

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039115.D
 Acq On : 23 Mar 2023 12:48
 Operator : CG/JU
 Sample : 02001-08RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3RE

Quant Time: Mar 24 04:29:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

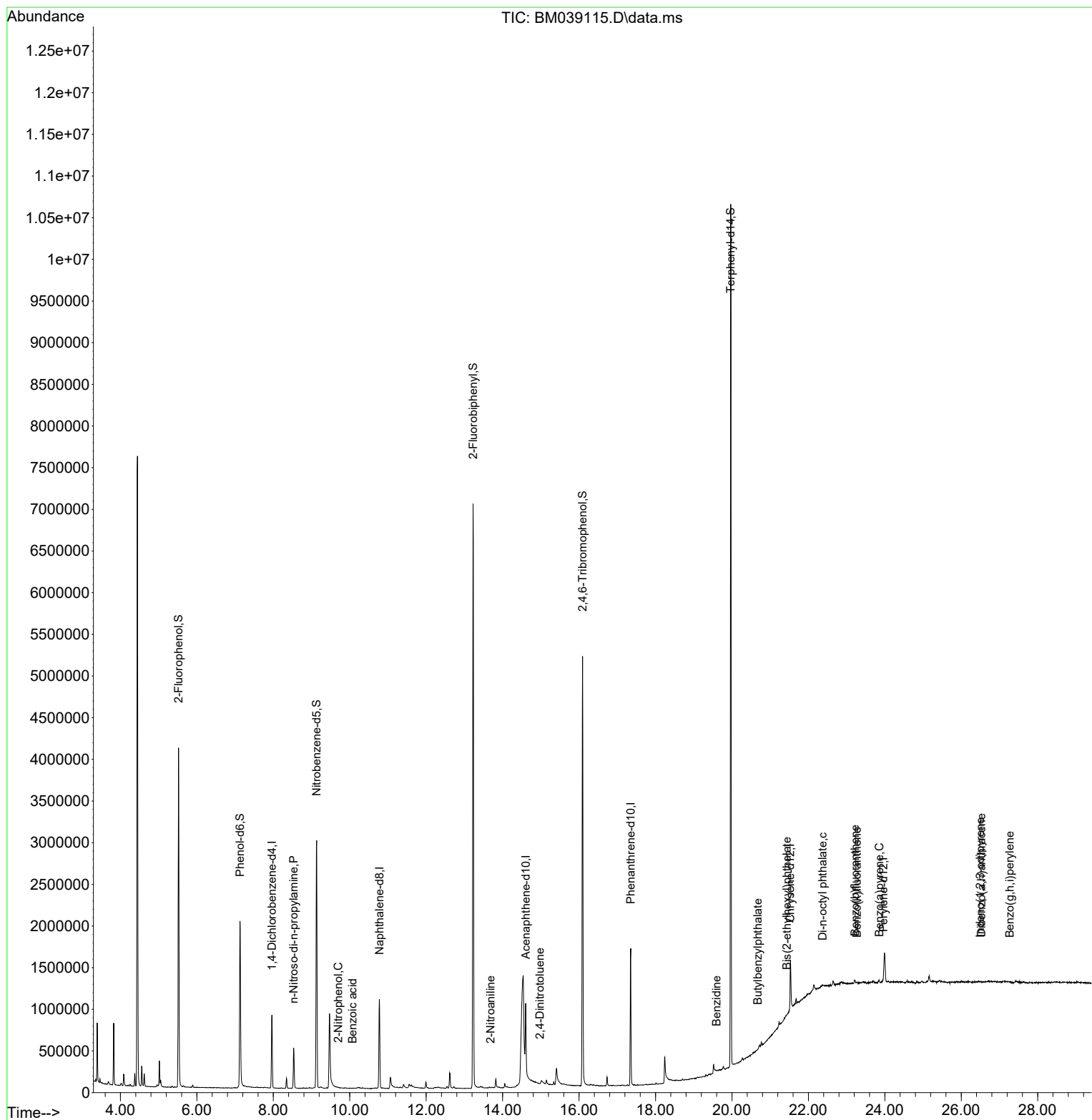
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	236817	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	890079	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	228576	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	854844	20.000	ng	0.00
76) Chrysene-d12	21.527	240	130048	20.000	ng	# 0.00
86) Perylene-d12	23.962	264	3636	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1853477	118.909	ng	0.00
7) Phenol-d6	7.128	99	1190188	58.785	ng	0.00
23) Nitrobenzene-d5	9.134	82	1762268	97.255	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	953905	360.745	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	3631707	206.835	ng	0.00
79) Terphenyl-d14	19.968	244	4022324	565.495	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.534	70	38647	3.031	ng	# 37
26) 2-Nitrophenol	9.698	139	56	2.997	ng	# 1
32) Benzoic acid	10.075	122	53	5.737	ng	# 1
48) 2-Nitroaniline	13.686	65	77	2.231	ng	# 35
57) 2,4-Dinitrotoluene	14.974	165	402	2.146	ng	# 5
77) Benzidine	19.598	184	251	4.952	ng	# 1
80) Butylbenzylphthalate	20.674	149	475	3.422	ng	# 90
84) Bis(2-ethylhexyl)phtha...	21.439	149	3081	2.972	ng	# 97
85) Di-n-octyl phthalate	22.374	149	1521	3.937	ng	# 68
87) Indeno(1,2,3-cd)pyrene	26.497	276	2815	10.174	ng	# 77
88) Benzo(b)fluoranthene	23.221	252	10090	43.437	ng	# 19
89) Benzo(k)fluoranthene	23.274	252	6984	28.890	ng	# 1
90) Benzo(a)pyrene	23.856	252	3286	14.698	ng	# 1
91) Dibenzo(a,h)anthracene	26.527	278	2661	11.357	ng	# 1
92) Benzo(g,h,i)perylene	27.268	276	2158	9.414	ng	# 35

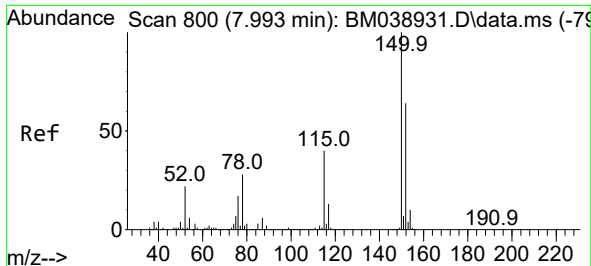
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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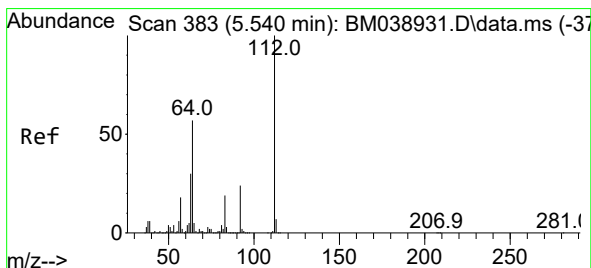
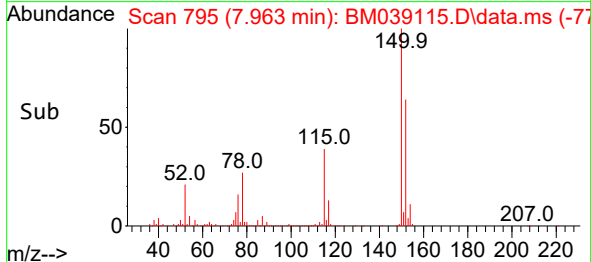
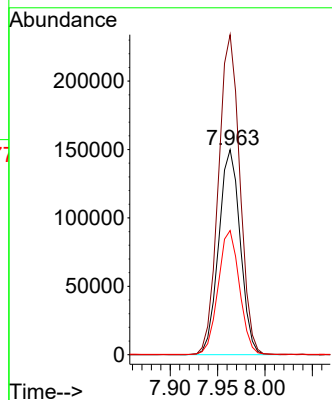
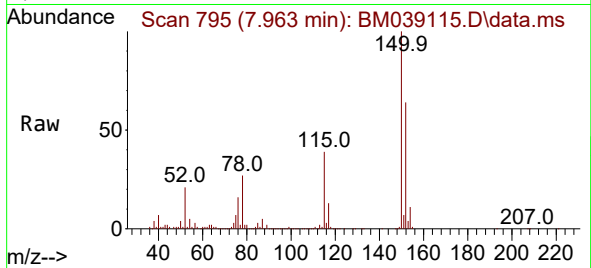




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

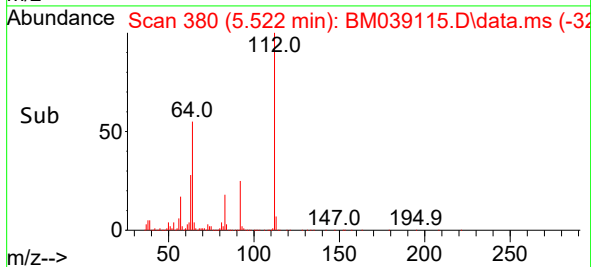
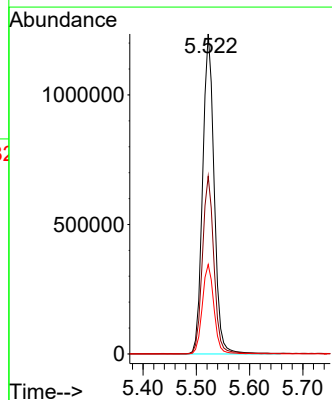
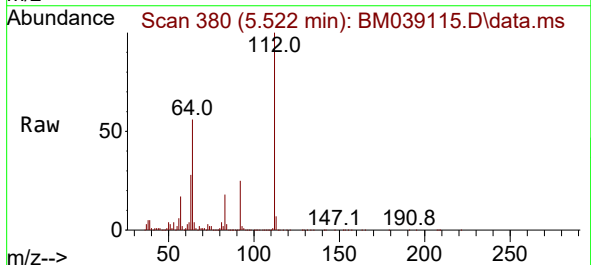
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

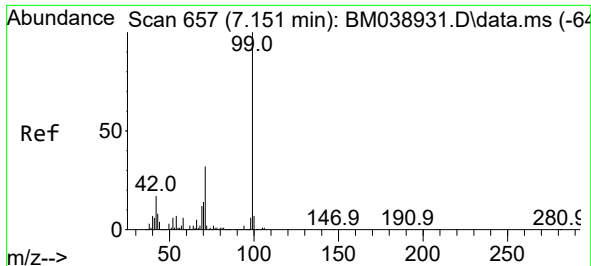
Tgt Ion:152 Resp: 236817
Ion Ratio Lower Upper
152 100
150 156.1 125.1 187.7
115 60.6 49.6 74.4



#5
2-Fluorophenol
Concen: 118.909 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion:112 Resp: 1853477
Ion Ratio Lower Upper
112 100
64 55.5 45.9 68.9
63 28.0 23.8 35.8

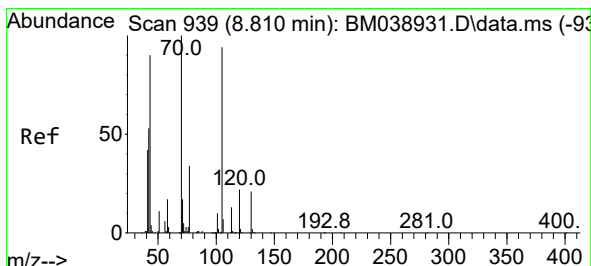
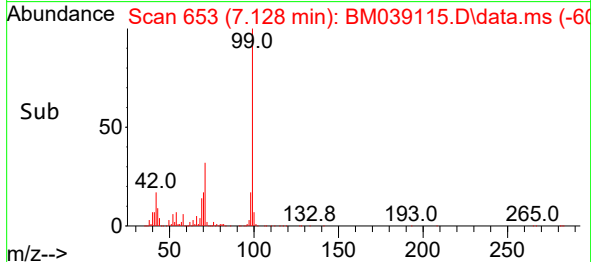
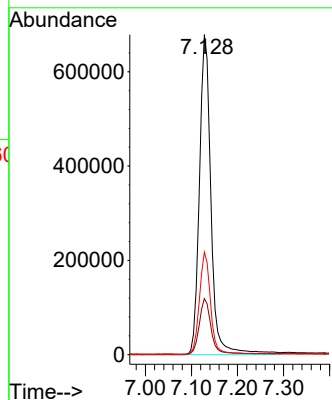
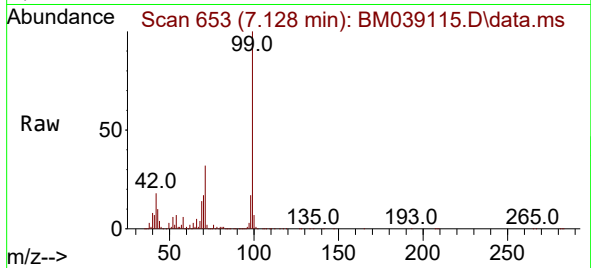




#7
Phenol-d6
Concen: 58.785 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

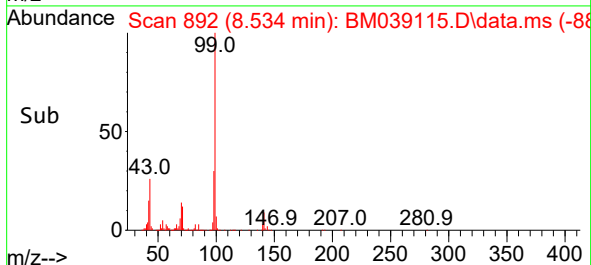
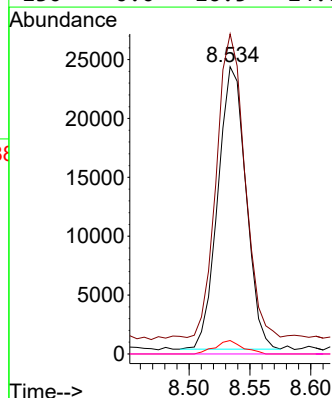
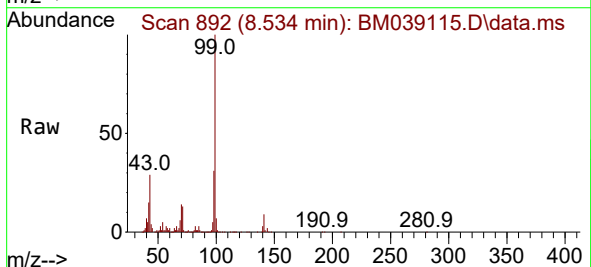
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

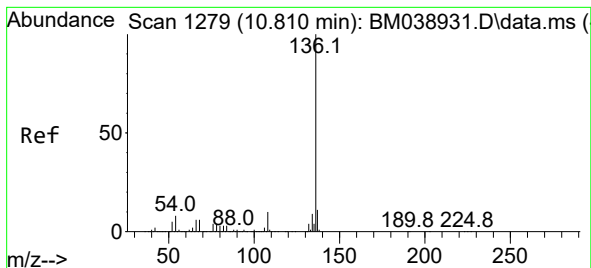
Tgt Ion: 99 Resp: 1190188
Ion Ratio Lower Upper
99 100
42 17.5 13.5 20.3
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.031 ng
RT: 8.534 min Scan# 892
Delta R.T. -0.253 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion: 70 Resp: 38647
Ion Ratio Lower Upper
70 100
42 111.4 43.4 65.2#
101 4.7 7.6 11.4#
130 0.0 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.775 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE

Tgt Ion:136 Resp: 890079

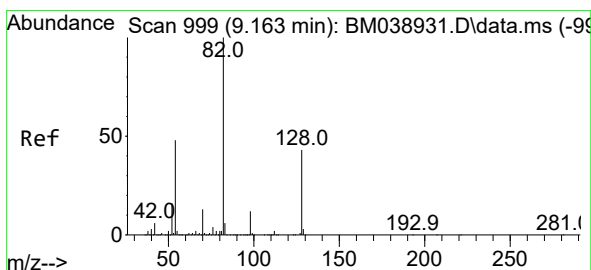
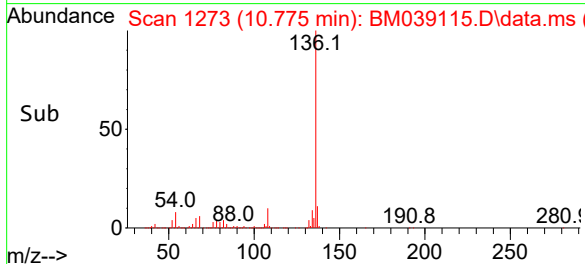
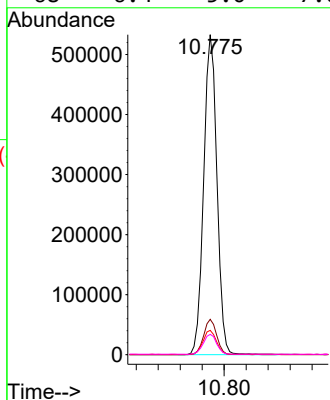
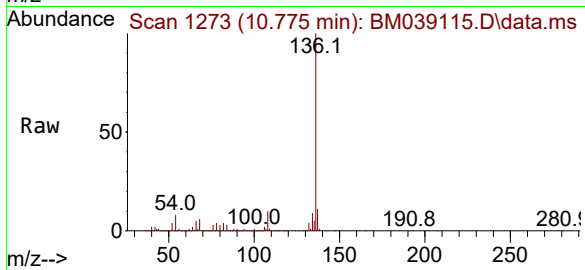
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.6 6.3 9.5

68 6.4 5.0 7.6



#23

Nitrobenzene-d5

Concen: 97.255 ng

RT: 9.134 min Scan# 994

Delta R.T. -0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

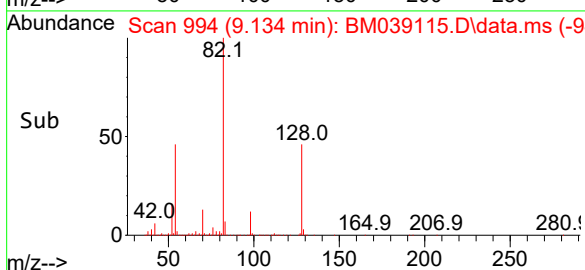
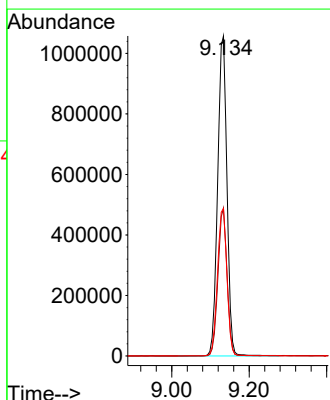
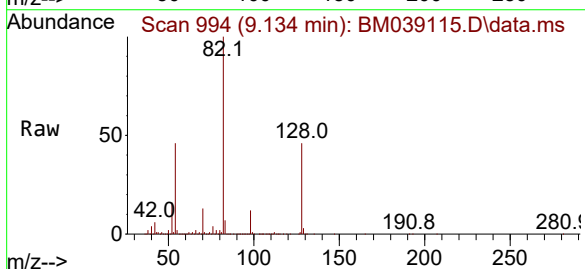
Tgt Ion: 82 Resp: 1762268

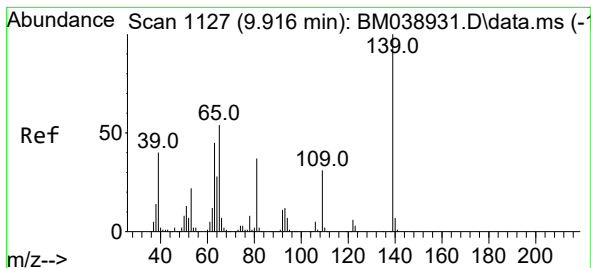
Ion Ratio Lower Upper

82 100

128 46.2 34.4 51.6

54 46.1 38.8 58.2

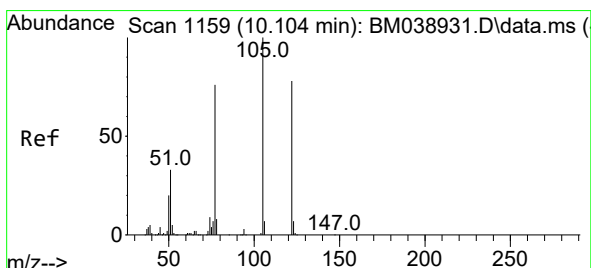
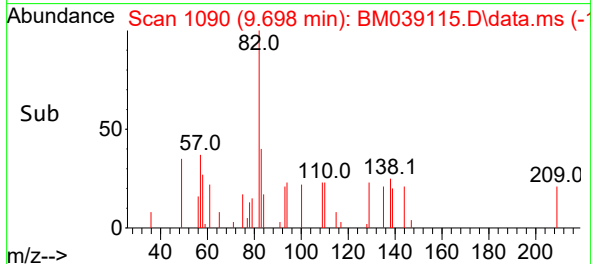
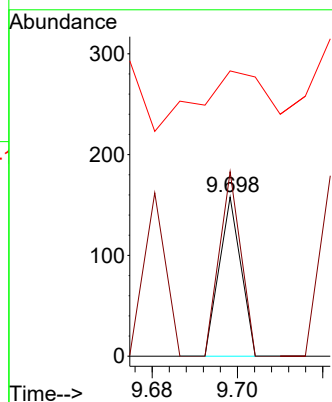
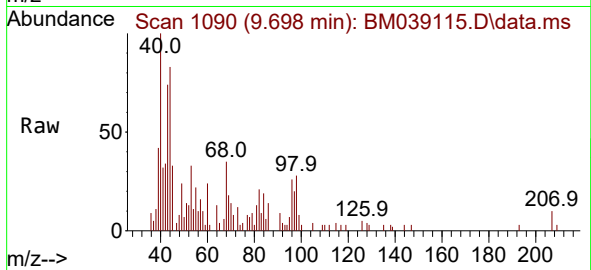




#26
2-Nitrophenol
Concen: 2.997 ng
RT: 9.698 min Scan# 1127
Delta R.T. -0.194 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

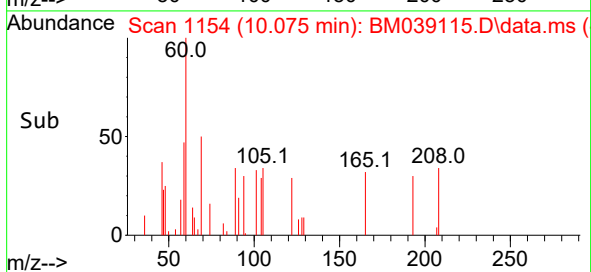
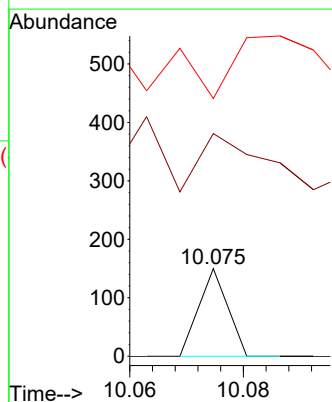
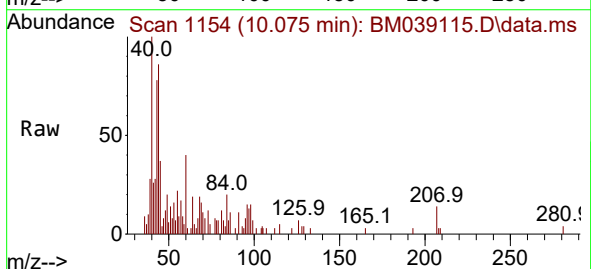
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

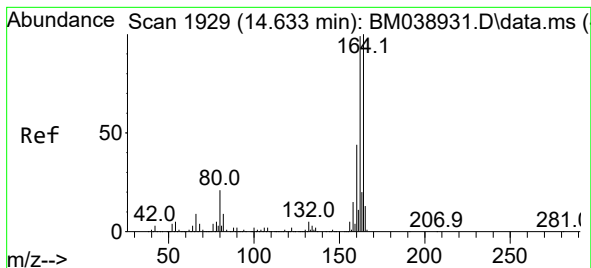
Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 115.8 24.5 36.7#
65 179.1 43.0 64.6#



#32
Benzoic acid
Concen: 5.737 ng
RT: 10.075 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 254.0 104.2 144.2#
77 294.0 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.604 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE

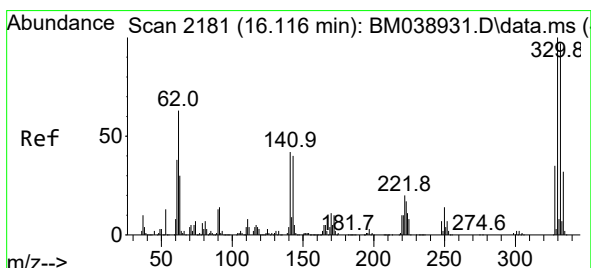
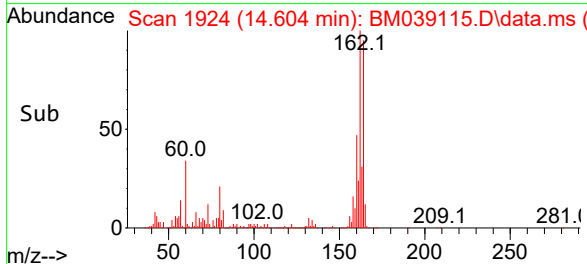
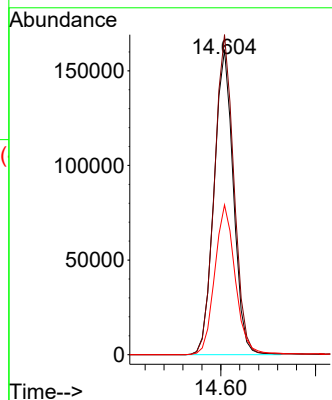
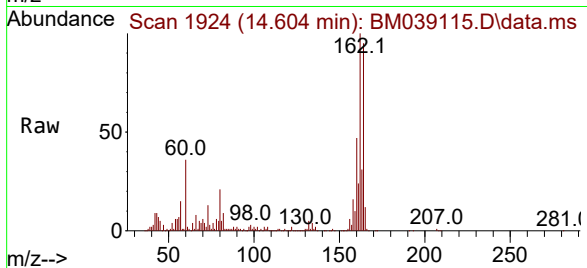
Tgt Ion:164 Resp: 228576

Ion Ratio Lower Upper

164 100

162 104.9 79.2 118.8

160 49.1 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 360.745 ng

RT: 16.092 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

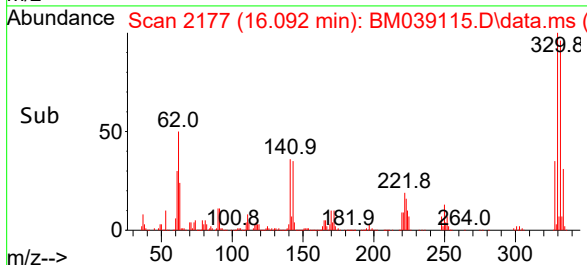
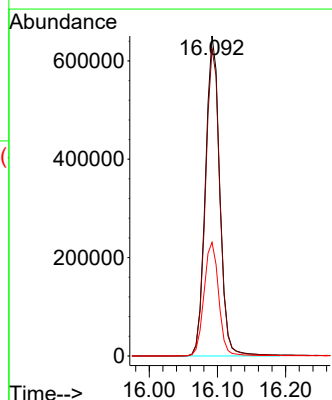
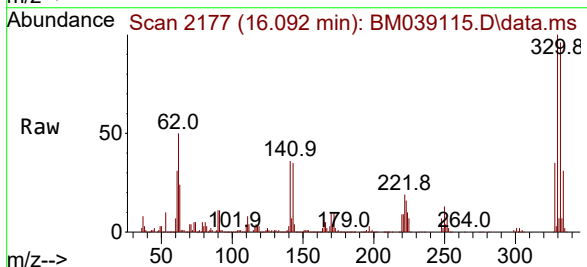
Tgt Ion:330 Resp: 953905

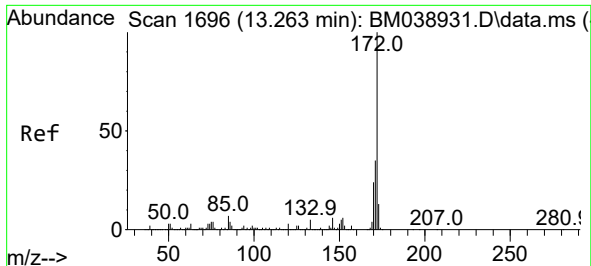
Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 36.7 32.2 48.4

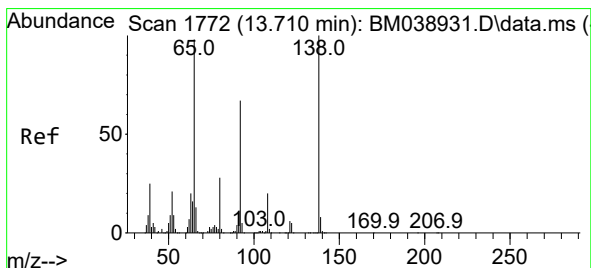
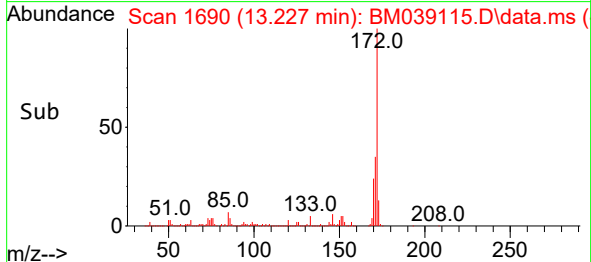
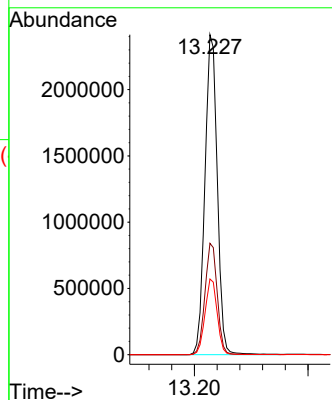
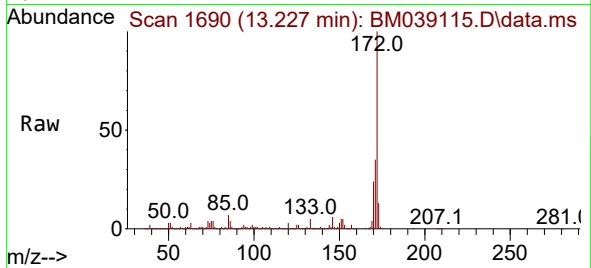




#45
2-Fluorobiphenyl
Concen: 206.835 ng
RT: 13.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

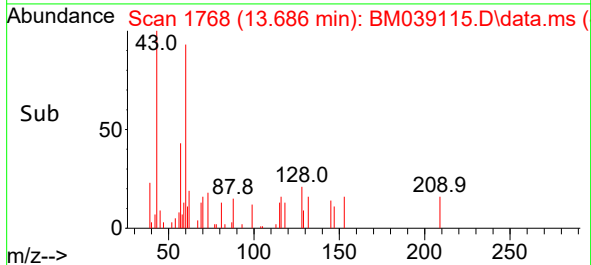
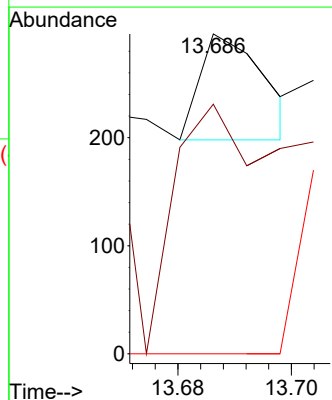
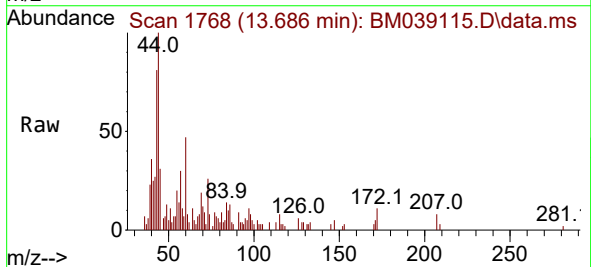
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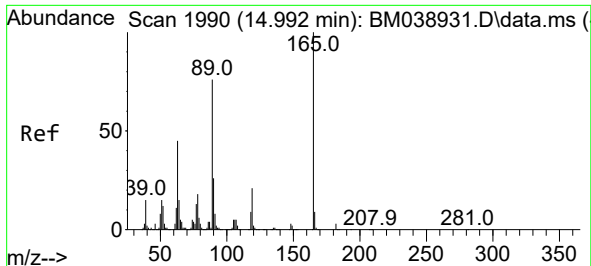
Tgt Ion:172 Resp: 3631707
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.7 19.1 28.7



#48
2-Nitroaniline
Concen: 2.231 ng
RT: 13.686 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion: 65 Resp: 77
Ion Ratio Lower Upper
65 100
92 78.0 54.9 82.3
138 0.0 81.6 122.4#





#57

2,4-Dinitrotoluene

Concen: 2.146 ng

RT: 14.974 min Scan# 1990

Delta R.T. 0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE

Tgt Ion:165 Resp: 402

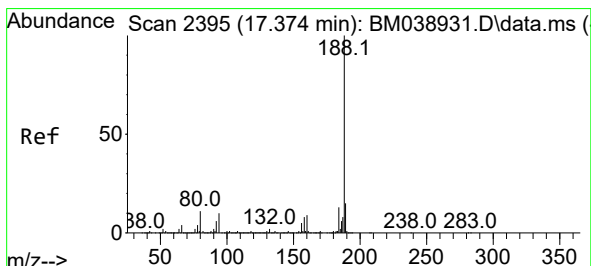
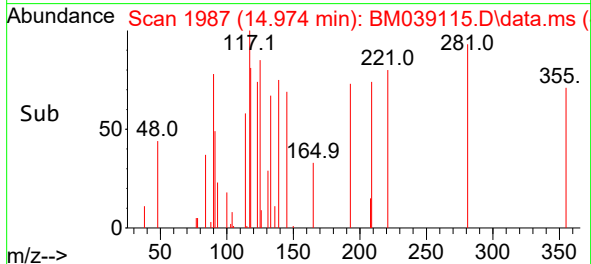
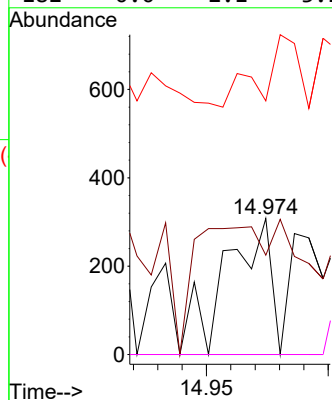
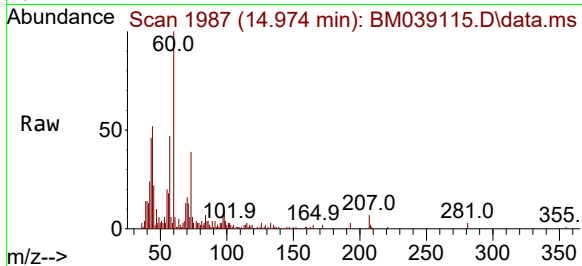
Ion Ratio Lower Upper

165 100

63 73.1 35.9 53.9#

89 186.4 61.0 91.6#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. 0.000 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

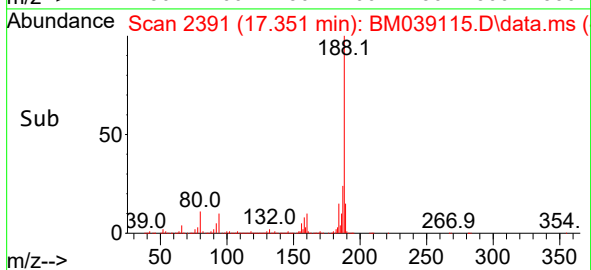
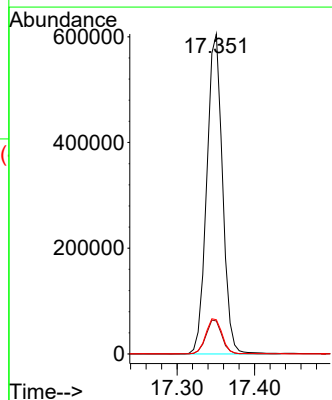
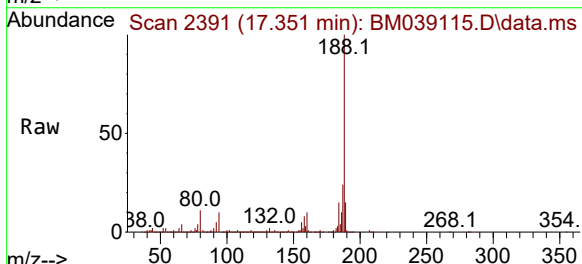
Tgt Ion:188 Resp: 854844

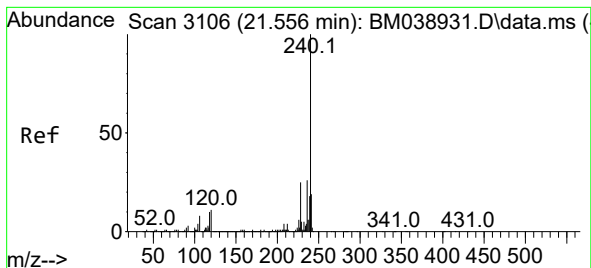
Ion Ratio Lower Upper

188 100

94 10.3 7.9 11.9

80 10.7 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE

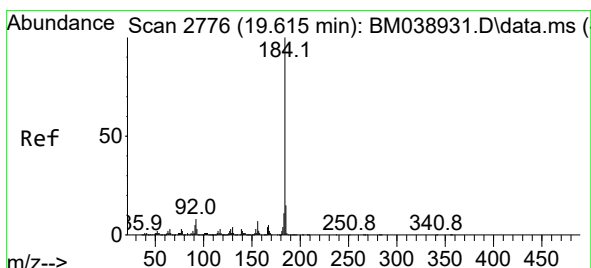
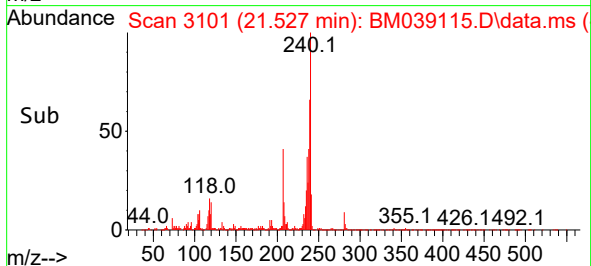
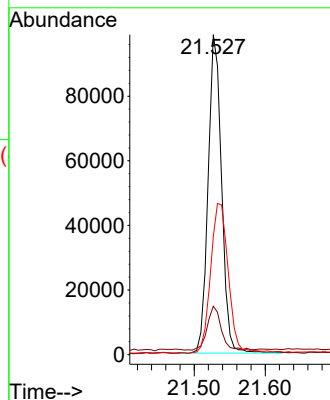
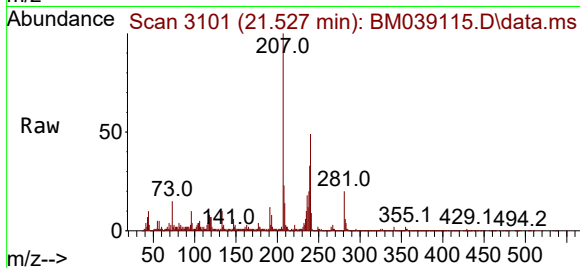
Tgt Ion:240 Resp: 130048

Ion Ratio Lower Upper

240 100

120 15.2 9.2 13.8#

236 37.0 20.8 31.2#



#77

Benzidine

Concen: 4.952 ng

RT: 19.598 min Scan# 2773

Delta R.T. 0.006 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

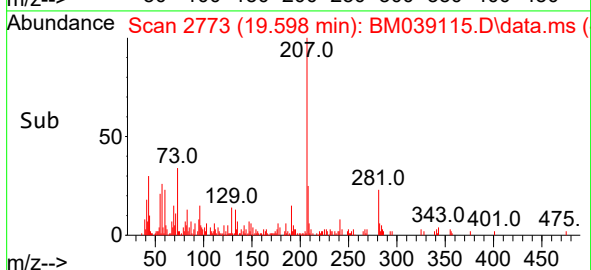
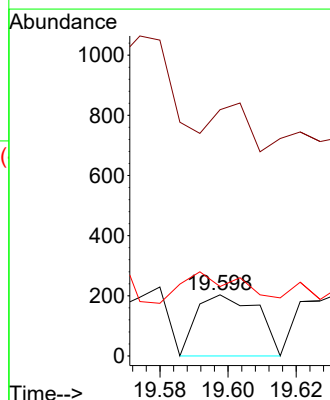
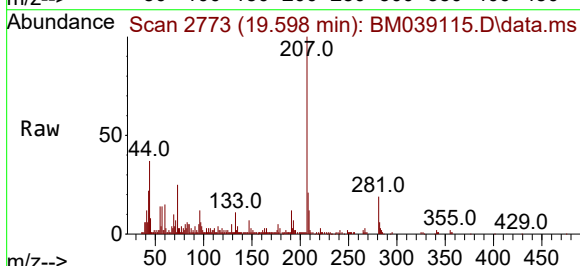
Tgt Ion:184 Resp: 251

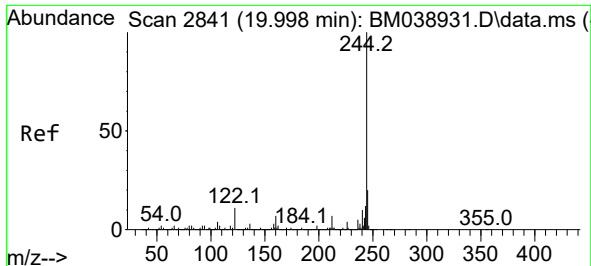
Ion Ratio Lower Upper

184 100

185 403.4 12.2 18.4#

183 113.8 8.8 13.2#

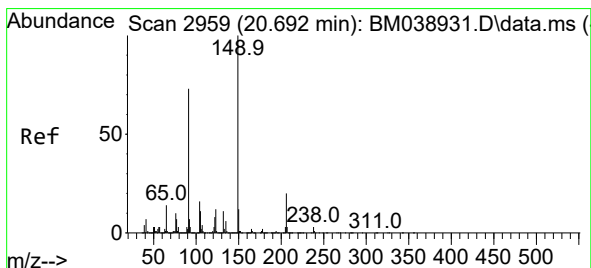
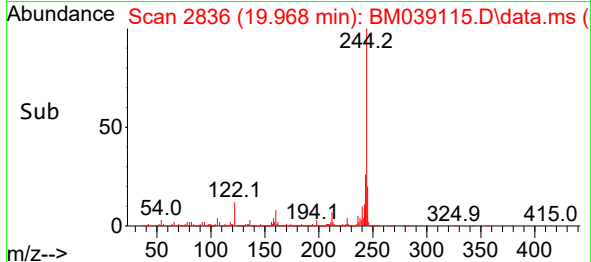
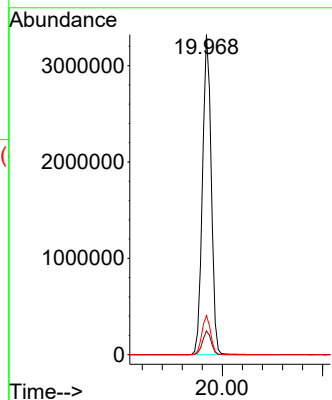
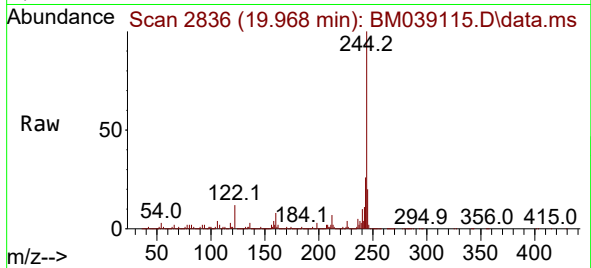




#79
 Terphenyl-d14
 Concen: 565.495 ng
 RT: 19.968 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039115.D
 Acq: 23 Mar 2023 12:48

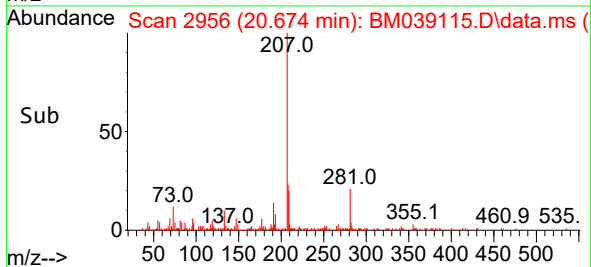
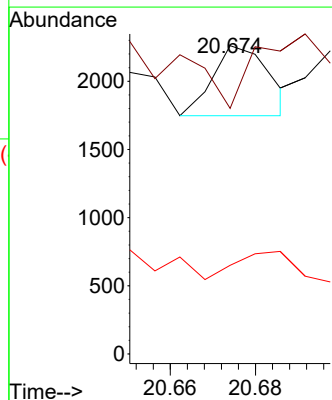
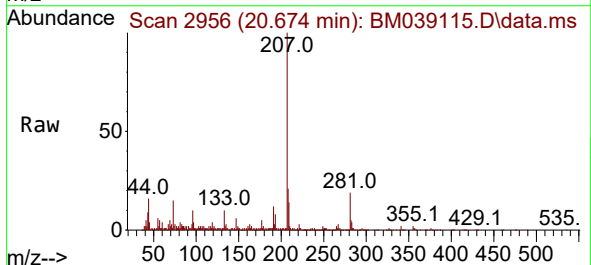
Instrument :
 BNA_M
 ClientSampleId :
 IRV-3RE

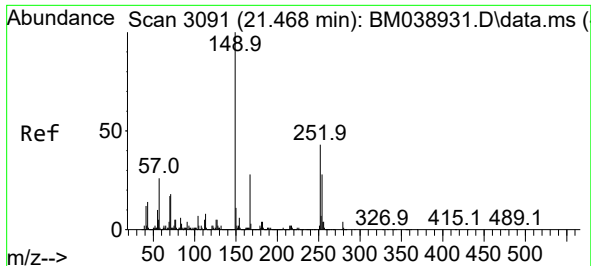
Tgt Ion:244 Resp: 4022324
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 12.2 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.422 ng
 RT: 20.674 min Scan# 2956
 Delta R.T. 0.012 min
 Lab File: BM039115.D
 Acq: 23 Mar 2023 12:48

Tgt Ion:149 Resp: 475
 Ion Ratio Lower Upper
 149 100
 91 79.7 58.4 87.6
 206 28.8 16.1 24.1#

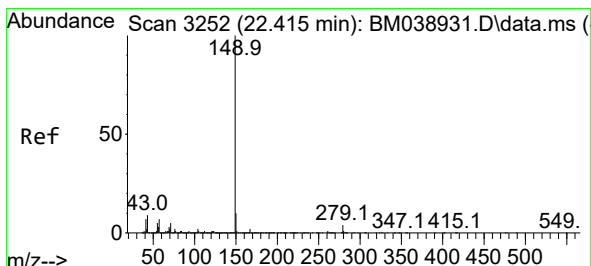
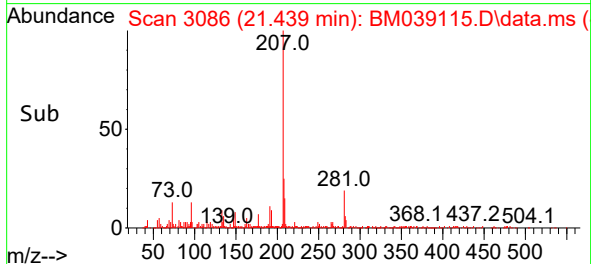
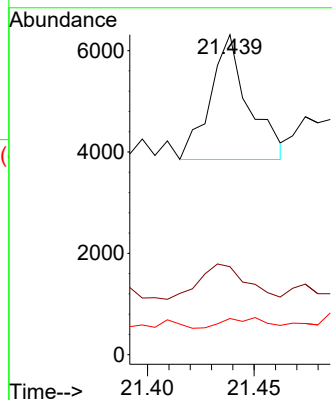
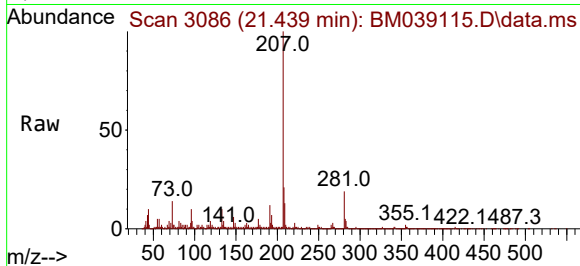




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.972 ng
RT: 21.439 min Scan# 3086
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

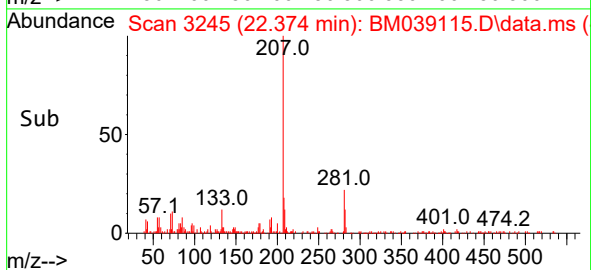
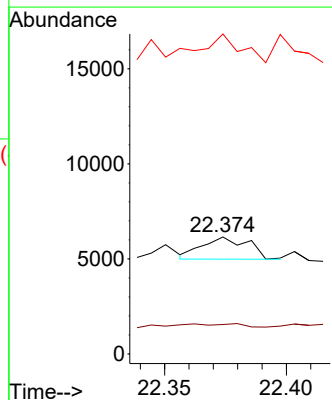
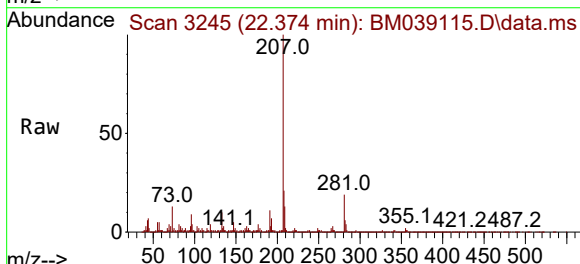
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

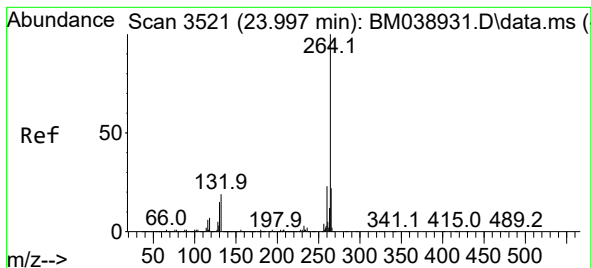
Tgt Ion:149 Resp: 3081
Ion Ratio Lower Upper
149 100
167 27.5 22.3 33.5
279 11.3 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.937 ng
RT: 22.374 min Scan# 3245
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion:149 Resp: 1521
Ion Ratio Lower Upper
149 100
167 28.2 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE

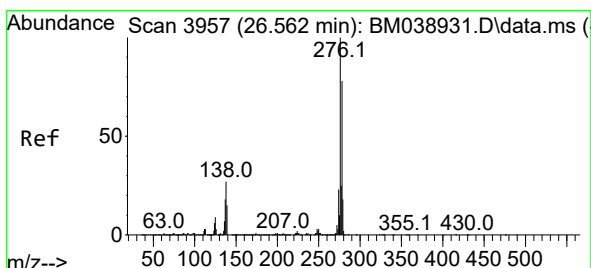
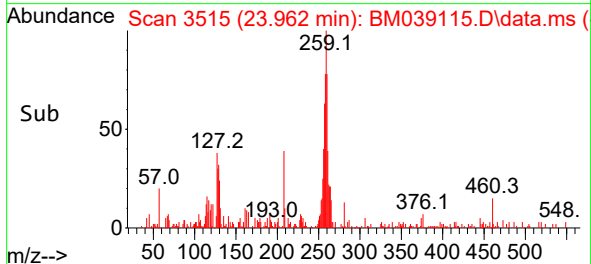
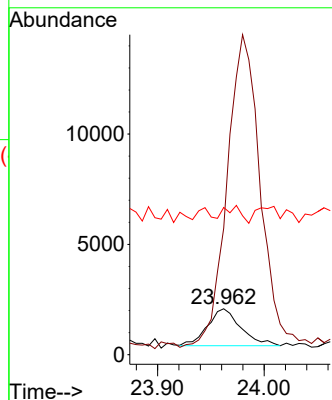
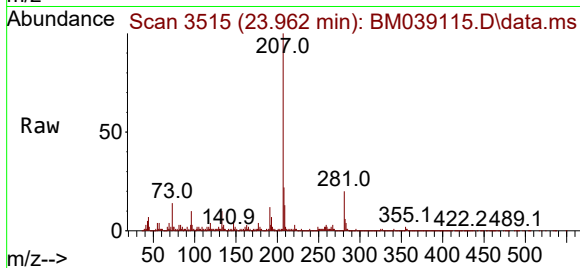
Tgt Ion:264 Resp: 3636

Ion Ratio Lower Upper

264 100

260 275.3 18.7 28.1#

265 320.1 17.9 26.9#



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.174 ng

RT: 26.497 min Scan# 3946

Delta R.T. 0.000 min

Lab File: BM039115.D

Acq: 23 Mar 2023 12:48

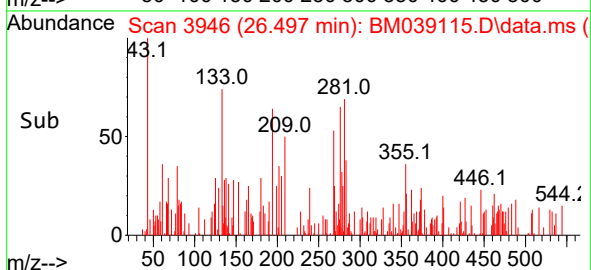
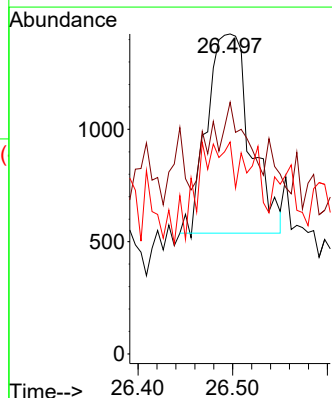
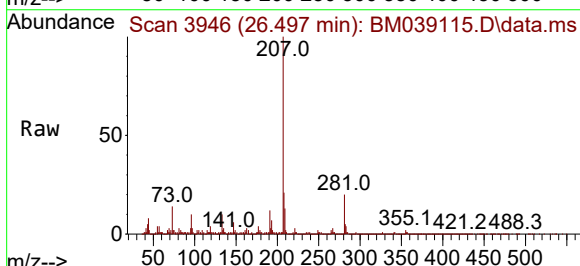
Tgt Ion:276 Resp: 2815

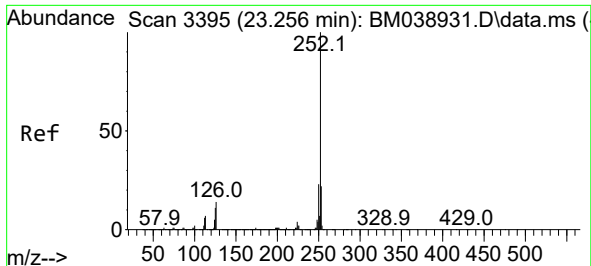
Ion Ratio Lower Upper

276 100

138 34.3 22.1 33.1#

277 42.7 20.1 30.1#

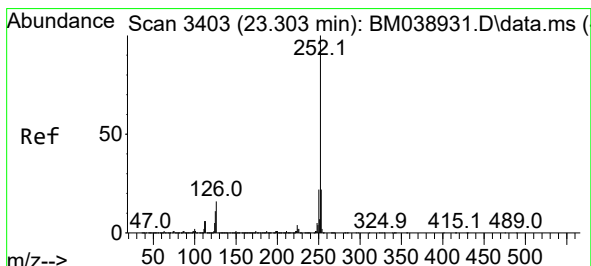
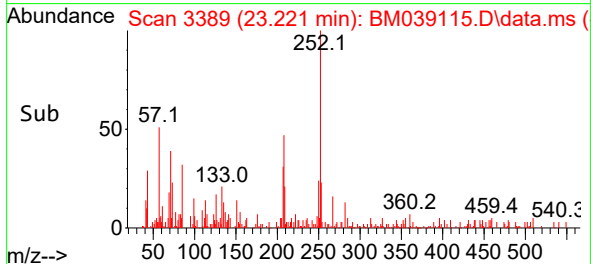
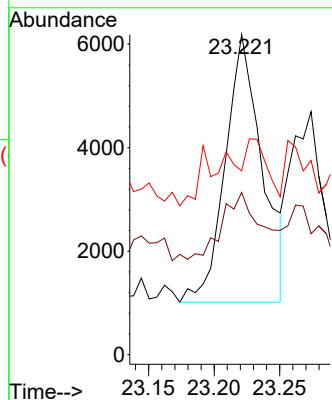
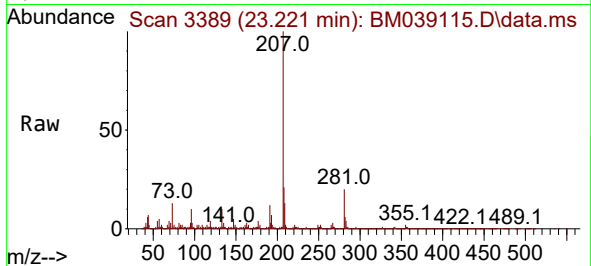




#88
Benzo(b)fluoranthene
Concen: 43.437 ng
RT: 23.221 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

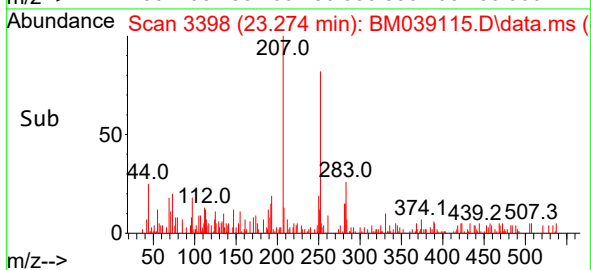
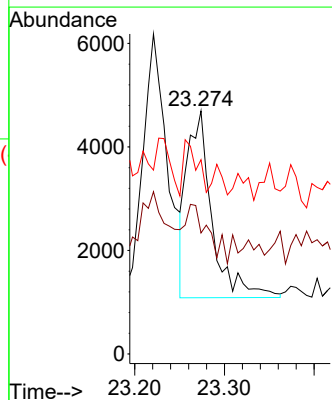
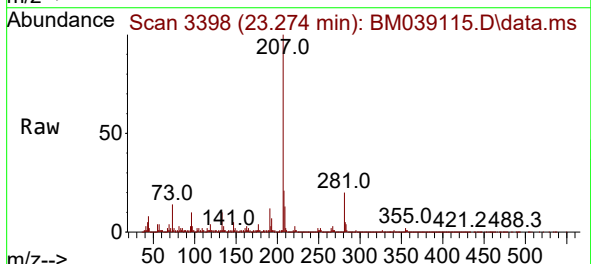
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

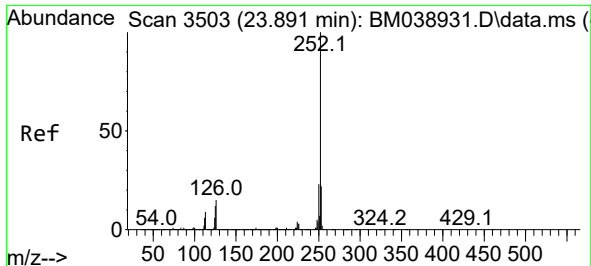
Tgt Ion:252 Resp: 10090
Ion Ratio Lower Upper
252 100
253 50.7 17.6 26.4#
125 57.4 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 28.890 ng
RT: 23.274 min Scan# 3398
Delta R.T. 0.006 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion:252 Resp: 6984
Ion Ratio Lower Upper
252 100
253 49.8 17.5 26.3#
125 79.9 8.9 13.3#

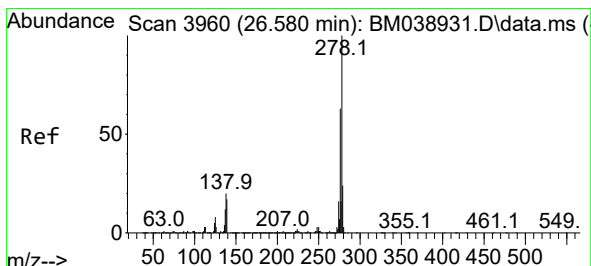
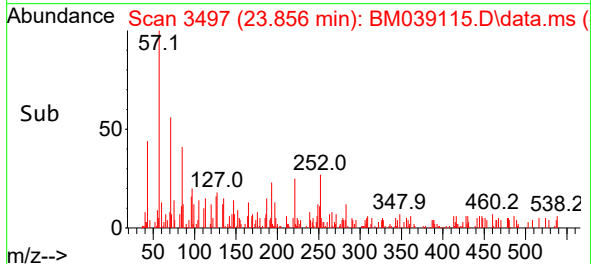
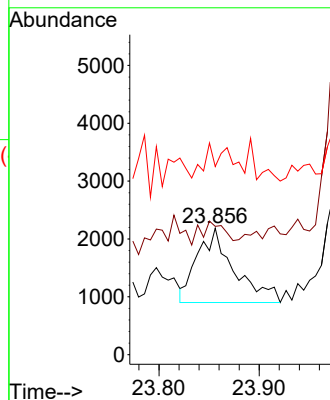
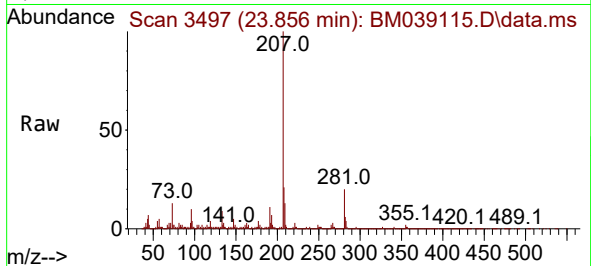




#90
Benzo(a)pyrene
Concen: 14.698 ng
RT: 23.856 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

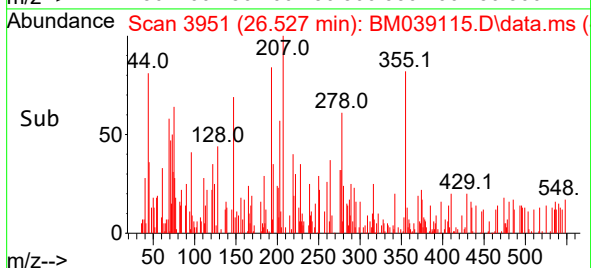
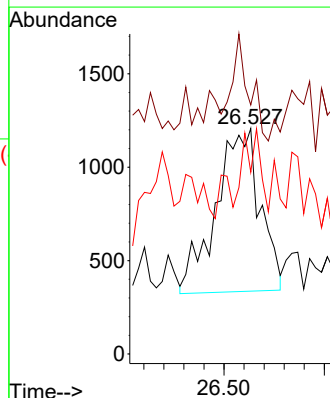
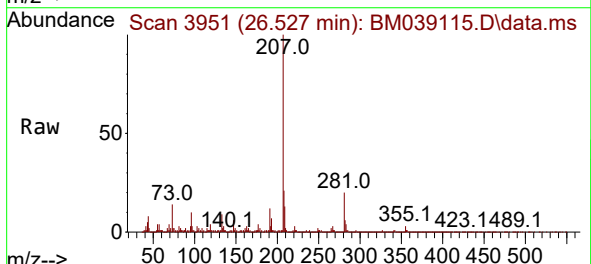
Instrument :
BNA_M
ClientSampleId :
IRV-3RE

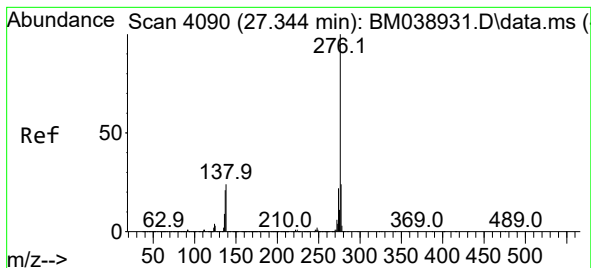
Tgt Ion:252 Resp: 3286
Ion Ratio Lower Upper
252 100
253 101.4 17.6 26.4#
125 148.7 9.8 14.8#



#91
Dibenzo(a,h)anthracene
Concen: 11.357 ng
RT: 26.527 min Scan# 3951
Delta R.T. 0.018 min
Lab File: BM039115.D
Acq: 23 Mar 2023 12:48

Tgt Ion:278 Resp: 2661
Ion Ratio Lower Upper
278 100
139 110.4 13.7 20.5#
279 80.6 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 9.414 ng

RT: 27.268 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM039115.D

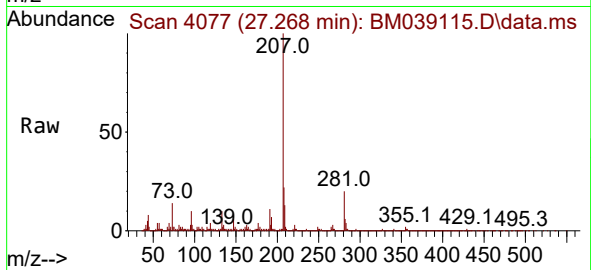
Acq: 23 Mar 2023 12:48

Instrument :

BNA_M

ClientSampleId :

IRV-3RE



Tgt Ion:276 Resp: 2158

Ion Ratio Lower Upper

276 100

277 56.6 19.3 28.9#

138 55.7 19.0 28.6#

