

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)

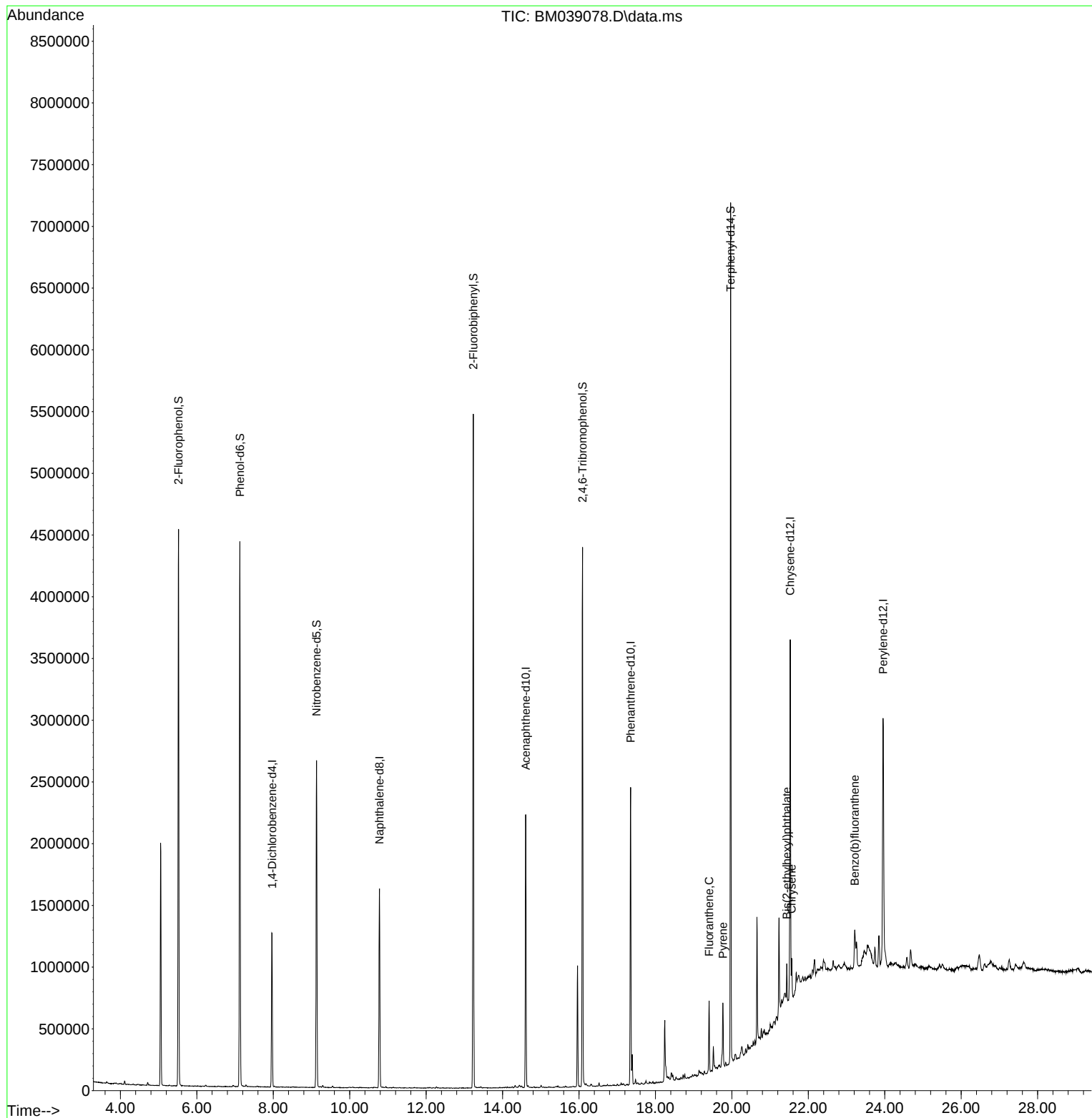
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	333023	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1342775	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	733679	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1399232	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1232821	20.000	ng	0.00
86) Perylene-d12	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
75) Fluoranthene	19.403	202	301757	3.480	ng	99
78) Pyrene	19.762	202	309251	3.340	ng	99
83) Chrysene	21.562	228	190950	2.211	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	102327	4.189	ng	99
88) Benzo(b)fluoranthene	23.215	252	232234	2.617	ng	# 95

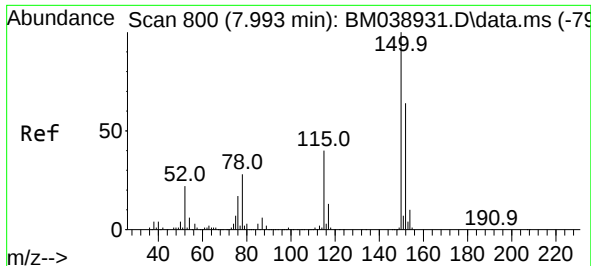
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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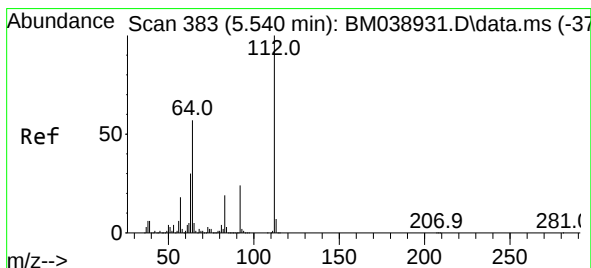
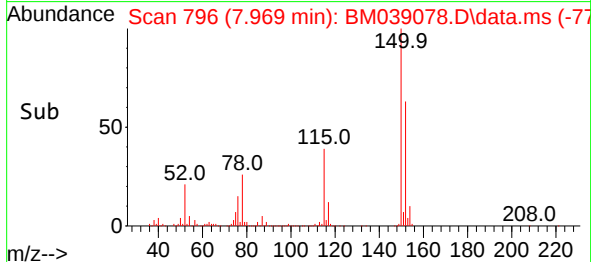
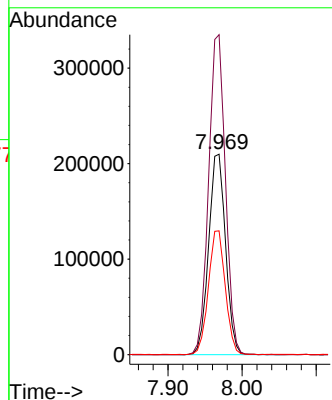
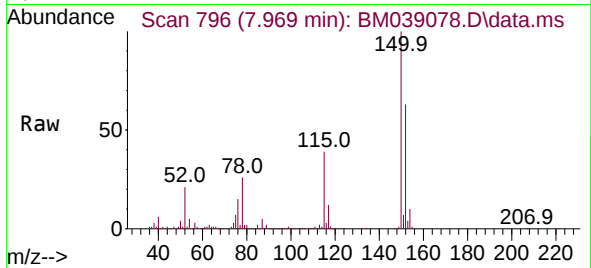




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

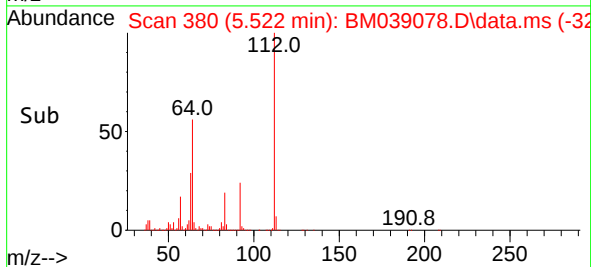
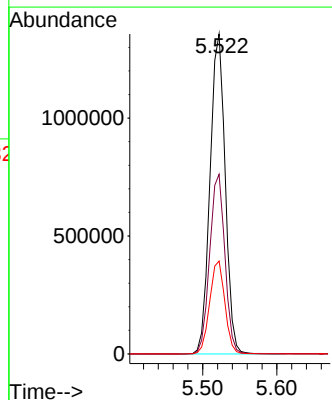
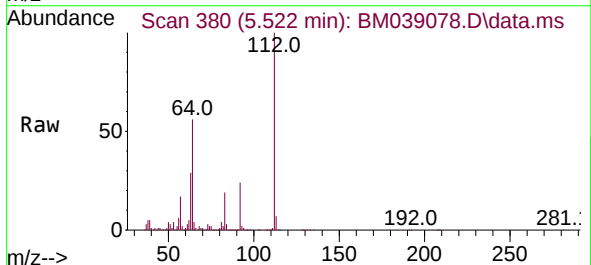
Instrument :
BNA_M
ClientSampleId :
IRV-2

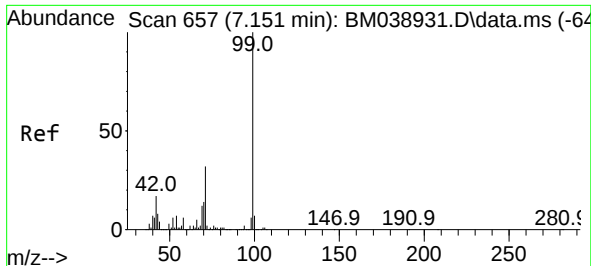
Tgt Ion:152 Resp: 333023
Ion Ratio Lower Upper
152 100
150 159.7 125.1 187.7
115 61.8 49.6 74.4



#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



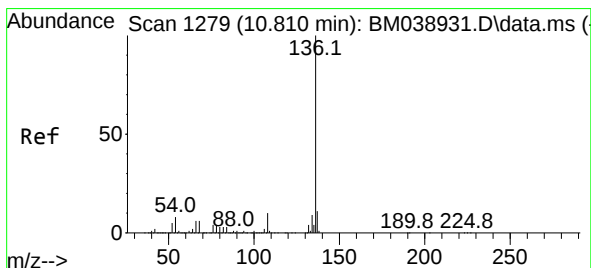
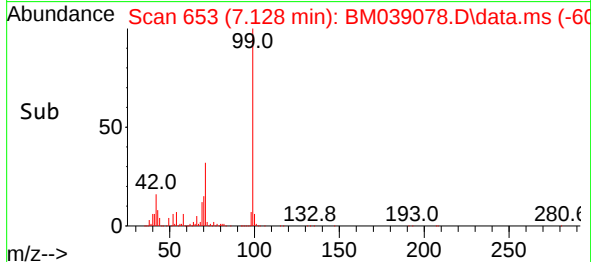
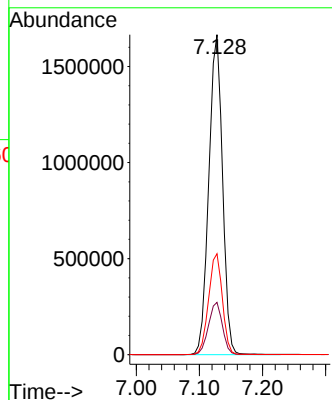
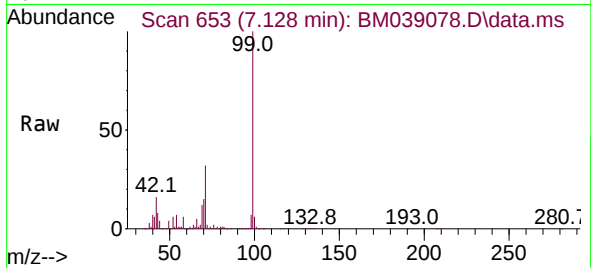


#7
Phenol-d6
Concen: 88.293 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

Instrument :
BNA_M
ClientSampleId :
IRV-2

Tgt Ion: 99 Resp: 2513826

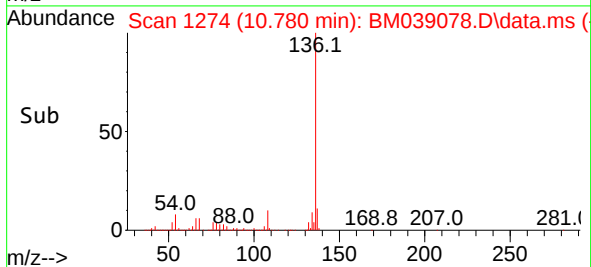
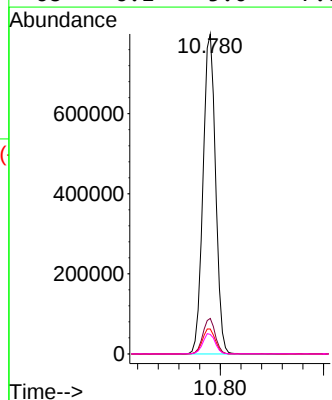
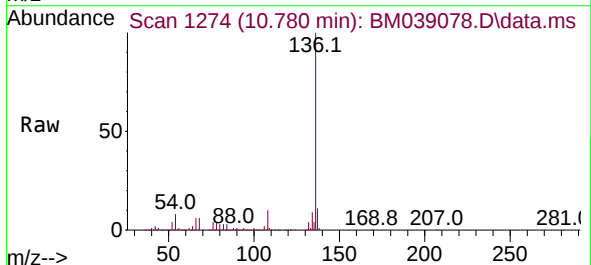
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	31.5	25.6	38.4

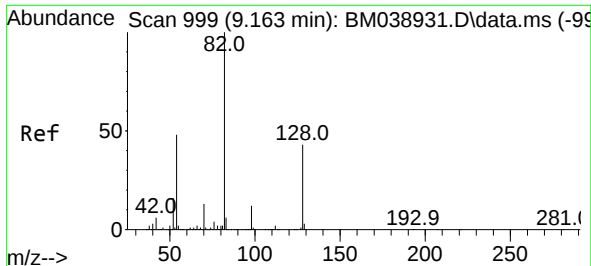


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

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

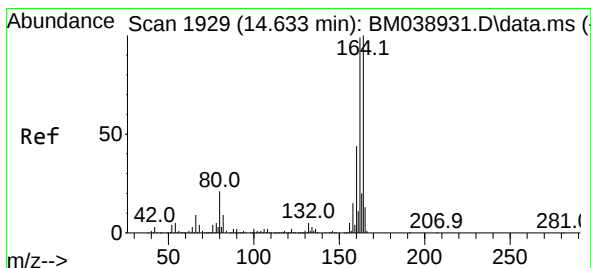
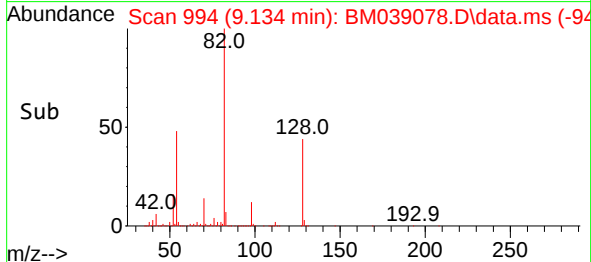
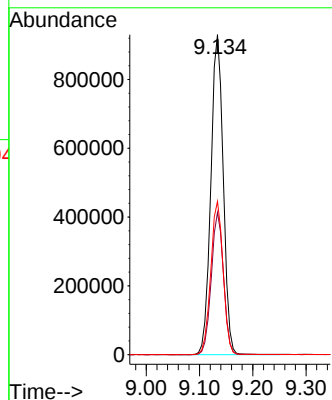
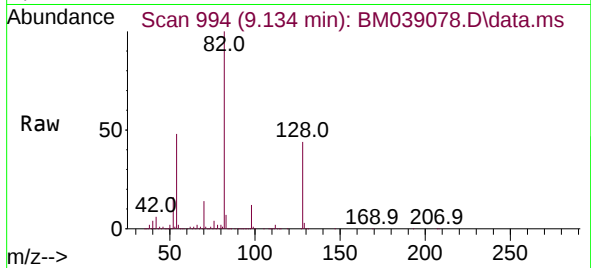




#23
Nitrobenzene-d5
Concen: 55.016 ng
RT: 9.134 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039078.D
Acq: 21 Mar 2023 20:52

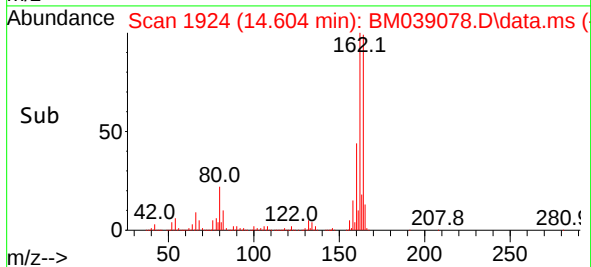
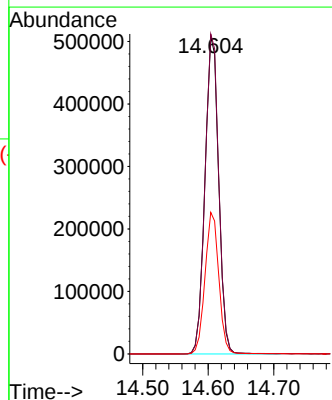
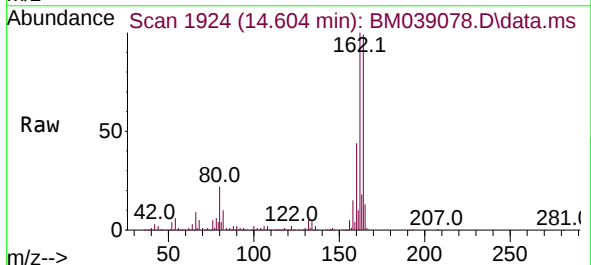
Instrument :
BNA_M
ClientSampleId :
IRV-2

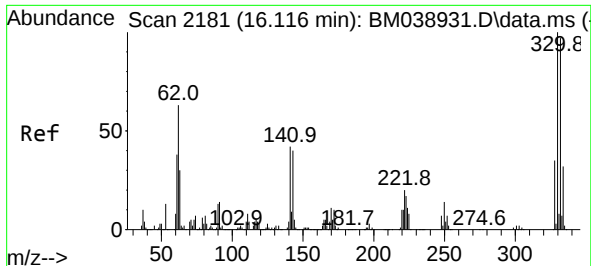
Tgt Ion: 82 Resp: 1503908
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.9 38.8 58.2



#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

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# 21

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

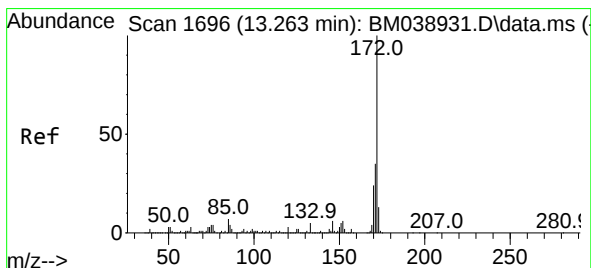
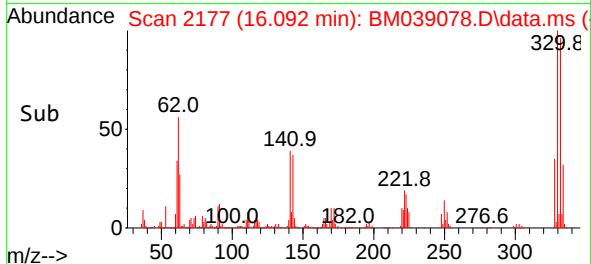
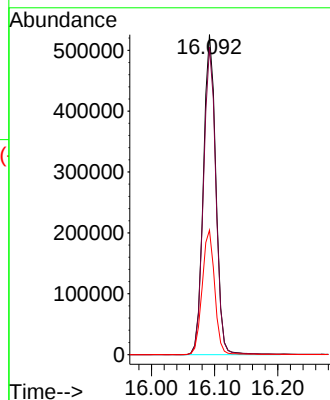
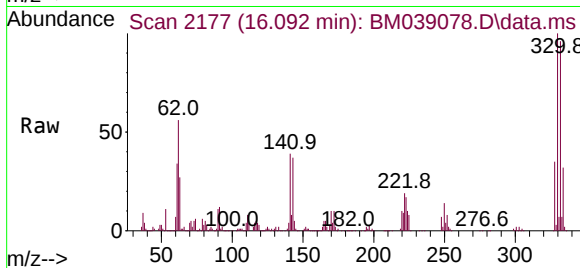
Tgt Ion:330 Resp: 721113

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# 1691

Delta R.T. -0.000 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

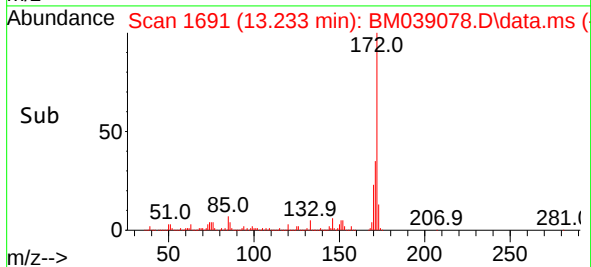
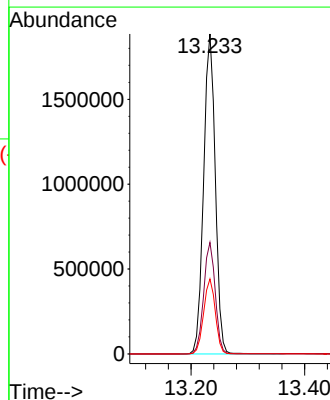
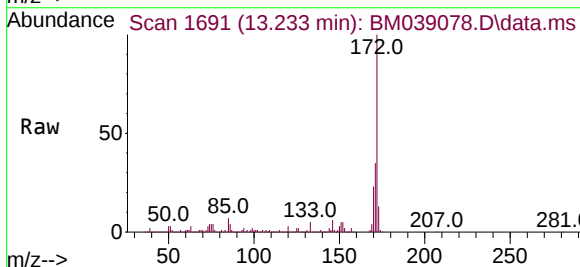
Tgt Ion:172 Resp: 2679957

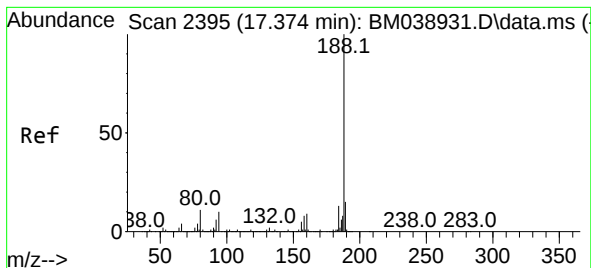
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.4 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. -0.000 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

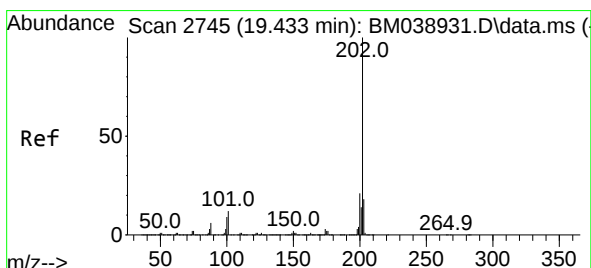
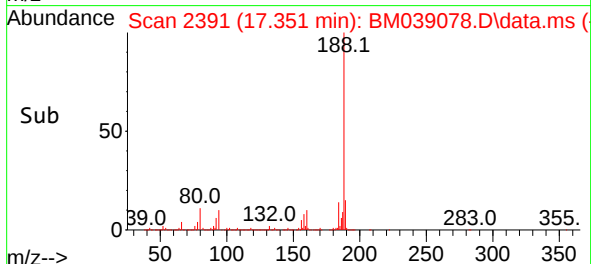
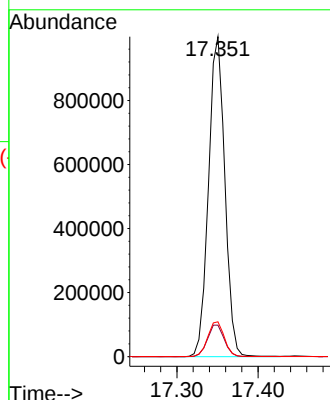
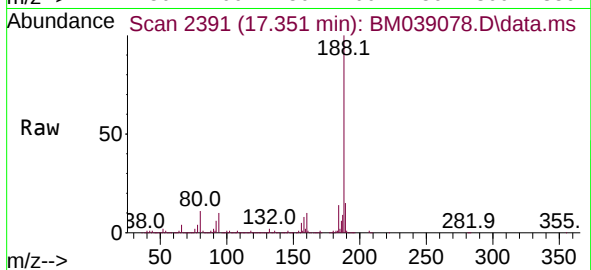
Tgt Ion:188 Resp: 1399232

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

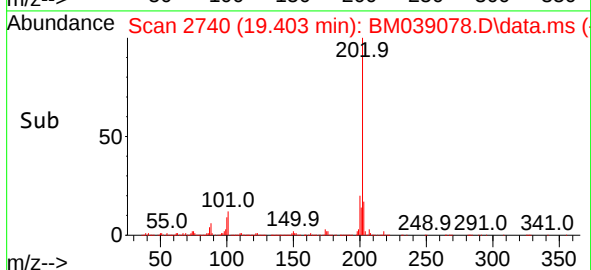
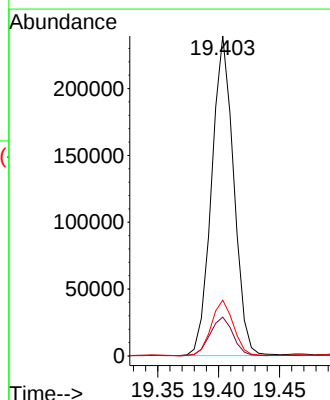
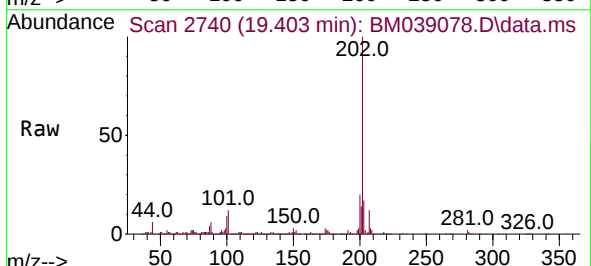
Tgt Ion:202 Resp: 301757

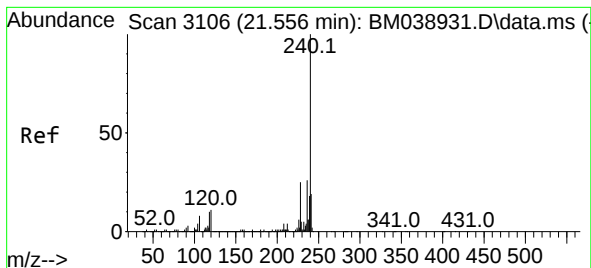
Ion Ratio Lower Upper

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# 31

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2

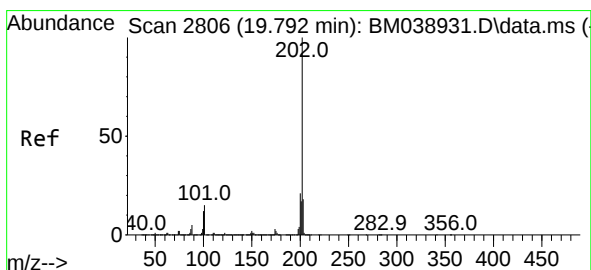
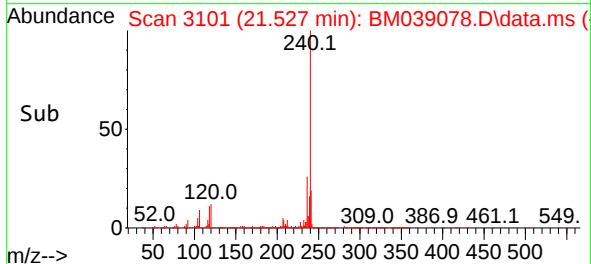
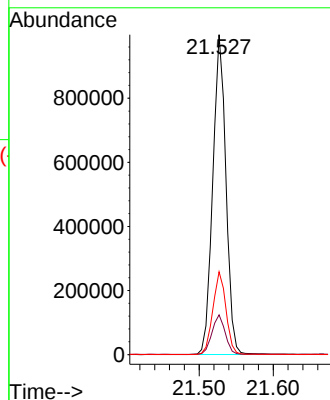
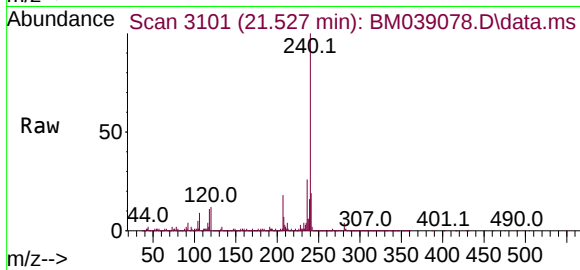
Tgt Ion:240 Resp: 1232821

Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

236 25.9 20.8 31.2



#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

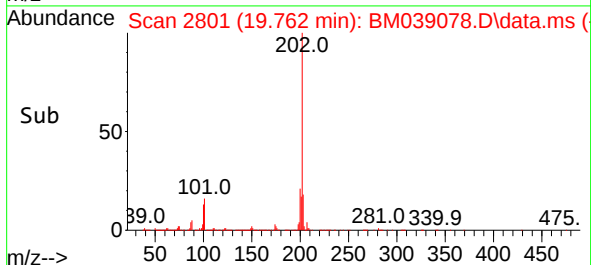
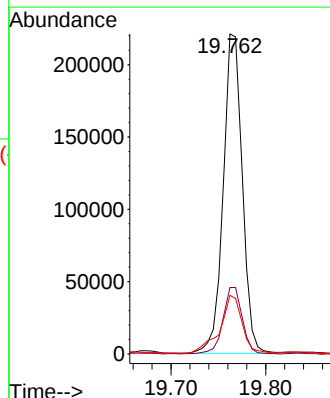
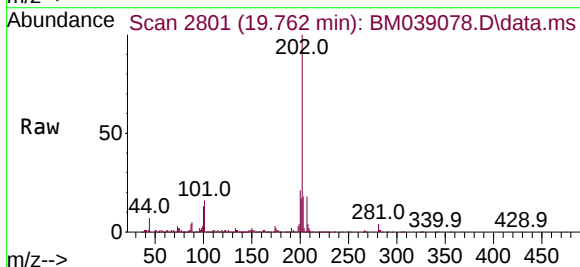
Tgt Ion:202 Resp: 309251

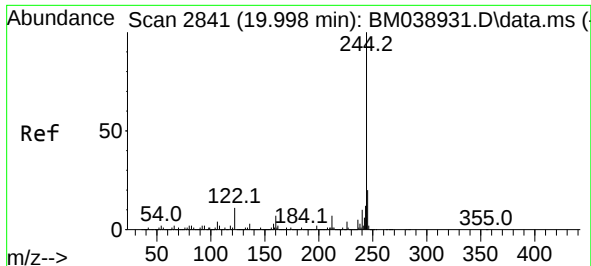
Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 18.3 14.1 21.1

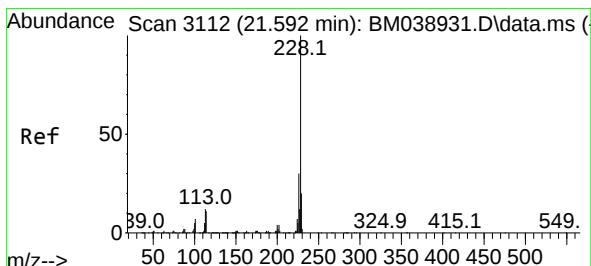
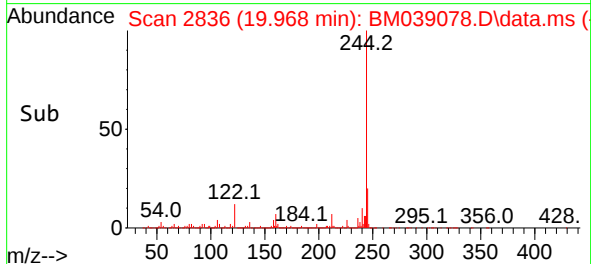
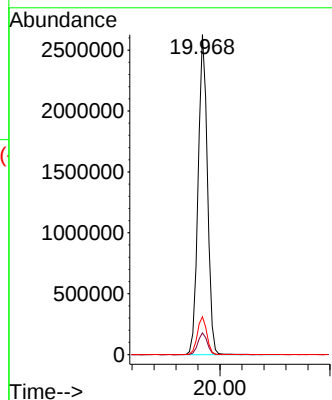
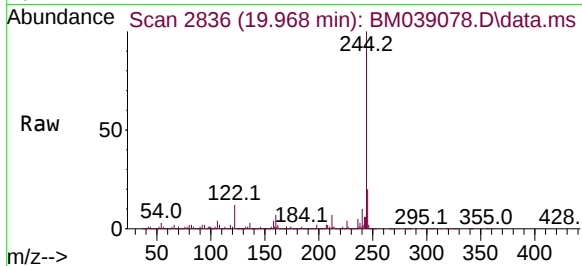




#79
 Terphenyl-d14
 Concen: 45.663 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039078.D
 Acq: 21 Mar 2023 20:52

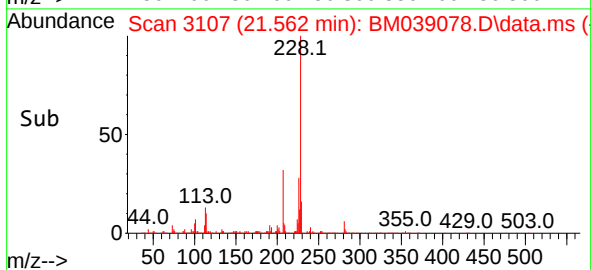
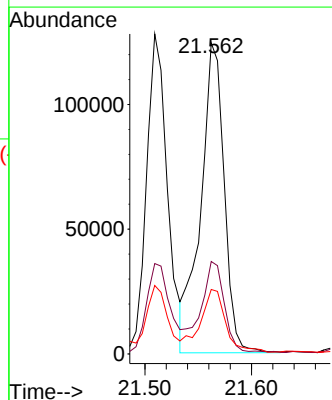
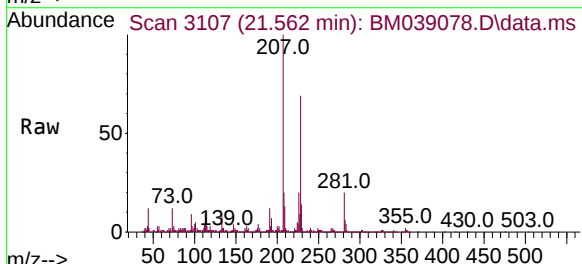
Instrument :
 BNA_M
 ClientSampleId :
 IRV-2

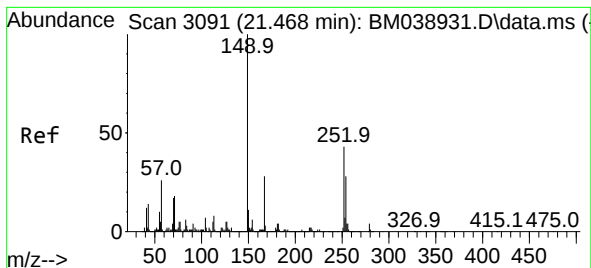
Tgt Ion:244 Resp: 3078990
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.8 9.0 13.4



#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

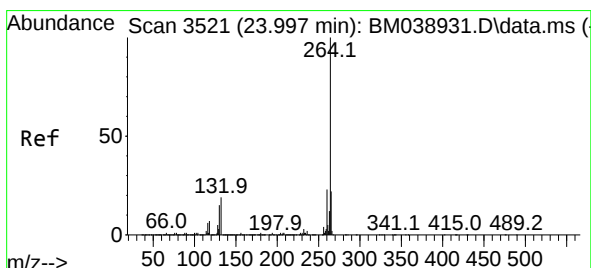
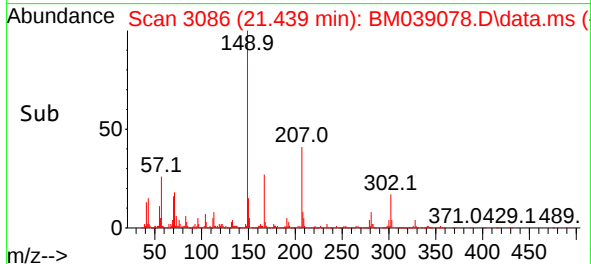
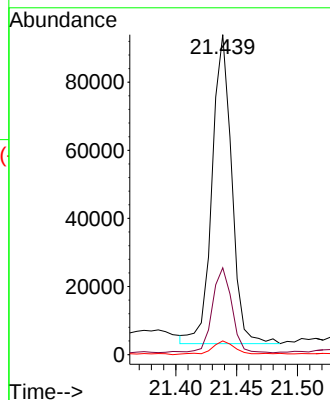
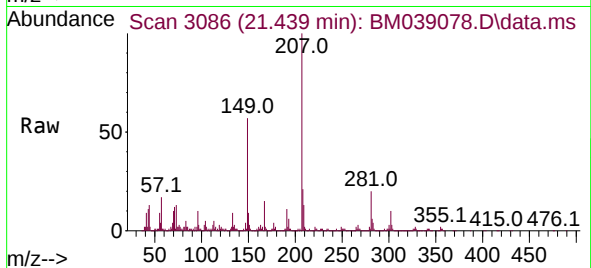
Tgt Ion:149 Resp: 102327

Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 4.3 3.2 4.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM039078.D

Acq: 21 Mar 2023 20:52

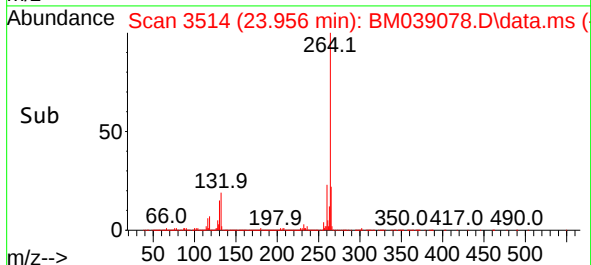
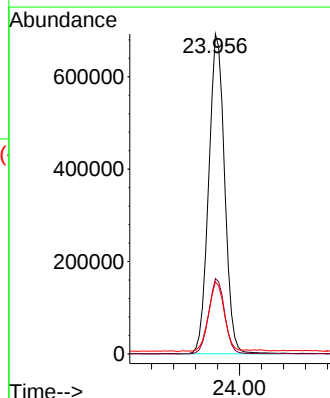
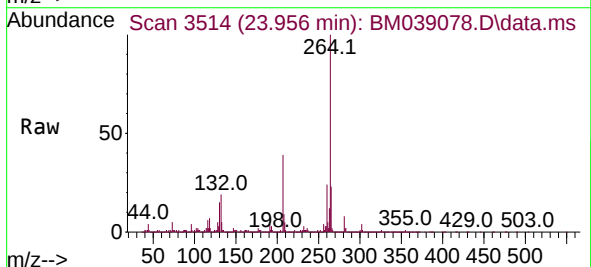
Tgt Ion:264 Resp: 1389045

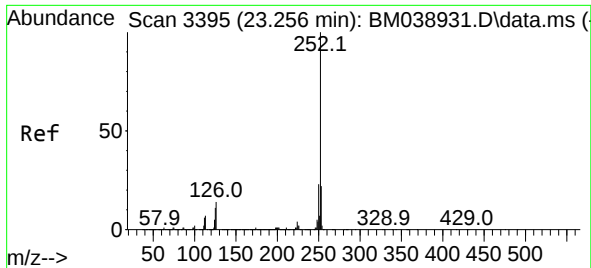
Ion Ratio Lower Upper

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# 33

Delta R.T. -0.006 min

Lab File: BM039078.D

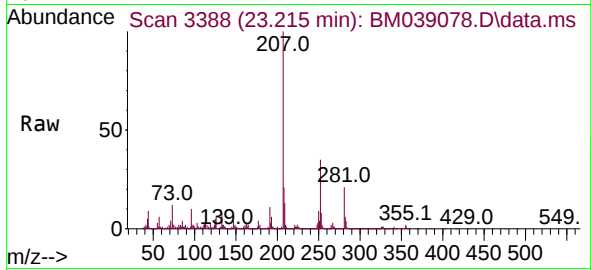
Acq: 21 Mar 2023 20:52

Instrument :

BNA_M

ClientSampleId :

IRV-2



Tgt Ion:252 Resp: 232234

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 14.7 8.8 13.2#

