

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039078.D
 Acq On : 21 Mar 2023 20:52
 Operator : CG/JU
 Sample : 02001-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-2

Quant Time: Mar 22 03:44:46 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)

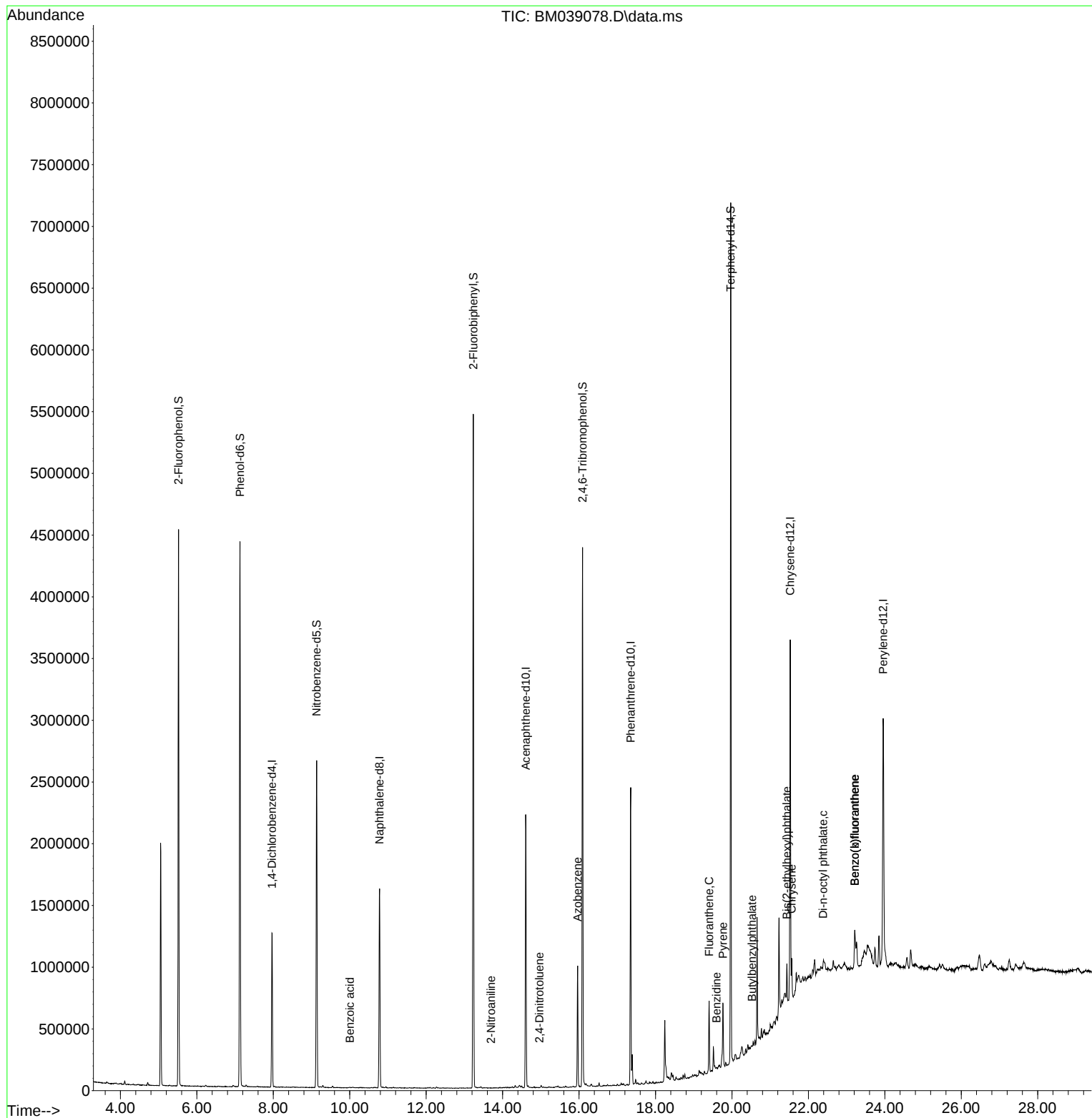
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	333023	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1342775	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	733679	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1399232	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1232821	20.000	ng	0.00
86) Perylene-d12	23.956	264	1389045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1929928	88.046	ng	0.00
7) Phenol-d6	7.128	99	2513826	88.293	ng	0.00
23) Nitrobenzene-d5	9.134	82	1503908	55.016	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	721113	84.962	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2679957	47.552	ng	0.00
79) Terphenyl-d14	19.968	244	3078990	45.663	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.004	122	2334	5.861	ng	92
48) 2-Nitroaniline	13.698	65	121	2.223	ng	# 6
57) 2,4-Dinitrotoluene	14.963	165	130	2.079	ng	# 68
63) Azobenzene	15.962	77	270955	4.662	ng	# 1
75) Fluoranthene	19.403	202	301757	3.480	ng	99
77) Benzidine	19.598	184	914	4.906	ng	# 47
78) Pyrene	19.762	202	309251	3.340	ng	99
80) Butylbenzylphthalate	20.527	149	1022	3.340	ng	95
83) Chrysene	21.562	228	190950	2.211	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	102327	4.189	ng	99
85) Di-n-octyl phthalate	22.386	149	7706	3.872	ng	# 1
88) Benzo(b)fluoranthene	23.215	252	232234	2.617	ng	# 95
89) Benzo(k)fluoranthene	23.215	252	232234	2.515	ng	# 95

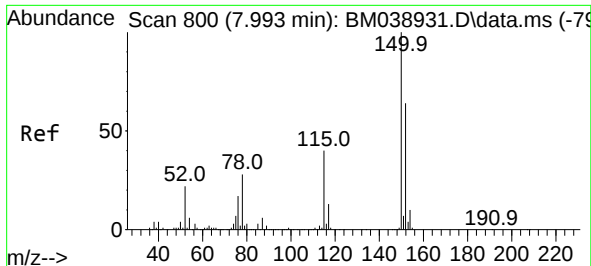
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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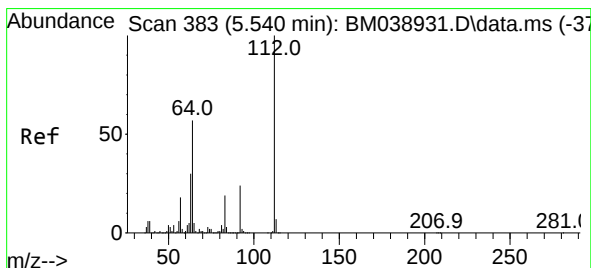
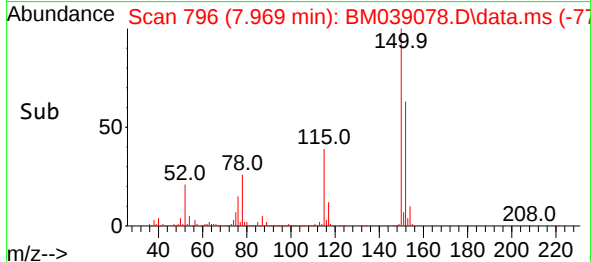
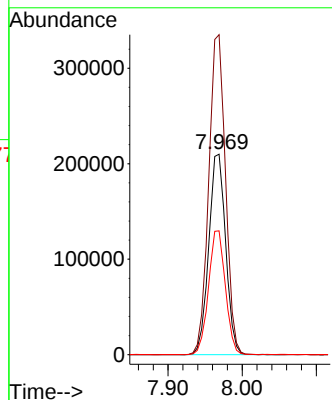
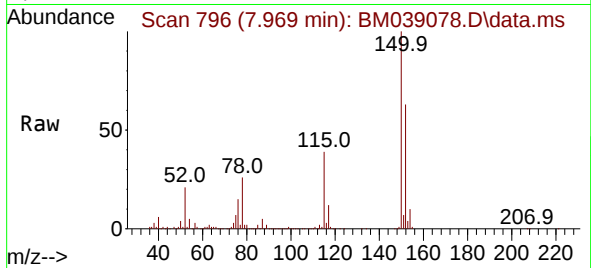




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

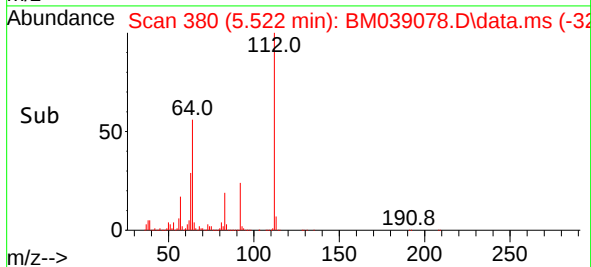
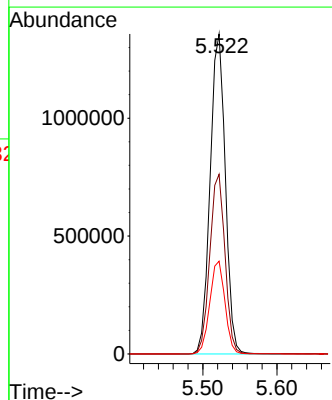
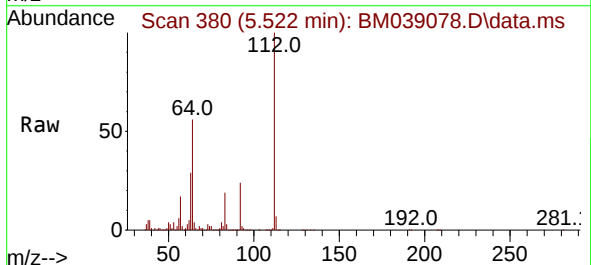
Instrument :
BNA_M
ClientSampleId :
IRV-2

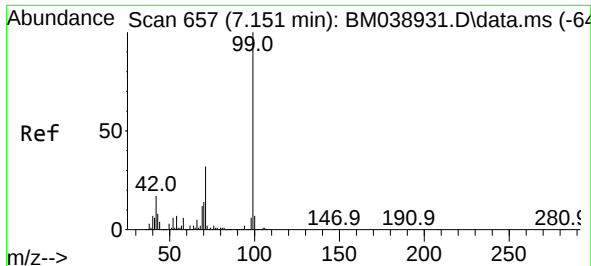
Tgt Ion:152 Resp: 333023
Ion Ratio Lower Upper
152 100
150 159.7 125.1 187.7
115 61.8 49.6 74.4



#5
2-Fluorophenol
Concen: 88.046 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion:112 Resp: 1929928
Ion Ratio Lower Upper
112 100
64 56.1 45.9 68.9
63 29.0 23.8 35.8



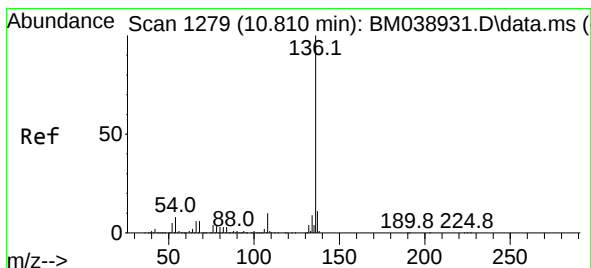
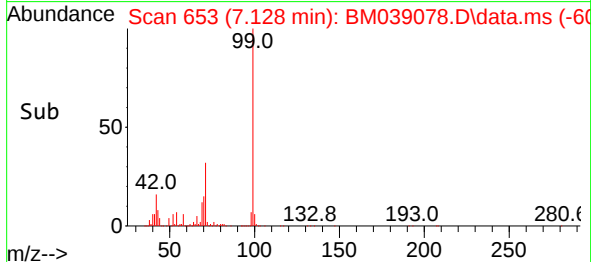
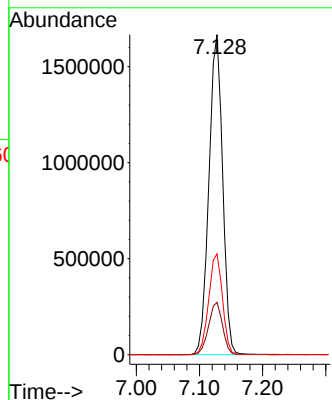
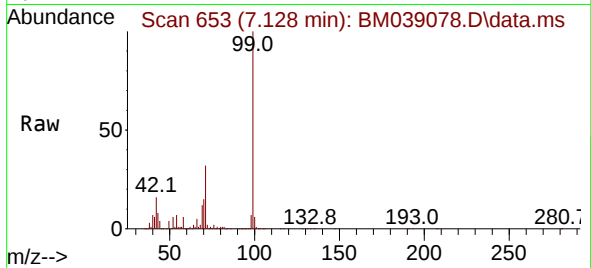


#7
Phenol-d6
Concen: 88.293 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Instrument :
BNA_M
ClientSampleId :
IRV-2

Tgt Ion: 99 Resp: 2513826

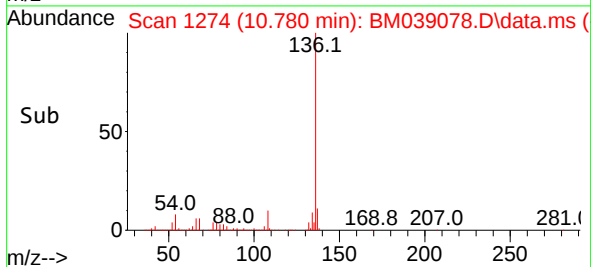
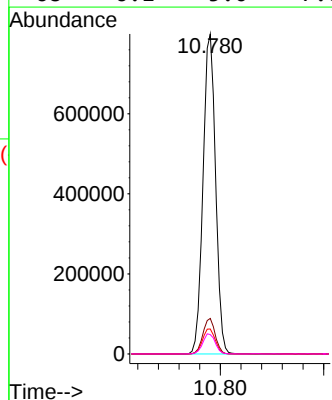
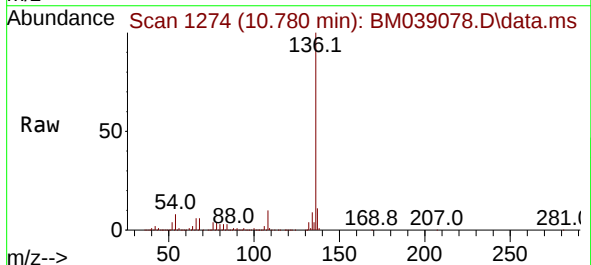
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	31.5	25.6	38.4

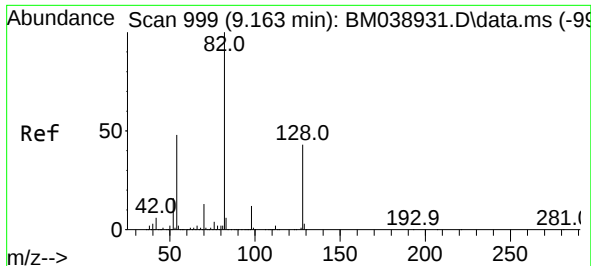


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion: 136 Resp: 1342775

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.8	6.3	9.5
68	6.1	5.0	7.6

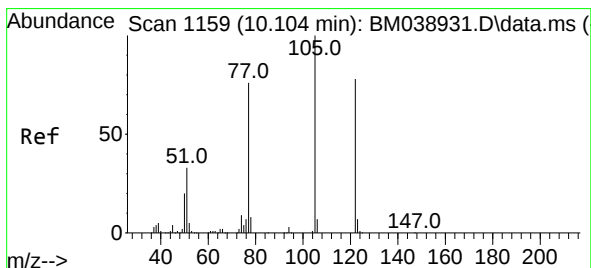
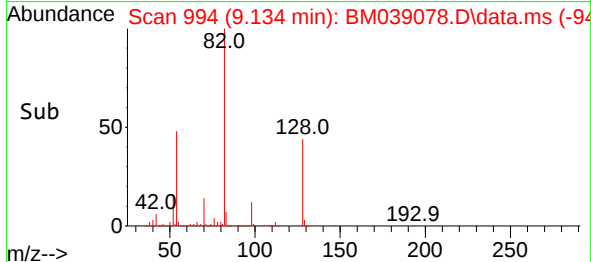
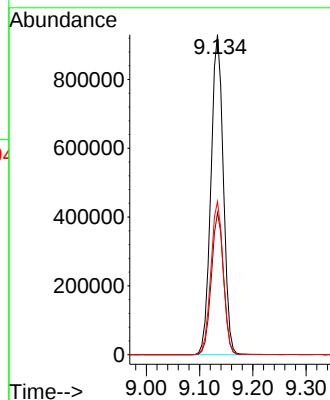
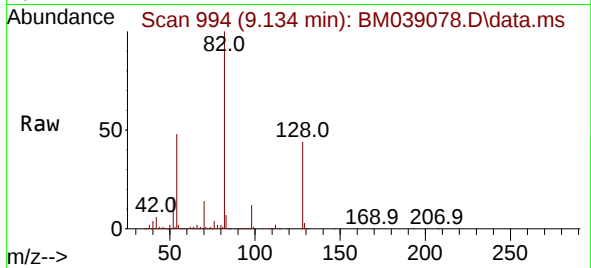




#23
Nitrobenzene-d5
Concen: 55.016 ng
RT: 9.134 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

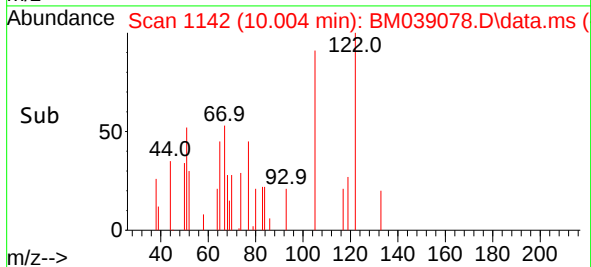
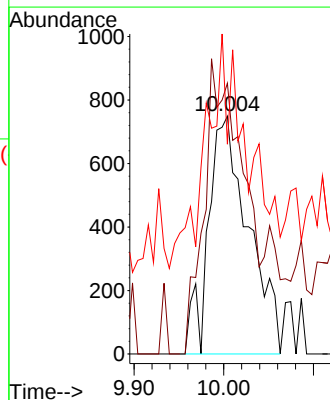
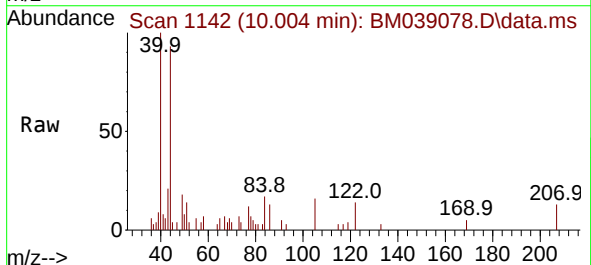
Instrument :
BNA_M
ClientSampleId :
IRV-2

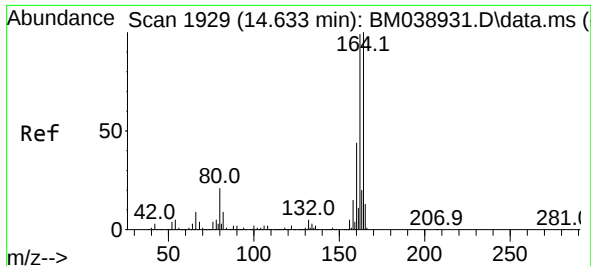
Tgt Ion: 82 Resp: 1503908
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.9 38.8 58.2



#32
Benzoic acid
Concen: 5.861 ng
RT: 10.004 min Scan# 1142
Delta R.T. -0.082 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion: 122 Resp: 2334
Ion Ratio Lower Upper
122 100
105 113.9 104.2 144.2
77 88.3 75.1 115.1

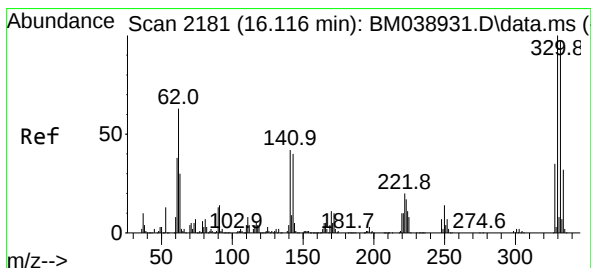
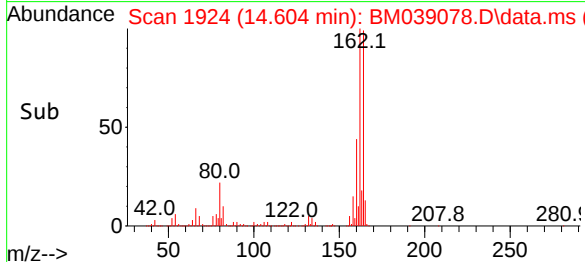
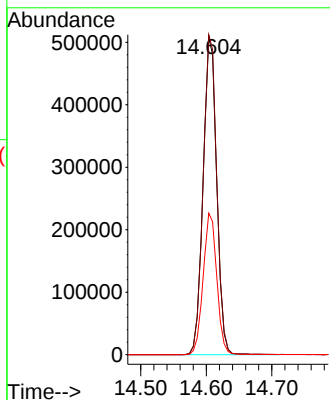
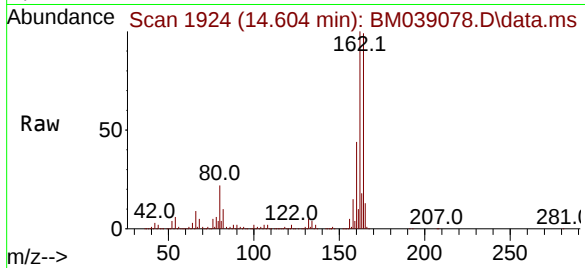




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

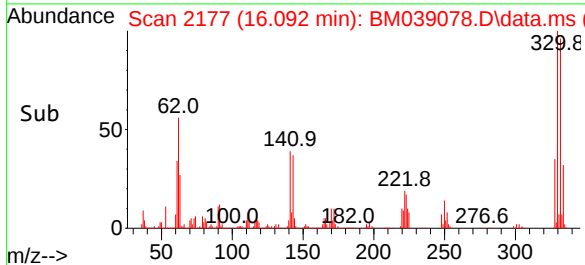
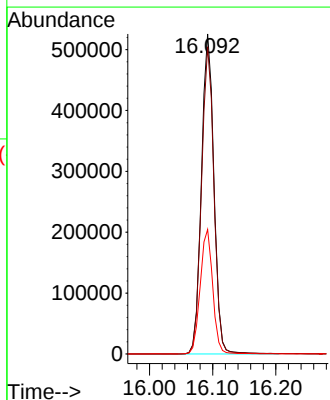
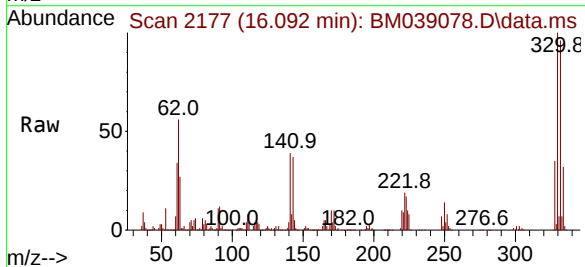
Instrument :
BNA_M
ClientSampleId :
IRV-2

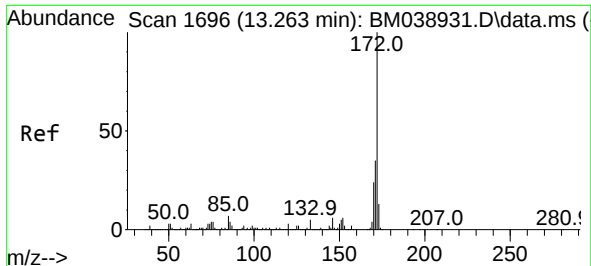
Tgt Ion:164 Resp: 733679
Ion Ratio Lower Upper
164 100
162 100.8 79.2 118.8
160 44.6 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 84.962 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion:330 Resp: 721113
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 39.0 32.2 48.4

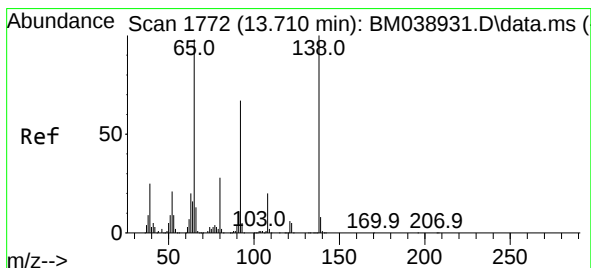
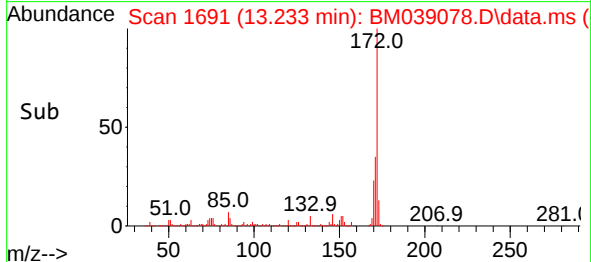
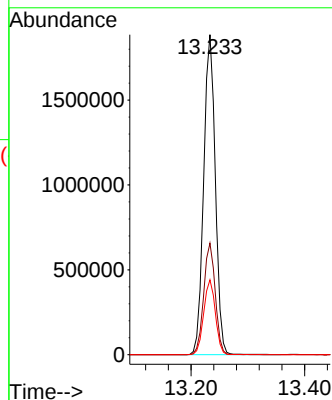
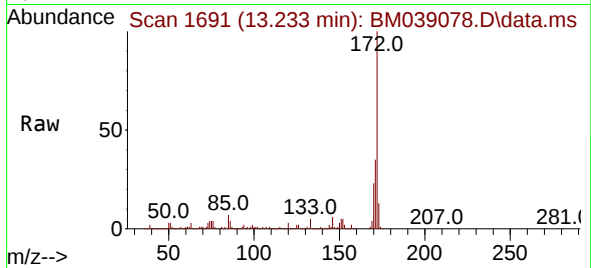




#45
2-Fluorobiphenyl
Concen: 47.552 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

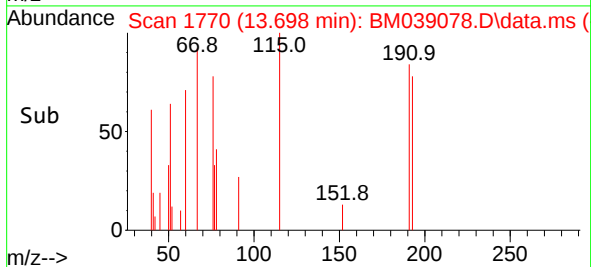
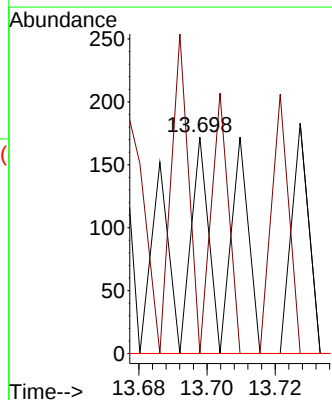
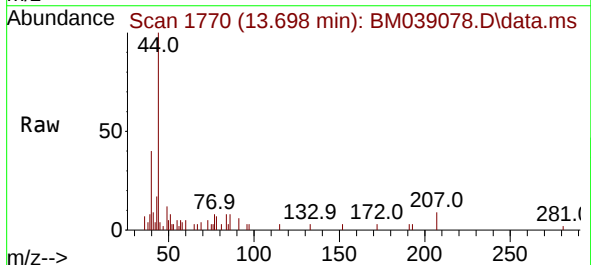
Instrument :
BNA_M
ClientSampleId :
IRV-2

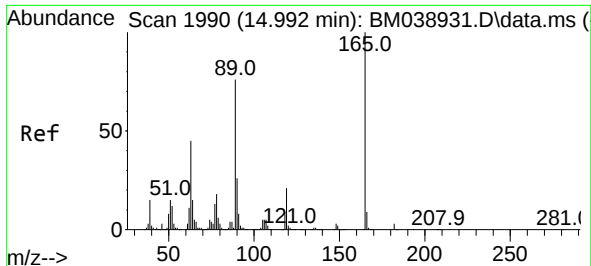
Tgt Ion:172 Resp: 2679957
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.4 19.1 28.7



#48
2-Nitroaniline
Concen: 2.223 ng
RT: 13.698 min Scan# 1770
Delta R.T. 0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion: 65 Resp: 121
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#

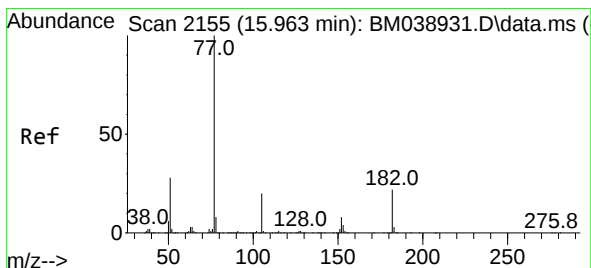
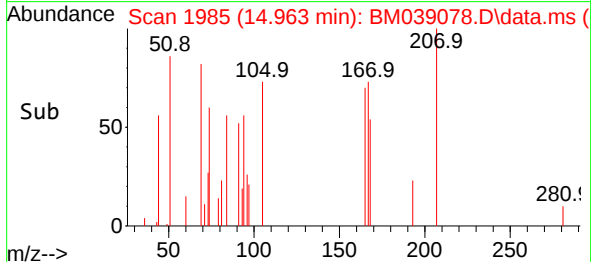
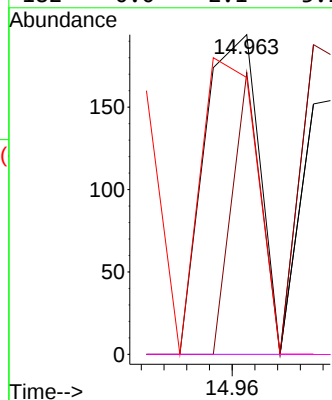
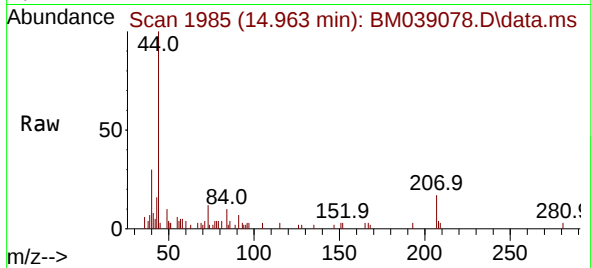




#57
2,4-Dinitrotoluene
Concen: 2.079 ng
RT: 14.963 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

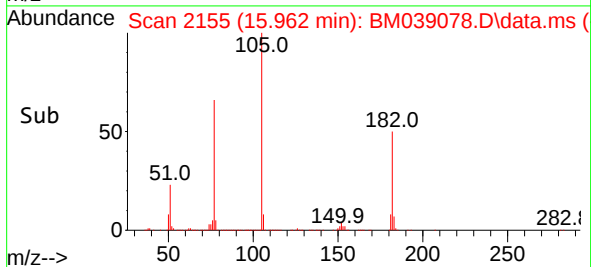
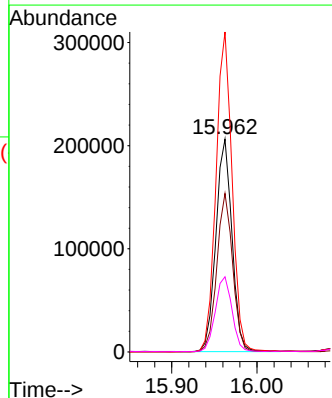
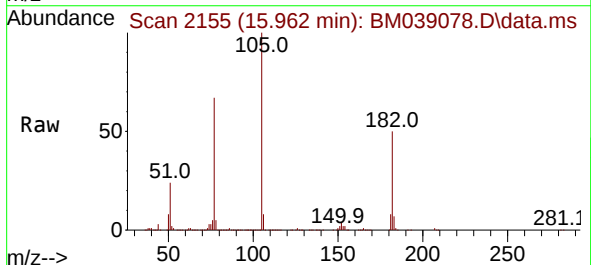
Instrument :
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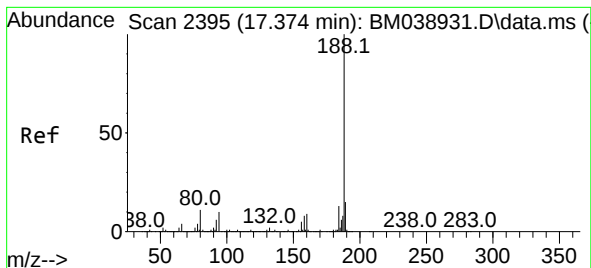
Tgt Ion:165 Resp: 130
Ion Ratio Lower Upper
165 100
63 88.1 35.9 53.9#
89 86.6 61.0 91.6
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 4.662 ng
RT: 15.962 min Scan# 2155
Delta R.T. 0.024 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion: 77 Resp: 270955
Ion Ratio Lower Upper
77 100
182 74.5 2.0 42.0#
105 150.3 0.4 40.4#
51 35.3 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: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

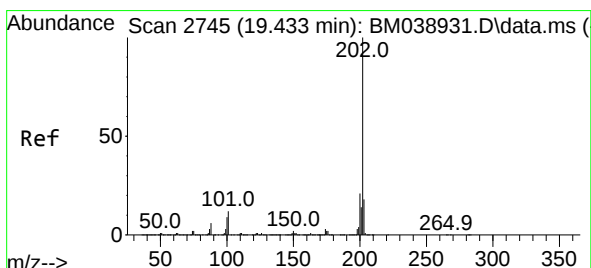
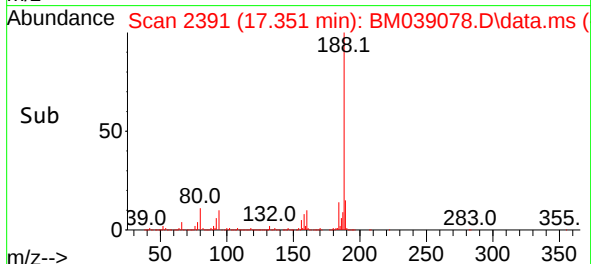
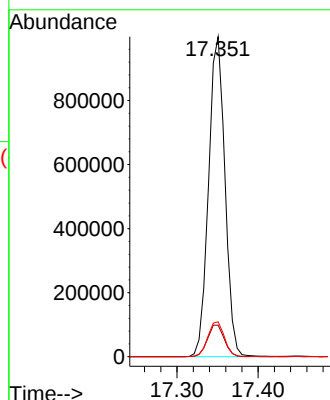
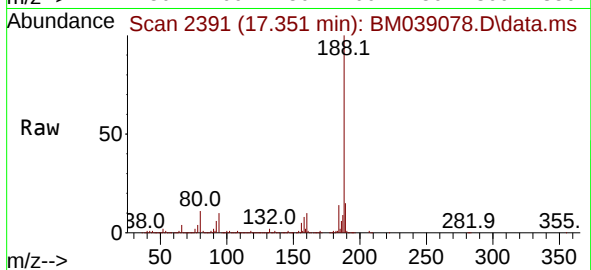
Tgt Ion:188 Resp: 1399232

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.9 8.5 12.7



#75

Fluoranthene

Concen: 3.480 ng

RT: 19.403 min Scan# 2740

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

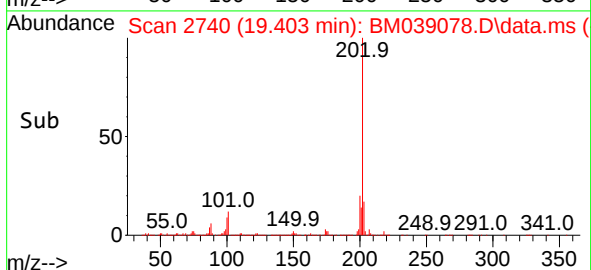
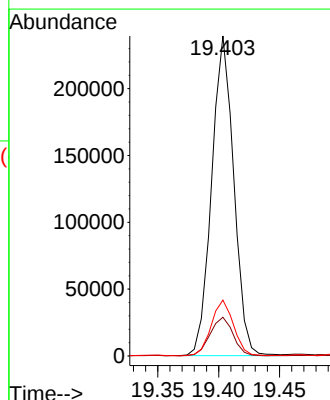
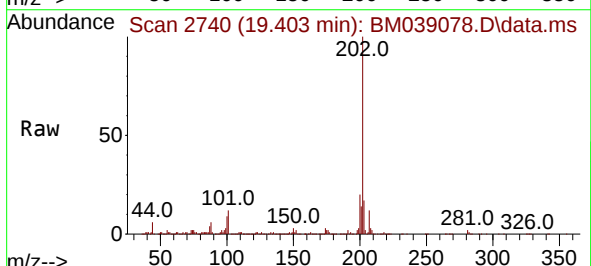
Tgt Ion:202 Resp: 301757

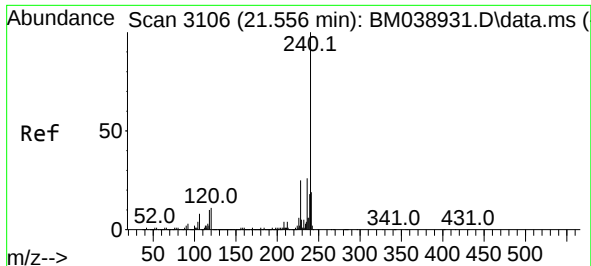
Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.7

203 17.5 0.0 37.6

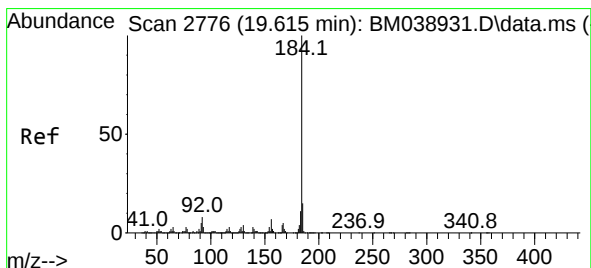
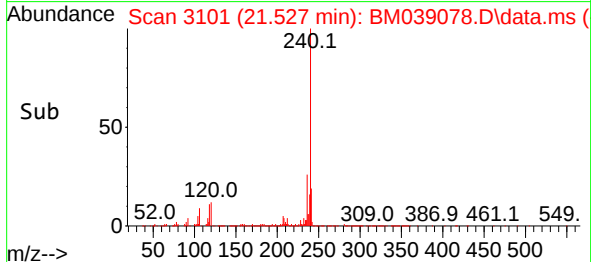
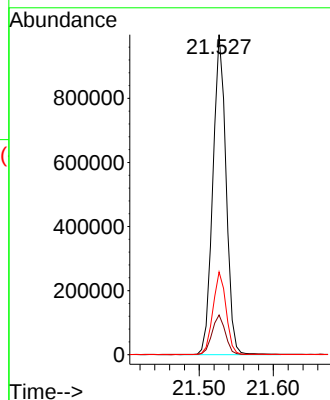
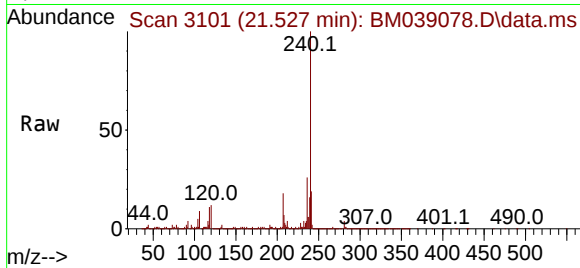




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

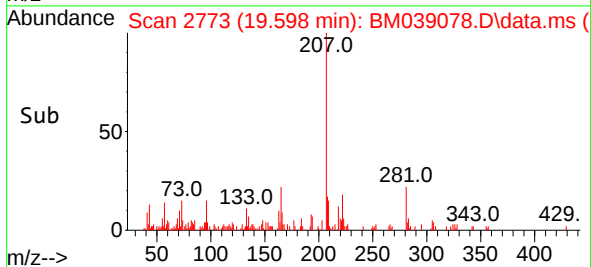
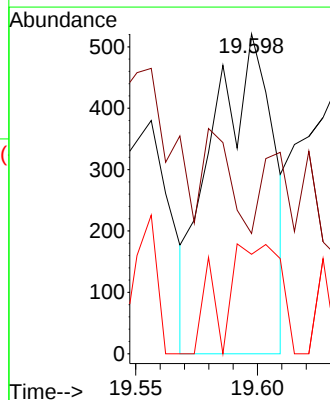
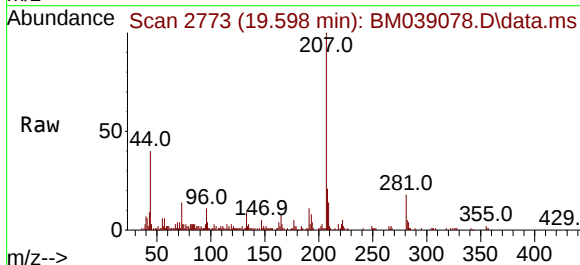
Instrument :
BNA_M
ClientSampleId :
IRV-2

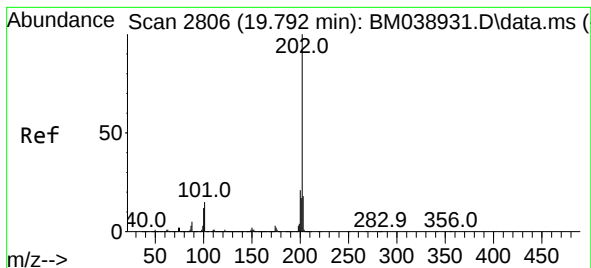
Tgt Ion:240 Resp: 1232821
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.9 20.8 31.2



#77
Benzidine
Concen: 4.906 ng
RT: 19.598 min Scan# 2773
Delta R.T. 0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion:184 Resp: 914
Ion Ratio Lower Upper
184 100
185 37.6 12.2 18.4#
183 31.1 8.8 13.2#





#78

Pyrene

Concen: 3.340 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

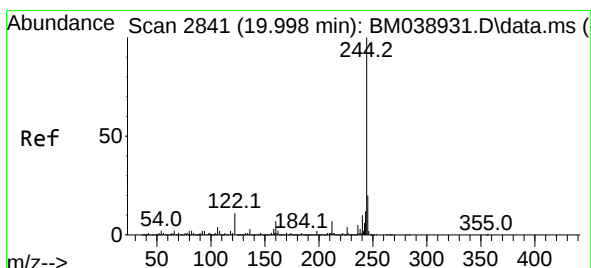
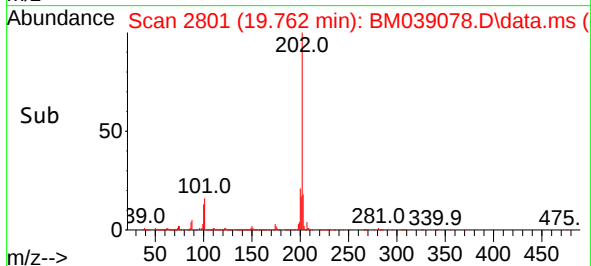
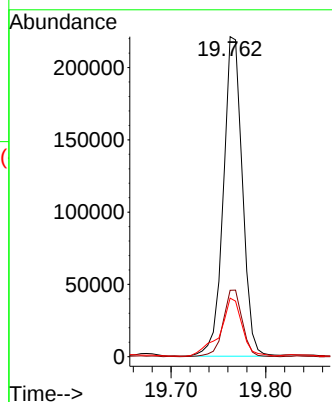
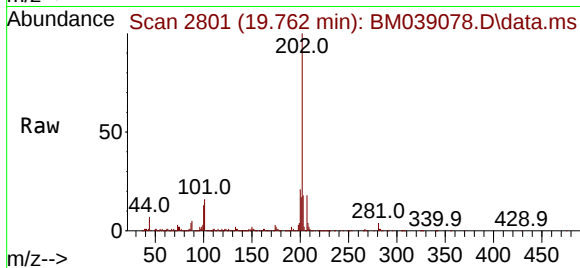
Tgt Ion:202 Resp: 309251

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 45.663 ng

RT: 19.968 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

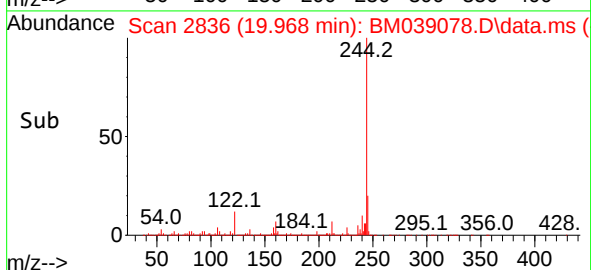
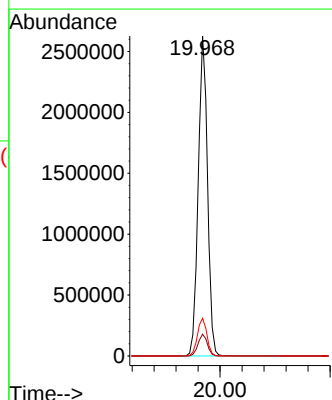
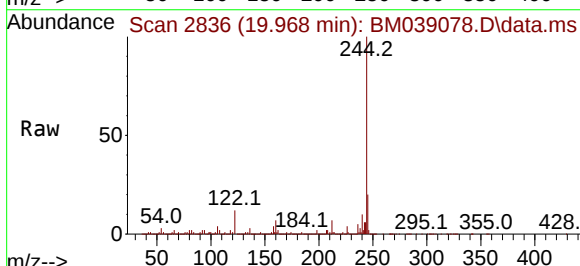
Tgt Ion:244 Resp: 3078990

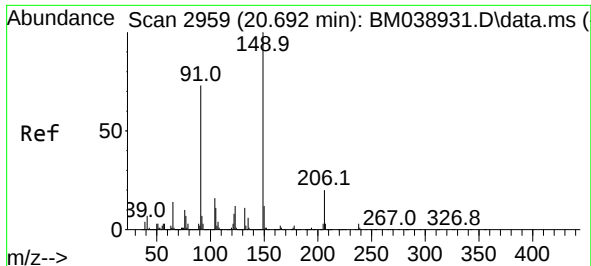
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.8 9.0 13.4

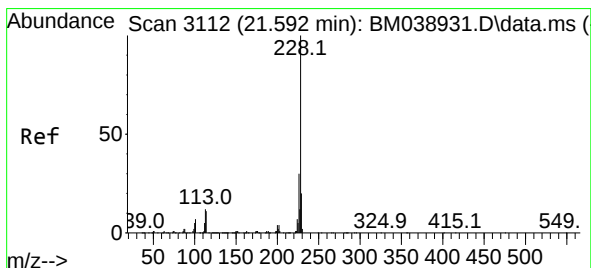
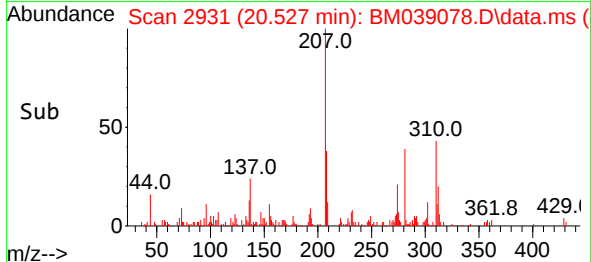
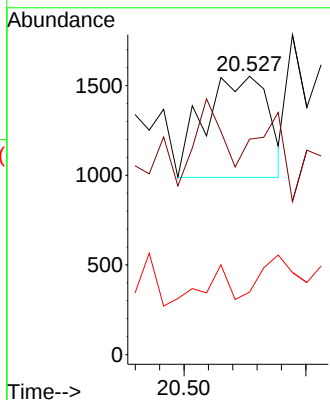
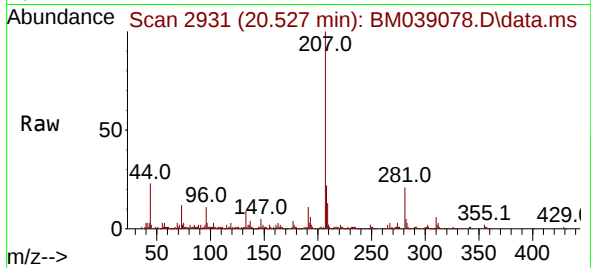




#80
Butylbenzylphthalate
Concen: 3.340 ng
RT: 20.527 min Scan# 2959
Delta R.T. -0.135 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

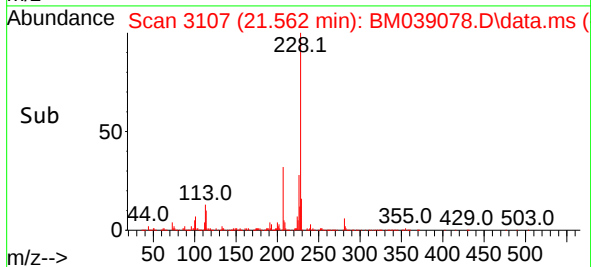
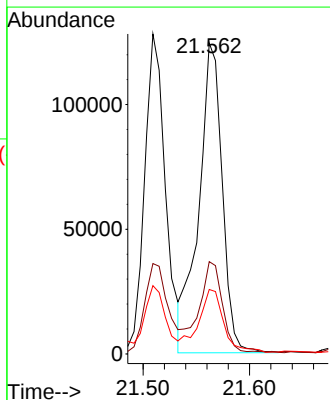
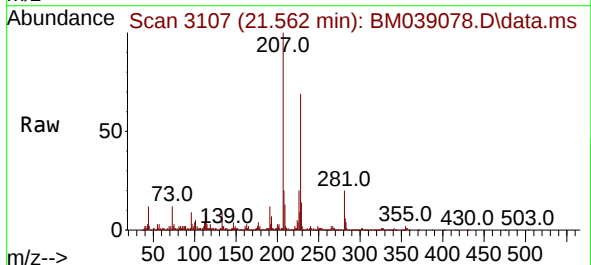
Instrument :
BNA_M
ClientSampleId :
IRV-2

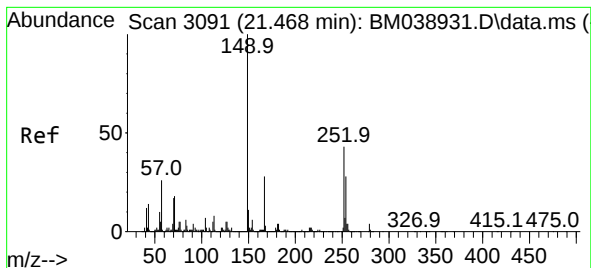
Tgt Ion:149 Resp: 1022
Ion Ratio Lower Upper
149 100
91 77.4 58.4 87.6
206 22.4 16.1 24.1



#83
Chrysene
Concen: 2.211 ng
RT: 21.562 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Tgt Ion:228 Resp: 190950
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 20.7 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.189 ng

RT: 21.439 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

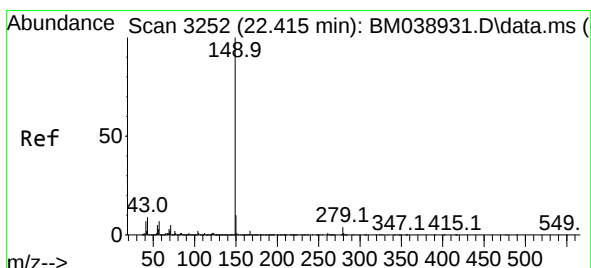
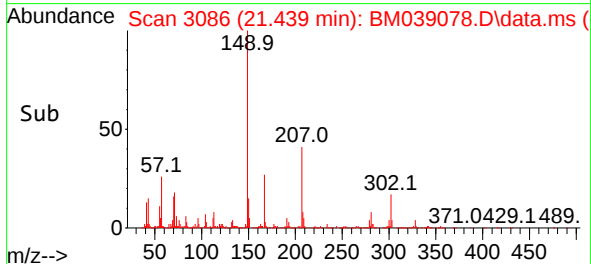
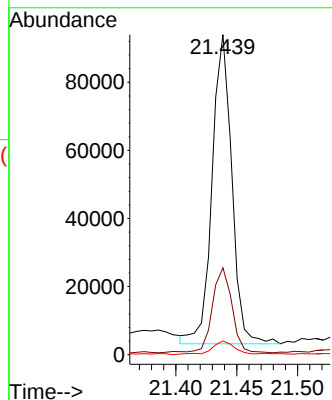
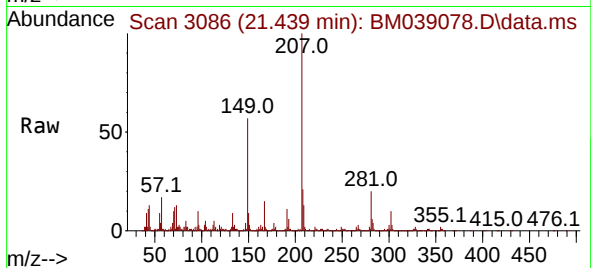
Tgt Ion:149 Resp: 102327

Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 4.3 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.872 ng

RT: 22.386 min Scan# 3247

Delta R.T. 0.012 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

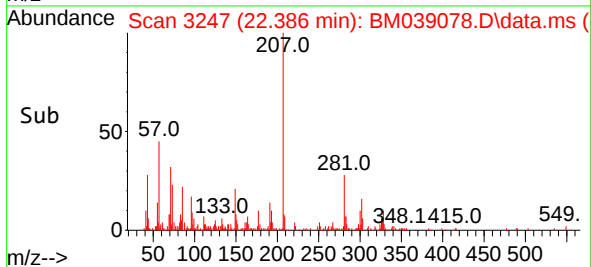
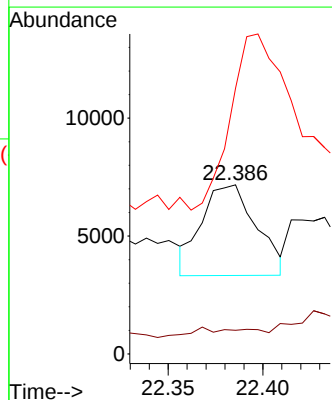
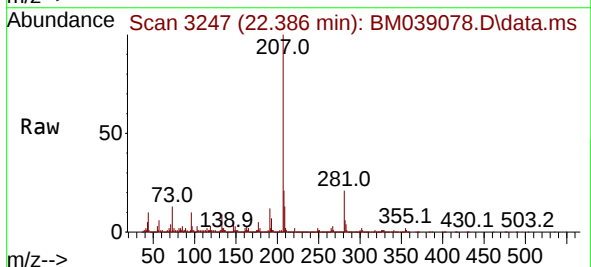
Tgt Ion:149 Resp: 7706

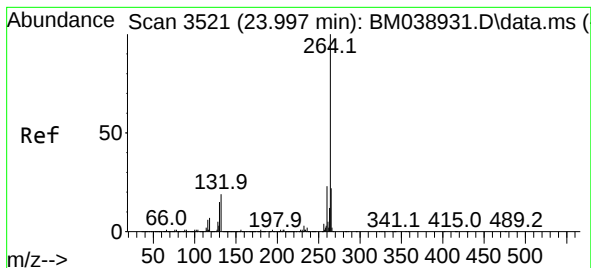
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 264.7 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

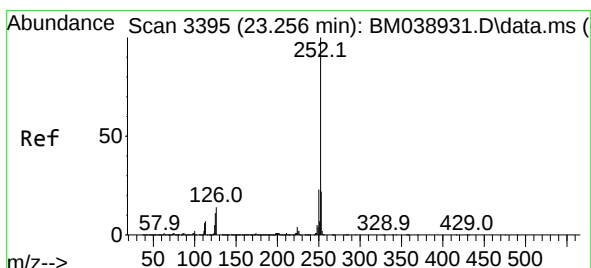
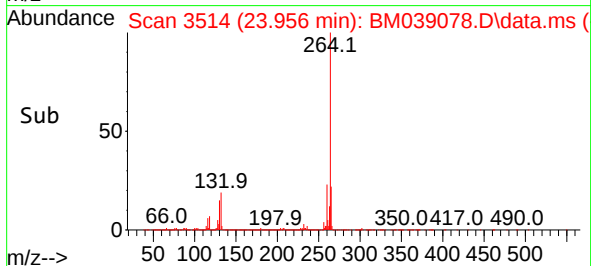
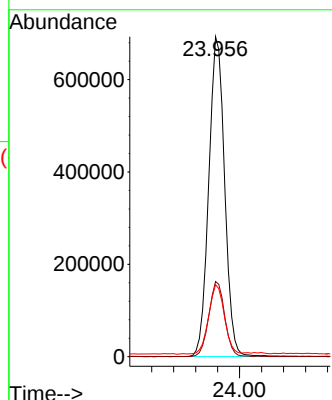
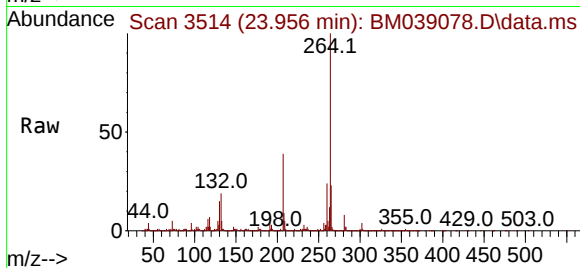
Tgt Ion:264 Resp: 1389045

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.5 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.617 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

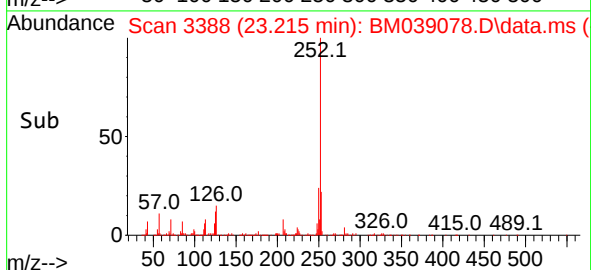
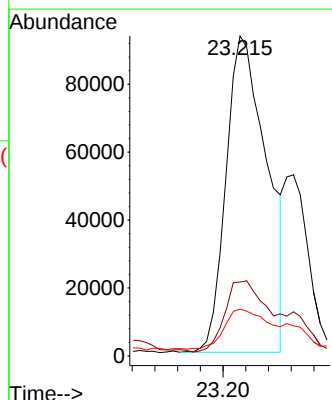
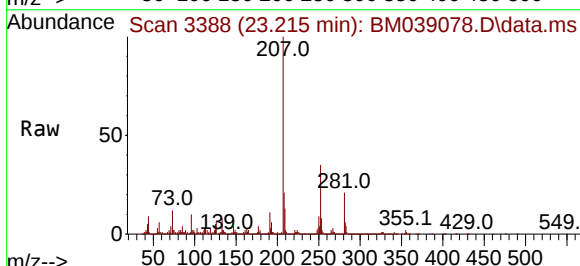
Tgt Ion:252 Resp: 232234

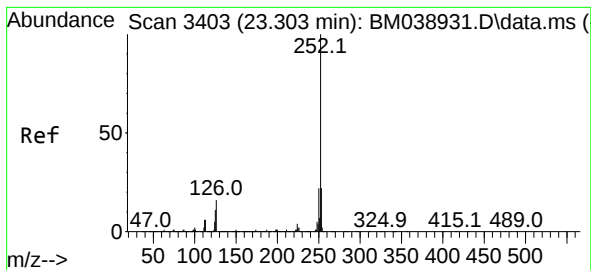
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 14.7 8.8 13.2#





#89

Benzo(k)fluoranthene

Concen: 2.515 ng

RT: 23.215 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM039078.D

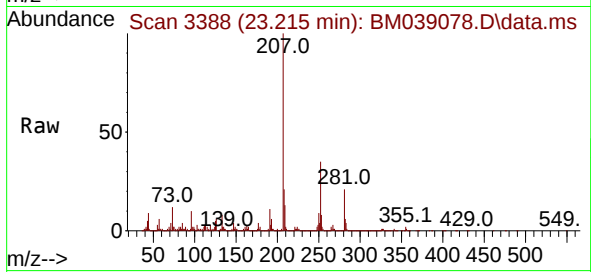
Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2



Tgt Ion:252 Resp: 232234

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 14.7 8.9 13.3#

