

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039089.D
 Acq On : 22 Mar 2023 12:55
 Operator : CG/JU
 Sample : 02001-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-2

Quant Time: Mar 23 04:21:25 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)

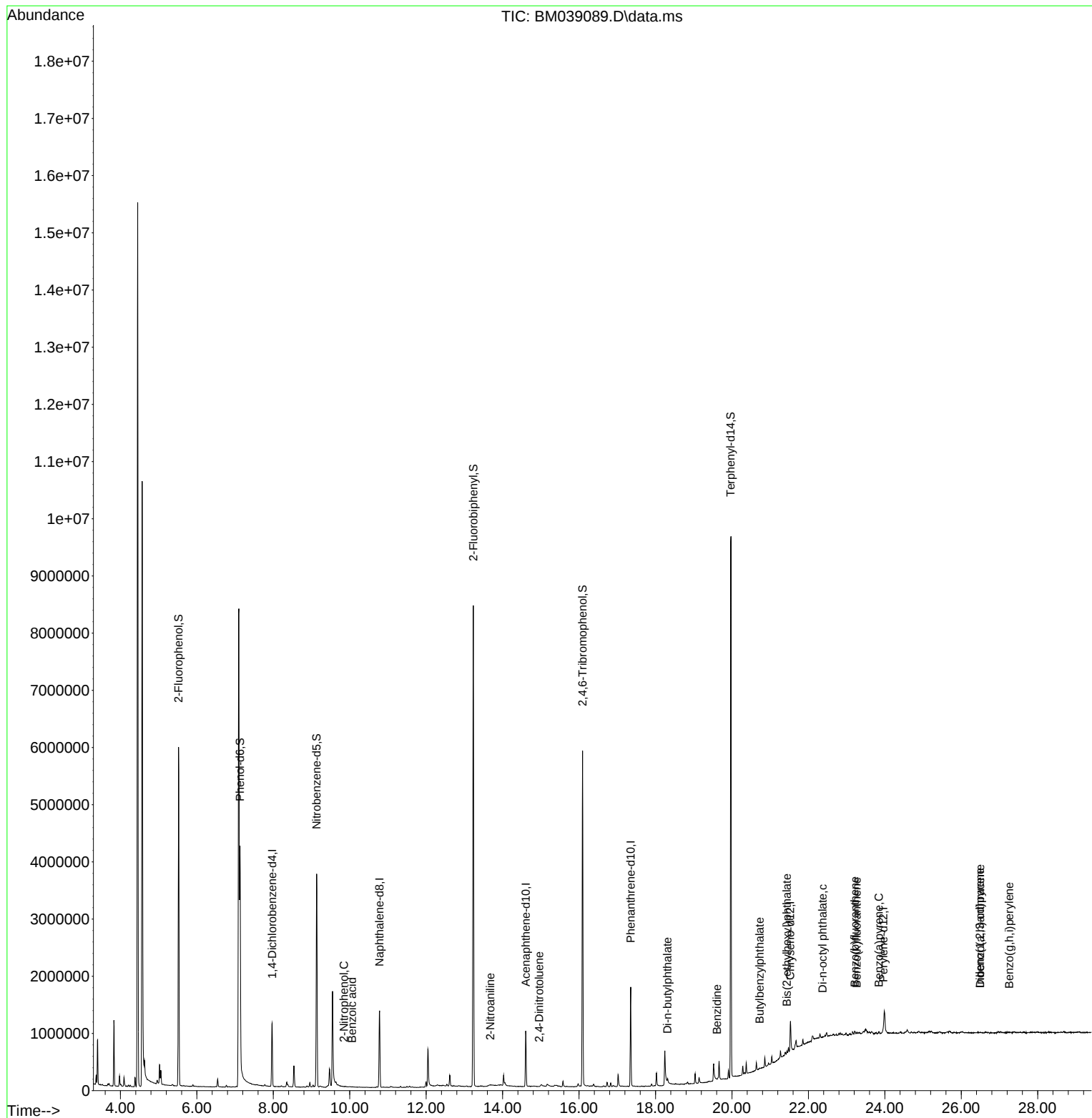
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	299986	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1103530	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	272973	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	833479	20.000	ng	0.00
76) Chrysene-d12	21.527	240	110893	20.000	ng	# 0.00
86) Perylene-d12	23.962	264	3638	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2537811	128.528	ng	0.00
7) Phenol-d6	7.128	99	1822688	71.068	ng	0.00
23) Nitrobenzene-d5	9.134	82	2140024	95.258	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	985726	312.150	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4165609	198.656	ng	0.00
79) Terphenyl-d14	19.968	244	3481053	573.933	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.851	139	94	2.999	ng	# 75
32) Benzoic acid	10.057	122	111	5.740	ng	# 35
48) 2-Nitroaniline	13.680	65	186	2.247	ng	# 73
57) 2,4-Dinitrotoluene	14.957	165	265	2.113	ng	# 83
74) Di-n-butylphthalate	18.315	149	43717	2.573	ng	98
77) Benzidine	19.609	184	270	4.972	ng	# 1
80) Butylbenzylphthalate	20.727	149	712	3.503	ng	98
84) Bis(2-ethylhexyl)phtha...	21.439	149	14031	5.083	ng	93
85) Di-n-octyl phthalate	22.374	149	2717	4.091	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.491	276	7643	27.609	ng	# 84
88) Benzo(b)fluoranthene	23.215	252	22970	98.830	ng	# 70
89) Benzo(k)fluoranthene	23.268	252	17332	71.656	ng	# 74
90) Benzo(a)pyrene	23.844	252	1372	6.134	ng	# 1
91) Dibenzo(a,h)anthracene	26.497	278	5970	25.465	ng	# 47
92) Benzo(g,h,i)perylene	27.256	276	3019	13.163	ng	# 66

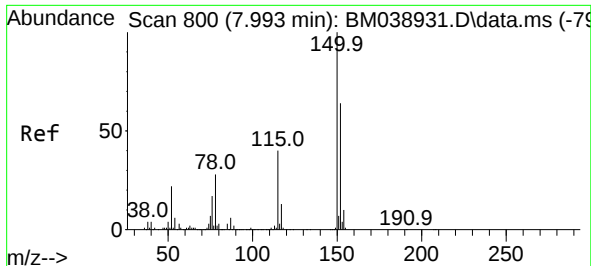
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
Data File : BM039089.D
Acq On : 22 Mar 2023 12:55
Operator : CG/JU
Sample : 02001-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
IRV-2

Quant Time: Mar 23 04:21:25 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

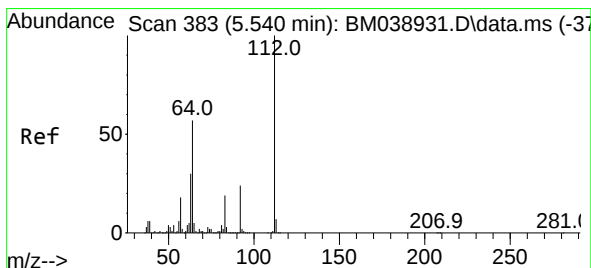
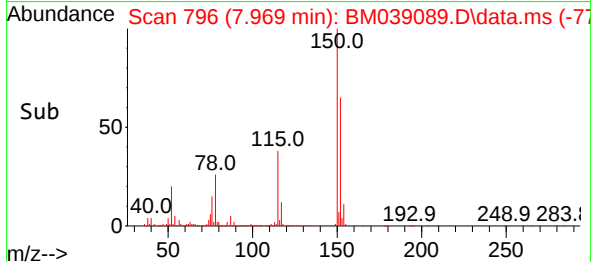
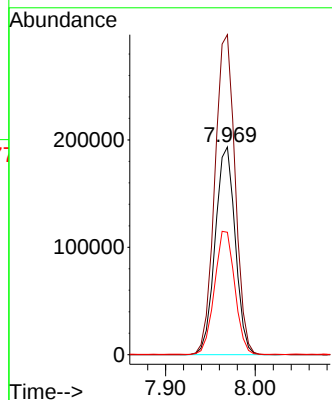
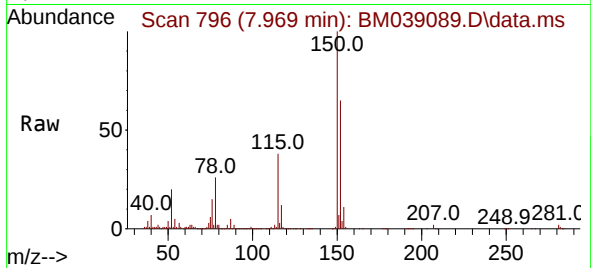




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

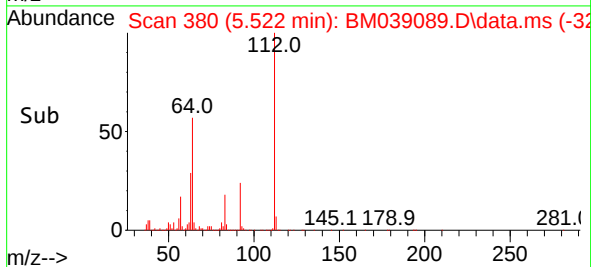
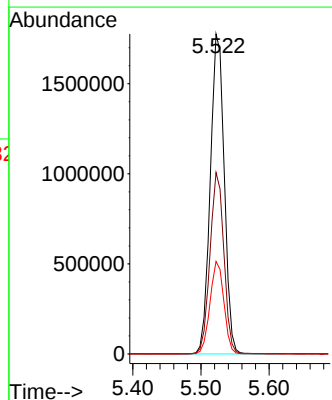
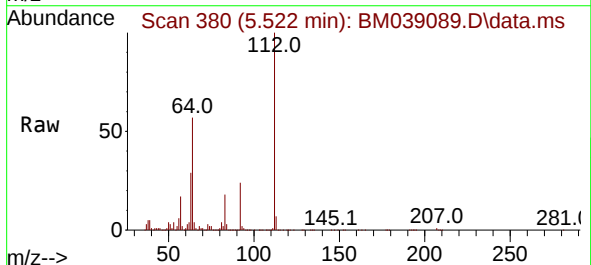
Instrument :
BNA_M
ClientSampleId :
IRV-2

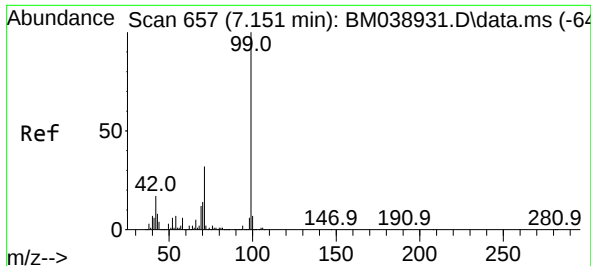
Tgt Ion:152 Resp: 299986
Ion Ratio Lower Upper
152 100
150 154.1 125.1 187.7
115 58.9 49.6 74.4



#5
2-Fluorophenol
Concen: 128.528 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:112 Resp: 2537811
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 28.9 23.8 35.8

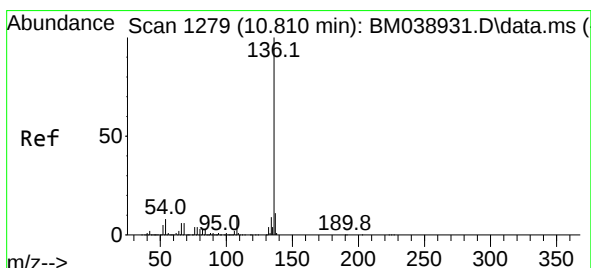
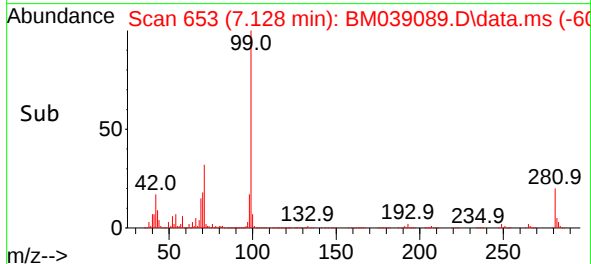
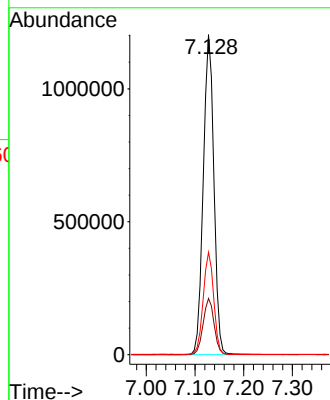
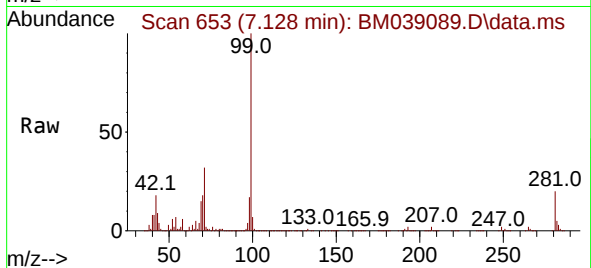




#7
Phenol-d6
Concen: 71.068 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

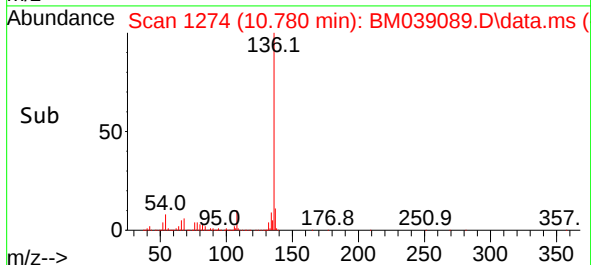
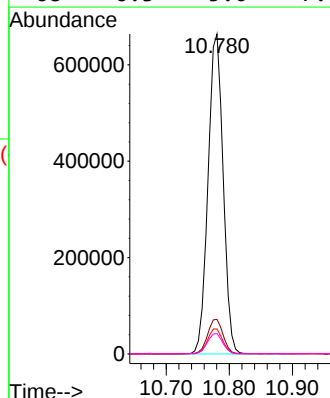
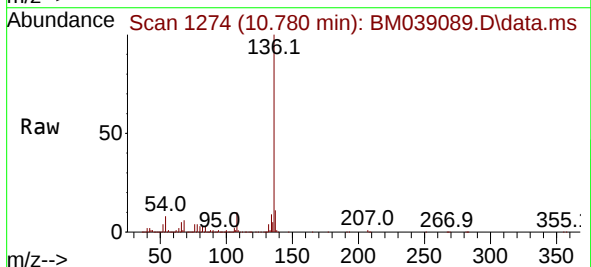
Instrument :
BNA_M
ClientSampleId :
IRV-2

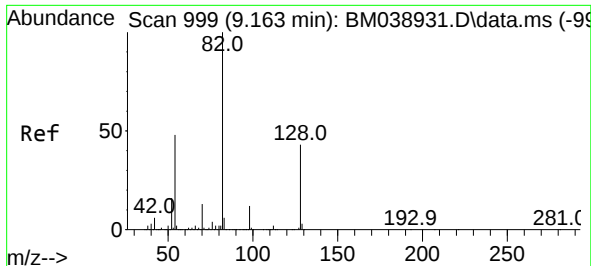
Tgt Ion: 99 Resp: 1822688
Ion Ratio Lower Upper
99 100
42 17.6 13.5 20.3
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:136 Resp: 1103530
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.3 9.5
68 6.3 5.0 7.6

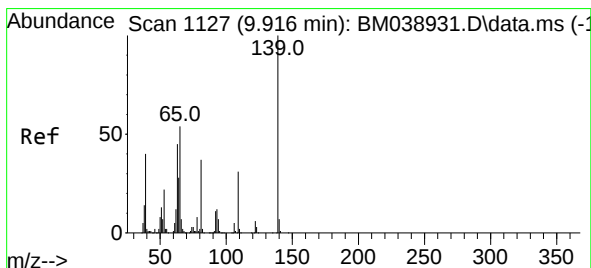
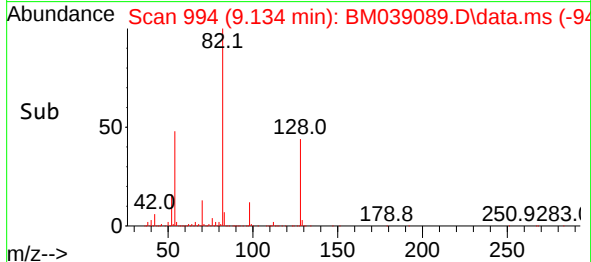
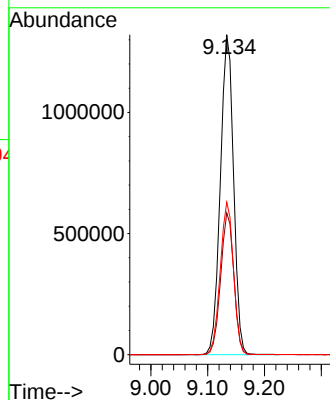
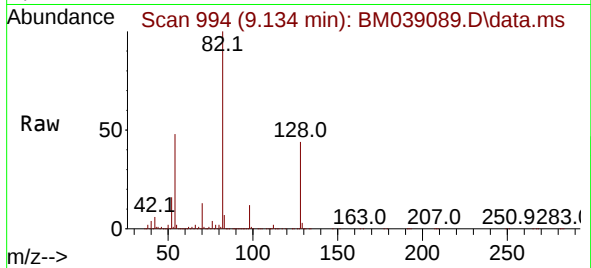




#23
Nitrobenzene-d5
Concen: 95.258 ng
RT: 9.134 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

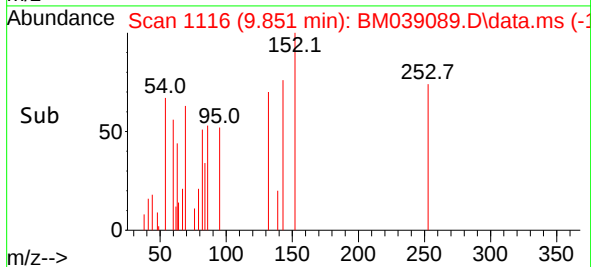
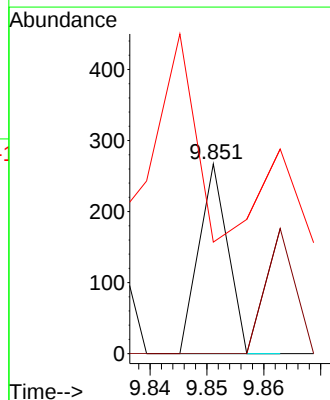
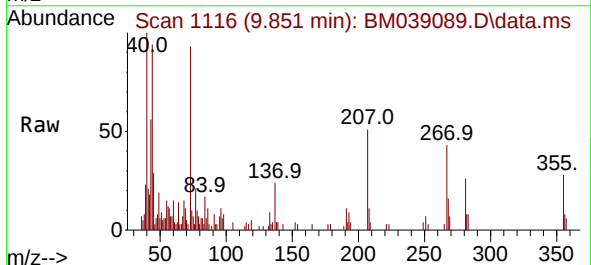
Instrument :
BNA_M
ClientSampleId :
IRV-2

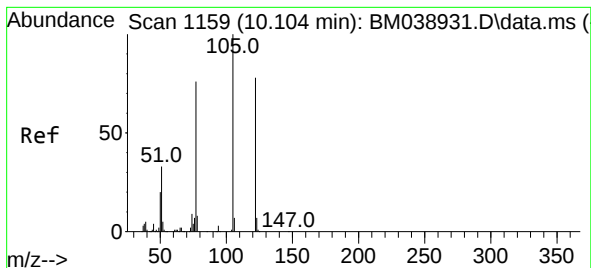
Tgt Ion: 82 Resp: 2140024
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 47.6 38.8 58.2



#26
2-Nitrophenol
Concen: 2.999 ng
RT: 9.851 min Scan# 1116
Delta R.T. -0.041 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:139 Resp: 94
Ion Ratio Lower Upper
139 100
109 0.0 24.5 36.7#
65 58.8 43.0 64.6





#32

Benzoic acid

Concen: 5.740 ng

RT: 10.057 min Scan# 1151

Delta R.T. -0.029 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

Instrument :

BNA_M

ClientSampleId :

IRV-2

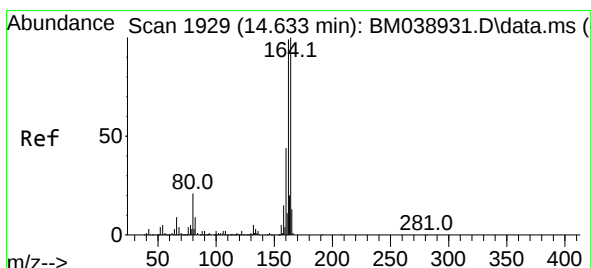
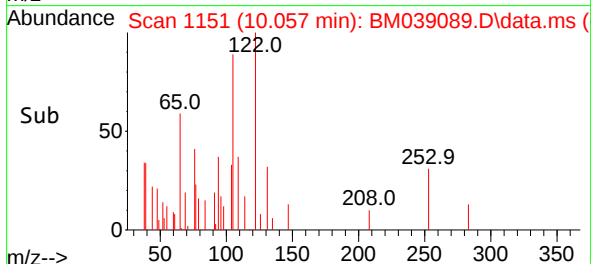
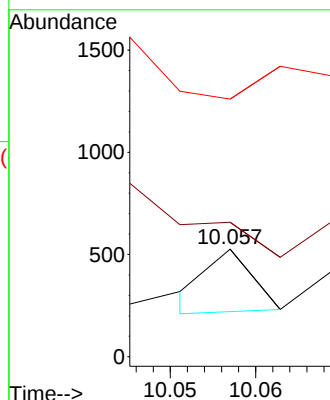
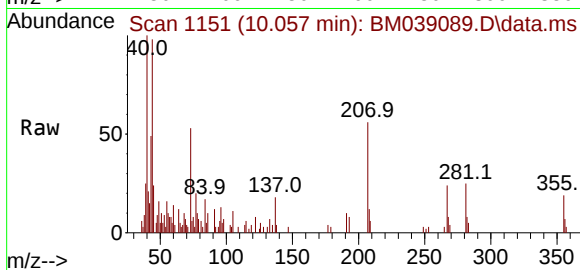
Tgt Ion:122 Resp: 111

Ion Ratio Lower Upper

122 100

105 125.1 104.2 144.2

77 239.7 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: BM039089.D

Acq: 22 Mar 2023 12:55

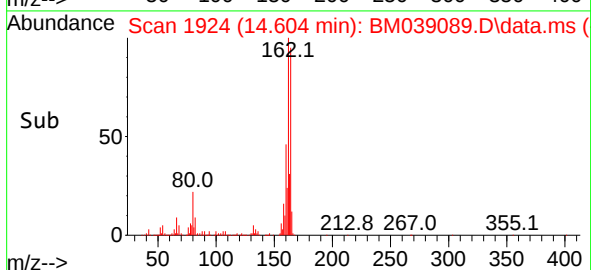
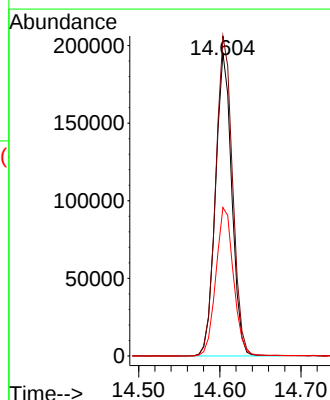
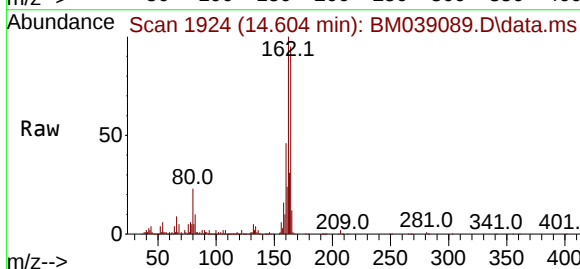
Tgt Ion:164 Resp: 272973

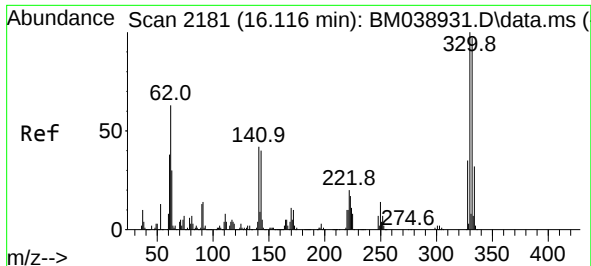
Ion Ratio Lower Upper

164 100

162 105.6 79.2 118.8

160 49.0 35.5 53.3

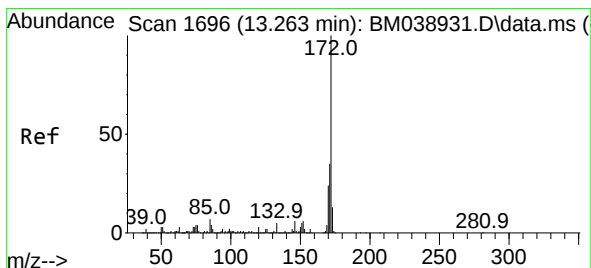
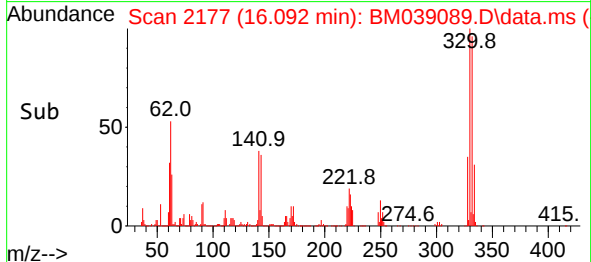
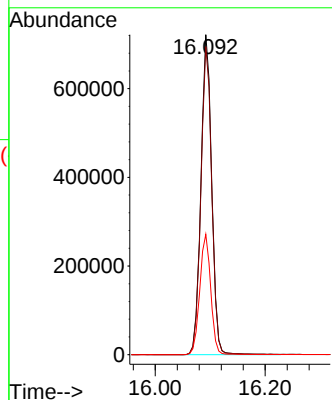
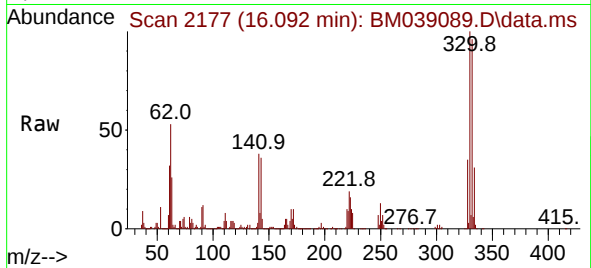




#42
2,4,6-Tribromophenol
Concen: 312.150 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

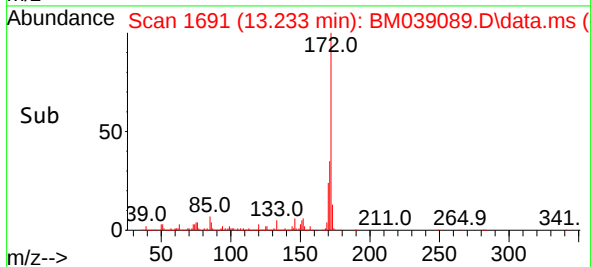
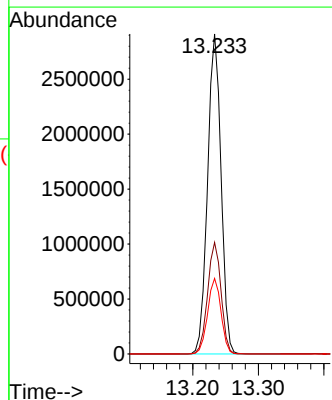
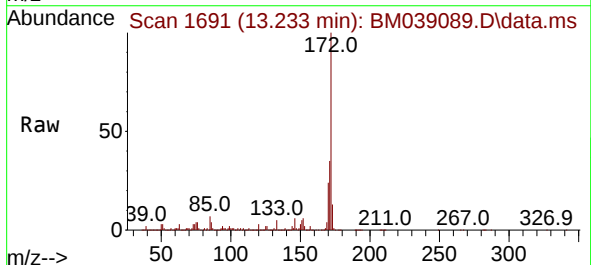
Instrument :
BNA_M
ClientSampleId :
IRV-2

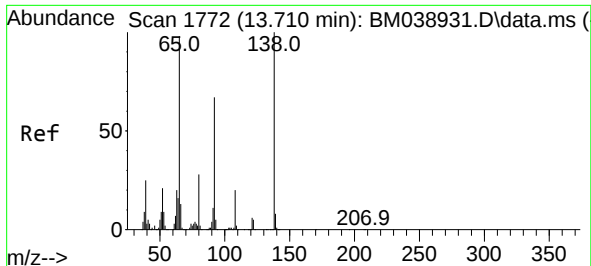
Tgt Ion:330 Resp: 985726
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 38.2 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 198.656 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:172 Resp: 4165609
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.1 28.7

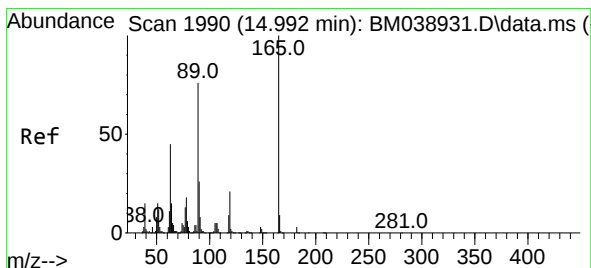
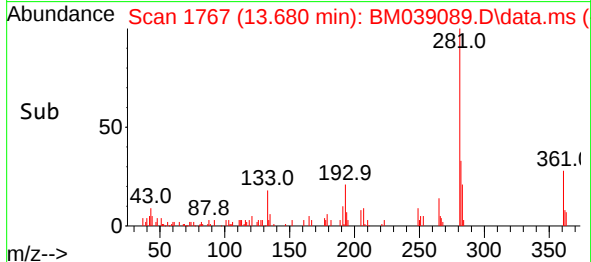
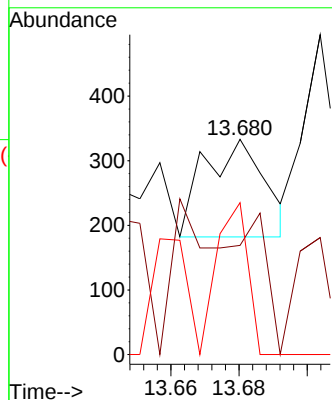
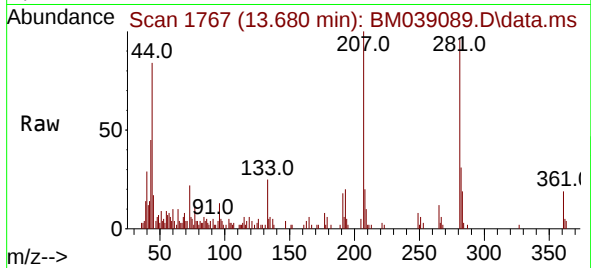




#48
2-Nitroaniline
Concen: 2.247 ng
RT: 13.680 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

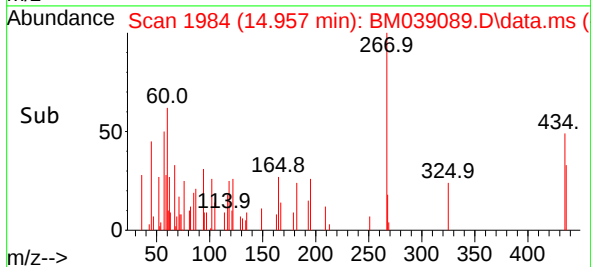
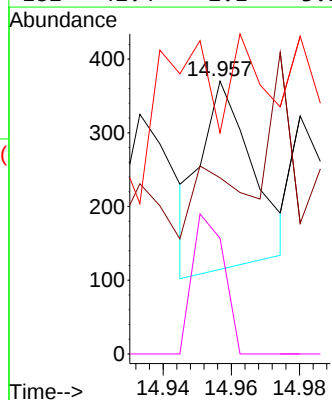
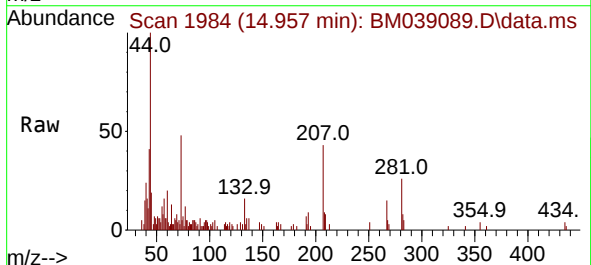
Instrument :
BNA_M
ClientSampleId :
IRV-2

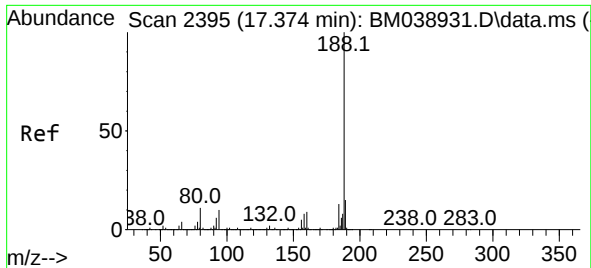
Tgt Ion: 65 Resp: 186
Ion Ratio Lower Upper
65 100
92 50.8 54.9 82.3#
138 70.6 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.113 ng
RT: 14.957 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:165 Resp: 265
Ion Ratio Lower Upper
165 100
63 64.6 35.9 53.9#
89 81.1 61.0 91.6
182 42.4 2.1 3.1#

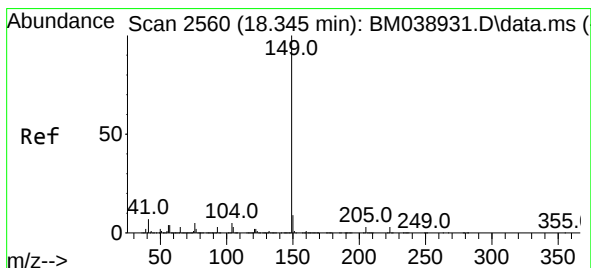
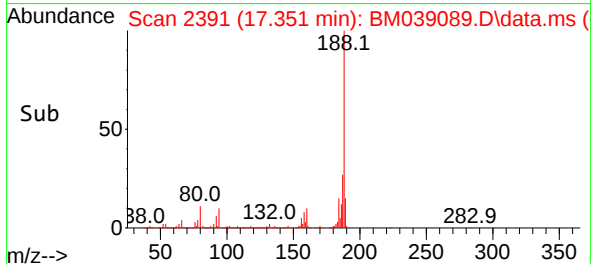
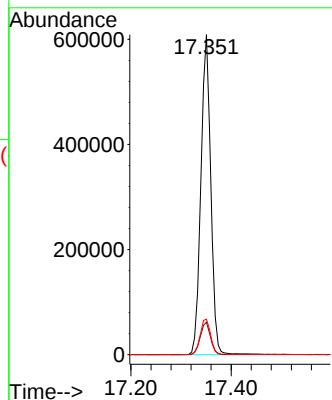
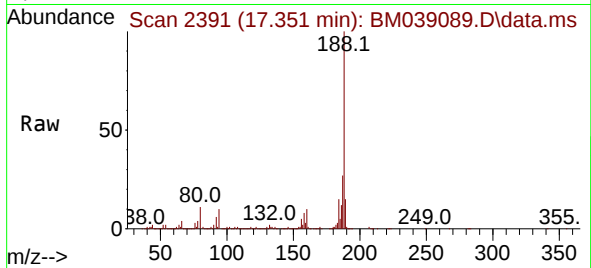




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

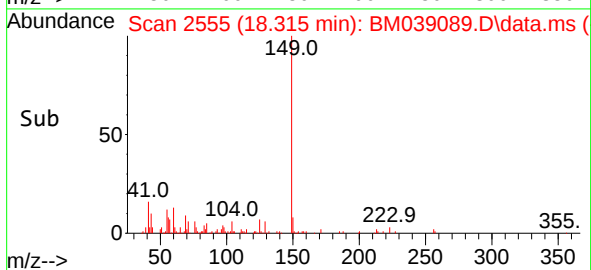
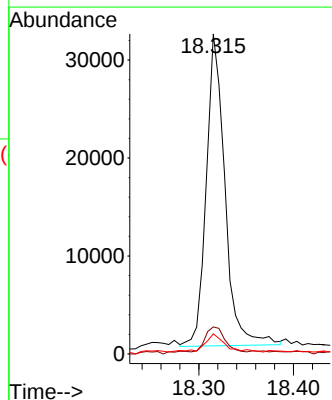
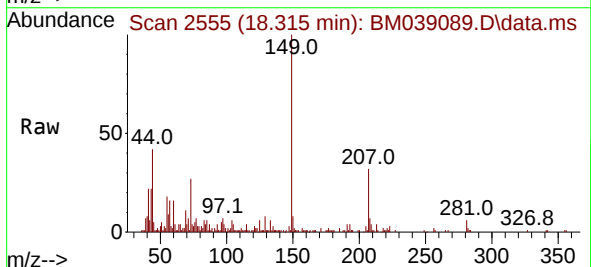
Instrument :
BNA_M
ClientSampleId :
IRV-2

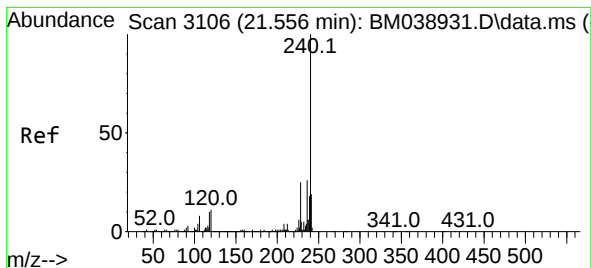
Tgt Ion:188 Resp: 833479
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 11.1 8.5 12.7



#74
Di-n-butylphthalate
Concen: 2.573 ng
RT: 18.315 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:149 Resp: 43717
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.2
104 6.3 4.3 6.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

Instrument :

BNA_M

ClientSampleId :

IRV-2

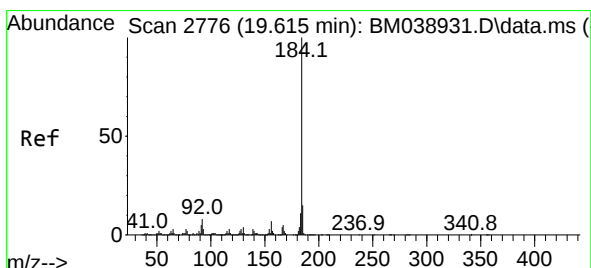
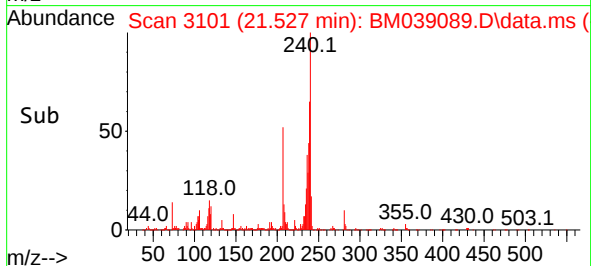
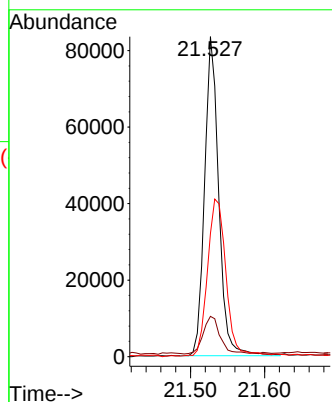
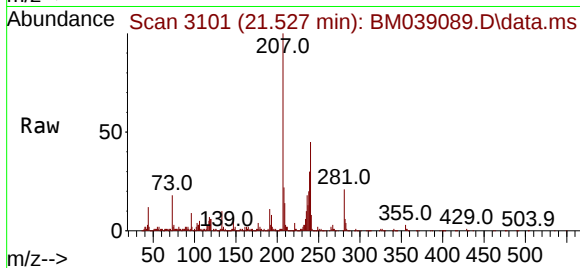
Tgt Ion:240 Resp: 110893

Ion Ratio Lower Upper

240 100

120 12.6 9.2 13.8

236 38.5 20.8 31.2#



#77

Benzidine

Concen: 4.972 ng

RT: 19.609 min Scan# 2775

Delta R.T. 0.018 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

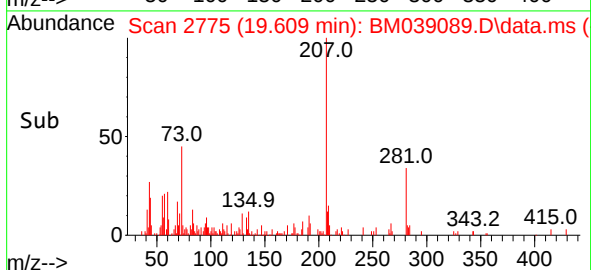
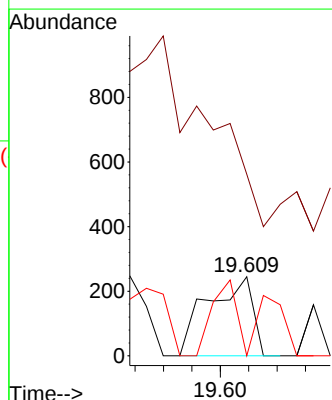
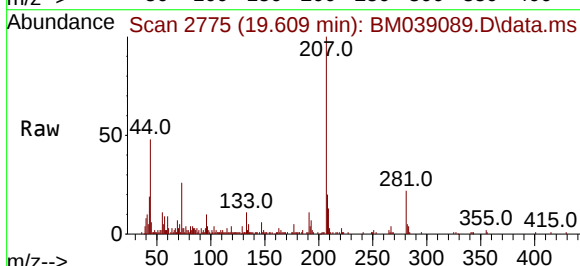
Tgt Ion:184 Resp: 270

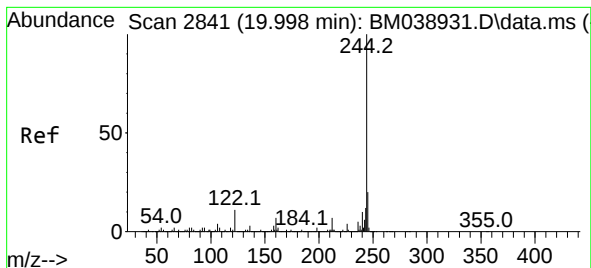
Ion Ratio Lower Upper

184 100

185 229.4 12.2 18.4#

183 0.0 8.8 13.2#





#79

Terphenyl-d14

Concen: 573.933 ng

RT: 19.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

Instrument :

BNA_M

ClientSampleId :

IRV-2

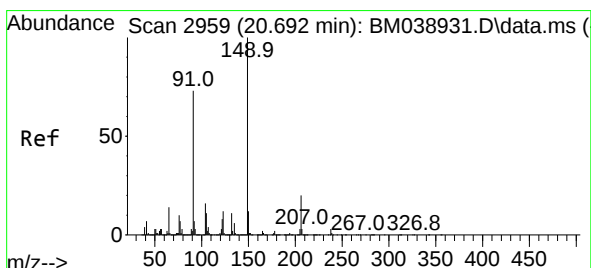
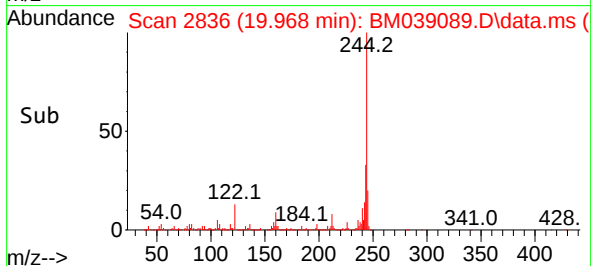
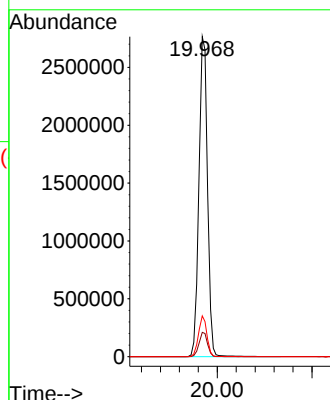
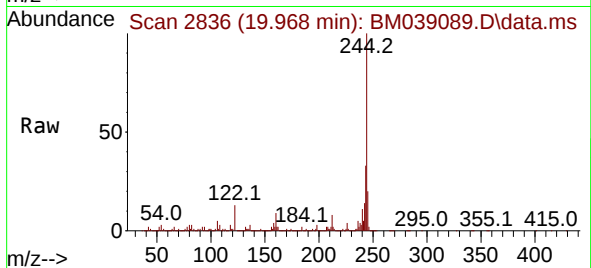
Tgt Ion:244 Resp: 3481053

Ion Ratio Lower Upper

244 100

212 7.6 5.5 8.3

122 12.8 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.503 ng

RT: 20.727 min Scan# 2965

Delta R.T. 0.065 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

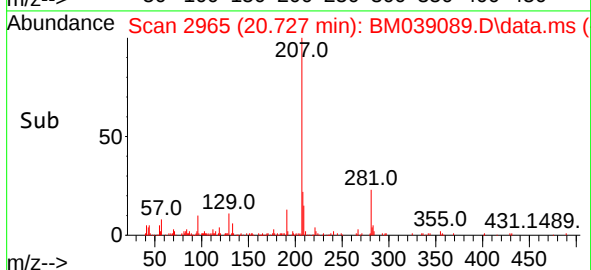
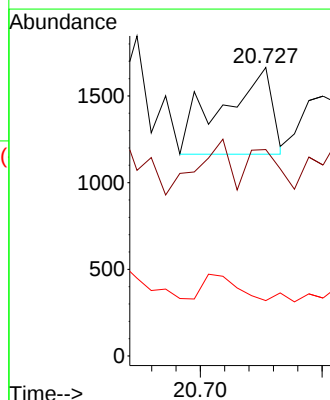
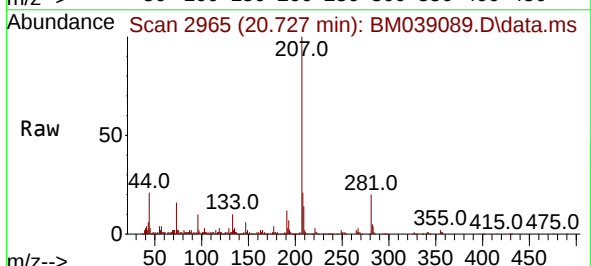
Tgt Ion:149 Resp: 712

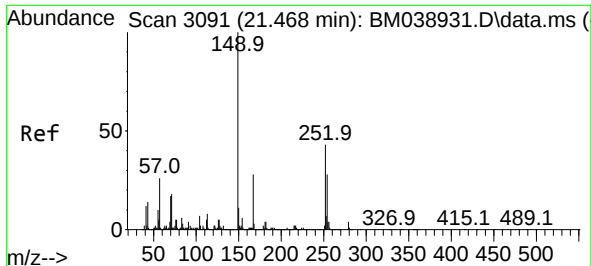
Ion Ratio Lower Upper

149 100

91 71.6 58.4 87.6

206 19.2 16.1 24.1

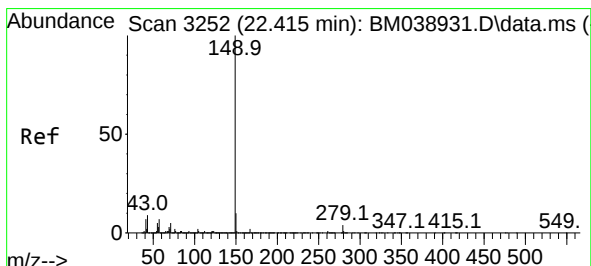
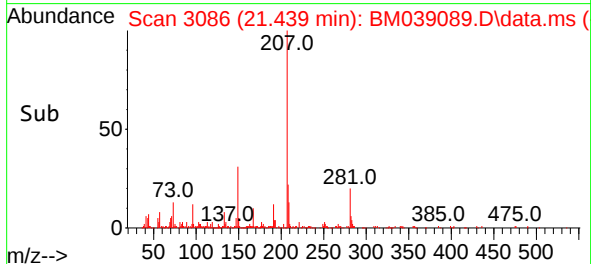
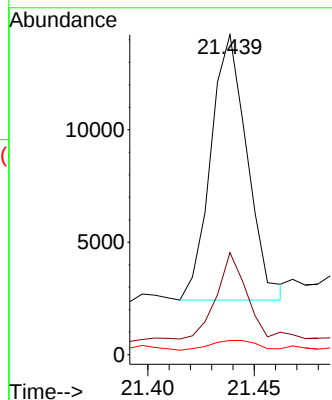
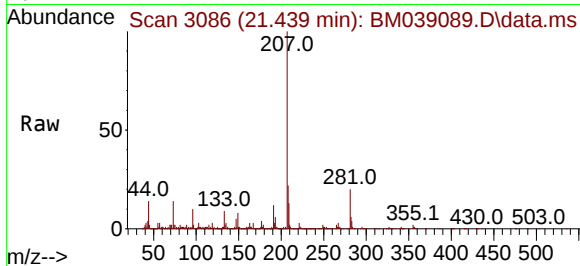




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.083 ng
 RT: 21.439 min Scan# 3086
 Delta R.T. -0.000 min
 Lab File: BM039089.D
 Acq: 22 Mar 2023 12:55

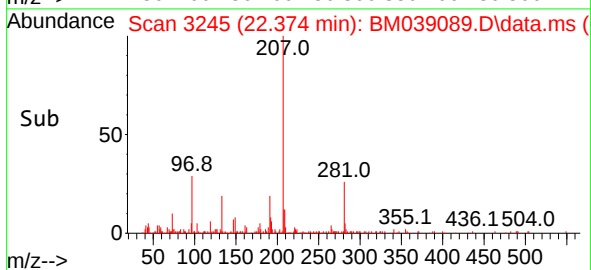
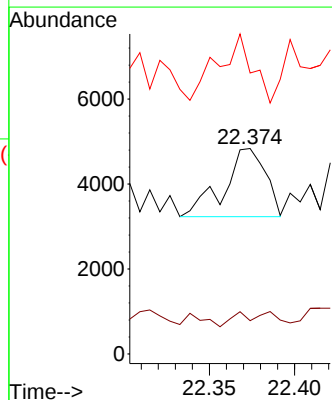
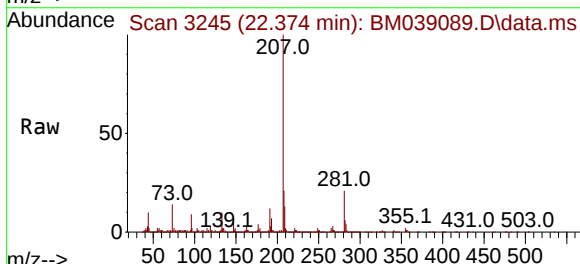
Instrument :
 BNA_M
 ClientSampleId :
 IRV-2

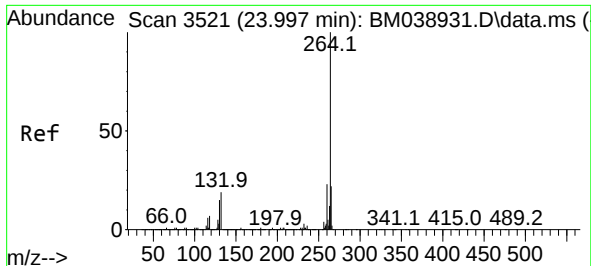
Tgt Ion:149 Resp: 14031
 Ion Ratio Lower Upper
 149 100
 167 31.9 22.3 33.5
 279 4.5 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 4.091 ng
 RT: 22.374 min Scan# 3245
 Delta R.T. -0.000 min
 Lab File: BM039089.D
 Acq: 22 Mar 2023 12:55

Tgt Ion:149 Resp: 2717
 Ion Ratio Lower Upper
 149 100
 167 8.8 1.2 1.8#
 43 84.0 7.4 11.2#

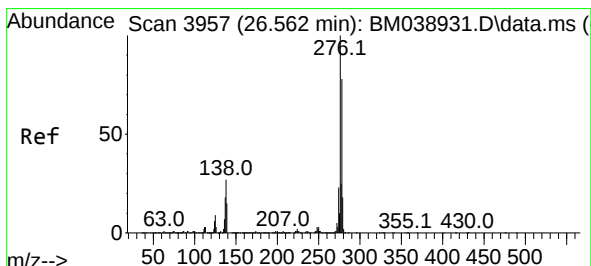
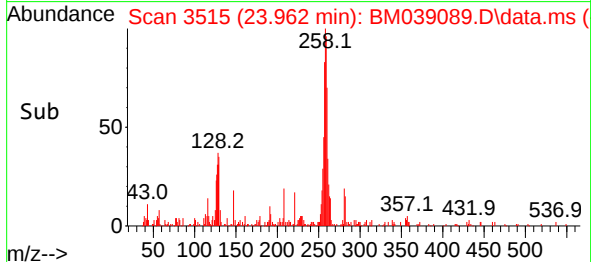
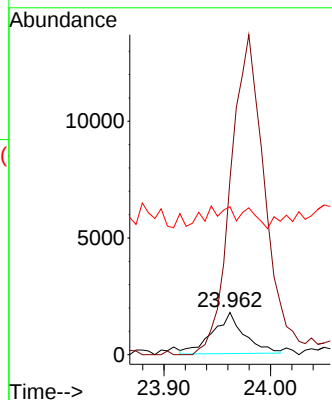
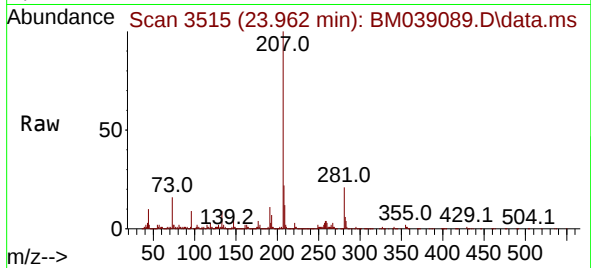




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

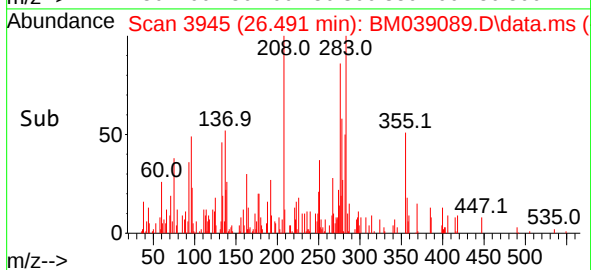
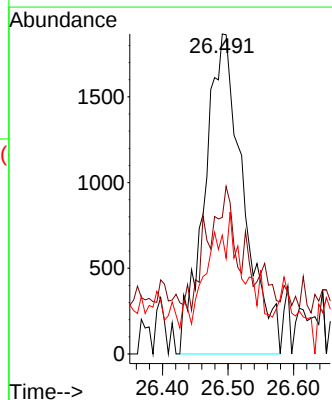
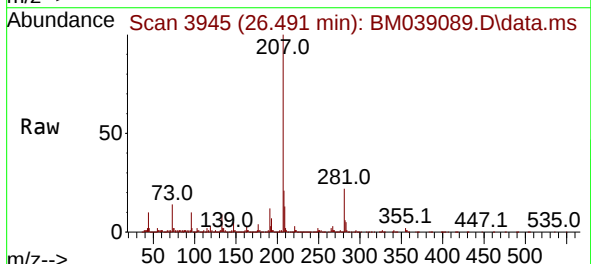
Instrument :
BNA_M
ClientSampleId :
IRV-2

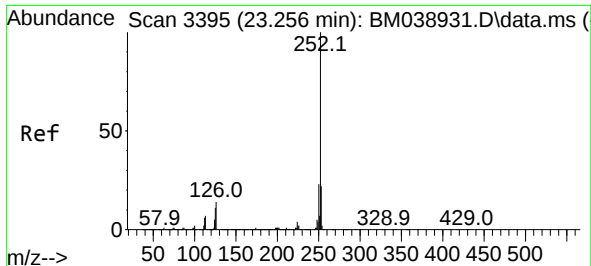
Tgt Ion:264 Resp: 3638
Ion Ratio Lower Upper
264 100
260 413.8 18.7 28.1#
265 349.6 17.9 26.9#



#87
Indeno(1,2,3-cd)pyrene
Concen: 27.609 ng
RT: 26.491 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:276 Resp: 7643
Ion Ratio Lower Upper
276 100
138 25.6 22.1 33.1
277 10.7 20.1 30.1#

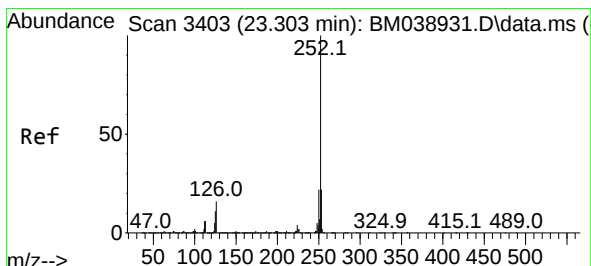
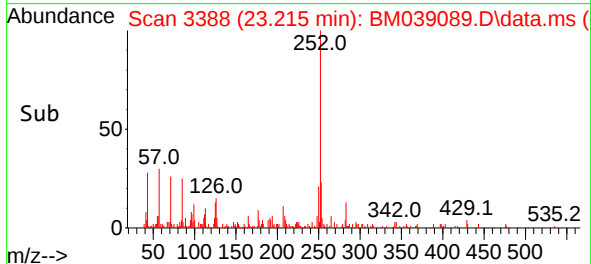
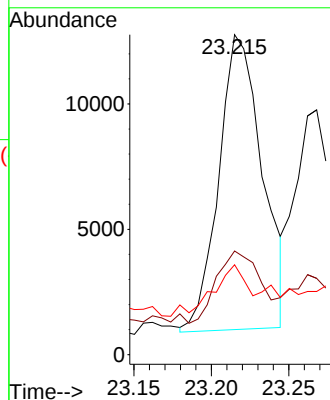
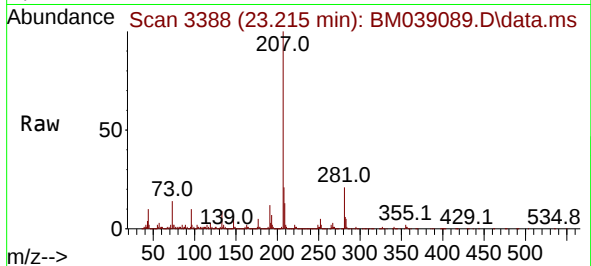




#88
Benzo(b)fluoranthene
Concen: 98.830 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

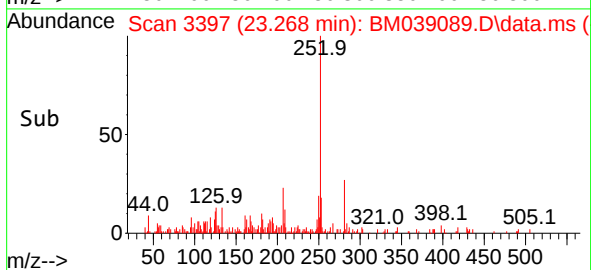
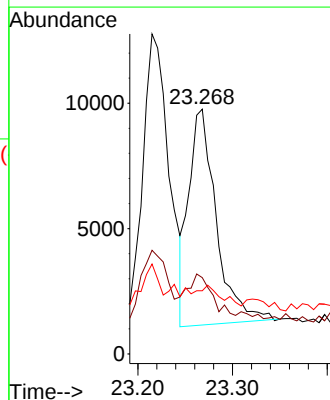
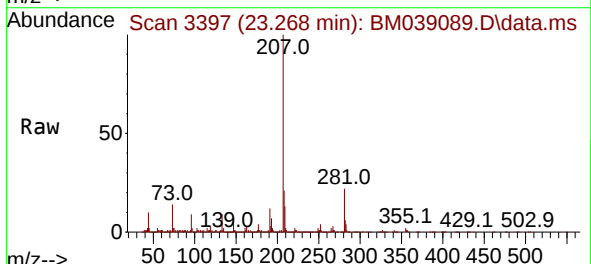
Instrument :
BNA_M
ClientSampleId :
IRV-2

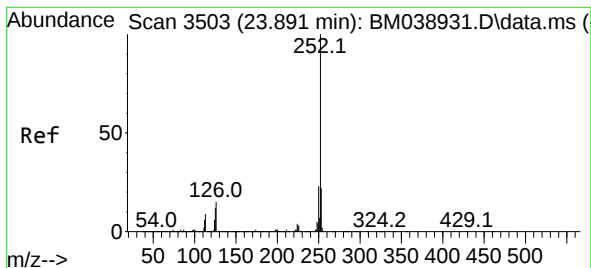
Tgt Ion:252 Resp: 22970
Ion Ratio Lower Upper
252 100
253 32.4 17.6 26.4#
125 28.1 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 71.656 ng
RT: 23.268 min Scan# 3397
Delta R.T. -0.000 min
Lab File: BM039089.D
Acq: 22 Mar 2023 12:55

Tgt Ion:252 Resp: 17332
Ion Ratio Lower Upper
252 100
253 31.2 17.5 26.3#
125 25.8 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 6.134 ng

RT: 23.844 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

Instrument :

BNA_M

ClientSampleId :

IRV-2

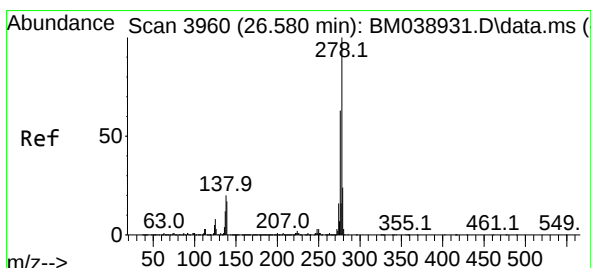
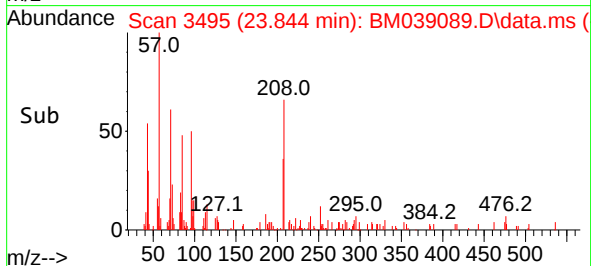
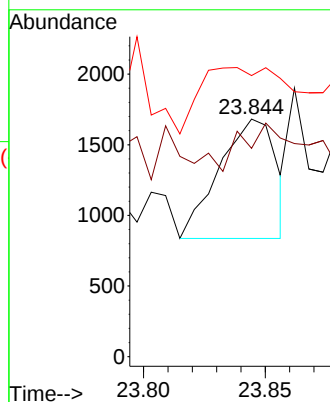
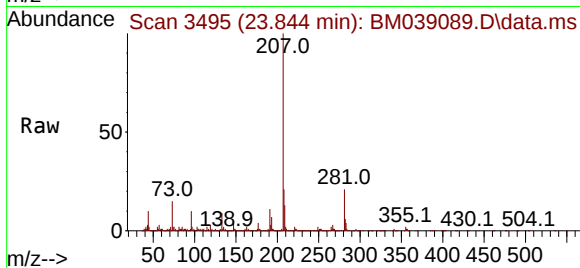
Tgt Ion:252 Resp: 1372

Ion Ratio Lower Upper

252 100

253 87.7 17.6 26.4#

125 118.3 9.8 14.8#



#91

Dibenzo(a,h)anthracene

Concen: 25.465 ng

RT: 26.497 min Scan# 3946

Delta R.T. -0.012 min

Lab File: BM039089.D

Acq: 22 Mar 2023 12:55

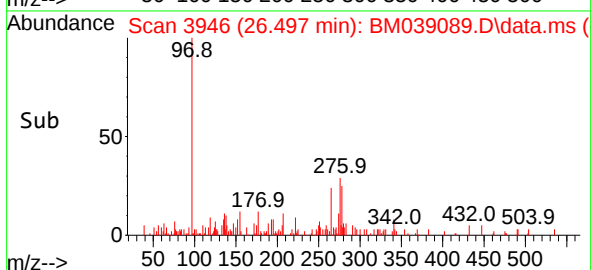
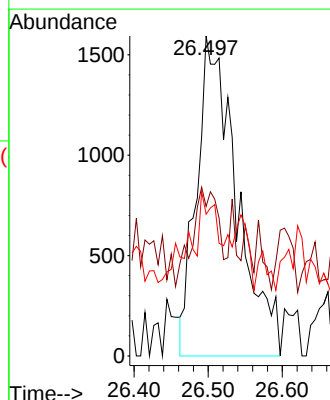
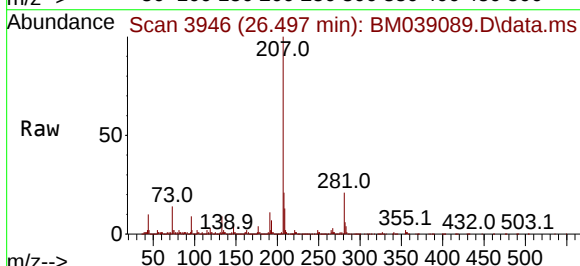
Tgt Ion:278 Resp: 5970

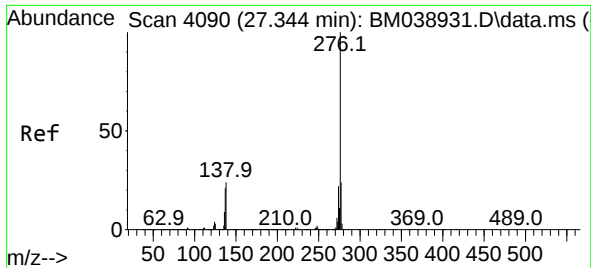
Ion Ratio Lower Upper

278 100

139 46.7 13.7 20.5#

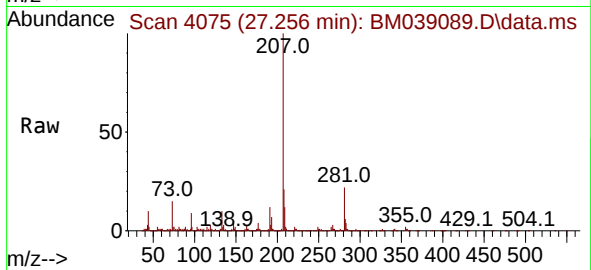
279 44.3 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 13.163 ng
 RT: 27.256 min Scan# 4090
 Delta R.T. -0.018 min
 Lab File: BM039089.D
 Acq: 22 Mar 2023 12:55

Instrument :
 BNA_M
 ClientSampleId :
 IRV-2



Tgt Ion:	276	Resp:	3019
Ion	Ratio	Lower	Upper
276	100		
277	37.4	19.3	28.9#
138	43.7	19.0	28.6#

