

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)

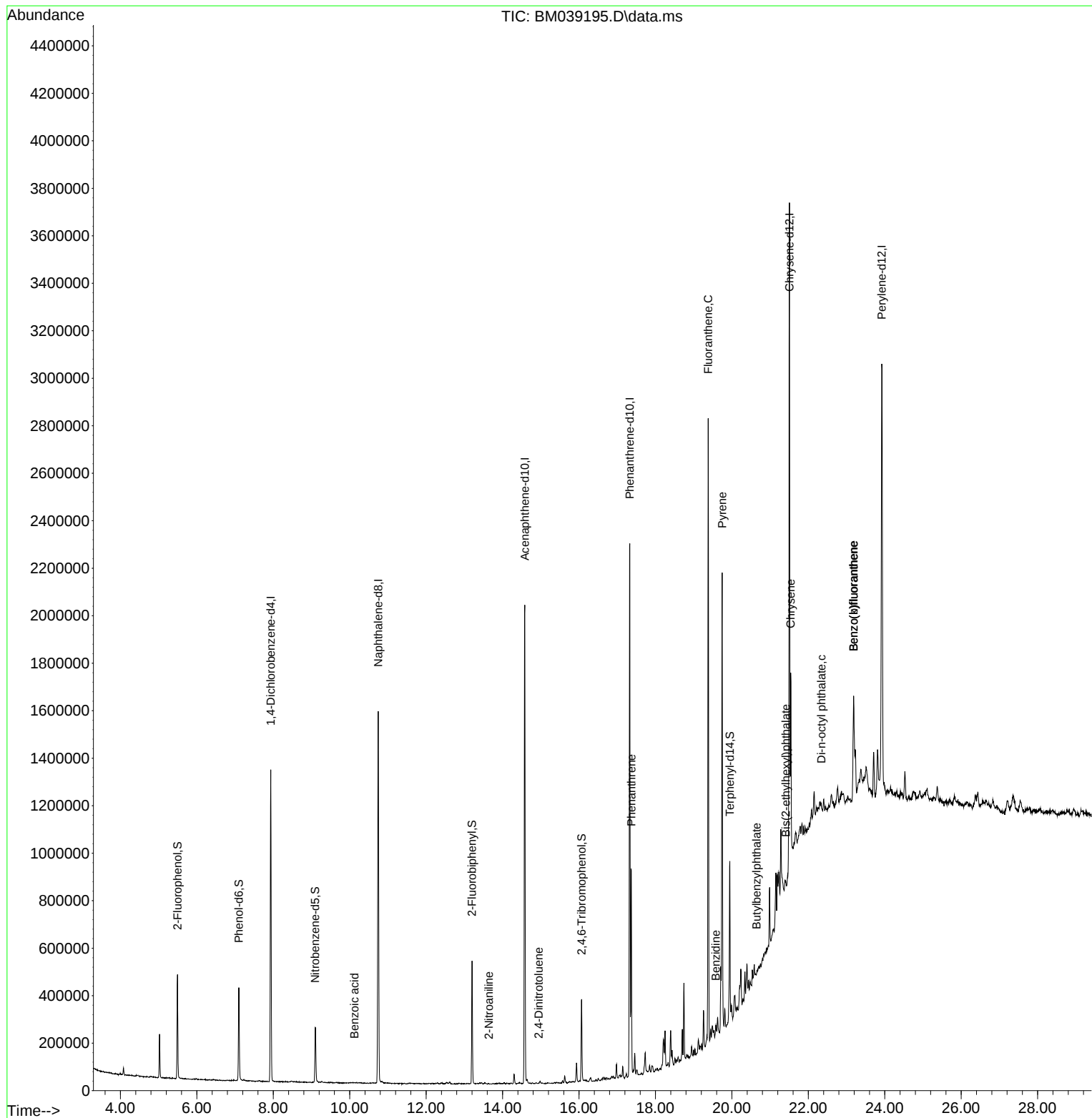
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	337425	20.000	ng	0.00
21) Naphthalene-d8	10.746	136	1309230	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	688647	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1336458	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1201387	20.000	ng	0.00
86) Perylene-d12	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	
32) Benzoic acid	10.122	122	396	5.755	ng	# 26
48) 2-Nitroaniline	13.639	65	280	2.234	ng	# 33
57) 2,4-Dinitrotoluene	14.945	165	258	2.087	ng	# 75
71) Phenanthrene	17.369	178	513174	6.542	ng	99
75) Fluoranthene	19.380	202	1454873	17.567	ng	99
77) Benzidine	19.580	184	752	4.901	ng	# 1
78) Pyrene	19.745	202	1103226	12.226	ng	100
80) Butylbenzylphthalate	20.645	149	1185	3.345	ng	# 92
83) Chrysene	21.539	228	495860	5.893	ng	99
84) Bis(2-ethylhexyl)phtha...	21.410	149	10025	2.656	ng	# 97
85) Di-n-octyl phthalate	22.345	149	705	3.804	ng	# 1
88) Benzo(b)fluoranthene	23.186	252	338113	3.935	ng	# 95
89) Benzo(k)fluoranthene	23.186	252	338113	3.781	ng	# 95

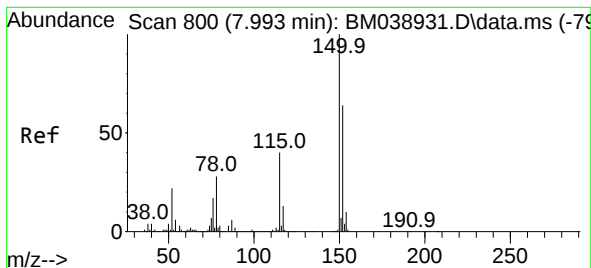
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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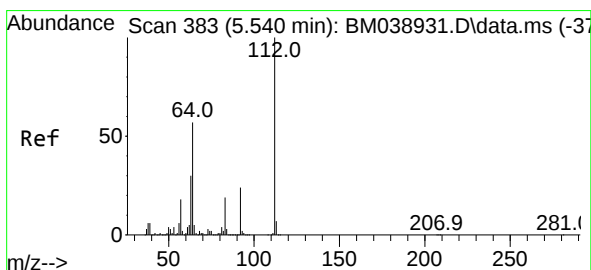
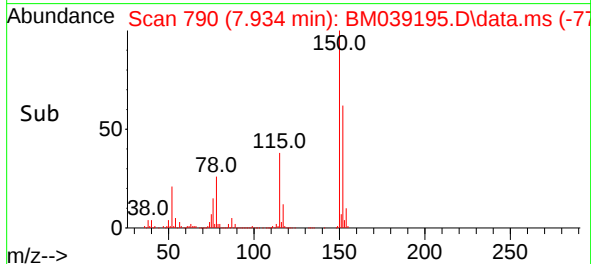
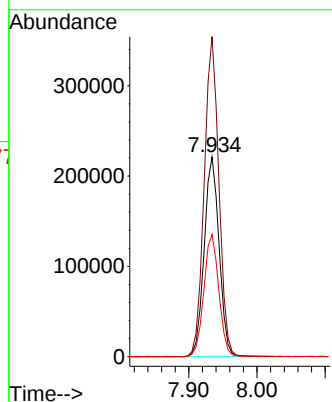
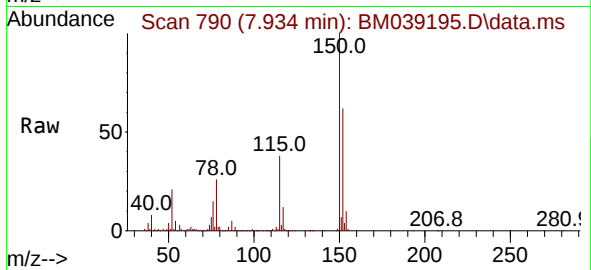




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.934 min Scan# 799
 Delta R.T. -0.005 min
 Lab File: BM039195.D
 Acq: 29 Mar 2023 00:39

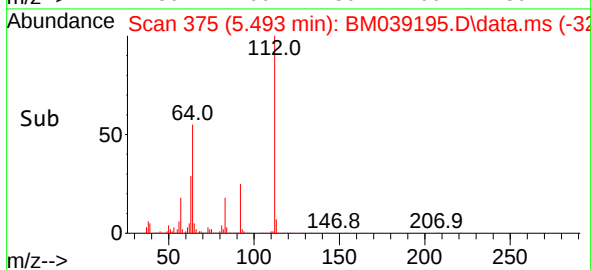
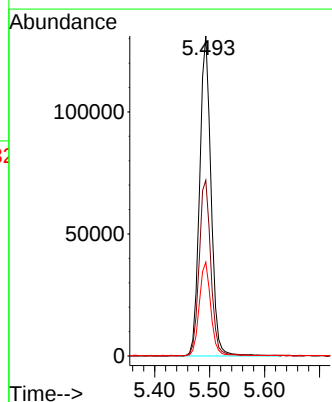
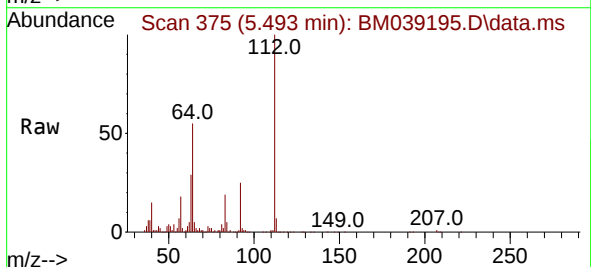
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224DL

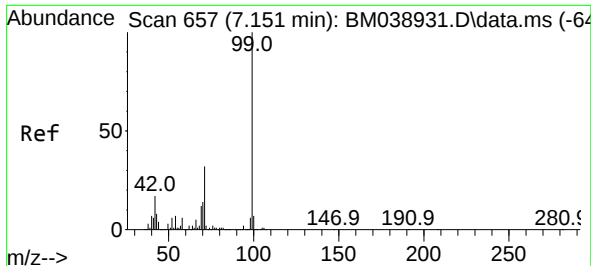
Tgt Ion:152 Resp: 337425
 Ion Ratio Lower Upper
 152 100
 150 160.3 125.1 187.7
 115 61.2 49.6 74.4



#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

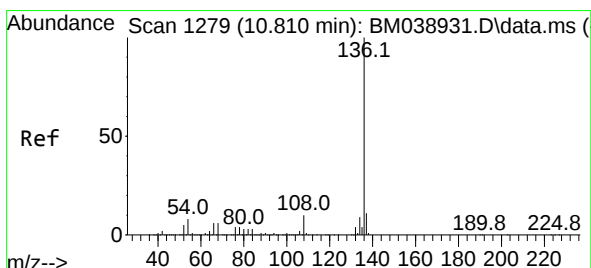
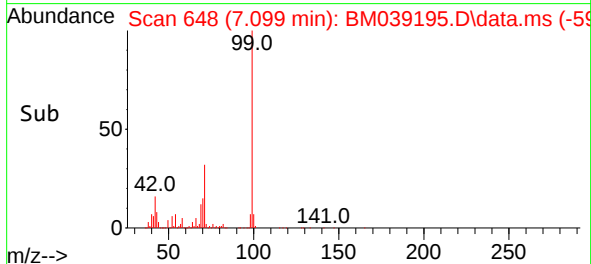
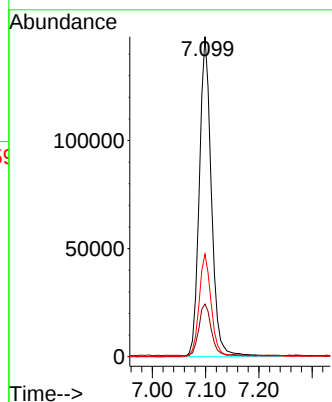
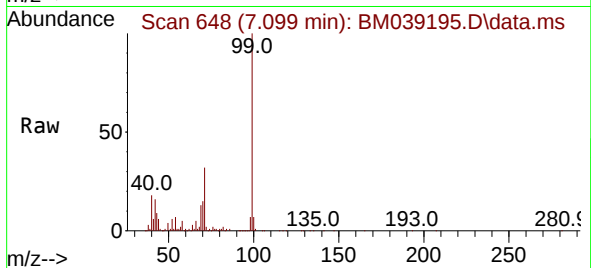




#7
Phenol-d6
Concen: 8.114 ng
RT: 7.099 min Scan# 64
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

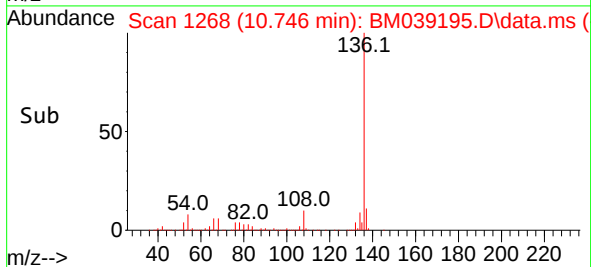
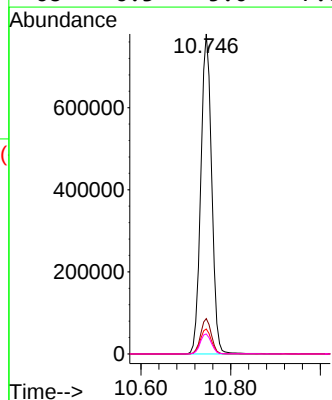
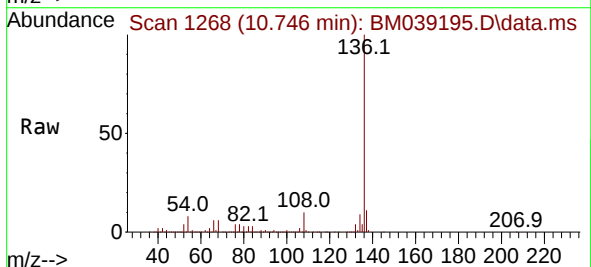
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

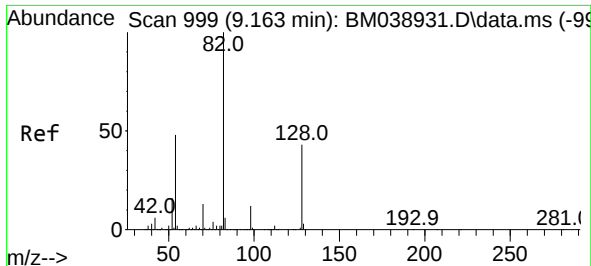
Tgt Ion: 99 Resp: 234072
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 32.0 25.6 38.4



#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

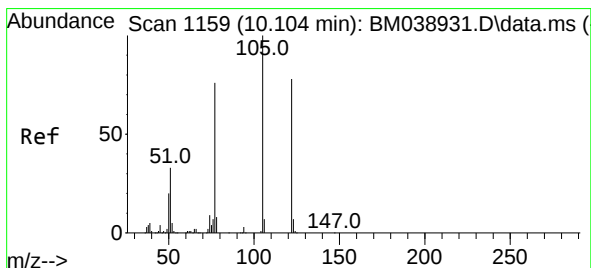
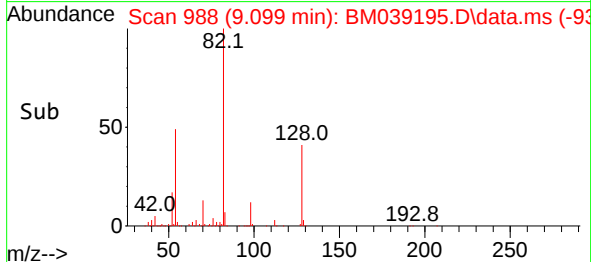
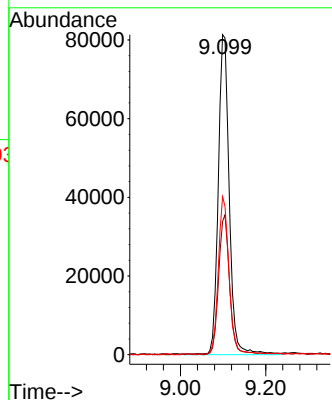
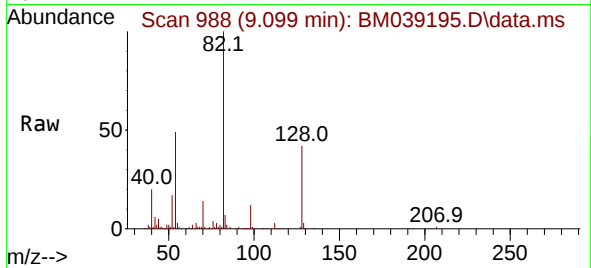




#23
Nitrobenzene-d5
Concen: 5.478 ng
RT: 9.099 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

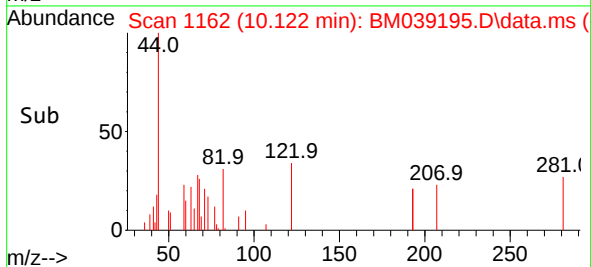
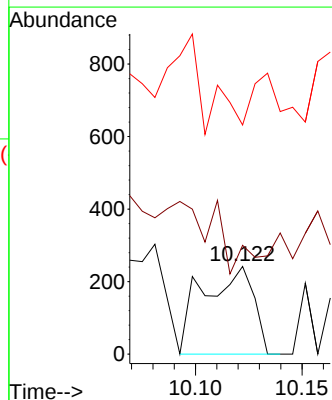
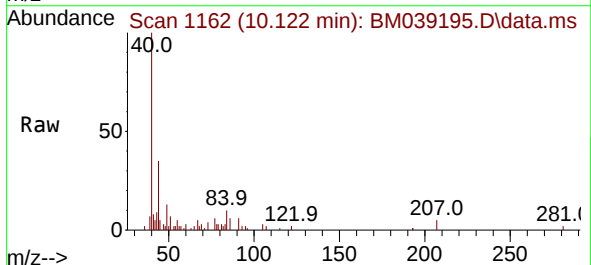
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

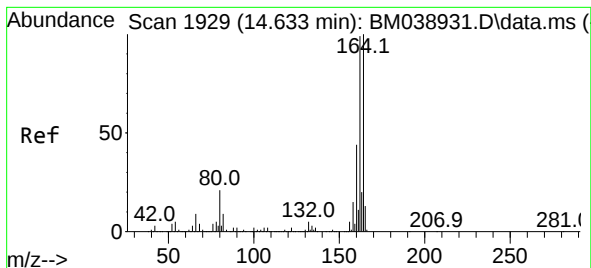
Tgt Ion: 82 Resp: 146002
Ion Ratio Lower Upper
82 100
128 41.7 34.4 51.6
54 49.3 38.8 58.2



#32
Benzoic acid
Concen: 5.755 ng
RT: 10.122 min Scan# 1162
Delta R.T. 0.024 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion: 122 Resp: 396
Ion Ratio Lower Upper
122 100
105 124.0 104.2 144.2
77 261.2 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.581 min Scan# 1929

Delta R.T. -0.005 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

Instrument :

BNA_M

ClientSampleId :

VNJ-224DL

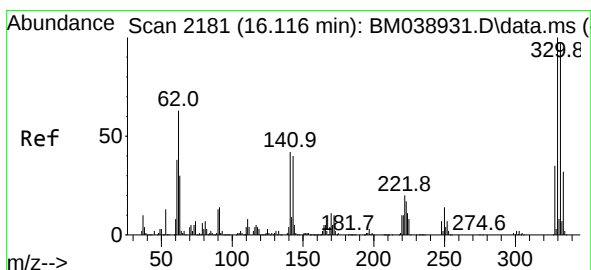
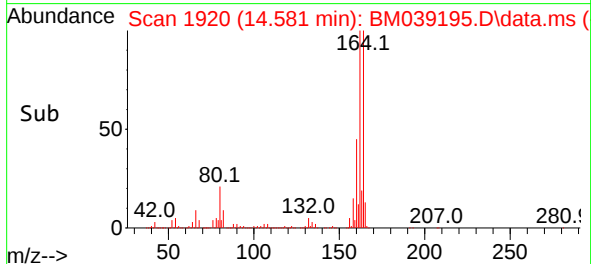
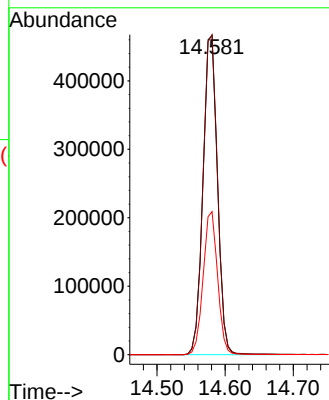
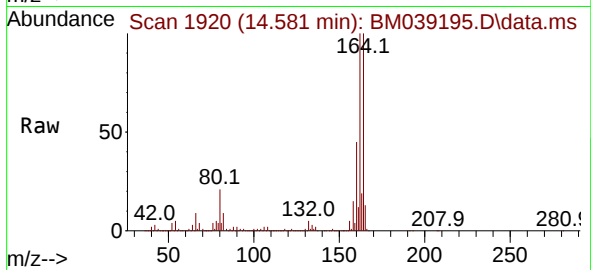
Tgt Ion:164 Resp: 688647

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# 2173

Delta R.T. -0.005 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

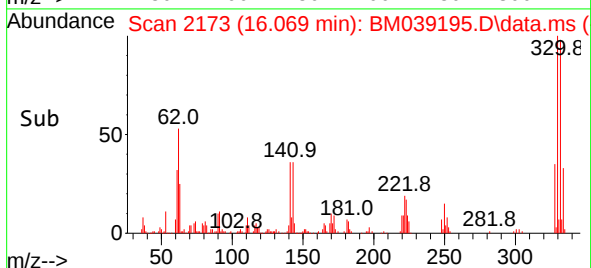
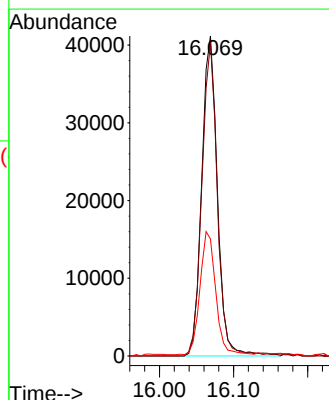
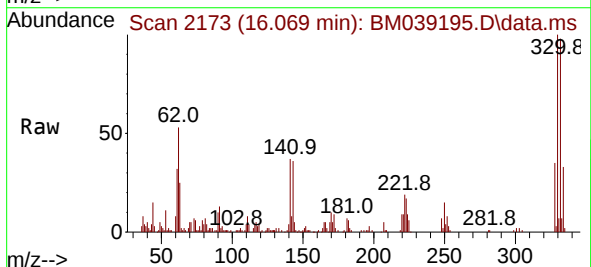
Tgt Ion:330 Resp: 60602

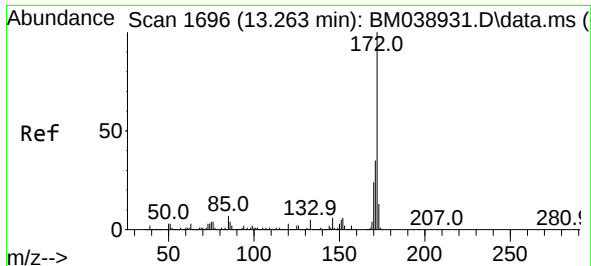
Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 38.8 32.2 48.4

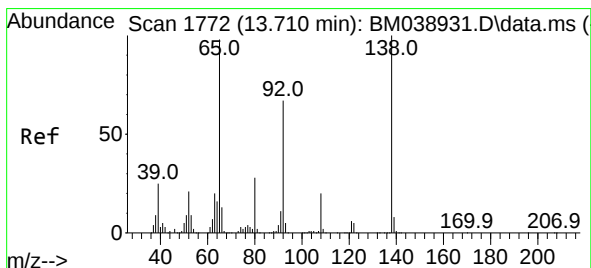
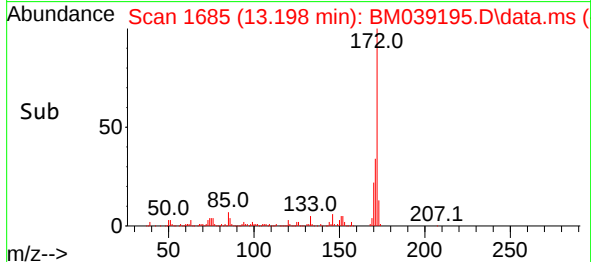
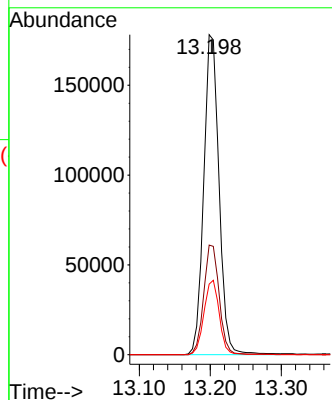
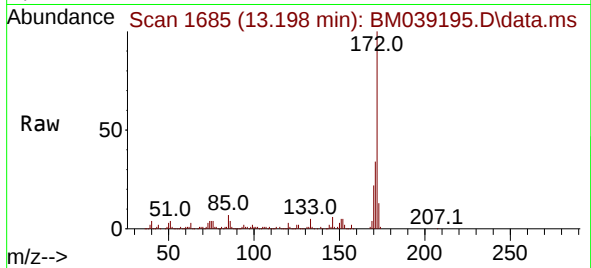




#45
2-Fluorobiphenyl
Concen: 5.063 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

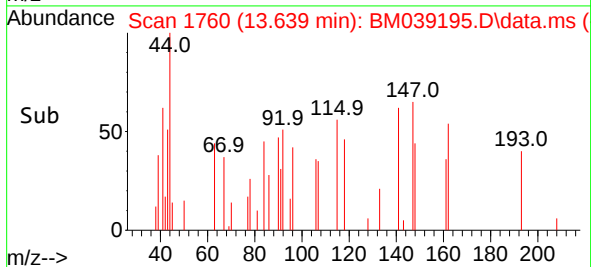
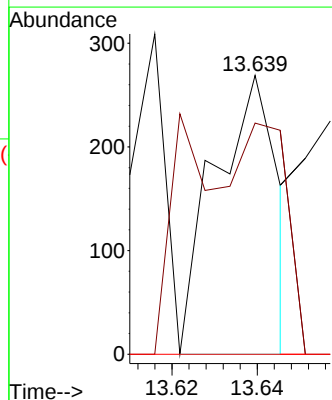
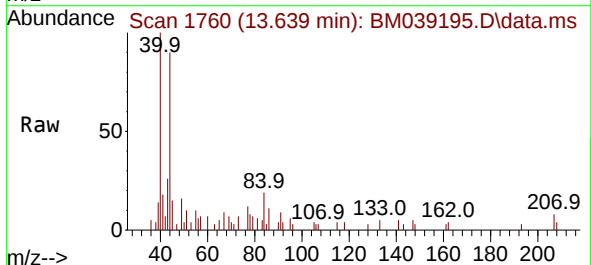
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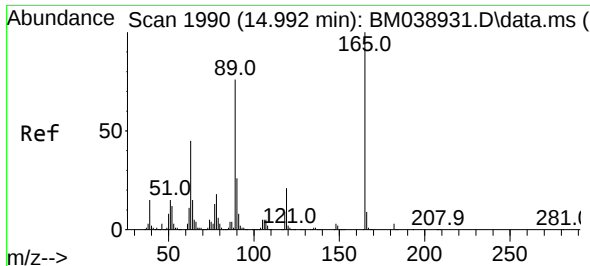
Tgt Ion:172 Resp: 267828
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 22.0 19.1 28.7



#48
2-Nitroaniline
Concen: 2.234 ng
RT: 13.639 min Scan# 1760
Delta R.T. -0.029 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion: 65 Resp: 280
Ion Ratio Lower Upper
65 100
92 82.9 54.9 82.3#
138 0.0 81.6 122.4#

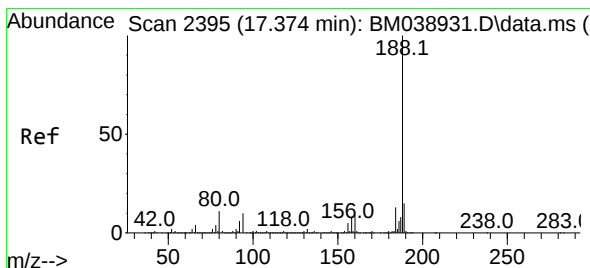
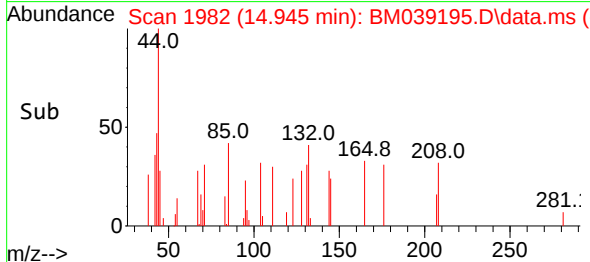
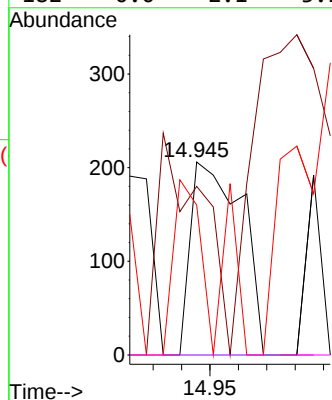
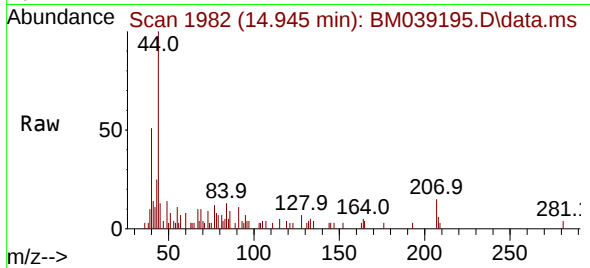




#57
2,4-Dinitrotoluene
Concen: 2.087 ng
RT: 14.945 min Scan# 1990
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

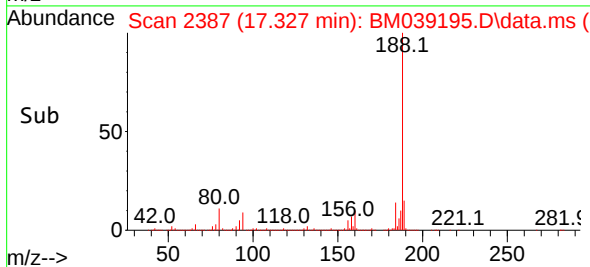
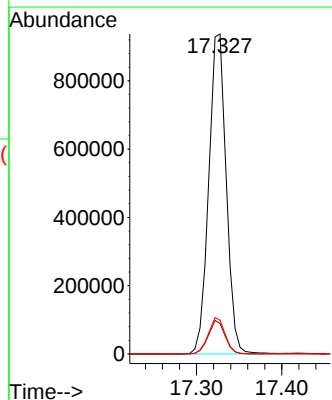
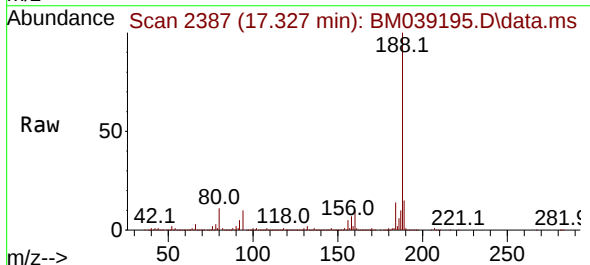
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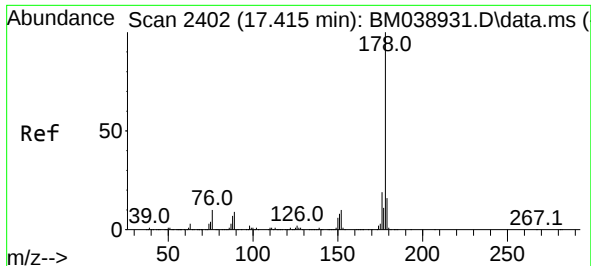
Tgt Ion:165 Resp: 258
Ion Ratio Lower Upper
165 100
63 87.4 35.9 53.9#
89 77.7 61.0 91.6
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

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

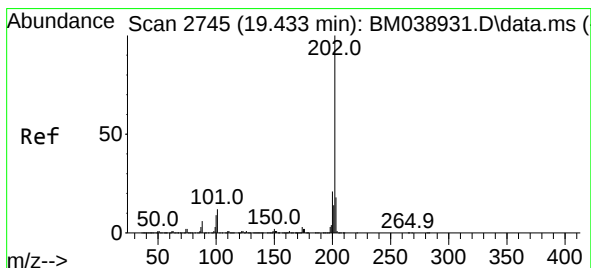
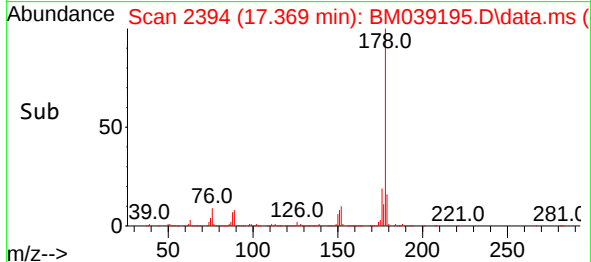
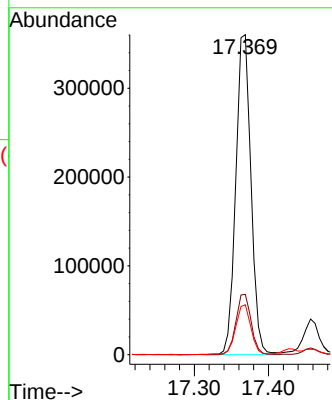
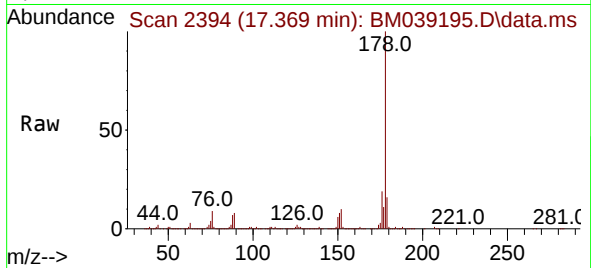




#71
Phenanthrene
Concen: 6.542 ng
RT: 17.369 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

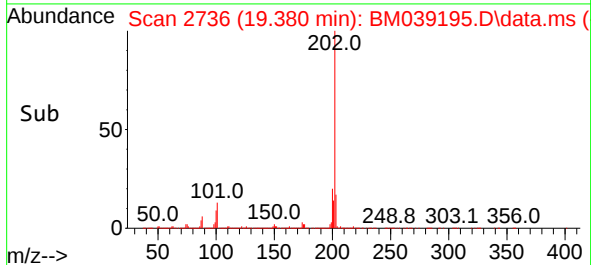
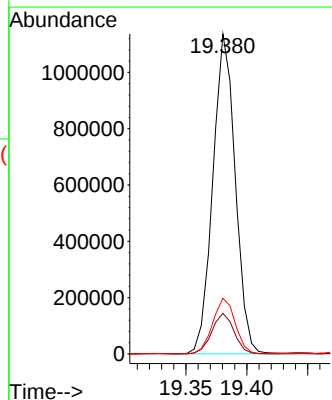
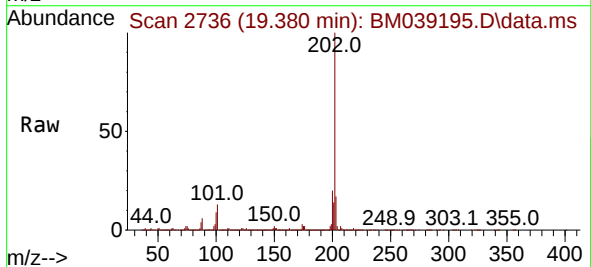
Instrument :
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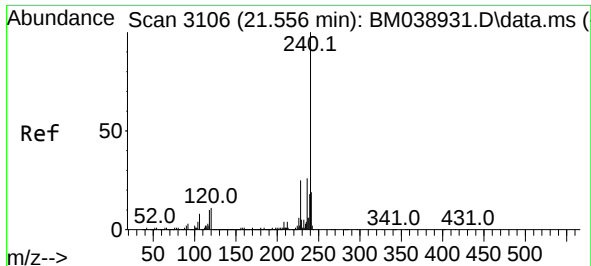
Tgt Ion:178 Resp: 513174
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.6 12.5 18.7



#75
Fluoranthene
Concen: 17.567 ng
RT: 19.380 min Scan# 2736
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

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

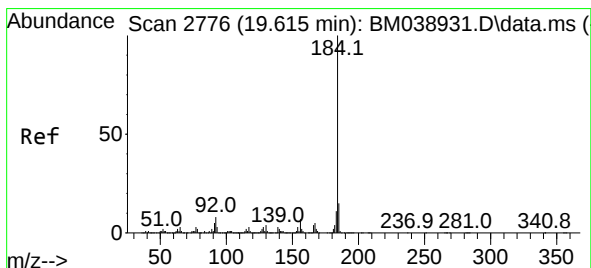
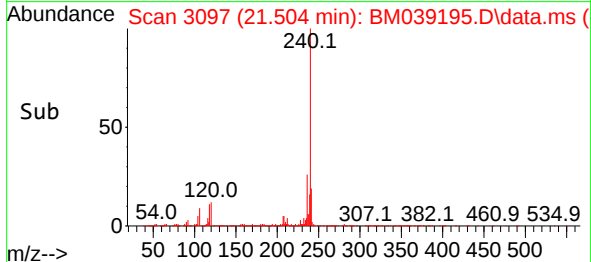
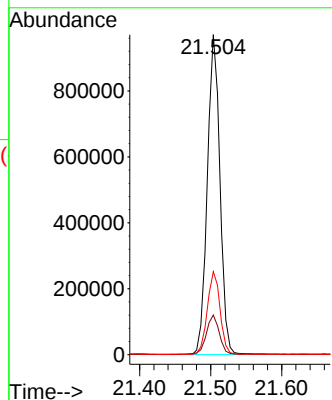
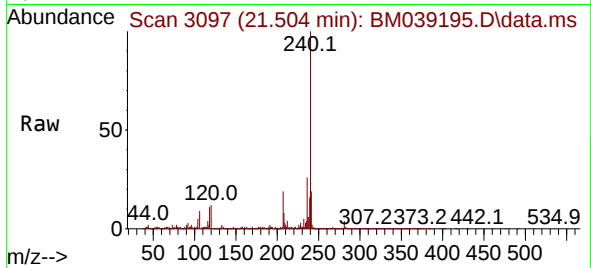




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

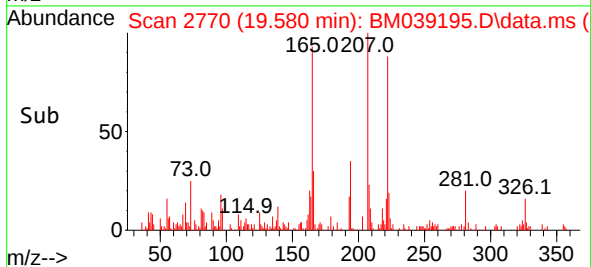
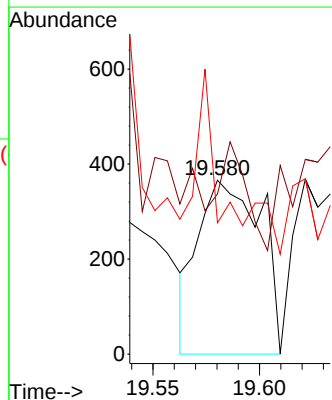
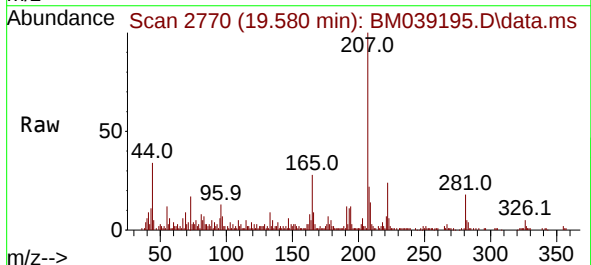
Instrument :
BNA_M
ClientSampleId :
VNJ-224DL

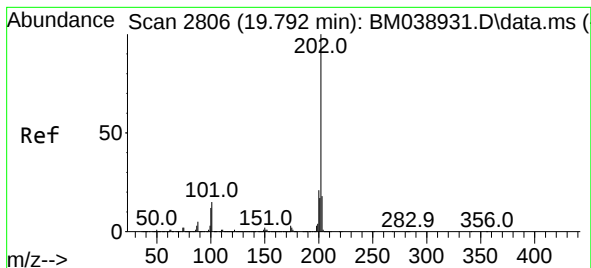
Tgt Ion:240 Resp: 1201387
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 26.0 20.8 31.2



#77
Benzidine
Concen: 4.901 ng
RT: 19.580 min Scan# 2770
Delta R.T. 0.006 min
Lab File: BM039195.D
Acq: 29 Mar 2023 00:39

Tgt Ion:184 Resp: 752
Ion Ratio Lower Upper
184 100
185 92.1 12.2 18.4#
183 75.4 8.8 13.2#





#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

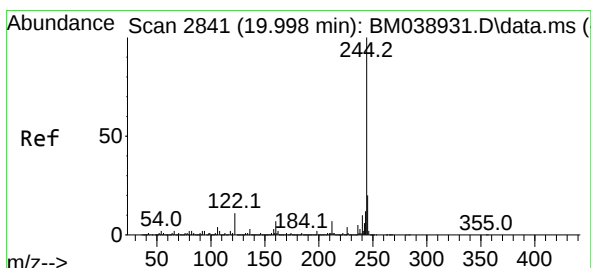
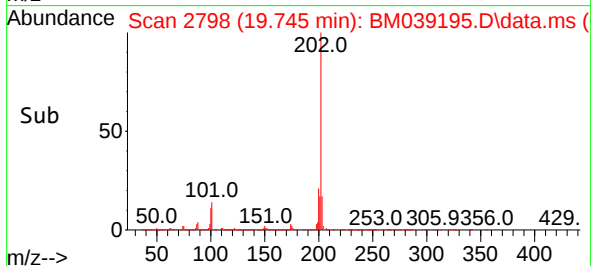
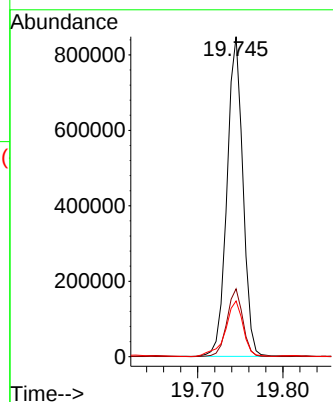
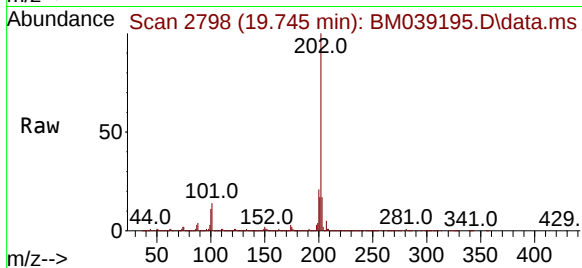
Tgt Ion:202 Resp: 1103226

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

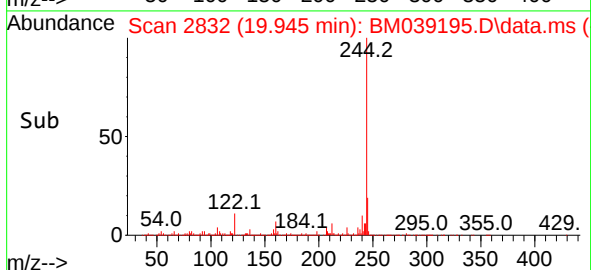
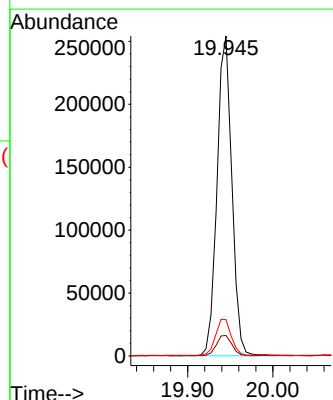
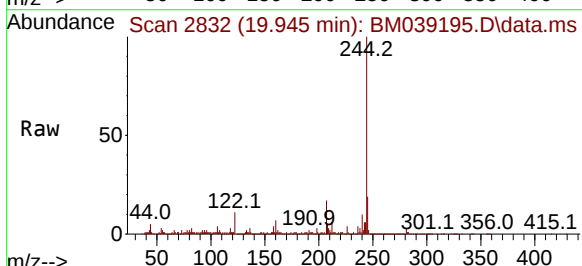
Tgt Ion:244 Resp: 306864

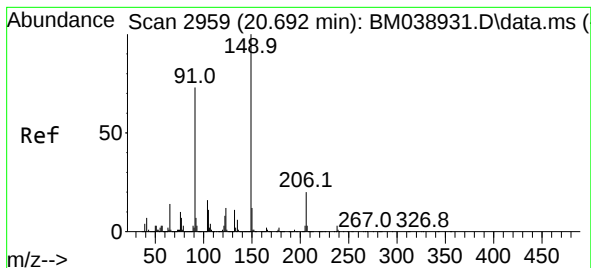
Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

122 11.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.345 ng

RT: 20.645 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

Instrument :

BNA_M

ClientSampleId :

VNJ-224DL

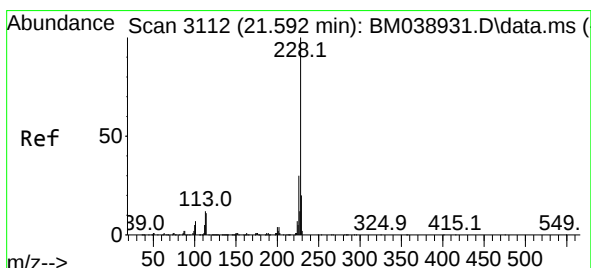
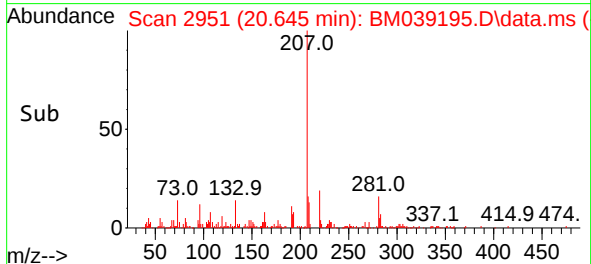
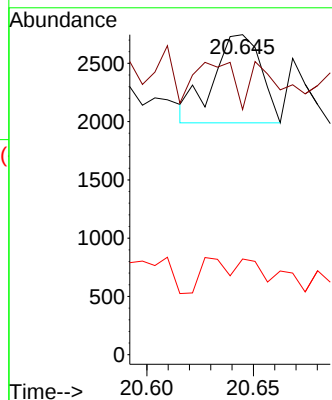
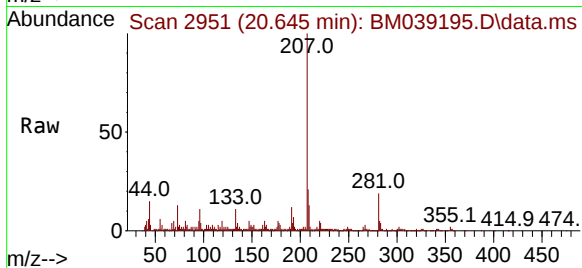
Tgt Ion:149 Resp: 1185

Ion Ratio Lower Upper

149 100

91 76.6 58.4 87.6

206 29.9 16.1 24.1#



#83

Chrysene

Concen: 5.893 ng

RT: 21.539 min Scan# 3103

Delta R.T. -0.011 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

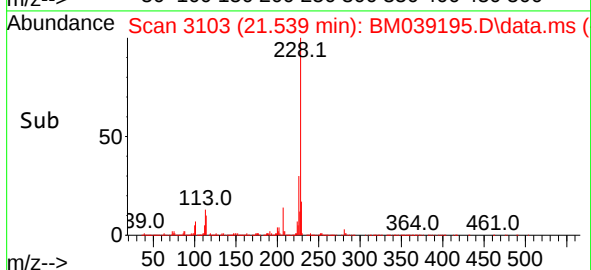
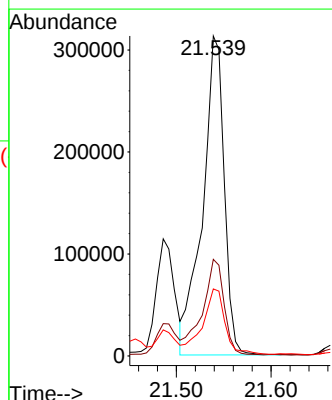
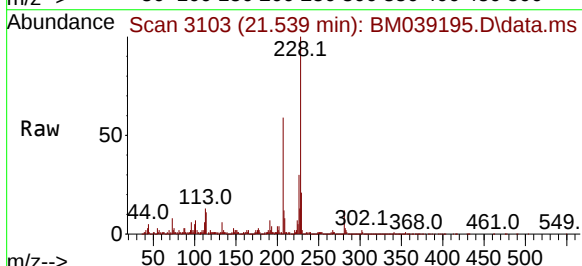
Tgt Ion:228 Resp: 495860

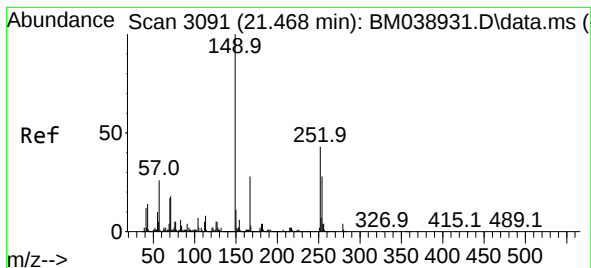
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 21.0 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.656 ng

RT: 21.410 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

Instrument :

BNA_M

ClientSampleId :

VNJ-224DL

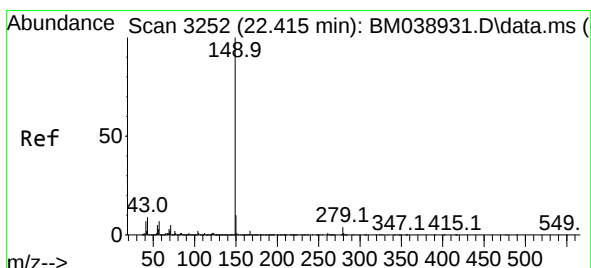
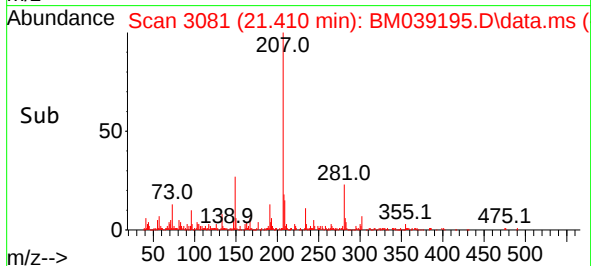
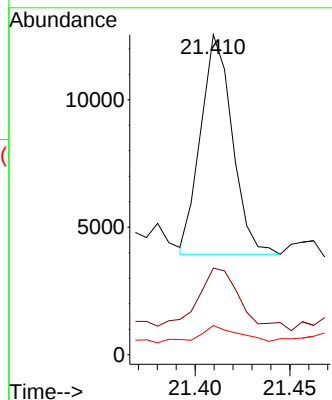
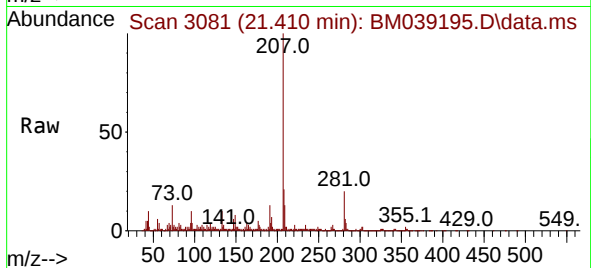
Tgt Ion:149 Resp: 10025

Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 9.1 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 3.804 ng

RT: 22.345 min Scan# 3240

Delta R.T. 0.000 min

Lab File: BM039195.D

Acq: 29 Mar 2023 00:39

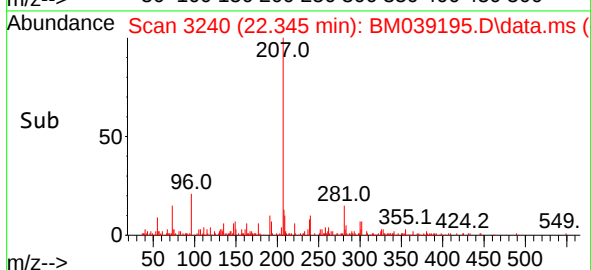
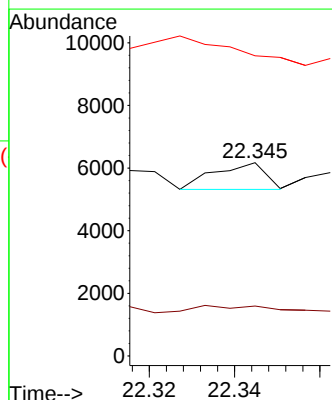
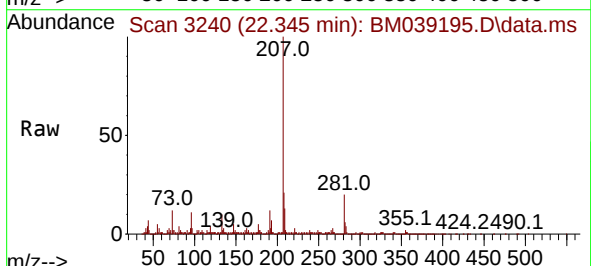
Tgt Ion:149 Resp: 705

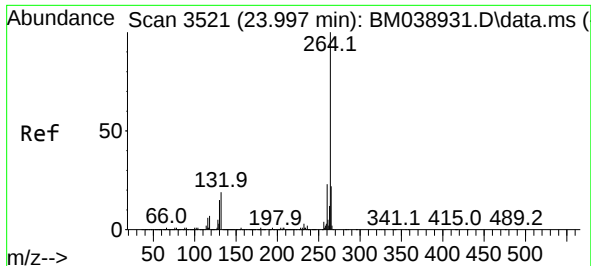
Ion Ratio Lower Upper

149 100

167 46.0 1.2 1.8#

43 342.4 7.4 11.2#

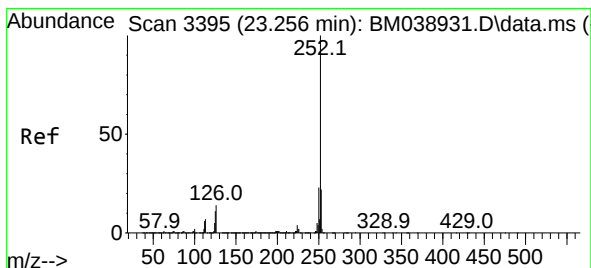
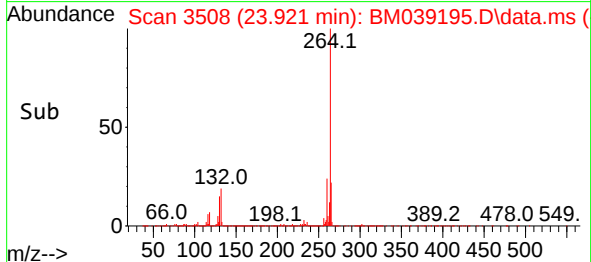
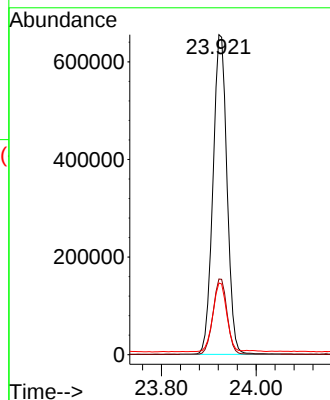
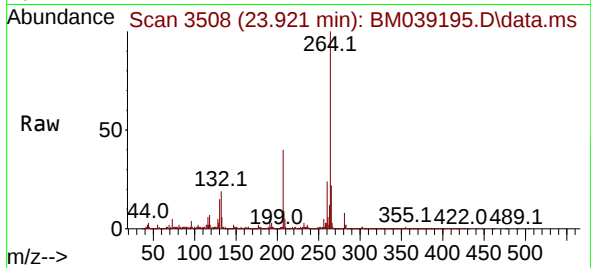




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.921 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BM039195.D
 Acq: 29 Mar 2023 00:39

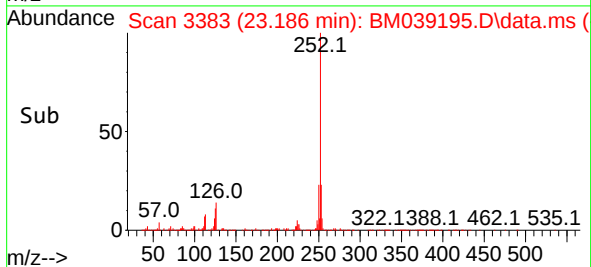
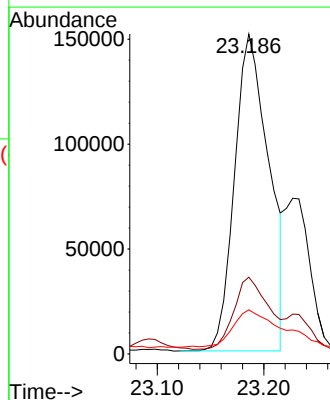
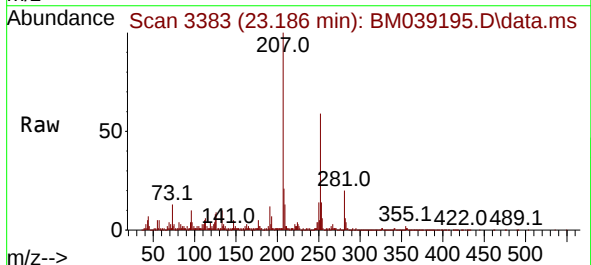
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224DL

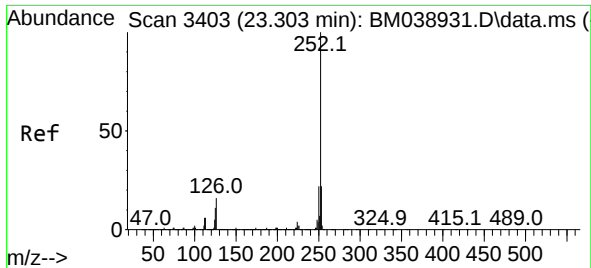
Tgt Ion:264 Resp: 1345030
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.4 17.9 26.9



#88
 Benzo(b)fluoranthene
 Concen: 3.935 ng
 RT: 23.186 min Scan# 3383
 Delta R.T. -0.005 min
 Lab File: BM039195.D
 Acq: 29 Mar 2023 00:39

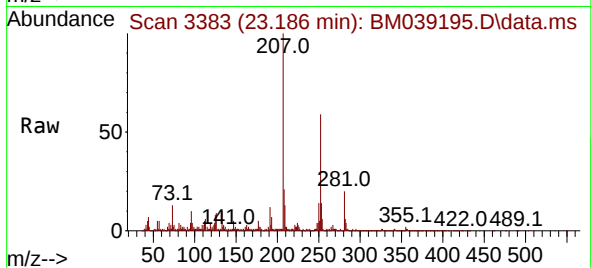
Tgt Ion:252 Resp: 338113
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.6 26.4
 125 13.8 8.8 13.2#





#89
Benzo(k)fluoranthene
Concen: 3.781 ng
RT: 23.186 min Scan# 31
Delta R.T. -0.053 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 17.5 26.3
125 13.8 8.9 13.3#

