

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039114.D
 Acq On : 23 Mar 2023 12:10
 Operator : CG/JU
 Sample : 02001-05RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-2RE

Quant Time: Mar 24 04:29:19 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)

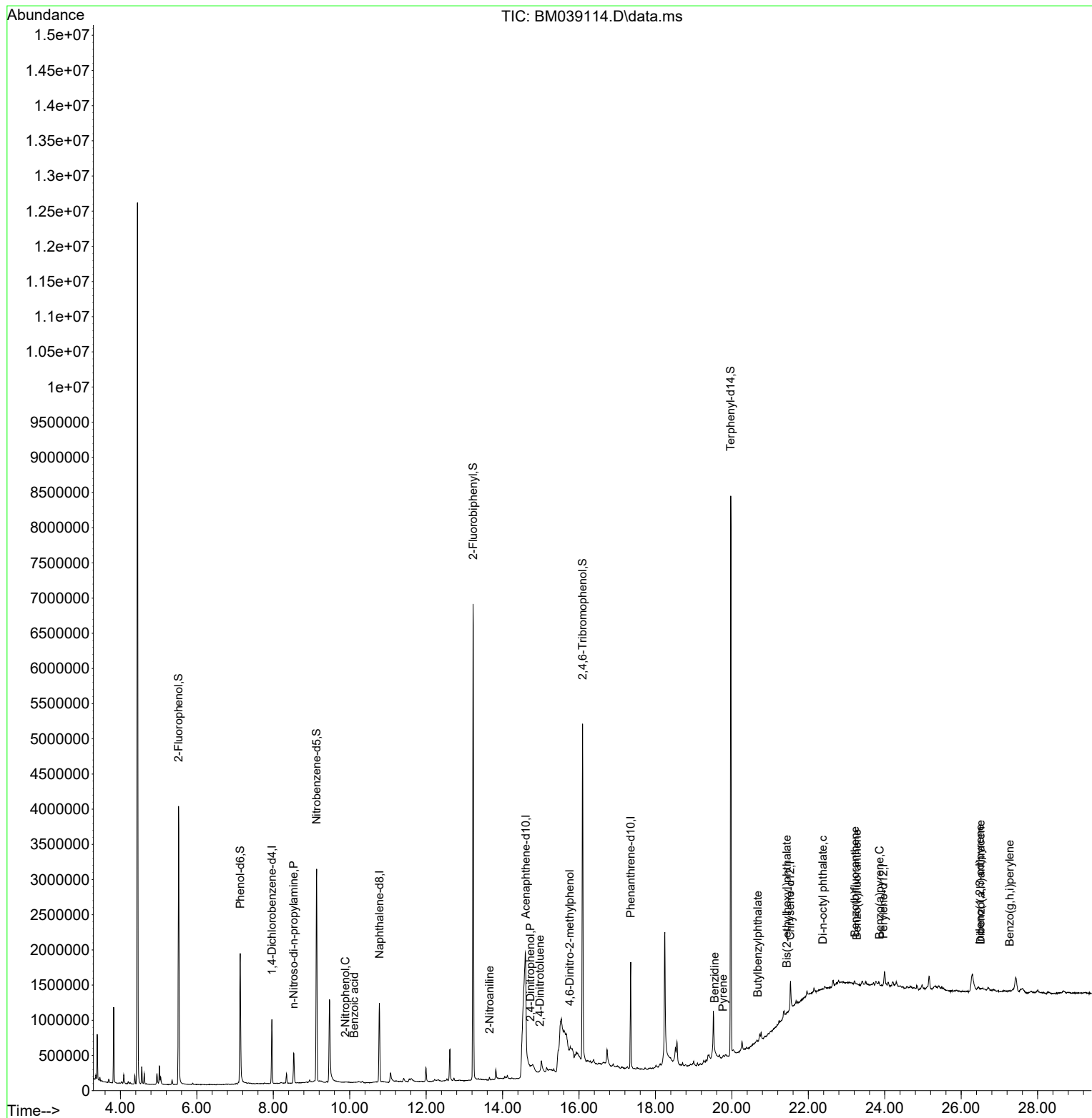
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	244236	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	925852	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	214594	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	733690	20.000	ng	0.00
76) Chrysene-d12	21.527	240	92000	20.000	ng	# 0.00
86) Perylene-d12	23.962	264	4094	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1850429	115.107	ng	0.00
7) Phenol-d6	7.134	99	1102138	52.783	ng	0.00
23) Nitrobenzene-d5	9.134	82	1762115	93.489	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	906575	365.185	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	3557045	215.782	ng	0.00
79) Terphenyl-d14	19.968	244	3038617	603.870	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.534	70	34475	2.621	ng	# 33
26) 2-Nitrophenol	9.887	139	783	3.075	ng	# 5
32) Benzoic acid	10.116	122	164	5.746	ng	# 35
48) 2-Nitroaniline	13.663	65	355	2.293	ng	# 54
54) 2,4-Dinitrophenol	14.728	184	110	5.240	ng	# 1
57) 2,4-Dinitrotoluene	14.975	165	328	2.137	ng	# 76
65) 4,6-Dinitro-2-methylph...	15.751	198	62	5.100	ng	# 1
77) Benzidine	19.545	184	314	5.011	ng	# 1
78) Pyrene	19.768	202	17859	2.585	ng	94
80) Butylbenzylphthalate	20.674	149	849	3.585	ng	# 43
84) Bis(2-ethylhexyl)phtha...	21.439	149	8541	4.391	ng	# 94
85) Di-n-octyl phthalate	22.380	149	3342	4.233	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.492	276	2216	7.113	ng	# 74
88) Benzo(b)fluoranthene	23.221	252	9739	37.235	ng	# 1
89) Benzo(k)fluoranthene	23.274	252	6804	24.997	ng	# 1
90) Benzo(a)pyrene	23.862	252	2207	8.768	ng	# 1
91) Dibenzo(a,h)anthracene	26.509	278	3016	11.432	ng	# 1
92) Benzo(g,h,i)perylene	27.268	276	2950	11.429	ng	# 15

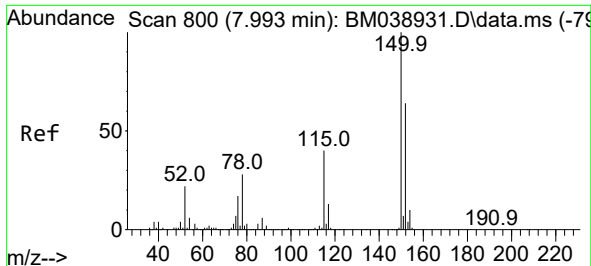
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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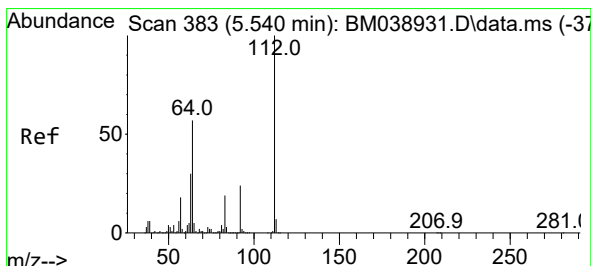
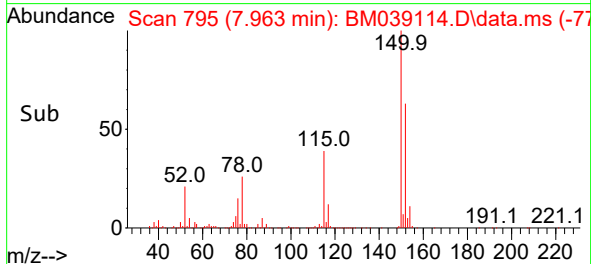
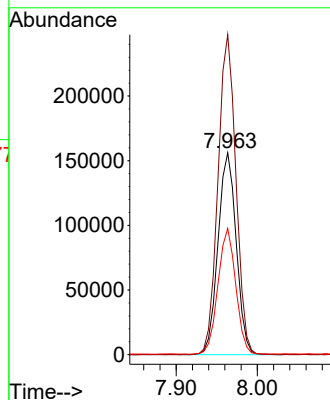
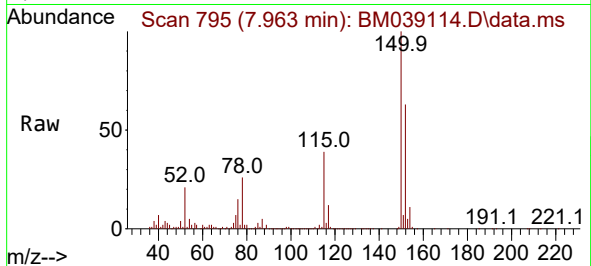




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

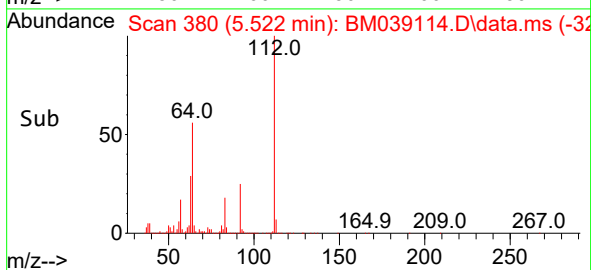
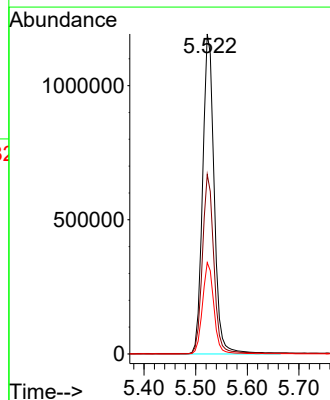
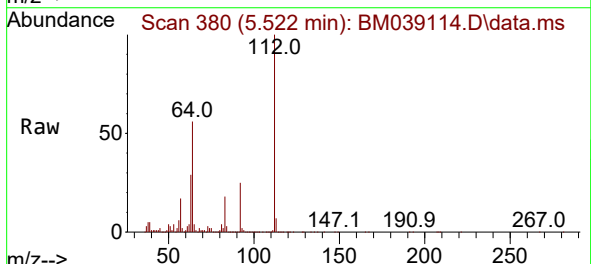
Instrument :
BNA_M
ClientSampleId :
IRV-2RE

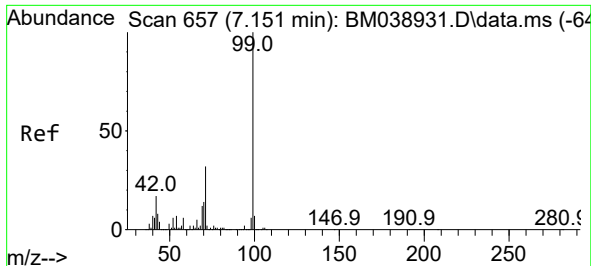
Tgt Ion:152 Resp: 244236
Ion Ratio Lower Upper
152 100
150 158.4 125.1 187.7
115 62.5 49.6 74.4



#5
2-Fluorophenol
Concen: 115.107 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion:112 Resp: 1850429
Ion Ratio Lower Upper
112 100
64 56.1 45.9 68.9
63 28.5 23.8 35.8

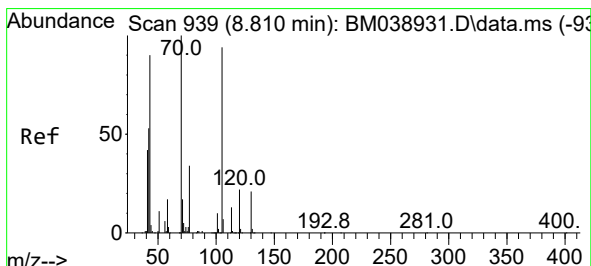
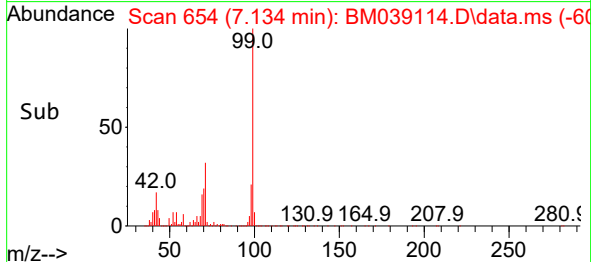
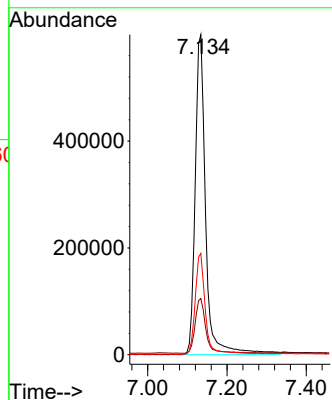
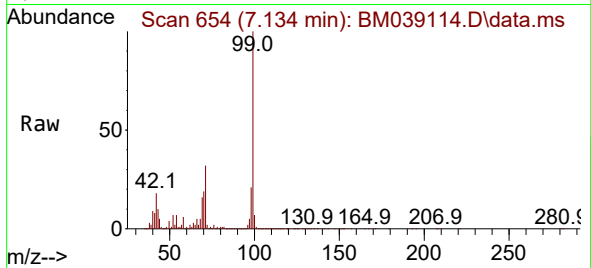




#7
Phenol-d6
Concen: 52.783 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

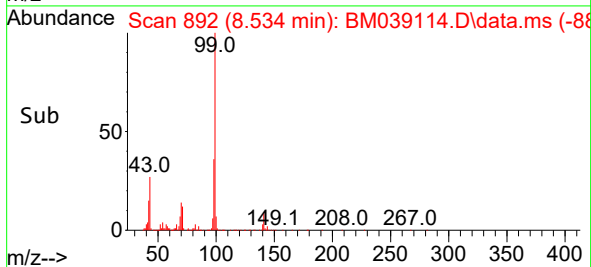
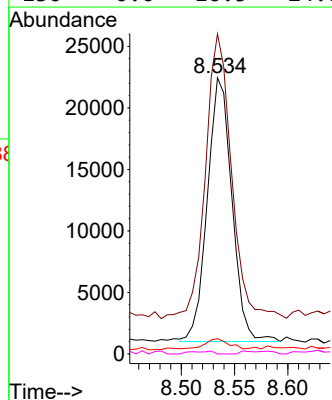
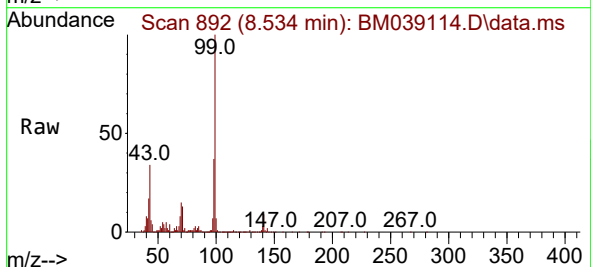
Instrument :
BNA_M
ClientSampleId :
IRV-2RE

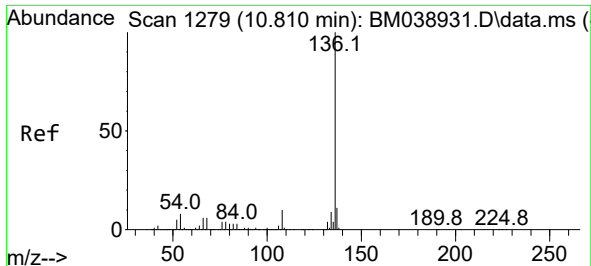
Tgt Ion: 99 Resp: 1102138
Ion Ratio Lower Upper
99 100
42 17.6 13.5 20.3
71 31.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.621 ng
RT: 8.534 min Scan# 892
Delta R.T. -0.253 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion: 70 Resp: 34475
Ion Ratio Lower Upper
70 100
42 115.9 43.4 65.2#
101 5.5 7.6 11.4#
130 0.0 16.5 24.7#



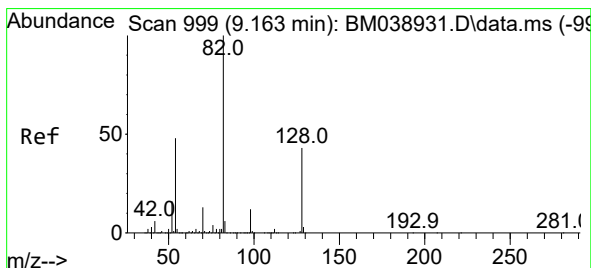
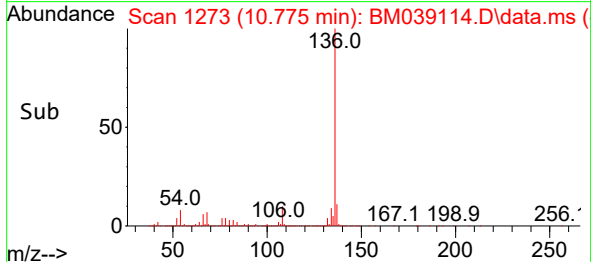
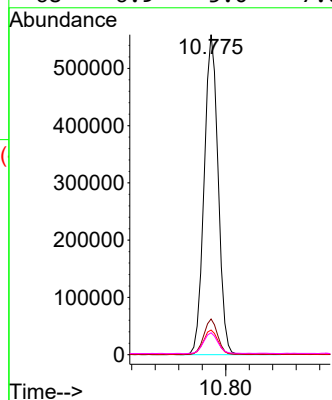
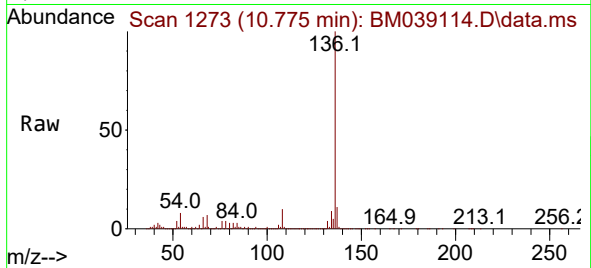


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Instrument :
BNA_M
ClientSampleId :
IRV-2RE

Tgt Ion:136 Resp: 925852

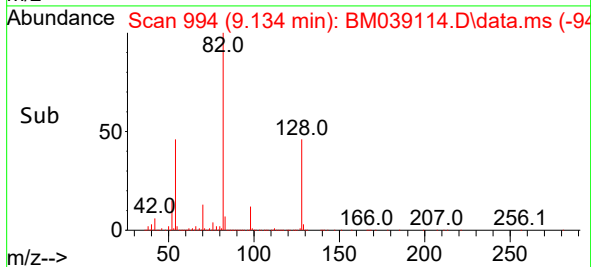
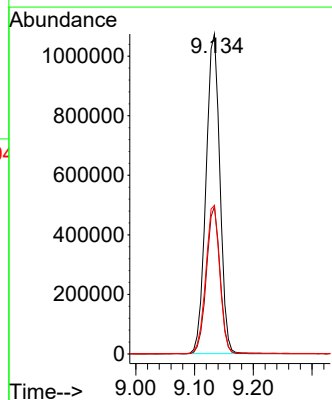
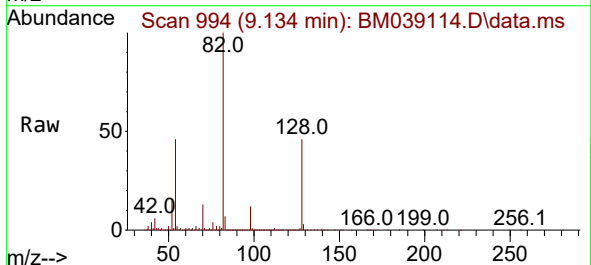
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.7	6.3	9.5
68	6.9	5.0	7.6

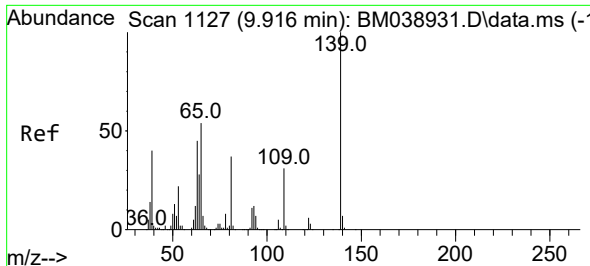


#23
Nitrobenzene-d5
Concen: 93.489 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion: 82 Resp: 1762115

Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.4	51.6
54	46.4	38.8	58.2

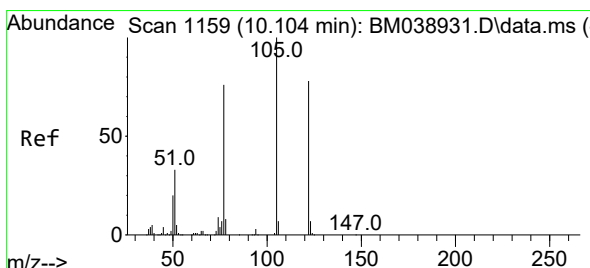
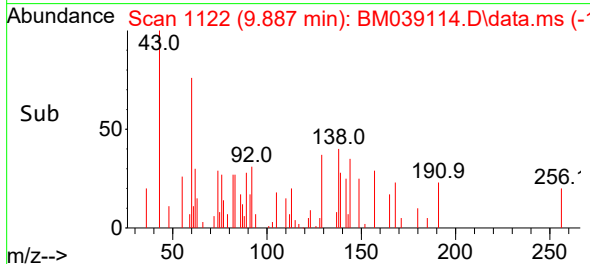
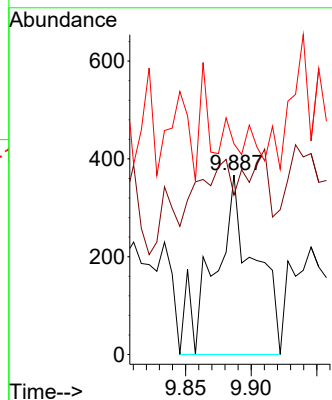
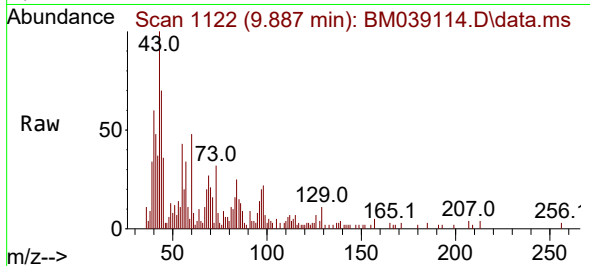




#26
2-Nitrophenol
Concen: 3.075 ng
RT: 9.887 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

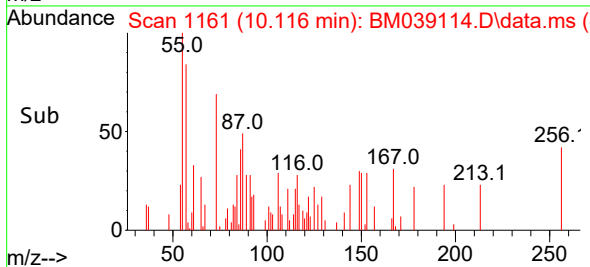
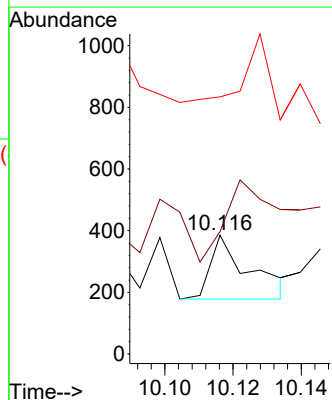
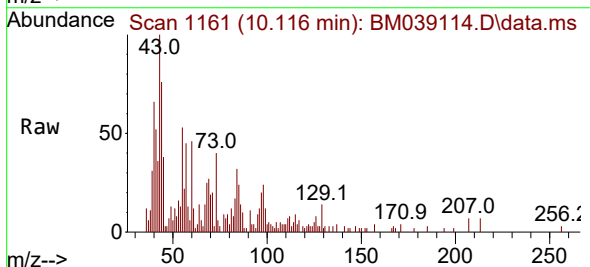
Instrument :
BNA_M
ClientSampleId :
IRV-2RE

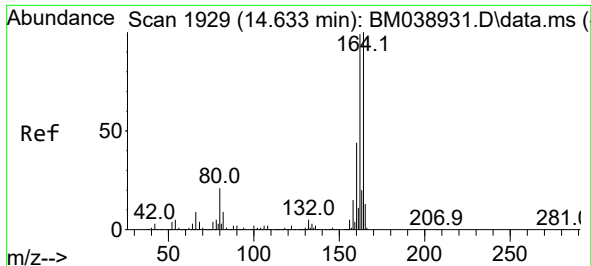
Tgt Ion:139 Resp: 783
Ion Ratio Lower Upper
139 100
109 88.8 24.5 36.7#
65 117.4 43.0 64.6#



#32
Benzoic acid
Concen: 5.746 ng
RT: 10.116 min Scan# 1161
Delta R.T. 0.030 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion:122 Resp: 164
Ion Ratio Lower Upper
122 100
105 103.1 104.2 144.2#
77 216.6 75.1 115.1#

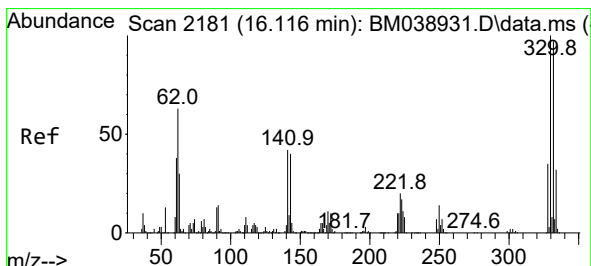
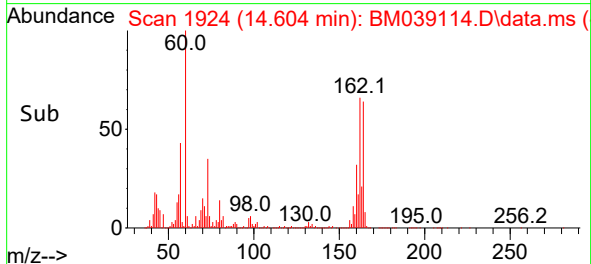
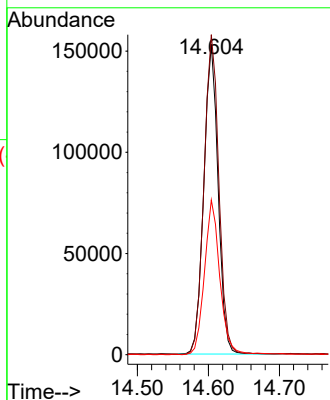
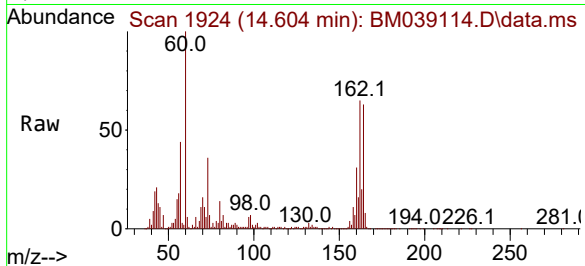




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

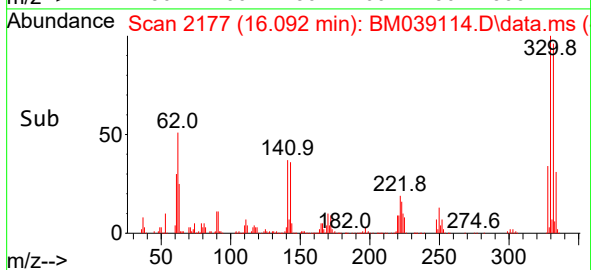
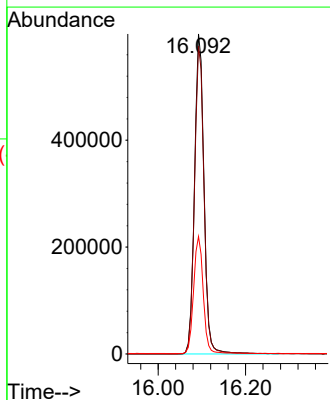
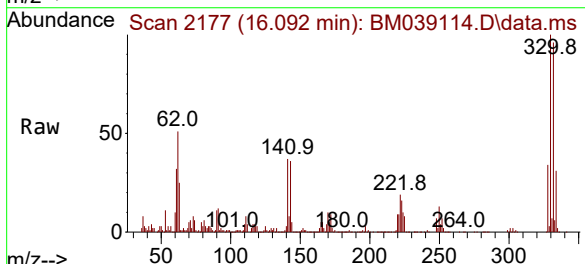
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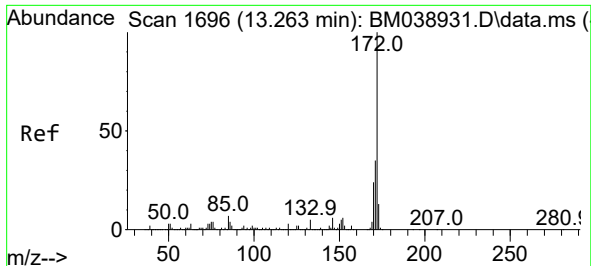
Tgt Ion:164 Resp: 214594
Ion Ratio Lower Upper
164 100
162 103.1 79.2 118.8
160 49.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 365.185 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion:330 Resp: 906575
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 37.0 32.2 48.4

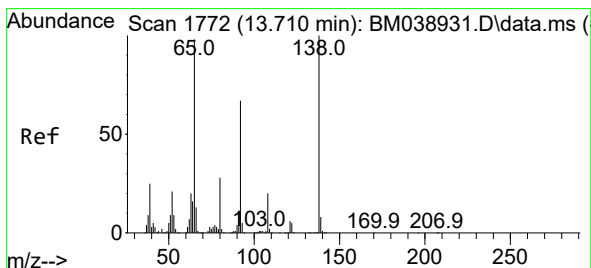
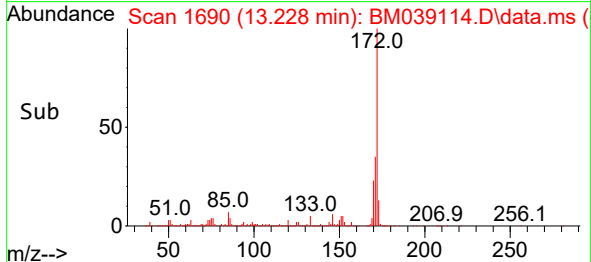
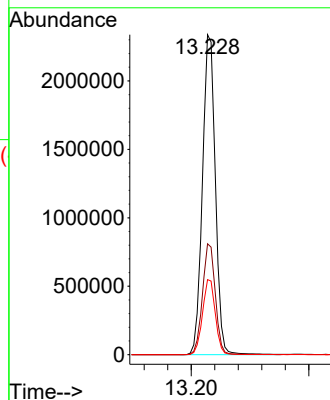
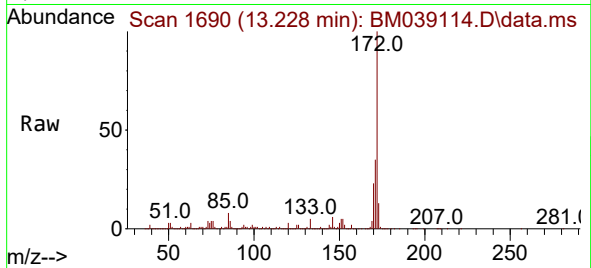




#45
2-Fluorobiphenyl
Concen: 215.782 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

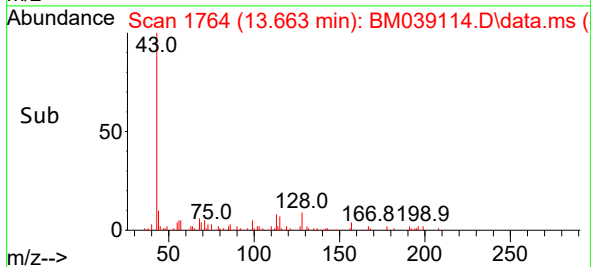
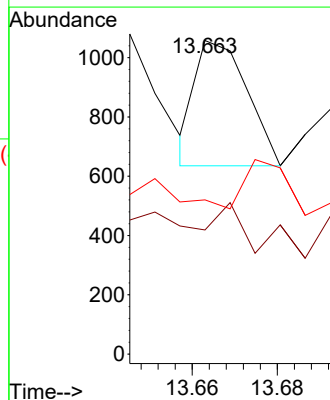
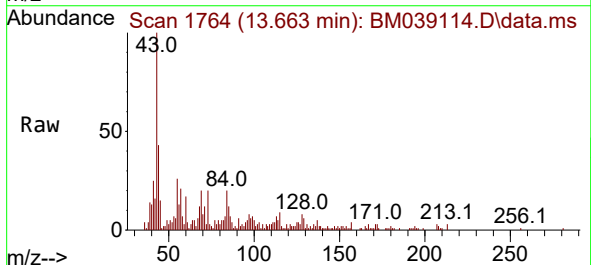
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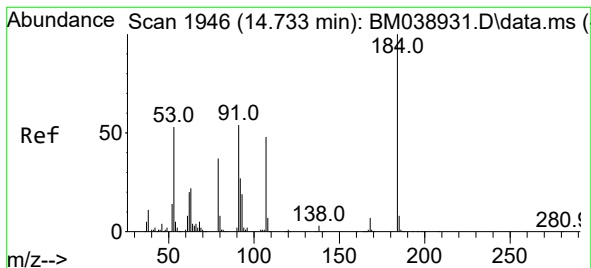
Tgt Ion:172 Resp: 3557045
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.5 19.1 28.7



#48
2-Nitroaniline
Concen: 2.293 ng
RT: 13.663 min Scan# 1764
Delta R.T. -0.029 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion: 65 Resp: 355
Ion Ratio Lower Upper
65 100
92 39.6 54.9 82.3#
138 49.1 81.6 122.4#

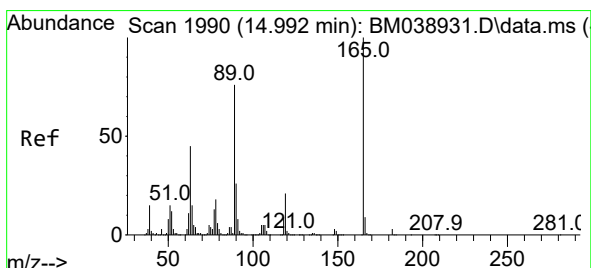
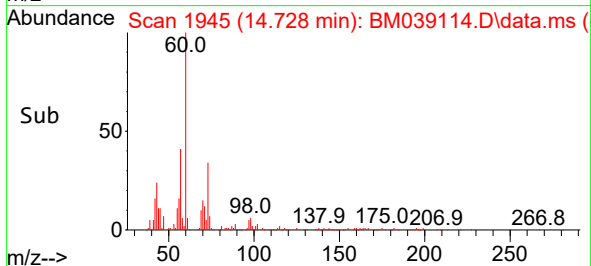
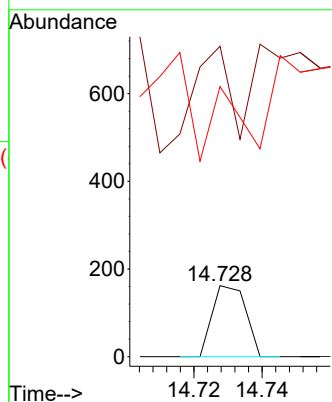
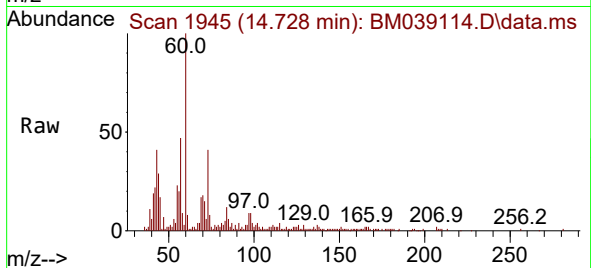




#54
2,4-Dinitrophenol
Concen: 5.240 ng
RT: 14.728 min Scan# 1945
Delta R.T. 0.012 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

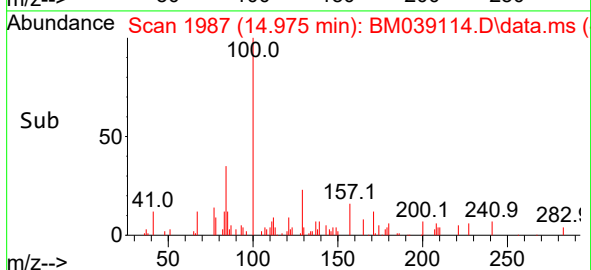
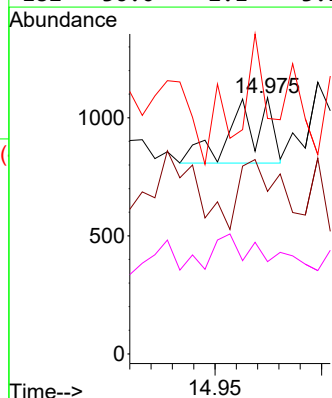
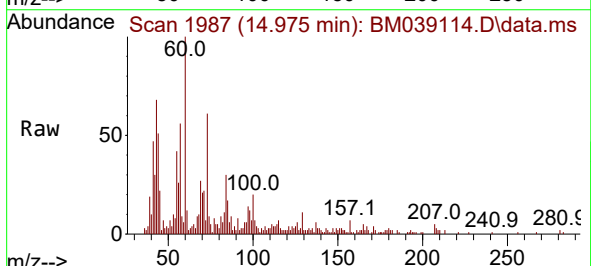
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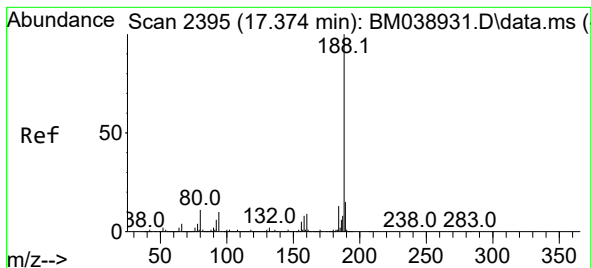
Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 437.0 60.6 90.8#
154 380.2 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 2.137 ng
RT: 14.975 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion:165 Resp: 328
Ion Ratio Lower Upper
165 100
63 63.4 35.9 53.9#
89 91.9 61.0 91.6#
182 36.0 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: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

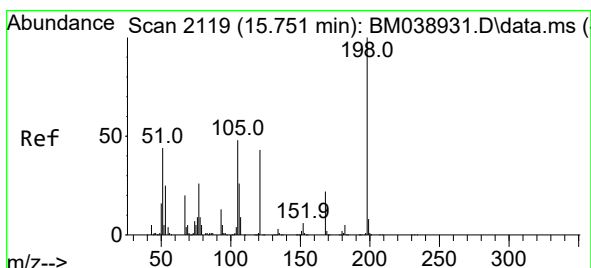
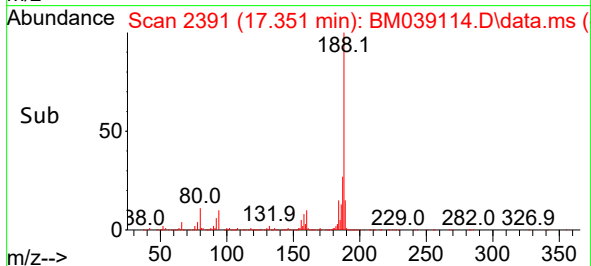
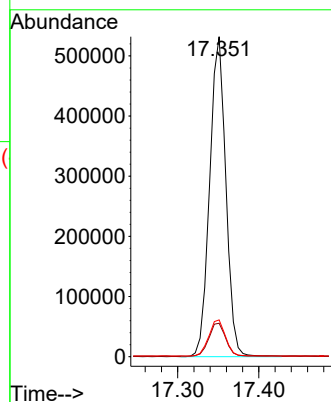
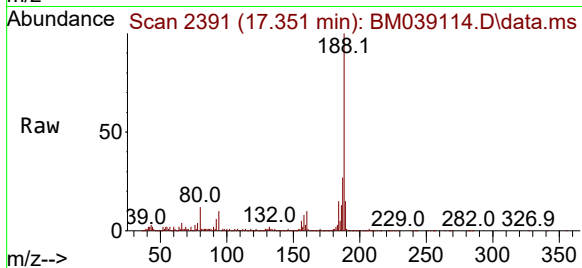
Tgt Ion:188 Resp: 733690

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.5 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.100 ng

RT: 15.751 min Scan# 2119

Delta R.T. 0.018 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

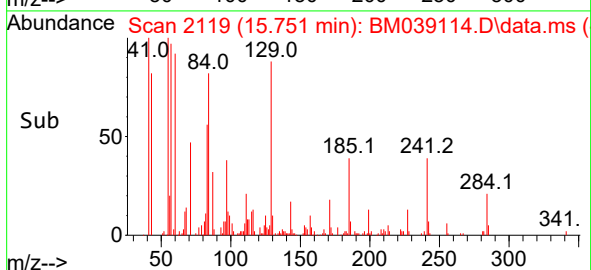
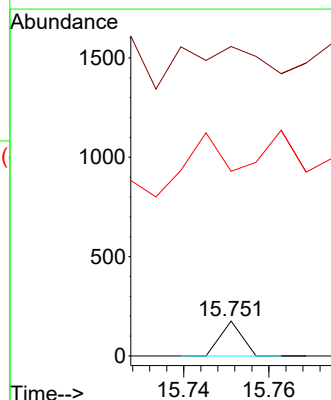
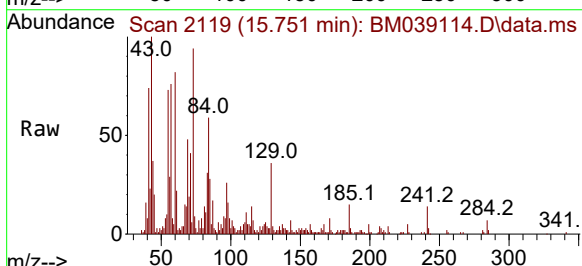
Tgt Ion:198 Resp: 62

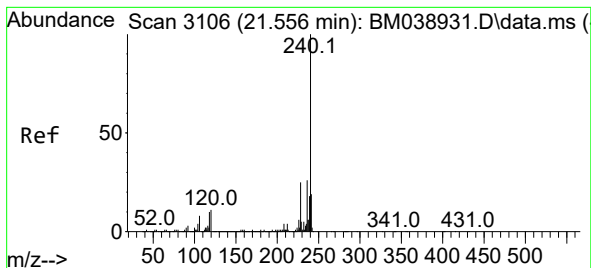
Ion Ratio Lower Upper

198 100

51 884.7 30.1 70.1#

105 527.8 29.3 69.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

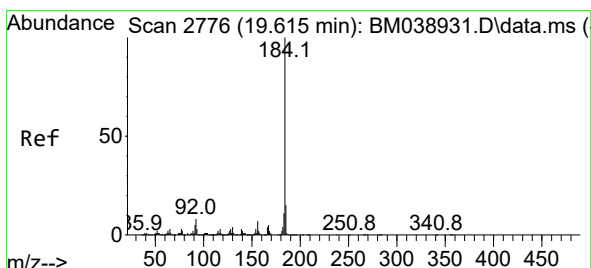
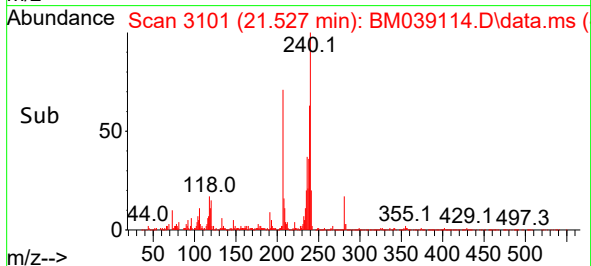
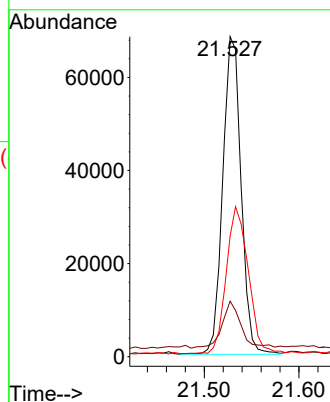
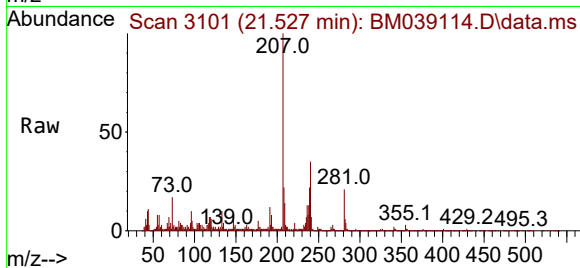
Tgt Ion:240 Resp: 92000

Ion Ratio Lower Upper

240 100

120 17.3 9.2 13.8#

236 37.7 20.8 31.2#



#77

Benzidine

Concen: 5.011 ng

RT: 19.545 min Scan# 2764

Delta R.T. -0.047 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

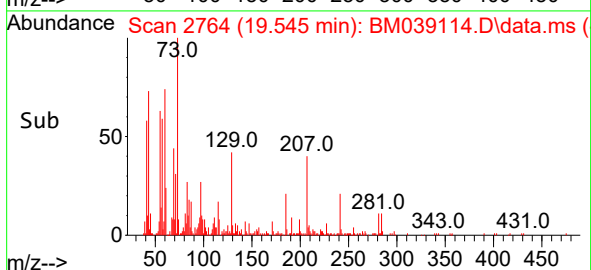
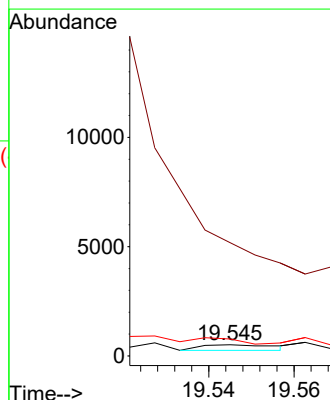
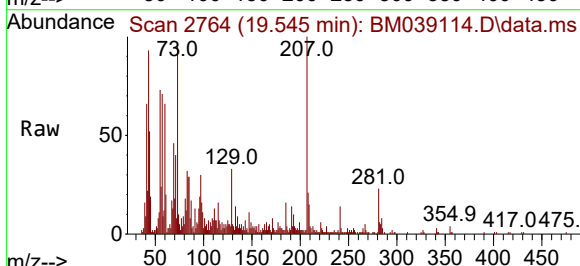
Tgt Ion:184 Resp: 314

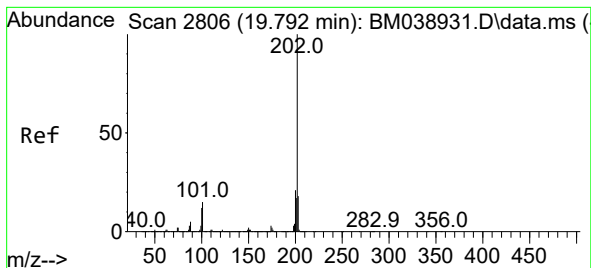
Ion Ratio Lower Upper

184 100

185 1016.9 12.2 18.4#

183 152.5 8.8 13.2#





#78

Pyrene

Concen: 2.585 ng

RT: 19.768 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

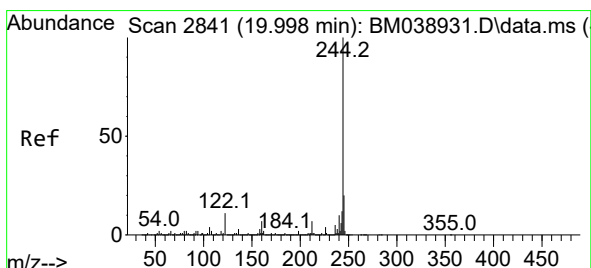
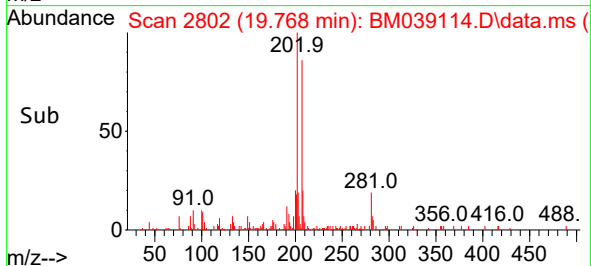
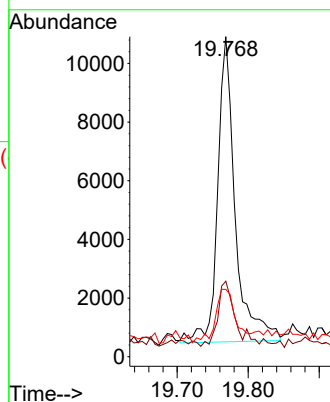
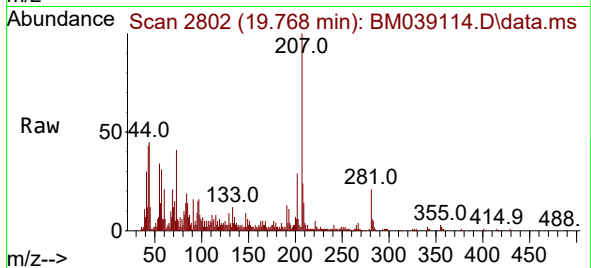
Tgt Ion:202 Resp: 17859

Ion Ratio Lower Upper

202 100

200 23.6 17.1 25.7

203 21.1 14.1 21.1



#79

Terphenyl-d14

Concen: 603.870 ng

RT: 19.968 min Scan# 2836

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

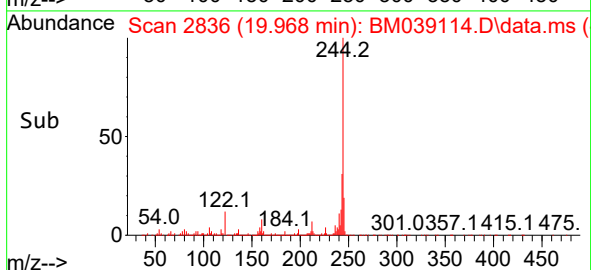
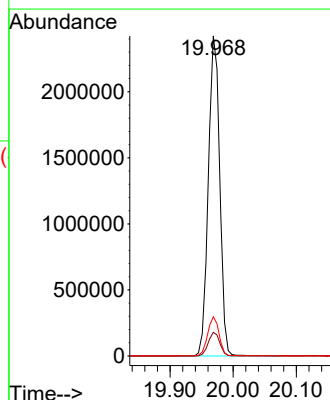
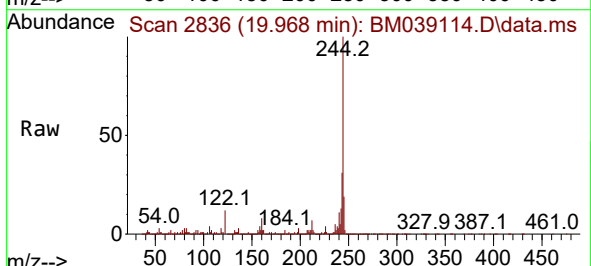
Tgt Ion:244 Resp: 3038617

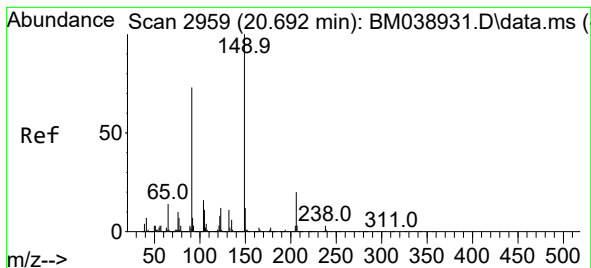
Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 12.2 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.585 ng

RT: 20.674 min Scan# 2959

Delta R.T. 0.012 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

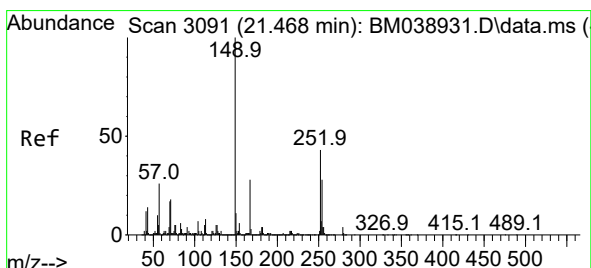
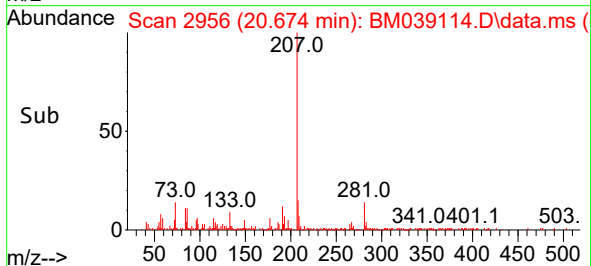
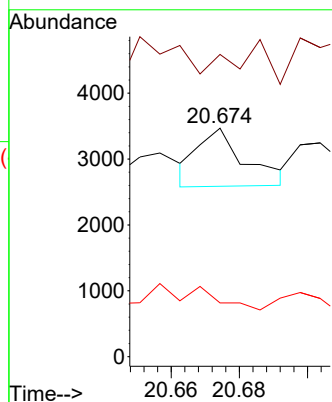
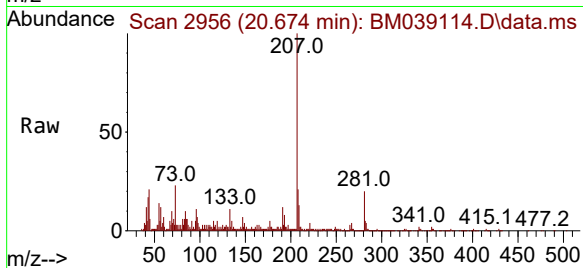
Tgt Ion:149 Resp: 849

Ion Ratio Lower Upper

149 100

91 132.3 58.4 87.6#

206 23.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.391 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

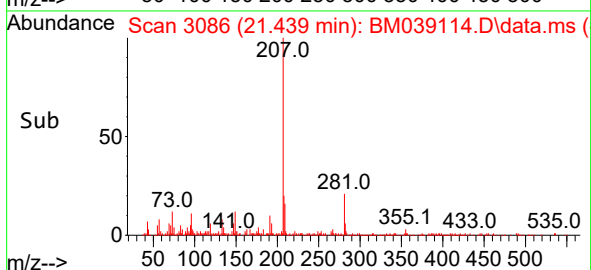
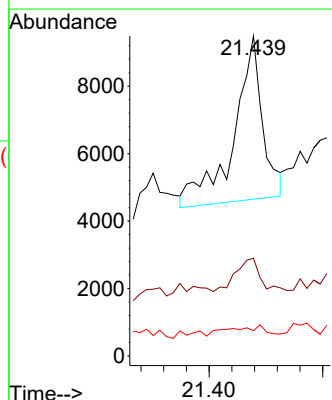
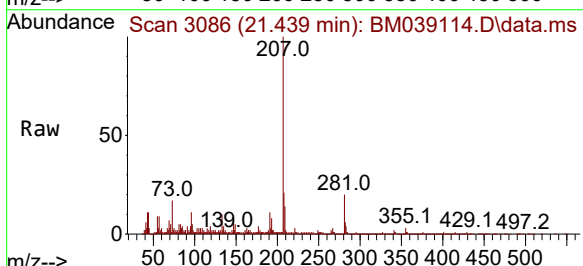
Tgt Ion:149 Resp: 8541

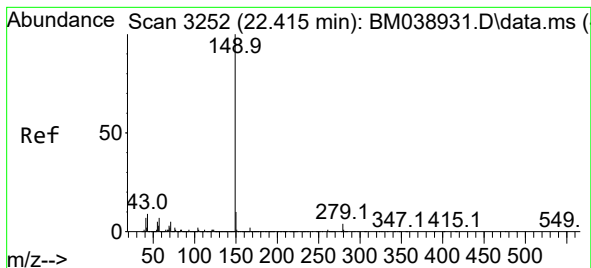
Ion Ratio Lower Upper

149 100

167 30.6 22.3 33.5

279 7.9 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 4.233 ng

RT: 22.380 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

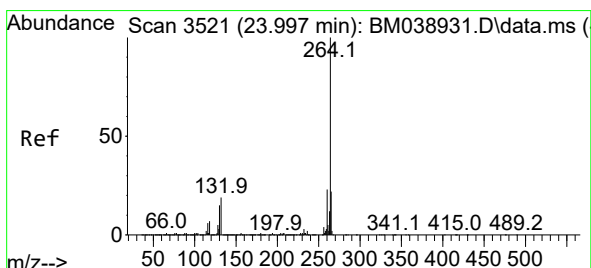
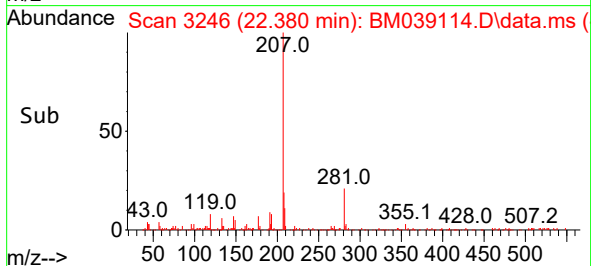
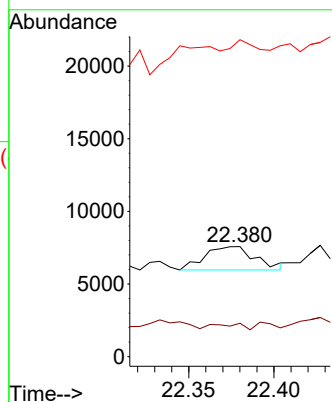
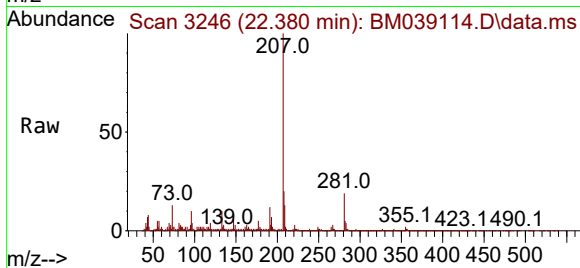
Tgt Ion:149 Resp: 3342

Ion Ratio Lower Upper

149 100

167 11.6 1.2 1.8#

43 64.9 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

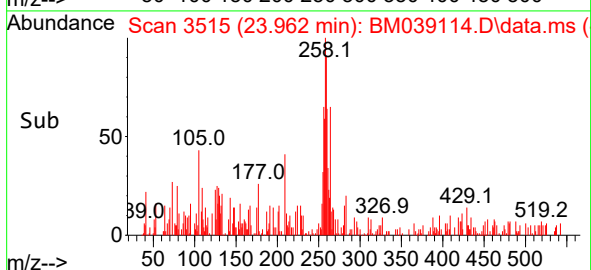
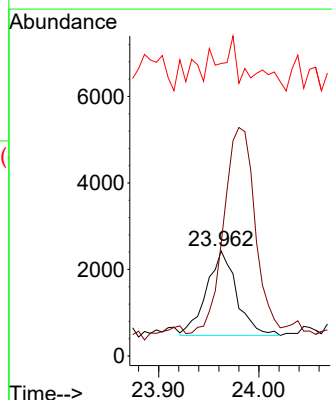
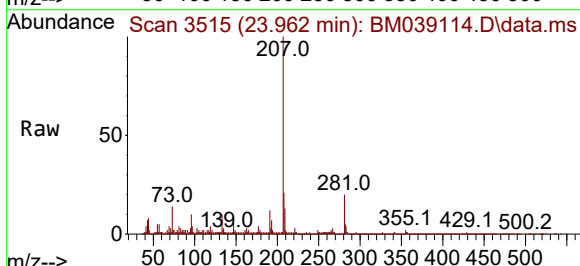
Tgt Ion:264 Resp: 4094

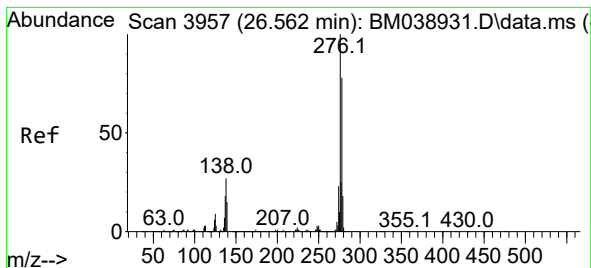
Ion Ratio Lower Upper

264 100

260 107.0 18.7 28.1#

265 278.7 17.9 26.9#





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.113 ng

RT: 26.492 min Scan# 3945

Delta R.T. -0.006 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

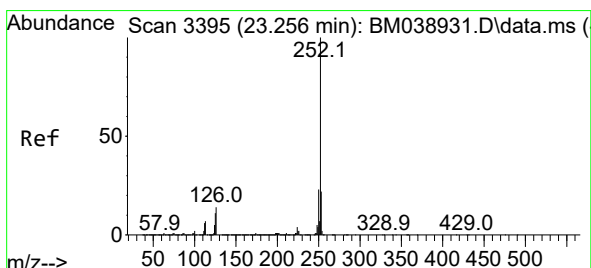
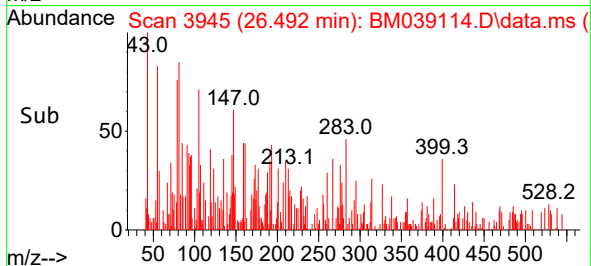
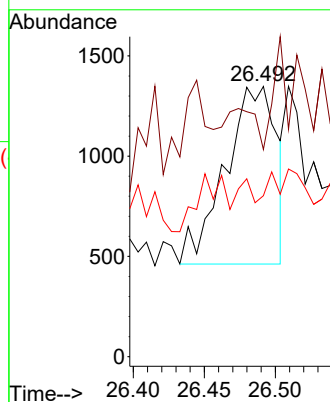
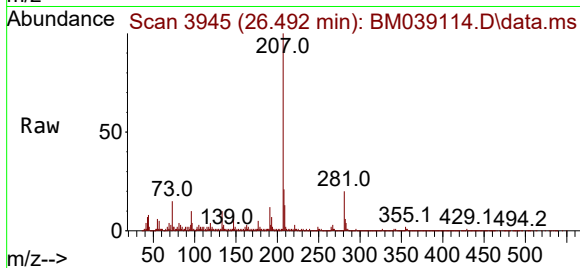
Tgt Ion:276 Resp: 2216

Ion Ratio Lower Upper

276 100

138 14.2 22.1 33.1#

277 11.4 20.1 30.1#



#88

Benzo(b)fluoranthene

Concen: 37.235 ng

RT: 23.221 min Scan# 3389

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

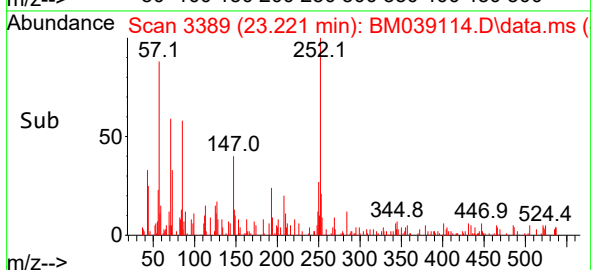
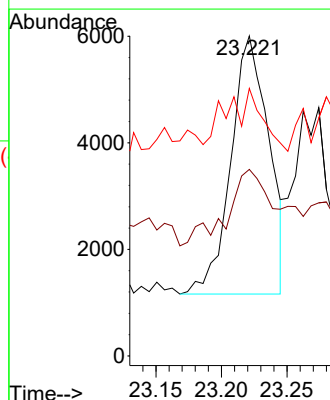
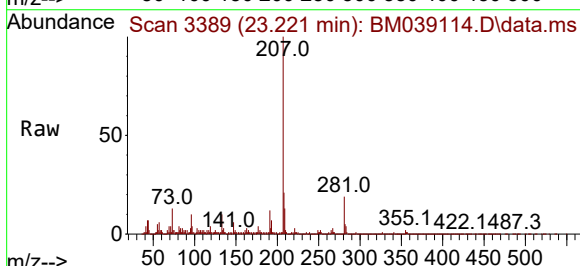
Tgt Ion:252 Resp: 9739

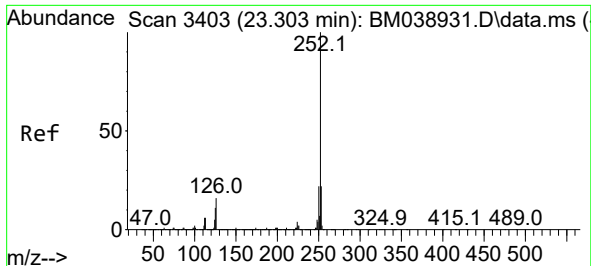
Ion Ratio Lower Upper

252 100

253 58.3 17.6 26.4#

125 83.6 8.8 13.2#

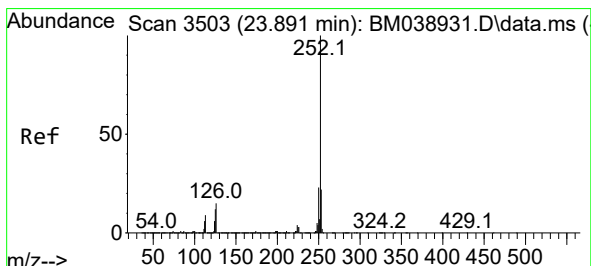
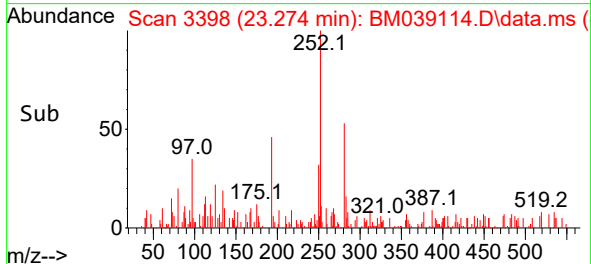
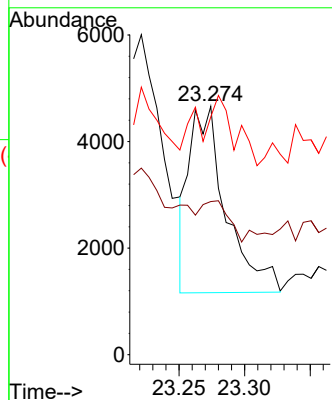
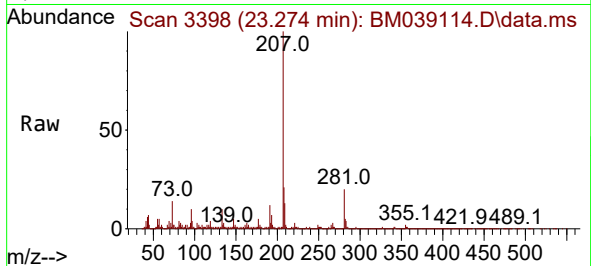




#89
Benzo(k)fluoranthene
Concen: 24.997 ng
RT: 23.274 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

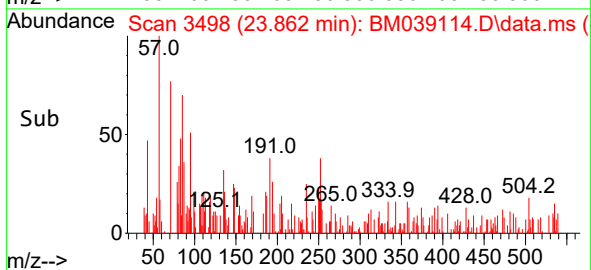
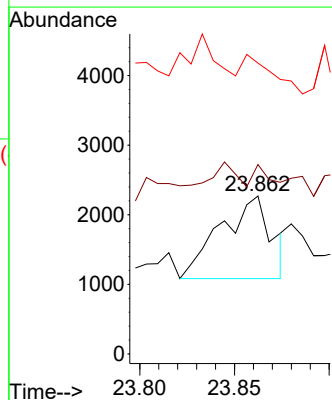
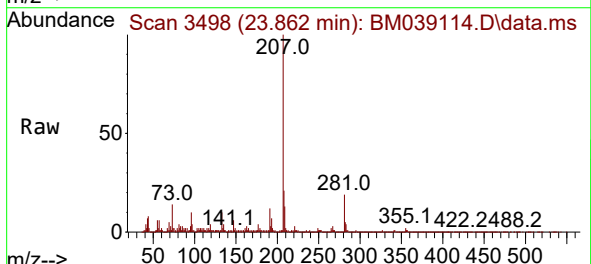
Instrument :
BNA_M
ClientSampleId :
IRV-2RE

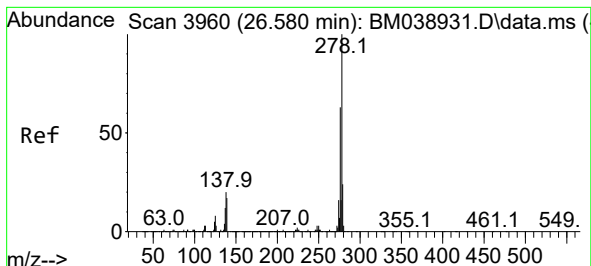
Tgt Ion:252 Resp: 6804
Ion Ratio Lower Upper
252 100
253 61.6 17.5 26.3#
125 95.7 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 8.768 ng
RT: 23.862 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BM039114.D
Acq: 23 Mar 2023 12:10

Tgt Ion:252 Resp: 2207
Ion Ratio Lower Upper
252 100
253 120.0 17.6 26.4#
125 184.1 9.8 14.8#





#91

Dibenzo(a,h)anthracene

Concen: 11.432 ng

RT: 26.509 min Scan# 3948

Delta R.T. 0.000 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Instrument :

BNA_M

ClientSampleId :

IRV-2RE

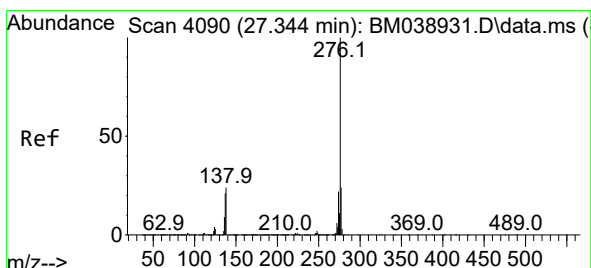
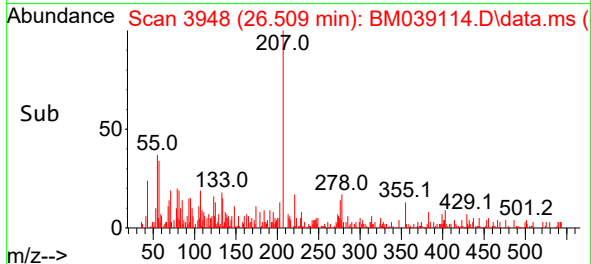
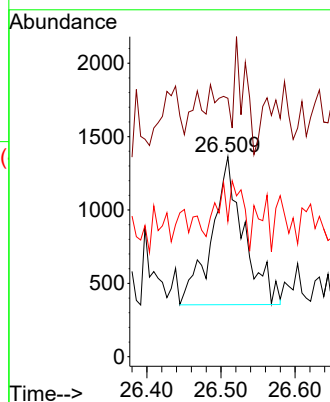
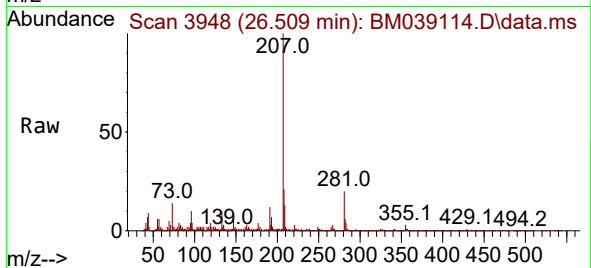
Tgt Ion:278 Resp: 3016

Ion Ratio Lower Upper

278 100

139 129.2 13.7 20.5#

279 67.7 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 11.429 ng

RT: 27.268 min Scan# 4077

Delta R.T. -0.006 min

Lab File: BM039114.D

Acq: 23 Mar 2023 12:10

Tgt Ion:276 Resp: 2950

Ion Ratio Lower Upper

276 100

277 50.8 19.3 28.9#

138 80.9 19.0 28.6#

