

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039192.D
 Acq On : 28 Mar 2023 22:49
 Operator : CG/JU
 Sample : 02108-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

Quant Time: Mar 29 01:33:27 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)

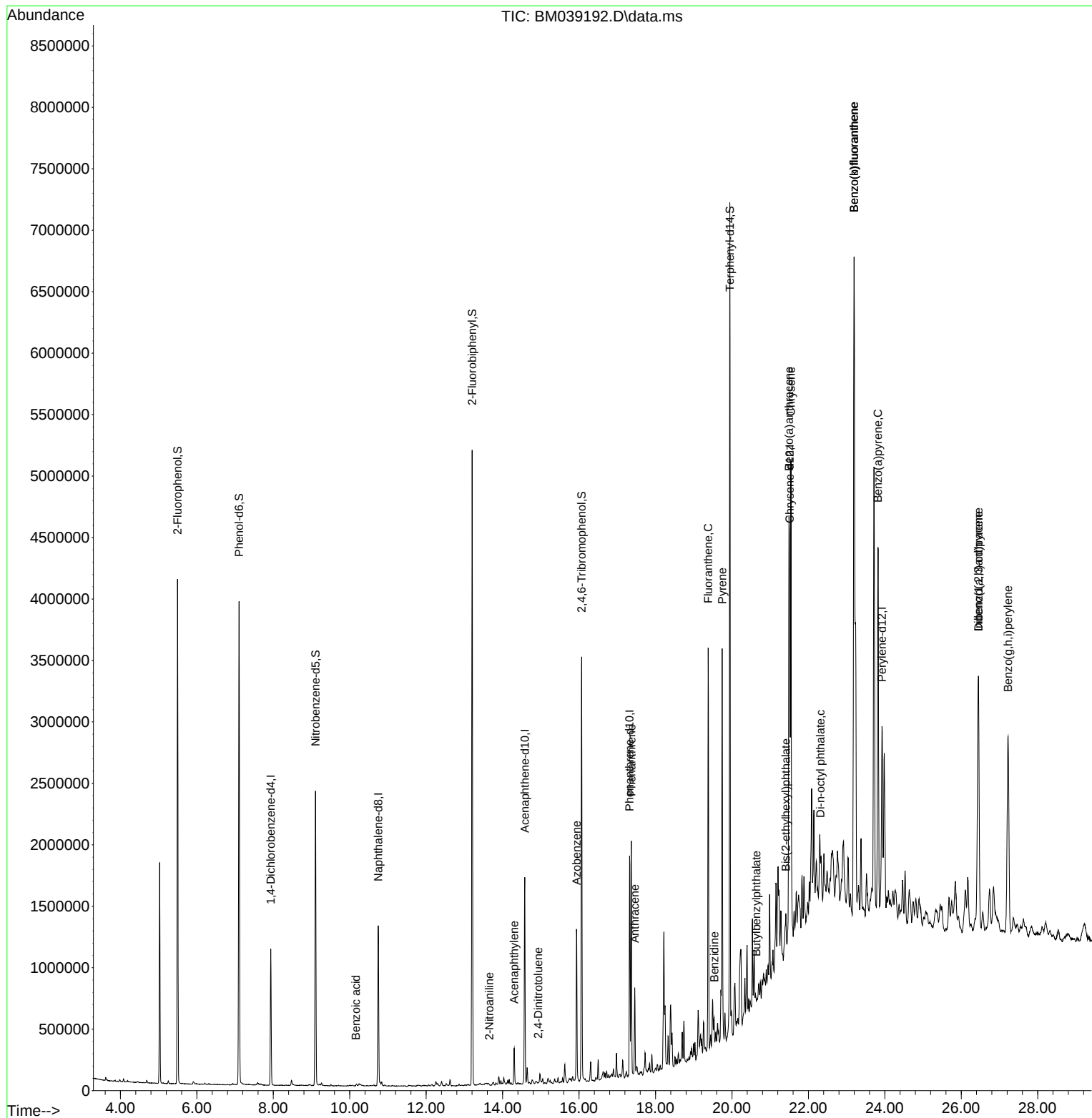
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	286052	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1086279	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	558535	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	1073827	20.000	ng	0.00
76) Chrysene-d12	21.509	240	989057	20.000	ng	0.00
86) Perylene-d12	23.927	264	1114587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1795946	95.387	ng	0.00
7) Phenol-d6	7.104	99	2251270	92.055	ng	0.00
23) Nitrobenzene-d5	9.104	82	1373951	62.129	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	593648	91.877	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	2603906	60.690	ng	0.00
79) Terphenyl-d14	19.945	244	3166545	58.536	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.163	122	233	5.749	ng	# 1
48) 2-Nitroaniline	13.651	65	76	2.222	ng	# 28
49) Acenaphthylene	14.304	152	226472	3.985	ng	98
57) 2,4-Dinitrotoluene	14.933	165	308	2.095	ng	# 54
63) Azobenzene	15.933	77	348274	7.871	ng	# 1
71) Phenanthrene	17.368	178	1088115	17.265	ng	99
72) Anthracene	17.456	178	428369	6.816	ng	99
75) Fluoranthene	19.380	202	1803436	27.102	ng	98
77) Benzidine	19.539	184	1392	4.932	ng	# 1
78) Pyrene	19.745	202	1857567	25.006	ng	99
80) Butylbenzylphthalate	20.639	149	1723	3.367	ng	# 61
81) Benzo(a)anthracene	21.492	228	1546004	21.705	ng	97
83) Chrysene	21.544	228	2387468	34.464	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	82500	4.198	ng	# 99
85) Di-n-octyl phthalate	22.315	149	101780	5.033	ng	# 73
87) Indeno(1,2,3-cd)pyrene	26.450	276	2093734	24.687	ng	96
88) Benzo(b)fluoranthene	23.197	252	4626149	64.967	ng	99
89) Benzo(k)fluoranthene	23.197	252	4626149	62.427	ng	99
90) Benzo(a)pyrene	23.821	252	2270217	33.127	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	645085	8.981	ng	# 93
92) Benzo(g,h,i)perylene	27.226	276	2075879	29.541	ng	100

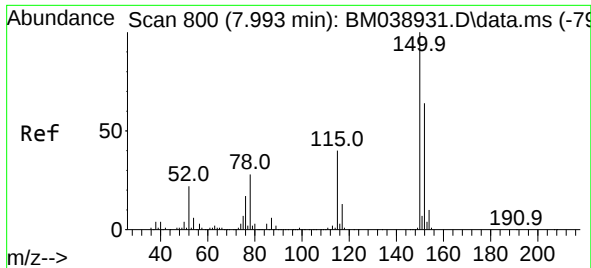
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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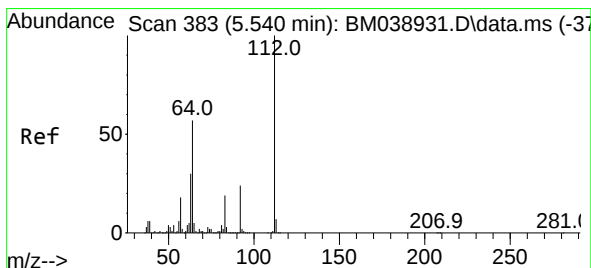
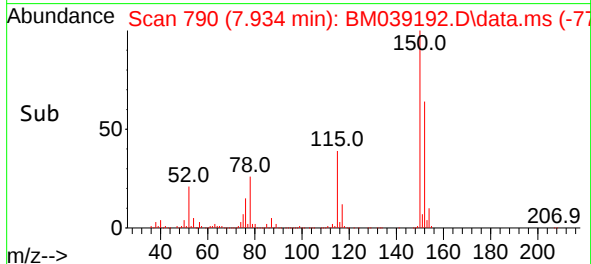
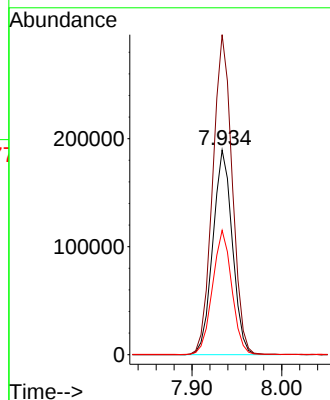
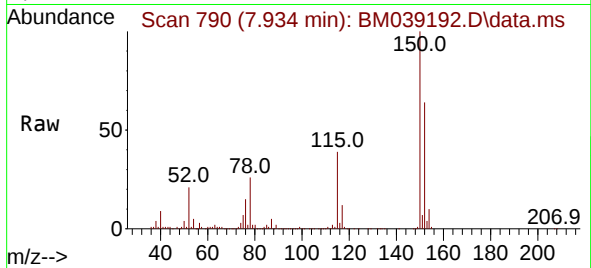




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

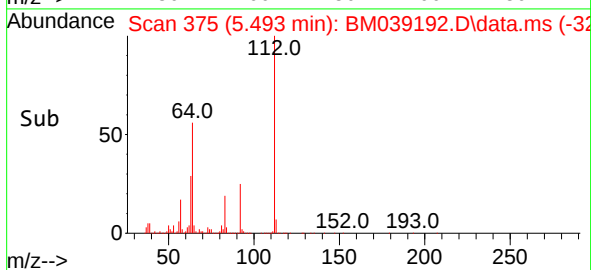
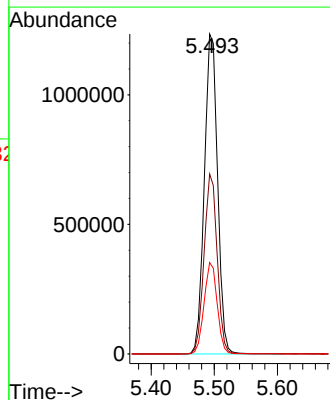
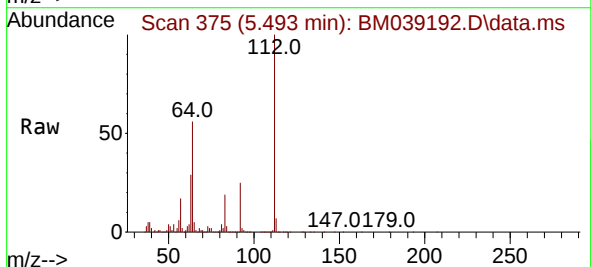
Instrument :
BNA_M
ClientSampleId :
VNJ-235

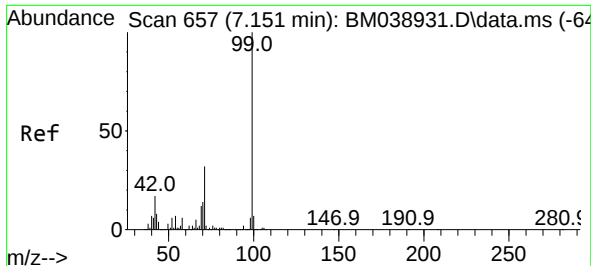
Tgt Ion:152 Resp: 286052
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 60.8 49.6 74.4



#5
2-Fluorophenol
Concen: 95.387 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:112 Resp: 1795946
Ion Ratio Lower Upper
112 100
64 56.3 45.9 68.9
63 28.5 23.8 35.8



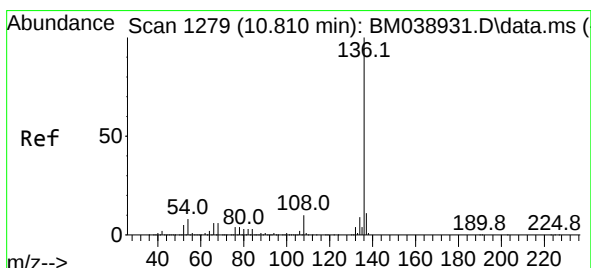
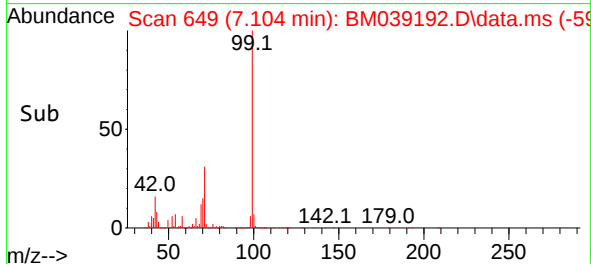
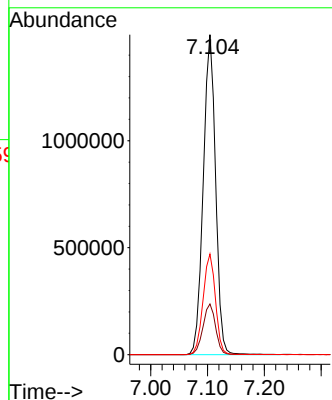
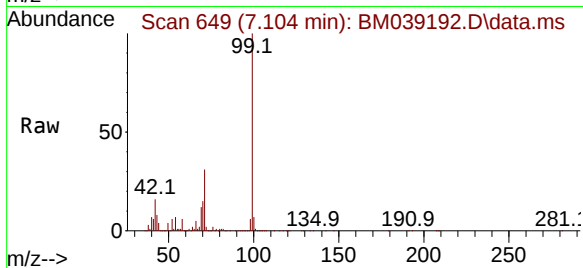


#7
Phenol-d6
Concen: 92.055 ng
RT: 7.104 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion: 99 Resp: 2251270

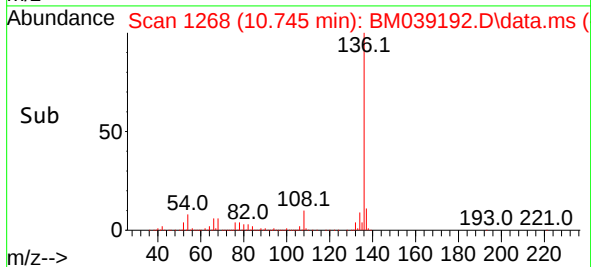
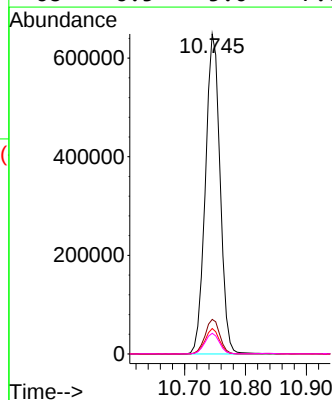
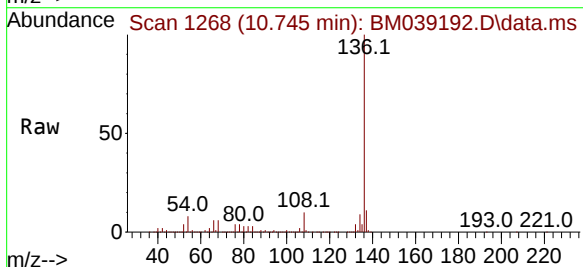
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	31.4	25.6	38.4

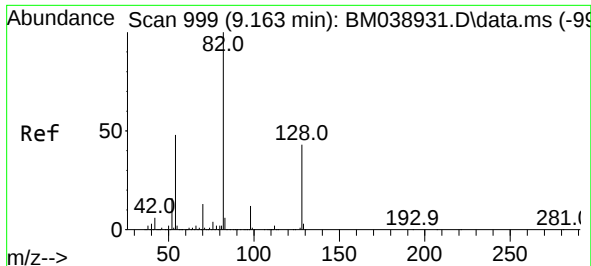


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion: 136 Resp: 1086279

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.9	6.3	9.5
68	6.5	5.0	7.6

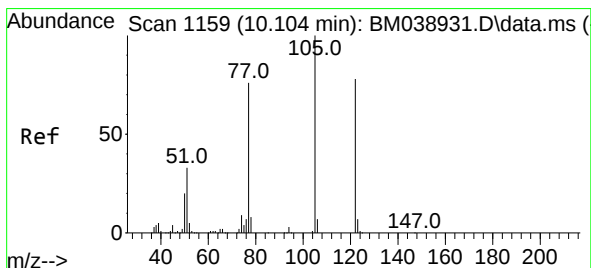
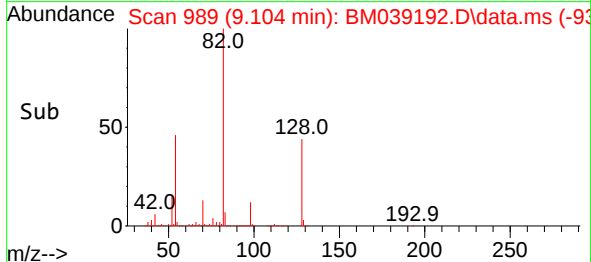
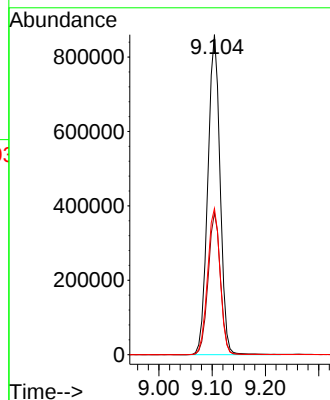
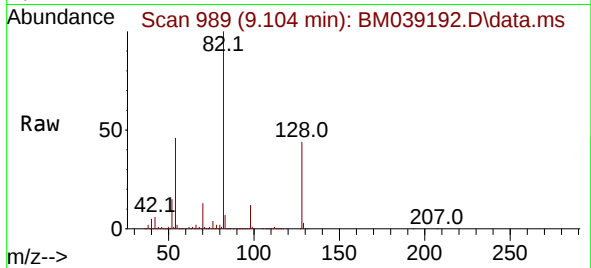




#23
Nitrobenzene-d5
Concen: 62.129 ng
RT: 9.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

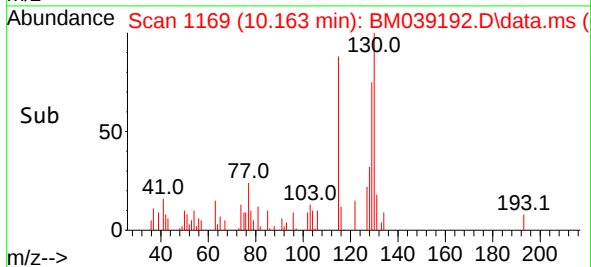
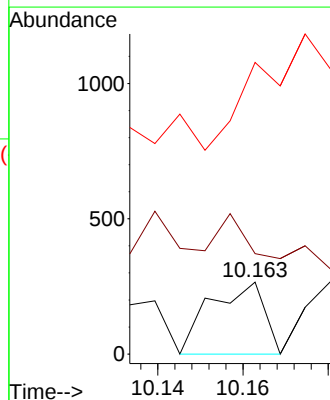
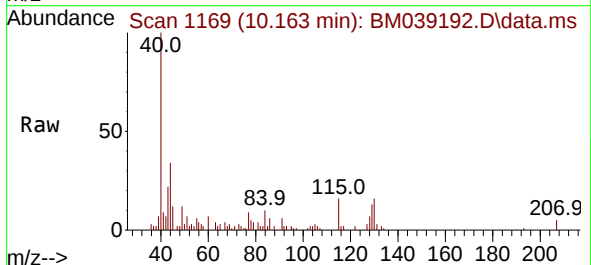
Instrument :
BNA_M
ClientSampleId :
VNJ-235

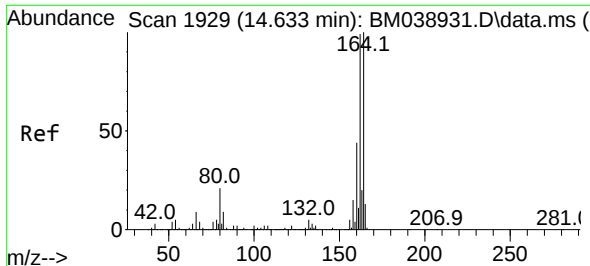
Tgt Ion: 82 Resp: 1373951
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 45.7 38.8 58.2



#32
Benzoic acid
Concen: 5.749 ng
RT: 10.163 min Scan# 1169
Delta R.T. 0.065 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:122 Resp: 233
Ion Ratio Lower Upper
122 100
105 139.5 104.2 144.2
77 405.3 75.1 115.1#

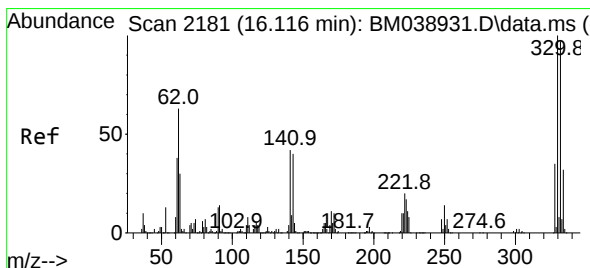
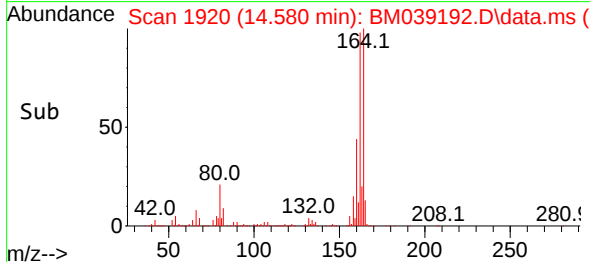
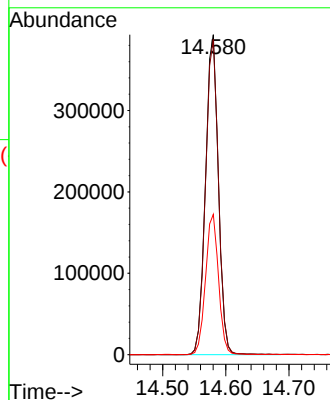
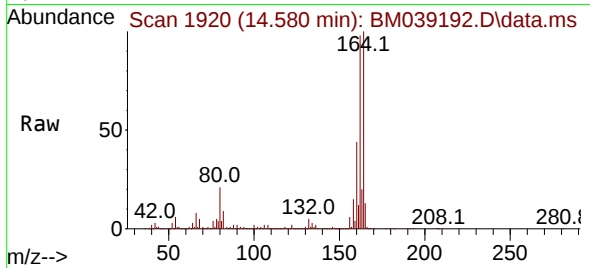




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

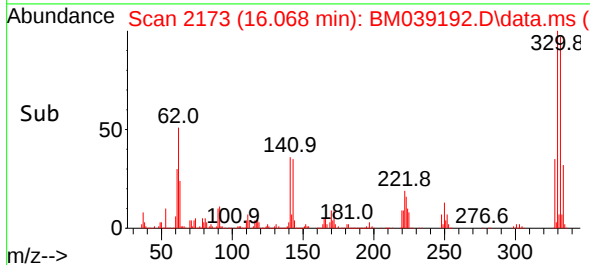
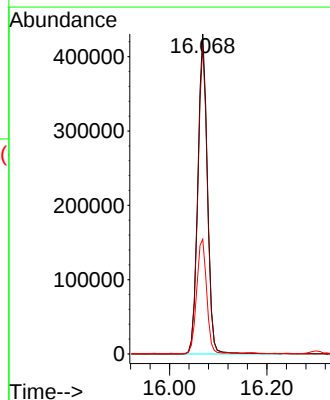
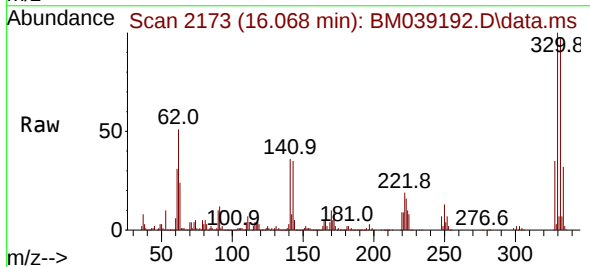
Instrument :
BNA_M
ClientSampleId :
VNJ-235

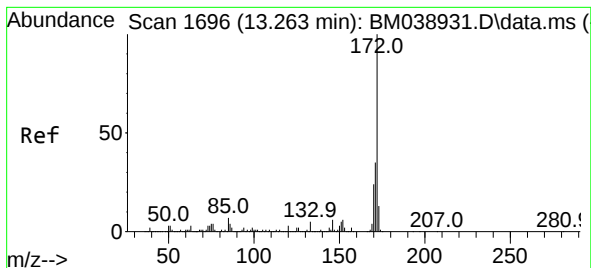
Tgt Ion:164 Resp: 558535
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 91.877 ng
RT: 16.068 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:330 Resp: 593648
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 36.9 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 60.690 ng

RT: 13.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

Instrument :

BNA_M

ClientSampleId :

VNJ-235

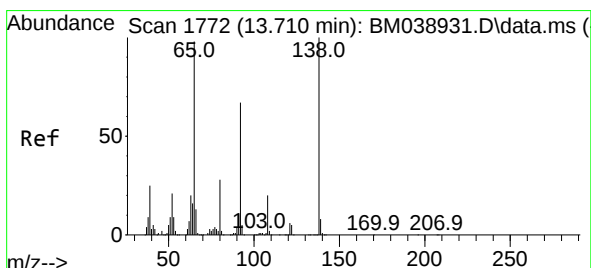
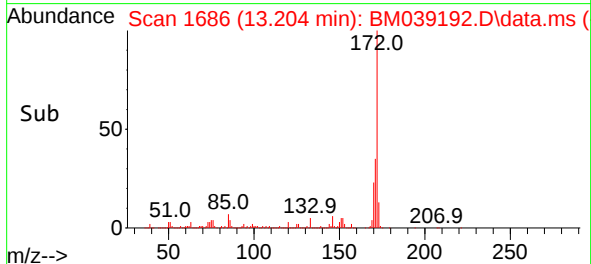
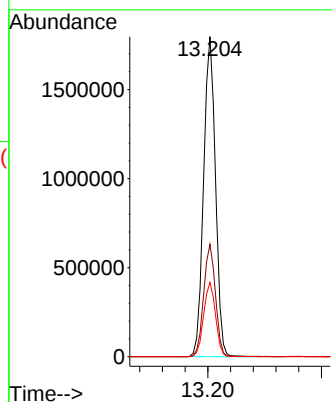
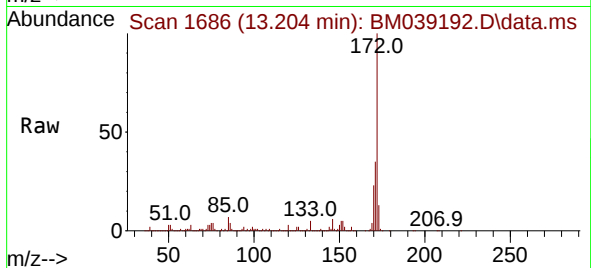
Tgt Ion:172 Resp: 2603906

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.2 19.1 28.7



#48

2-Nitroaniline

Concen: 2.222 ng

RT: 13.651 min Scan# 1762

Delta R.T. -0.018 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

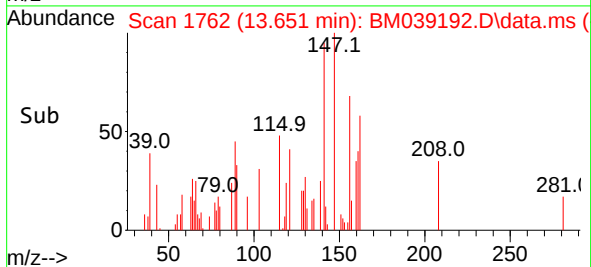
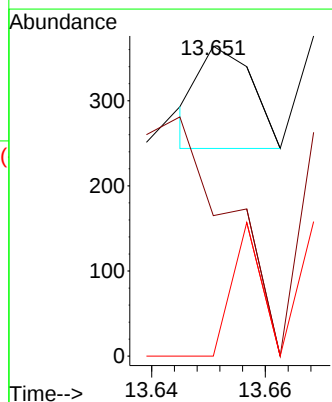
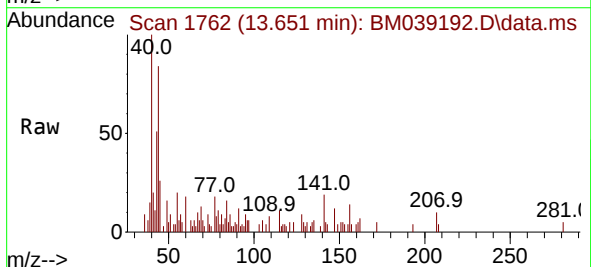
Tgt Ion: 65 Resp: 76

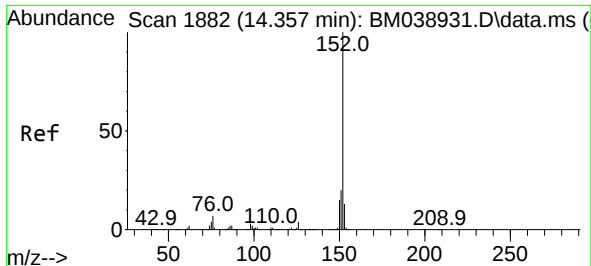
Ion Ratio Lower Upper

65 100

92 45.3 54.9 82.3#

138 0.0 81.6 122.4#

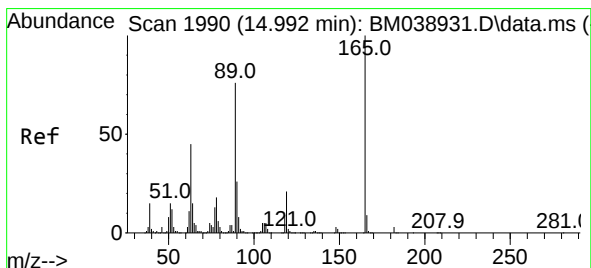
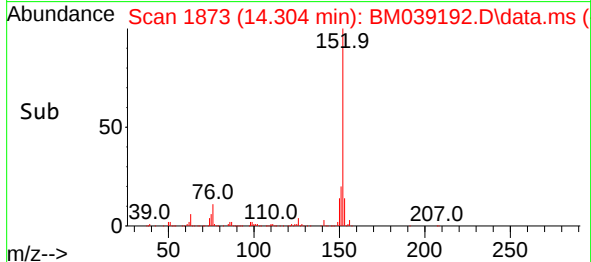
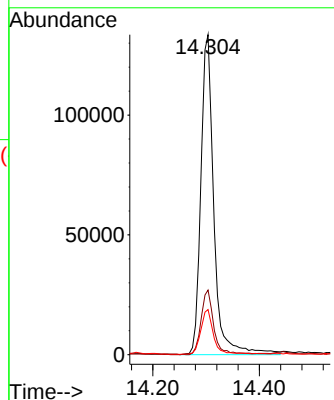
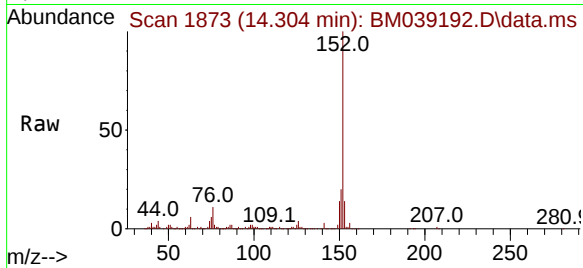




#49
Acenaphthylene
Concen: 3.985 ng
RT: 14.304 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

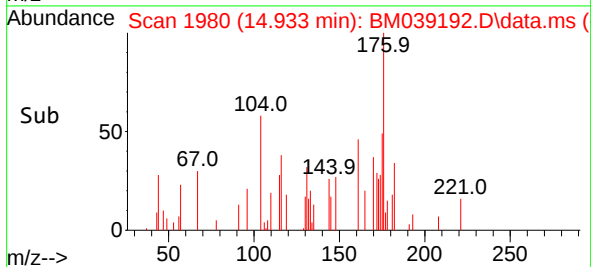
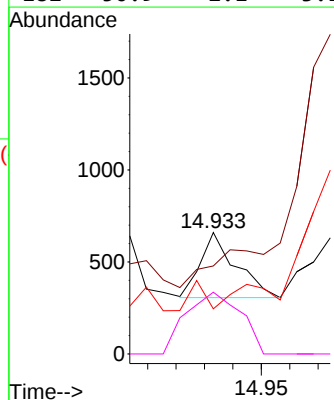
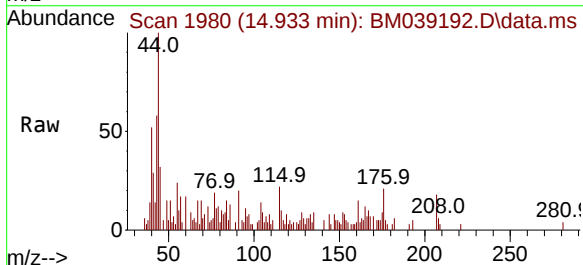
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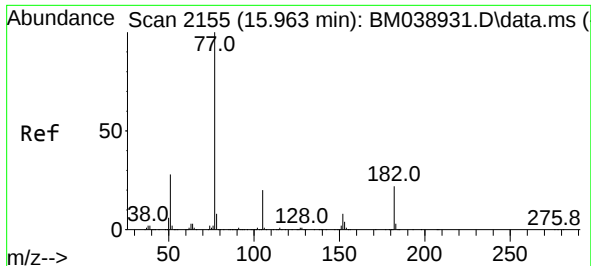
Tgt Ion:152 Resp: 226472
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 14.1 10.4 15.6



#57
2,4-Dinitrotoluene
Concen: 2.095 ng
RT: 14.933 min Scan# 1980
Delta R.T. -0.018 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:165 Resp: 308
Ion Ratio Lower Upper
165 100
63 72.4 35.9 53.9#
89 37.1 61.0 91.6#
182 50.9 2.1 3.1#

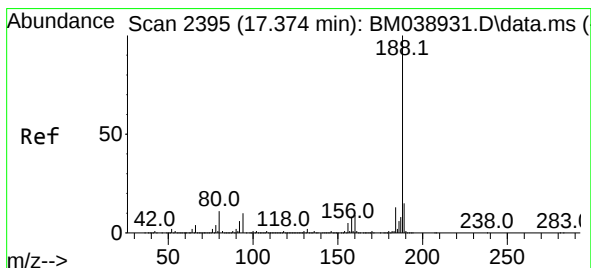
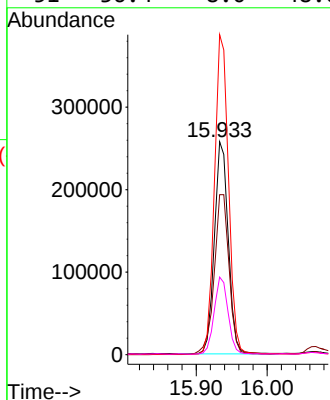
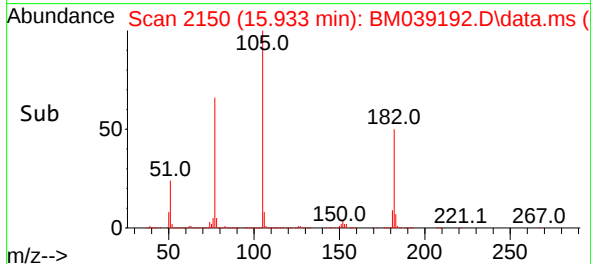
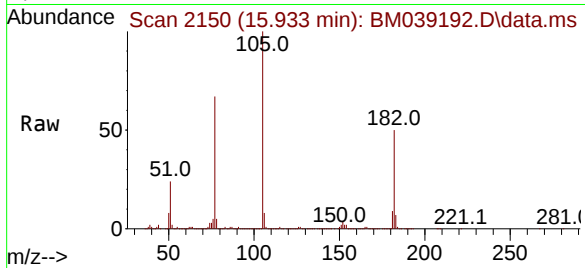




#63
Azobenzene
Concen: 7.871 ng
RT: 15.933 min Scan# 2155
Delta R.T. 0.018 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

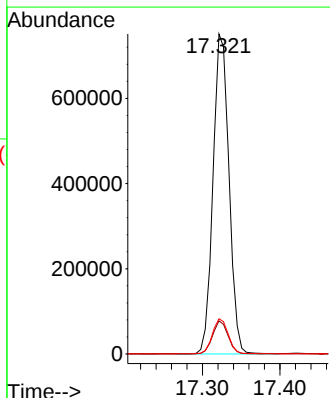
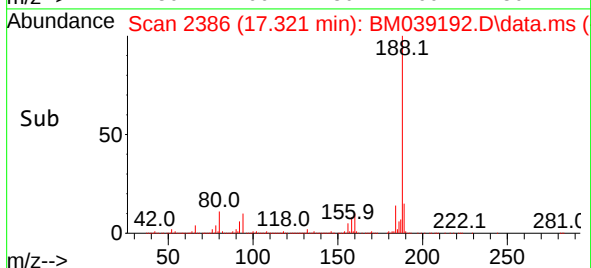
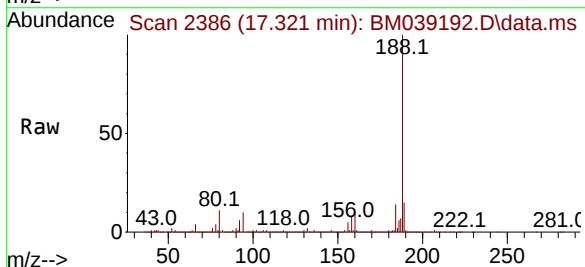
Instrument :
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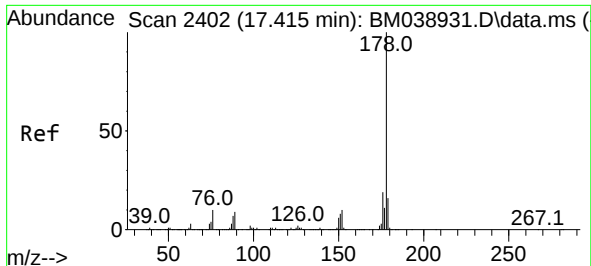
Tgt Ion: 77 Resp: 348274
Ion Ratio Lower Upper
77 100
182 75.1 2.0 42.0#
105 150.2 0.4 40.4#
51 36.4 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion: 188 Resp: 1073827
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.0 8.5 12.7

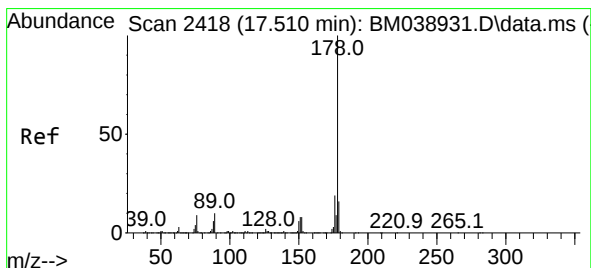
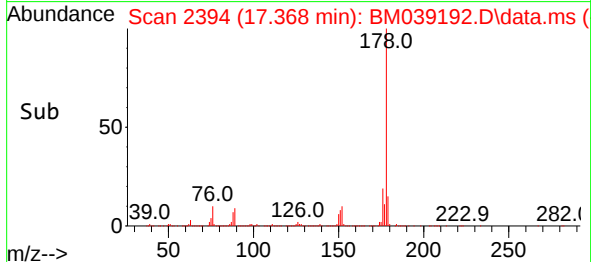
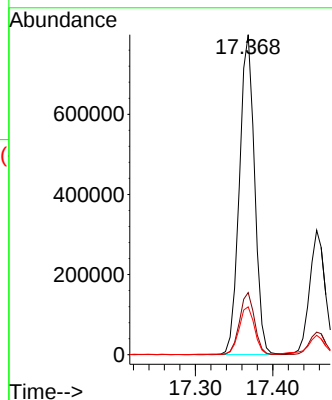
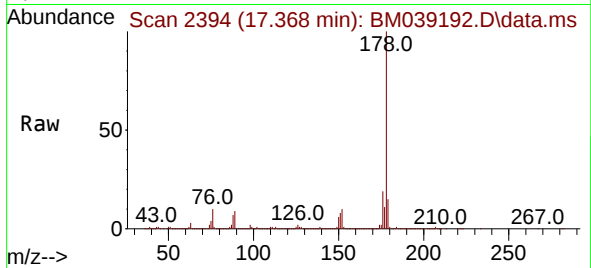




#71
Phenanthrene
Concen: 17.265 ng
RT: 17.368 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

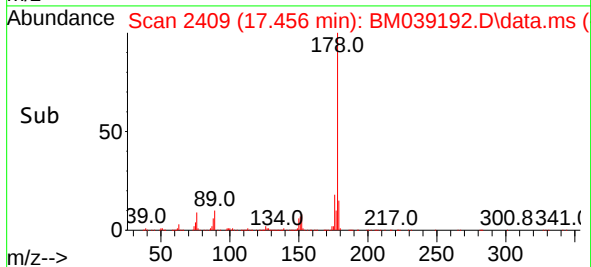
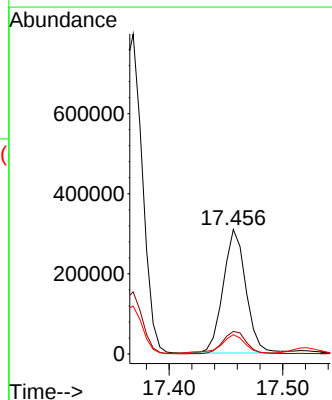
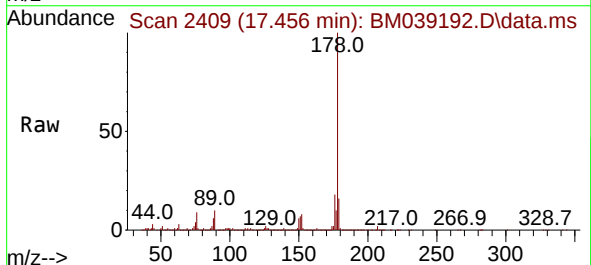
Instrument :
BNA_M
ClientSampleId :
VNJ-235

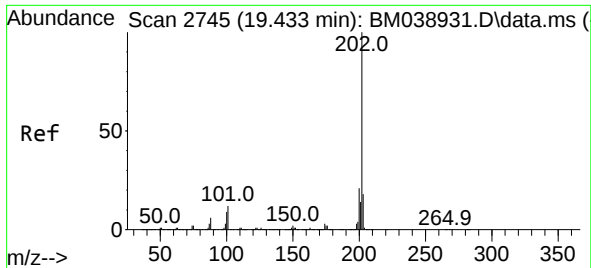
Tgt Ion:178 Resp: 1088115
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.0 12.5 18.7



#72
Anthracene
Concen: 6.816 ng
RT: 17.456 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:178 Resp: 428369
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.6 12.5 18.7

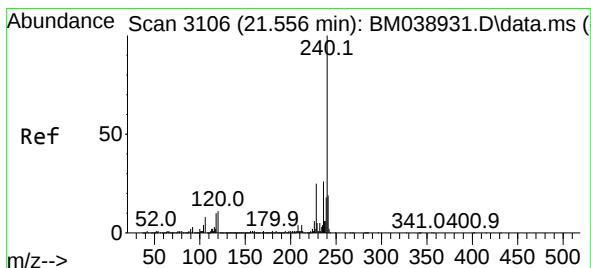
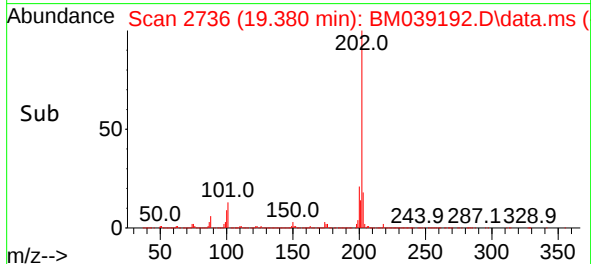
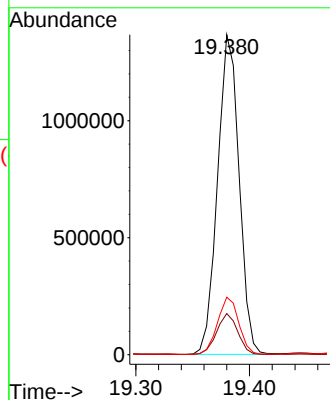
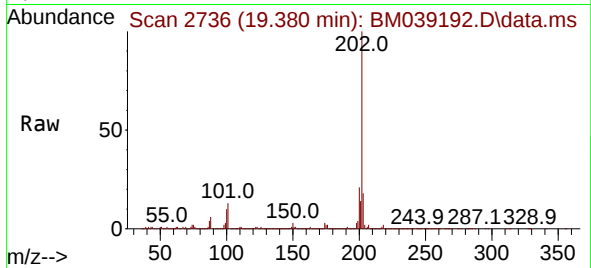




#75
Fluoranthene
Concen: 27.102 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

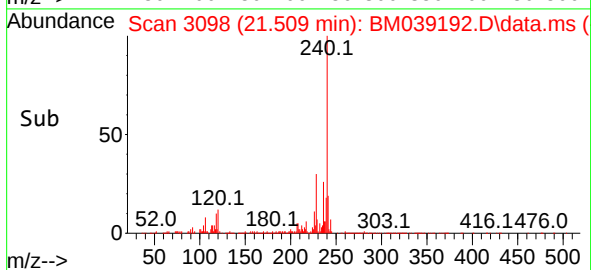
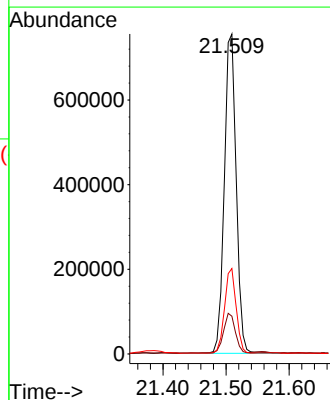
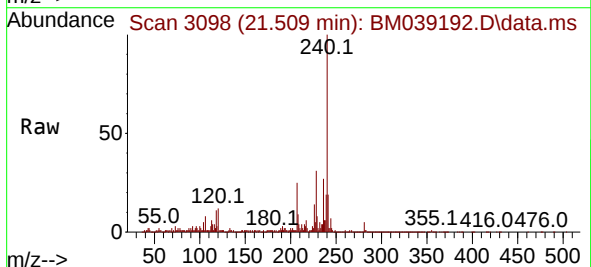
Instrument :
BNA_M
ClientSampleId :
VNJ-235

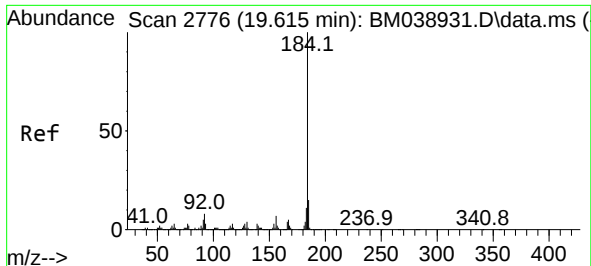
Tgt Ion:202 Resp: 1803436
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.7
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3098
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:240 Resp: 989057
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 26.7 20.8 31.2

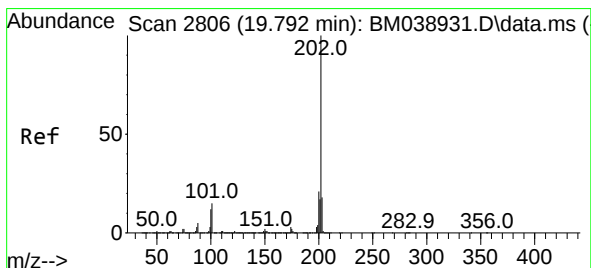
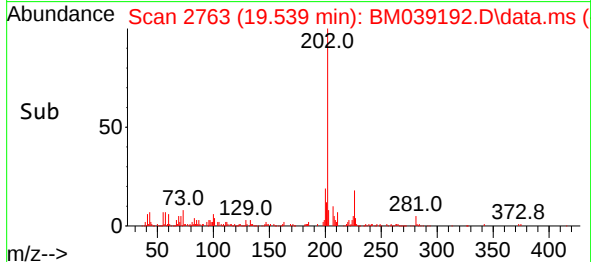
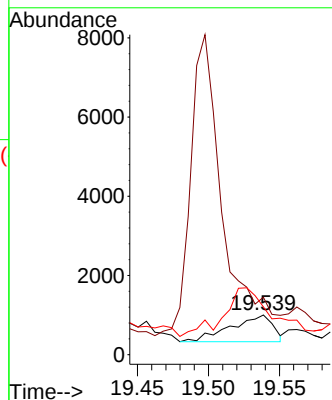
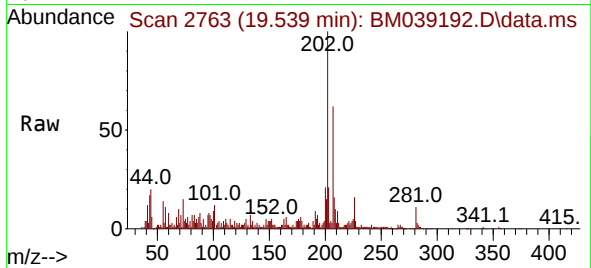




#77
Benzidine
Concen: 4.932 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.035 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

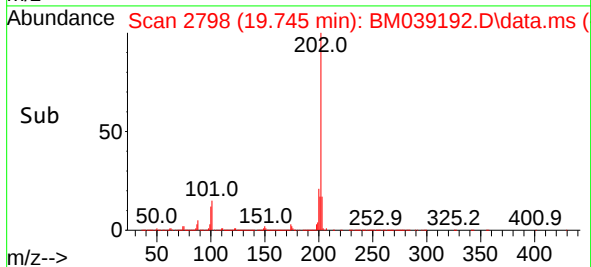
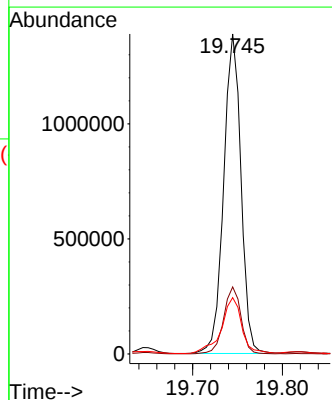
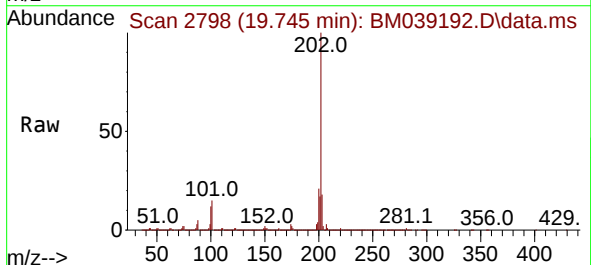
Instrument :
BNA_M
ClientSampleId :
VNJ-235

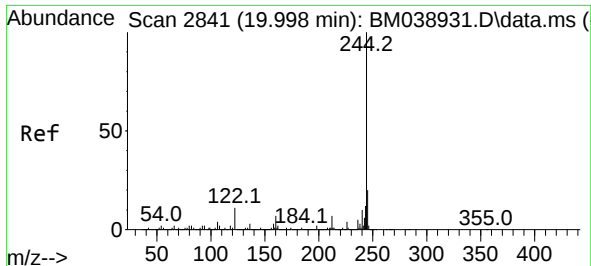
Tgt Ion:184 Resp: 1392
Ion Ratio Lower Upper
184 100
185 145.0 12.2 18.4#
183 120.6 8.8 13.2#



#78
Pyrene
Concen: 25.006 ng
RT: 19.745 min Scan# 2798
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:202 Resp: 1857567
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.6 14.1 21.1

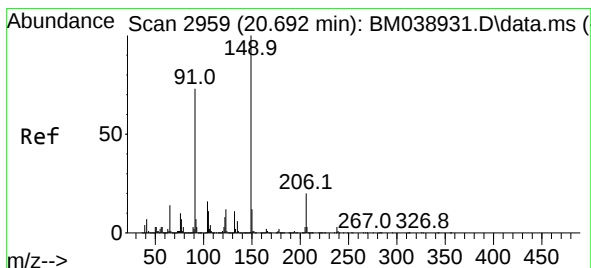
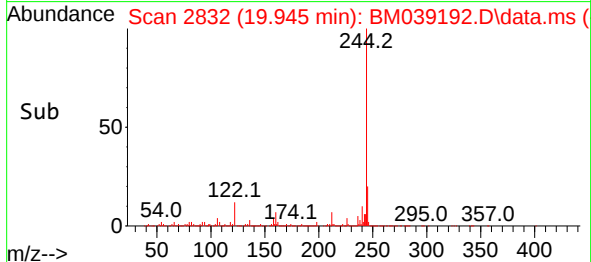
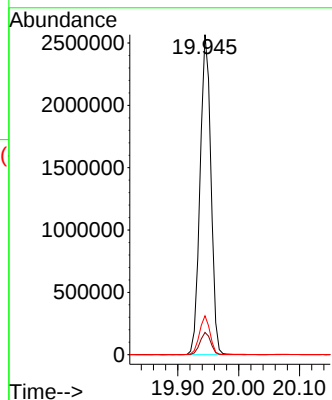
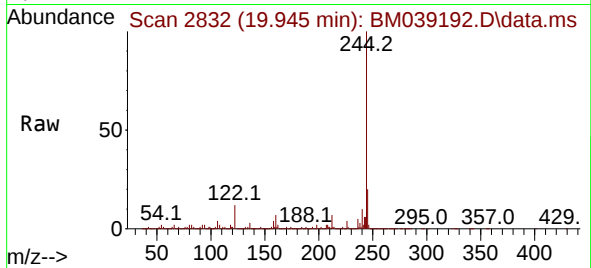




#79
 Terphenyl-d14
 Concen: 58.536 ng
 RT: 19.945 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039192.D
 Acq: 28 Mar 2023 22:49

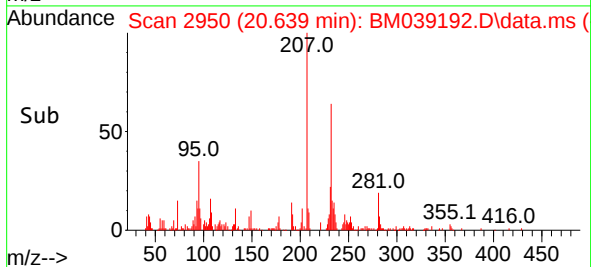
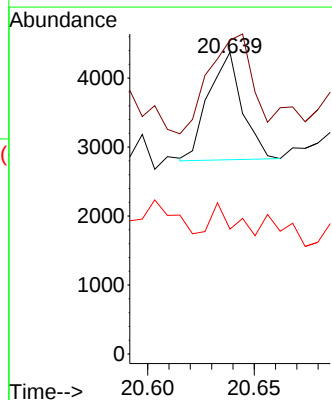
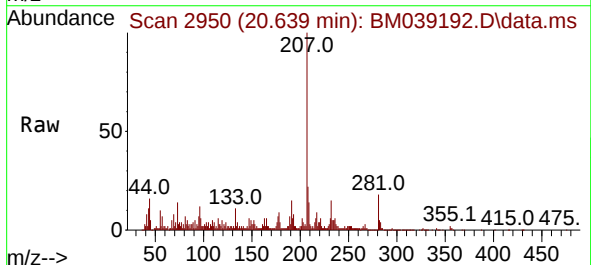
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

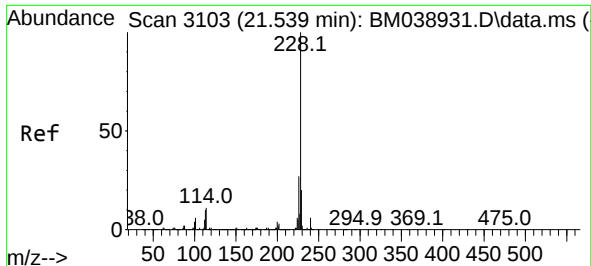
Tgt Ion:244 Resp: 3166545
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.1 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.367 ng
 RT: 20.639 min Scan# 2950
 Delta R.T. -0.006 min
 Lab File: BM039192.D
 Acq: 28 Mar 2023 22:49

Tgt Ion:149 Resp: 1723
 Ion Ratio Lower Upper
 149 100
 91 104.0 58.4 87.6#
 206 41.4 16.1 24.1#

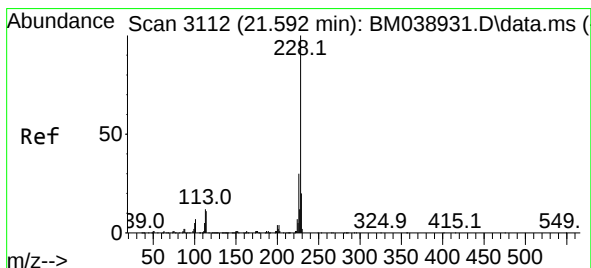
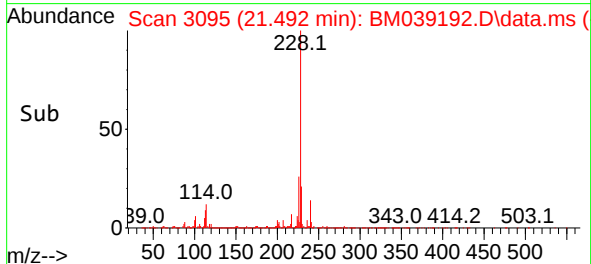
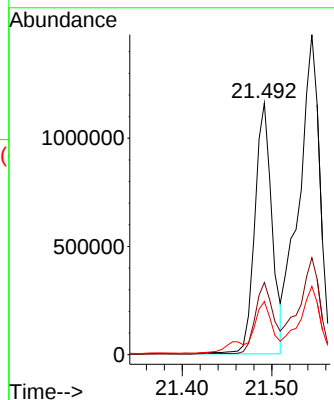
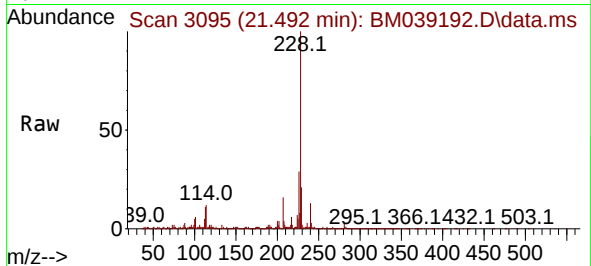




#81
Benzo(a)anthracene
Concen: 21.705 ng
RT: 21.492 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

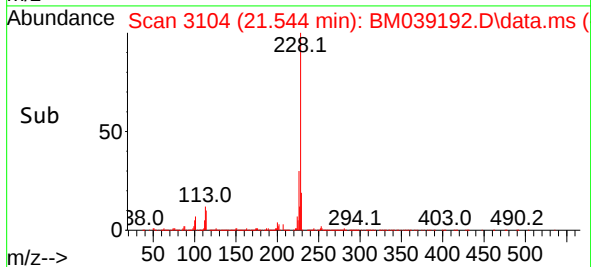
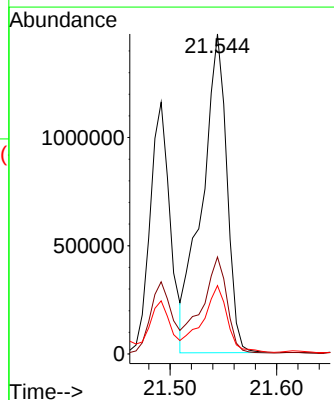
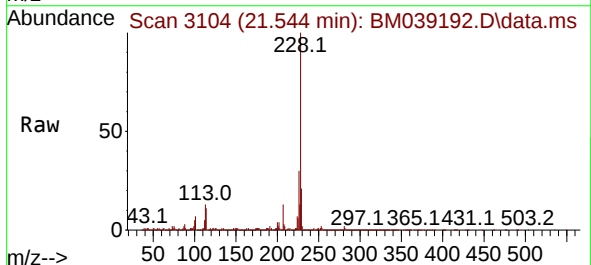
Instrument :
BNA_M
ClientSampleId :
VNJ-235

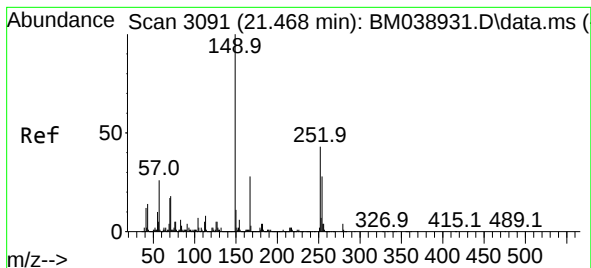
Tgt Ion:228 Resp: 1546004
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.2
229 21.1 15.7 23.5



#83
Chrysene
Concen: 34.464 ng
RT: 21.544 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:228 Resp: 2387468
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 21.3 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.198 ng

RT: 21.415 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

Instrument :

BNA_M

ClientSampleId :

VNJ-235

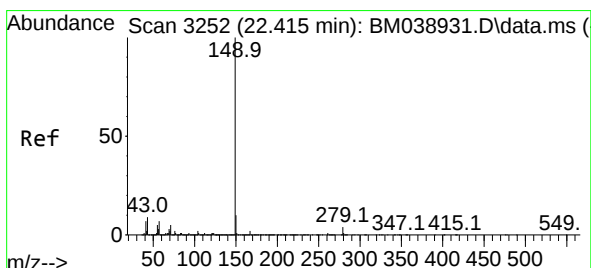
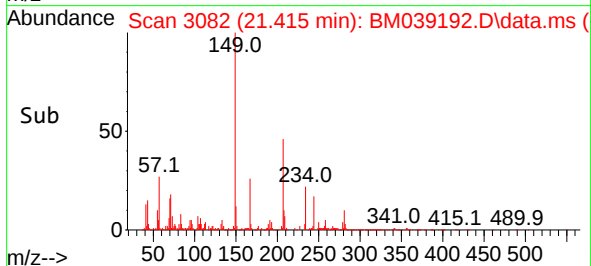
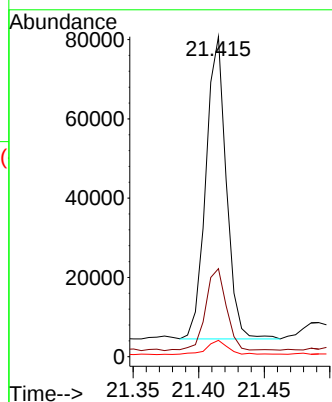
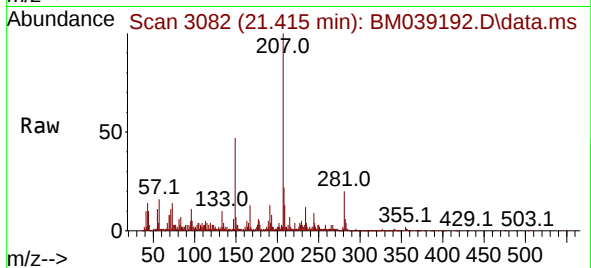
Tgt Ion:149 Resp: 82500

Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 5.1 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 5.033 ng

RT: 22.315 min Scan# 3235

Delta R.T. -0.029 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

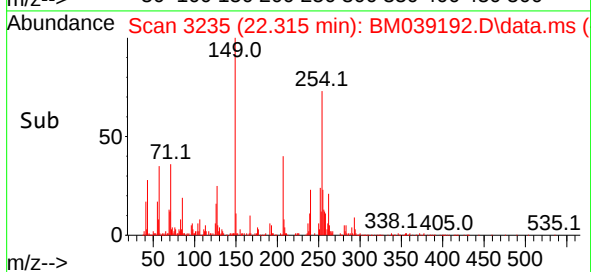
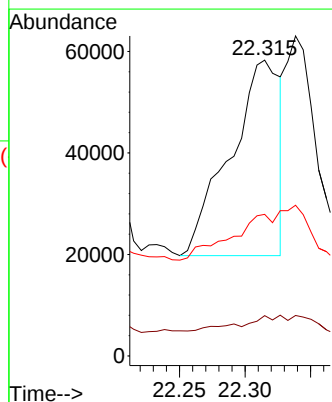
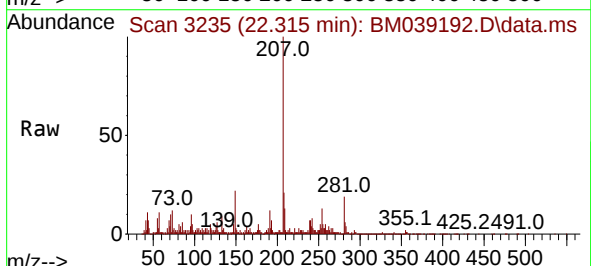
Tgt Ion:149 Resp: 101780

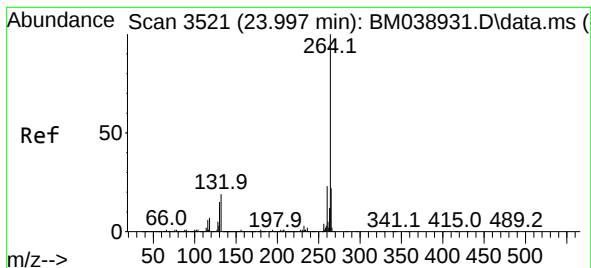
Ion Ratio Lower Upper

149 100

167 5.0 1.2 1.8#

43 20.2 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

Instrument :

BNA_M

ClientSampleId :

VNJ-235

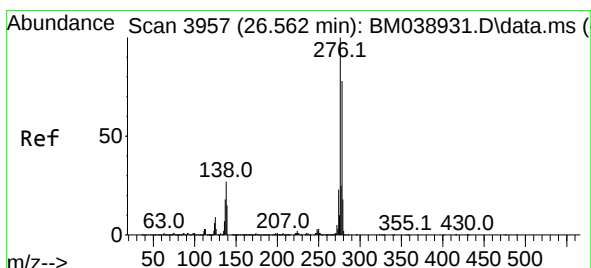
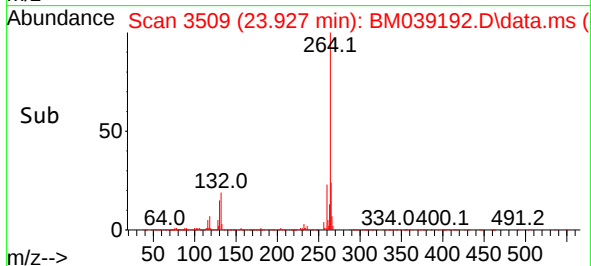
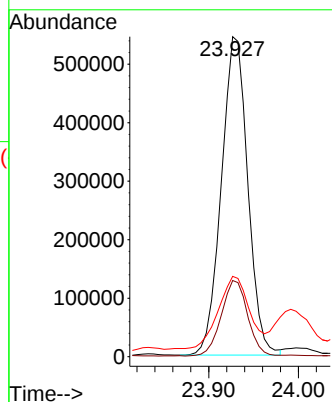
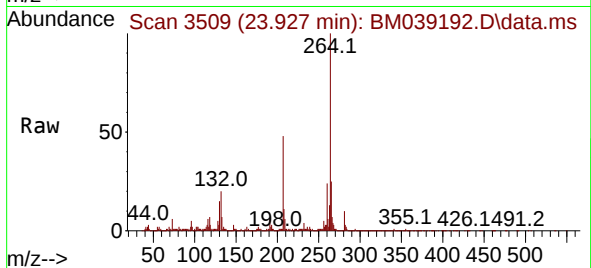
Tgt Ion:264 Resp: 1114587

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 25.1 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.687 ng

RT: 26.450 min Scan# 3938

Delta R.T. -0.006 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

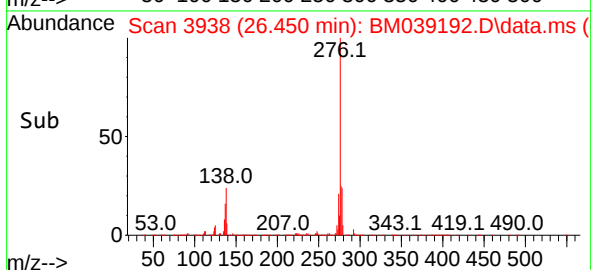
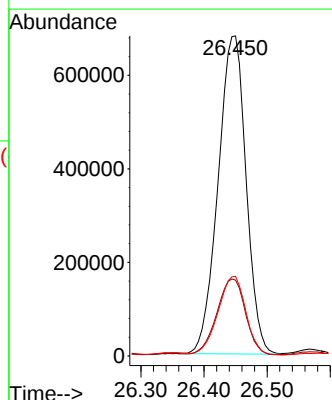
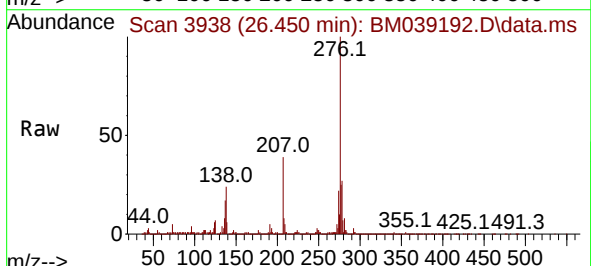
Tgt Ion:276 Resp: 2093734

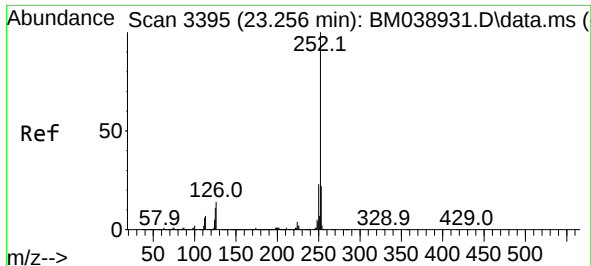
Ion Ratio Lower Upper

276 100

138 24.5 22.1 33.1

277 24.7 20.1 30.1

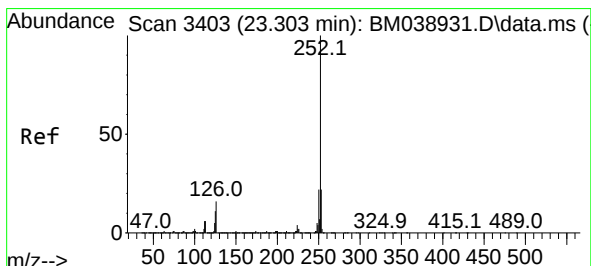
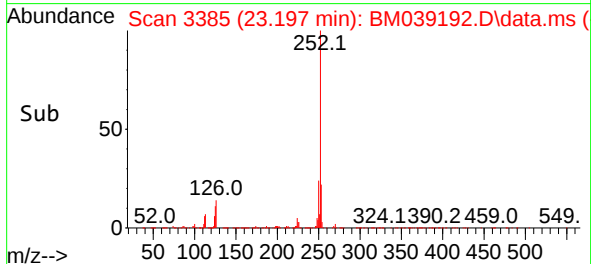
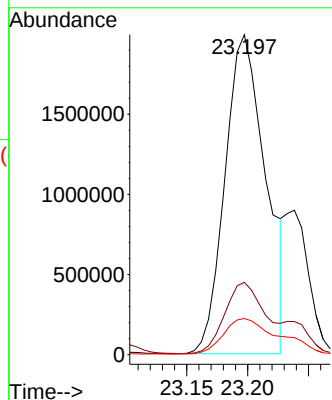
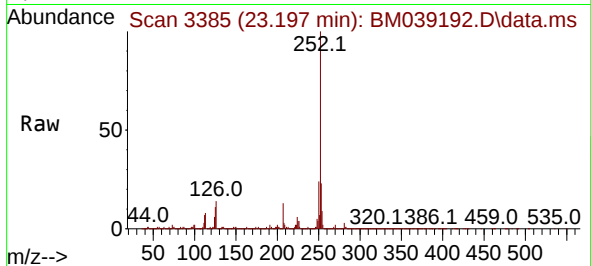




#88
Benzo(b)fluoranthene
Concen: 64.967 ng
RT: 23.197 min Scan# 3395
Delta R.T. 0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

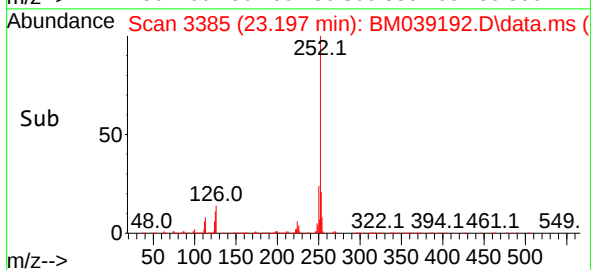
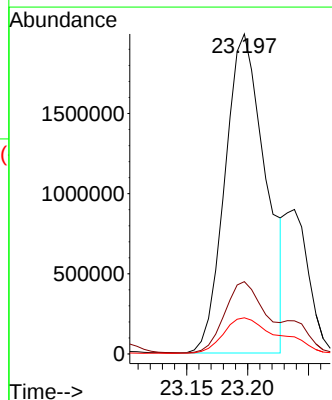
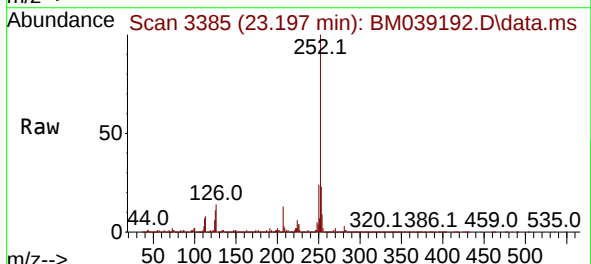
Instrument :
BNA_M
ClientSampleId :
VNJ-235

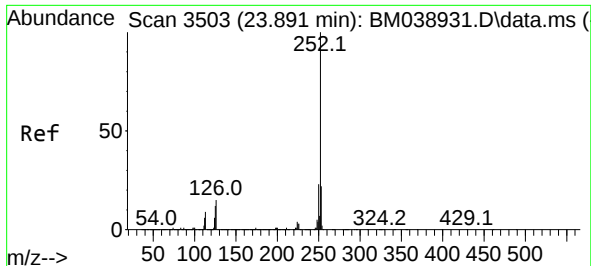
Tgt Ion:252 Resp: 4626149
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.3 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 62.427 ng
RT: 23.197 min Scan# 3385
Delta R.T. -0.041 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:252 Resp: 4626149
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.3 8.9 13.3

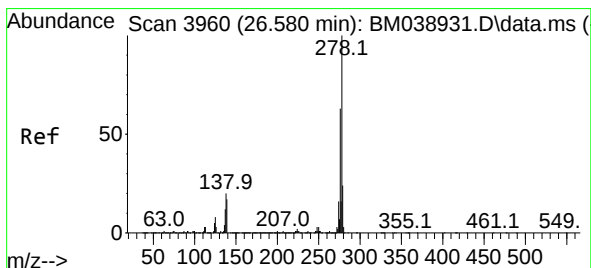
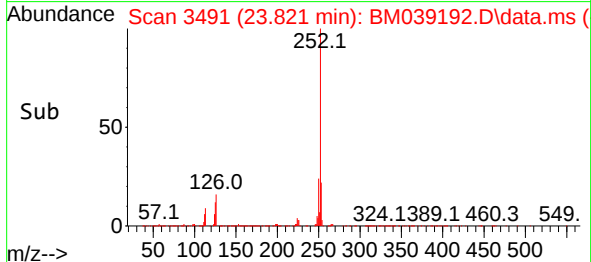
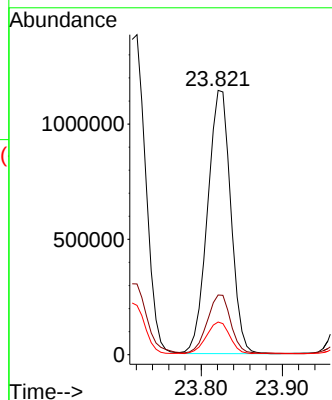
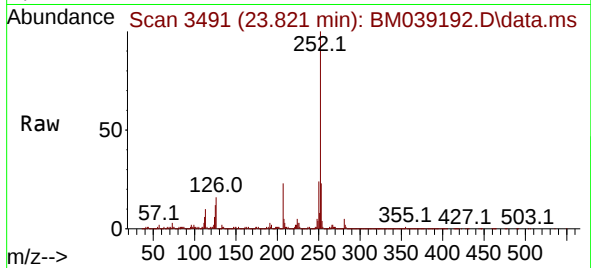




#90
Benzo(a)pyrene
Concen: 33.127 ng
RT: 23.821 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

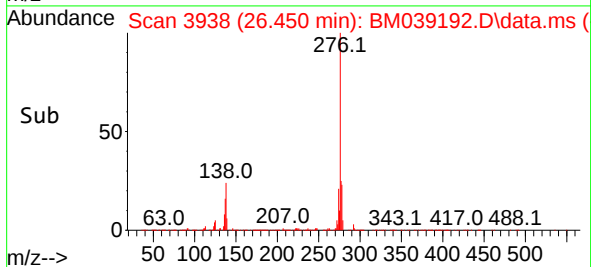
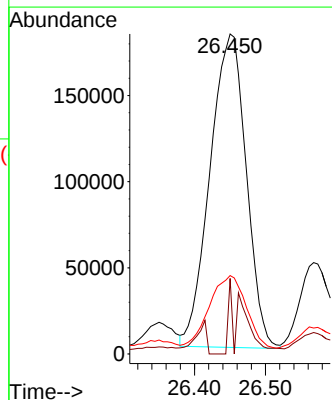
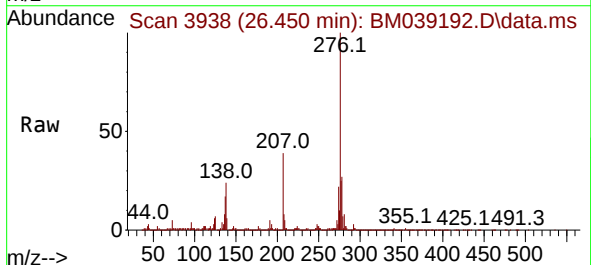
Instrument :
BNA_M
ClientSampleId :
VNJ-235

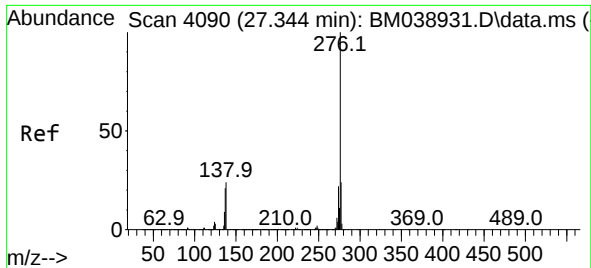
Tgt Ion:252 Resp: 2270217
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.3 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 8.981 ng
RT: 26.450 min Scan# 3938
Delta R.T. -0.018 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:278 Resp: 645085
Ion Ratio Lower Upper
278 100
139 23.6 13.7 20.5#
279 24.5 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 29.541 ng
 RT: 27.226 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: BM039192.D
 Acq: 28 Mar 2023 22:49

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

Tgt Ion:276 Resp: 2075879

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.3	28.9
138	23.5	19.0	28.6

