

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039079.D
 Acq On : 21 Mar 2023 21:30
 Operator : CG/JU
 Sample : 02001-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-1

Quant Time: Mar 22 03:45:10 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)

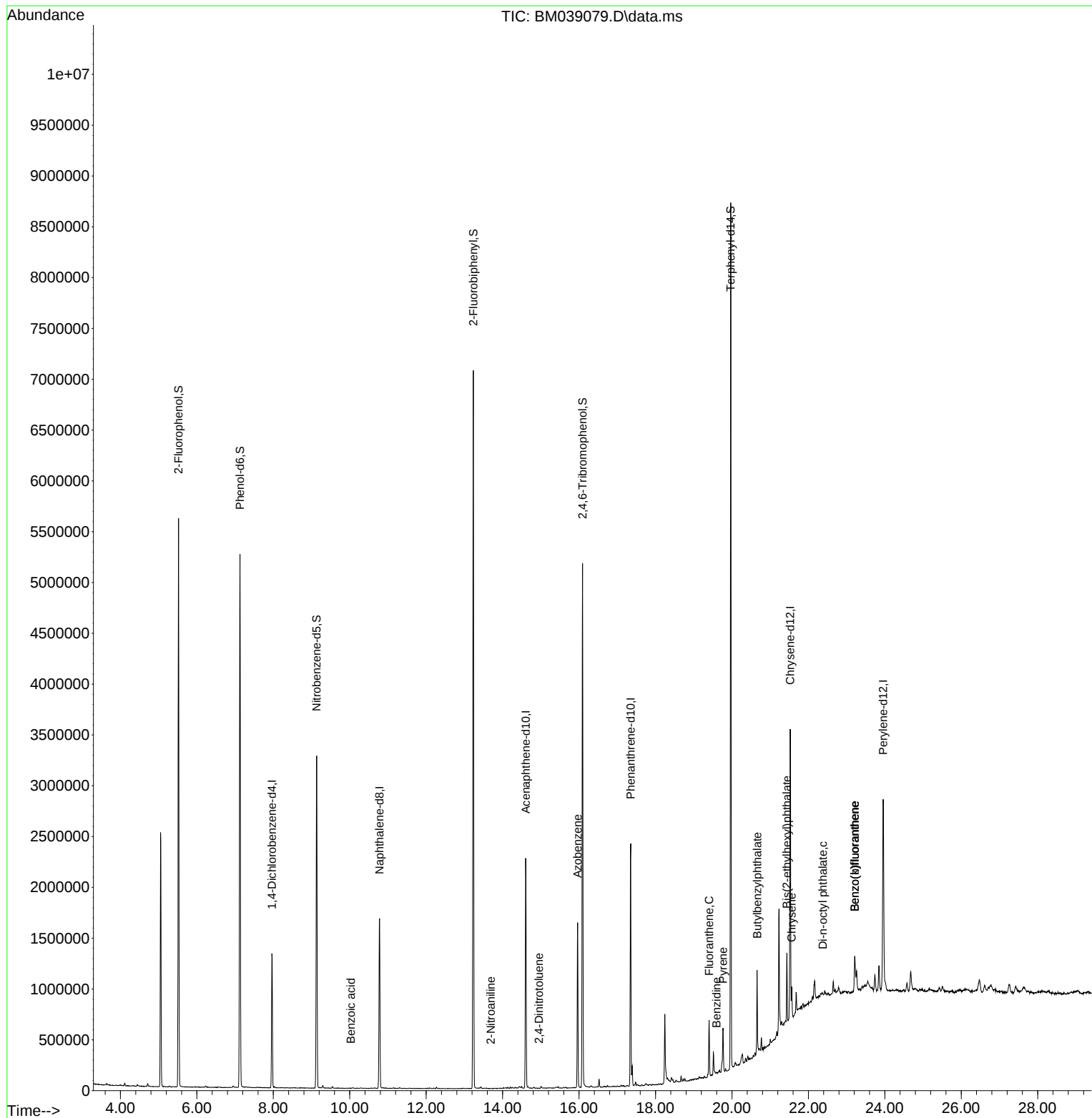
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	349308	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1400451	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	763056	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1396273	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1197348	20.000	ng	0.00
86) Perylene-d12	23.956	264	1355226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2367106	102.956	ng	0.00
7) Phenol-d6	7.128	99	3013920	100.922	ng	0.00
23) Nitrobenzene-d5	9.133	82	1828346	64.129	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	851625	96.476	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	3445288	58.778	ng	0.00
79) Terphenyl-d14	19.968	244	3808063	58.149	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.028	122	128	5.740	ng	# 21
48) 2-Nitroaniline	13.692	65	57	2.219	ng	# 6
57) 2,4-Dinitrotoluene	14.951	165	54	2.074	ng	# 1
63) Azobenzene	15.962	77	452926	7.492	ng	# 1
75) Fluoranthene	19.403	202	280578	3.243	ng	99
77) Benzidine	19.597	184	149	4.881	ng	# 1
78) Pyrene	19.768	202	252371	2.806	ng	99
80) Butylbenzylphthalate	20.662	149	13863	3.653	ng	91
83) Chrysene	21.562	228	174762	2.084	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	229470	6.421	ng	99
85) Di-n-octyl phthalate	22.380	149	7374	3.870	ng	# 76
88) Benzo(b)fluoranthene	23.215	252	240061	2.773	ng	# 97
89) Benzo(k)fluoranthene	23.215	252	240061	2.664	ng	# 97

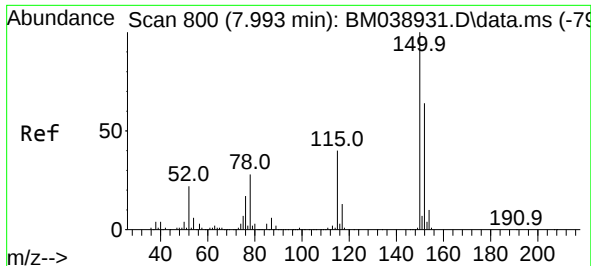
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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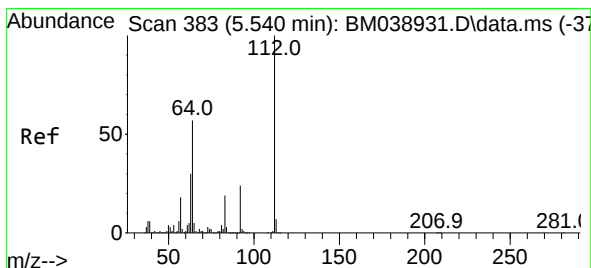
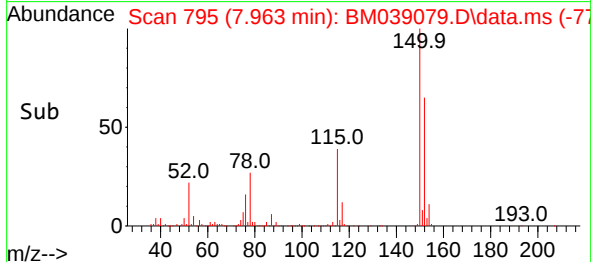
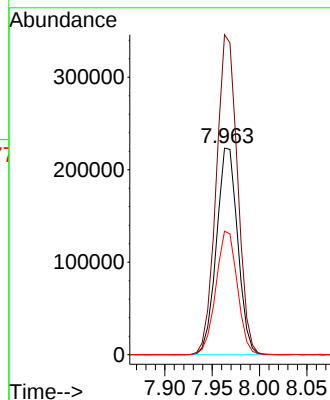
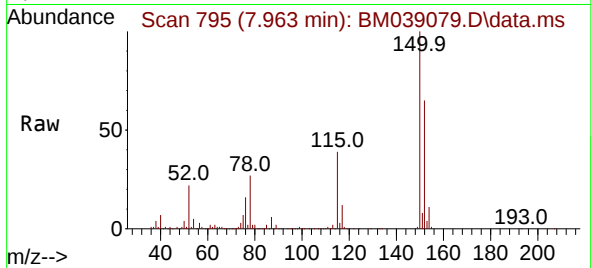




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

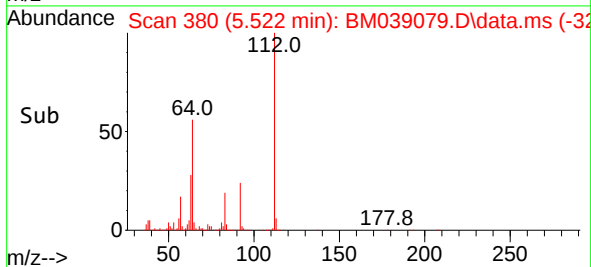
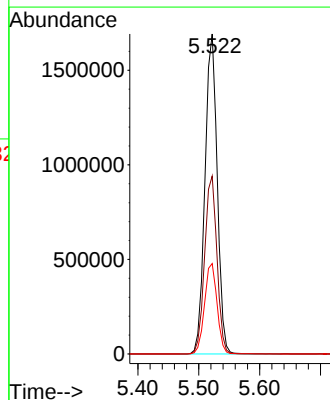
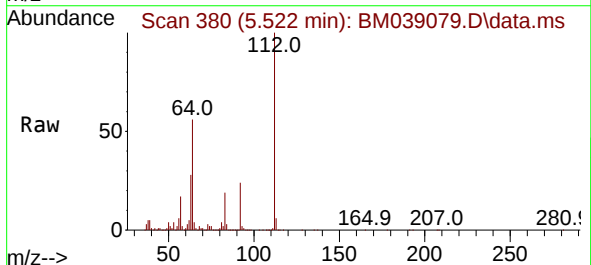
Instrument :
BNA_M
ClientSampleId :
IRV-1

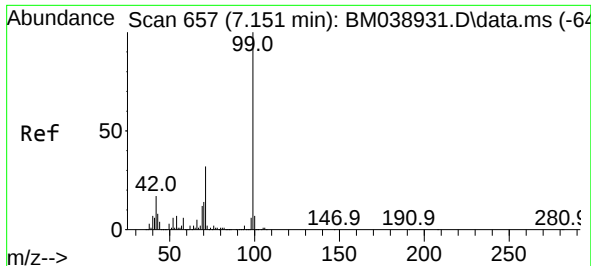
Tgt Ion:152 Resp: 349308
Ion Ratio Lower Upper
152 100
150 154.9 125.1 187.7
115 59.8 49.6 74.4



#5
2-Fluorophenol
Concen: 102.956 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:112 Resp: 2367106
Ion Ratio Lower Upper
112 100
64 55.6 45.9 68.9
63 28.2 23.8 35.8



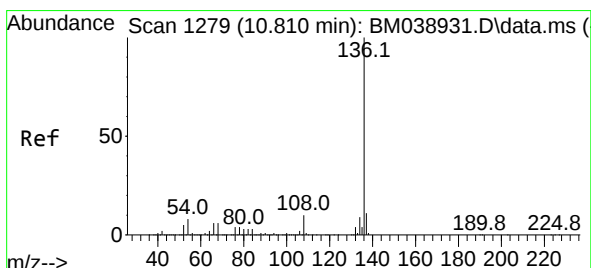
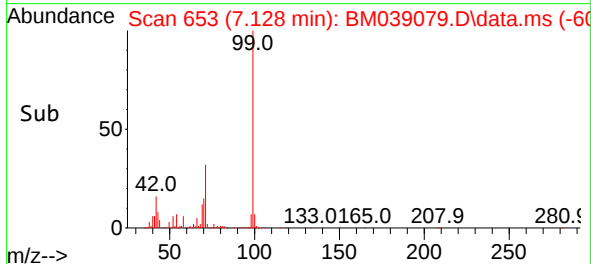
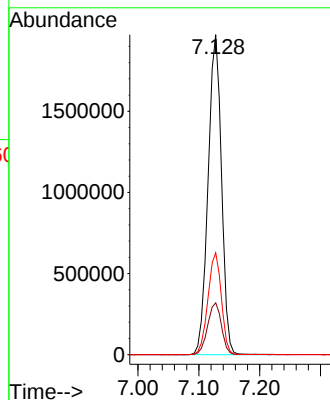
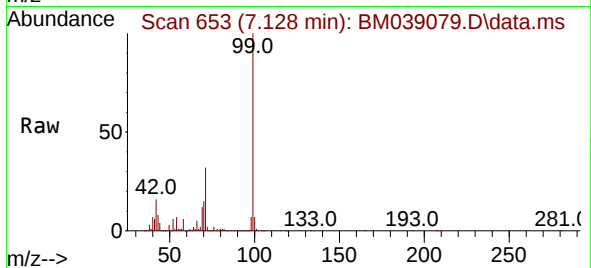


#7
Phenol-d6
Concen: 100.922 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Instrument :
BNA_M
ClientSampleId :
IRV-1

Tgt Ion: 99 Resp: 3013920

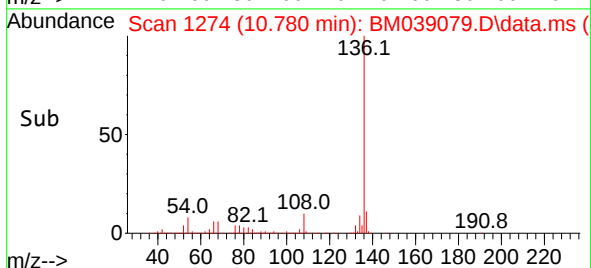
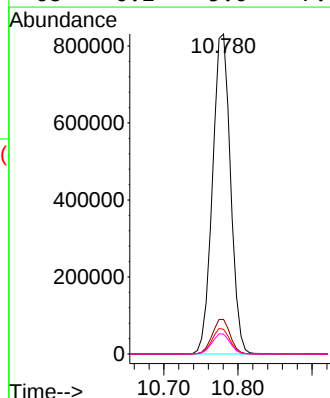
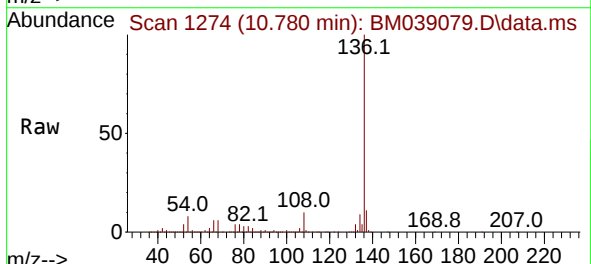
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	31.9	25.6	38.4

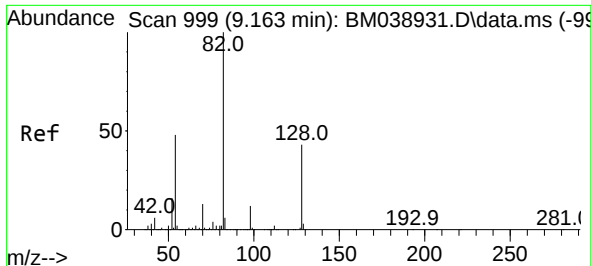


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion: 136 Resp: 1400451

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.7	6.3	9.5
68	6.2	5.0	7.6

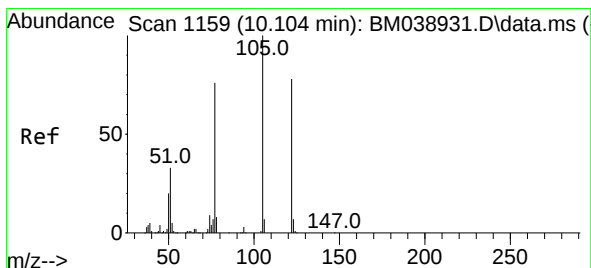
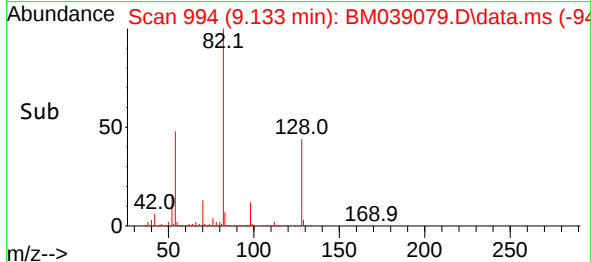
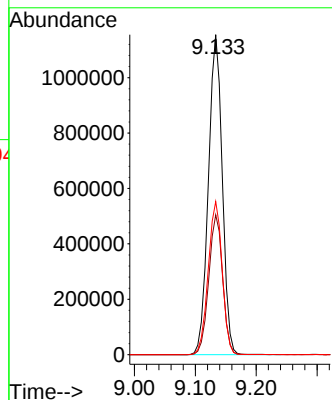
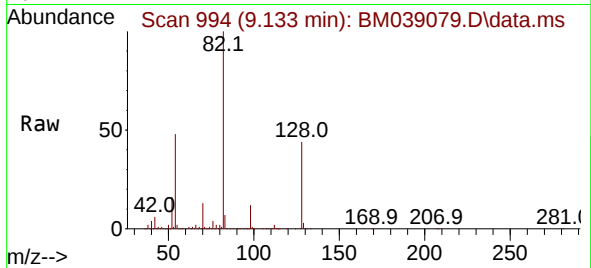




#23
Nitrobenzene-d5
Concen: 64.129 ng
RT: 9.133 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

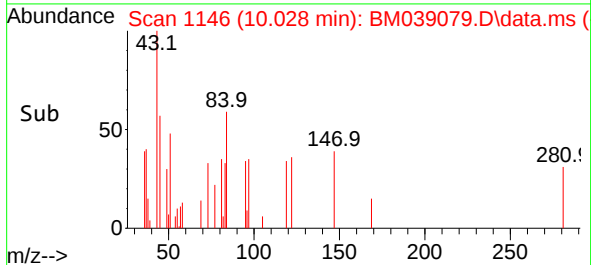
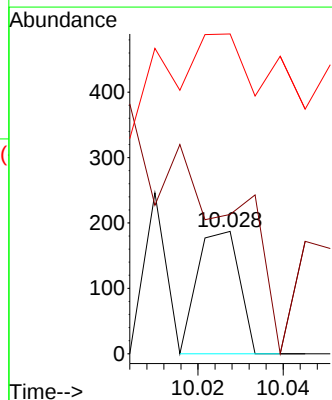
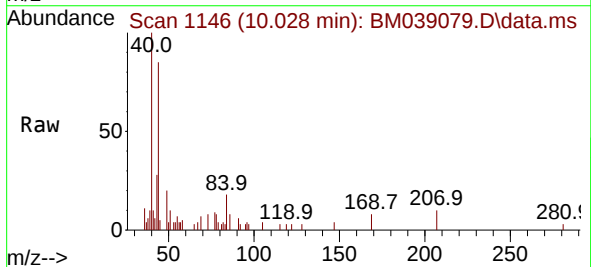
Instrument :
BNA_M
ClientSampleId :
IRV-1

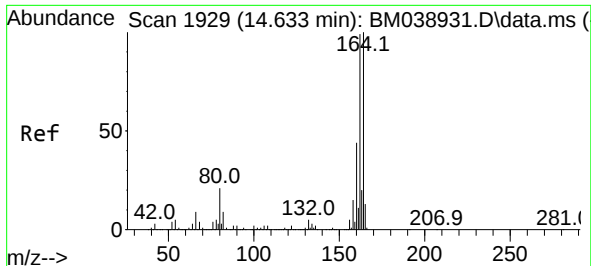
Tgt Ion: 82 Resp: 1828346
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 47.9 38.8 58.2



#32
Benzoic acid
Concen: 5.740 ng
RT: 10.028 min Scan# 1146
Delta R.T. -0.059 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:122 Resp: 128
Ion Ratio Lower Upper
122 100
105 113.9 104.2 144.2
77 261.5 75.1 115.1#

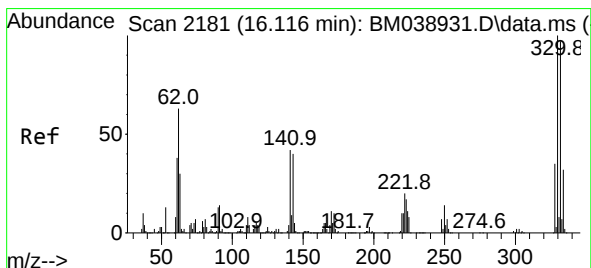
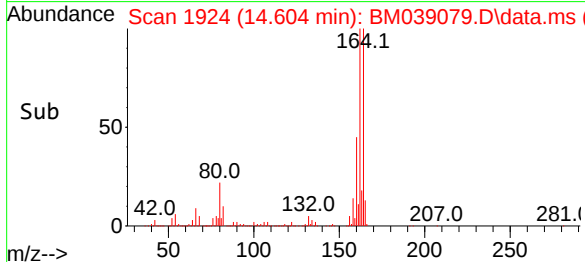
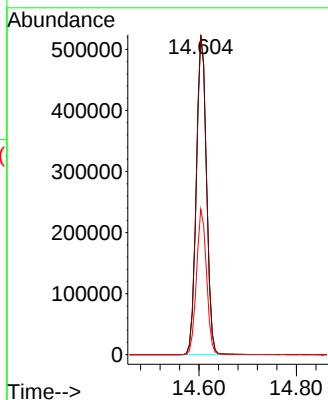
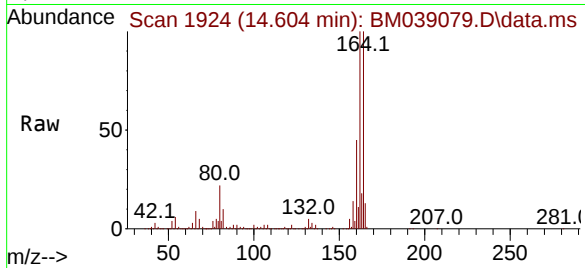




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

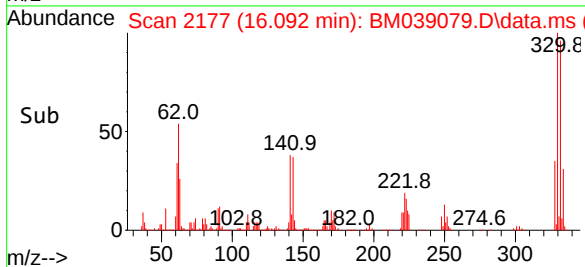
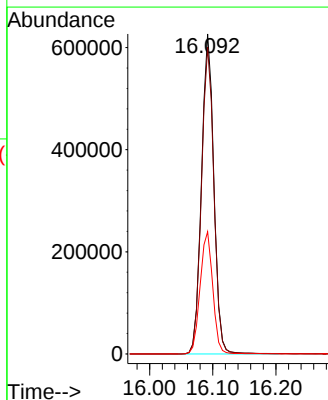
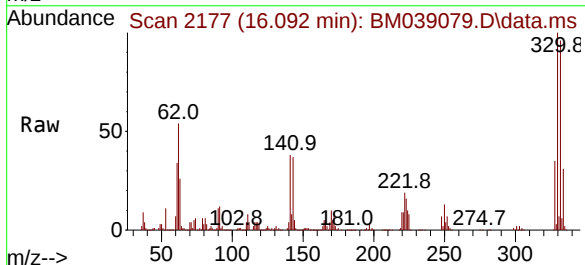
Instrument :
BNA_M
ClientSampleId :
IRV-1

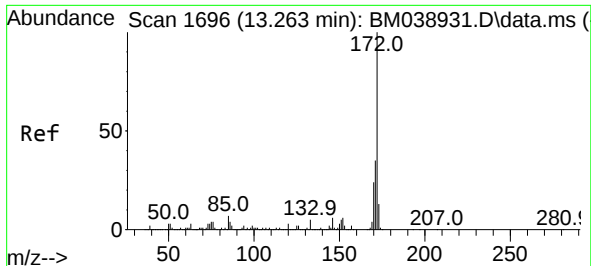
Tgt Ion:164 Resp: 763056
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 45.5 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 96.476 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:330 Resp: 851625
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 39.2 32.2 48.4

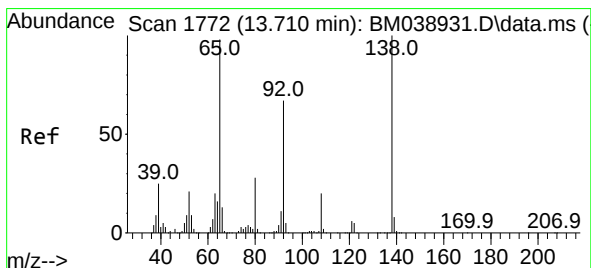
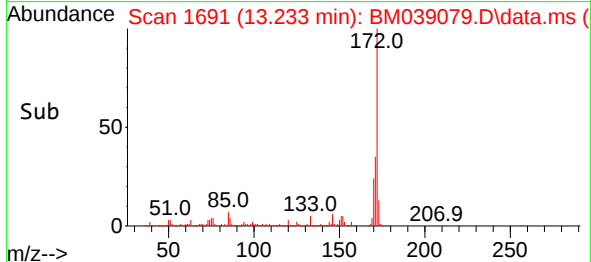
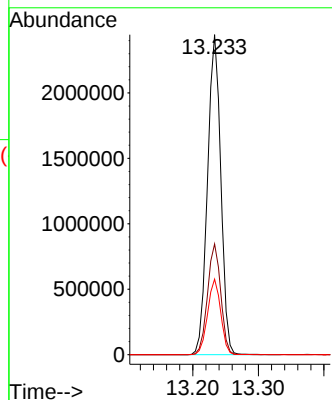
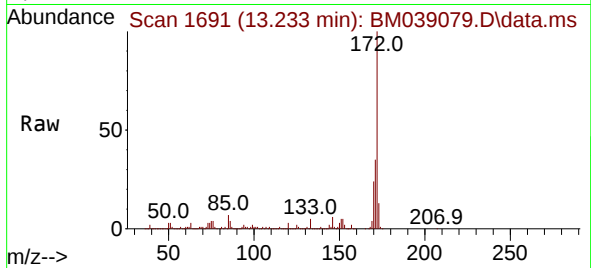




#45
2-Fluorobiphenyl
Concen: 58.778 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

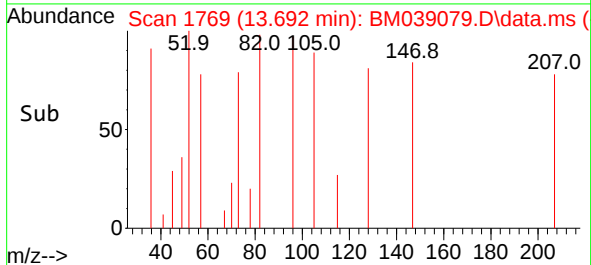
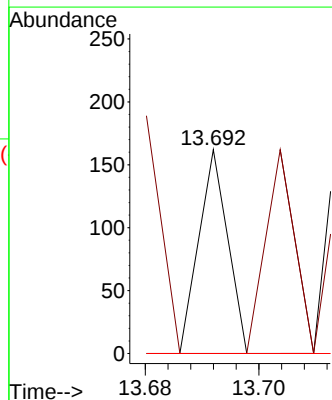
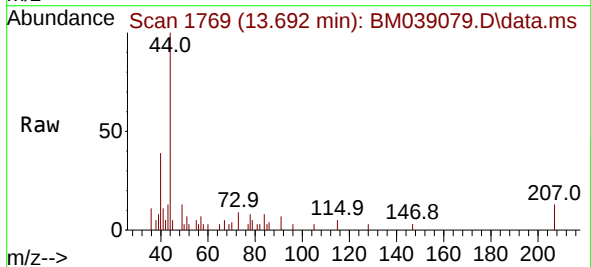
Instrument :
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ClientSampleId :
IRV-1

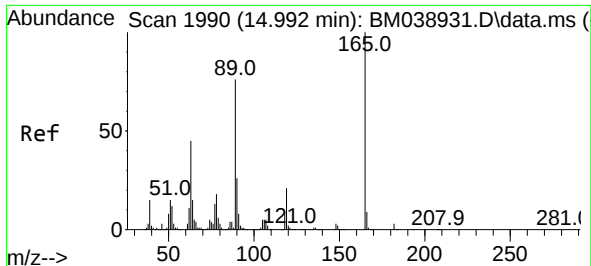
Tgt Ion:172 Resp: 3445288
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 2.219 ng
RT: 13.692 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#

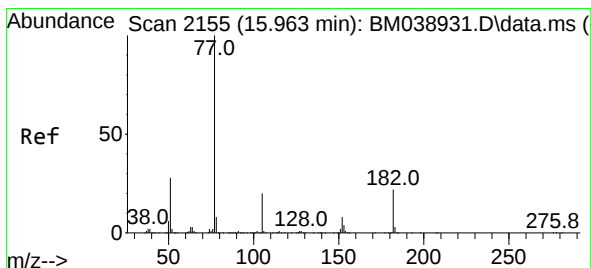
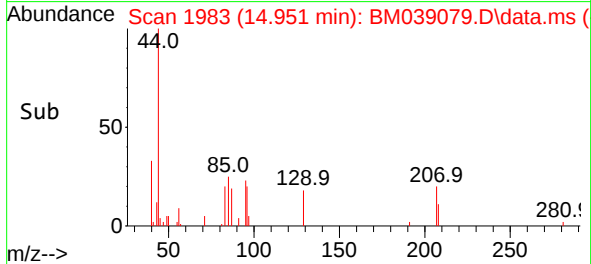
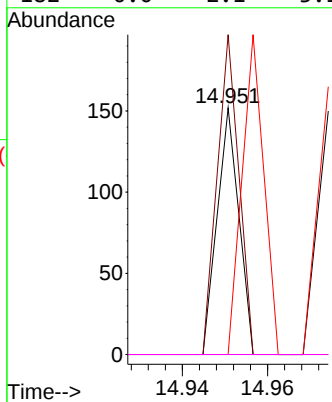
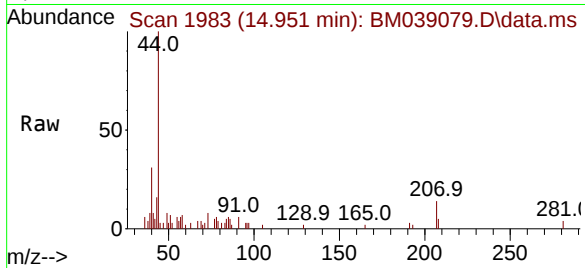




#57
2,4-Dinitrotoluene
Concen: 2.074 ng
RT: 14.951 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

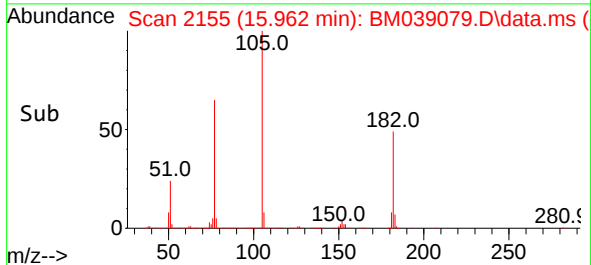
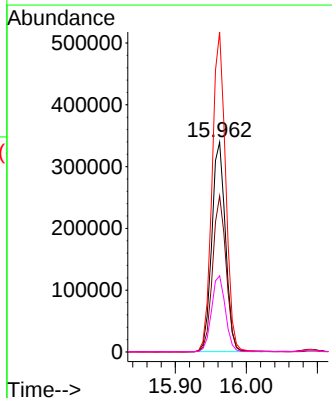
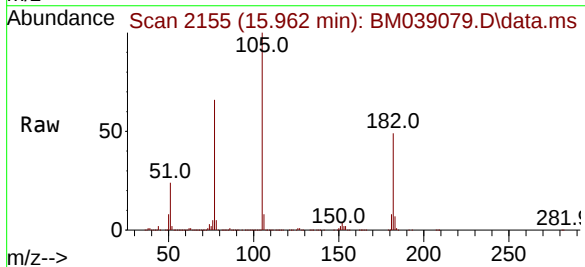
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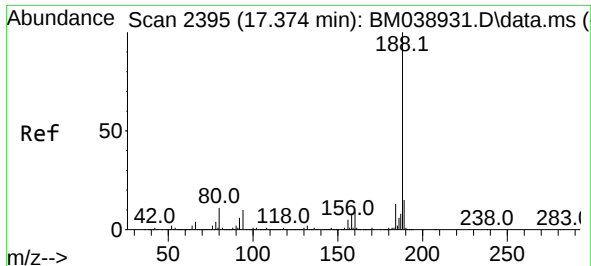
Tgt Ion:165 Resp: 54
Ion Ratio Lower Upper
165 100
63 129.6 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 7.492 ng
RT: 15.962 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion: 77 Resp: 452926
Ion Ratio Lower Upper
77 100
182 74.4 2.0 42.0#
105 152.6 0.4 40.4#
51 36.3 8.0 48.0

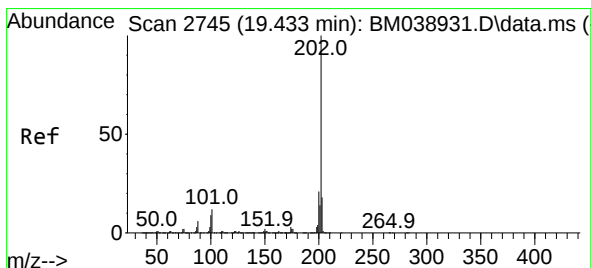
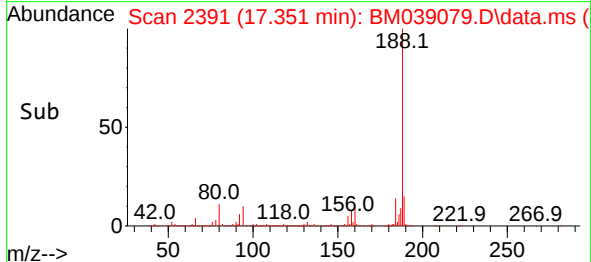
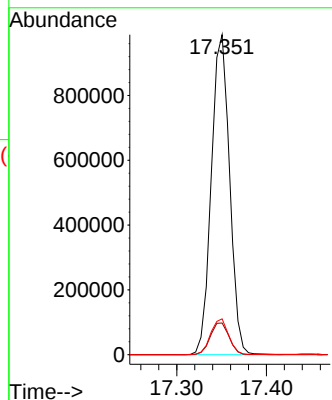
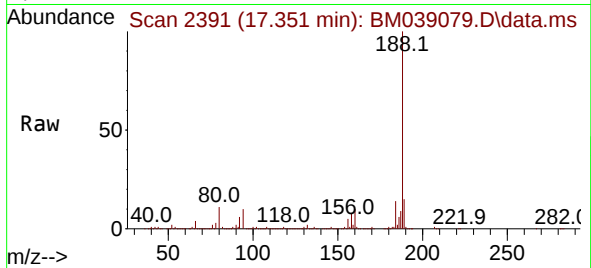




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

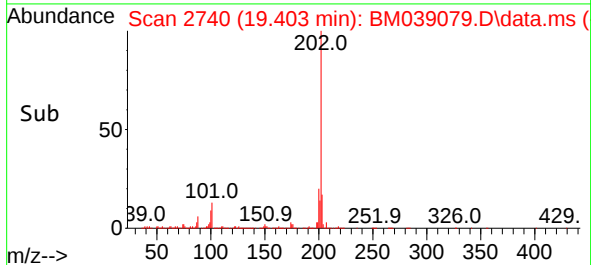
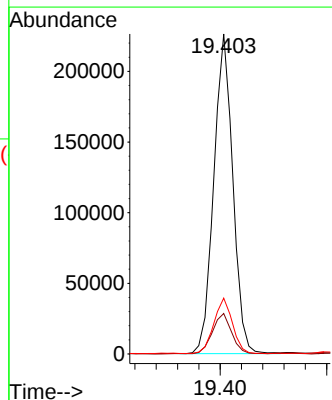
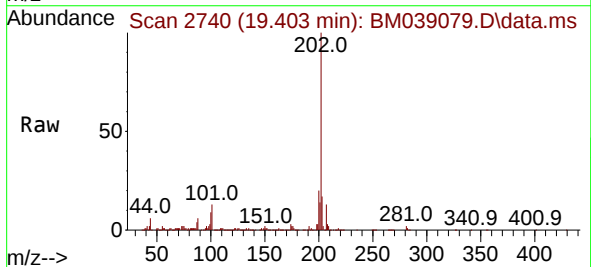
Instrument :
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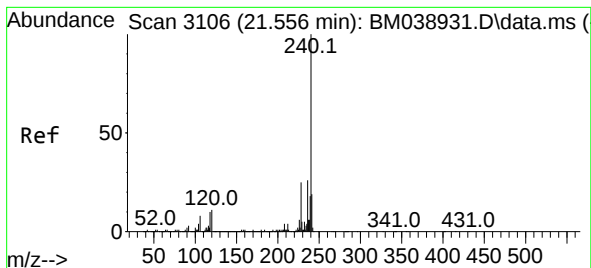
Tgt Ion:188 Resp: 1396273
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 11.2 8.5 12.7



#75
Fluoranthene
Concen: 3.243 ng
RT: 19.403 min Scan# 2740
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:202 Resp: 280578
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039079.D

Acq: 21 Mar 2023 21:30

Instrument :

BNA_M

ClientSampleId :

IRV-1

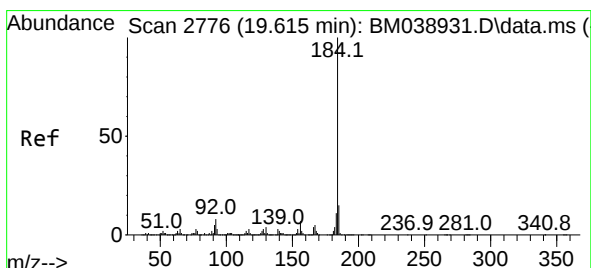
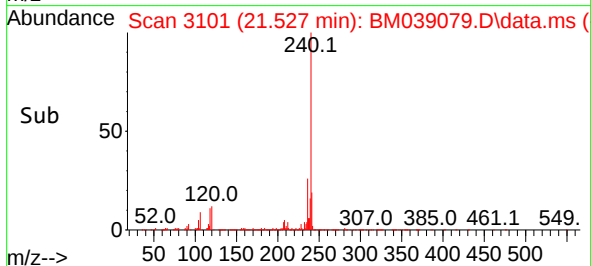
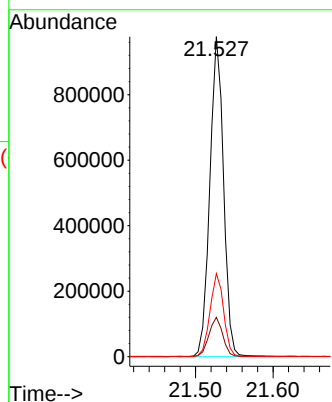
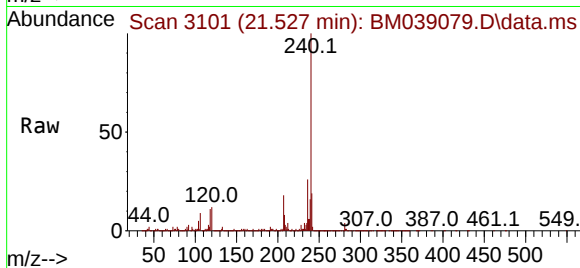
Tgt Ion:240 Resp: 1197348

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

236 26.0 20.8 31.2



#77

Benzidine

Concen: 4.881 ng

RT: 19.597 min Scan# 2773

Delta R.T. 0.006 min

Lab File: BM039079.D

Acq: 21 Mar 2023 21:30

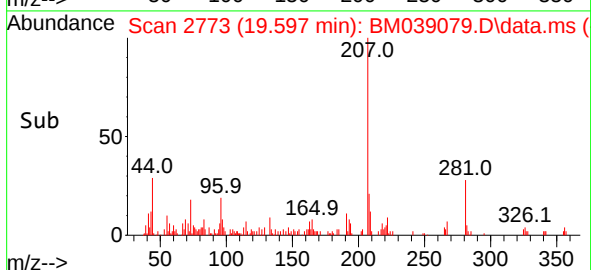
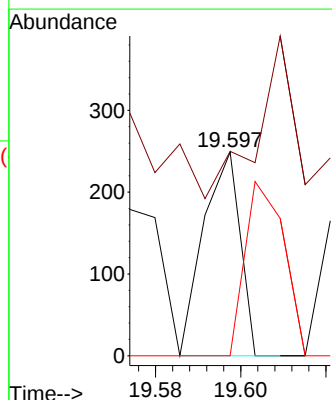
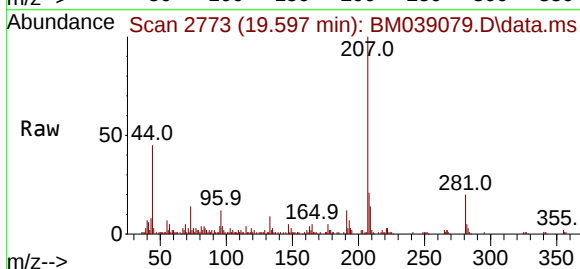
Tgt Ion:184 Resp: 149

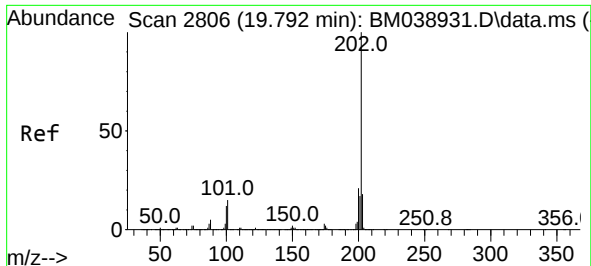
Ion Ratio Lower Upper

184 100

185 100.4 12.2 18.4#

183 0.0 8.8 13.2#

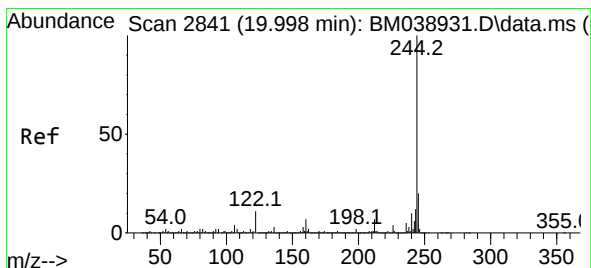
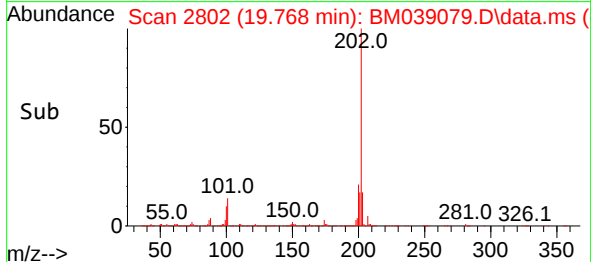
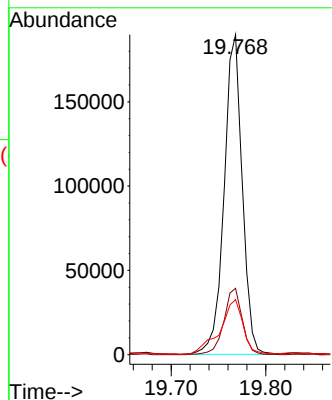
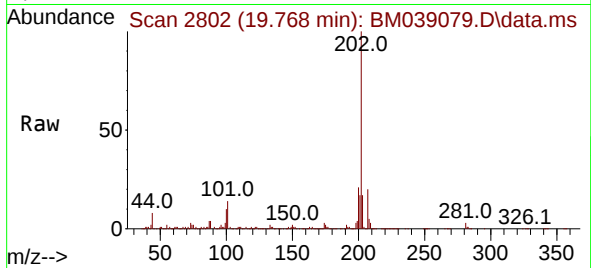




#78
Pyrene
Concen: 2.806 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

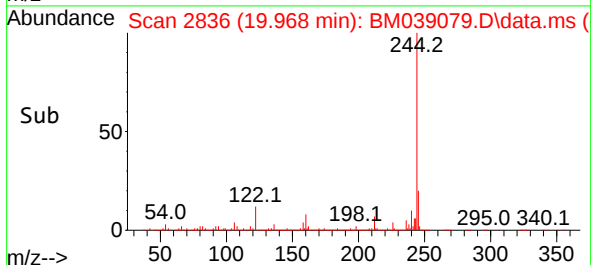
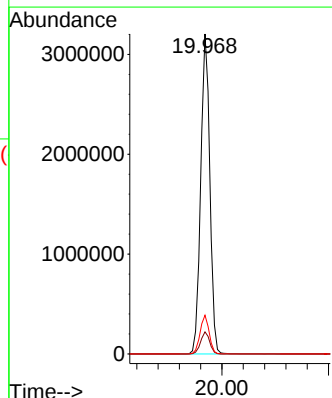
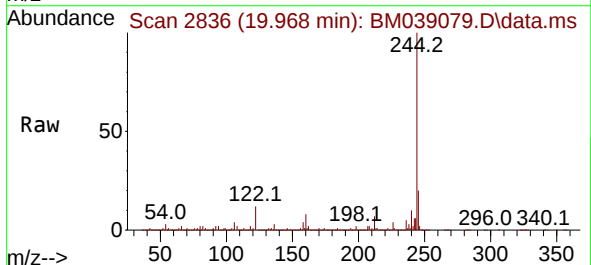
Instrument :
BNA_M
ClientSampleId :
IRV-1

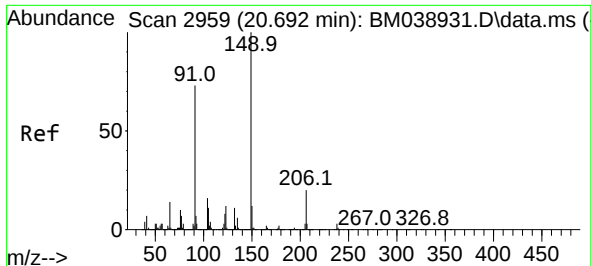
Tgt Ion:202 Resp: 252371
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.2 14.1 21.1



#79
Terphenyl-d14
Concen: 58.149 ng
RT: 19.968 min Scan# 2836
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:244 Resp: 3808063
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 12.1 9.0 13.4

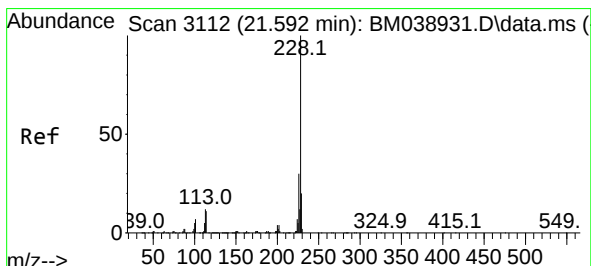
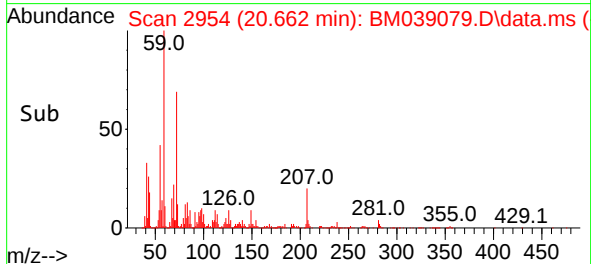
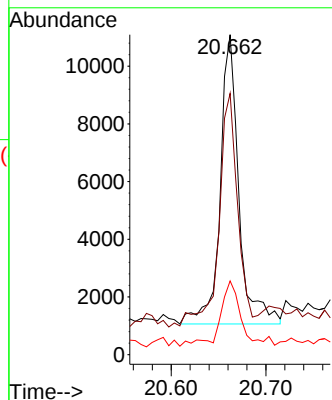
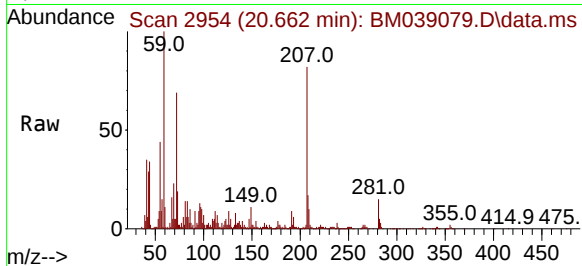




#80
Butylbenzylphthalate
Concen: 3.653 ng
RT: 20.662 min Scan# 2107
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

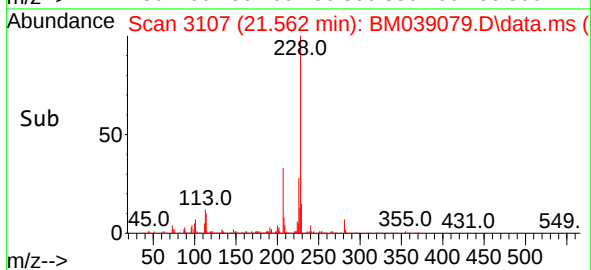
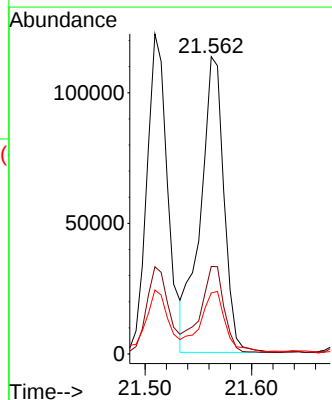
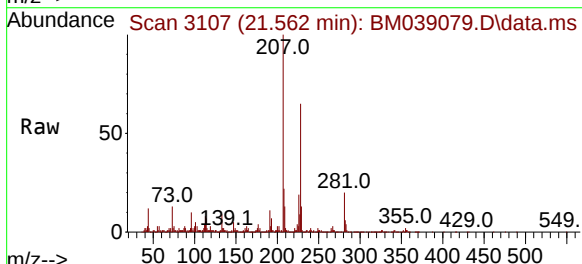
Instrument :
BNA_M
ClientSampleId :
IRV-1

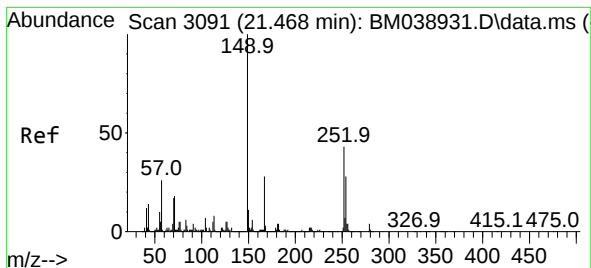
Tgt Ion:149 Resp: 13863
Ion Ratio Lower Upper
149 100
91 81.6 58.4 87.6
206 23.0 16.1 24.1



#83
Chrysene
Concen: 2.084 ng
RT: 21.562 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:228 Resp: 174762
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 20.5 16.0 24.0

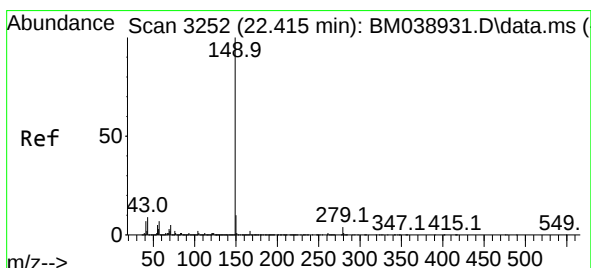
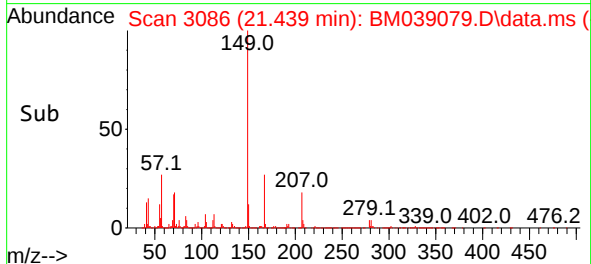
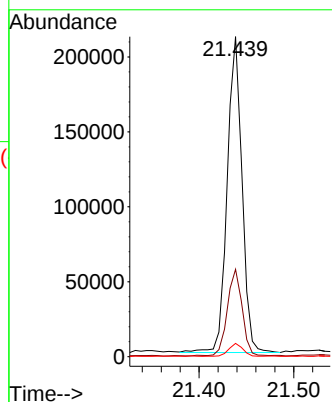
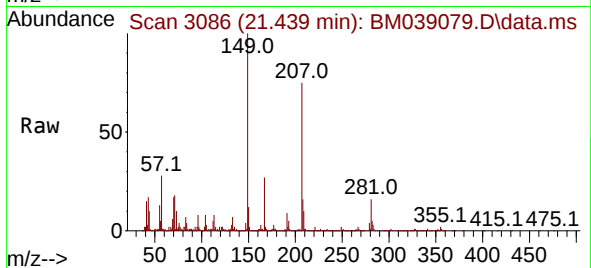




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.421 ng
RT: 21.439 min Scan# 3091
Delta R.T. -0.000 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

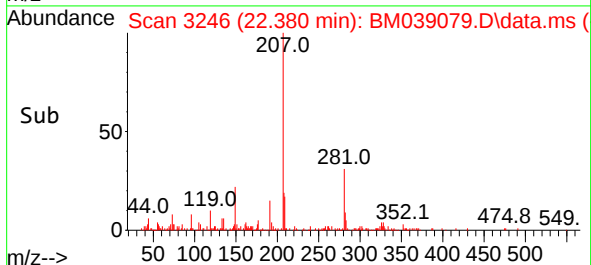
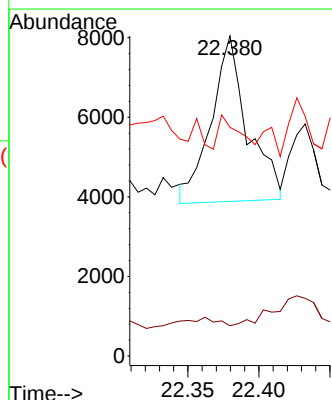
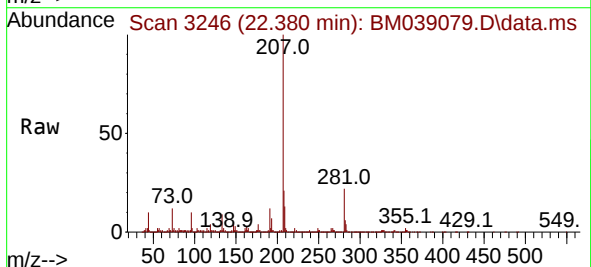
Instrument :
BNA_M
ClientSampleId :
IRV-1

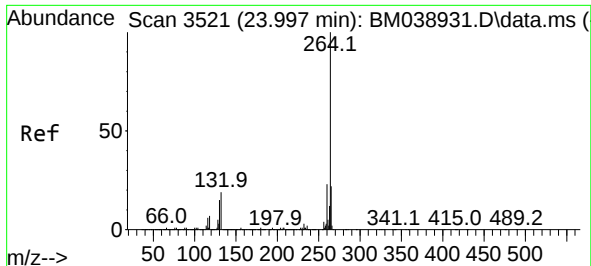
Tgt Ion:149 Resp: 229470
Ion Ratio Lower Upper
149 100
167 27.3 22.3 33.5
279 4.2 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 3.870 ng
RT: 22.380 min Scan# 3246
Delta R.T. 0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:149 Resp: 7374
Ion Ratio Lower Upper
149 100
167 7.9 1.2 1.8#
43 0.0 7.4 11.2#

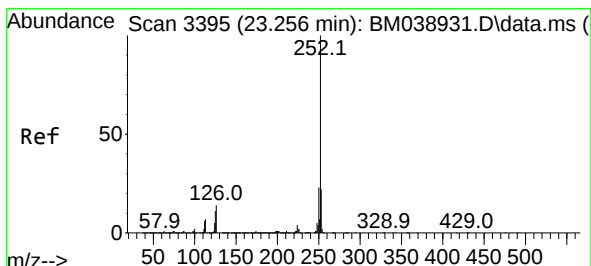
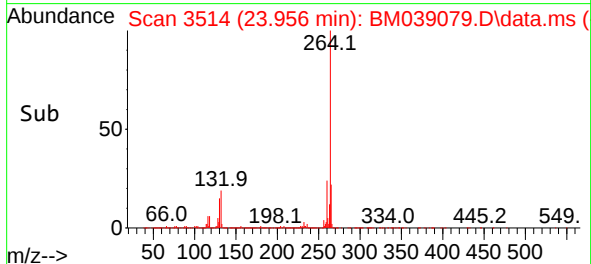
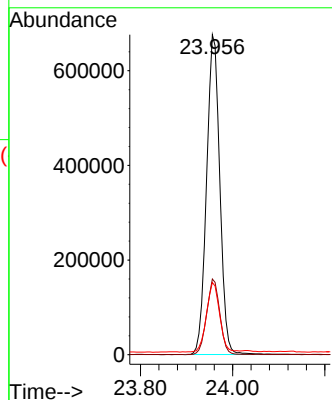
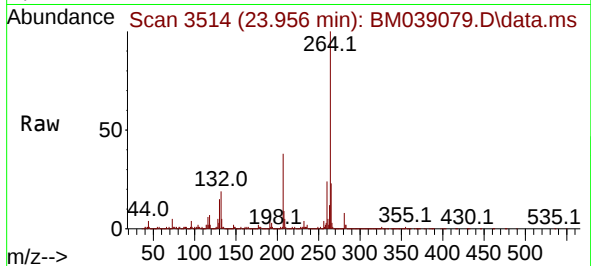




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.956 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

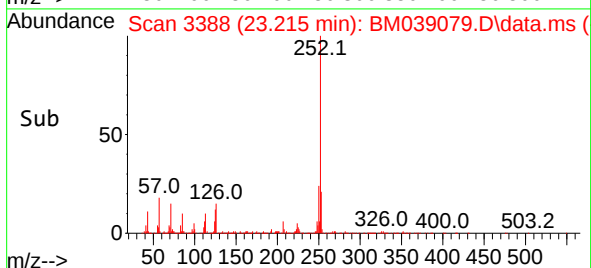
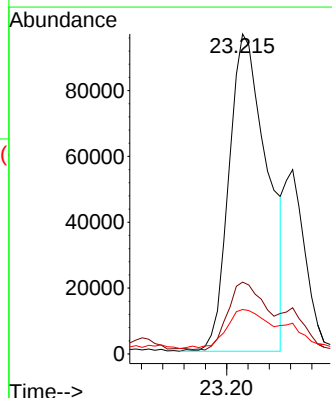
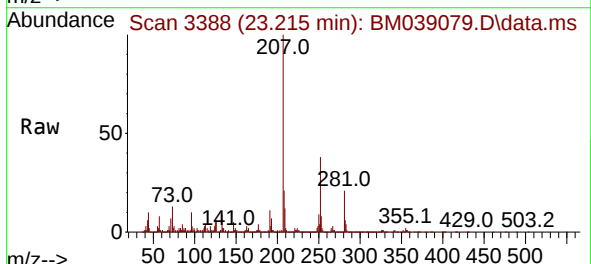
Instrument :
BNA_M
ClientSampleId :
IRV-1

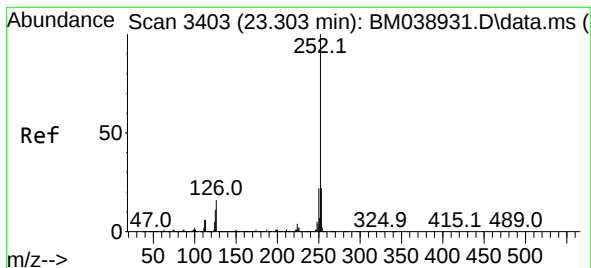
Tgt Ion:264 Resp: 1355226
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.5 17.9 26.9



#88
Benzo(b)fluoranthene
Concen: 2.773 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.006 min
Lab File: BM039079.D
Acq: 21 Mar 2023 21:30

Tgt Ion:252 Resp: 240061
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 13.9 8.8 13.2#





#89

Benzo(k)fluoranthene

Concen: 2.664 ng

RT: 23.215 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM039079.D

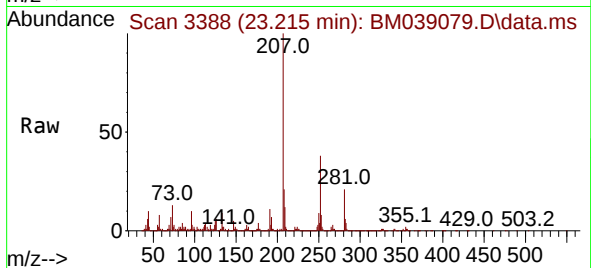
Acq: 21 Mar 2023 21:30

Instrument :

BNA_M

ClientSampleId :

IRV-1



Tgt Ion:252 Resp: 240061

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 13.9 8.9 13.3#

