

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039195.D
 Acq On : 29 Mar 2023 00:39
 Operator : CG/JU
 Sample : 02082-02DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224DL

Quant Time: Mar 29 01:34:36 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 29 01:28:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

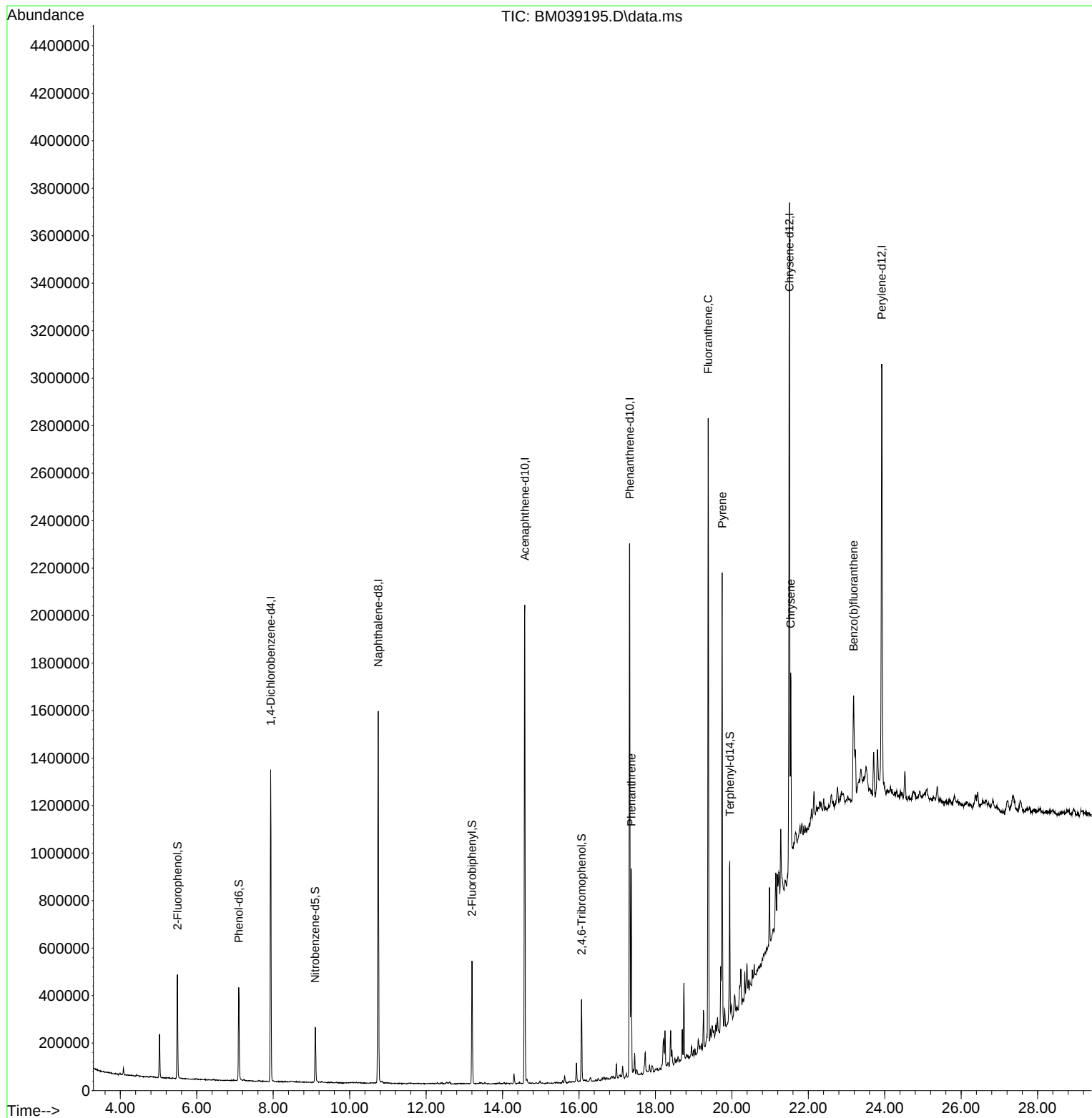
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	337425	20.000	ng	0.00
21) Naphthalene-d8	10.746	136	1309230	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	688647	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1336458	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1201387	20.000	ng	0.00
86) Perylene-d12	23.921	264	1345030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	189520	8.533	ng	0.00
7) Phenol-d6	7.099	99	234072	8.114	ng	-0.01
23) Nitrobenzene-d5	9.099	82	146002	5.478	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	60602	7.607	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	267828	5.063	ng	-0.01
79) Terphenyl-d14	19.945	244	306864	4.670	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.369	178	513174	6.542	ng	99
75) Fluoranthene	19.380	202	1454873	17.567	ng	99
78) Pyrene	19.745	202	1103226	12.226	ng	100
83) Chrysene	21.539	228	495860	5.893	ng	99
88) Benzo(b)fluoranthene	23.186	252	338113	3.935	ng	# 95

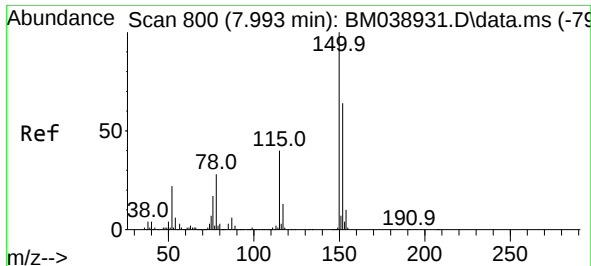
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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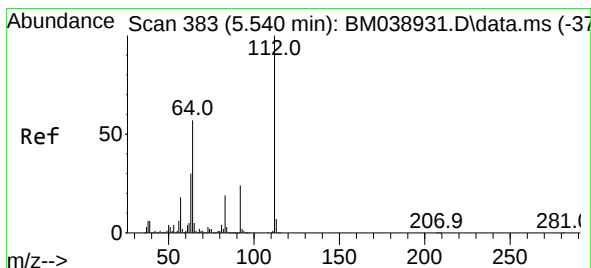
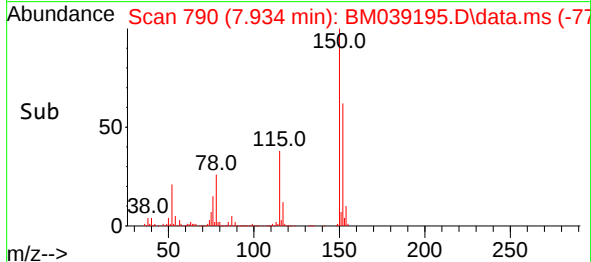
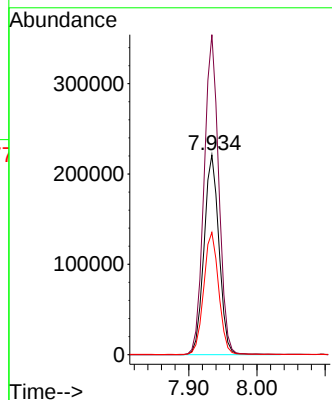
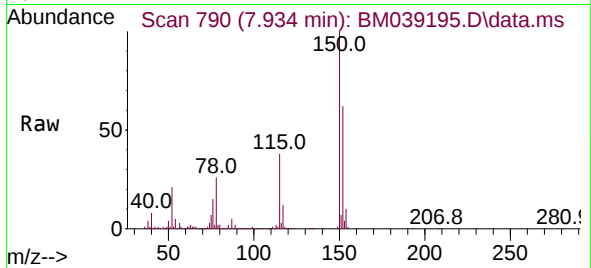




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

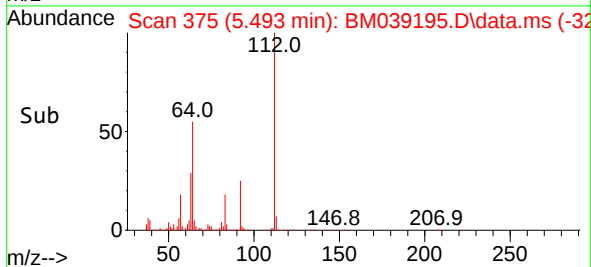
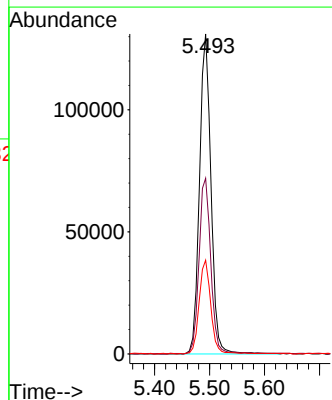
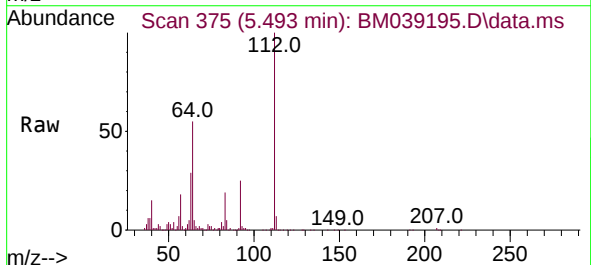
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

Tgt Ion:152 Resp: 337425
Ion Ratio Lower Upper
152 100
150 160.3 125.1 187.7
115 61.2 49.6 74.4



#5
2-Fluorophenol
Concen: 8.533 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion:112 Resp: 189520
Ion Ratio Lower Upper
112 100
64 54.9 45.9 68.9
63 29.3 23.8 35.8

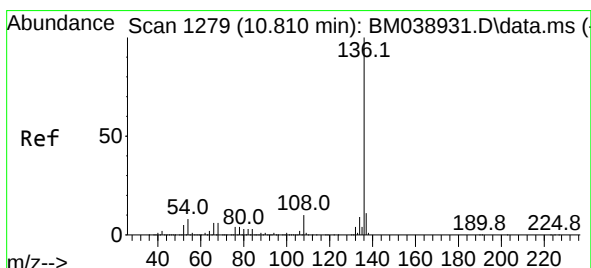
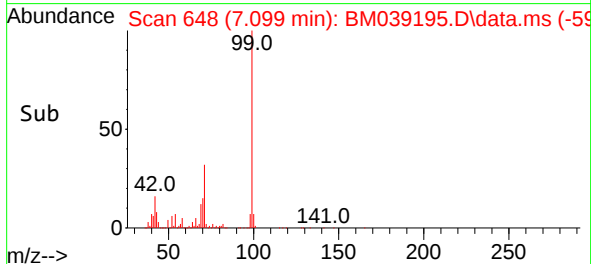
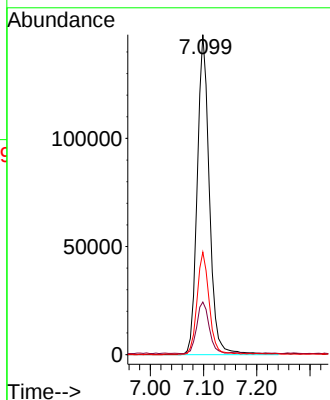
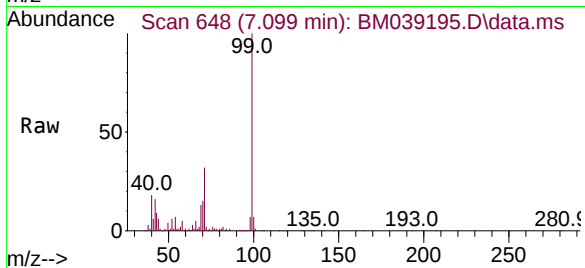




#7
Phenol-d6
Concen: 8.114 ng
RT: 7.099 min Scan# 64
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

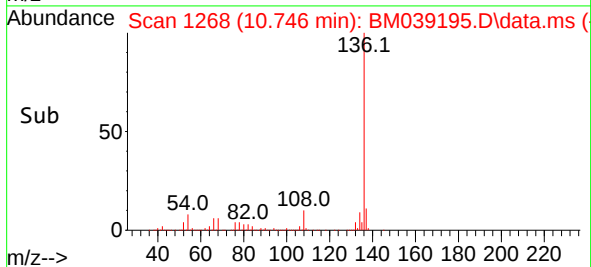
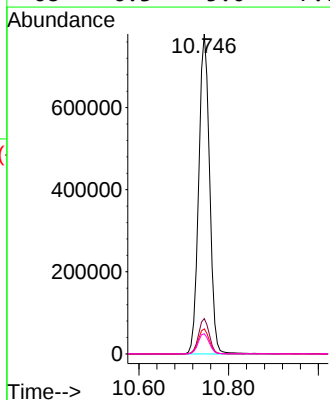
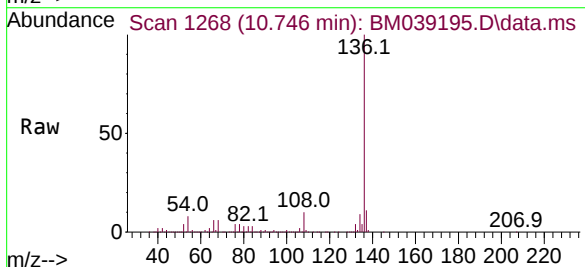
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

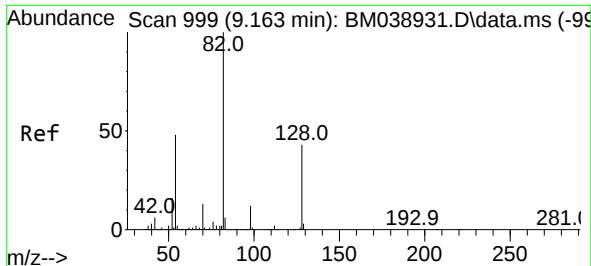
Tgt Ion: 99 Resp: 234072
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.746 min Scan# 1268
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion: 136 Resp: 1309230
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.3 9.5
68 6.3 5.0 7.6

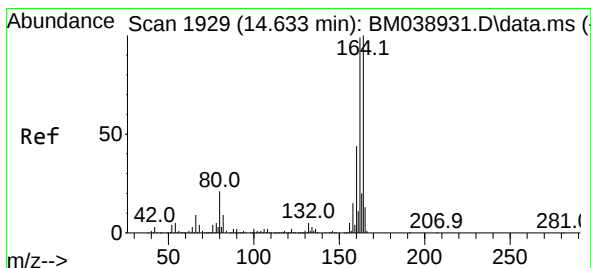
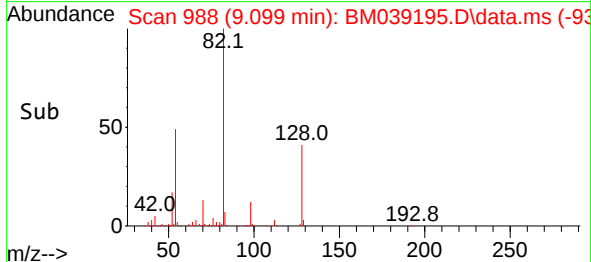
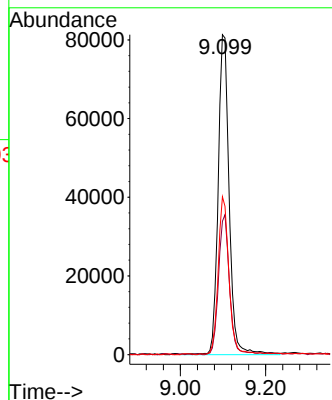
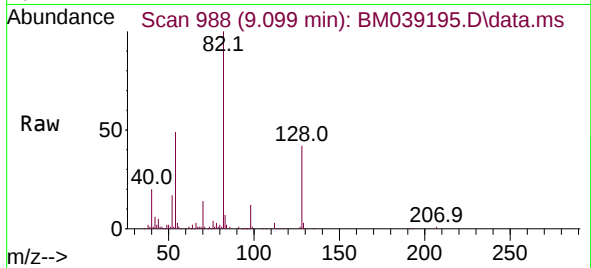




#23
Nitrobenzene-d5
Concen: 5.478 ng
RT: 9.099 min Scan# 988
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

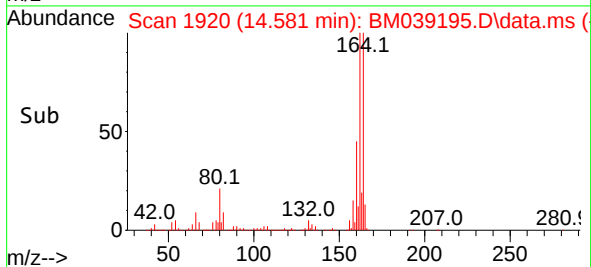
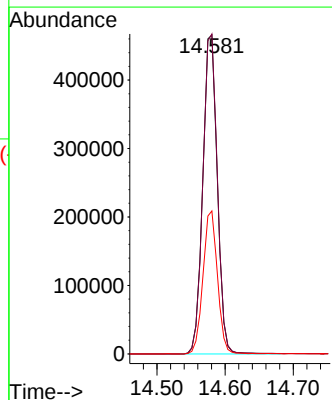
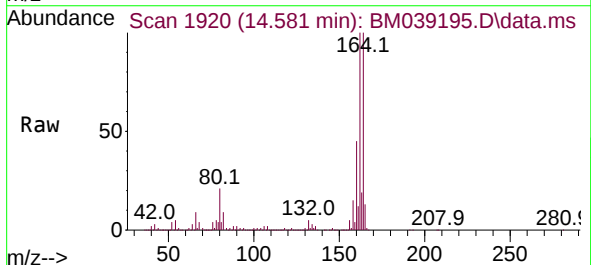
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

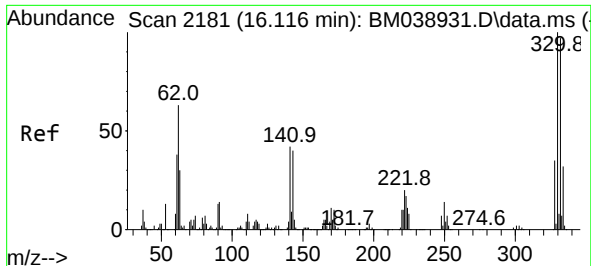
Tgt Ion: 82 Resp: 146002
Ion Ratio Lower Upper
82 100
128 41.7 34.4 51.6
54 49.3 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1920
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion: 164 Resp: 688647
Ion Ratio Lower Upper
164 100
162 100.3 79.2 118.8
160 44.8 35.5 53.3

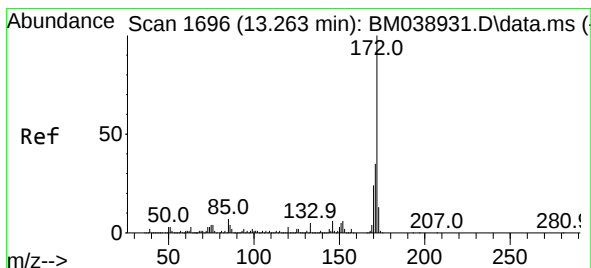
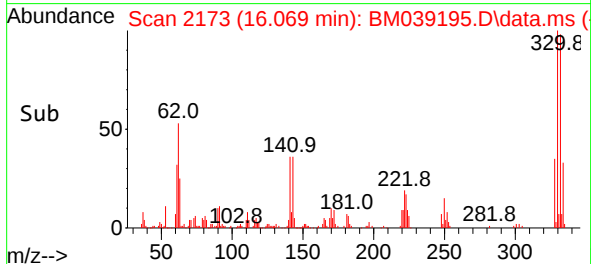
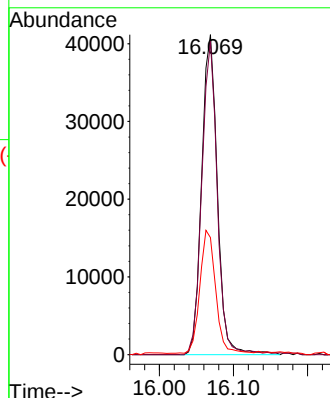
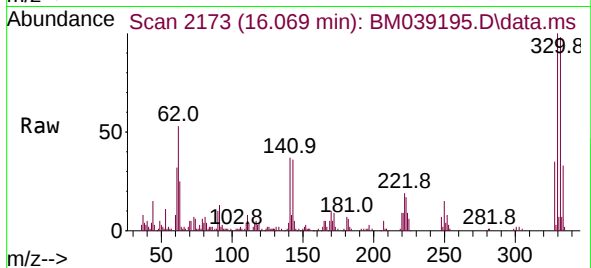




#42
2,4,6-Tribromophenol
Concen: 7.607 ng
RT: 16.069 min Scan# 2181
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

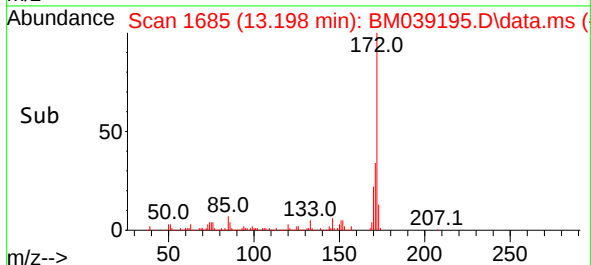
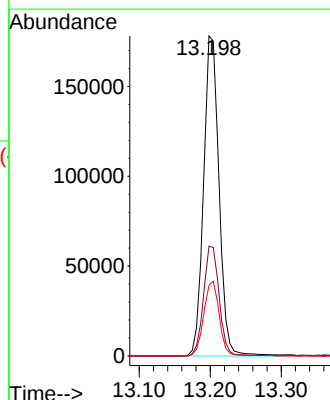
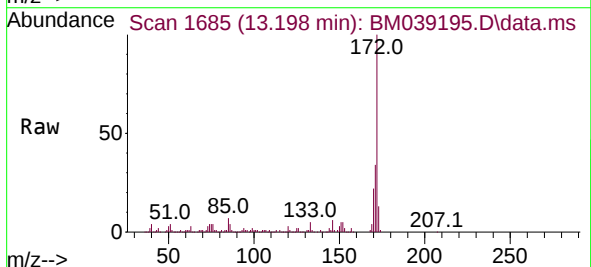
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

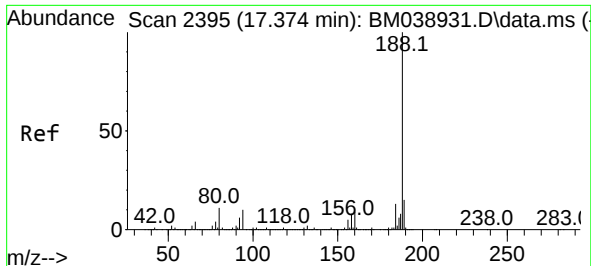
Tgt Ion:330 Resp: 60602
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 38.8 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 5.063 ng
RT: 13.198 min Scan# 1685
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion:172 Resp: 267828
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 22.0 19.1 28.7

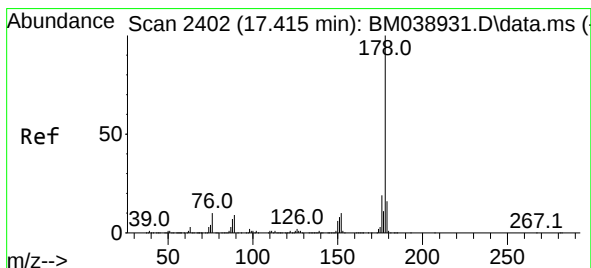
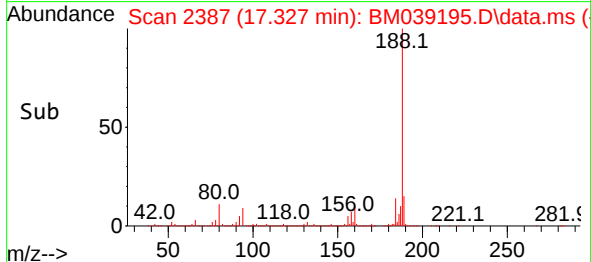
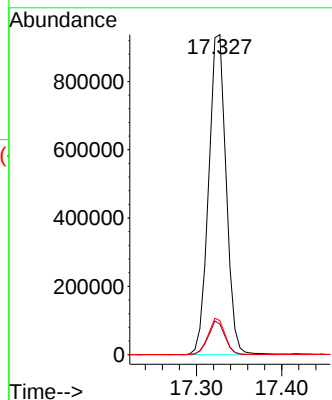
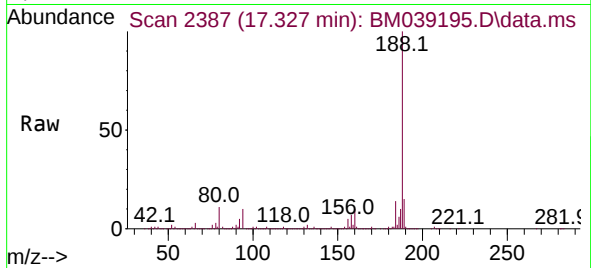




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

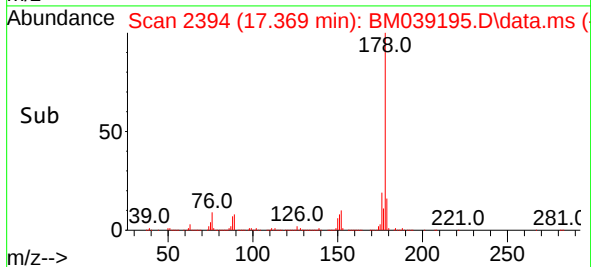
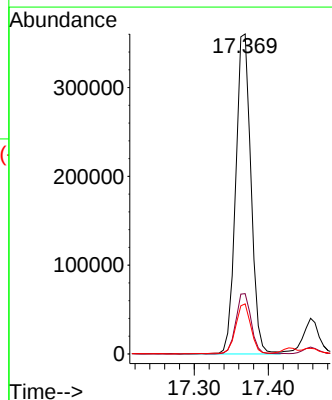
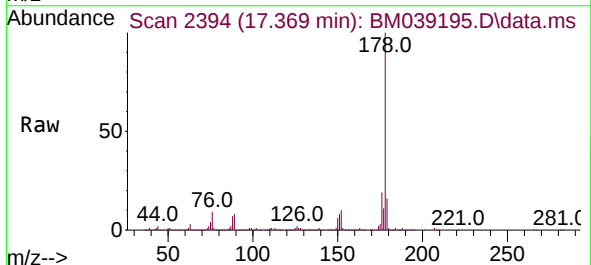
Instrument :
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ClientSampleId :
VNJ-224DL

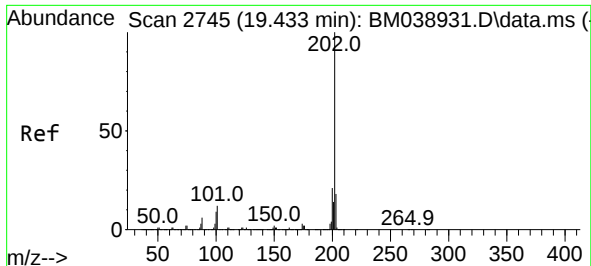
Tgt Ion:188 Resp: 1336458
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.6 8.5 12.7



#71
Phenanthrene
Concen: 6.542 ng
RT: 17.369 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion:178 Resp: 513174
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.6 12.5 18.7

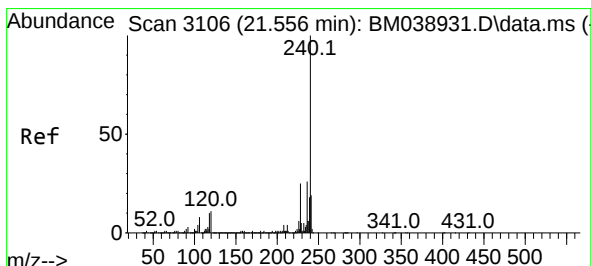
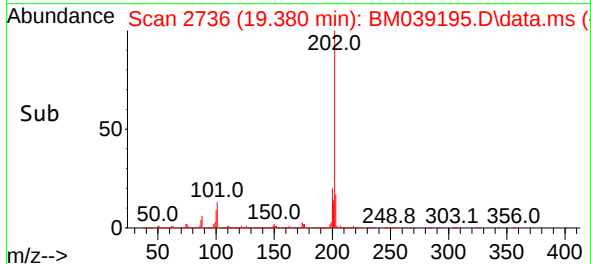
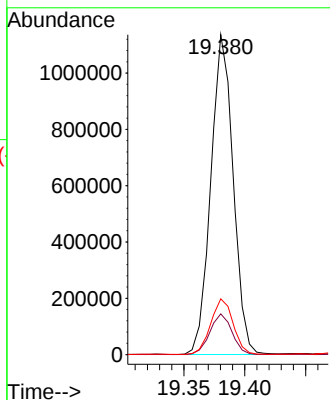
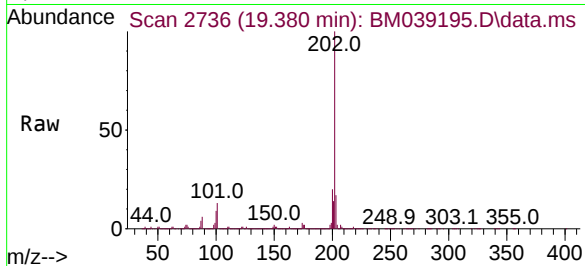




#75
Fluoranthene
Concen: 17.567 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

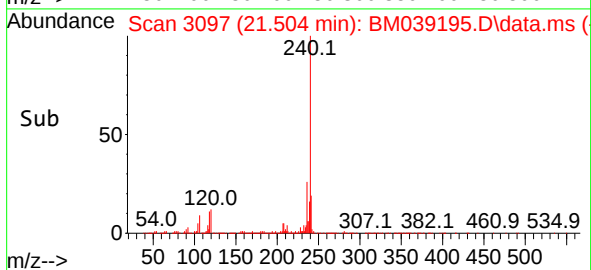
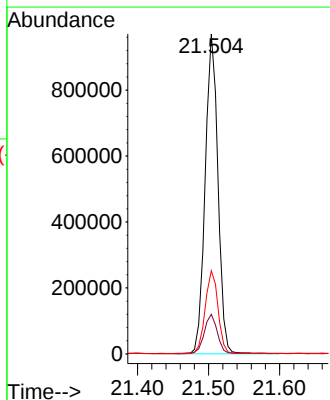
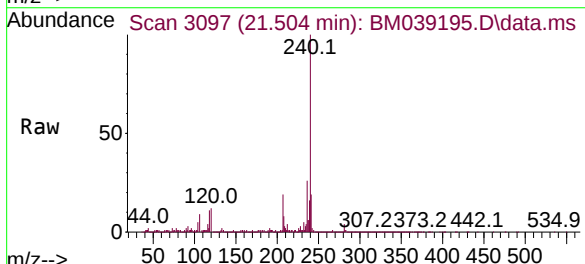
Instrument :
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VNJ-224DL

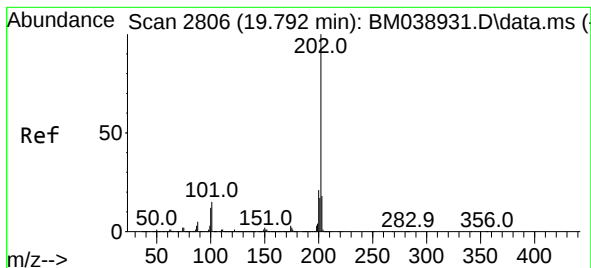
Tgt Ion:202 Resp: 1454873
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3097
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion:240 Resp: 1201387
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 26.0 20.8 31.2





#78

Pyrene

Concen: 12.226 ng

RT: 19.745 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

Instrument :

BNA_M

ClientSampleId :

VNJ-224DL

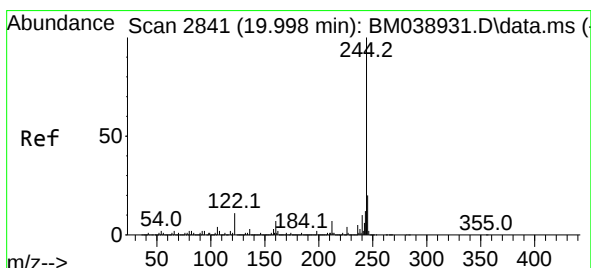
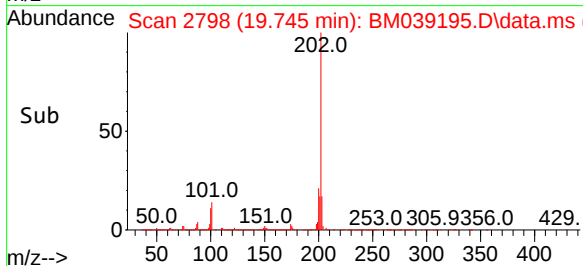
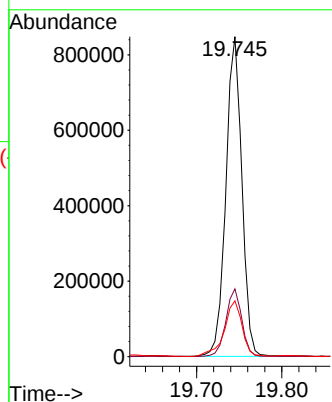
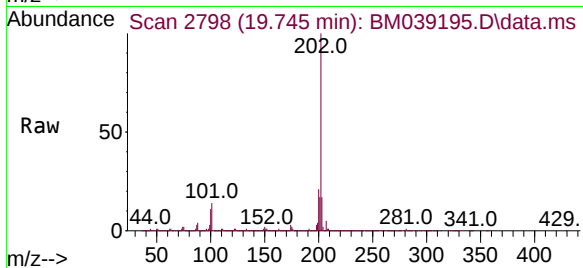
Tgt Ion:202 Resp: 1103226

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 4.670 ng

RT: 19.945 min Scan# 2832

Delta R.T. -0.005 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

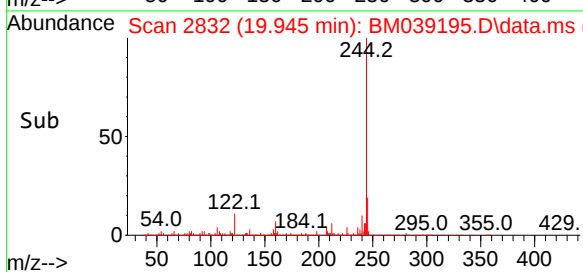
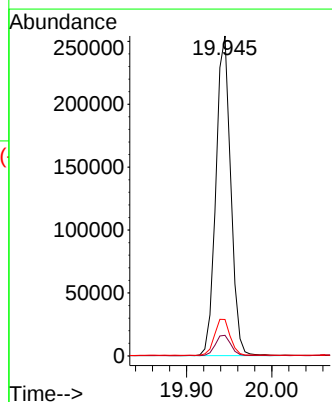
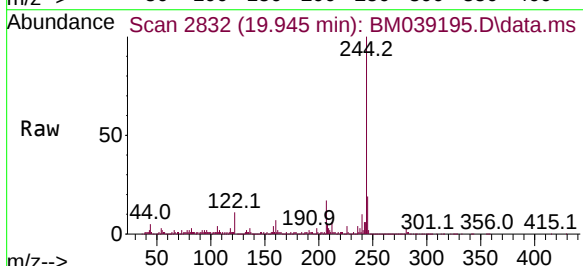
Tgt Ion:244 Resp: 306864

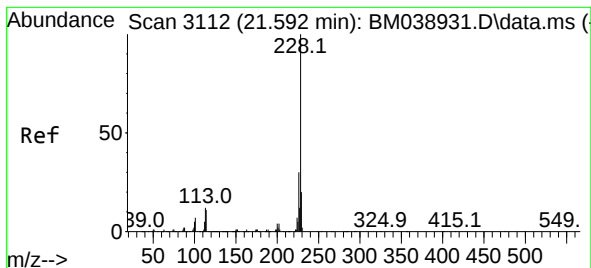
Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

122 11.4 9.0 13.4





#83

Chrysene

Concen: 5.893 ng

RT: 21.539 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

Instrument :

BNA_M

ClientSampleId :

VNJ-224DL

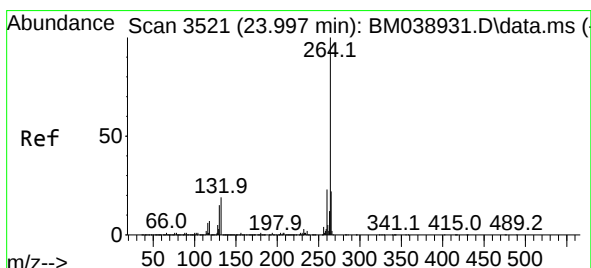
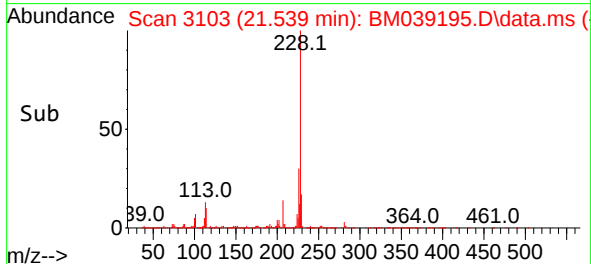
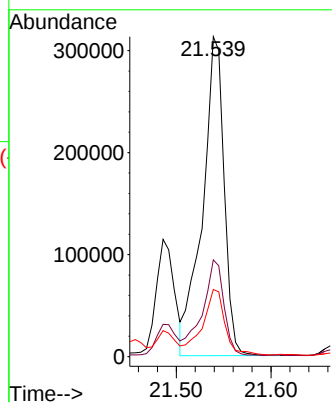
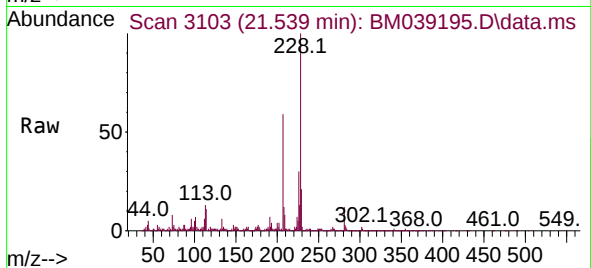
Tgt Ion:228 Resp: 495860

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 21.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3508

Delta R.T. -0.005 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

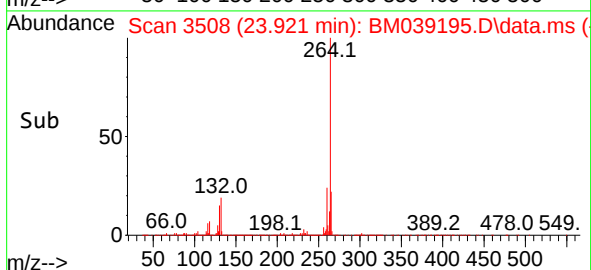
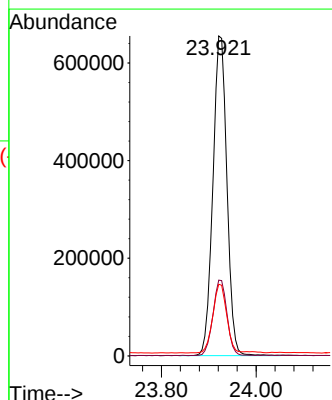
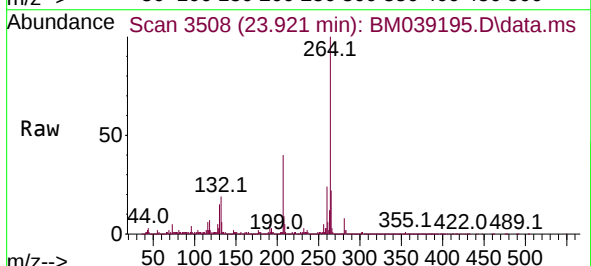
Tgt Ion:264 Resp: 1345030

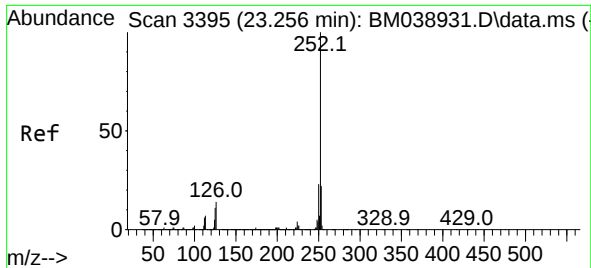
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

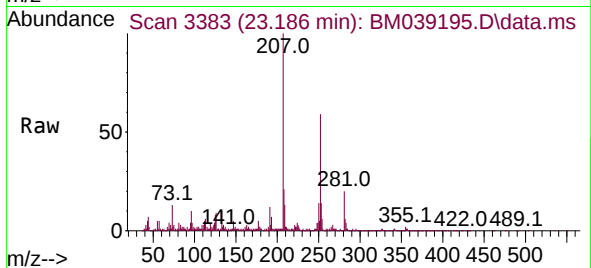
265 22.4 17.9 26.9





#88
Benzo(b)fluoranthene
Concen: 3.935 ng
RT: 23.186 min Scan# 33
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Instrument :
BNA_M
ClientSampleId :
VNJ-224DL



Tgt Ion:252 Resp: 338113
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 13.8 8.8 13.2#

