

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039188.D
 Acq On : 28 Mar 2023 20:22
 Operator : CG/JU
 Sample : 02106-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-238

Quant Time: Mar 29 01:32:15 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)

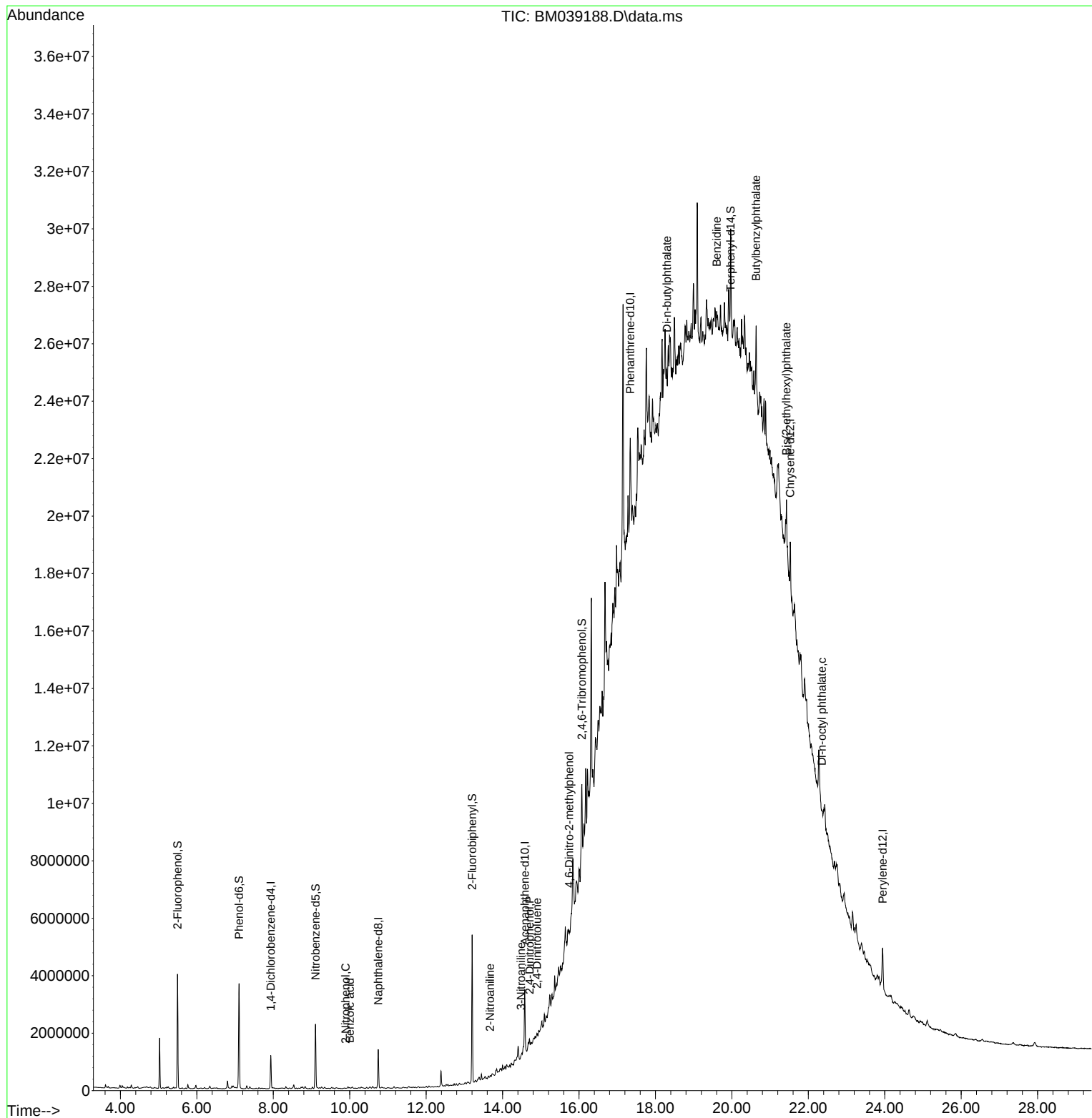
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	291444	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1091840	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	625028	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1028225	20.000	ng	# 0.01
76) Chrysene-d12	21.527	240	912186	20.000	ng	# 0.02
86) Perylene-d12	23.944	264	1043275	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1688706	88.032	ng	0.00
7) Phenol-d6	7.104	99	2089073	83.842	ng	0.00
23) Nitrobenzene-d5	9.104	82	1259062	56.644	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	621563	85.963	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	2510855	52.296	ng	0.00
79) Terphenyl-d14	19.968	244	2541323	50.937	ng	0.02
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.892	139	116	3.001	ng	# 1
32) Benzoic acid	10.004	122	13142	6.618	ng	91
48) 2-Nitroaniline	13.675	65	363	2.242	ng	# 69
53) 3-Nitroaniline	14.486	138	5725	2.034	ng	# 15
54) 2,4-Dinitrophenol	14.704	184	252	5.229	ng	# 1
57) 2,4-Dinitrotoluene	14.898	165	6809	2.537	ng	# 34
65) 4,6-Dinitro-2-methylph...	15.739	198	784	5.192	ng	# 1
74) Di-n-butylphthalate	18.298	149	66641	2.756	ng	# 30
77) Benzidine	19.604	184	6035	5.137	ng	# 1
80) Butylbenzylphthalate	20.633	149	25881	4.143	ng	# 60
84) Bis(2-ethylhexyl)phtha...	21.427	149	450422	12.625	ng	# 93
85) Di-n-octyl phthalate	22.356	149	31202	4.208	ng	# 77

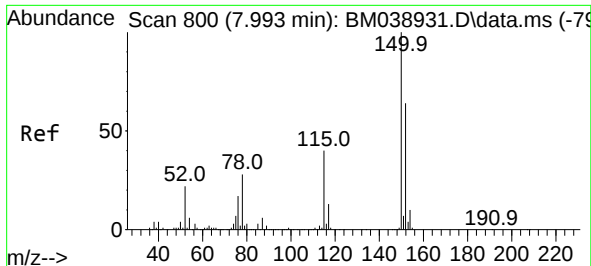
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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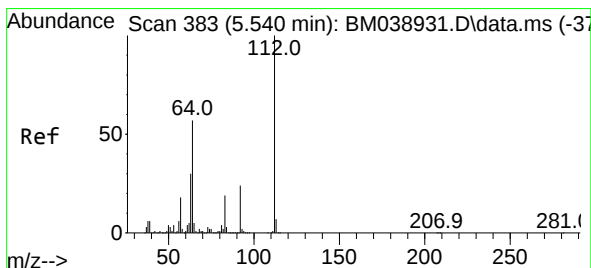
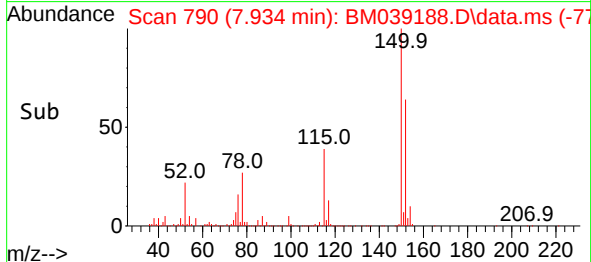
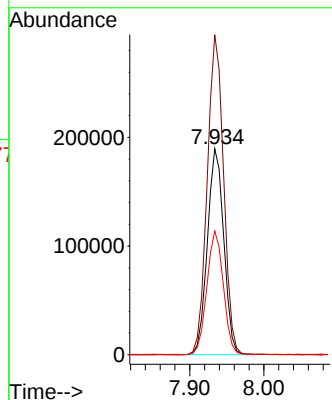
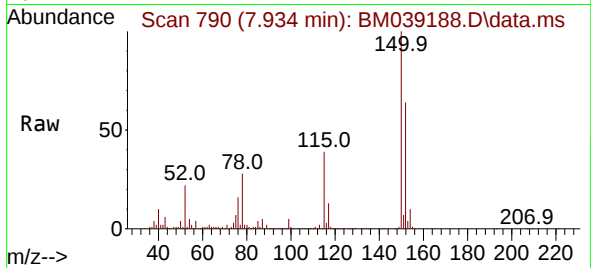




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

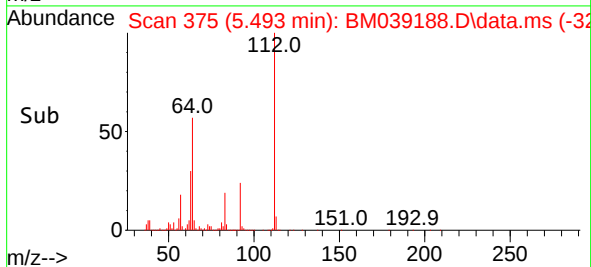
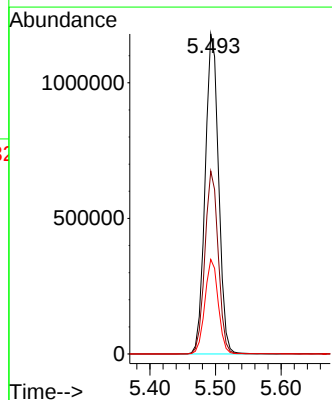
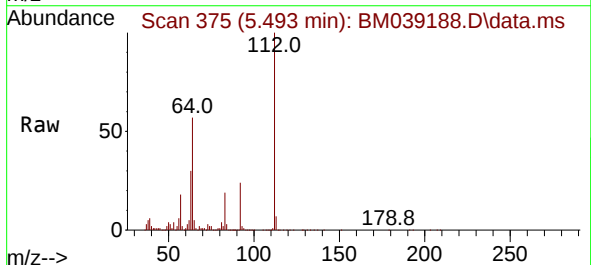
Instrument :
BNA_M
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VNJ-238

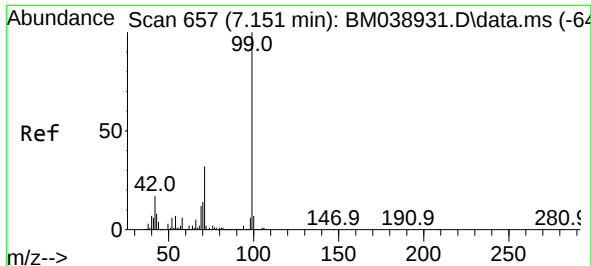
Tgt Ion:152 Resp: 291444
Ion Ratio Lower Upper
152 100
150 155.3 125.1 187.7
115 60.0 49.6 74.4



#5
2-Fluorophenol
Concen: 88.032 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion:112 Resp: 1688706
Ion Ratio Lower Upper
112 100
64 57.1 45.9 68.9
63 29.6 23.8 35.8



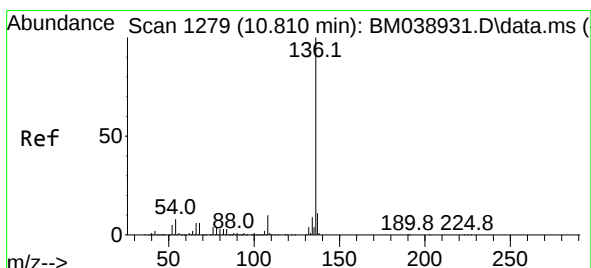
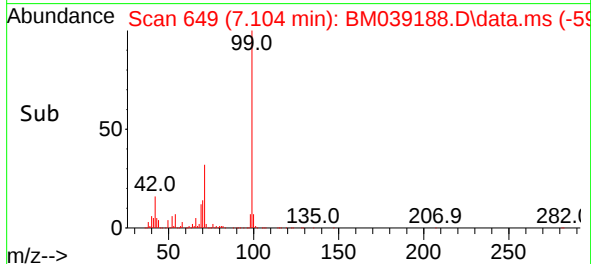
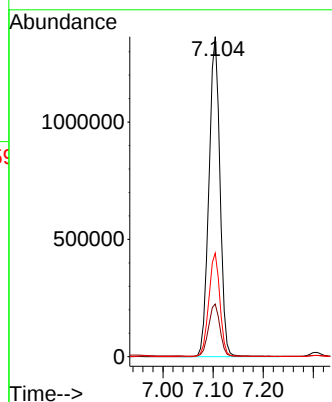
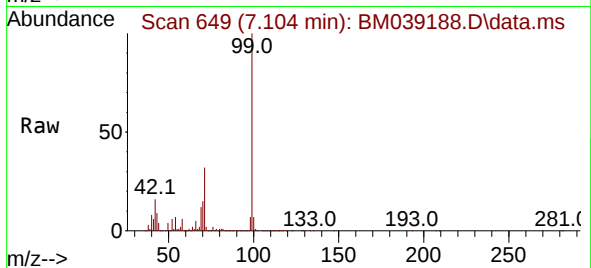


#7
Phenol-d6
Concen: 83.842 ng
RT: 7.104 min Scan# 649
Delta R.T. -0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Instrument :
BNA_M
ClientSampleId :
VNJ-238

Tgt Ion: 99 Resp: 2089073

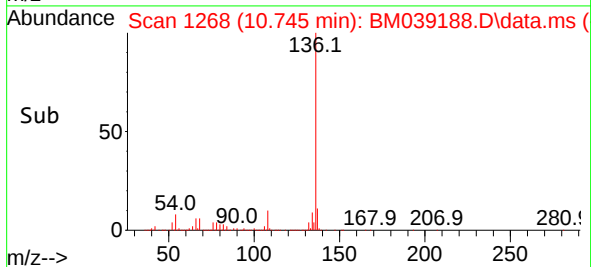
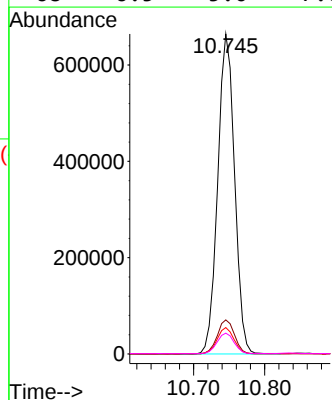
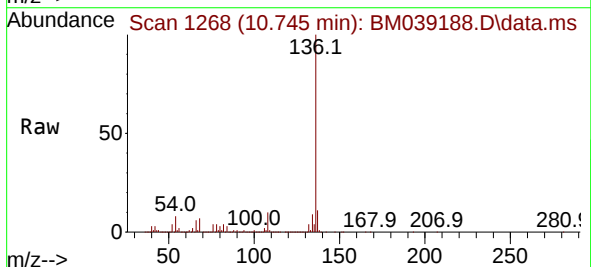
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.5	20.3
71	32.4	25.6	38.4

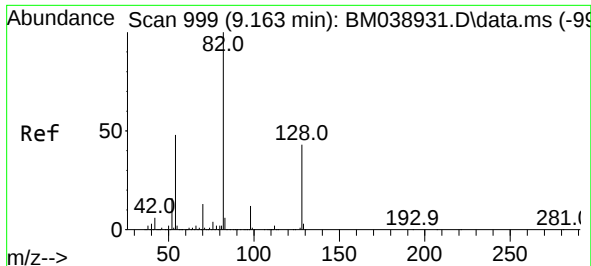


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion: 136 Resp: 1091840

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.3	6.3	9.5
68	6.5	5.0	7.6

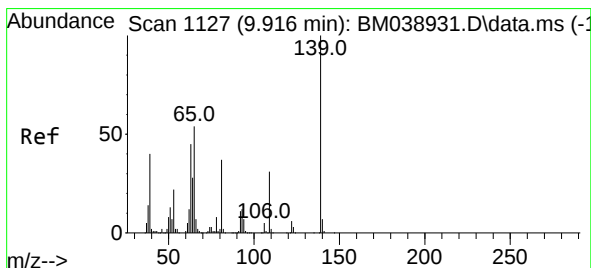
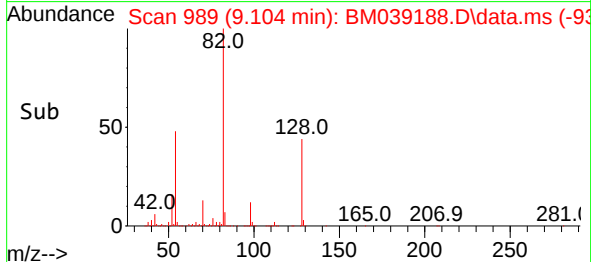
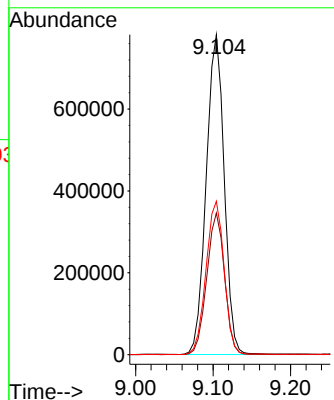
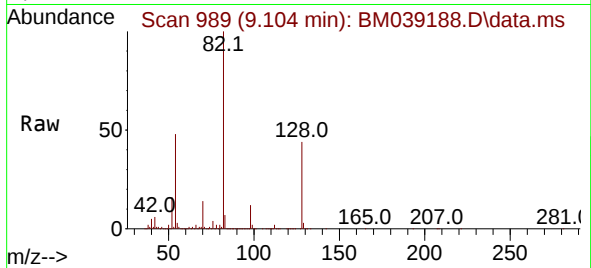




#23
Nitrobenzene-d5
Concen: 56.644 ng
RT: 9.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

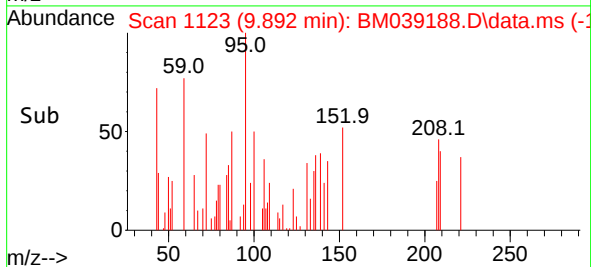
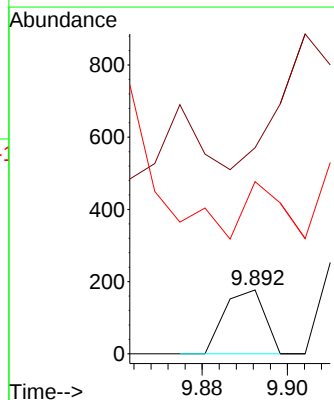
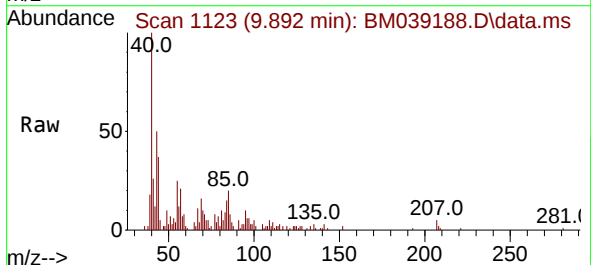
Instrument :
BNA_M
ClientSampleId :
VNJ-238

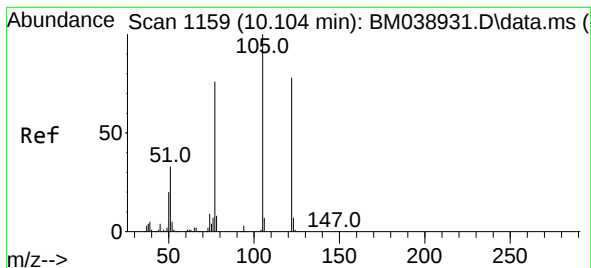
Tgt Ion: 82 Resp: 1259062
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 47.9 38.8 58.2



#26
2-Nitrophenol
Concen: 3.001 ng
RT: 9.892 min Scan# 1123
Delta R.T. 0.030 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion: 139 Resp: 116
Ion Ratio Lower Upper
139 100
109 322.6 24.5 36.7#
65 269.5 43.0 64.6#





#32

Benzoic acid

Concen: 6.618 ng

RT: 10.004 min Scan# 1159

Delta R.T. -0.094 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Instrument :

BNA_M

ClientSampleId :

VNJ-238

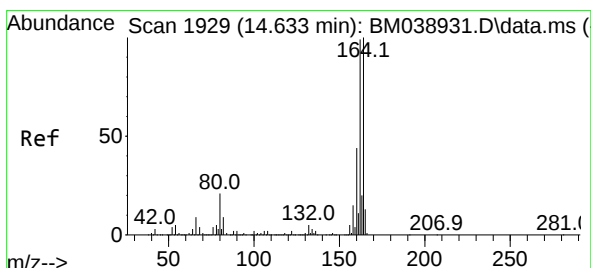
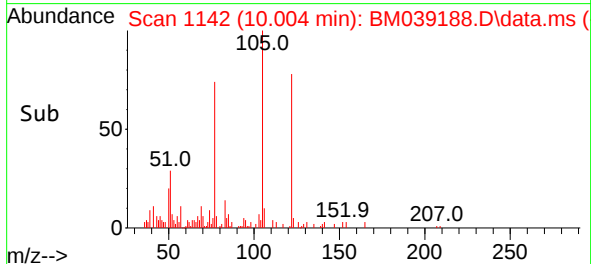
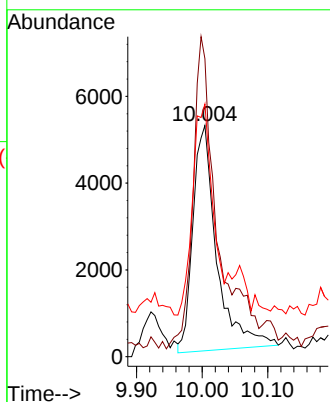
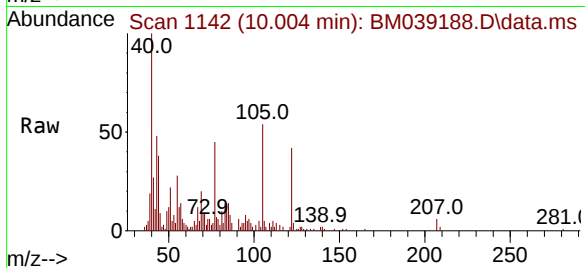
Tgt Ion:122 Resp: 13142

Ion Ratio Lower Upper

122 100

105 128.9 104.2 144.2

77 109.3 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

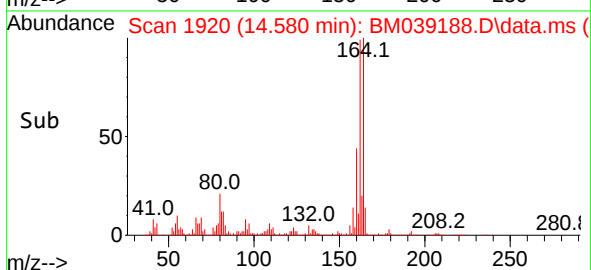
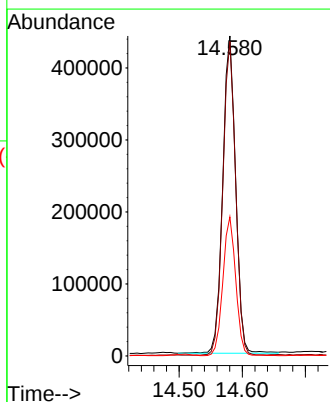
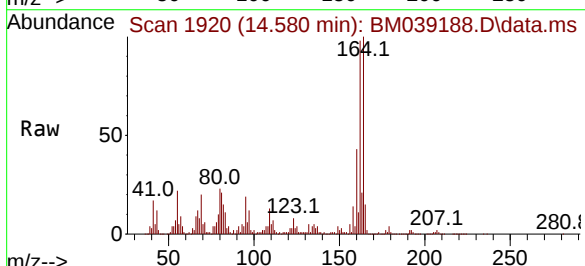
Tgt Ion:164 Resp: 625028

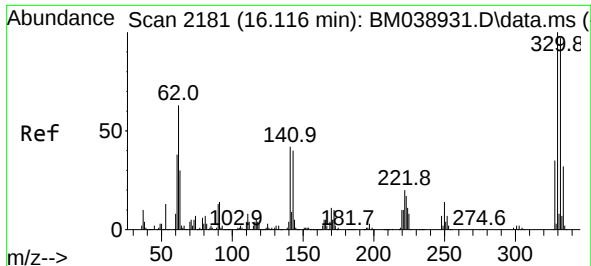
Ion Ratio Lower Upper

164 100

162 98.3 79.2 118.8

160 43.5 35.5 53.3

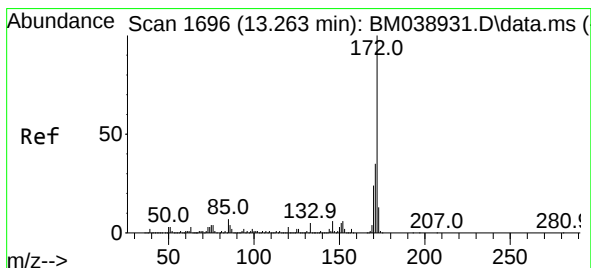
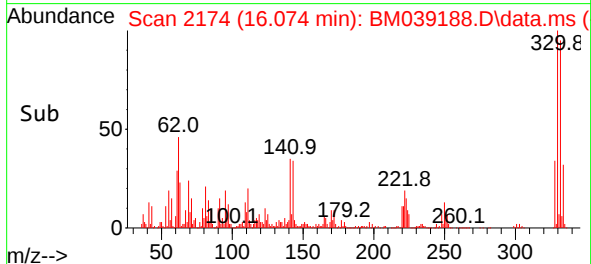
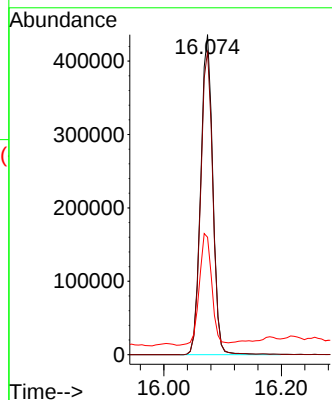
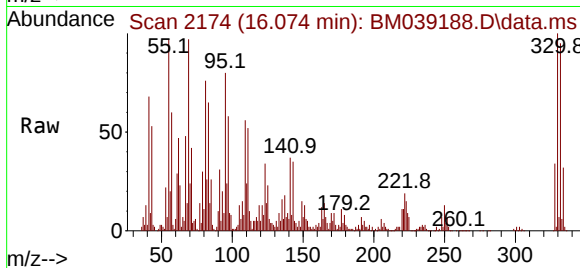




#42
2,4,6-Tribromophenol
Concen: 85.963 ng
RT: 16.074 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

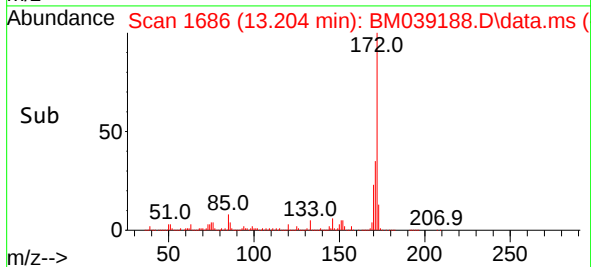
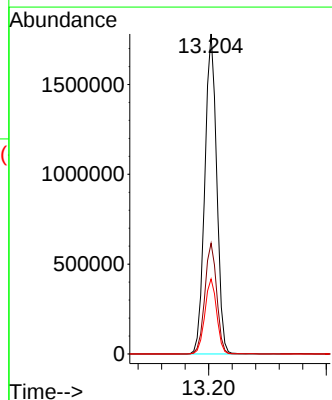
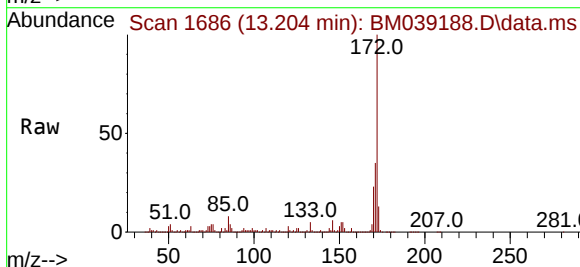
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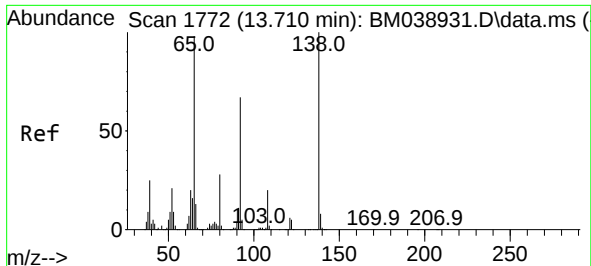
Tgt Ion:330 Resp: 621563
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 35.9 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 52.296 ng
RT: 13.204 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion:172 Resp: 2510855
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.4 19.1 28.7

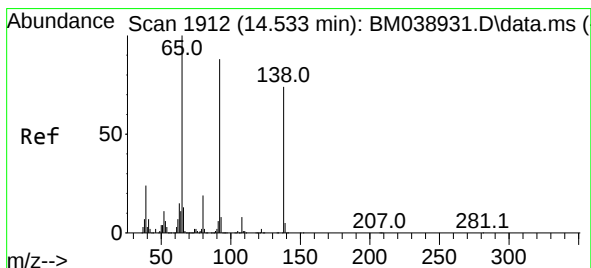
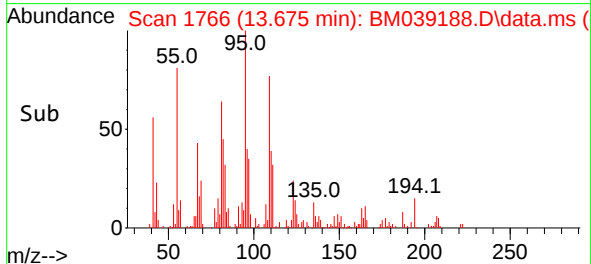
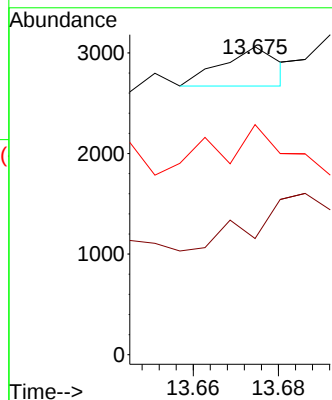
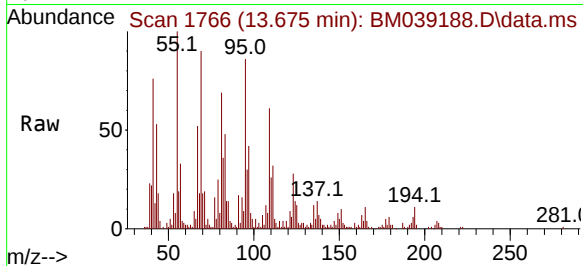




#48
2-Nitroaniline
Concen: 2.242 ng
RT: 13.675 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

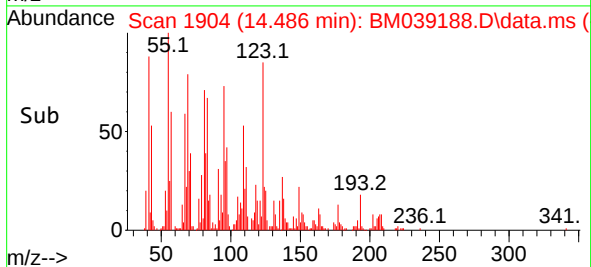
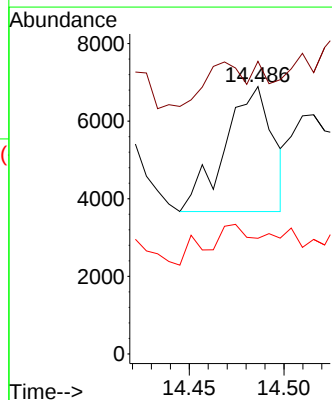
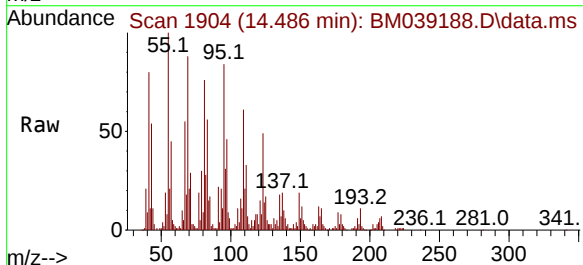
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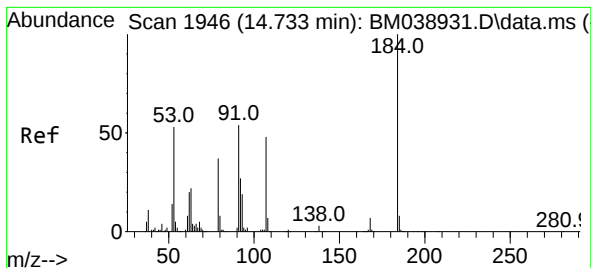
Tgt Ion: 65 Resp: 363
Ion Ratio Lower Upper
65 100
92 37.7 54.9 82.3#
138 74.8 81.6 122.4#



#53
3-Nitroaniline
Concen: 2.034 ng
RT: 14.486 min Scan# 1904
Delta R.T. -0.012 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion:138 Resp: 5725
Ion Ratio Lower Upper
138 100
108 109.5 8.3 12.5#
92 43.3 95.8 143.8#

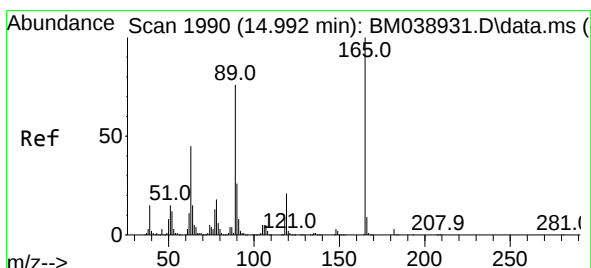
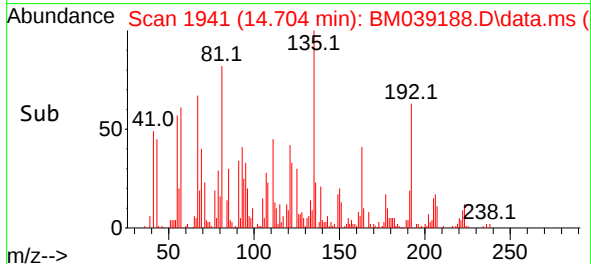
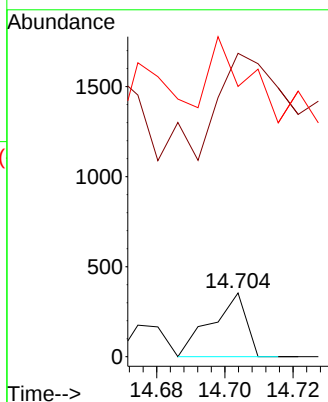
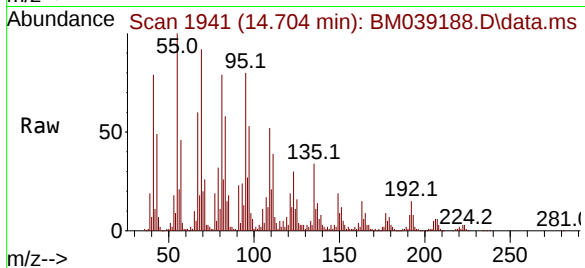




#54
2,4-Dinitrophenol
Concen: 5.229 ng
RT: 14.704 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

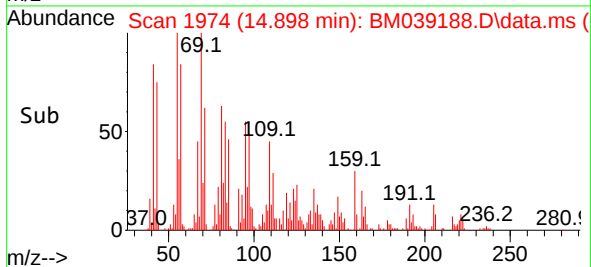
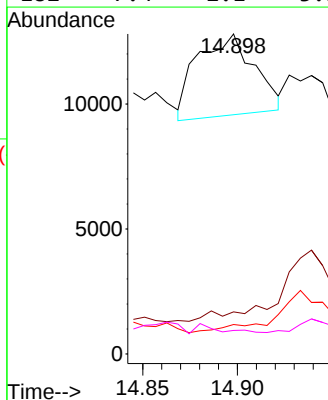
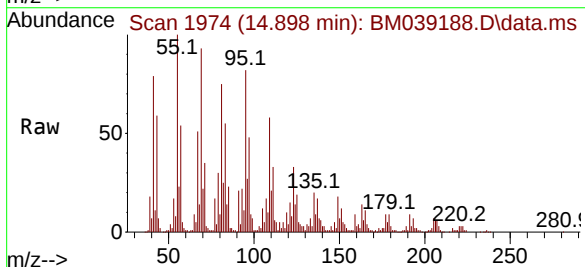
Instrument :
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VNJ-238

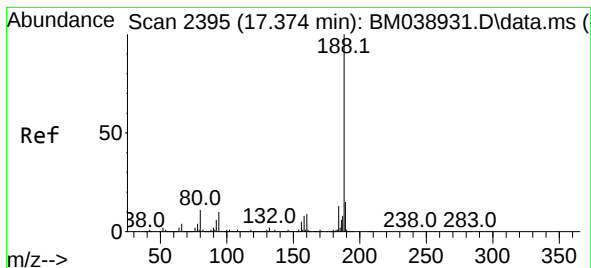
Tgt Ion:184 Resp: 252
Ion Ratio Lower Upper
184 100
63 476.0 60.6 90.8#
154 424.0 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 2.537 ng
RT: 14.898 min Scan# 1974
Delta R.T. -0.053 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion:165 Resp: 6809
Ion Ratio Lower Upper
165 100
63 13.1 35.9 53.9#
89 9.2 61.0 91.6#
182 7.4 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Instrument :

BNA_M

ClientSampleId :

VNJ-238

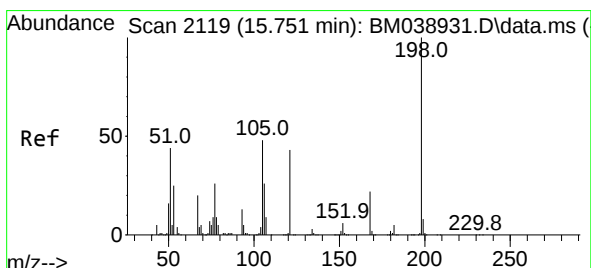
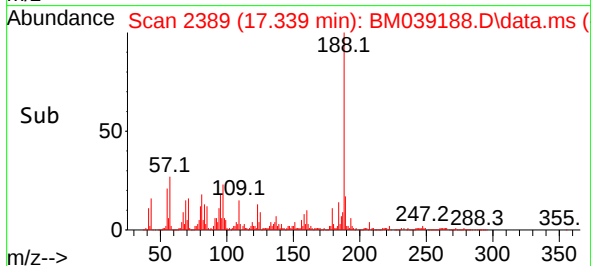
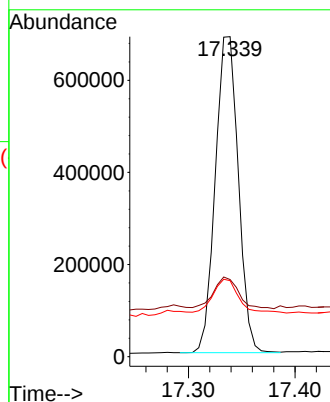
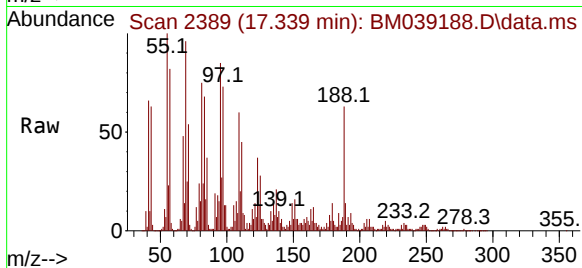
Tgt Ion:188 Resp: 1028225

Ion Ratio Lower Upper

188 100

94 24.1 7.9 11.9#

80 23.8 8.5 12.7#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.192 ng

RT: 15.739 min Scan# 2117

Delta R.T. 0.024 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

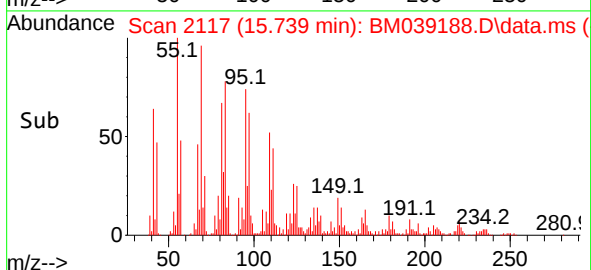
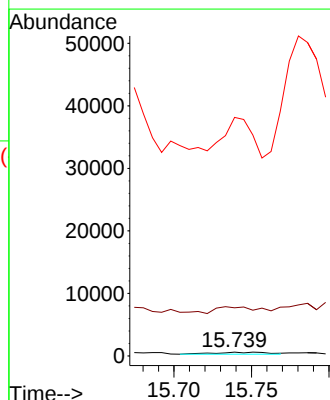
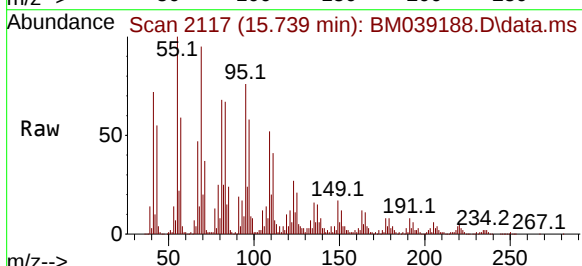
Tgt Ion:198 Resp: 784

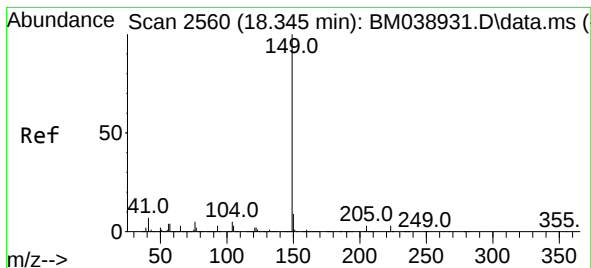
Ion Ratio Lower Upper

198 100

51 1245.7 30.1 70.1#

105 6163.5 29.3 69.3#





#74

Di-n-butylphthalate

Concen: 2.756 ng

RT: 18.298 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Instrument :

BNA_M

ClientSampleId :

VNJ-238

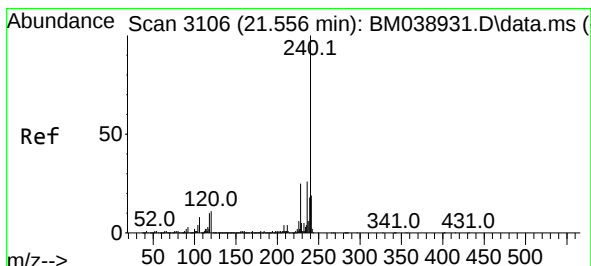
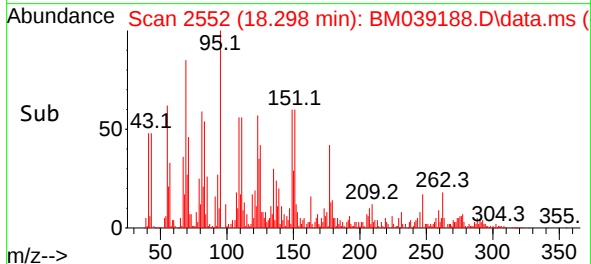
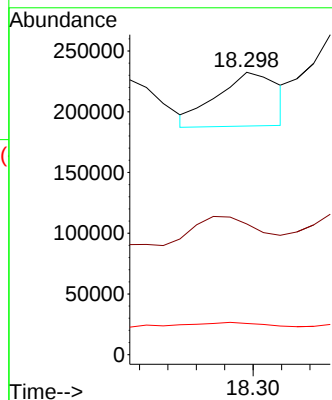
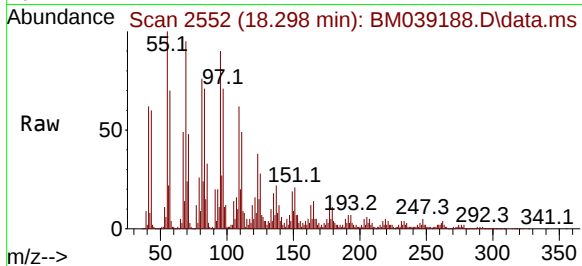
Tgt Ion:149 Resp: 66641

Ion Ratio Lower Upper

149 100

150 46.3 7.4 11.2#

104 11.1 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. 0.018 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

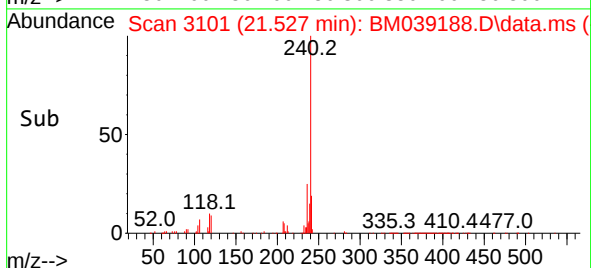
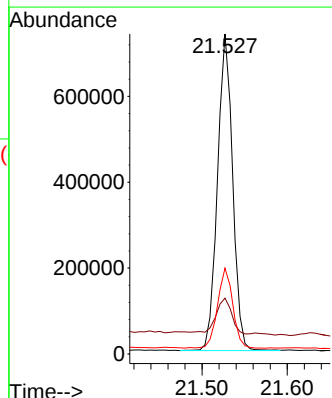
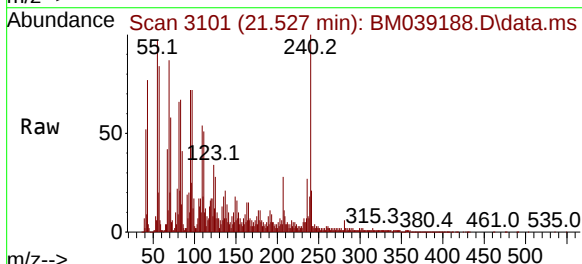
Tgt Ion:240 Resp: 912186

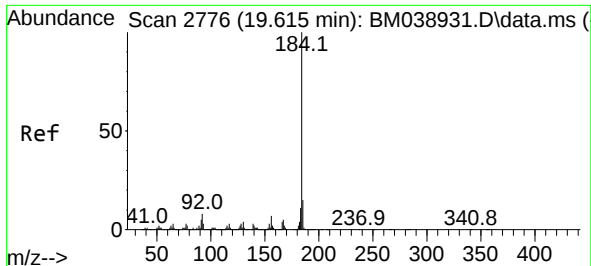
Ion Ratio Lower Upper

240 100

120 17.5 9.2 13.8#

236 26.8 20.8 31.2

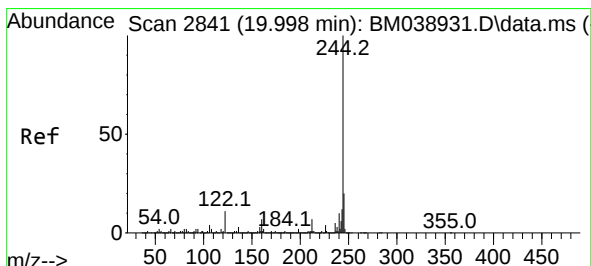
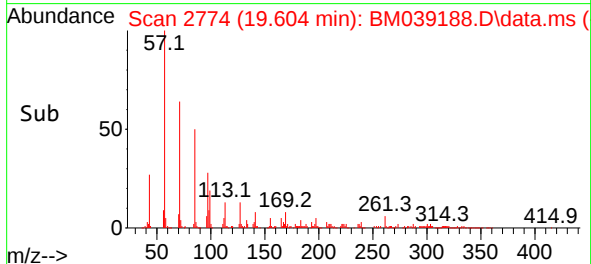
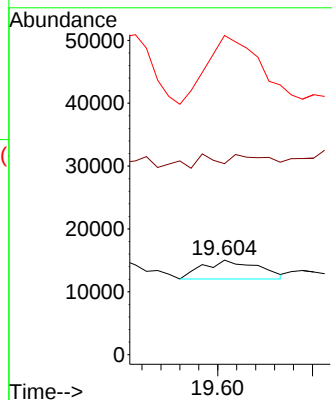
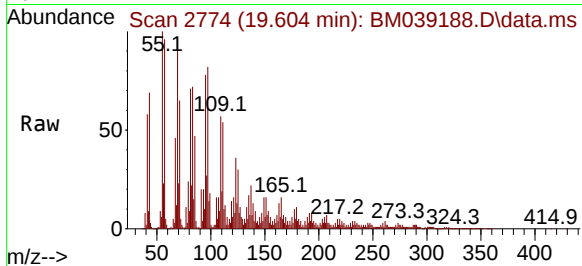




#77
Benzidine
Concen: 5.137 ng
RT: 19.604 min Scan# 21
Delta R.T. 0.030 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

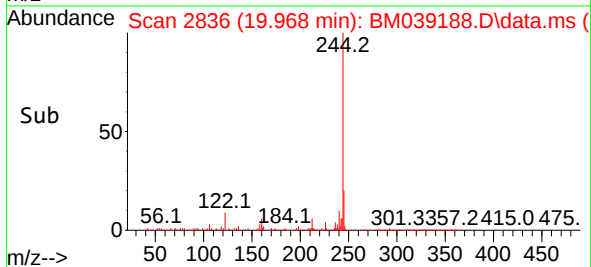
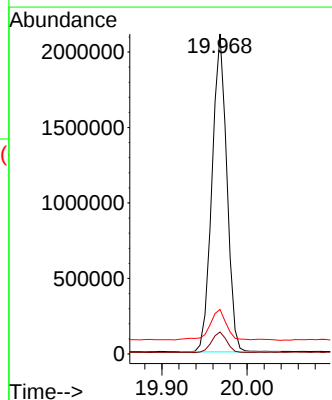
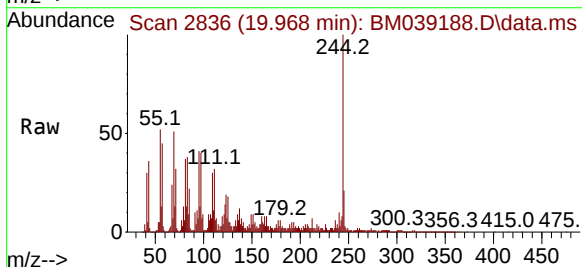
Instrument :
BNA_M
ClientSampleId :
VNJ-238

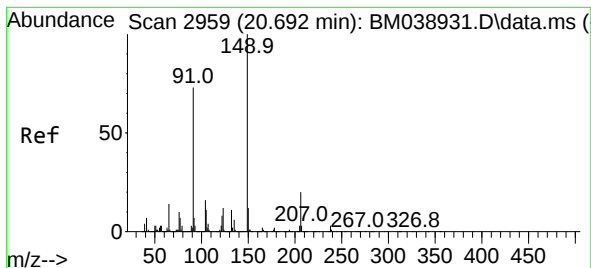
Tgt Ion:184 Resp: 6035
Ion Ratio Lower Upper
184 100
185 202.1 12.2 18.4#
183 337.4 8.8 13.2#



#79
Terphenyl-d14
Concen: 50.937 ng
RT: 19.968 min Scan# 2836
Delta R.T. 0.018 min
Lab File: BM039188.D
Acq: 28 Mar 2023 20:22

Tgt Ion:244 Resp: 2541323
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 13.9 9.0 13.4#





#80

Butylbenzylphthalate

Concen: 4.143 ng

RT: 20.633 min Scan# 2959

Delta R.T. -0.012 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Instrument :

BNA_M

ClientSampleId :

VNJ-238

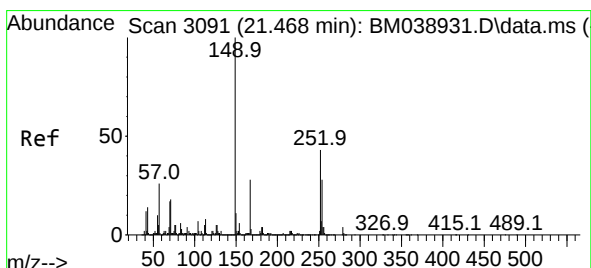
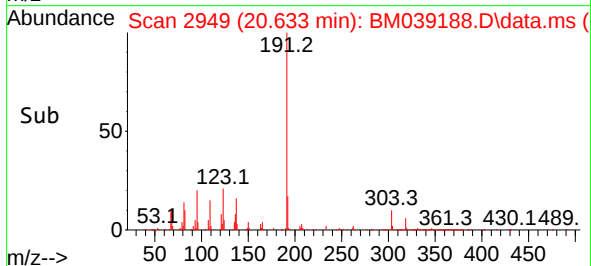
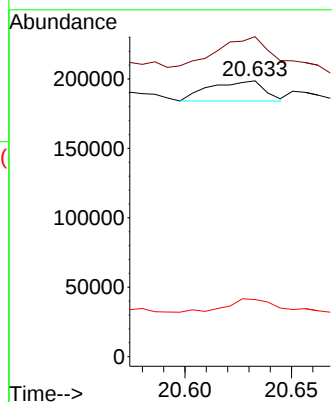
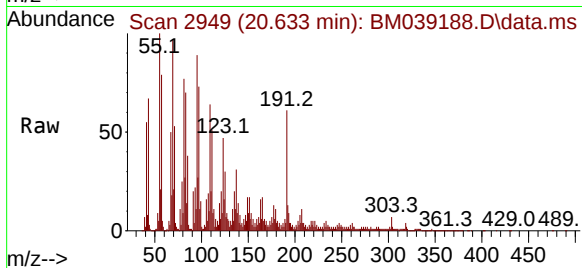
Tgt Ion:149 Resp: 25881

Ion Ratio Lower Upper

149 100

91 116.0 58.4 87.6#

206 20.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.625 ng

RT: 21.427 min Scan# 3084

Delta R.T. 0.012 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

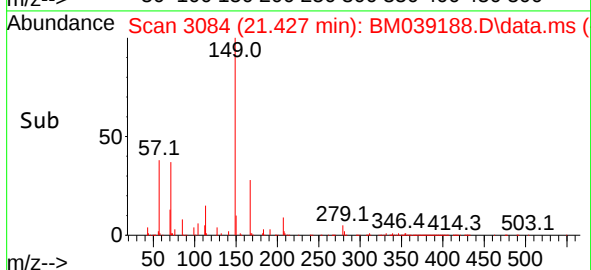
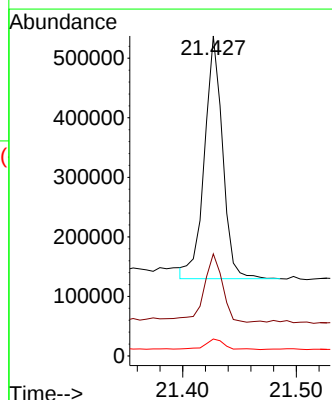
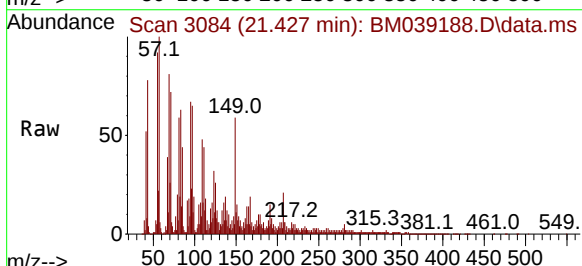
Tgt Ion:149 Resp: 450422

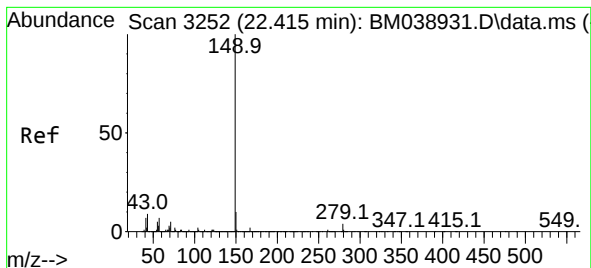
Ion Ratio Lower Upper

149 100

167 31.9 22.3 33.5

279 5.3 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 4.208 ng

RT: 22.356 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Instrument :

BNA_M

ClientSampleId :

VNJ-238

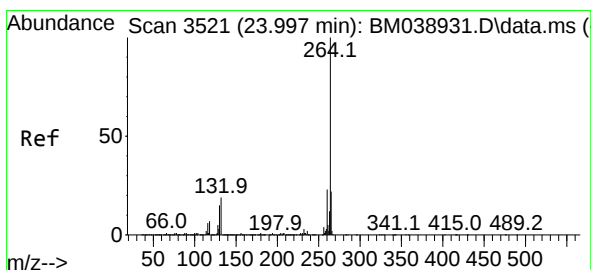
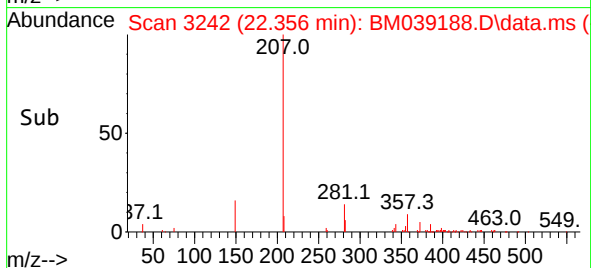
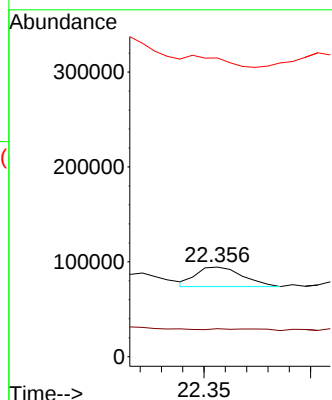
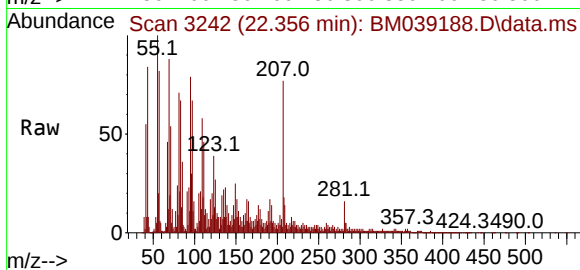
Tgt Ion:149 Resp: 31202

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# 3512

Delta R.T. 0.018 min

Lab File: BM039188.D

Acq: 28 Mar 2023 20:22

Tgt Ion:264 Resp: 1043275

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.7 17.9 26.9

