

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039075.D
 Acq On : 21 Mar 2023 18:58
 Operator : CG/JU
 Sample : 02001-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3

Quant Time: Mar 22 03:42:58 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

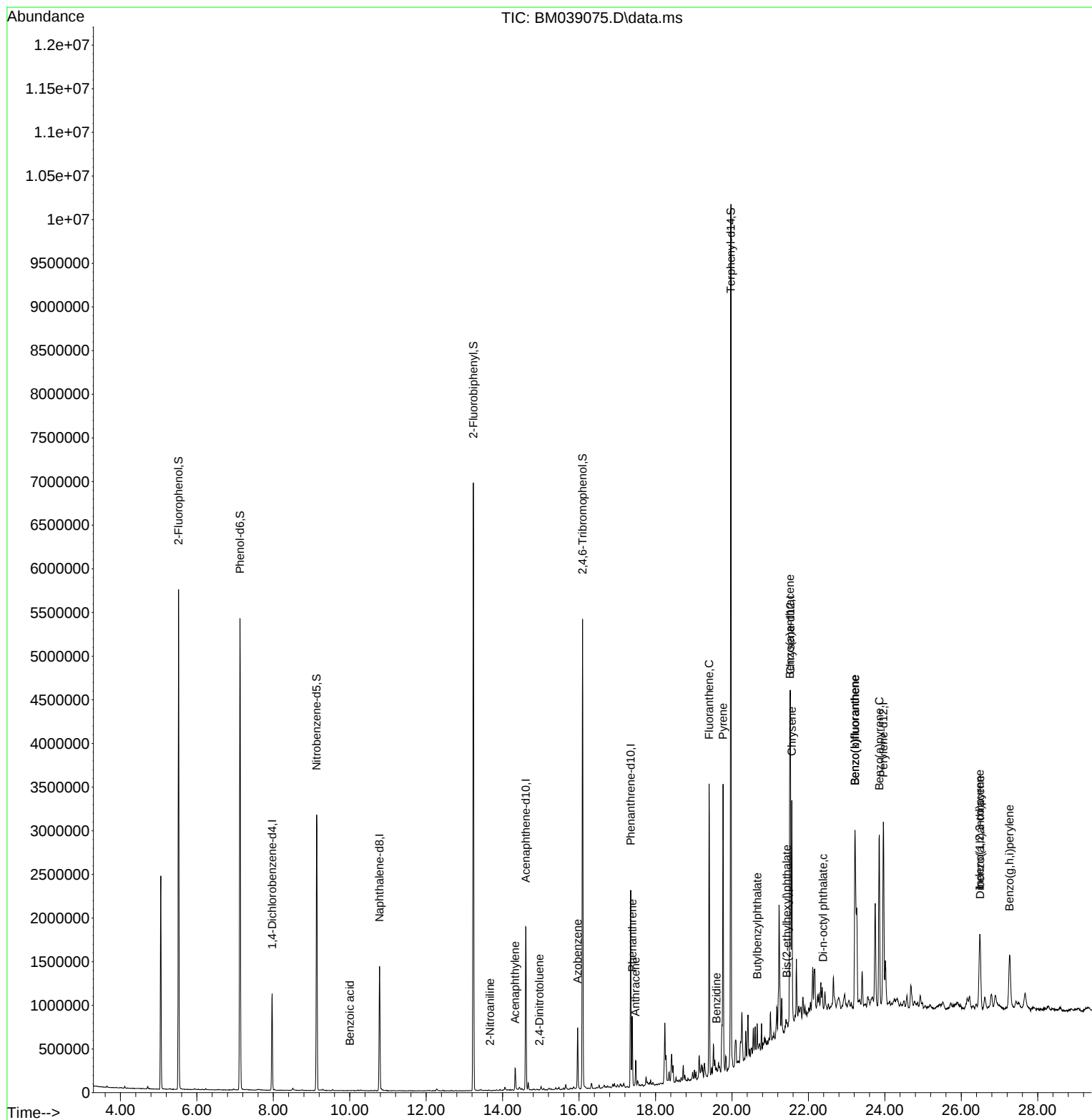
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	288459	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1146319	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	638357	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1259965	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1305160	20.000	ng	0.00
86) Perylene-d12	23.962	264	1557007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2367167	124.677	ng	0.00
7) Phenol-d6	7.128	99	3074362	124.662	ng	0.00
23) Nitrobenzene-d5	9.133	82	1817833	77.896	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	860486	116.522	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	3435002	70.050	ng	0.00
79) Terphenyl-d14	19.974	244	4648949	65.125	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.004	122	950	5.794	ng	# 79
48) 2-Nitroaniline	13.674	65	404	2.245	ng	# 6
49) Acenaphthylene	14.327	152	205228	3.159	ng	98
57) 2,4-Dinitrotoluene	14.962	165	605	2.112	ng	# 34
63) Azobenzene	15.962	77	188426	3.726	ng	# 1
71) Phenanthrene	17.392	178	446762	6.042	ng	100
72) Anthracene	17.480	178	183245	2.485	ng	99
75) Fluoranthene	19.403	202	1798827	23.039	ng	99
77) Benzidine	19.597	184	596	4.894	ng	# 1
78) Pyrene	19.768	202	1863805	19.013	ng	100
80) Butylbenzylphthalate	20.662	149	1566	3.351	ng	# 32
81) Benzo(a)anthracene	21.515	228	1447968	15.405	ng	97
83) Chrysene	21.568	228	1300420	14.226	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	11553	2.667	ng	100
85) Di-n-octyl phthalate	22.386	149	1243	3.808	ng	# 75
87) Indeno(1,2,3-cd)pyrene	26.485	276	863325	7.287	ng	96
88) Benzo(b)fluoranthene	23.221	252	1807101	18.167	ng	98
89) Benzo(k)fluoranthene	23.221	252	1807101	17.456	ng	98
90) Benzo(a)pyrene	23.856	252	1395170	14.573	ng	99
91) Dibenzo(a,h)anthracene	26.497	278	229746	2.290	ng	# 80
92) Benzo(g,h,i)perylene	27.262	276	793252	8.081	ng	97

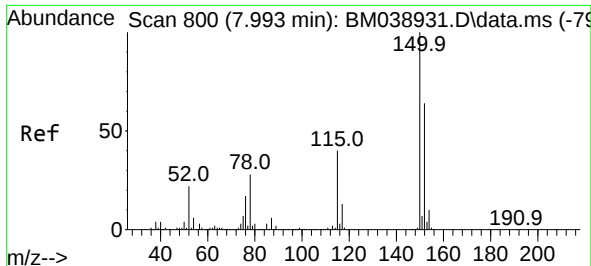
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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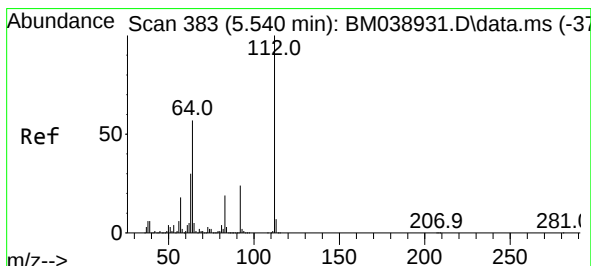
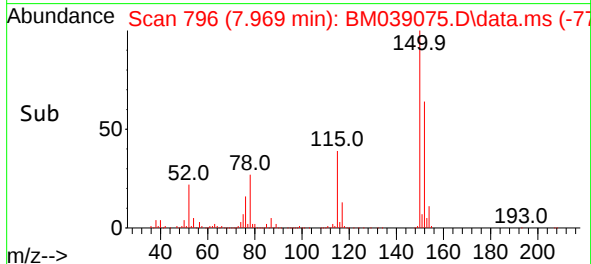
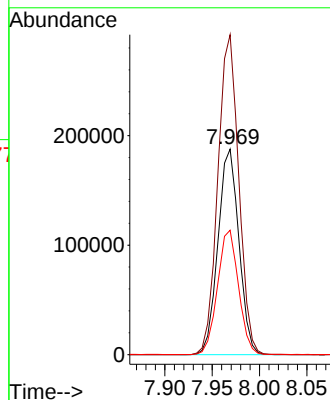
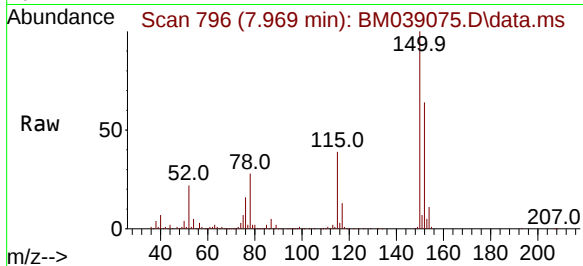




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

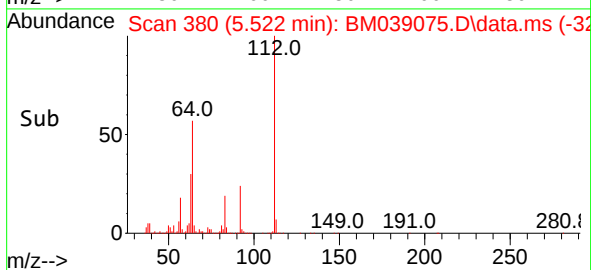
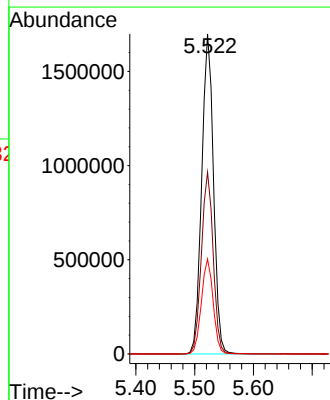
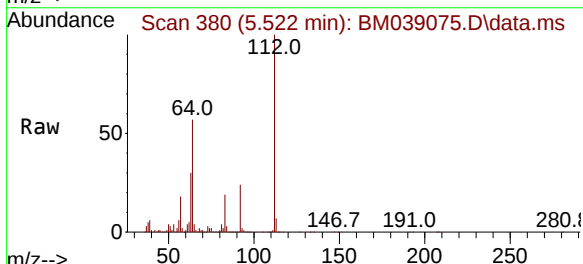
Instrument :
BNA_M
ClientSampleId :
IRV-3

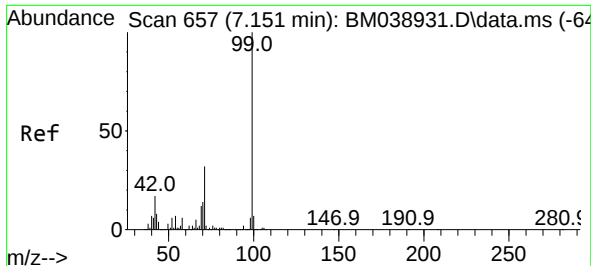
Tgt Ion:152 Resp: 288459
Ion Ratio Lower Upper
152 100
150 155.6 125.1 187.7
115 60.6 49.6 74.4



#5
2-Fluorophenol
Concen: 124.677 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:112 Resp: 2367167
Ion Ratio Lower Upper
112 100
64 56.8 45.9 68.9
63 29.6 23.8 35.8



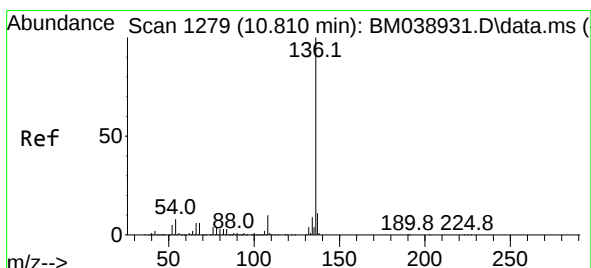
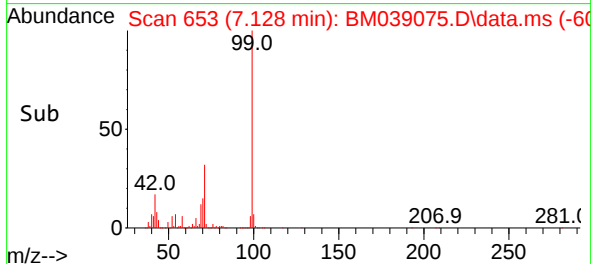
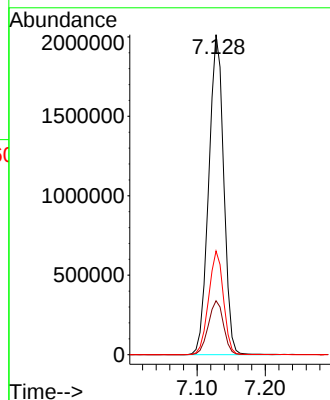
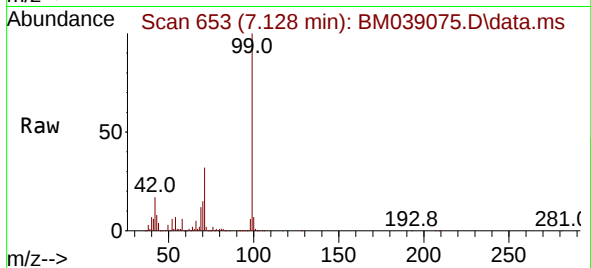


#7
Phenol-d6
Concen: 124.662 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Instrument :
BNA_M
ClientSampleId :
IRV-3

Tgt Ion: 99 Resp: 3074362

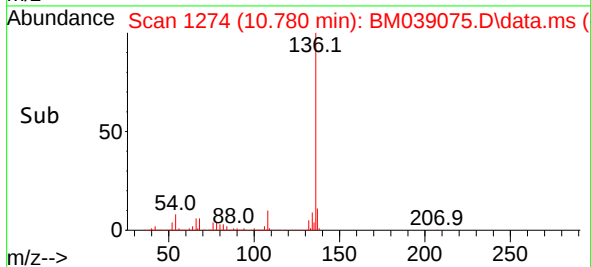
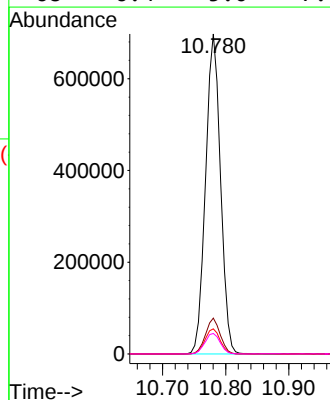
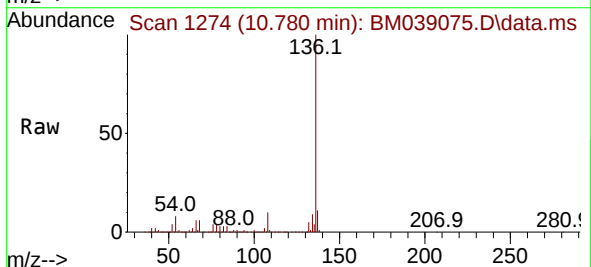
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.5	20.3
71	32.4	25.6	38.4

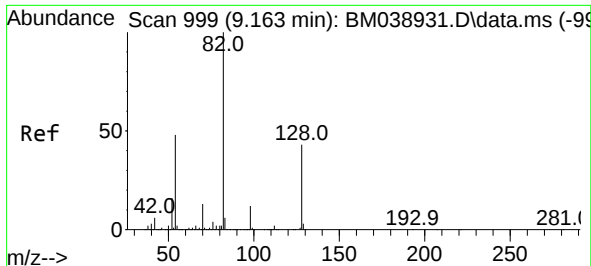


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion: 136 Resp: 1146319

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.8	6.3	9.5
68	6.4	5.0	7.6

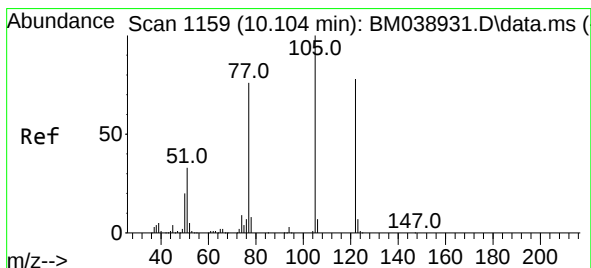
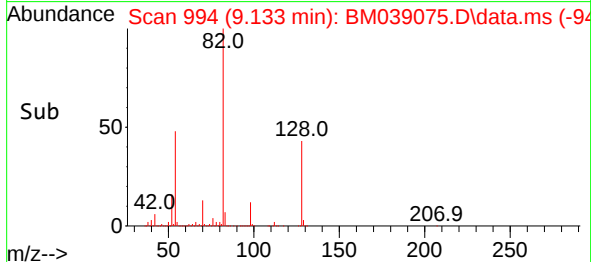
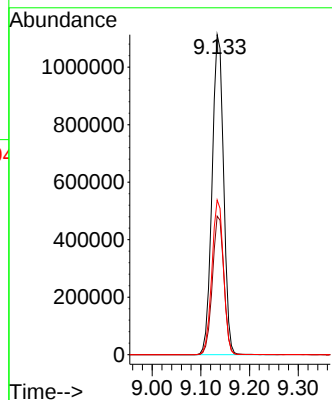
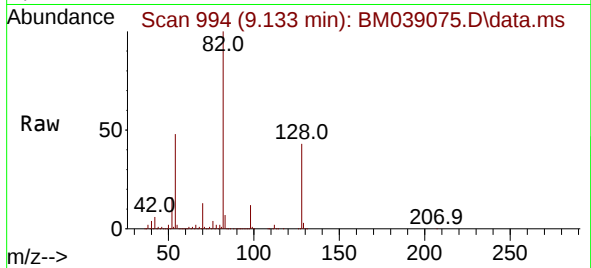




#23
Nitrobenzene-d5
Concen: 77.896 ng
RT: 9.133 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

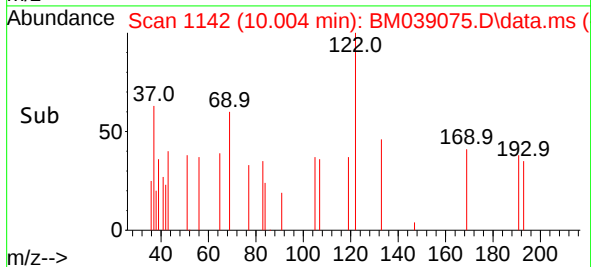
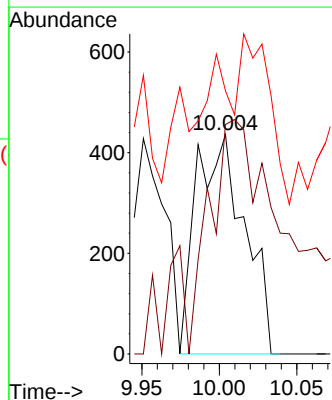
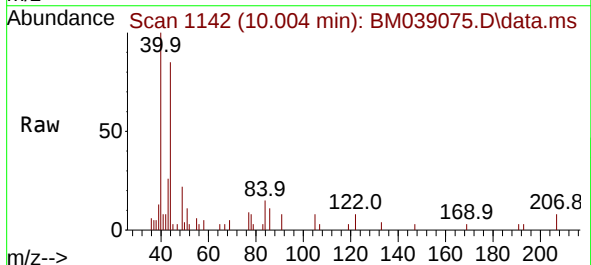
Instrument :
BNA_M
ClientSampleId :
IRV-3

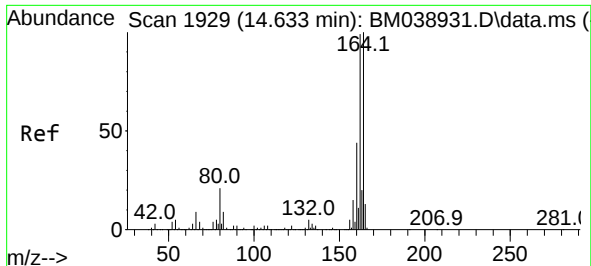
Tgt Ion: 82 Resp: 1817833
Ion Ratio Lower Upper
82 100
128 43.3 34.4 51.6
54 48.3 38.8 58.2



#32
Benzoic acid
Concen: 5.794 ng
RT: 10.004 min Scan# 1142
Delta R.T. -0.082 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion: 122 Resp: 950
Ion Ratio Lower Upper
122 100
105 104.6 104.2 144.2
77 120.0 75.1 115.1#

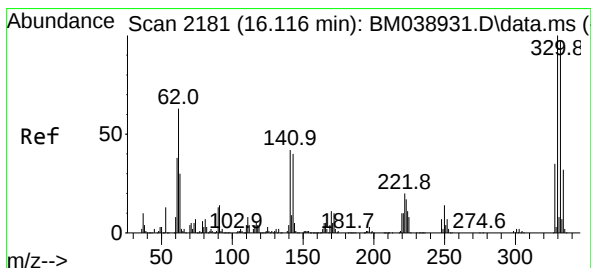
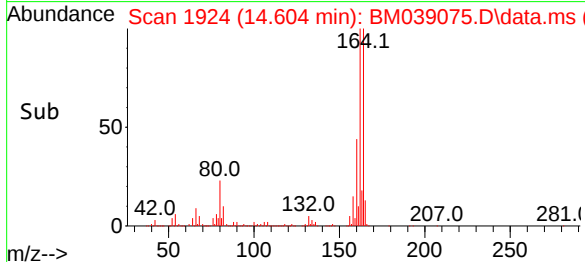
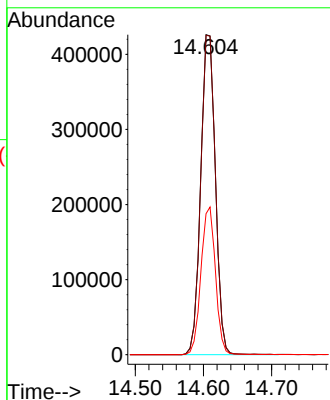
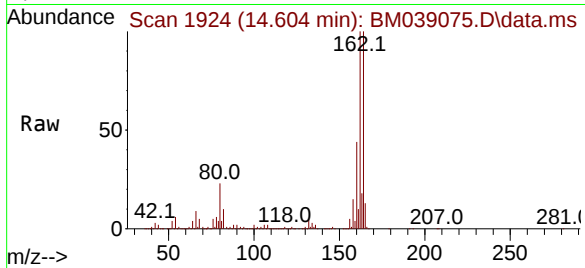




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

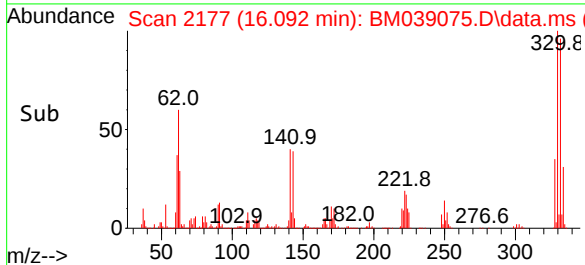
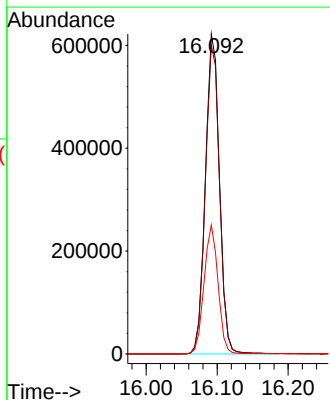
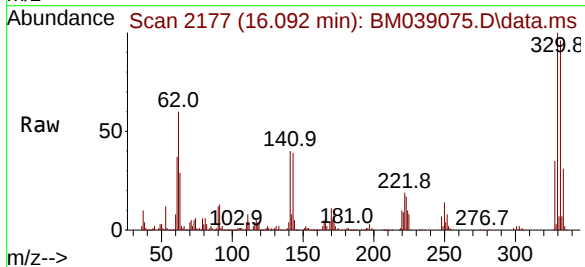
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ClientSampleId :
IRV-3

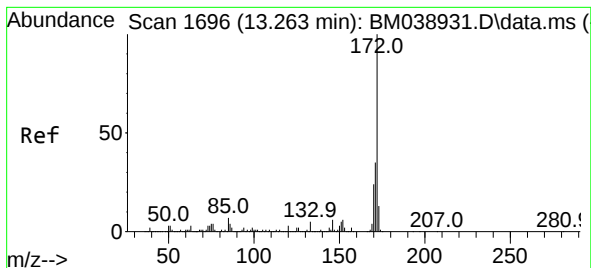
Tgt Ion:164 Resp: 638357
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.1 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 116.522 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:330 Resp: 860486
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 40.0 32.2 48.4

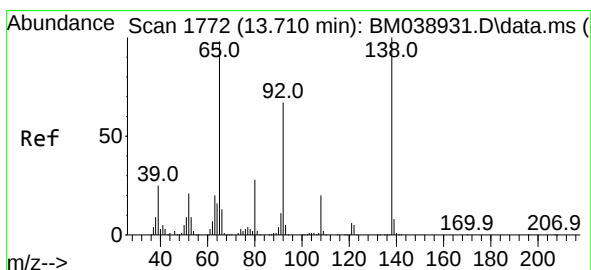
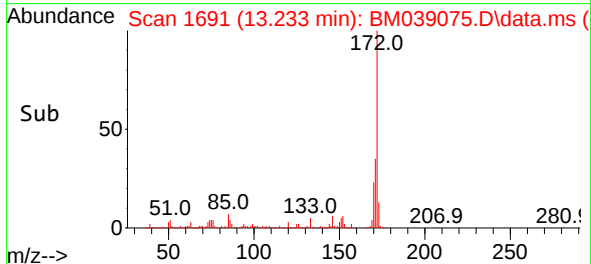
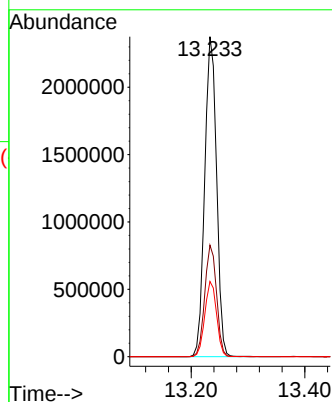
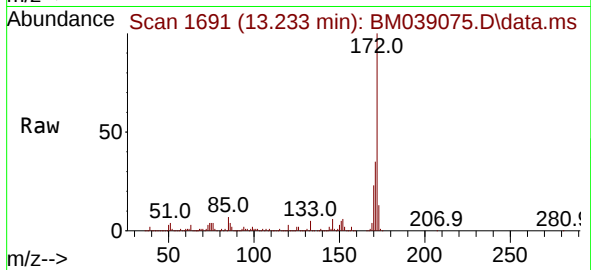




#45
2-Fluorobiphenyl
Concen: 70.050 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

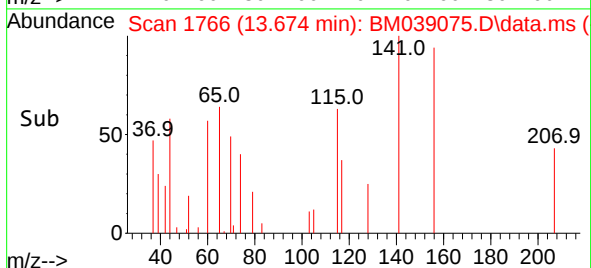
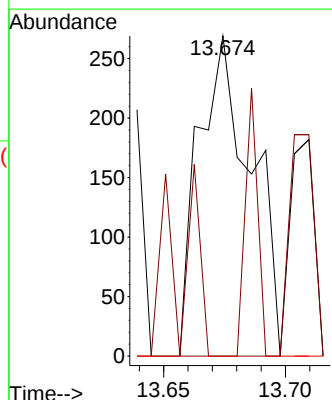
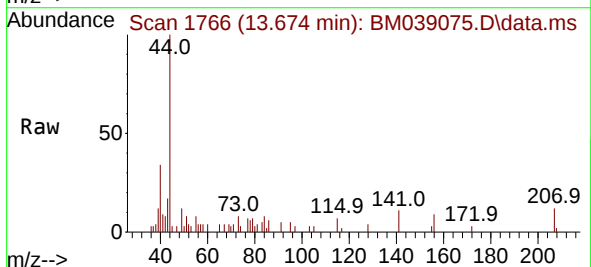
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ClientSampleId :
IRV-3

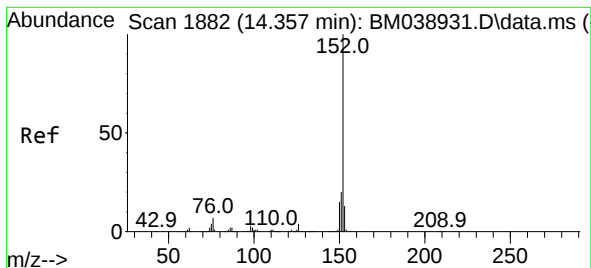
Tgt Ion:172 Resp: 3435002
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.5 19.1 28.7



#48
2-Nitroaniline
Concen: 2.245 ng
RT: 13.674 min Scan# 1766
Delta R.T. -0.018 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion: 65 Resp: 404
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#





#49

Acenaphthylene

Concen: 3.159 ng

RT: 14.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

Instrument :

BNA_M

ClientSampleId :

IRV-3

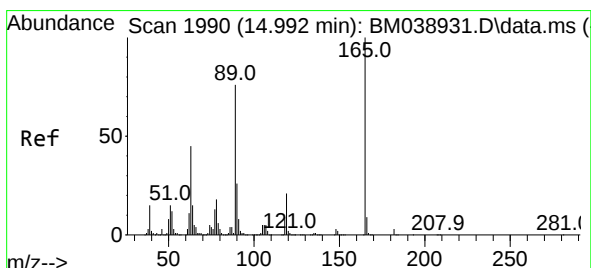
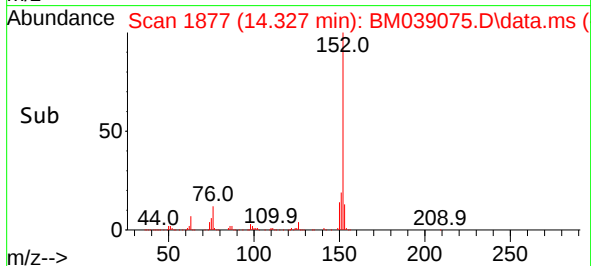
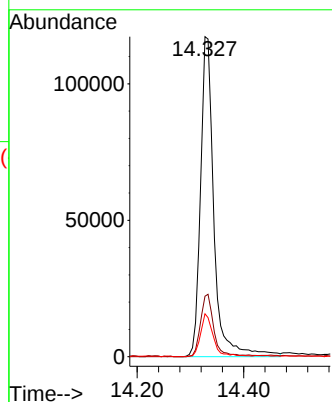
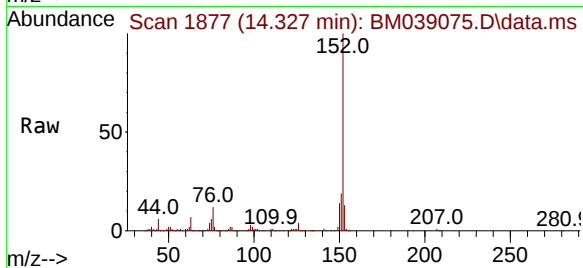
Tgt Ion:152 Resp: 205228

Ion Ratio Lower Upper

152 100

151 18.9 15.8 23.8

153 13.4 10.4 15.6



#57

2,4-Dinitrotoluene

Concen: 2.112 ng

RT: 14.962 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

Tgt Ion:165 Resp: 605

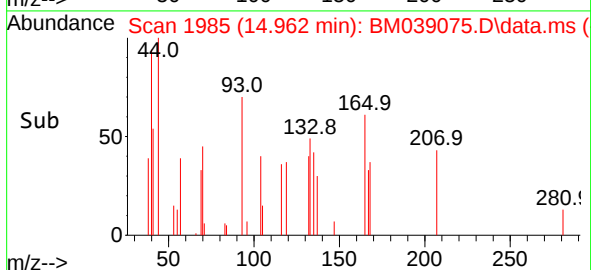
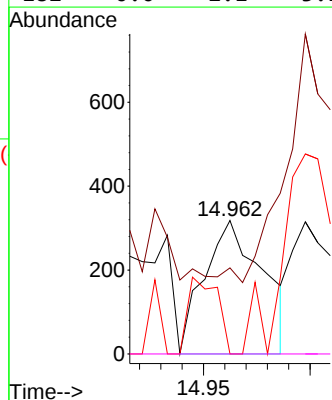
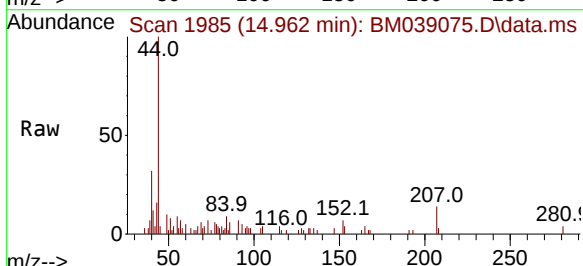
Ion Ratio Lower Upper

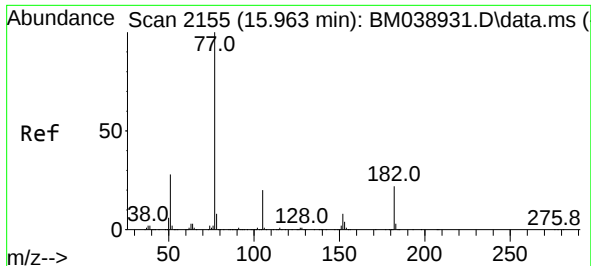
165 100

63 64.5 35.9 53.9#

89 0.0 61.0 91.6#

182 0.0 2.1 3.1#

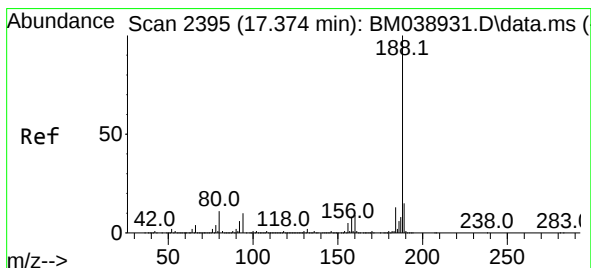
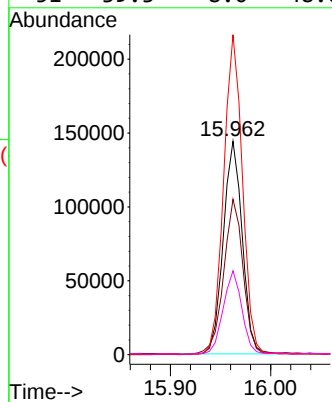
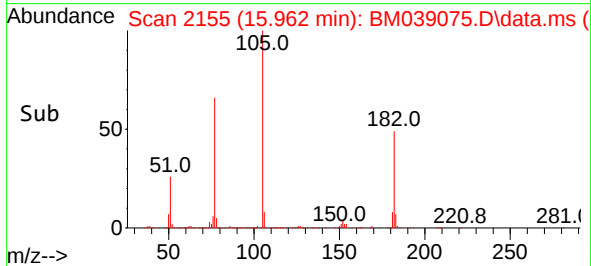
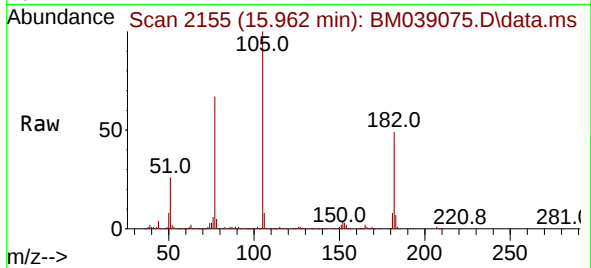




#63
Azobenzene
Concen: 3.726 ng
RT: 15.962 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

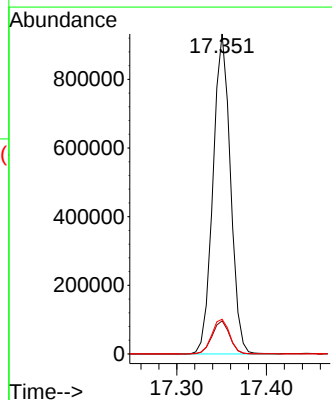
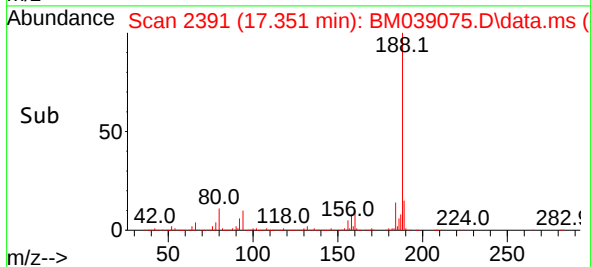
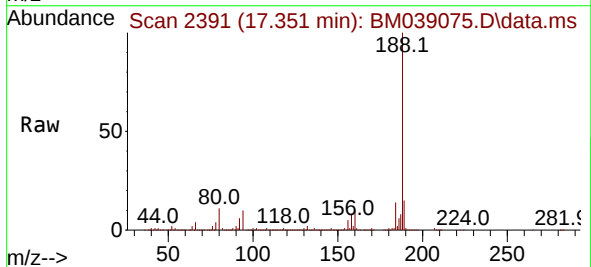
Instrument :
BNA_M
ClientSampleId :
IRV-3

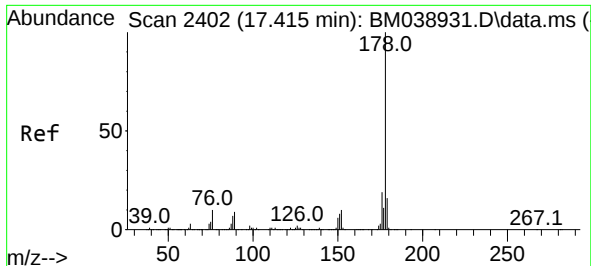
Tgt Ion: 77 Resp: 188426
Ion Ratio Lower Upper
77 100
182 72.7 2.0 42.0#
105 149.9 0.4 40.4#
51 39.3 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:188 Resp: 1259965
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 10.9 8.5 12.7

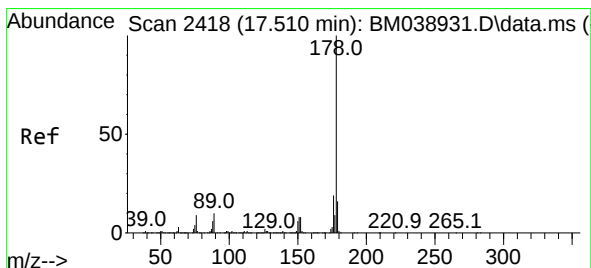
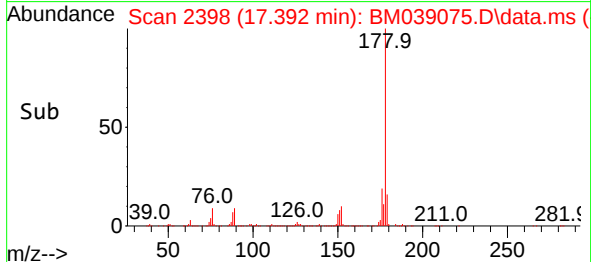
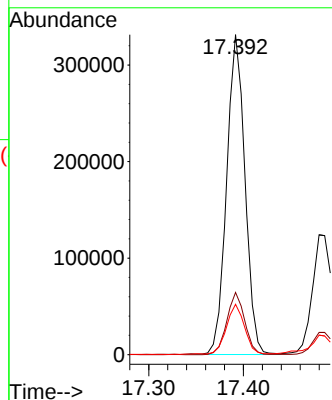
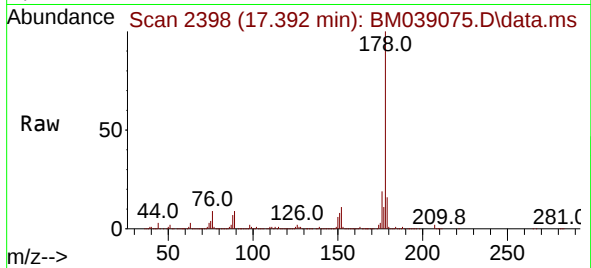




#71
Phenanthrene
Concen: 6.042 ng
RT: 17.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

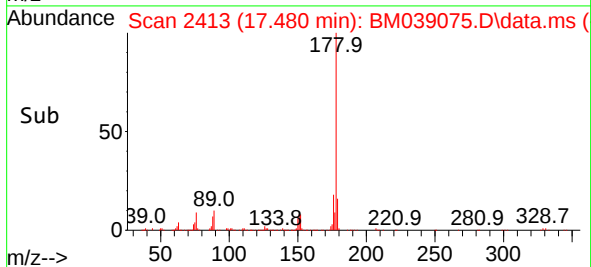
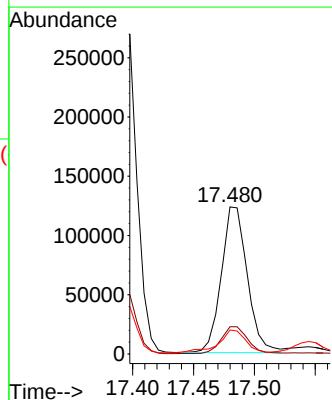
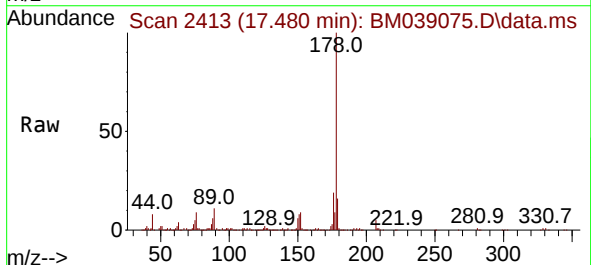
Instrument :
BNA_M
ClientSampleId :
IRV-3

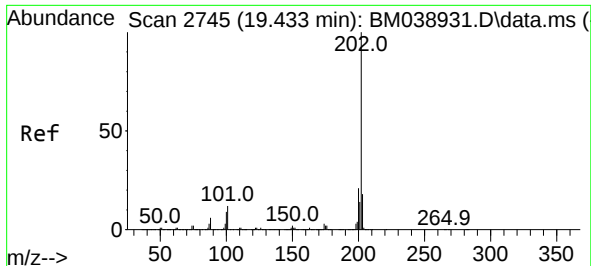
Tgt Ion:178 Resp: 446762
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.7 12.5 18.7



#72
Anthracene
Concen: 2.485 ng
RT: 17.480 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:178 Resp: 183245
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 16.3 12.5 18.7

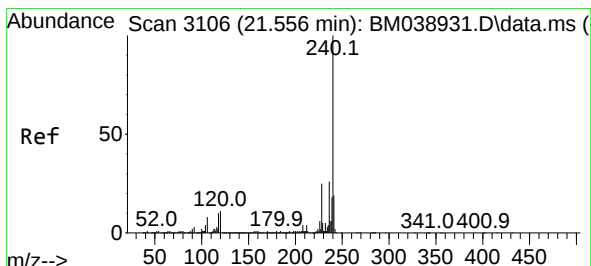
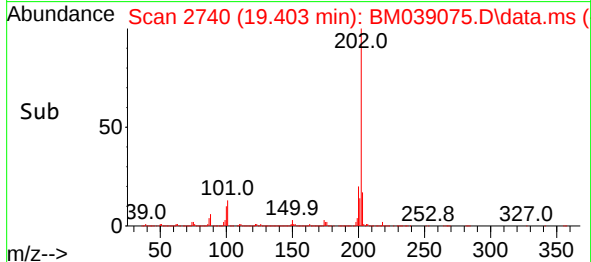
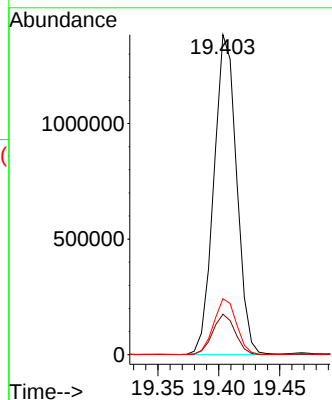
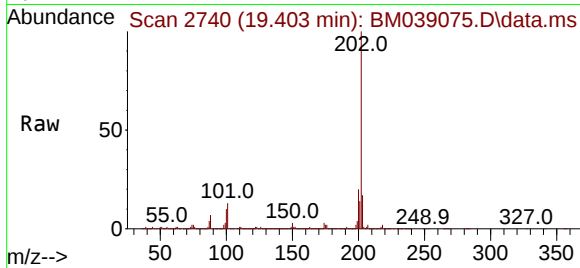




#75
Fluoranthene
Concen: 23.039 ng
RT: 19.403 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

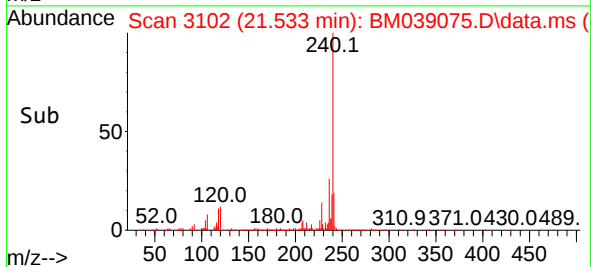
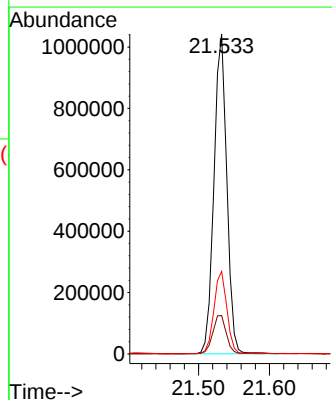
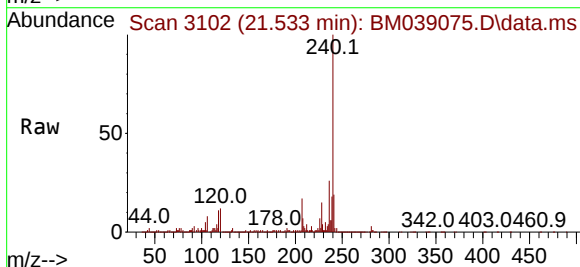
Instrument :
BNA_M
ClientSampleId :
IRV-3

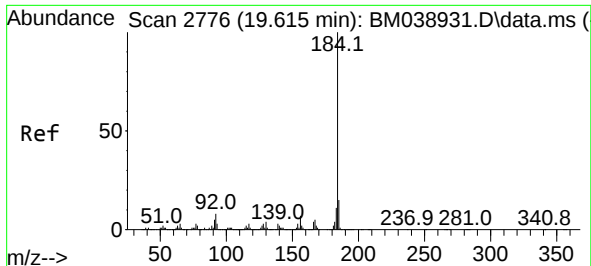
Tgt Ion:202 Resp: 1798827
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:240 Resp: 1305160
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.8 20.8 31.2

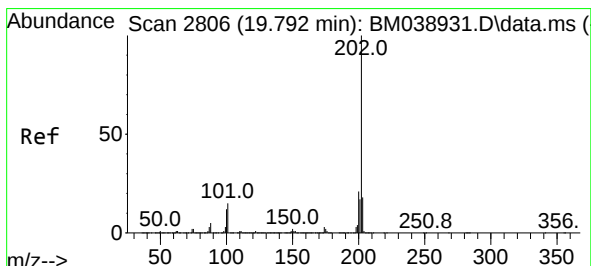
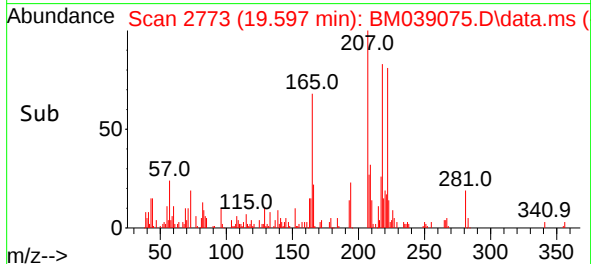
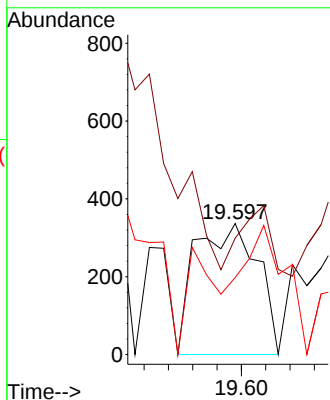
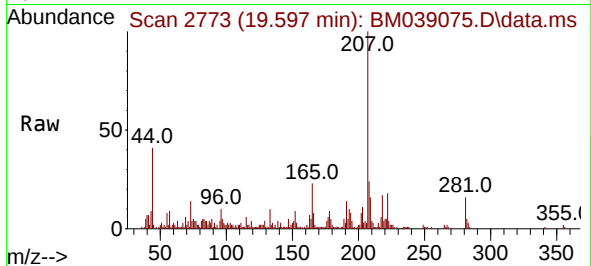




#77
Benzidine
Concen: 4.894 ng
RT: 19.597 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

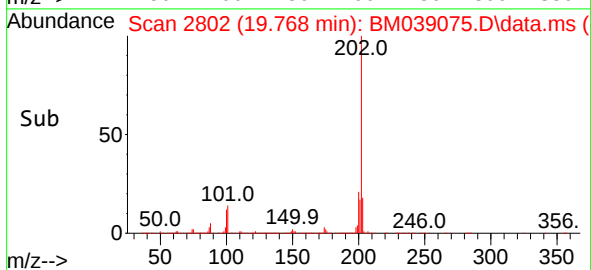
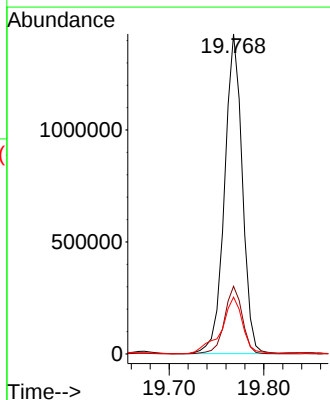
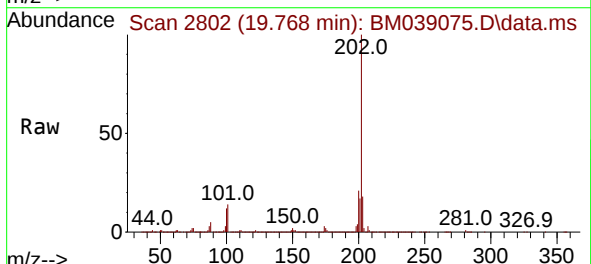
Instrument :
BNA_M
ClientSampleId :
IRV-3

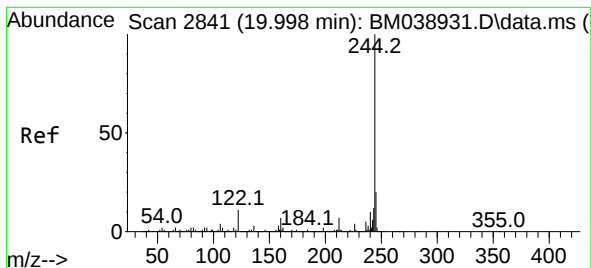
Tgt Ion:184 Resp: 596
Ion Ratio Lower Upper
184 100
185 88.7 12.2 18.4#
183 58.8 8.8 13.2#



#78
Pyrene
Concen: 19.013 ng
RT: 19.768 min Scan# 2802
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:202 Resp: 1863805
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 65.125 ng

RT: 19.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

Instrument :

BNA_M

ClientSampleId :

IRV-3

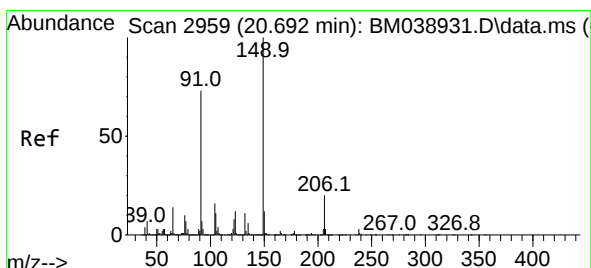
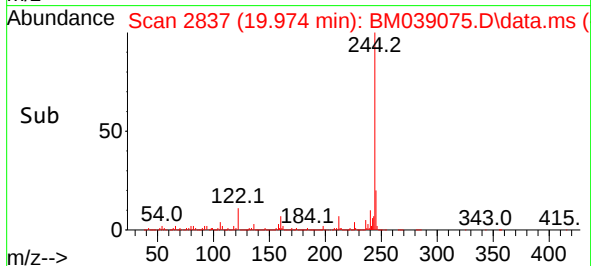
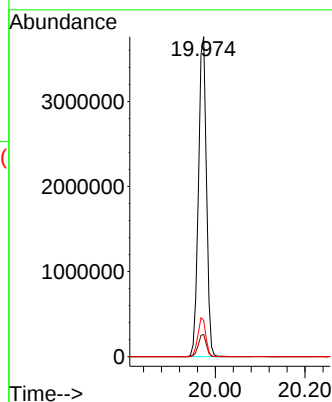
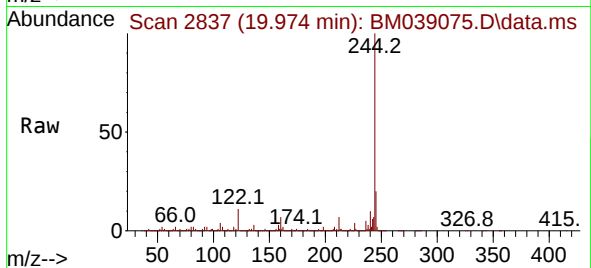
Tgt Ion:244 Resp: 4648949

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 11.3 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.351 ng

RT: 20.662 min Scan# 2954

Delta R.T. -0.000 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

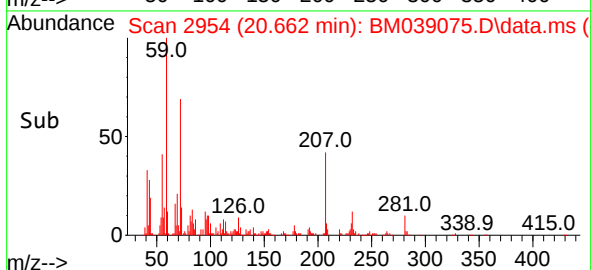
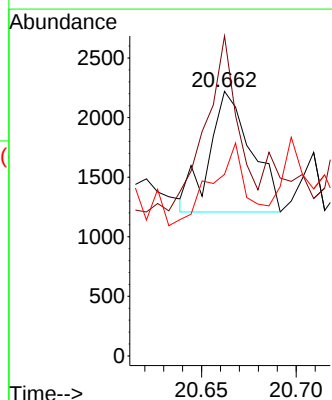
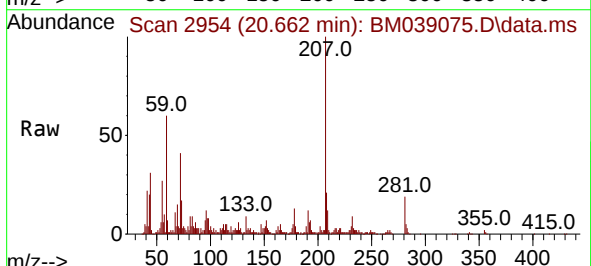
Tgt Ion:149 Resp: 1566

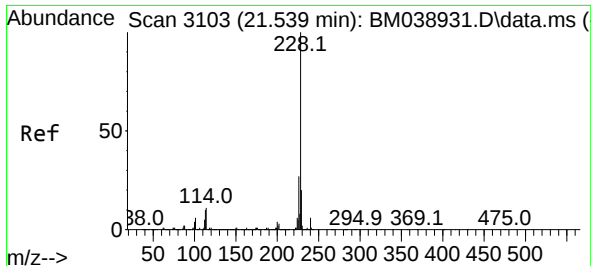
Ion Ratio Lower Upper

149 100

91 120.9 58.4 87.6#

206 68.6 16.1 24.1#

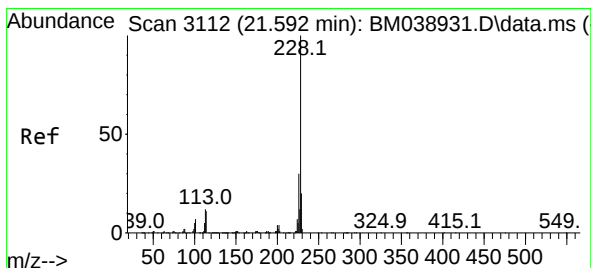
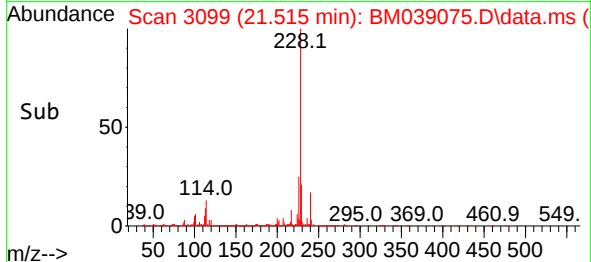
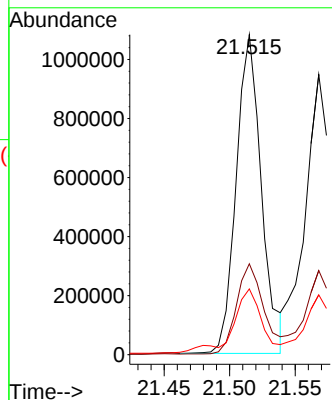
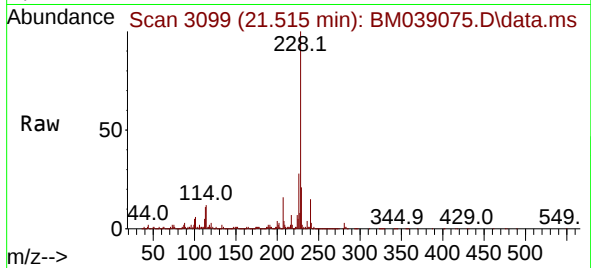




#81
Benzo(a)anthracene
Concen: 15.405 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

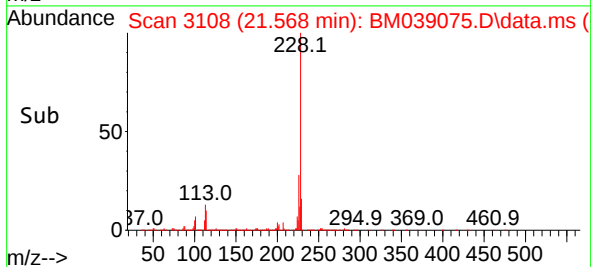
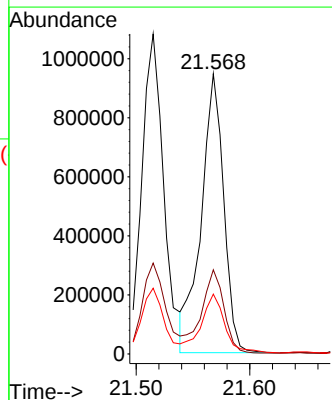
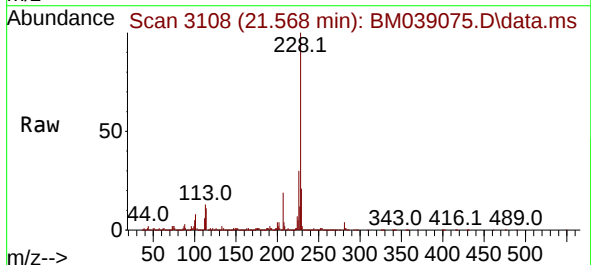
Instrument :
BNA_M
ClientSampleId :
IRV-3

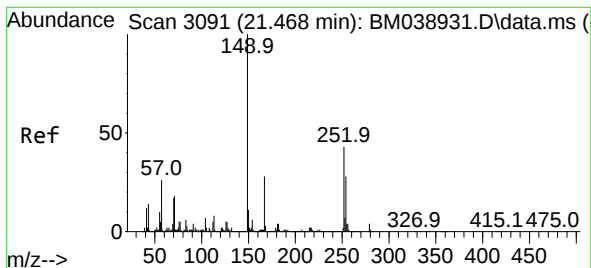
Tgt Ion:228 Resp: 1447968
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.2
229 20.5 15.7 23.5



#83
Chrysene
Concen: 14.226 ng
RT: 21.568 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:228 Resp: 1300420
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 21.4 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.667 ng

RT: 21.439 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

Instrument :

BNA_M

ClientSampleId :

IRV-3

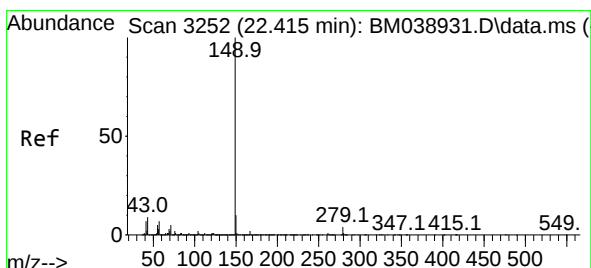
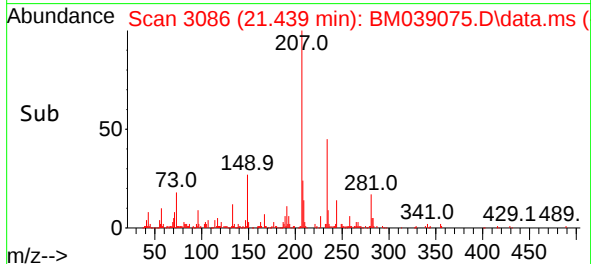
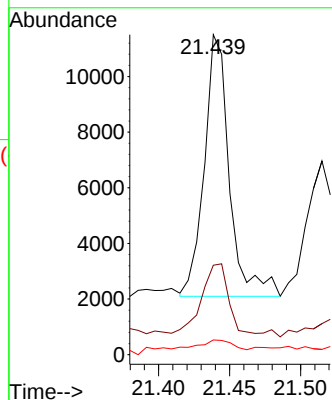
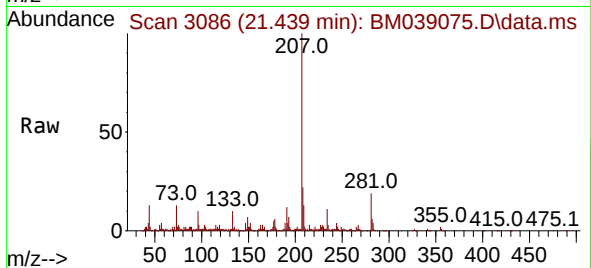
Tgt Ion:149 Resp: 11553

Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

279 4.6 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.808 ng

RT: 22.386 min Scan# 3247

Delta R.T. 0.012 min

Lab File: BM039075.D

Acq: 21 Mar 2023 18:58

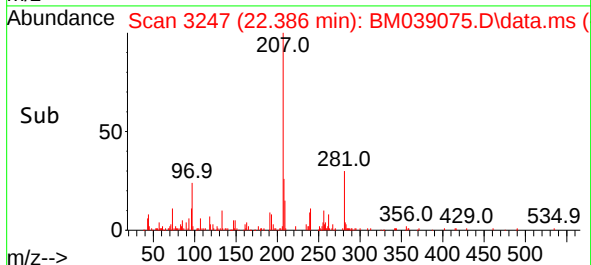
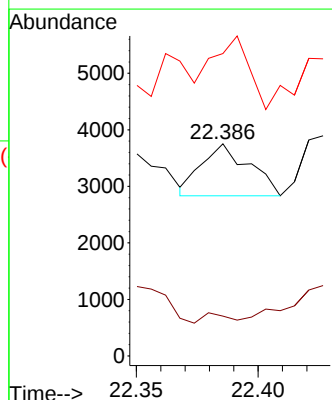
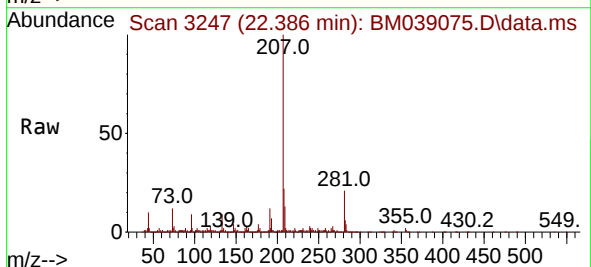
Tgt Ion:149 Resp: 1243

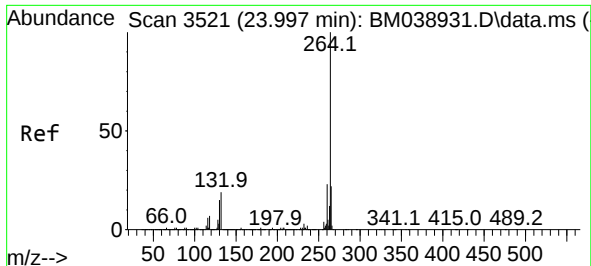
Ion Ratio Lower Upper

149 100

167 10.2 1.2 1.8#

43 0.0 7.4 11.2#



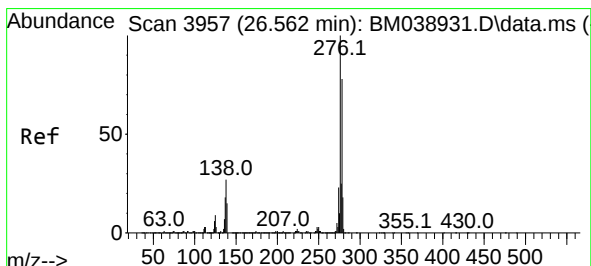
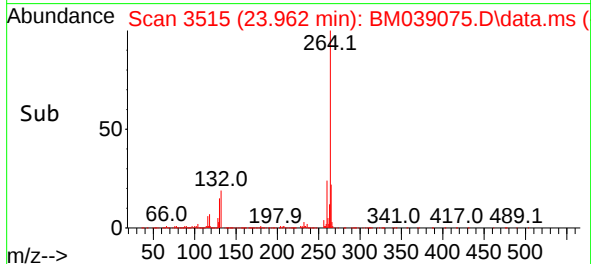
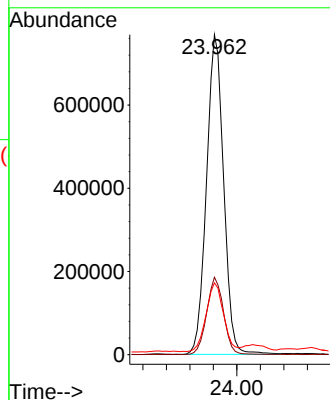
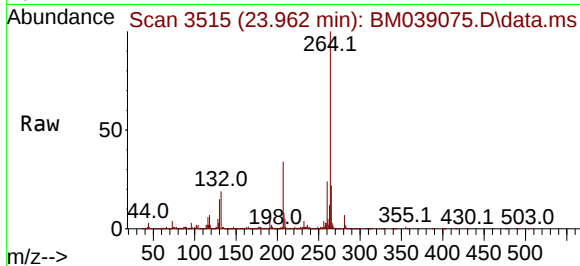


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Instrument :
BNA_M
ClientSampleId :
IRV-3

Tgt Ion:264 Resp: 1557007

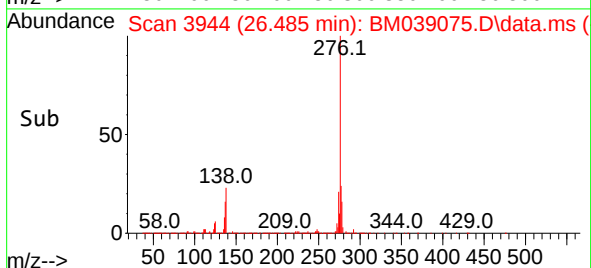
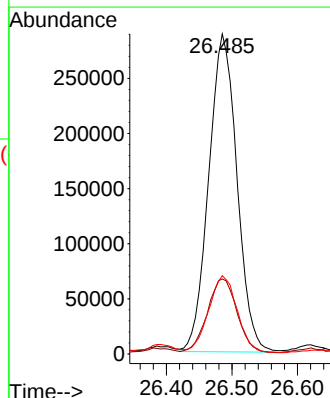
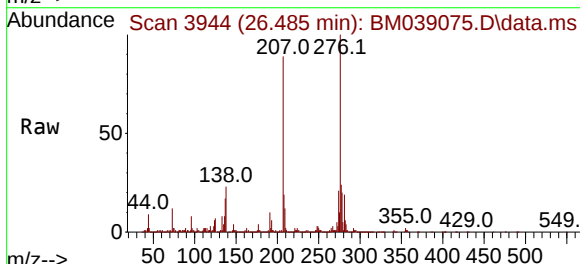
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.5	17.9	26.9

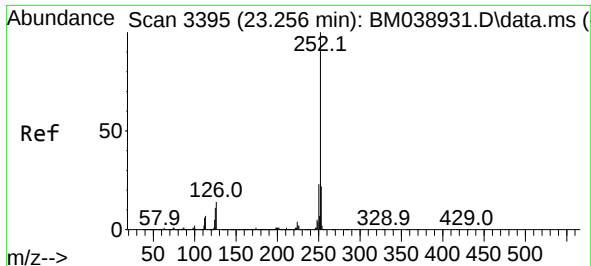


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.287 ng
RT: 26.485 min Scan# 3944
Delta R.T. -0.012 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:276 Resp: 863325

Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.1	33.1
277	24.5	20.1	30.1

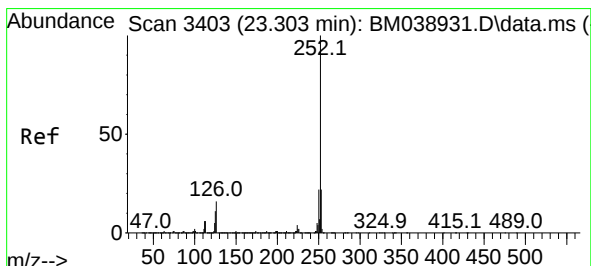
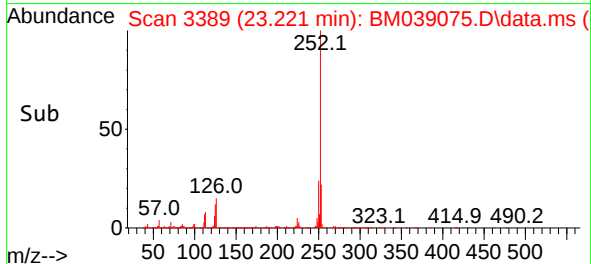
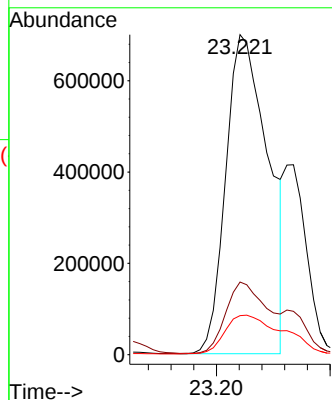
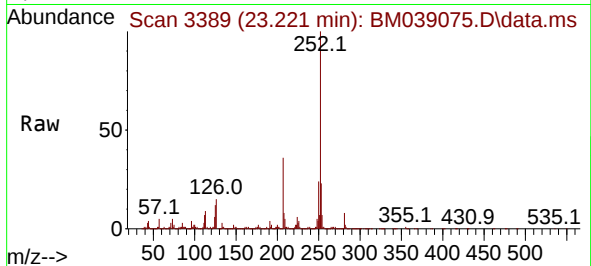




#88
Benzo(b)fluoranthene
Concen: 18.167 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

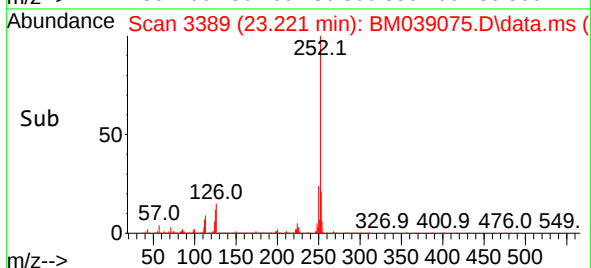
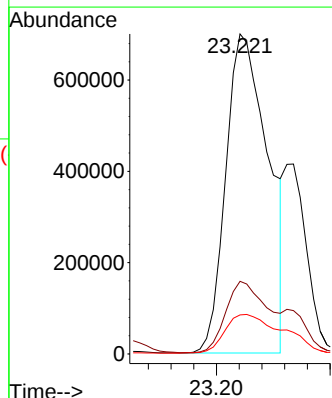
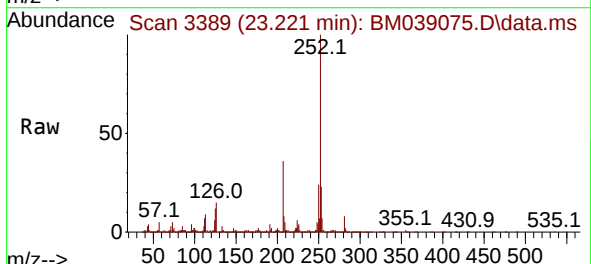
Instrument :
BNA_M
ClientSampleId :
IRV-3

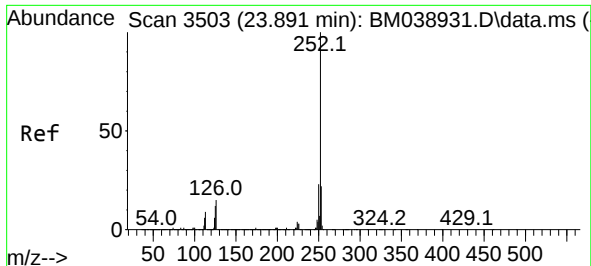
Tgt Ion:252 Resp: 1807101
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.2 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 17.456 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.047 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

Tgt Ion:252 Resp: 1807101
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 12.2 8.9 13.3

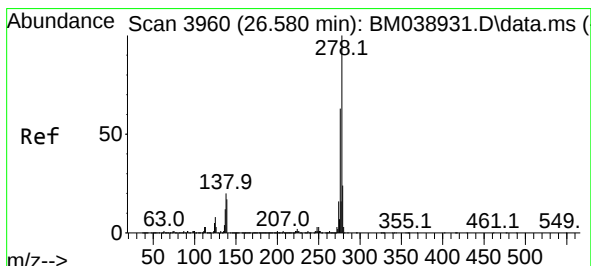
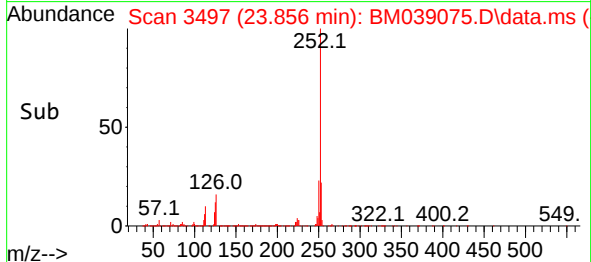
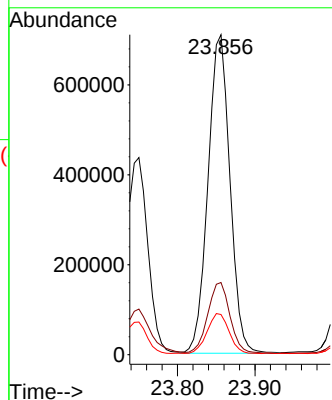
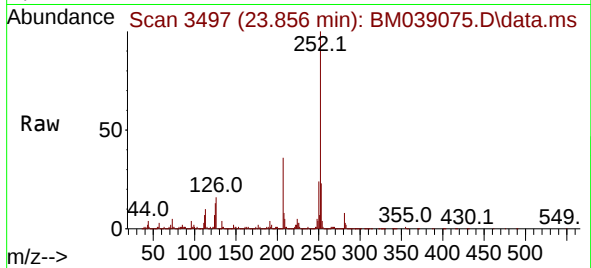




#90
Benzo(a)pyrene
Concen: 14.573 ng
RT: 23.856 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

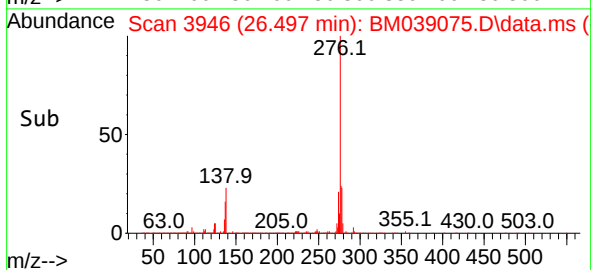
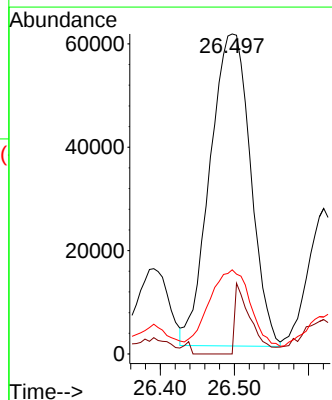
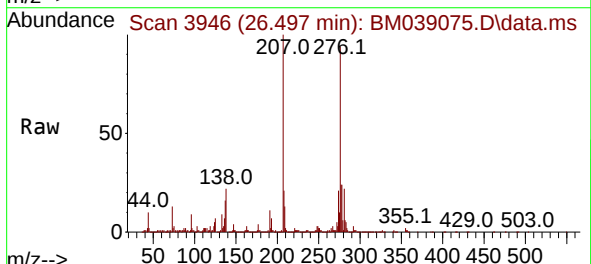
Instrument :
BNA_M
ClientSampleId :
IRV-3

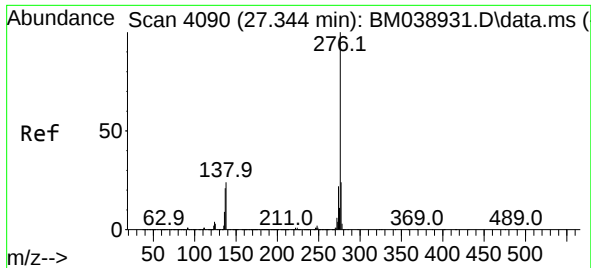
Tgt Ion:252 Resp: 1395170
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.5 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 2.290 ng
RT: 26.497 min Scan# 3946
Delta R.T. -0.012 min
Lab File: BM039075.D
Acq: 21 Mar 2023 18:58

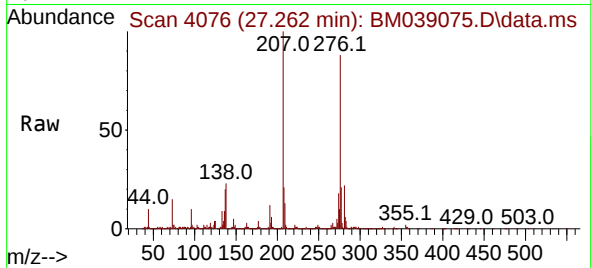
Tgt Ion:278 Resp: 229746
Ion Ratio Lower Upper
278 100
139 0.0 13.7 20.5#
279 26.3 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 8.081 ng
 RT: 27.262 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BM039075.D
 Acq: 21 Mar 2023 18:58

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3



Tgt Ion:	276	Resp:	793252
Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.3	28.9
138	26.3	19.0	28.6

