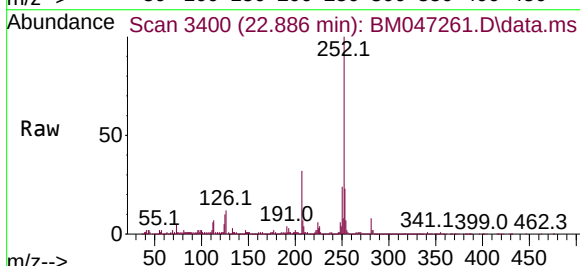
Tgt Ion:252 Resp: 1020591

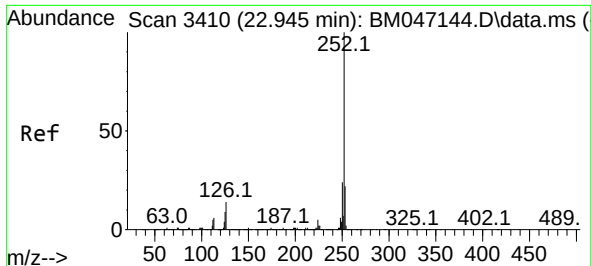
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 9.8 7.4 11.0

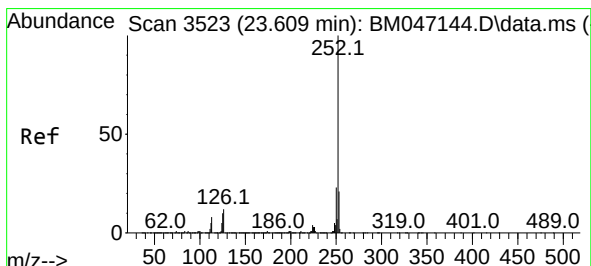
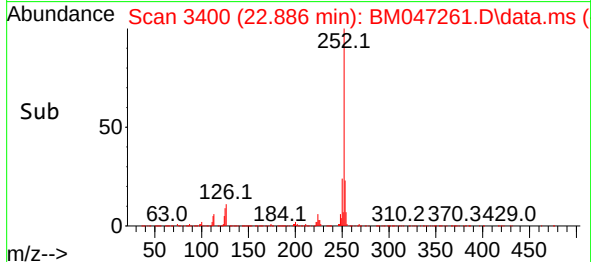
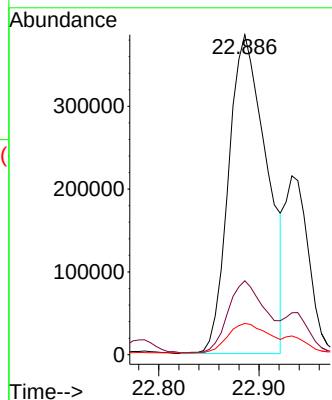
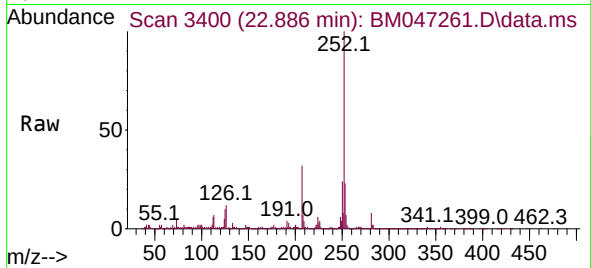




#89
Benzo(k)fluoranthene
Concen: 14.736 ng
RT: 22.886 min Scan# 3410
Delta R.T. -0.059 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

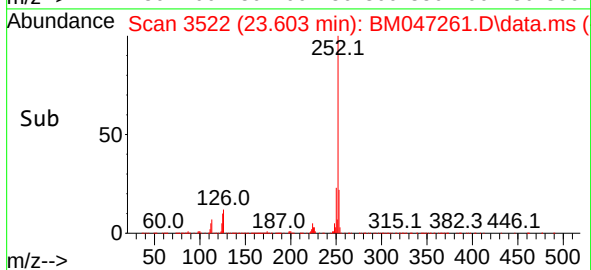
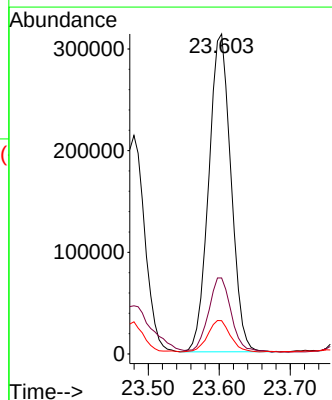
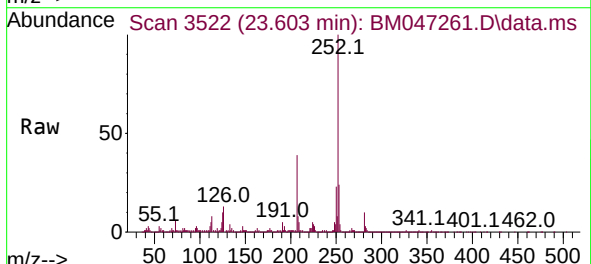
Instrument :
BNA_M
ClientSampleId :
918-J-SD-0-0.5-081524

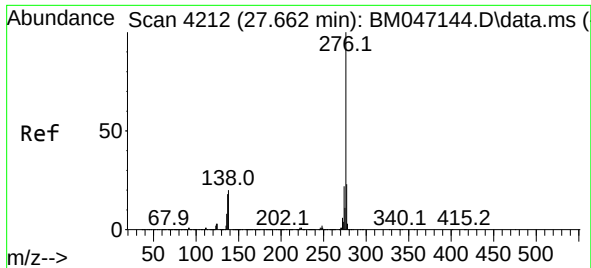
Tgt Ion:252 Resp: 1020591
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 9.8 7.4 11.2



#90
Benzo(a)pyrene
Concen: 10.681 ng
RT: 23.603 min Scan# 3522
Delta R.T. -0.006 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

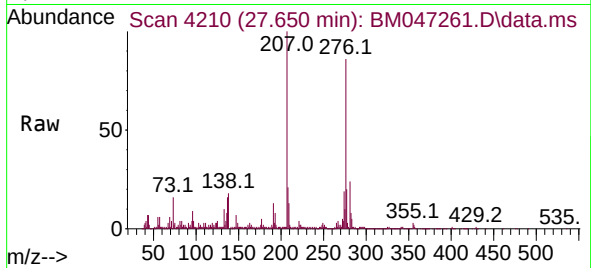
Tgt Ion:252 Resp: 678440
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 10.4 8.2 12.2





#92
Benzo(g,h,i)perylene
Concen: 6.226 ng
RT: 27.650 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM047261.D
Acq: 19 Aug 2024 20:48

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



Tgt Ion:	276	Resp:	417491
Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	21.0	16.2	24.4

