

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080522\
 Data File : BM036137.D
 Acq On : 06 Aug 2022 02:07
 Operator : CG/JU
 Sample : N4044-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-241

Quant Time: Aug 06 03:32:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 03:36:25 2022
 Response via : Initial Calibration

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

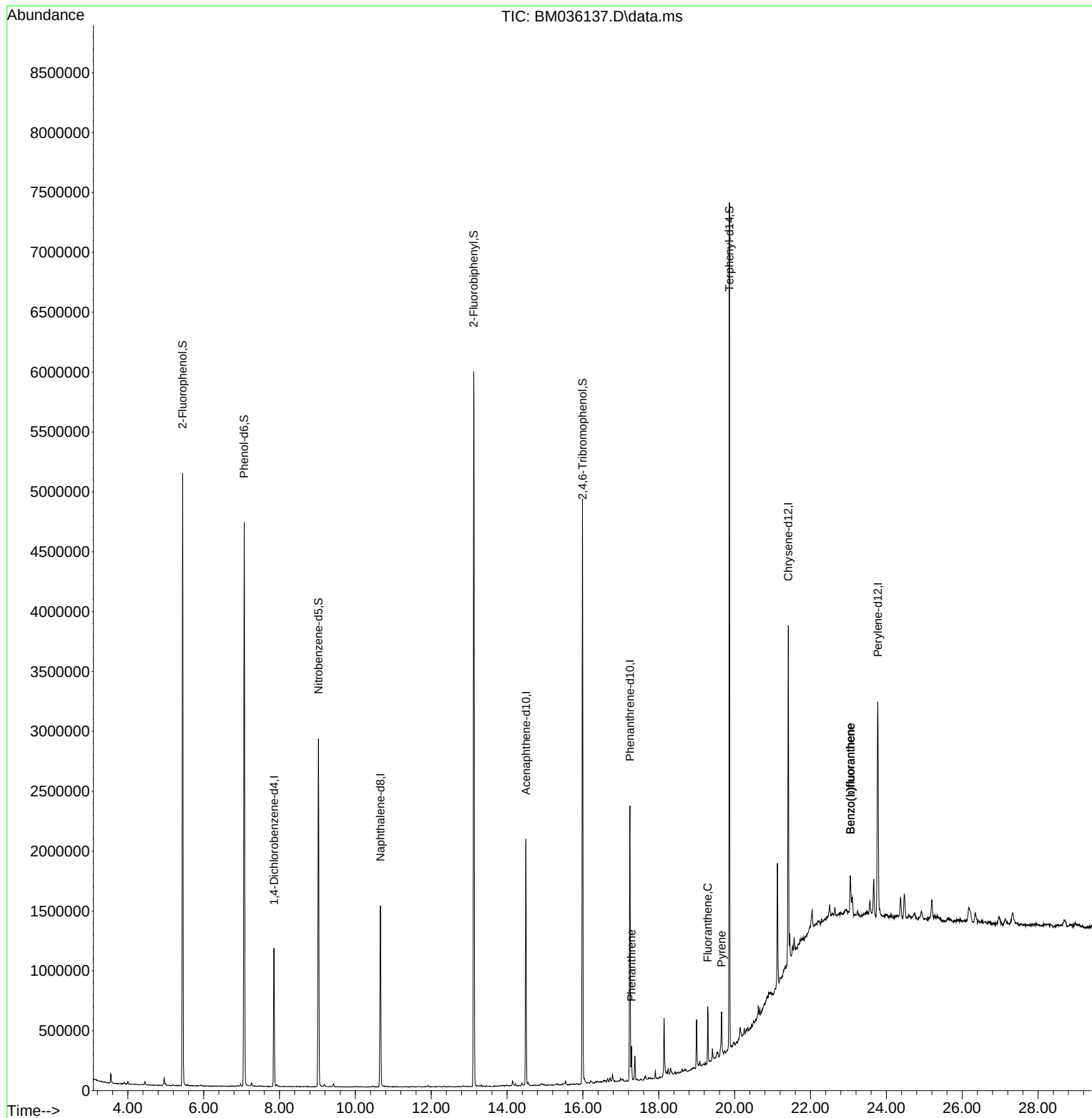
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	317607	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1283747	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	713088	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	1327606	20.000	ng	0.00
76) Chrysene-d12	21.415	240	1206370	20.000	ng	0.00
86) Perylene-d12	23.774	264	1280385	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2194964	112.044	ng	0.02
7) Phenol-d6	7.069	99	2678082	107.437	ng	0.04
23) Nitrobenzene-d5	9.028	82	1625770	70.891	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	884161	105.692	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	3023265	62.598	ng	0.00
79) Terphenyl-d14	19.862	244	3280669	53.640	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.280	178	163059	2.411	ng	100
75) Fluoranthene	19.292	202	255829	3.379	ng	97
78) Pyrene	19.657	202	214556	2.868	ng	99
88) Benzo(b)fluoranthene	23.056	252	161790	2.157	ng	# 88
89) Benzo(k)fluoranthene	23.056	252	161790	2.135	ng	# 88

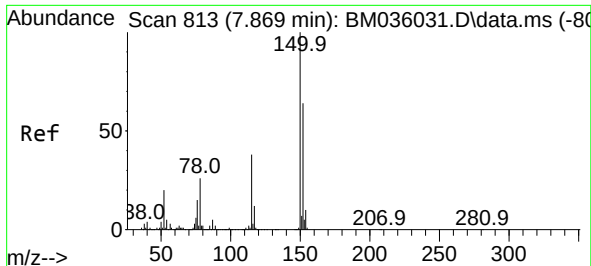
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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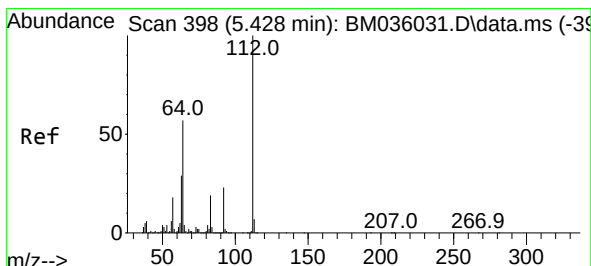
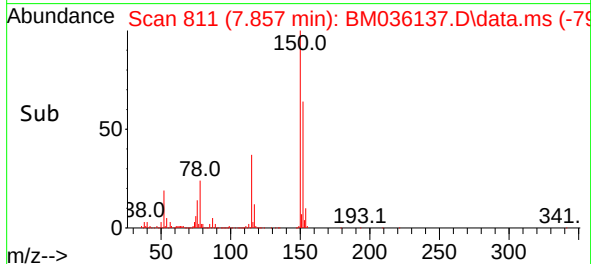
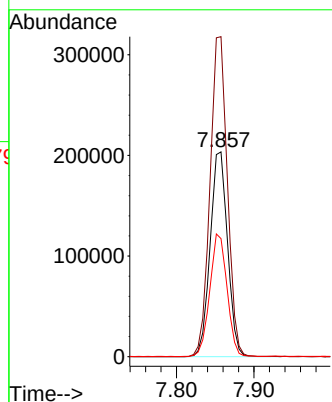
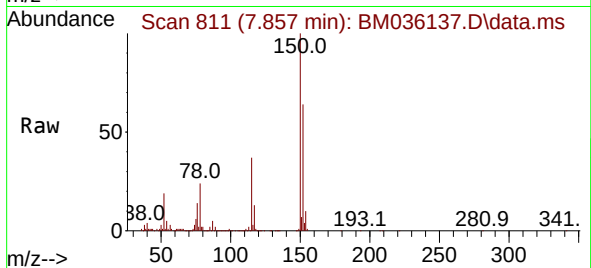




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

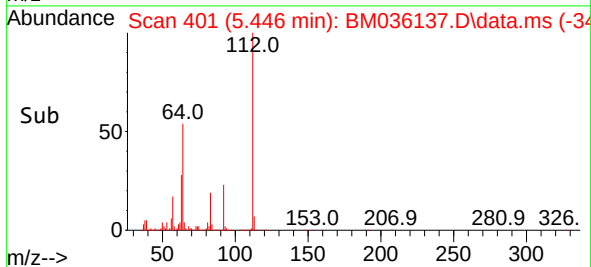
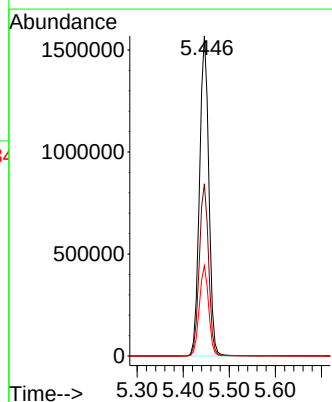
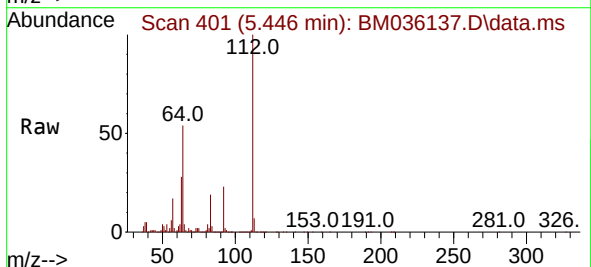
Instrument :
BNA_M
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VNJ-241

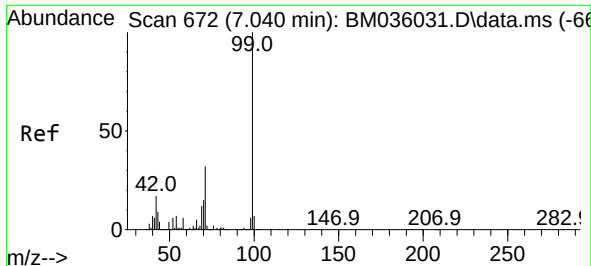
Tgt Ion:152 Resp: 317607
Ion Ratio Lower Upper
152 100
150 156.2 124.9 187.3
115 57.6 47.9 71.9



#5
2-Fluorophenol
Concen: 112.044 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.024 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:112 Resp: 2194964
Ion Ratio Lower Upper
112 100
64 53.8 47.8 71.6
63 28.2 26.6 40.0

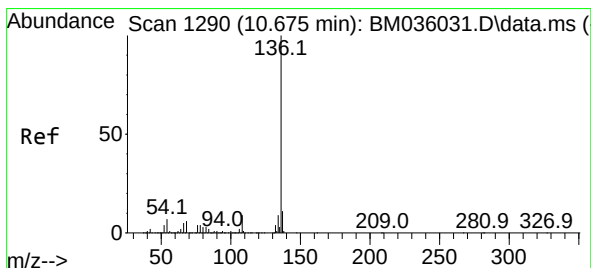
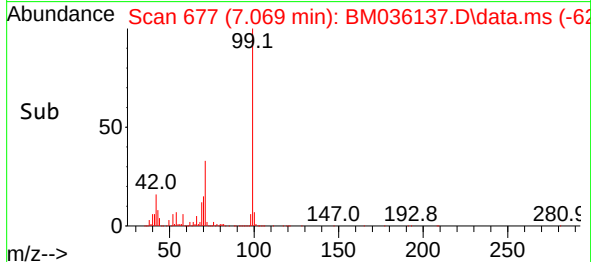
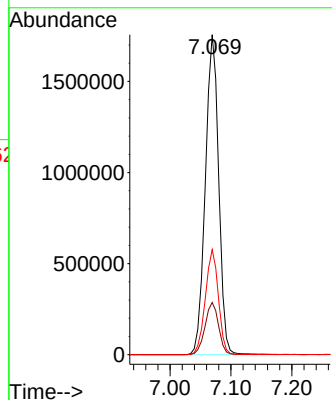
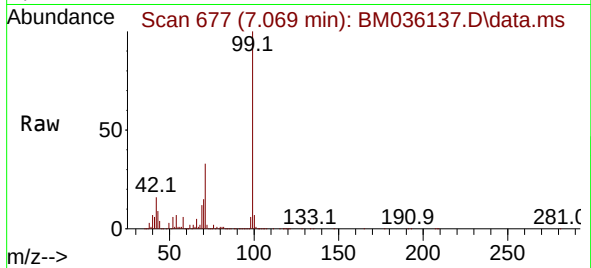




#7
Phenol-d6
Concen: 107.437 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.035 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

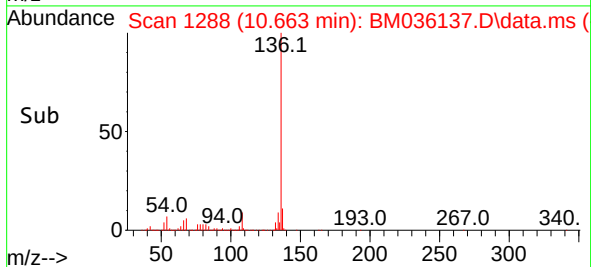
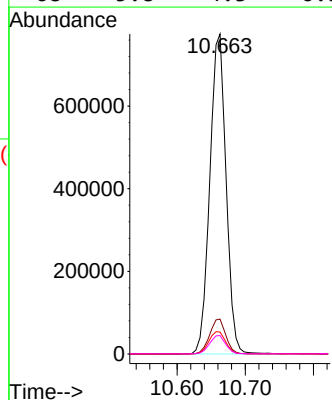
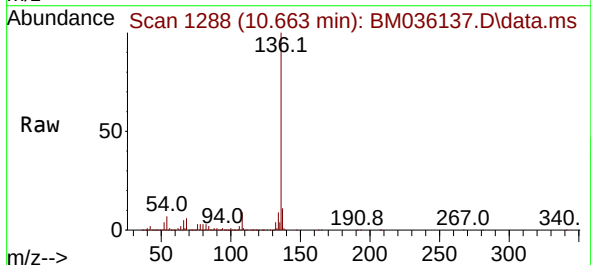
Instrument :
BNA_M
ClientSampleId :
VNJ-241

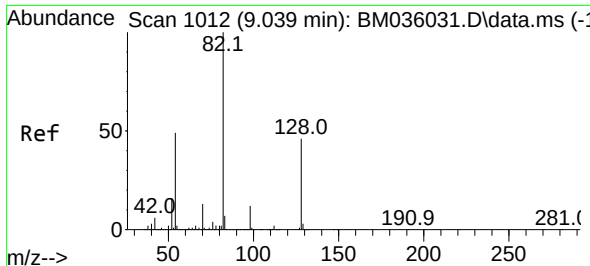
Tgt Ion: 99 Resp: 2678082
Ion Ratio Lower Upper
99 100
42 16.3 18.8 28.2#
71 32.8 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion: 136 Resp: 1283747
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.9 7.0 10.4#
68 5.8 4.3 6.5

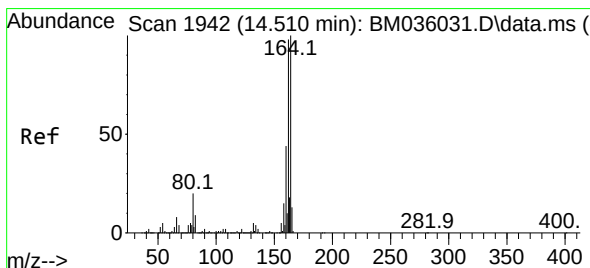
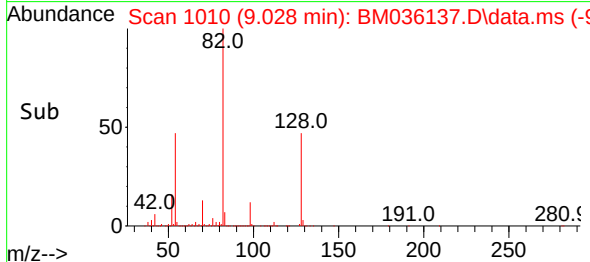
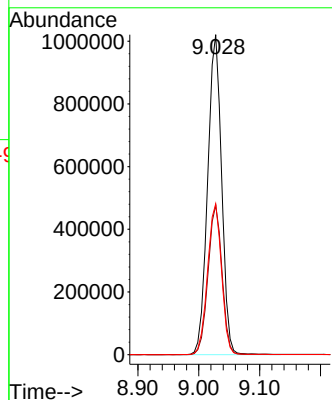
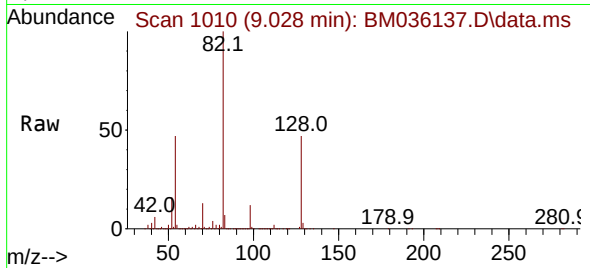




#23
Nitrobenzene-d5
Concen: 70.891 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

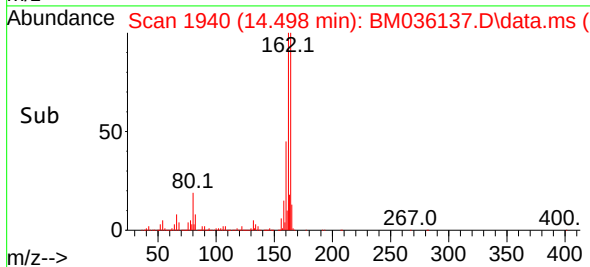
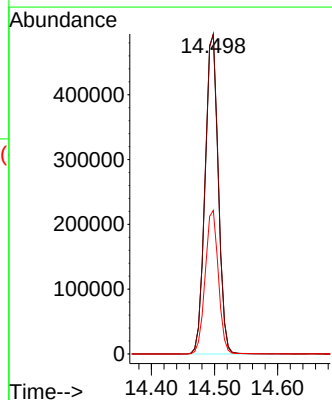
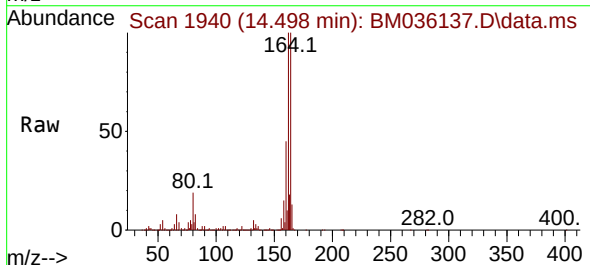
Instrument :
BNA_M
ClientSampleId :
VNJ-241

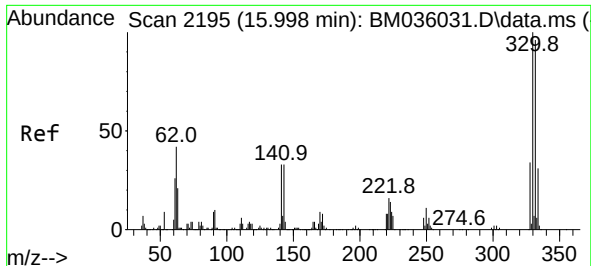
Tgt Ion: 82 Resp: 1625770
Ion Ratio Lower Upper
82 100
128 46.7 33.7 50.5
54 47.2 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:164 Resp: 713088
Ion Ratio Lower Upper
164 100
162 100.3 83.0 124.6
160 45.0 37.0 55.4

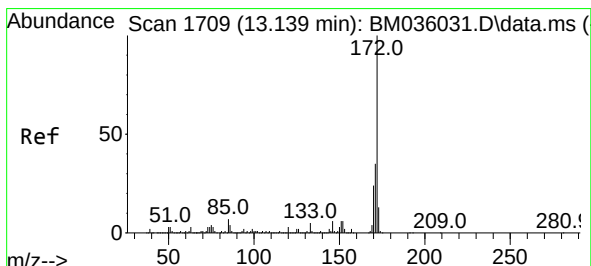
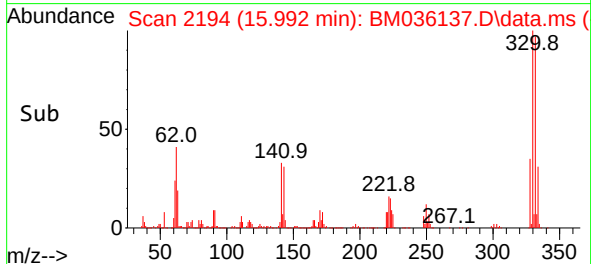
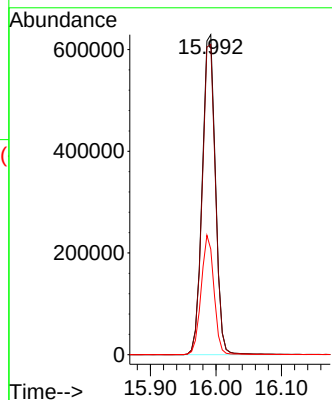
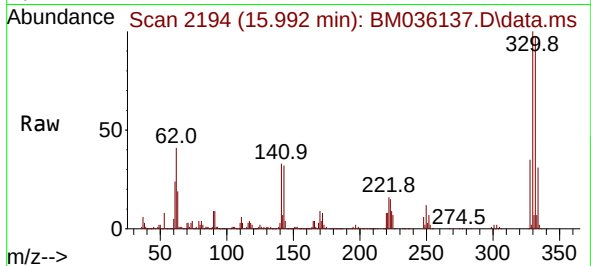




#42
2,4,6-Tribromophenol
Concen: 105.692 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

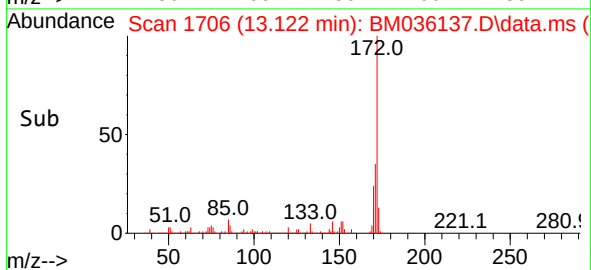
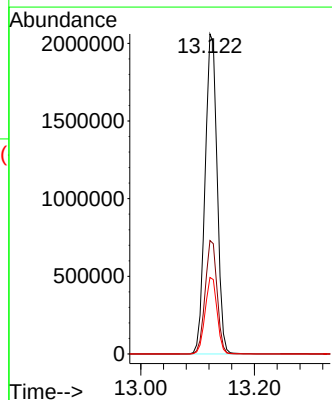
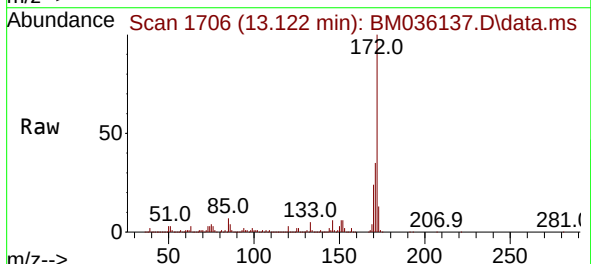
Instrument :
BNA_M
ClientSampleId :
VNJ-241

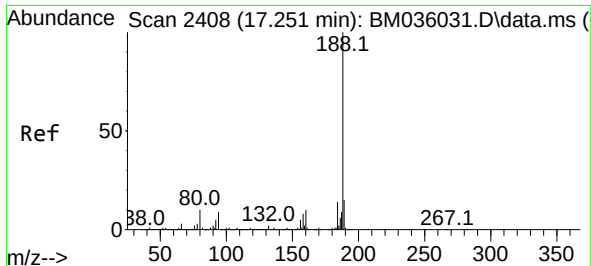
Tgt Ion:330 Resp: 884161
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.4
141 36.1 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 62.598 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:172 Resp: 3023265
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.9 18.7 28.1

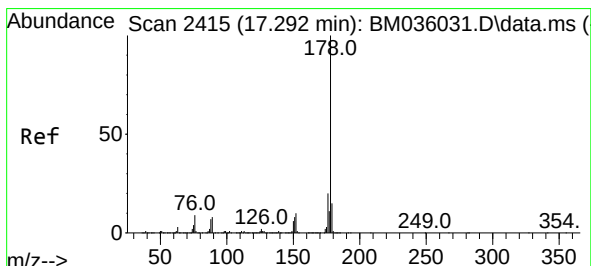
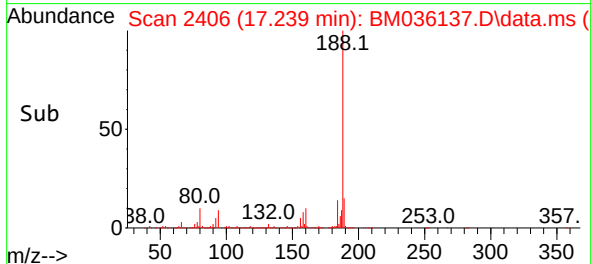
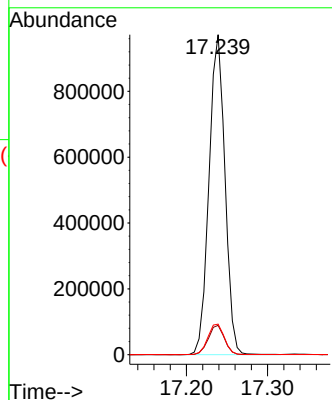
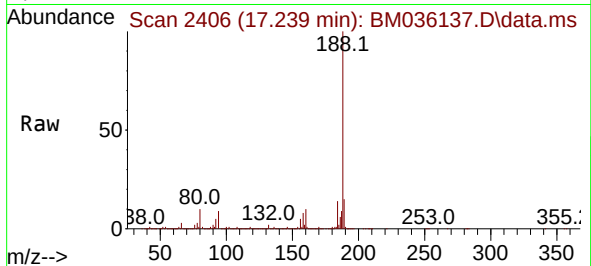




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

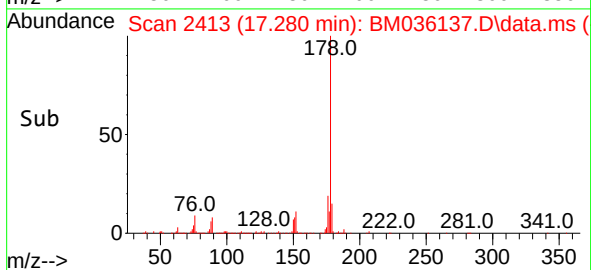
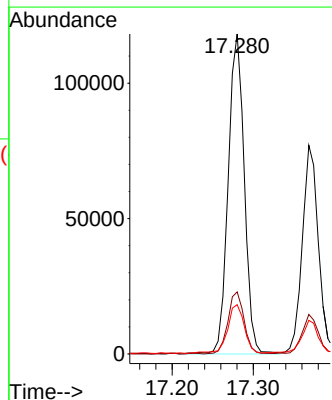
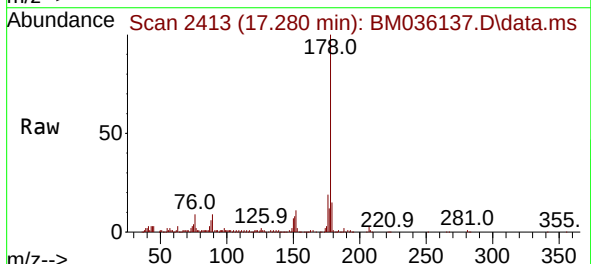
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VNJ-241

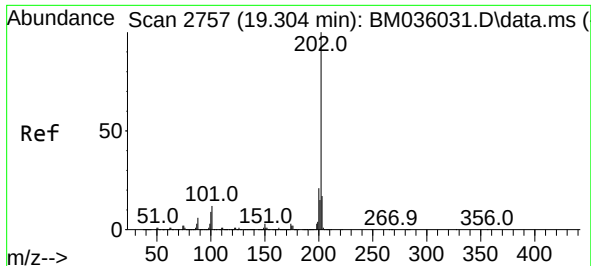
Tgt Ion:188 Resp: 1327606
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.6 7.6 11.4



#71
Phenanthrene
Concen: 2.411 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:178 Resp: 163059
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6

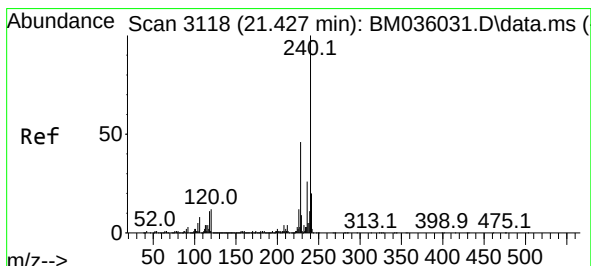
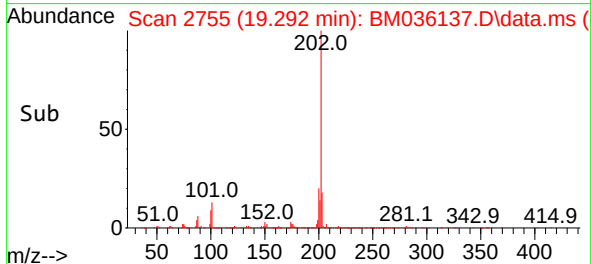
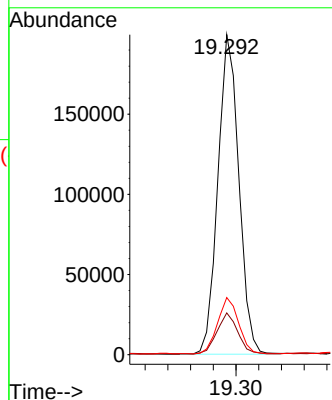
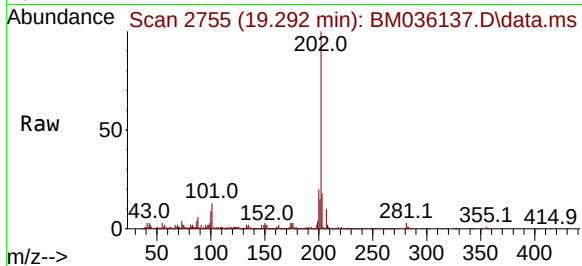




#75
Fluoranthene
Concen: 3.379 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

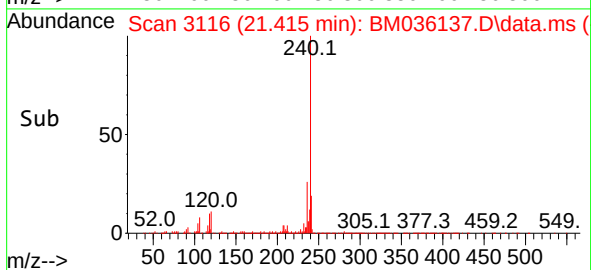
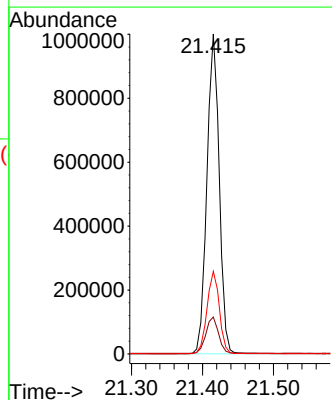
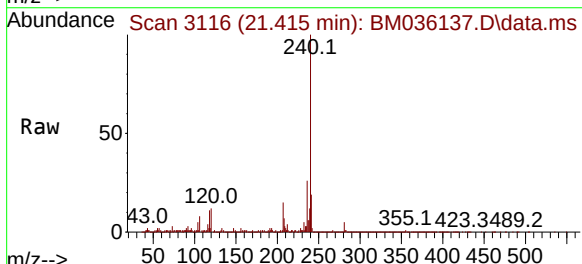
Instrument :
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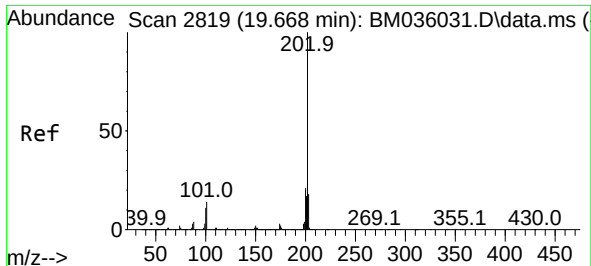
Tgt Ion:202 Resp: 255829
Ion Ratio Lower Upper
202 100
101 13.1 0.0 30.6
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:240 Resp: 1206370
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.0
236 25.8 20.6 30.8

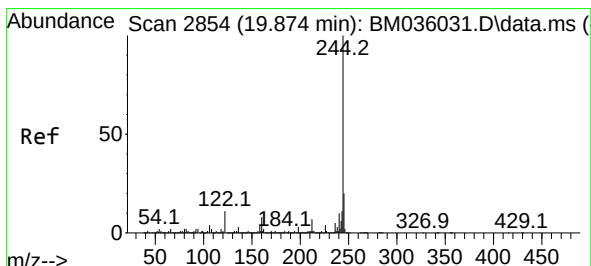
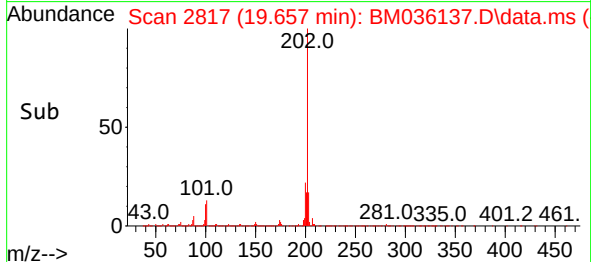
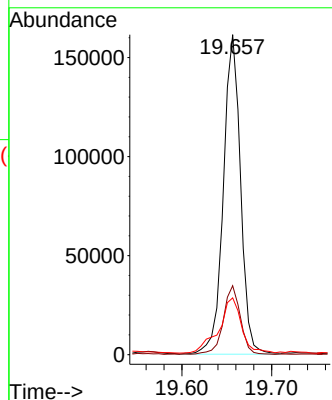
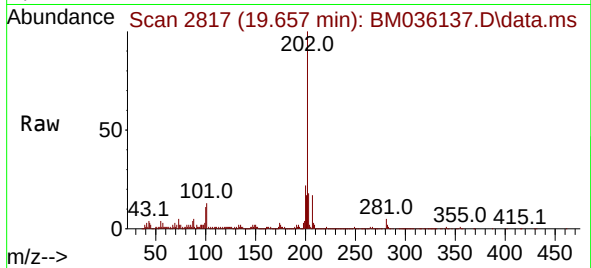




#78
 Pyrene
 Concen: 2.868 ng
 RT: 19.657 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: BM036137.D
 Acq: 06 Aug 2022 02:07

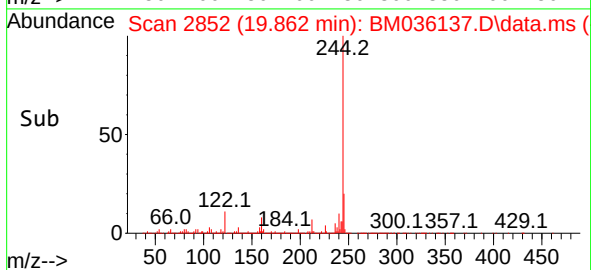
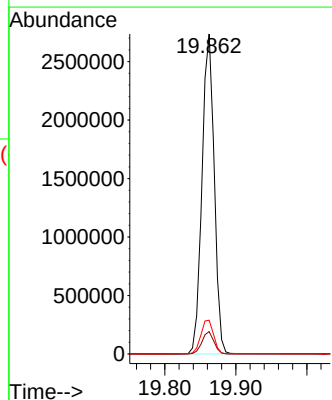
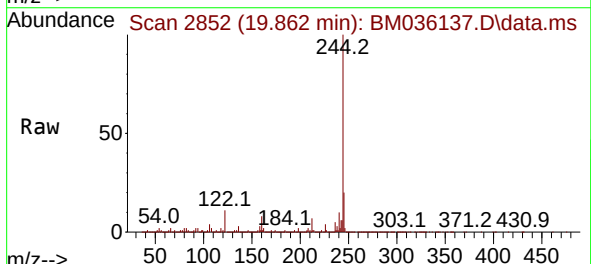
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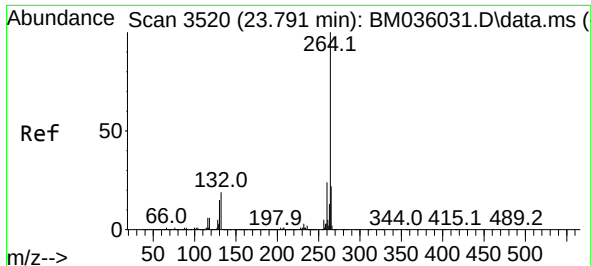
Tgt Ion:202 Resp: 214556
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.7 25.1
 203 17.8 13.9 20.9



#79
 Terphenyl-d14
 Concen: 53.640 ng
 RT: 19.862 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BM036137.D
 Acq: 06 Aug 2022 02:07

Tgt Ion:244 Resp: 3280669
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.4
 122 10.6 8.3 12.5

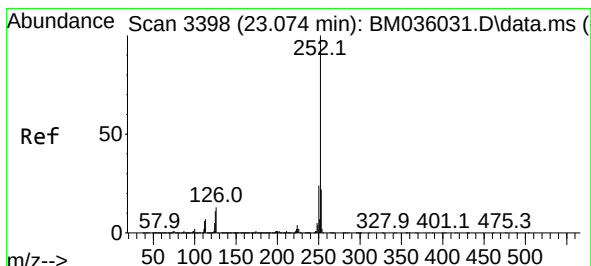
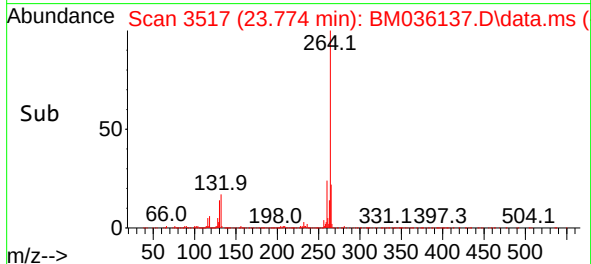
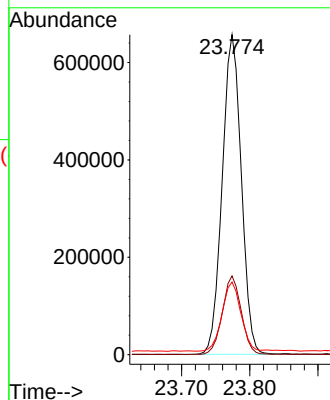
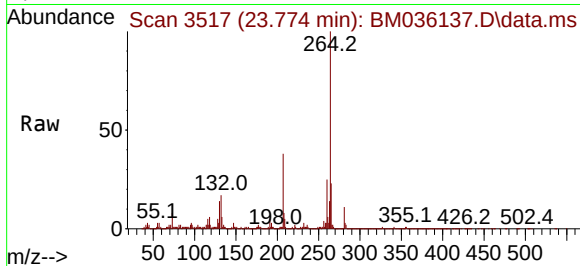




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

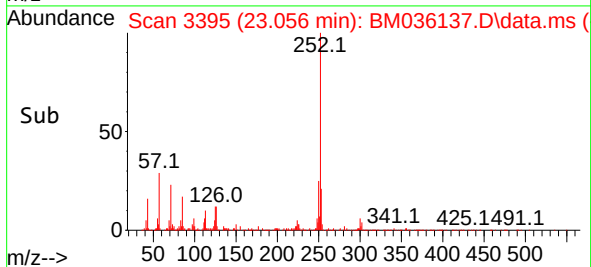
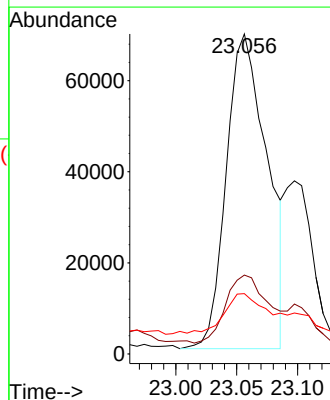
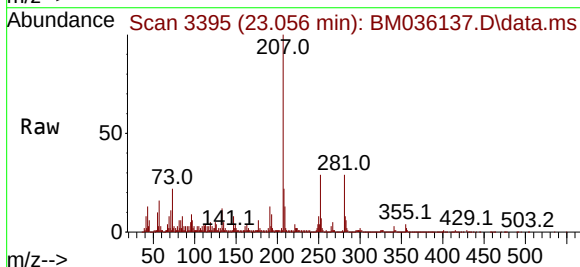
Instrument :
BNA_M
ClientSampleId :
VNJ-241

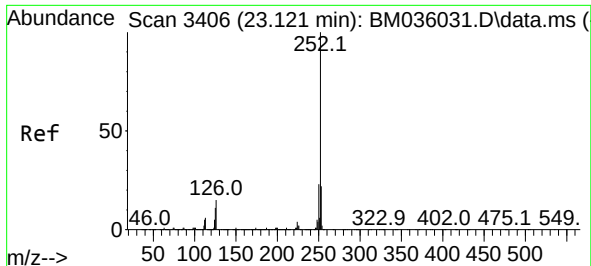
Tgt Ion:264 Resp: 1280385
Ion Ratio Lower Upper
264 100
260 24.6 18.9 28.3
265 22.7 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 2.157 ng
RT: 23.056 min Scan# 3395
Delta R.T. -0.012 min
Lab File: BM036137.D
Acq: 06 Aug 2022 02:07

Tgt Ion:252 Resp: 161790
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 18.9 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 2.135 ng

RT: 23.056 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM036137.D

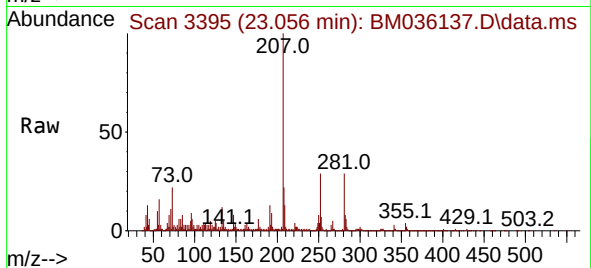
Acq: 06 Aug 2022 02:07

Instrument :

BNA_M

ClientSampleId :

VNJ-241



Tgt Ion:252 Resp: 161790

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 18.9 7.6 11.4#

