

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039170.D
 Acq On : 27 Mar 2023 21:09
 Operator : CG/JU
 Sample : 02082-02 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224

Quant Time: Mar 28 01:53:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

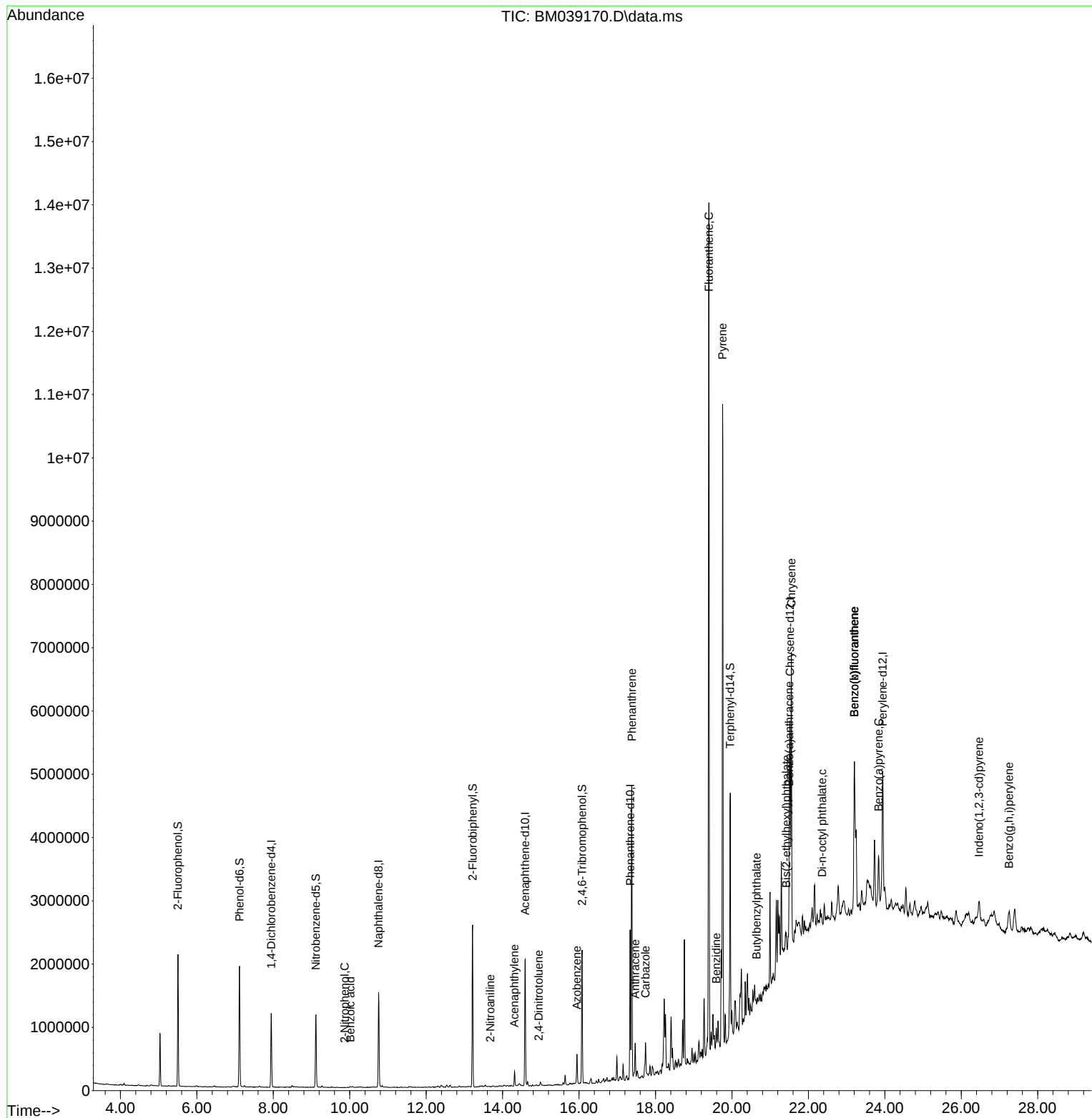
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	306425	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1197032	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	685519	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1410394	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1352156	20.000	ng	0.00
86) Perylene-d12	23.944	264	1534527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	901728	44.709	ng	0.00
7) Phenol-d6	7.116	99	1123864	42.900	ng	0.00
23) Nitrobenzene-d5	9.116	82	676213	27.749	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	363761	45.869	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	1292289	24.541	ng	0.00
79) Terphenyl-d14	19.956	244	1773039	23.974	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.869	139	58	2.996	ng	# 1
32) Benzoic acid	10.016	122	7570	6.198	ng	# 83
48) 2-Nitroaniline	13.680	65	509	2.250	ng	# 69
49) Acenaphthylene	14.310	152	176606	2.532	ng	99
57) 2,4-Dinitrotoluene	14.945	165	78	2.076	ng	# 1
63) Azobenzene	15.945	77	129807	2.390	ng	# 1
71) Phenanthrene	17.380	178	2660700	32.143	ng	100
72) Anthracene	17.468	178	346387	4.196	ng	99
73) Carbazole	17.739	167	324200	4.303	ng	98
75) Fluoranthene	19.398	202	7714533	88.268	ng	99
77) Benzidine	19.592	184	1551	4.922	ng	# 1
78) Pyrene	19.756	202	6049410	59.566	ng	99
80) Butylbenzylphthalate	20.645	149	4629	3.416	ng	# 62
81) Benzo(a)anthracene	21.497	228	943173	9.686	ng	98
83) Chrysene	21.556	228	2714797	28.666	ng	99
84) Bis(2-ethylhexyl)phtha...	21.421	149	71429	3.570	ng	# 95
85) Di-n-octyl phthalate	22.362	149	3794	3.830	ng	# 77
87) Indeno(1,2,3-cd)pyrene	26.468	276	405264	3.471	ng	95
88) Benzo(b)fluoranthene	23.203	252	2019071	20.595	ng	96
89) Benzo(k)fluoranthene	23.203	252	2019071	19.790	ng	96
90) Benzo(a)pyrene	23.839	252	559670	5.932	ng	# 95
92) Benzo(g,h,i)perylene	27.250	276	356874	3.689	ng	95

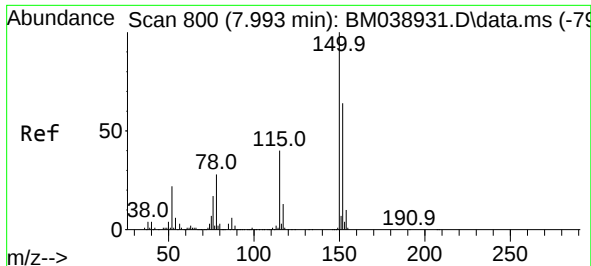
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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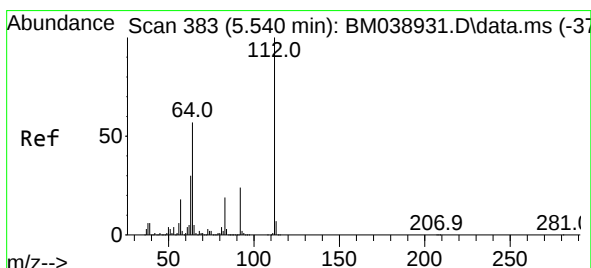
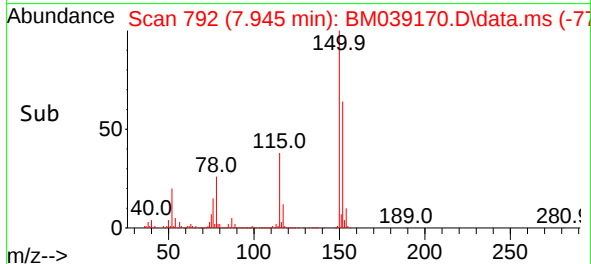
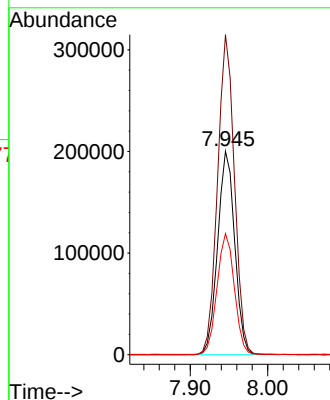
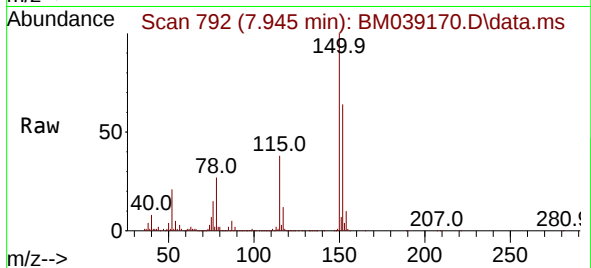




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

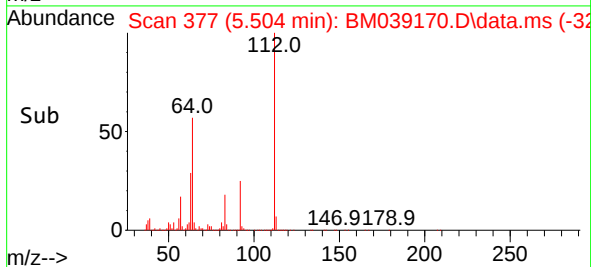
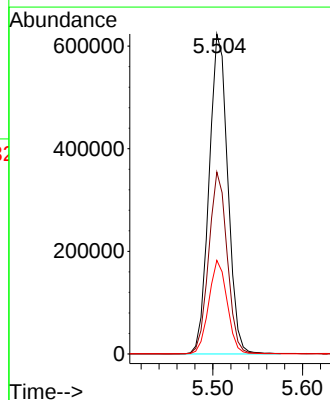
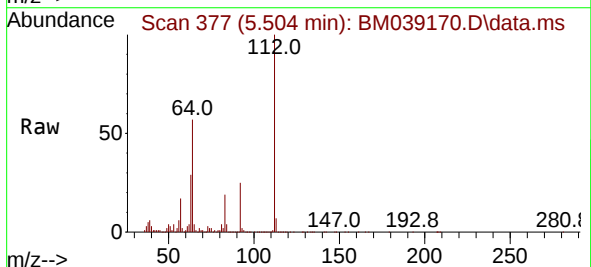
Instrument :
BNA_M
ClientSampleId :
VNJ-224

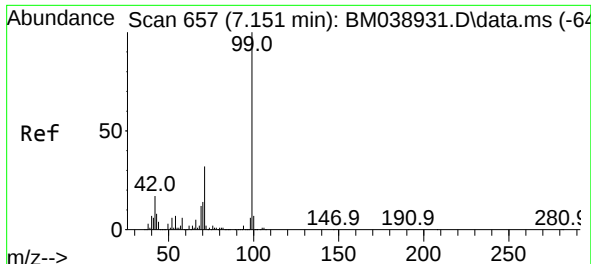
Tgt Ion:152 Resp: 306425
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 59.5 49.6 74.4



#5
2-Fluorophenol
Concen: 44.709 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:112 Resp: 901728
Ion Ratio Lower Upper
112 100
64 56.9 45.9 68.9
63 29.3 23.8 35.8



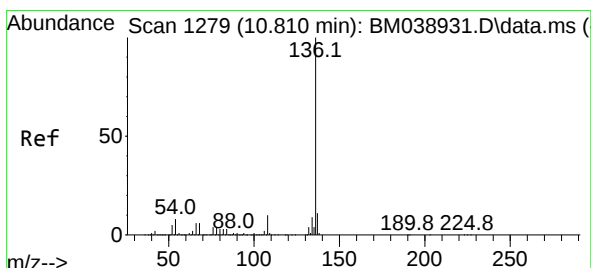
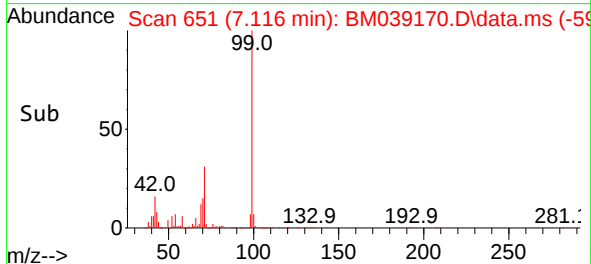
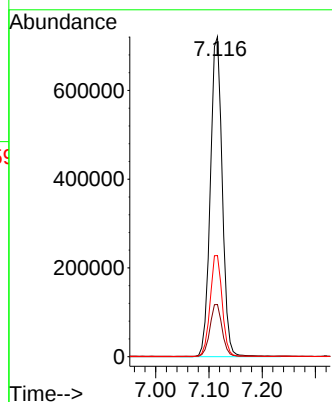
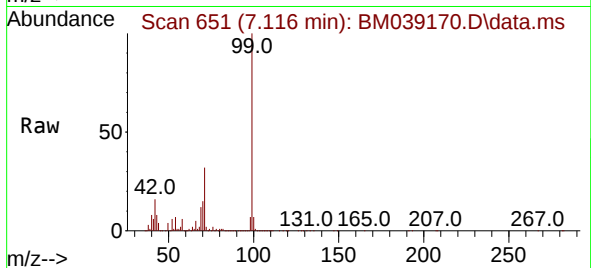


#7
Phenol-d6
Concen: 42.900 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Instrument :
BNA_M
ClientSampleId :
VNJ-224

Tgt Ion: 99 Resp: 1123864

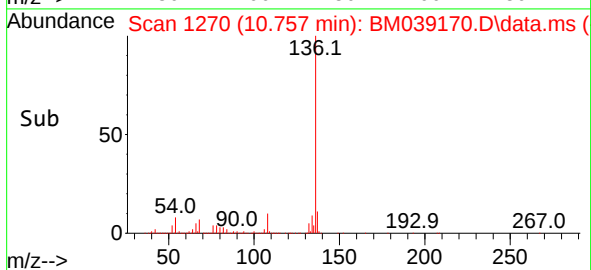
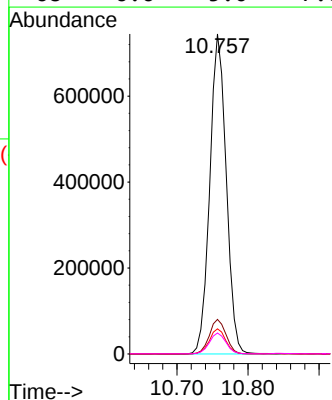
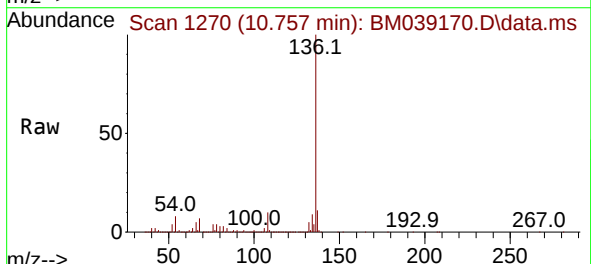
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	31.6	25.6	38.4

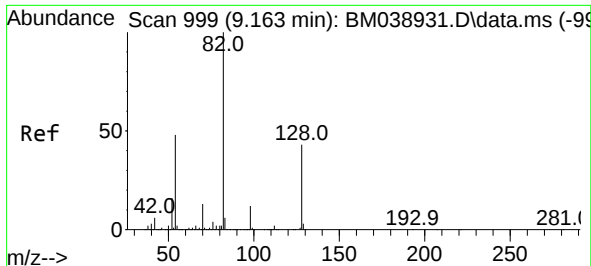


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion: 136 Resp: 1197032

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.9	6.3	9.5
68	6.6	5.0	7.6

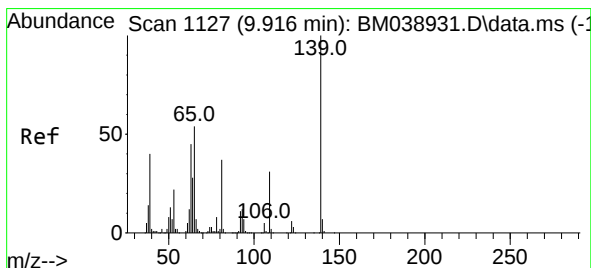
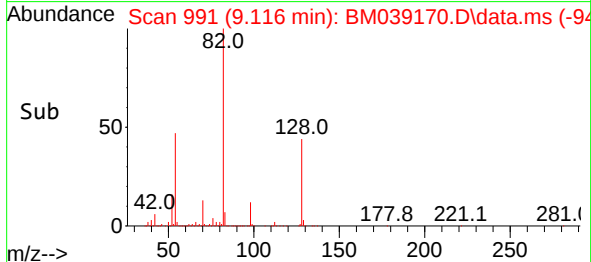
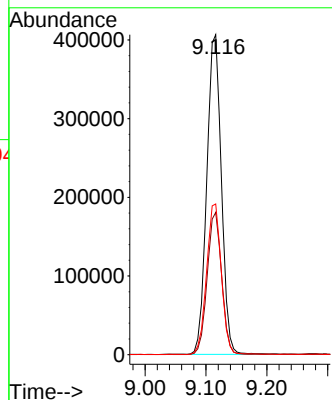
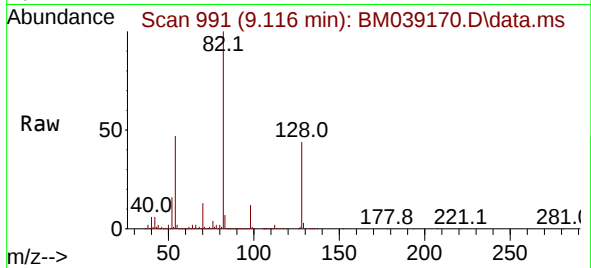




#23
Nitrobenzene-d5
Concen: 27.749 ng
RT: 9.116 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

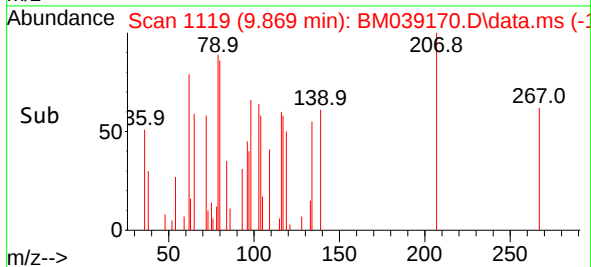
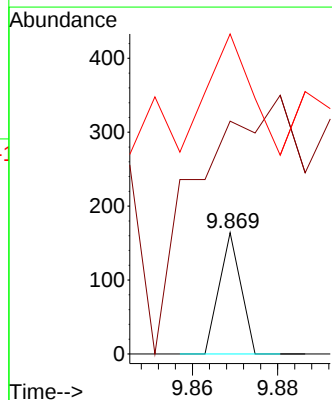
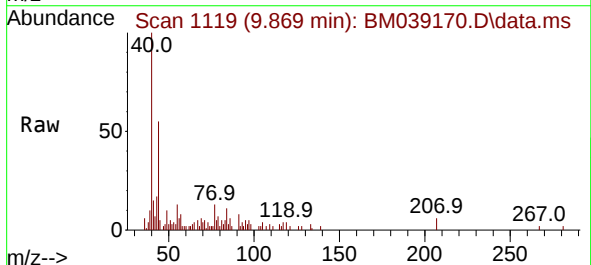
Instrument :
BNA_M
ClientSampleId :
VNJ-224

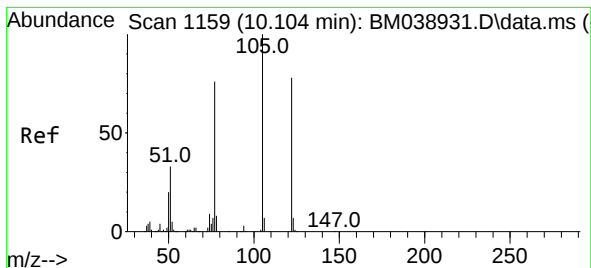
Tgt Ion: 82 Resp: 676213
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 47.1 38.8 58.2



#26
2-Nitrophenol
Concen: 2.996 ng
RT: 9.869 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 192.1 24.5 36.7#
65 264.0 43.0 64.6#





#32

Benzoic acid

Concen: 6.198 ng

RT: 10.016 min Scan# 1159

Delta R.T. -0.059 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

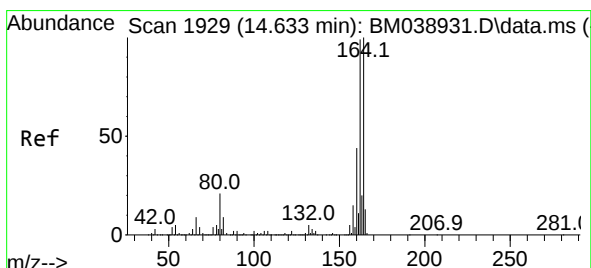
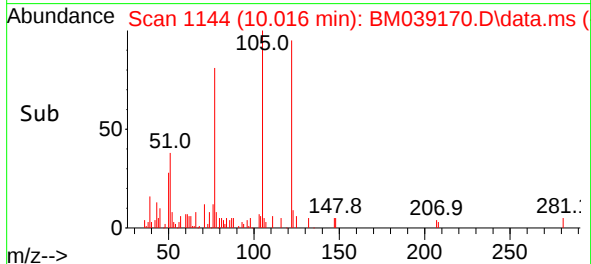
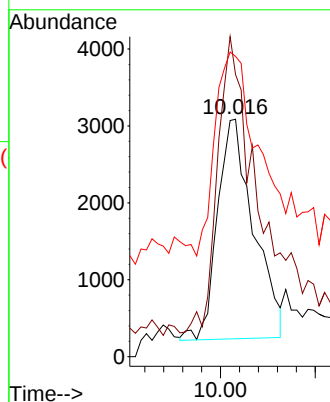
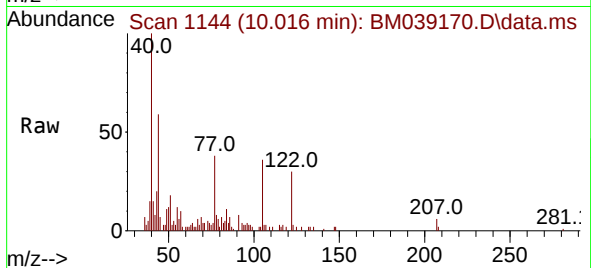
Tgt Ion:122 Resp: 7570

Ion Ratio Lower Upper

122 100

105 118.8 104.2 144.2

77 126.5 75.1 115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.586 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

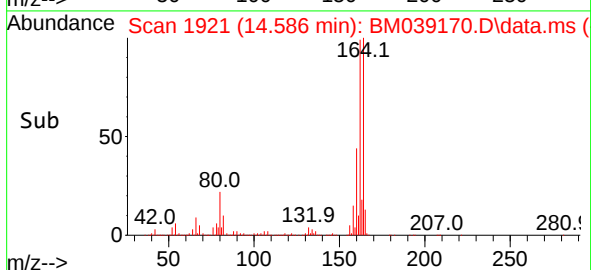
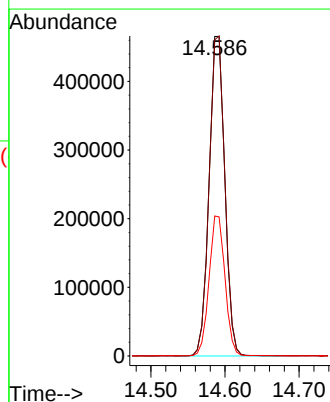
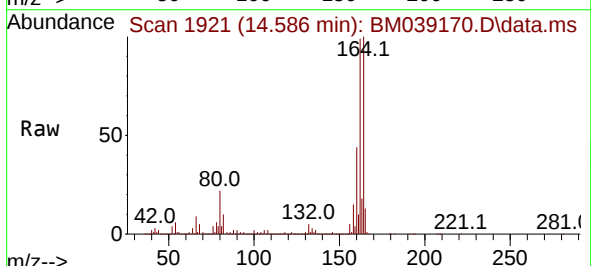
Tgt Ion:164 Resp: 685519

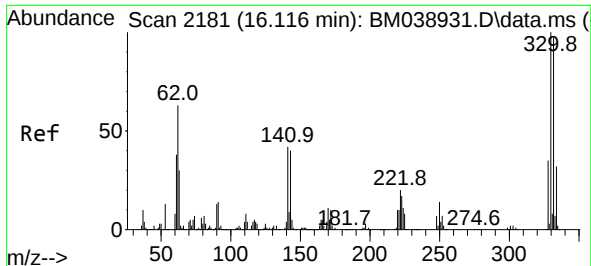
Ion Ratio Lower Upper

164 100

162 98.9 79.2 118.8

160 43.8 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 45.869 ng

RT: 16.080 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

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VNJ-224

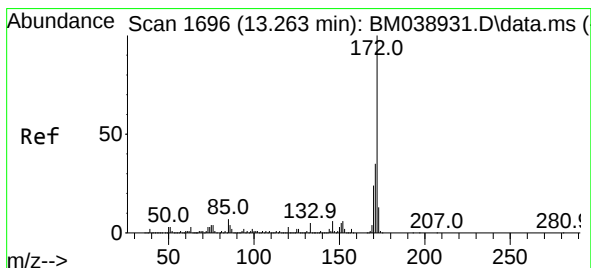
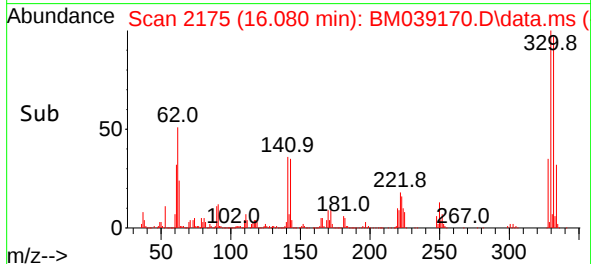
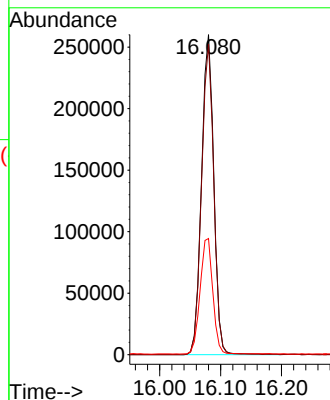
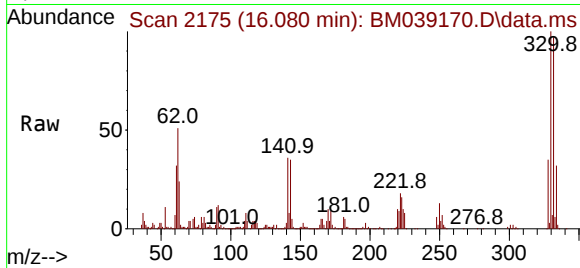
Tgt Ion:330 Resp: 363761

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

141 37.4 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 24.541 ng

RT: 13.216 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

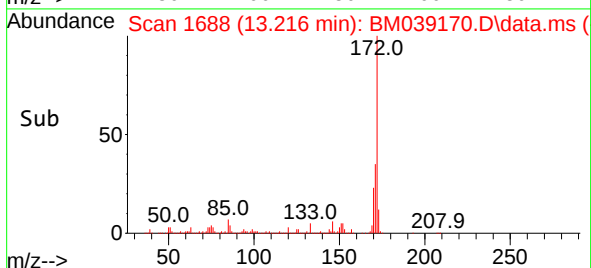
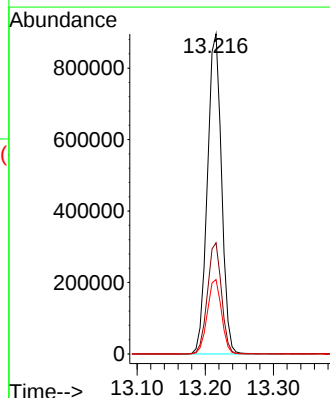
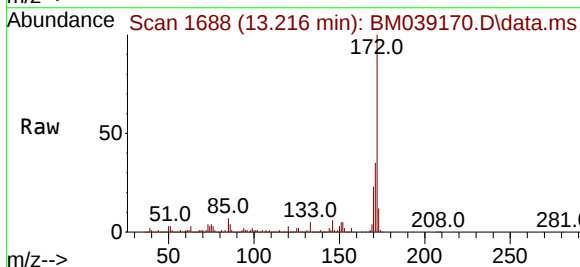
Tgt Ion:172 Resp: 1292289

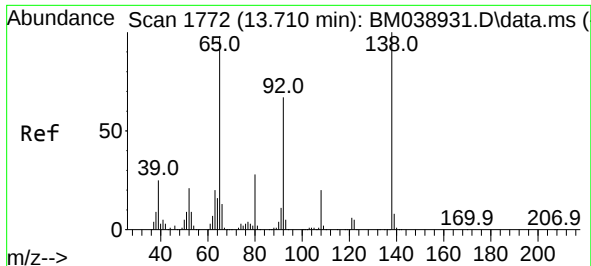
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.2 19.1 28.7

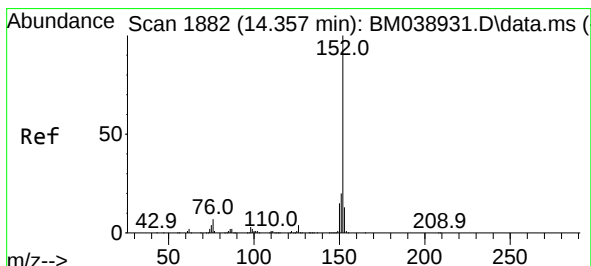
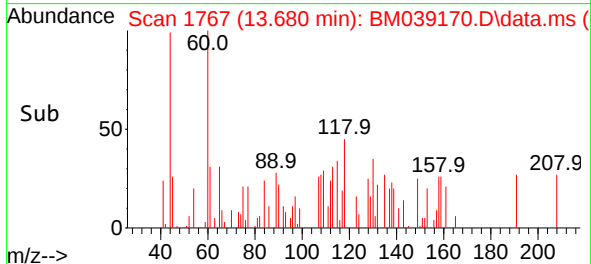
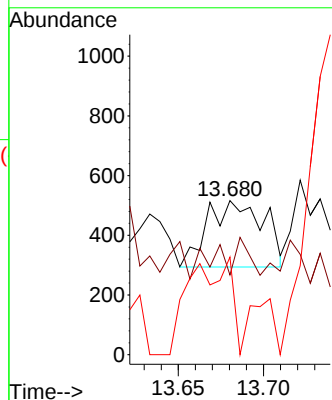
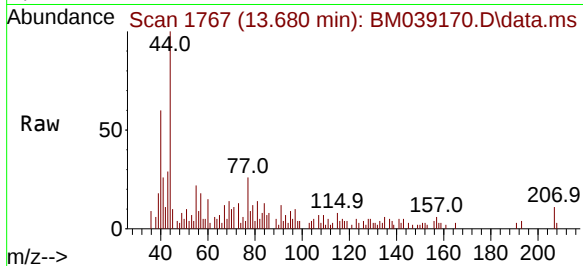




#48
2-Nitroaniline
Concen: 2.250 ng
RT: 13.680 min Scan# 1767
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

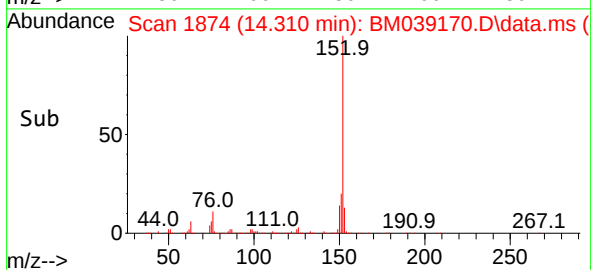
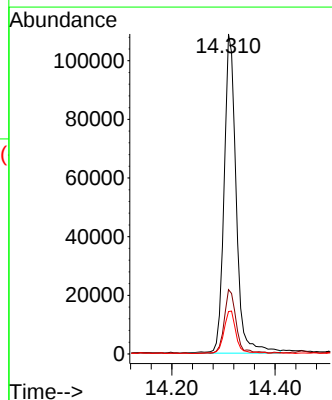
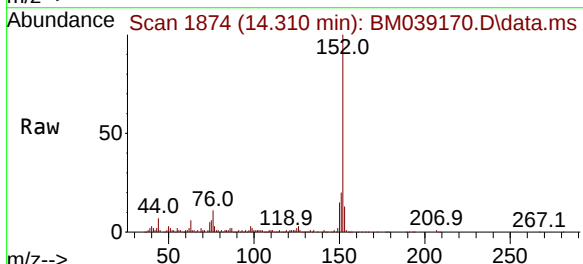
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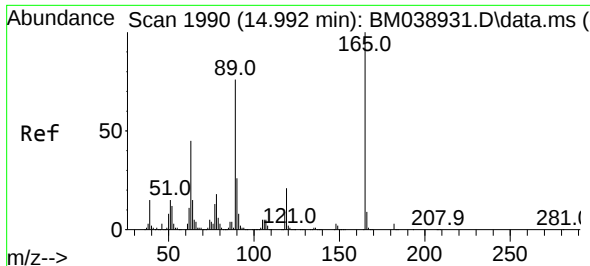
Tgt Ion: 65 Resp: 509
Ion Ratio Lower Upper
65 100
92 51.7 54.9 82.3#
138 63.4 81.6 122.4#



#49
Acenaphthylene
Concen: 2.532 ng
RT: 14.310 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion: 152 Resp: 176606
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 13.3 10.4 15.6

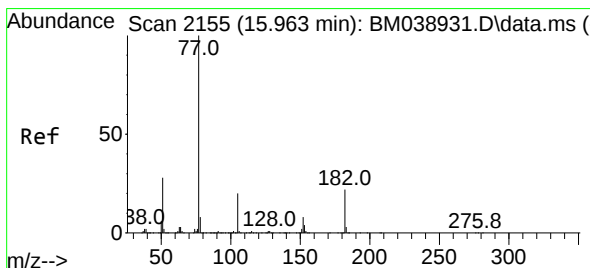
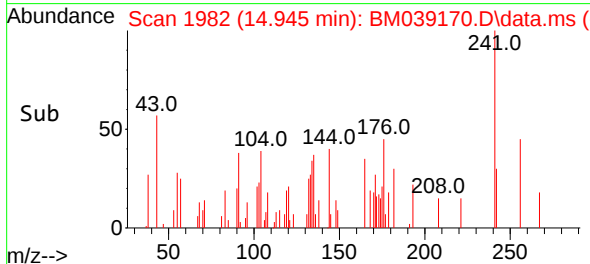
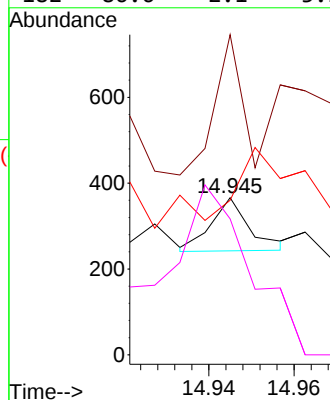
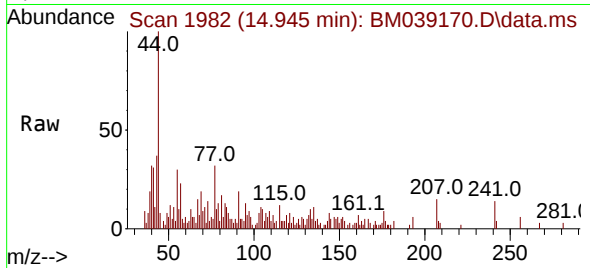




#57
2,4-Dinitrotoluene
Concen: 2.076 ng
RT: 14.945 min Scan# 1990
Delta R.T. -0.012 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

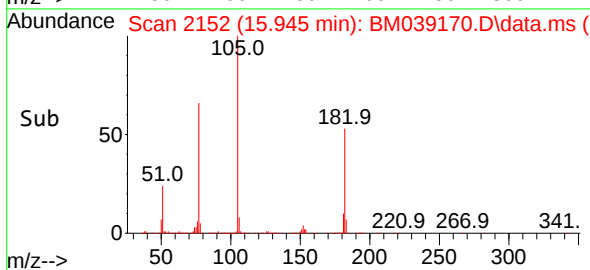
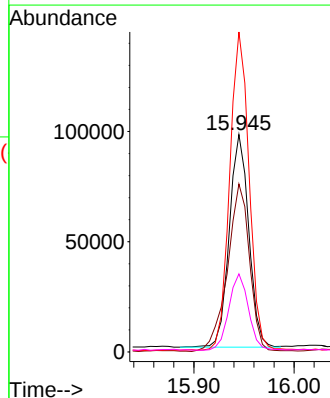
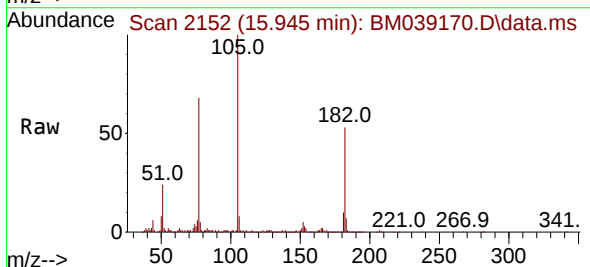
Instrument :
BNA_M
ClientSampleId :
VNJ-224

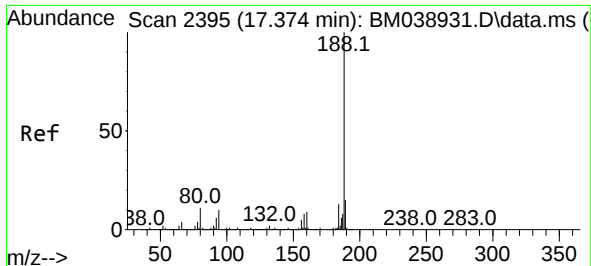
Tgt Ion:165	Resp:	78
Ion	Ratio	Lower Upper
165	100	
63	203.8	35.9 53.9#
89	98.4	61.0 91.6#
182	86.6	2.1 3.1#



#63
Azobenzene
Concen: 2.390 ng
RT: 15.945 min Scan# 2152
Delta R.T. 0.023 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion: 77	Resp:	129807
Ion	Ratio	Lower Upper
77	100	
182	77.3	2.0 42.0#
105	147.2	0.4 40.4#
51	35.9	8.0 48.0

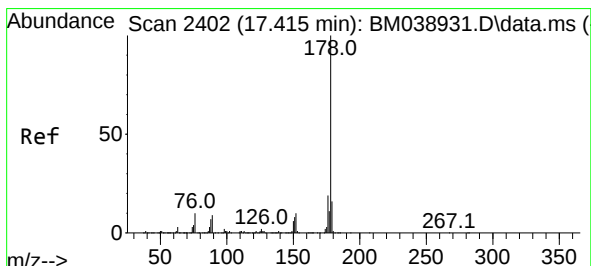
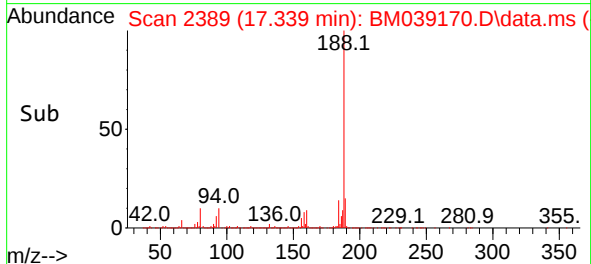
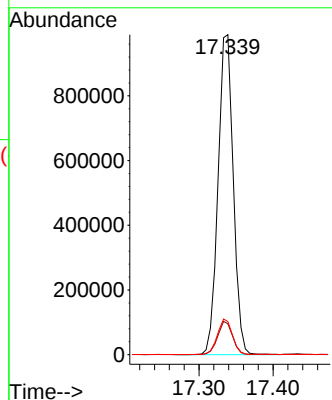
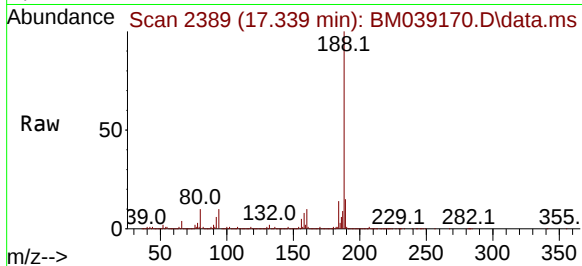




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

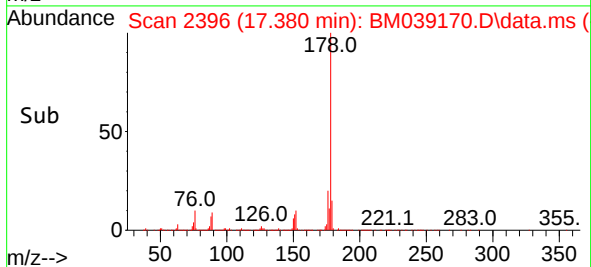
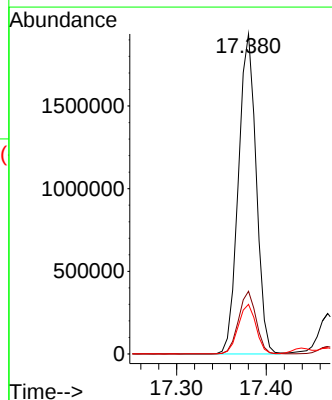
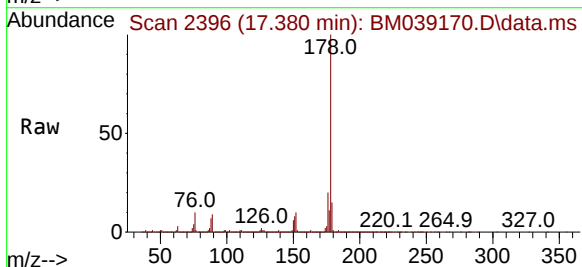
Instrument :
BNA_M
ClientSampleId :
VNJ-224

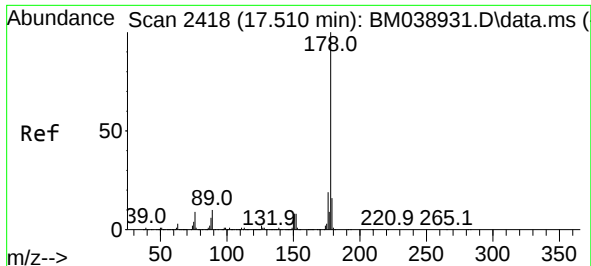
Tgt Ion:188 Resp: 1410394
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.3 8.5 12.7



#71
Phenanthrene
Concen: 32.143 ng
RT: 17.380 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:178 Resp: 2660700
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.5 12.5 18.7

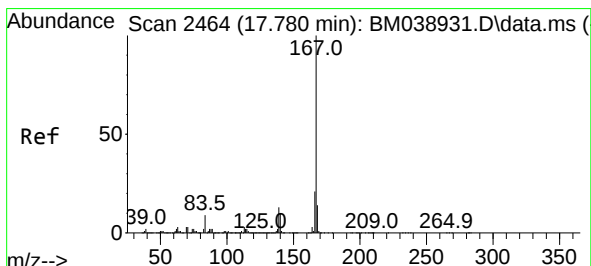
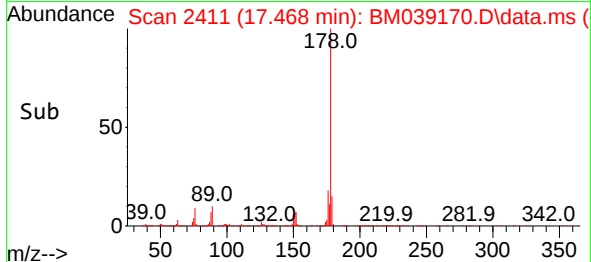
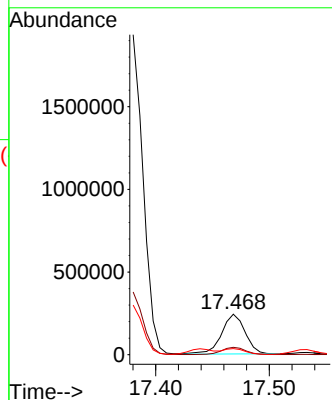
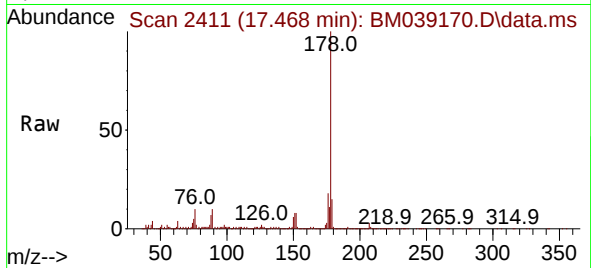




#72
 Anthracene
 Concen: 4.196 ng
 RT: 17.468 min Scan# 2418
 Delta R.T. -0.000 min
 Lab File: BM039170.D
 Acq: 27 Mar 2023 21:09

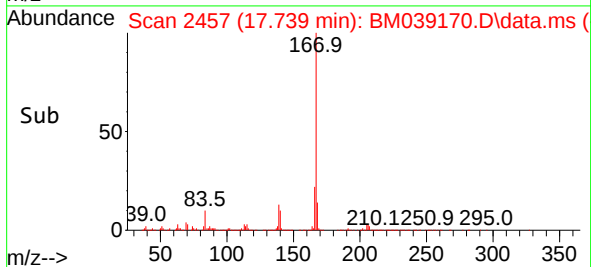
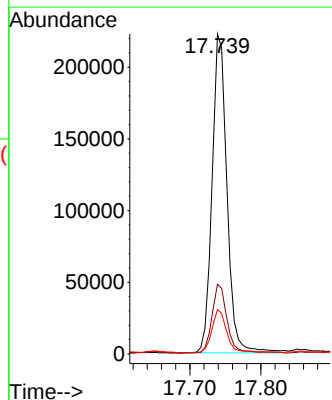
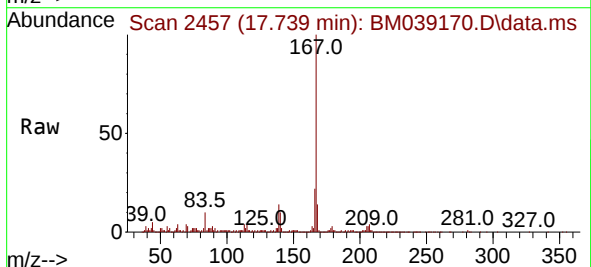
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-224

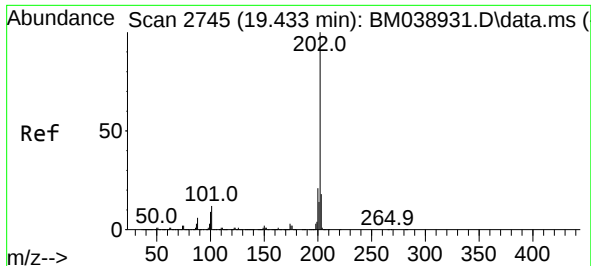
Tgt Ion:178 Resp: 346387
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.2 12.5 18.7



#73
 Carbazole
 Concen: 4.303 ng
 RT: 17.739 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: BM039170.D
 Acq: 27 Mar 2023 21:09

Tgt Ion:167 Resp: 324200
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.4
 139 13.8 10.3 15.5

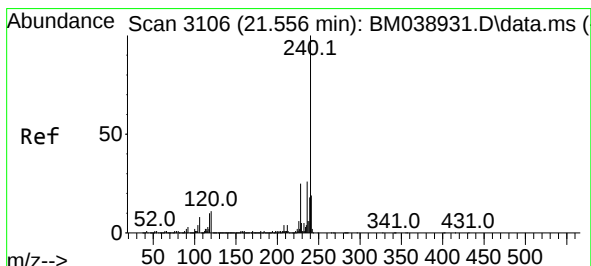
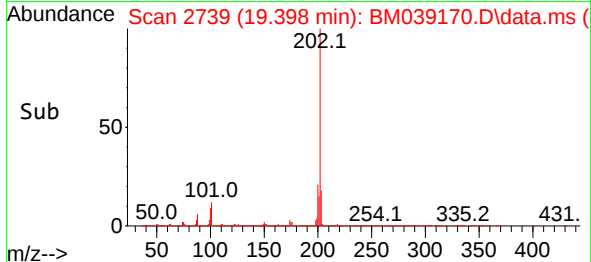
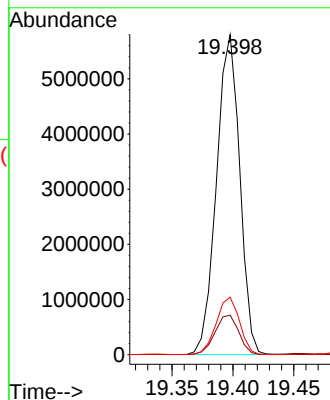
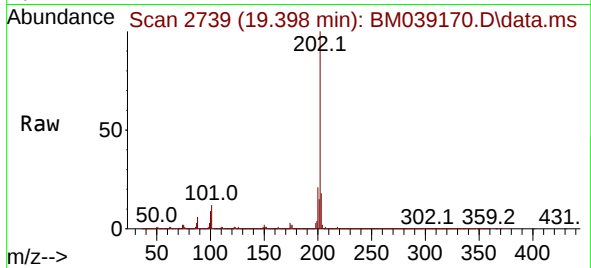




#75
Fluoranthene
Concen: 88.268 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

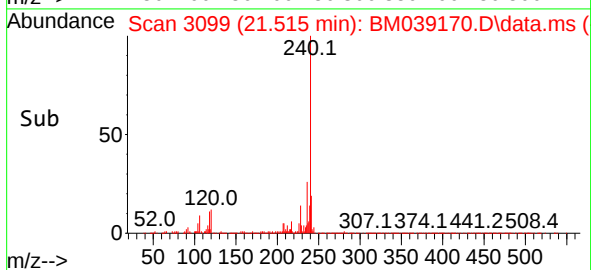
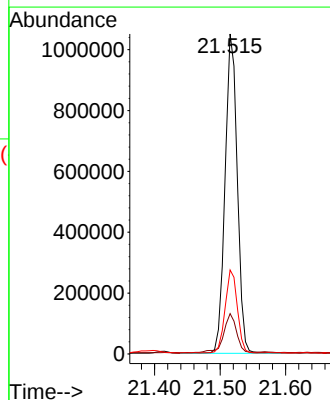
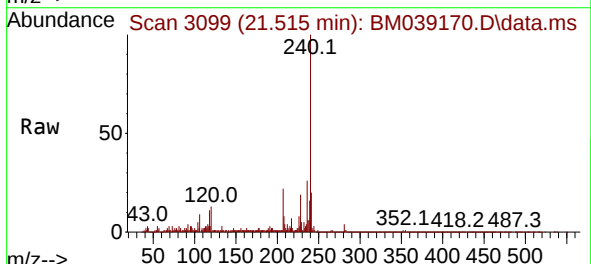
Instrument :
BNA_M
ClientSampleId :
VNJ-224

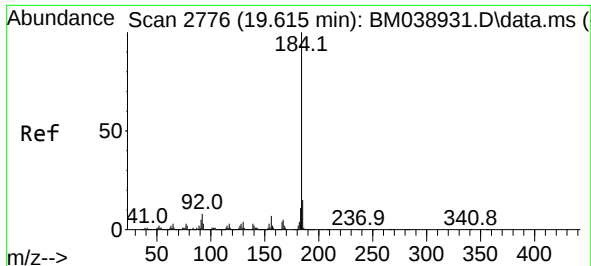
Tgt Ion:202 Resp: 7714533
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:240 Resp: 1352156
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 26.2 20.8 31.2

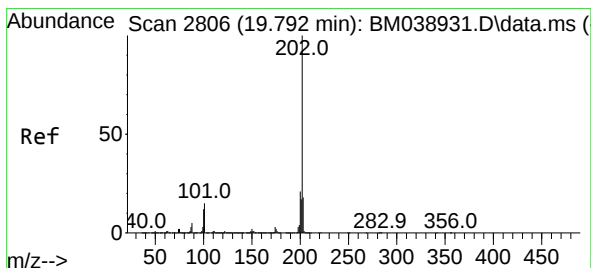
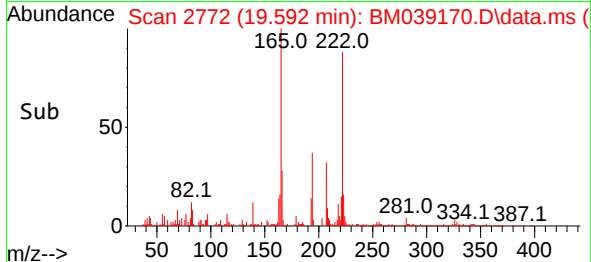
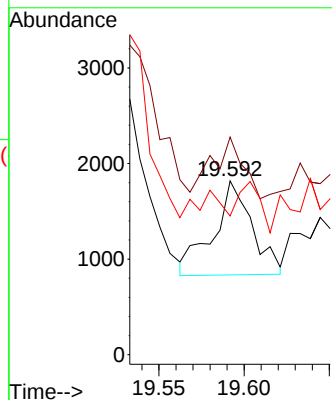
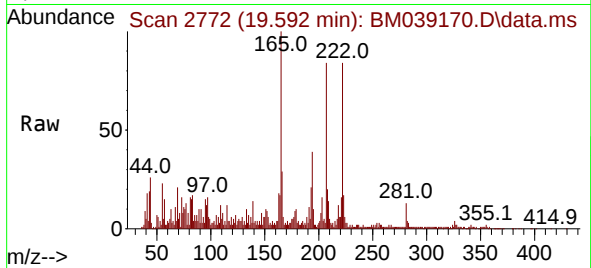




#77
Benzidine
Concen: 4.922 ng
RT: 19.592 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

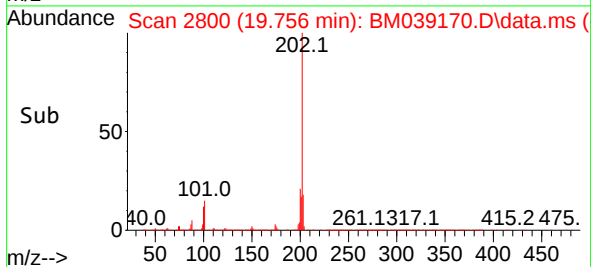
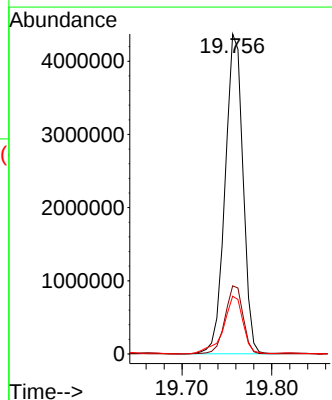
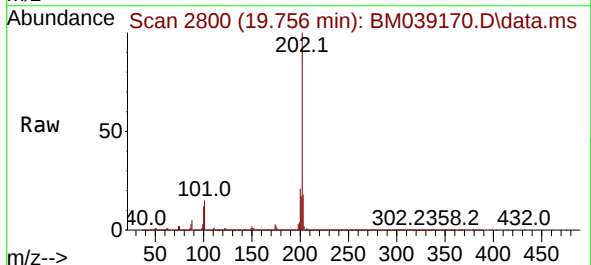
Instrument :
BNA_M
ClientSampleId :
VNJ-224

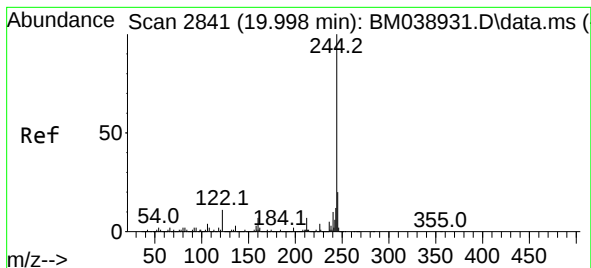
Tgt Ion:184 Resp: 1551
Ion Ratio Lower Upper
184 100
185 125.2 12.2 18.4#
183 79.8 8.8 13.2#



#78
Pyrene
Concen: 59.566 ng
RT: 19.756 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:202 Resp: 6049410
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 23.974 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

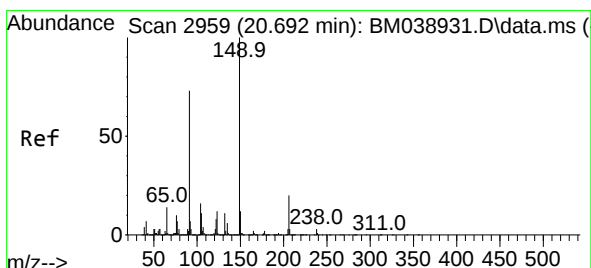
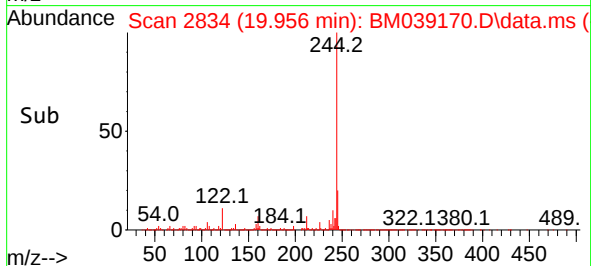
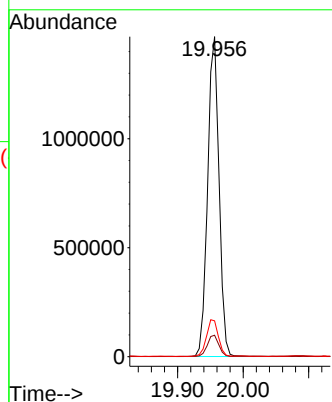
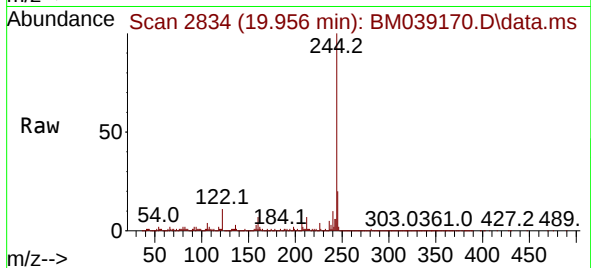
Tgt Ion:244 Resp: 1773039

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 11.2 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.416 ng

RT: 20.645 min Scan# 2951

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

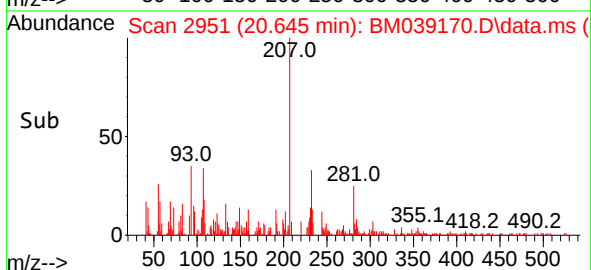
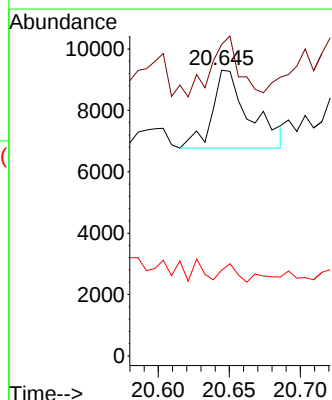
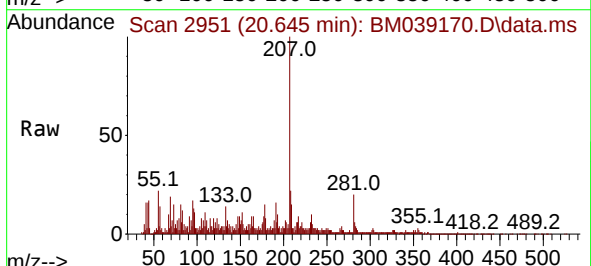
Tgt Ion:149 Resp: 4629

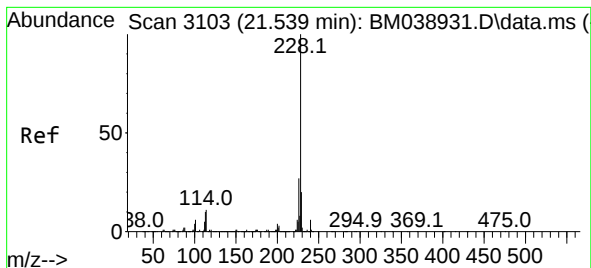
Ion Ratio Lower Upper

149 100

91 109.0 58.4 87.6#

206 30.0 16.1 24.1#





#81

Benzo(a)anthracene

Concen: 9.686 ng

RT: 21.497 min Scan# 3106

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

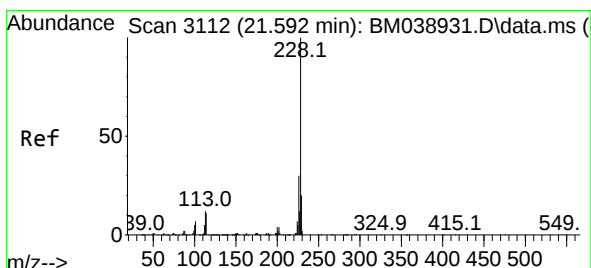
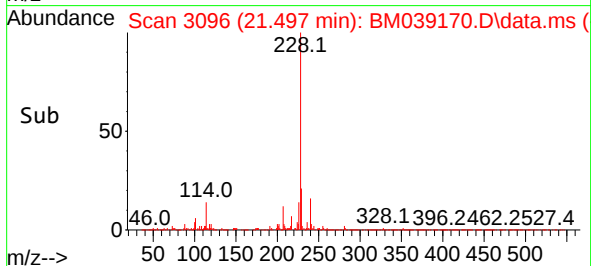
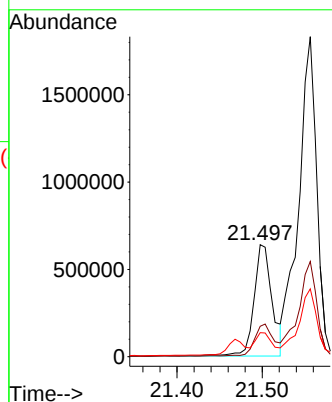
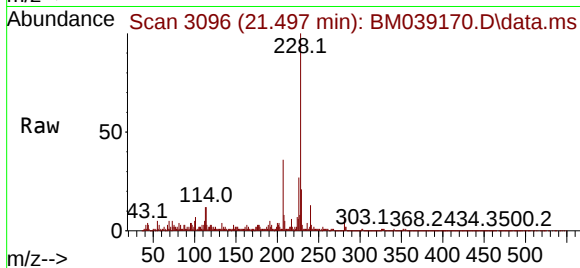
Tgt Ion:228 Resp: 943173

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 21.4 15.7 23.5



#83

Chrysene

Concen: 28.666 ng

RT: 21.556 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

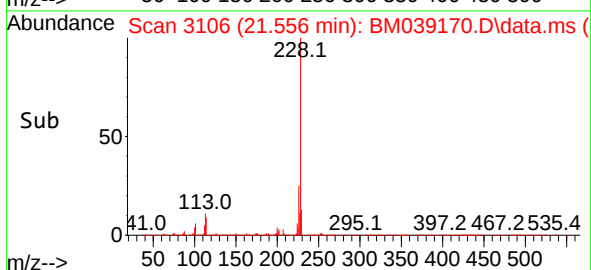
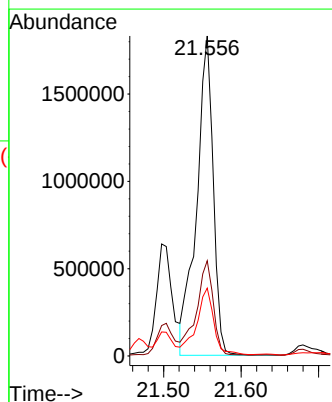
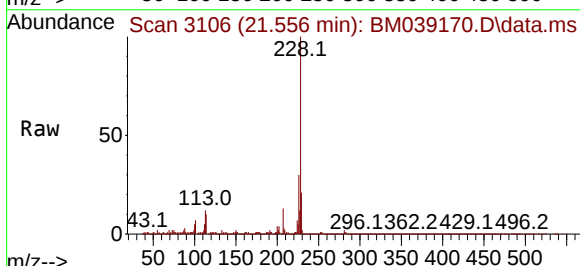
Tgt Ion:228 Resp: 2714797

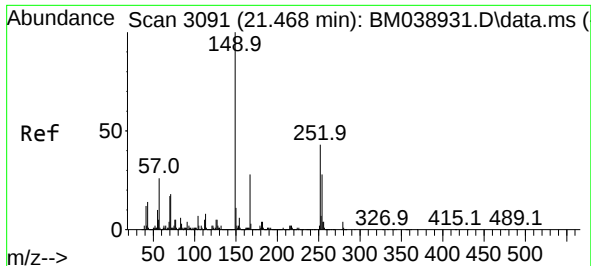
Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 21.2 16.0 24.0

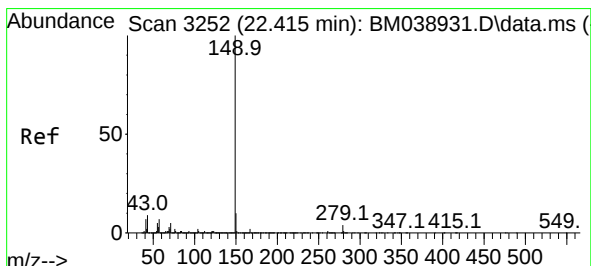
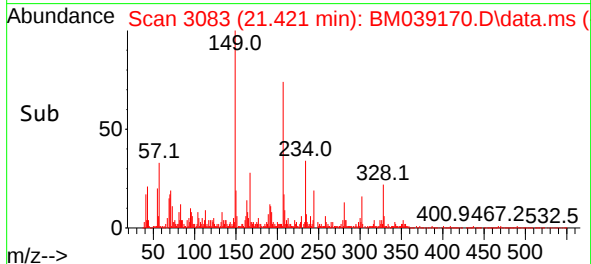
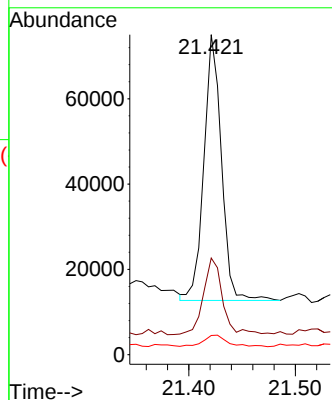
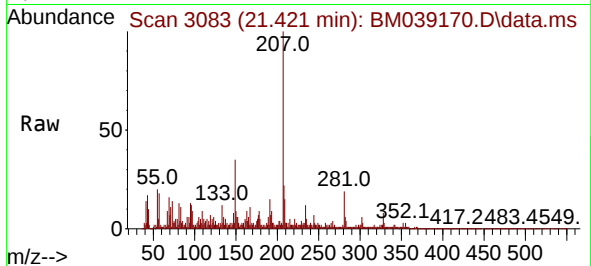




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.570 ng
RT: 21.421 min Scan# 3091
Delta R.T. -0.000 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

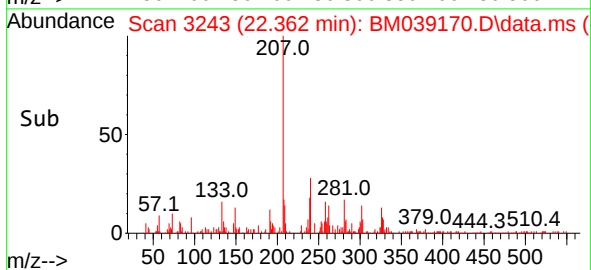
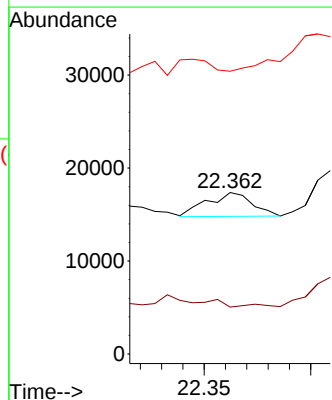
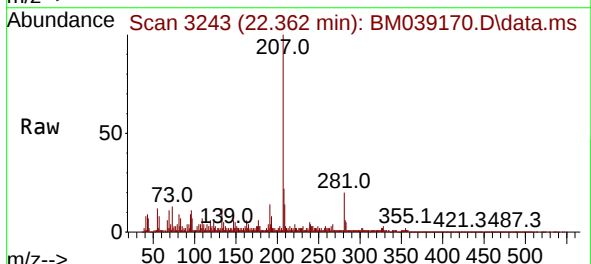
Instrument :
BNA_M
ClientSampleId :
VNJ-224

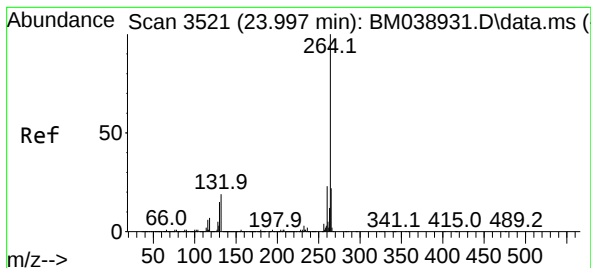
Tgt Ion:149 Resp: 71429
Ion Ratio Lower Upper
149 100
167 30.2 22.3 33.5
279 6.0 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.830 ng
RT: 22.362 min Scan# 3243
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:149 Resp: 3794
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

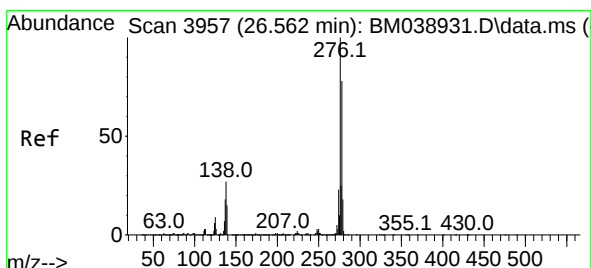
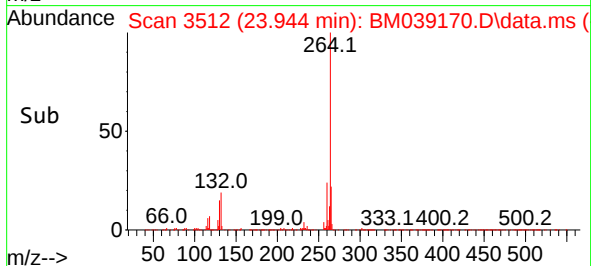
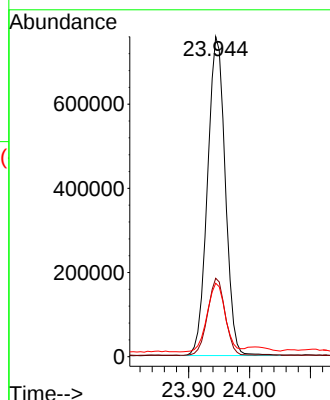
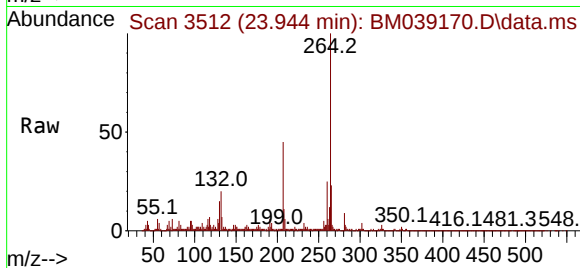
Tgt Ion:264 Resp: 1534527

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 22.9 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.471 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

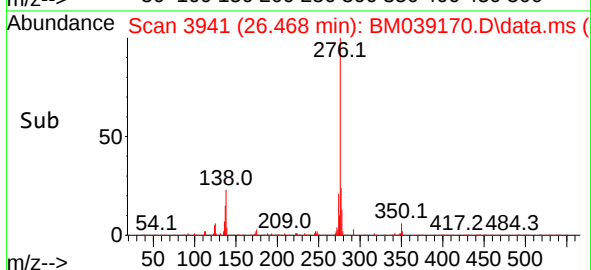
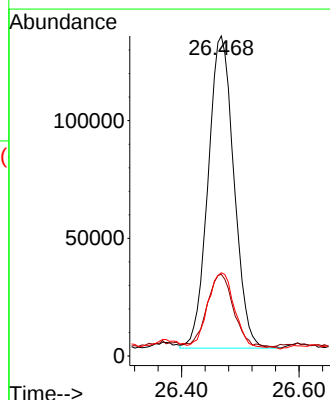
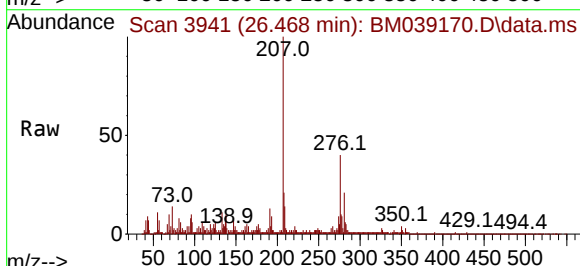
Tgt Ion:276 Resp: 405264

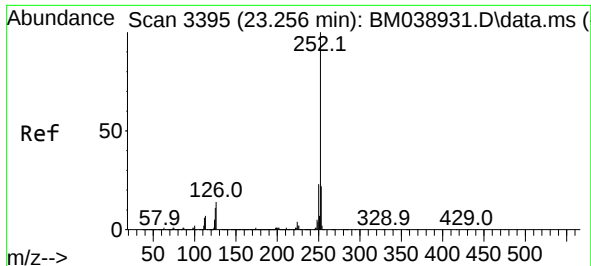
Ion Ratio Lower Upper

276 100

138 23.5 22.1 33.1

277 24.2 20.1 30.1

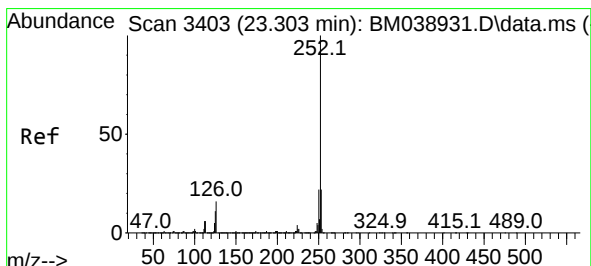
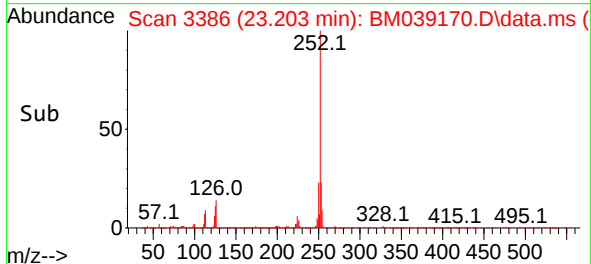
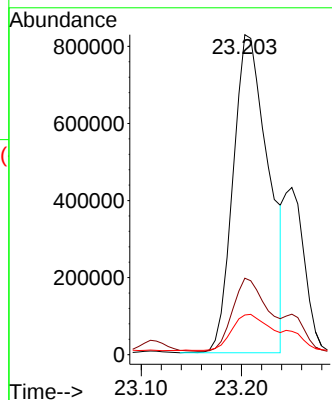
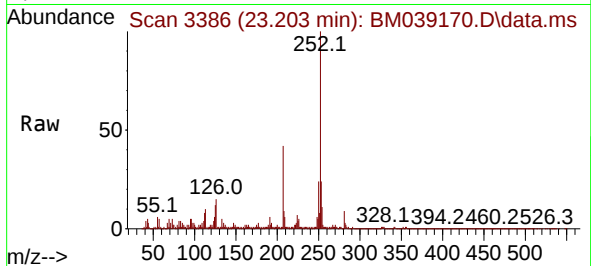




#88
Benzo(b)fluoranthene
Concen: 20.595 ng
RT: 23.203 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

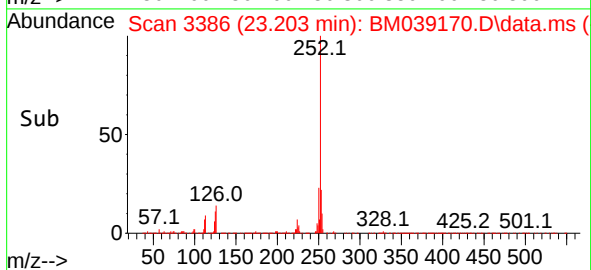
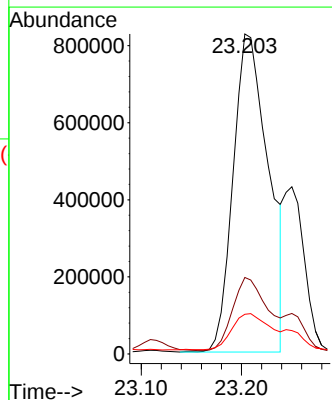
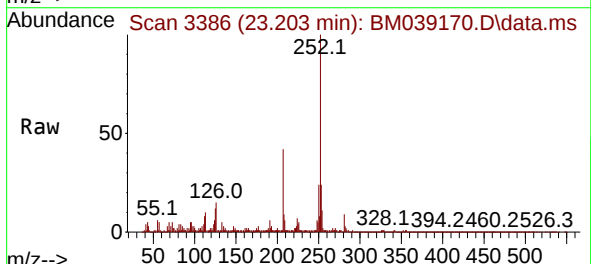
Instrument :
BNA_M
ClientSampleId :
VNJ-224

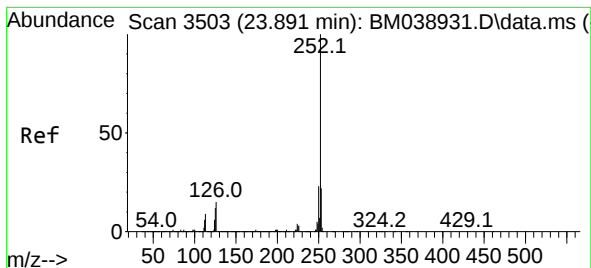
Tgt Ion:252 Resp: 2019071
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.4 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 19.790 ng
RT: 23.203 min Scan# 3386
Delta R.T. -0.047 min
Lab File: BM039170.D
Acq: 27 Mar 2023 21:09

Tgt Ion:252 Resp: 2019071
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.4 8.9 13.3





#90

Benzo(a)pyrene

Concen: 5.932 ng

RT: 23.839 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Instrument :

BNA_M

ClientSampleId :

VNJ-224

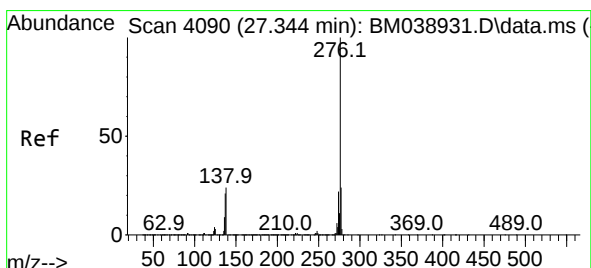
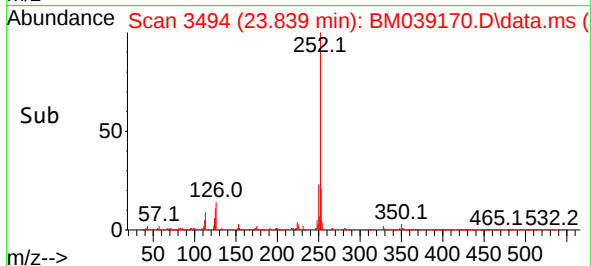
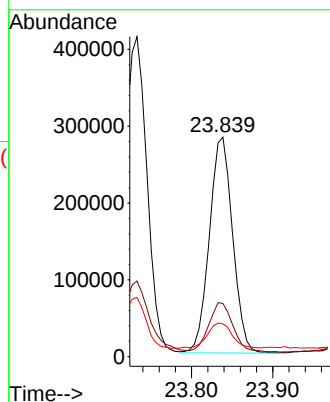
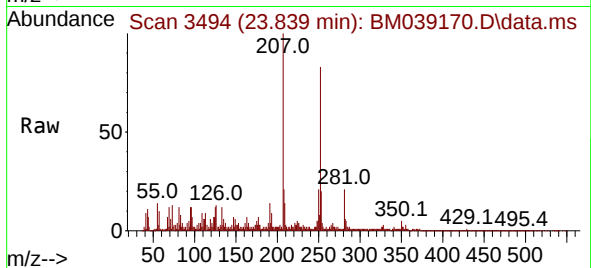
Tgt Ion:252 Resp: 559670

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 15.0 9.8 14.8#



#92

Benzo(g,h,i)perylene

Concen: 3.689 ng

RT: 27.250 min Scan# 4074

Delta R.T. 0.006 min

Lab File: BM039170.D

Acq: 27 Mar 2023 21:09

Tgt Ion:276 Resp: 356874

Ion Ratio Lower Upper

276 100

277 26.4 19.3 28.9

138 26.5 19.0 28.6

