

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
 Data File : BM047285.D
 Acq On : 21 Aug 2024 00:53
 Operator : RC/JU
 Sample : P3643-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 21 02:52:52 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)

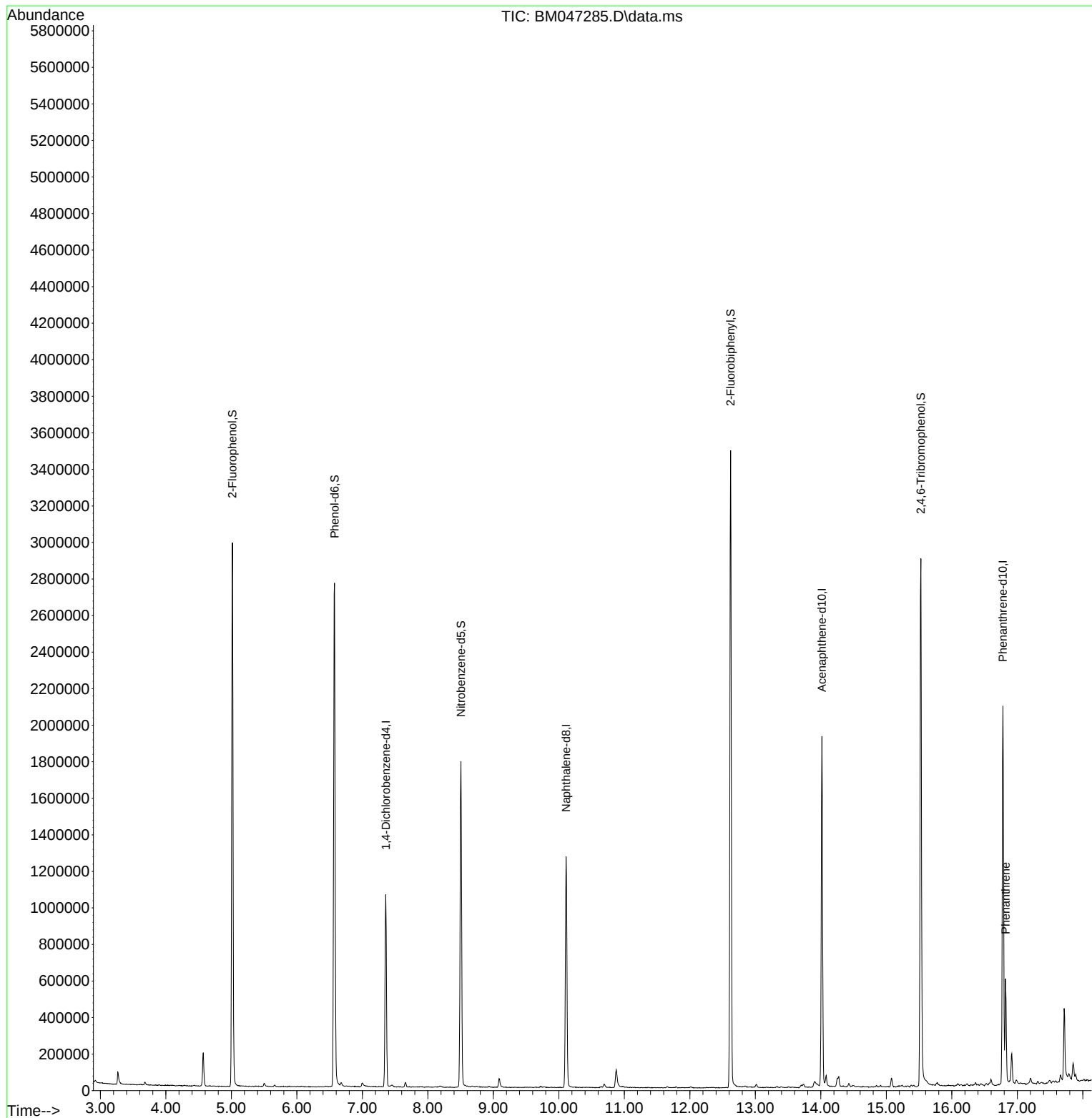
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.358	152	288445	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1051010	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	662317	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1275847	20.000	ng	-0.01
76) Chrysene-d12	21.016	240	1012371	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1073299	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.017	112	1274683	78.963	ng	0.00
7) Phenol-d6	6.575	99	1626975	73.144	ng	-0.01
23) Nitrobenzene-d5	8.505	82	1031531	49.420	ng	-0.02
42) 2,4,6-Tribromophenol	15.528	330	573880	74.727	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	1897774	44.199	ng	-0.02
79) Terphenyl-d14	19.451	244	2410941	51.030	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.822	178	328057	5.124	ng	100
75) Fluoranthene	18.857	202	507189	6.512	ng	98
78) Pyrene	19.221	202	420080	5.811	ng	98
81) Benzo(a)anthracene	21.004	228	196345	2.921	ng	99
83) Chrysene	21.057	228	174507	2.737	ng	97
88) Benzo(b)fluoranthene	22.874	252	207849	3.261	ng	# 97
90) Benzo(a)pyrene	23.586	252	148218	2.684	ng	# 96

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

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921-J-SD-0-0.5-081524-FD

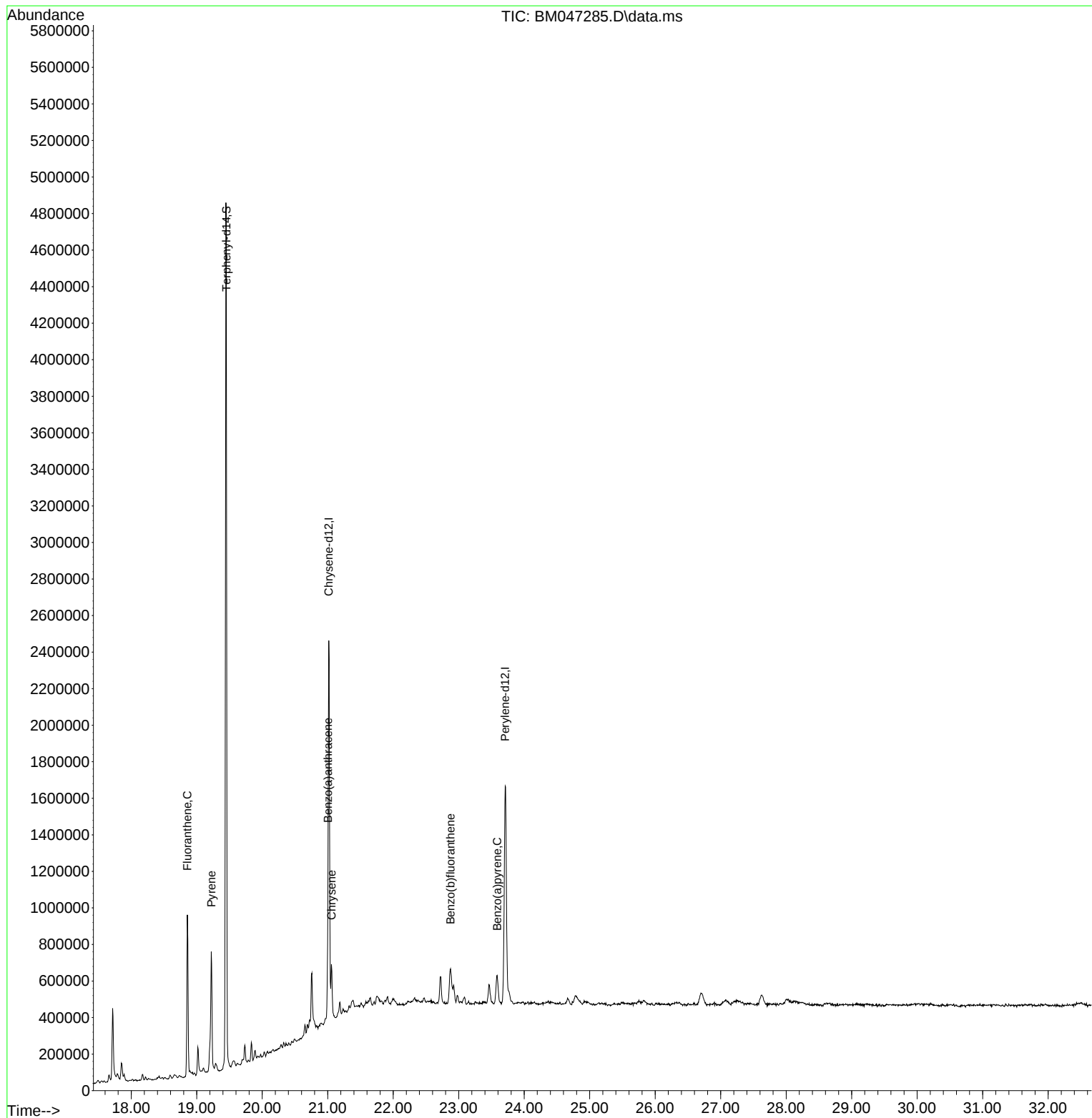
Quant Time: Aug 21 02:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

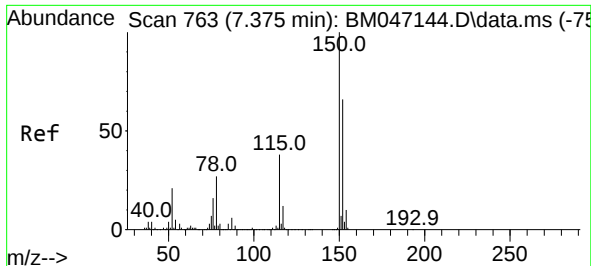


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
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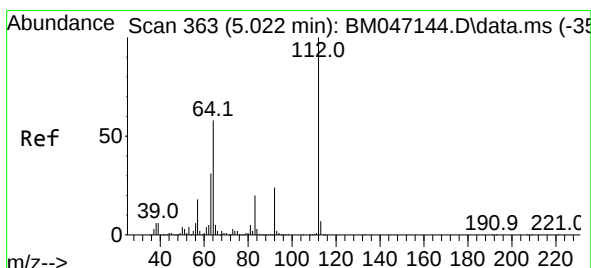
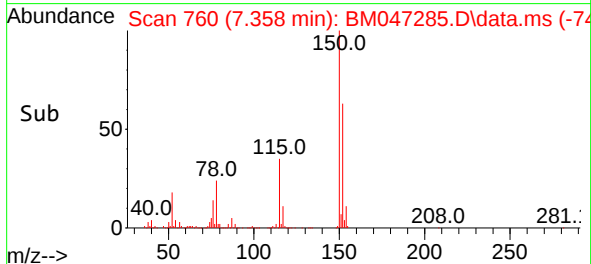
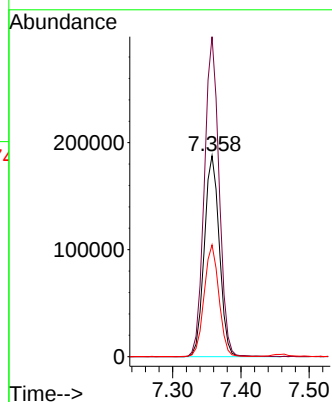
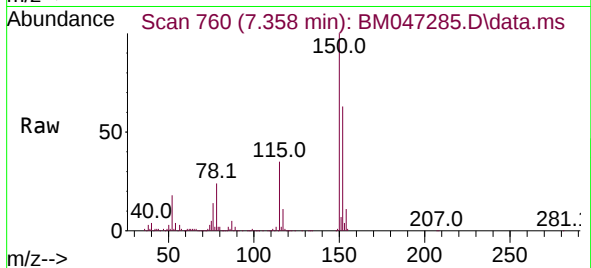




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.358 min Scan# 760
Delta R.T. -0.017 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

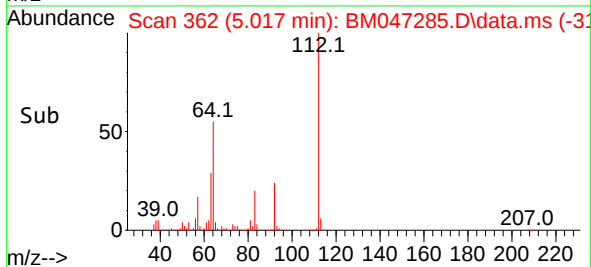
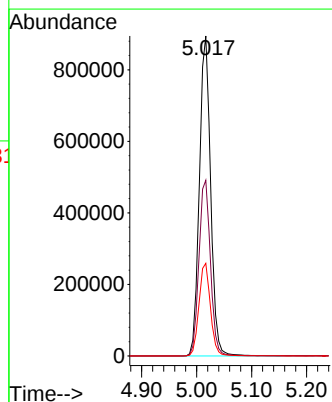
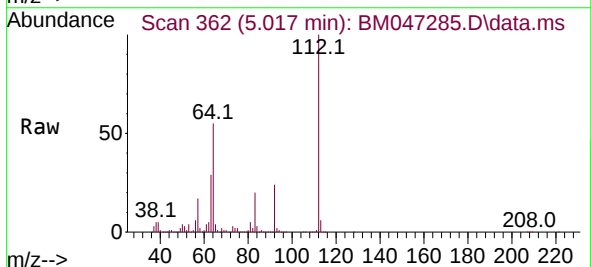
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524-FD

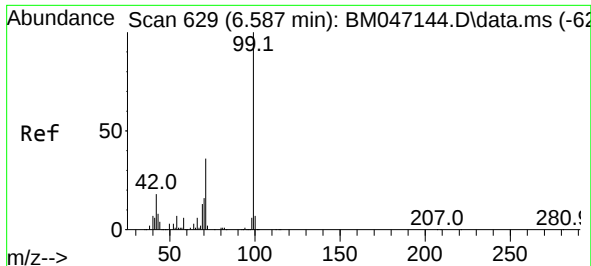
Tgt Ion:152 Resp: 288445
Ion Ratio Lower Upper
152 100
150 159.2 120.5 180.7
115 55.6 45.5 68.3



#5
2-Fluorophenol
Concen: 78.963 ng
RT: 5.017 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

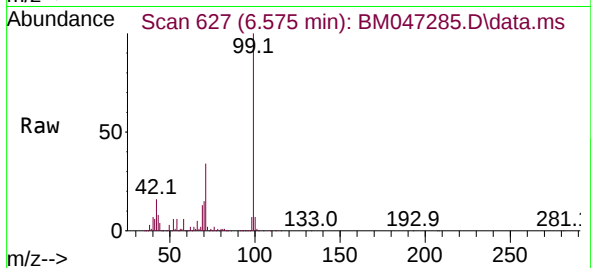
Tgt Ion:112 Resp: 1274683
Ion Ratio Lower Upper
112 100
64 54.9 46.7 70.1
63 28.9 24.8 37.2





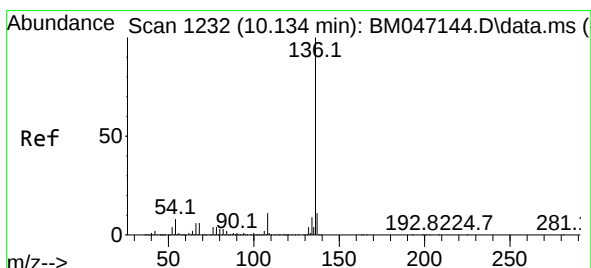
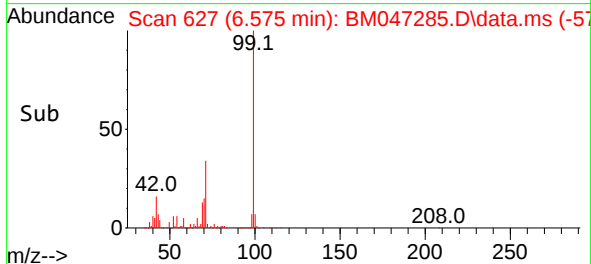
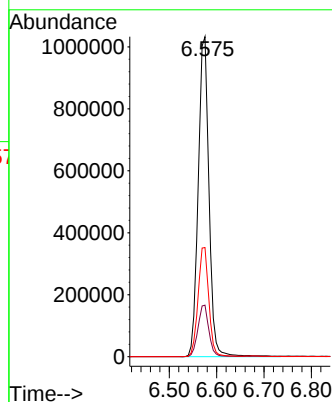
#7
Phenol-d6
Concen: 73.144 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

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



Tgt Ion: 99 Resp: 1626975

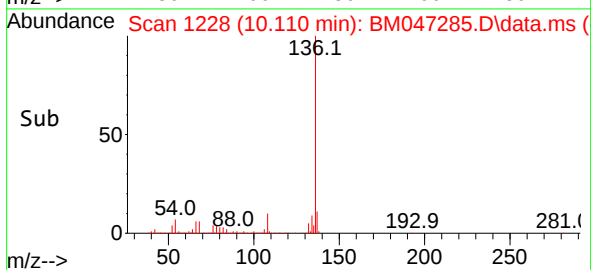
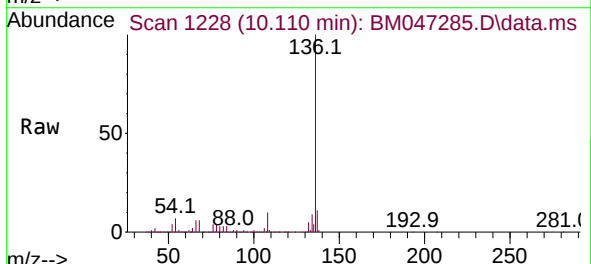
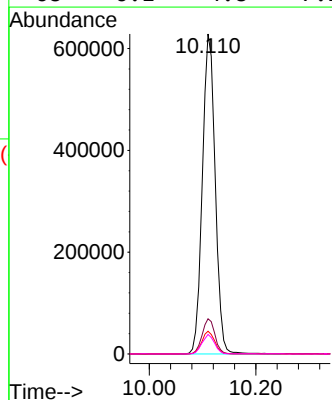
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	34.1	28.5	42.7

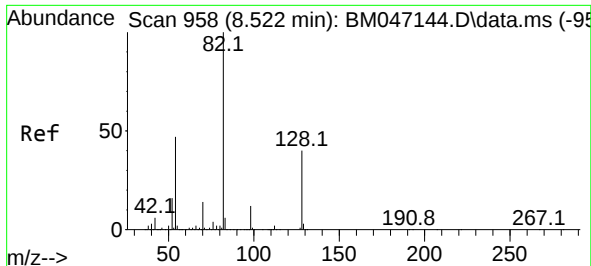


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.023 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

Tgt Ion: 136 Resp: 1051010

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	6.0	9.0
68	6.1	4.8	7.2

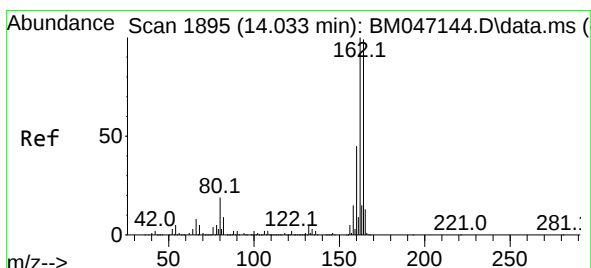
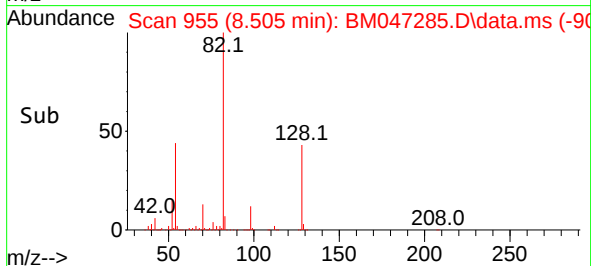
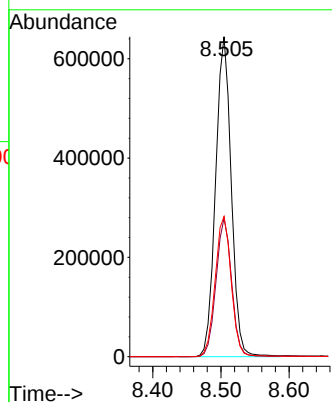
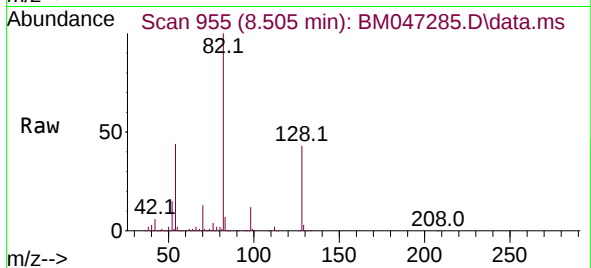




#23
Nitrobenzene-d5
Concen: 49.420 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.017 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

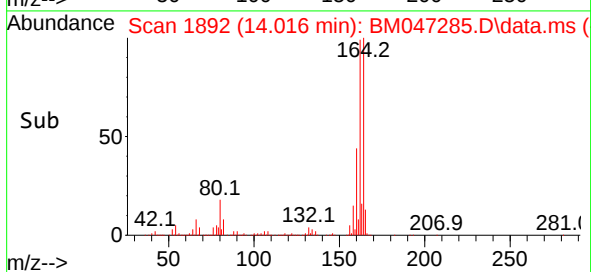
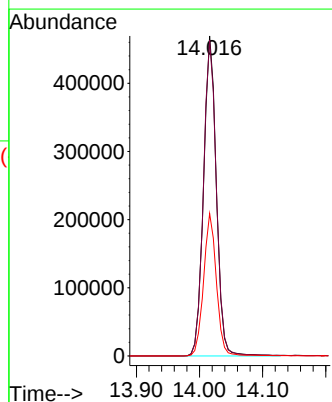
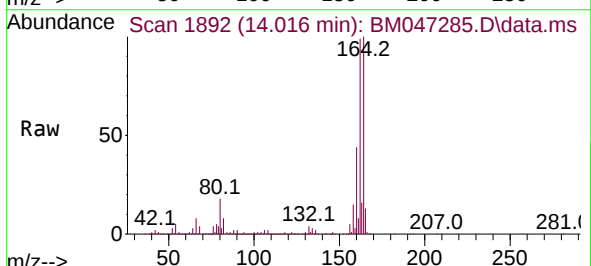
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524-FD

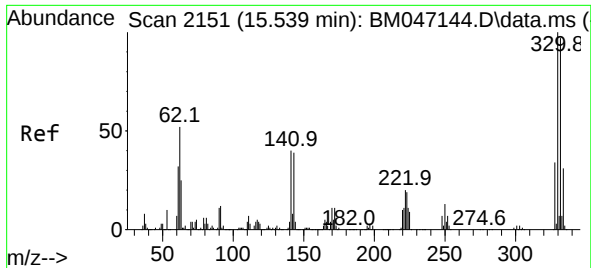
Tgt Ion: 82 Resp: 1031531
Ion Ratio Lower Upper
82 100
128 43.3 32.3 48.5
54 43.8 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. -0.017 min
Lab File: BM047285.D
Acq: 21 Aug 2024 00:53

Tgt Ion: 164 Resp: 662317
Ion Ratio Lower Upper
164 100
162 98.7 80.7 121.1
160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 74.727 ng

RT: 15.528 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524-FD

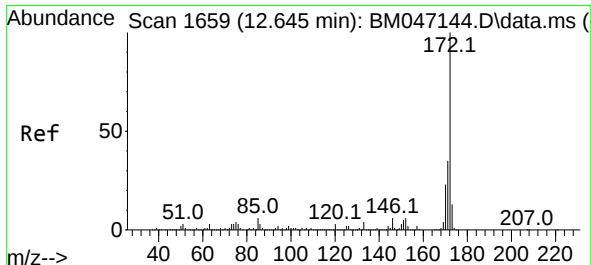
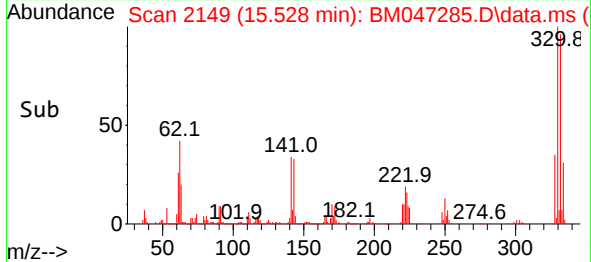
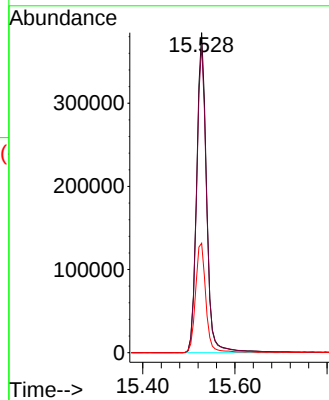
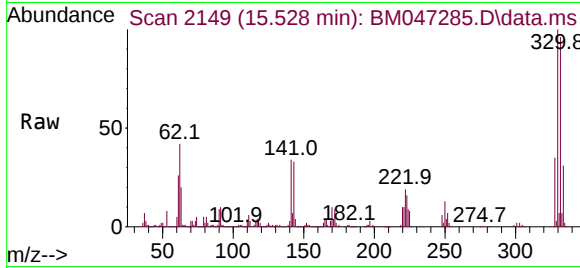
Tgt Ion:330 Resp: 573880

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

141 35.8 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 44.199 ng

RT: 12.622 min Scan# 1655

Delta R.T. -0.023 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

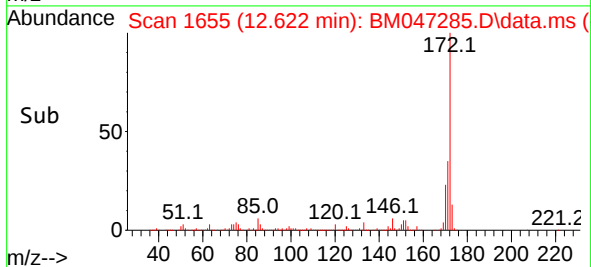
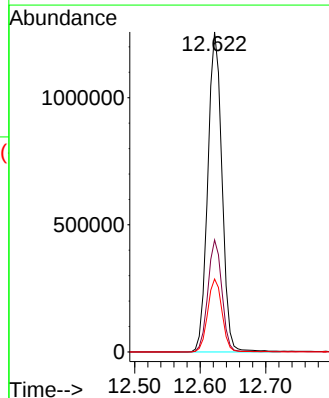
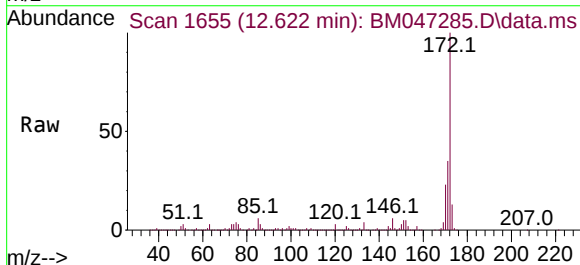
Tgt Ion:172 Resp: 1897774

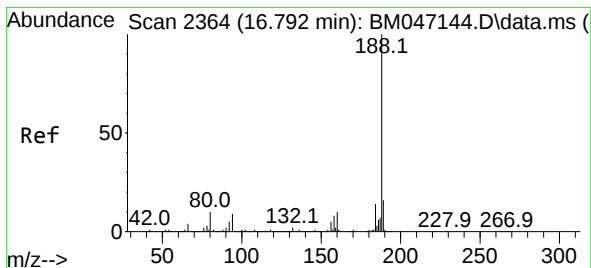
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 22.8 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: BM047285.D

Acq: 21 Aug 2024 00:53

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524-FD

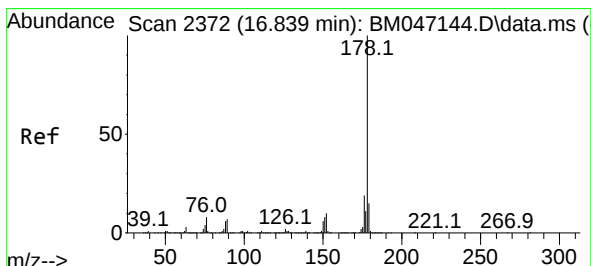
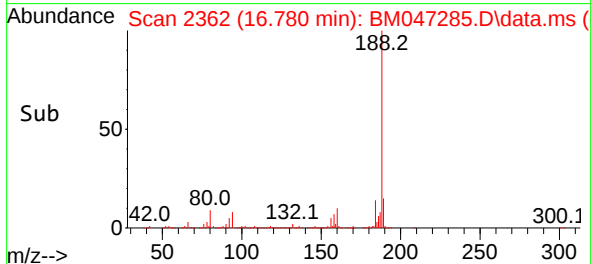
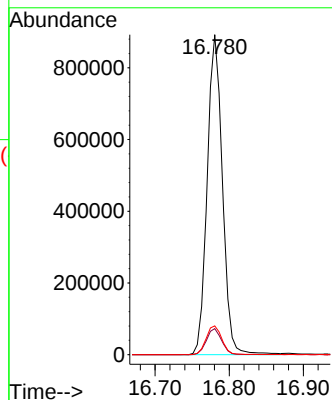
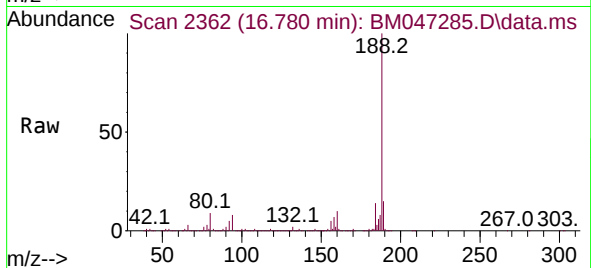
Tgt Ion:188 Resp: 1275847

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

80 9.0 8.0 12.0



#71

Phenanthrene

Concen: 5.124 ng

RT: 16.822 min Scan# 2369

Delta R.T. -0.017 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

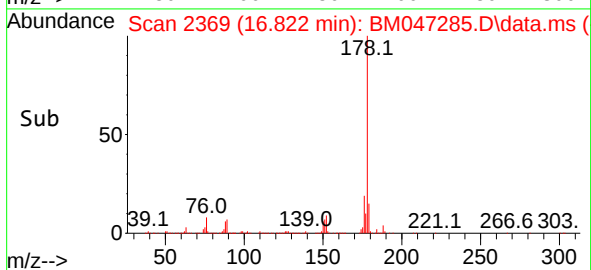
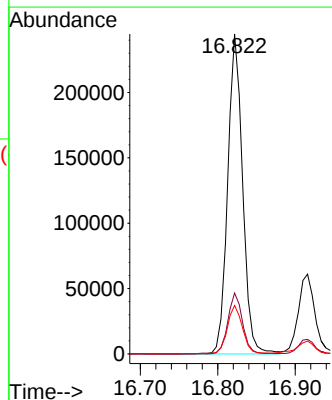
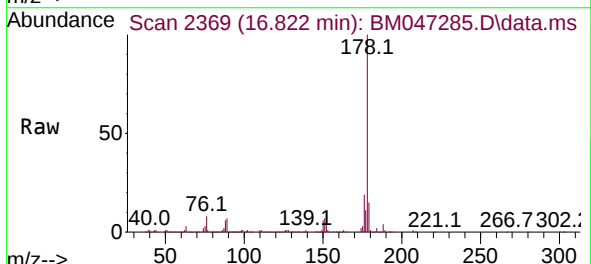
Tgt Ion:178 Resp: 328057

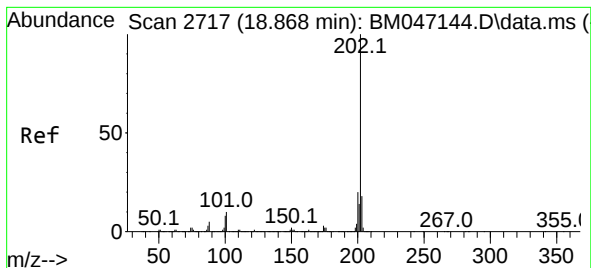
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.2 12.4 18.6





#75

Fluoranthene

Concen: 6.512 ng

RT: 18.857 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

Instrument :

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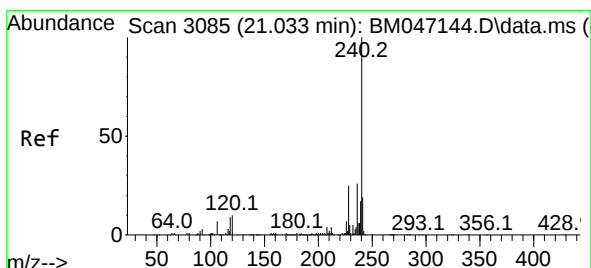
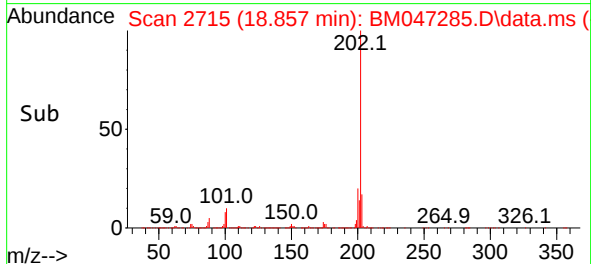
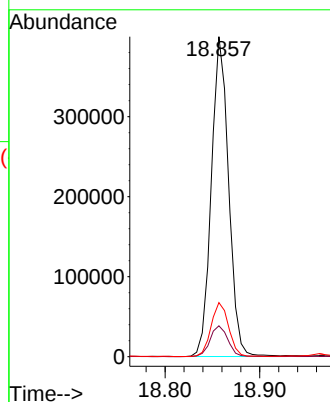
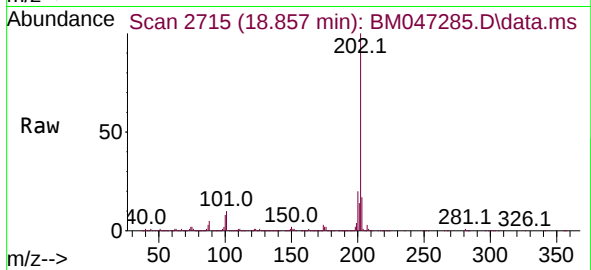
Tgt Ion:202 Resp: 507189

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

203 16.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.016 min Scan# 3082

Delta R.T. -0.017 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

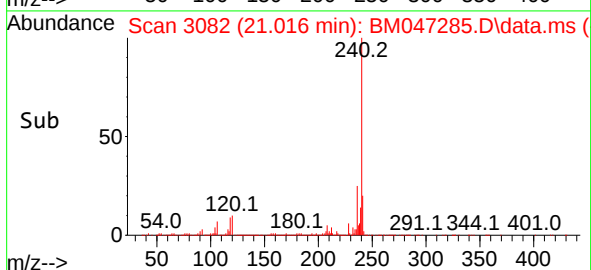
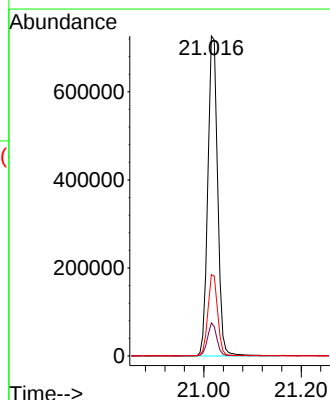
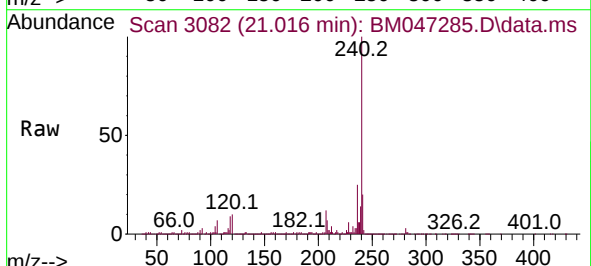
Tgt Ion:240 Resp: 1012371

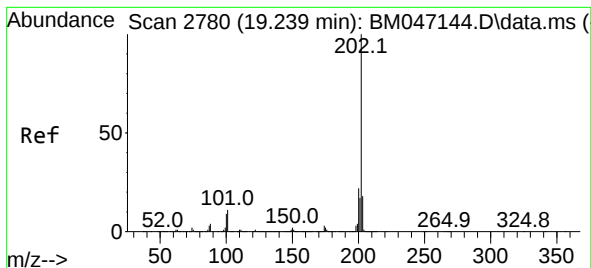
Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.4 20.6 30.8





#78

Pyrene

Concen: 5.811 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524-FD

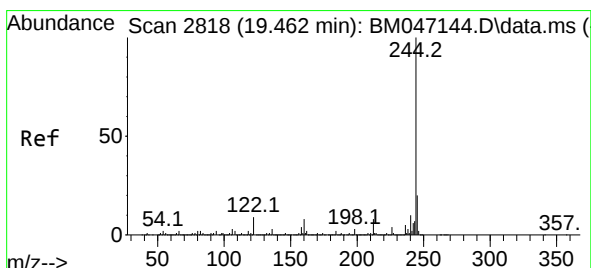
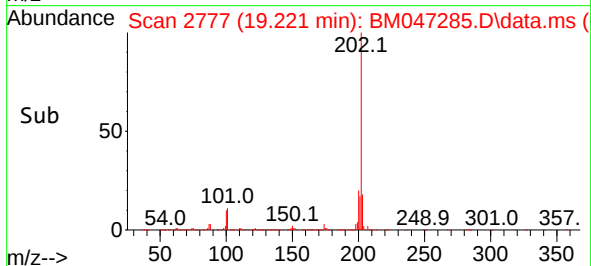
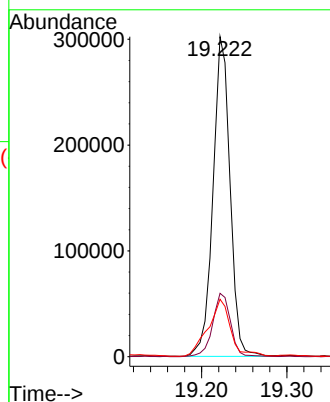
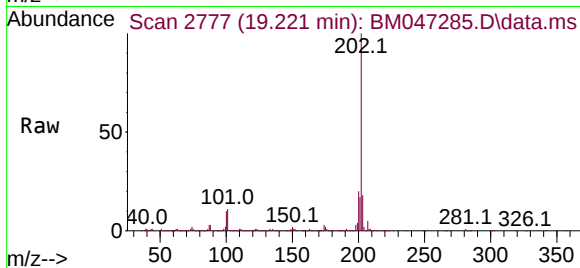
Tgt Ion:202 Resp: 420080

Ion Ratio Lower Upper

202 100

200 19.8 17.2 25.8

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 51.030 ng

RT: 19.451 min Scan# 2816

Delta R.T. -0.012 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

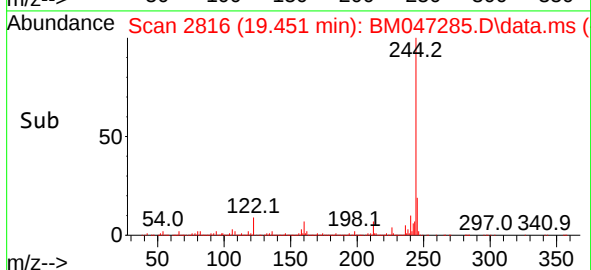
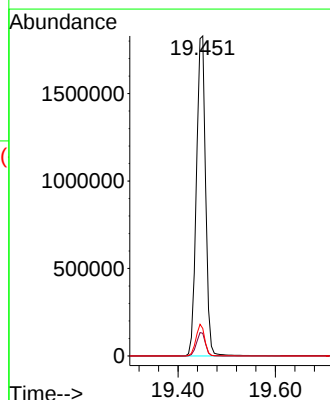
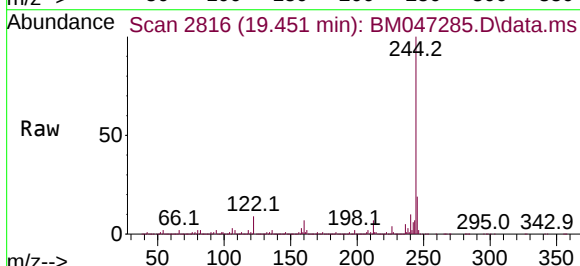
Tgt Ion:244 Resp: 2410941

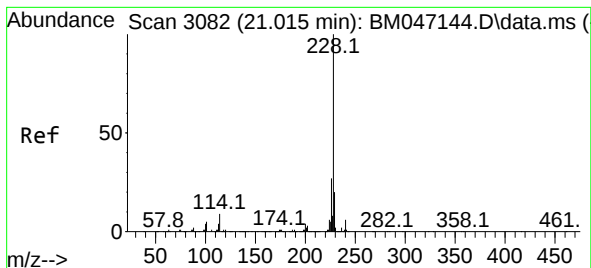
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

122 8.6 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.921 ng

RT: 21.004 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524-FD

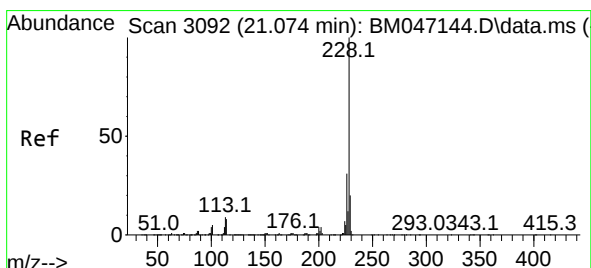
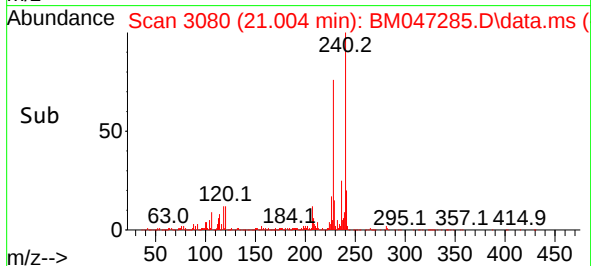
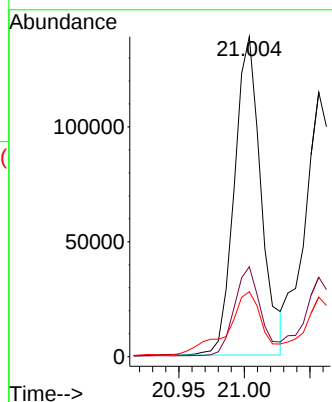
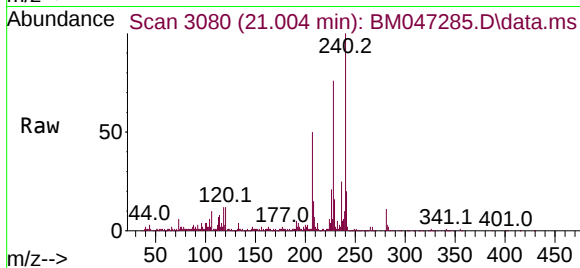
Tgt Ion:228 Resp: 196345

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.6

229 20.3 15.8 23.8



#83

Chrysene

Concen: 2.737 ng

RT: 21.057 min Scan# 3089

Delta R.T. -0.017 min

Lab File: BM047285.D

Acq: 21 Aug 2024 00:53

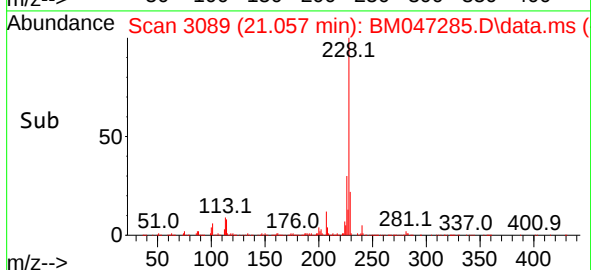
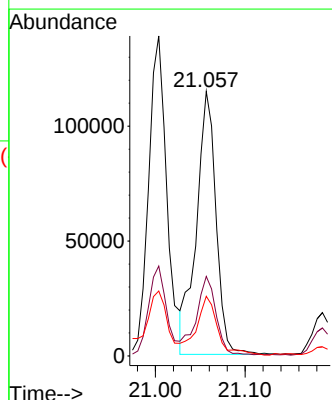
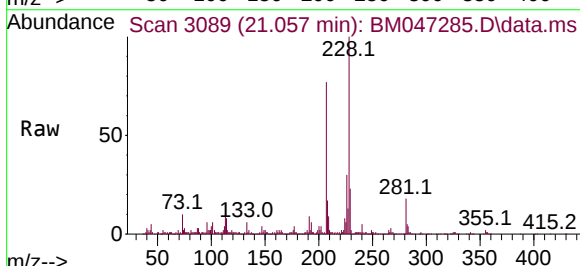
Tgt Ion:228 Resp: 174507

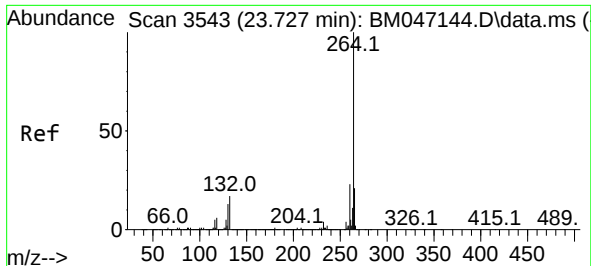
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 22.6 15.7 23.5

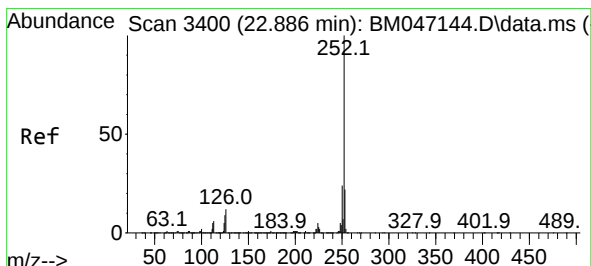
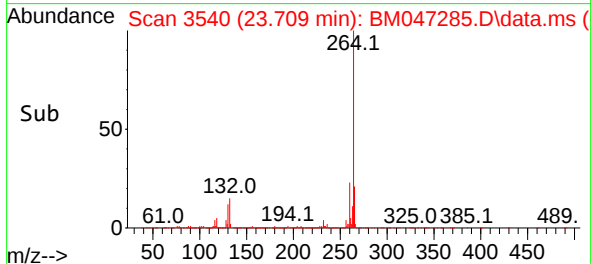
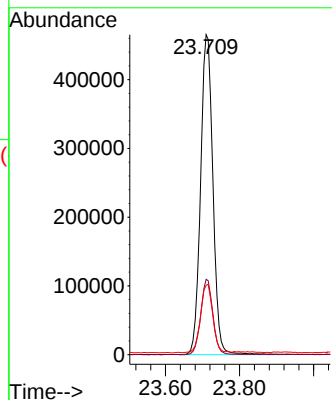
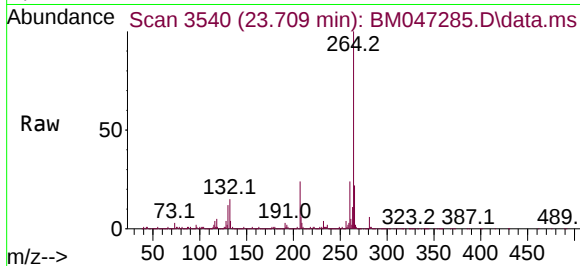




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.709 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BM047285.D
 Acq: 21 Aug 2024 00:53

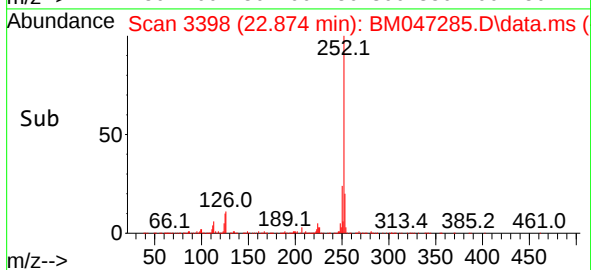
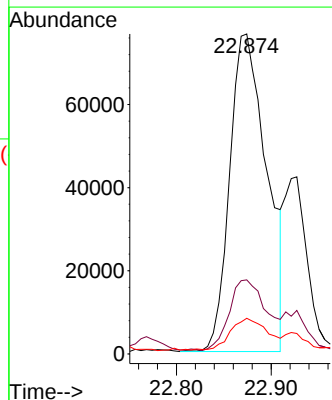
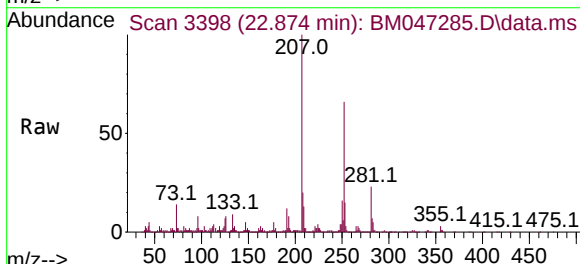
Instrument :
 BNA_M
 ClientSampleId :
 921-J-SD-0-0.5-081524-FD

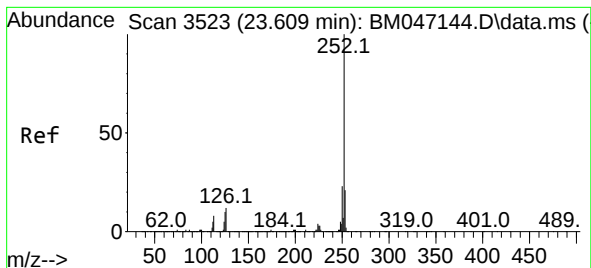
Tgt Ion:264 Resp: 1073299
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.5 27.7
 265 21.7 17.3 25.9



#88
 Benzo(b)fluoranthene
 Concen: 3.261 ng
 RT: 22.874 min Scan# 3398
 Delta R.T. -0.012 min
 Lab File: BM047285.D
 Acq: 21 Aug 2024 00:53

Tgt Ion:252 Resp: 207849
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.8 26.6
 125 11.1 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.684 ng

RT: 23.586 min Scan# 31

Delta R.T. -0.023 min

Lab File: BM047285.D

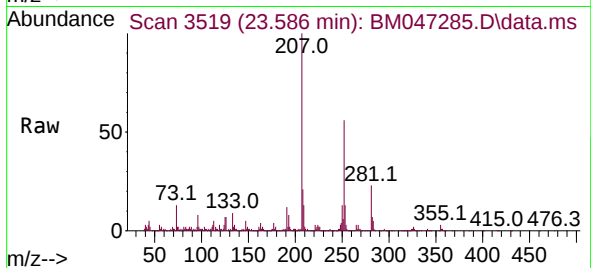
Acq: 21 Aug 2024 00:53

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524-FD



Tgt Ion:252 Resp: 148218

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 12.3 8.2 12.2#

