

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039088.D
 Acq On : 22 Mar 2023 12:18
 Operator : CG/JU
 Sample : 01978-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-303-20230316

Quant Time: Mar 23 04:21:05 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 22 03:36:20 2023
 Response via : Initial Calibration

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

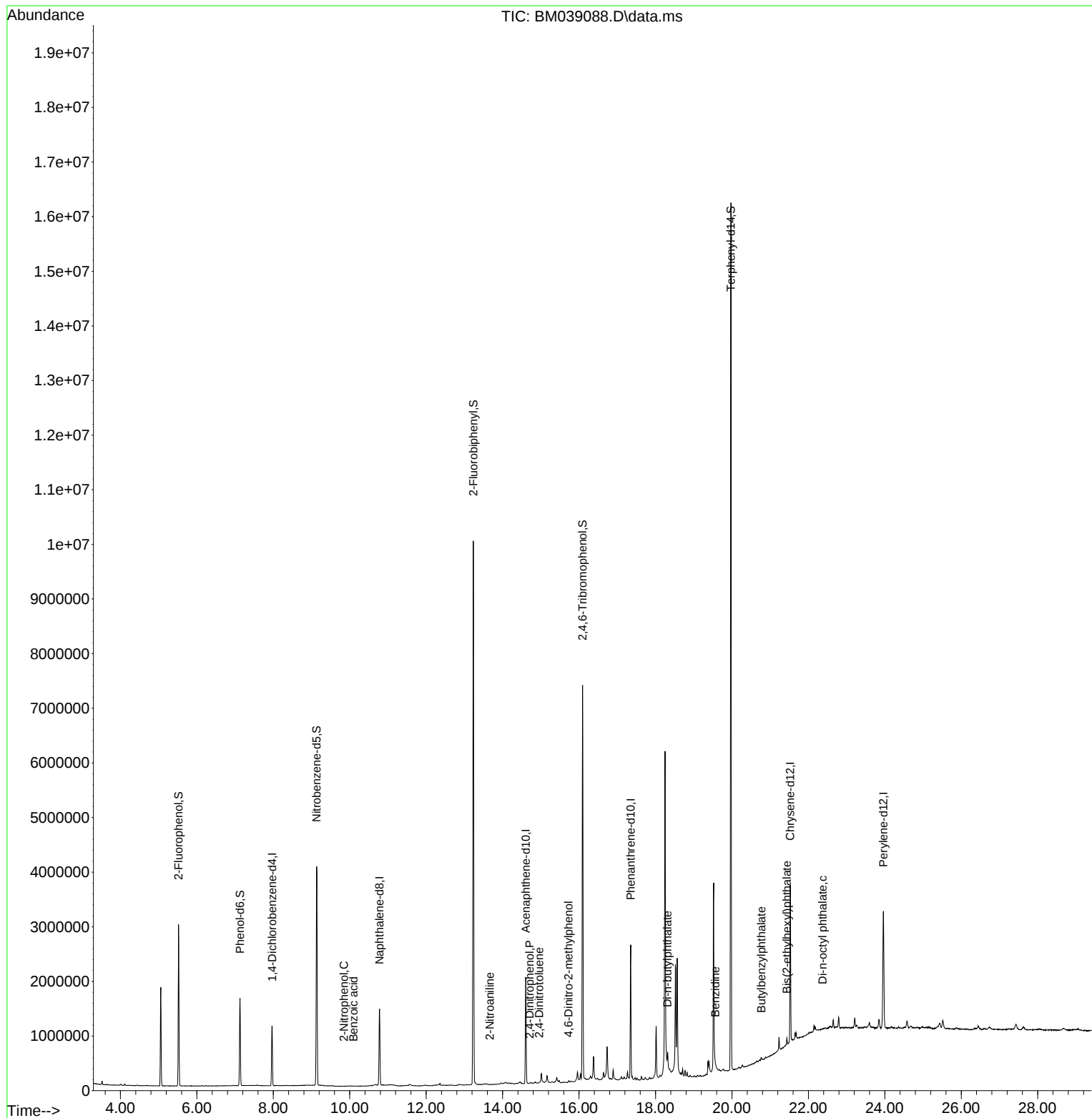
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	296896	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1158197	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	668373	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1409598	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1312631	20.000	ng	0.00
86) Perylene-d12	23.962	264	1501606	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1248325	63.880	ng	0.00
7) Phenol-d6	7.128	99	911742	35.920	ng	0.00
23) Nitrobenzene-d5	9.134	82	2351441	99.728	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	1270477	164.314	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4898917	95.417	ng	0.00
79) Terphenyl-d14	19.974	244	7523032	104.786	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.851	139	93	2.999	ng	# 1
32) Benzoic acid	10.098	122	125	5.741	ng	# 44
48) 2-Nitroaniline	13.669	65	2470	2.388	ng	# 33
54) 2,4-Dinitrophenol	14.710	184	132	5.210	ng	# 1
57) 2,4-Dinitrotoluene	14.957	165	1001	2.135	ng	# 69
65) 4,6-Dinitro-2-methylph...	15.721	198	214	5.109	ng	# 1
74) Di-n-butylphthalate	18.315	149	207593	3.974	ng	100
77) Benzidine	19.562	184	479	4.891	ng	# 1
80) Butylbenzylphthalate	20.768	149	348	3.324	ng	94
84) Bis(2-ethylhexyl)phtha...	21.439	149	41404	3.133	ng	100
85) Di-n-octyl phthalate	22.374	149	4893	3.841	ng	# 75

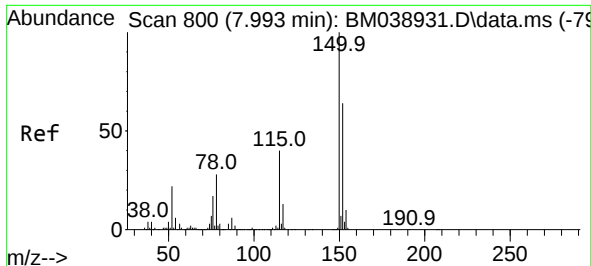
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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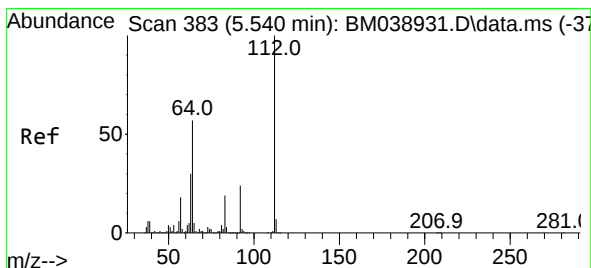
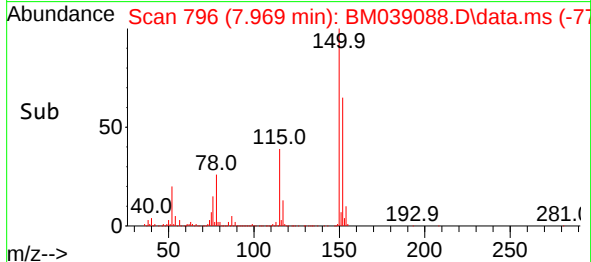
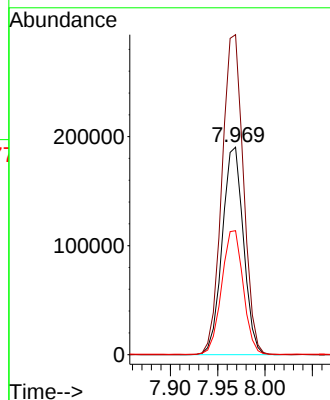
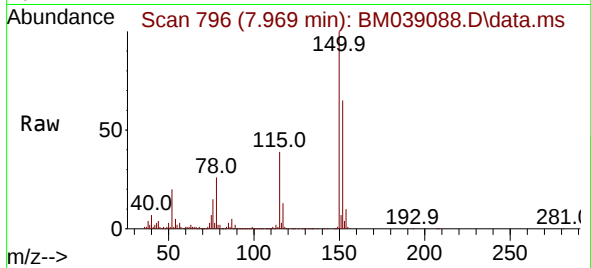




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

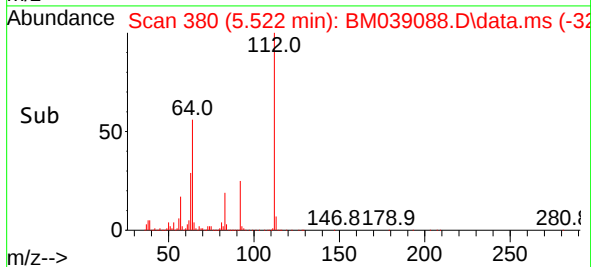
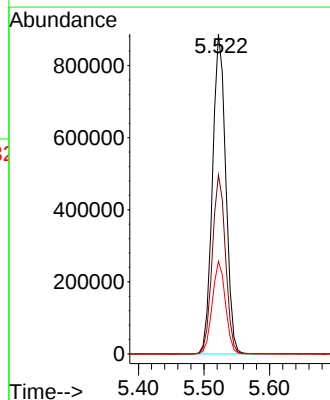
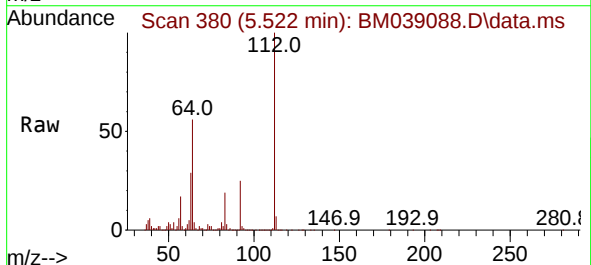
Instrument :
BNA_M
ClientSampleId :
SP-303-20230316

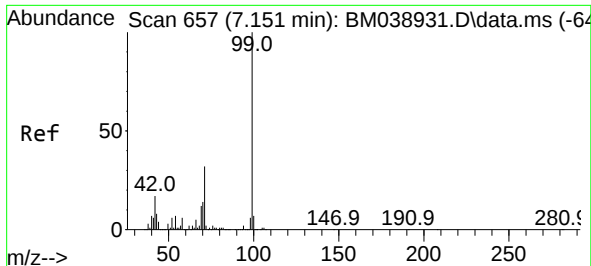
Tgt Ion:152 Resp: 296896
Ion Ratio Lower Upper
152 100
150 154.2 125.1 187.7
115 59.7 49.6 74.4



#5
2-Fluorophenol
Concen: 63.880 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.000 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

Tgt Ion:112 Resp: 1248325
Ion Ratio Lower Upper
112 100
64 55.9 45.9 68.9
63 28.9 23.8 35.8

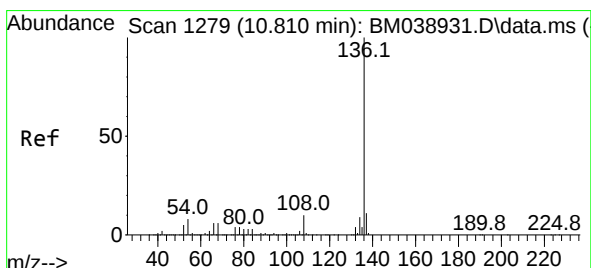
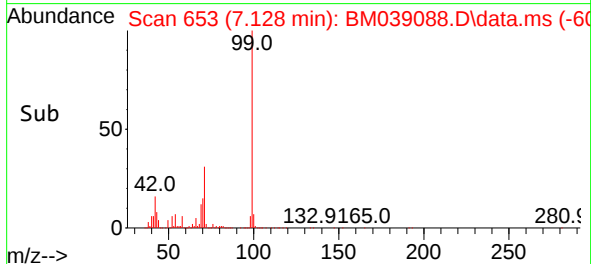
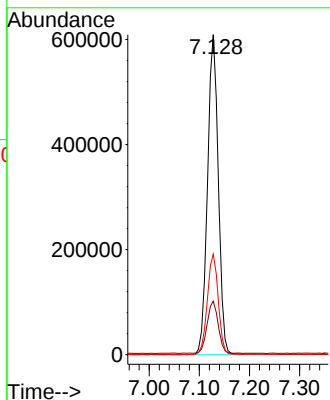
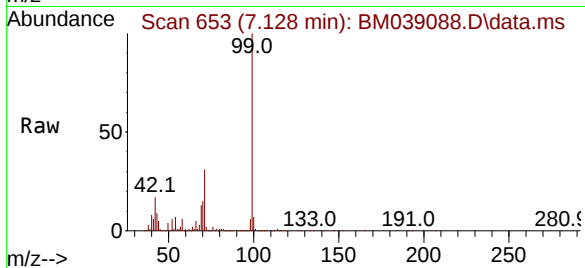




#7
Phenol-d6
Concen: 35.920 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

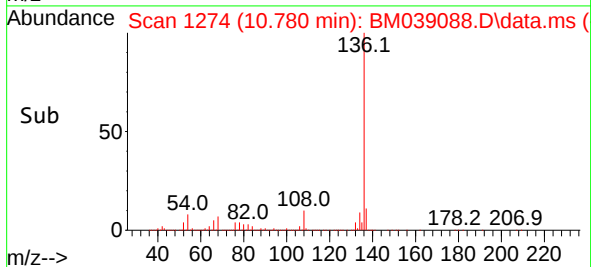
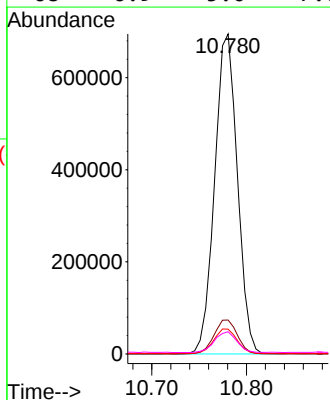
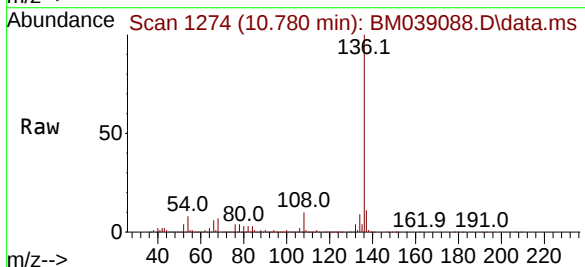
Instrument :
BNA_M
ClientSampleId :
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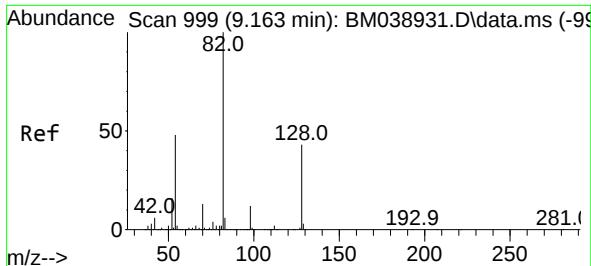
Tgt Ion: 99 Resp: 911742
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 31.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

Tgt Ion: 136 Resp: 1158197
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.7 6.3 9.5
68 6.9 5.0 7.6

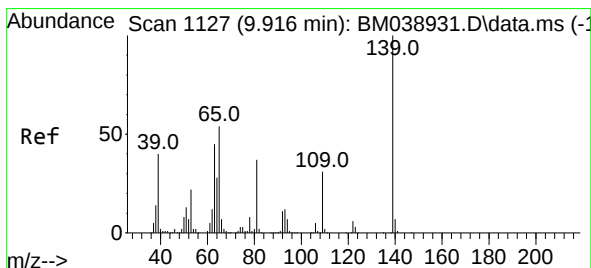
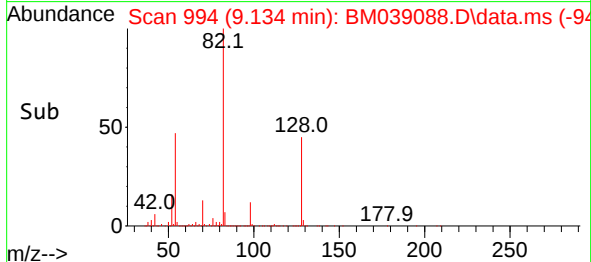
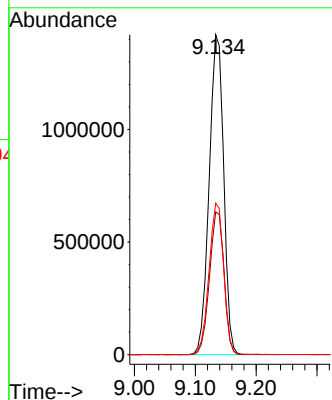
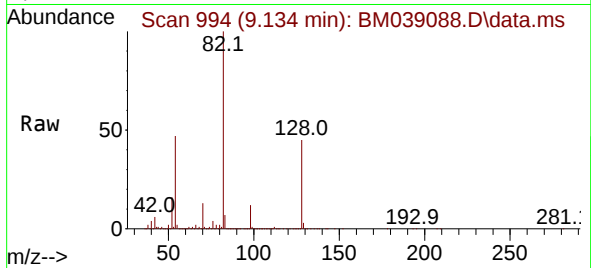




#23
Nitrobenzene-d5
Concen: 99.728 ng
RT: 9.134 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

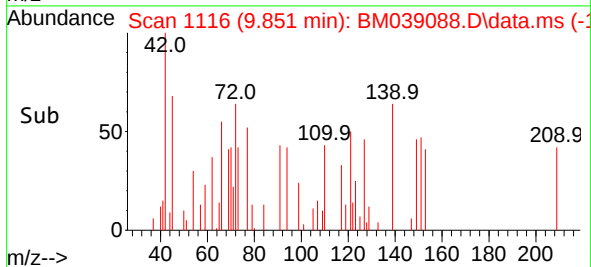
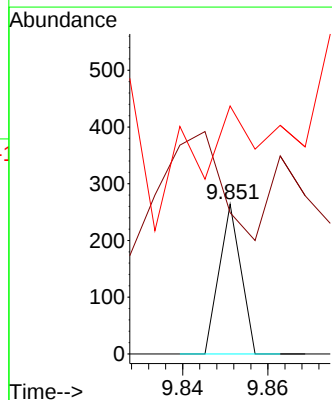
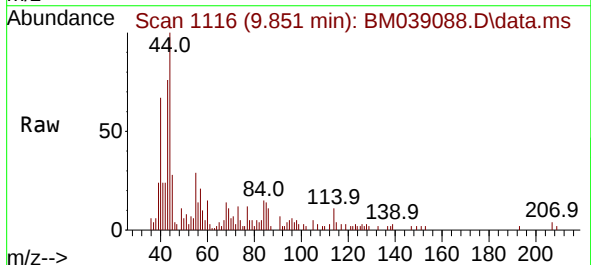
Instrument :
BNA_M
ClientSampleId :
SP-303-20230316

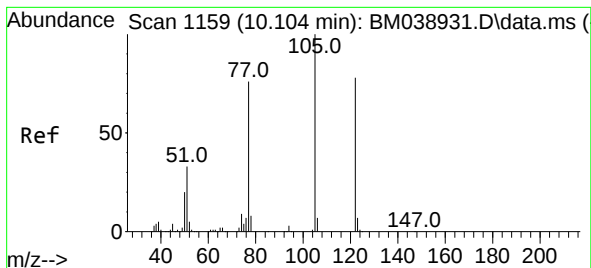
Tgt Ion: 82 Resp: 2351441
Ion Ratio Lower Upper
82 100
128 44.6 34.4 51.6
54 47.4 38.8 58.2



#26
2-Nitrophenol
Concen: 2.999 ng
RT: 9.851 min Scan# 1116
Delta R.T. -0.041 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

Tgt Ion: 139 Resp: 93
Ion Ratio Lower Upper
139 100
109 94.3 24.5 36.7#
65 165.5 43.0 64.6#





#32

Benzoic acid

Concen: 5.741 ng

RT: 10.098 min Scan# 1159

Delta R.T. 0.012 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316

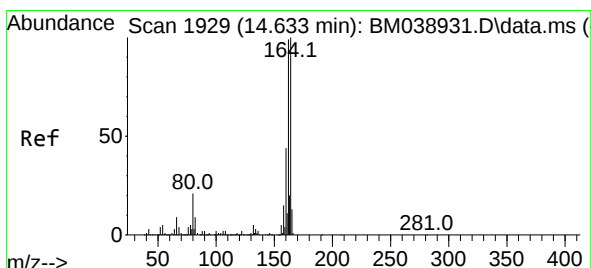
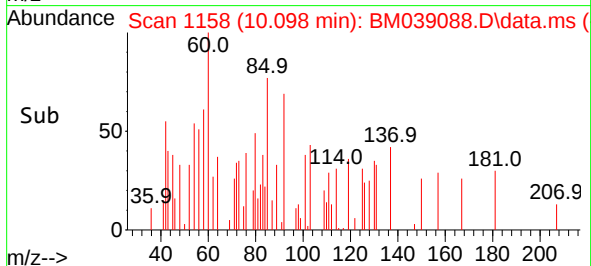
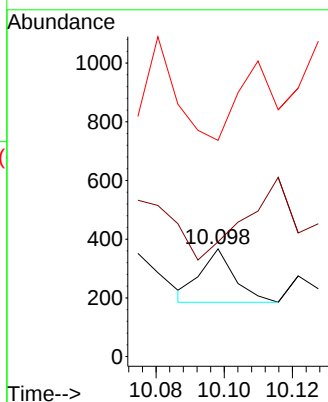
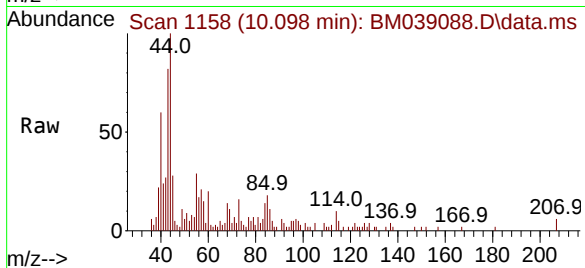
Tgt Ion:122 Resp: 125

Ion Ratio Lower Upper

122 100

105 106.5 104.2 144.2

77 200.8 75.1 115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.604 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

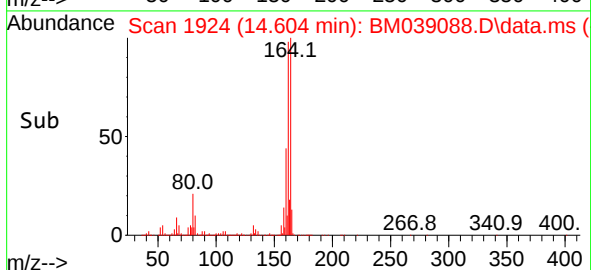
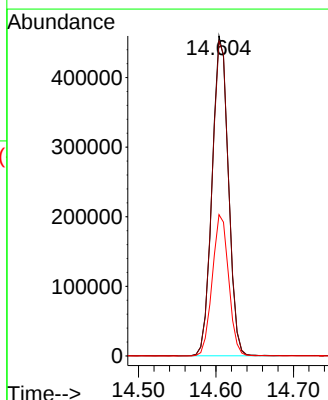
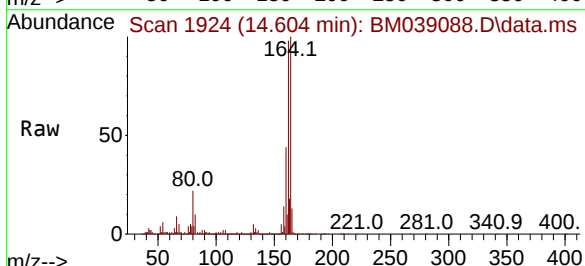
Tgt Ion:164 Resp: 668373

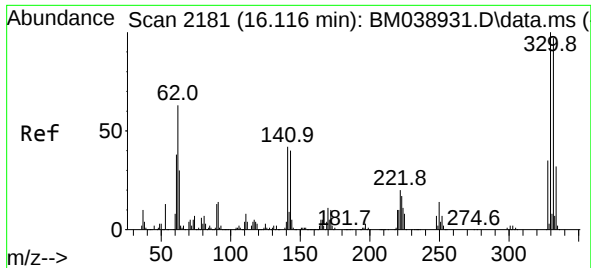
Ion Ratio Lower Upper

164 100

162 98.3 79.2 118.8

160 44.2 35.5 53.3

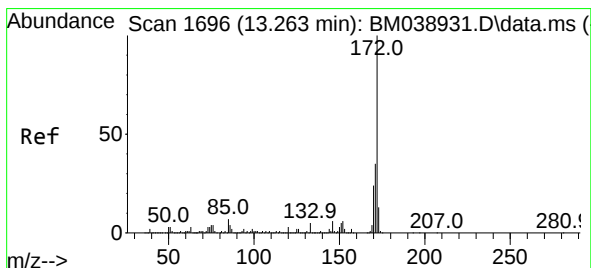
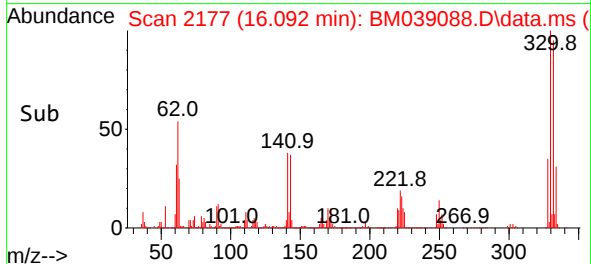
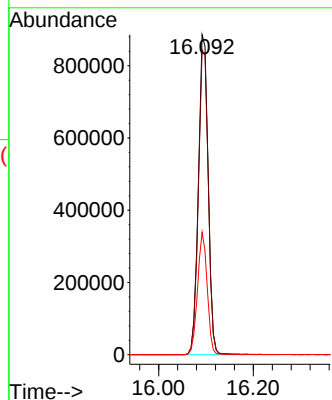
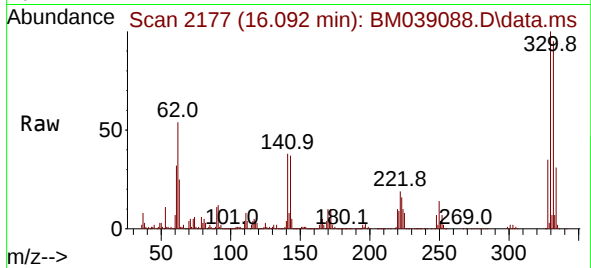




#42
2,4,6-Tribromophenol
Concen: 164.314 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

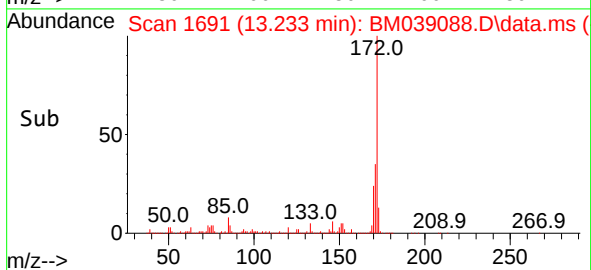
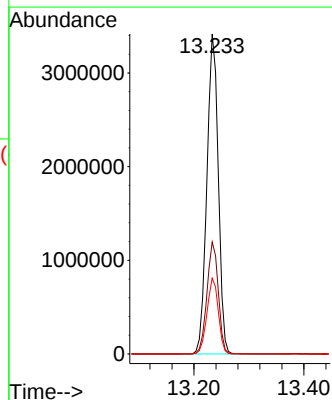
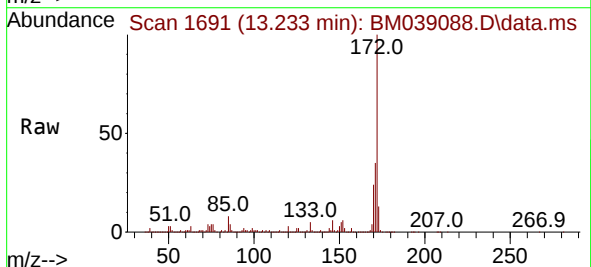
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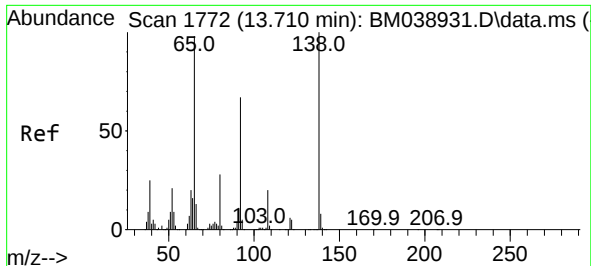
Tgt Ion:330 Resp: 1270477
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 37.6 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 95.417 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

Tgt Ion:172 Resp: 4898917
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.7 19.1 28.7





#48

2-Nitroaniline

Concen: 2.388 ng

RT: 13.669 min Scan# 1

Delta R.T. -0.024 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316

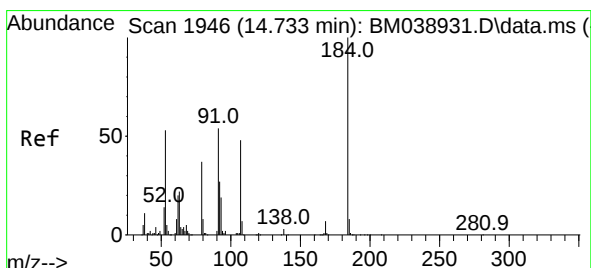
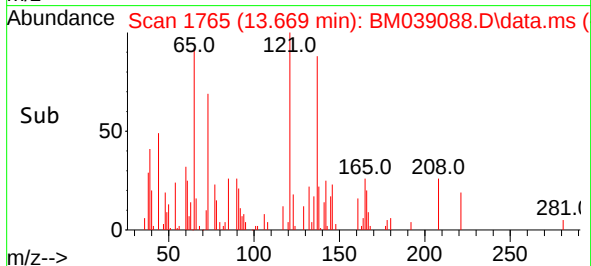
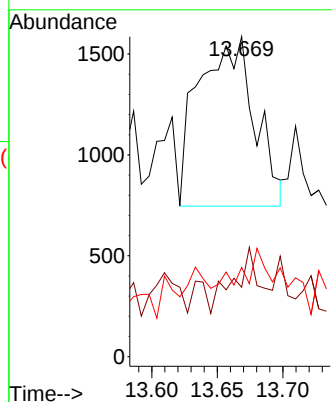
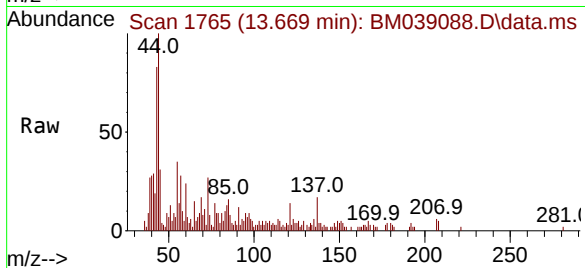
Tgt Ion: 65 Resp: 2470

Ion Ratio Lower Upper

65 100

92 21.7 54.9 82.3#

138 27.9 81.6 122.4#



#54

2,4-Dinitrophenol

Concen: 5.210 ng

RT: 14.710 min Scan# 1942

Delta R.T. -0.006 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

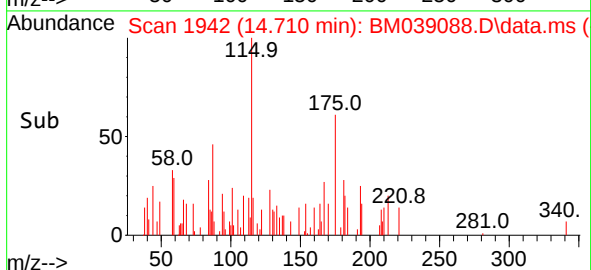
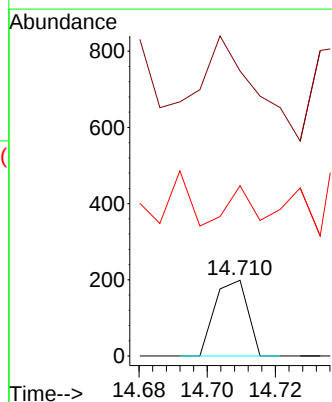
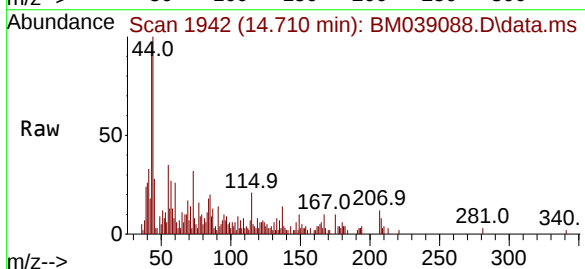
Tgt Ion:184 Resp: 132

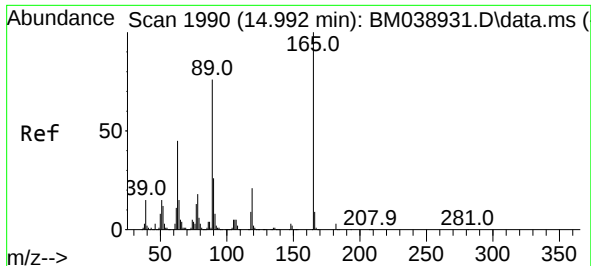
Ion Ratio Lower Upper

184 100

63 375.9 60.6 90.8#

154 224.6 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.135 ng

RT: 14.957 min Scan# 1990

Delta R.T. -0.012 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

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Tgt Ion:165 Resp: 1001

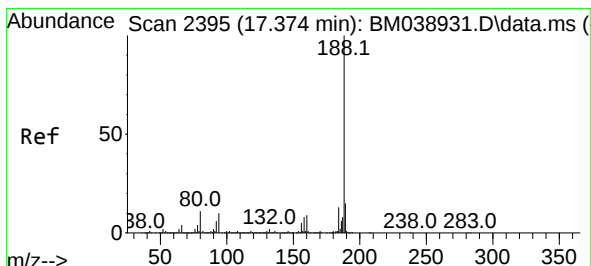
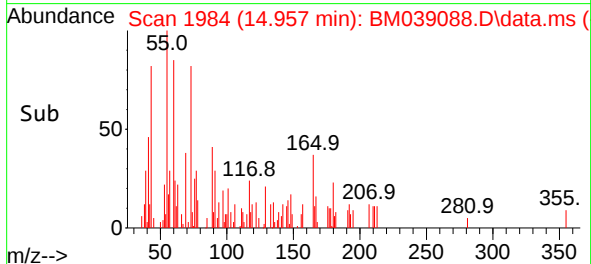
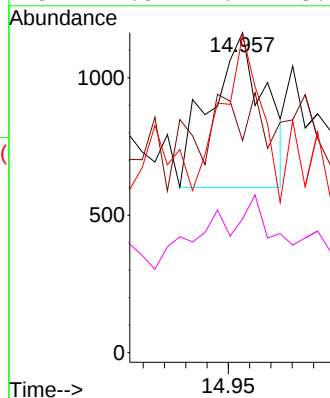
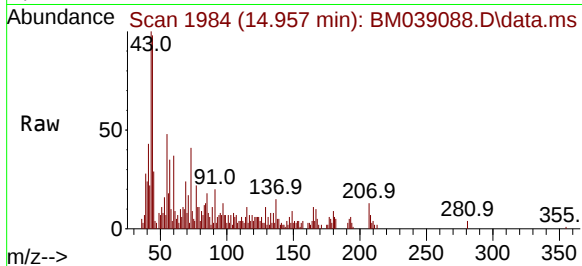
Ion Ratio Lower Upper

165 100

63 66.2 35.9 53.9#

89 99.3 61.0 91.6#

182 41.8 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. -0.000 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

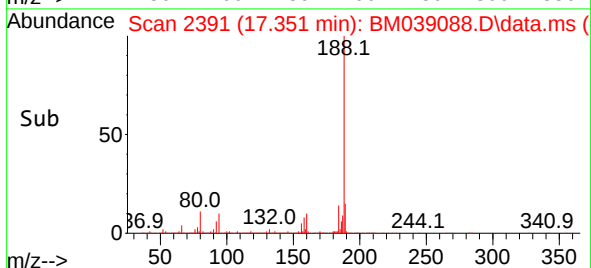
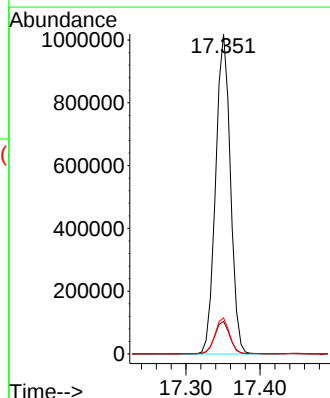
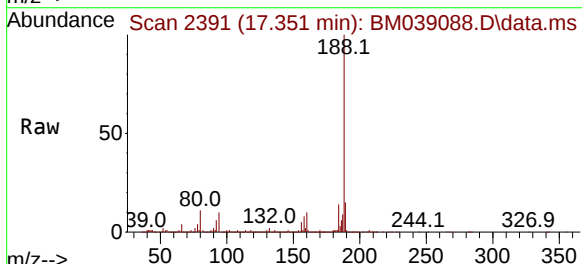
Tgt Ion:188 Resp: 1409598

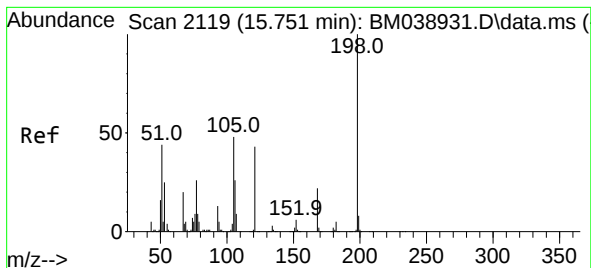
Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.2 8.5 12.7

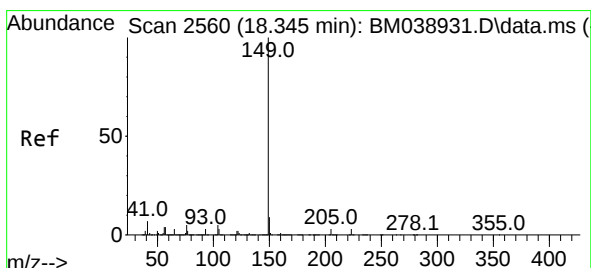
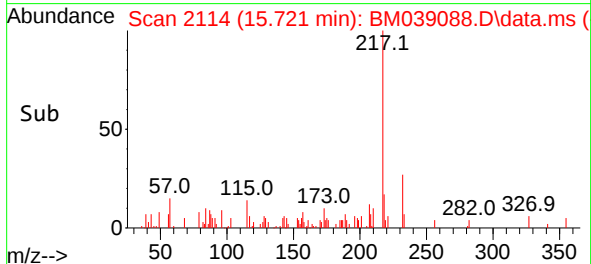
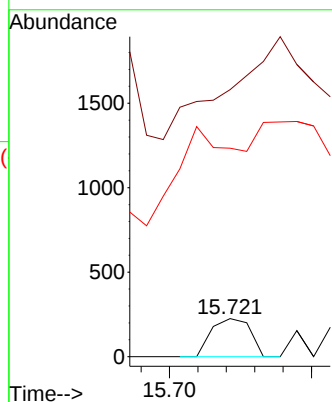
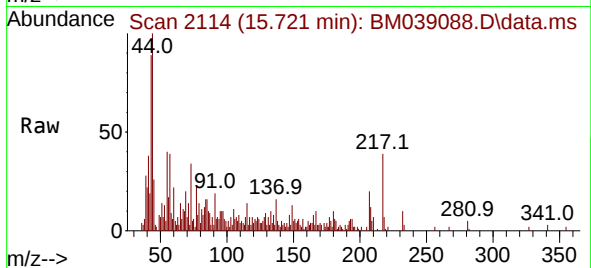




#65
4,6-Dinitro-2-methylphenol
Concen: 5.109 ng
RT: 15.721 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

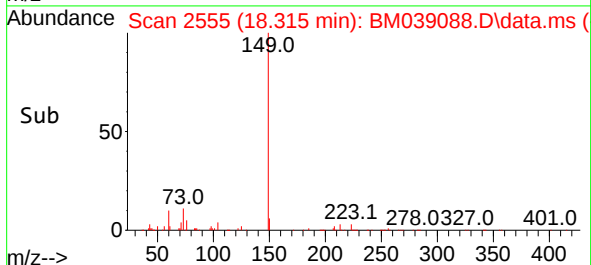
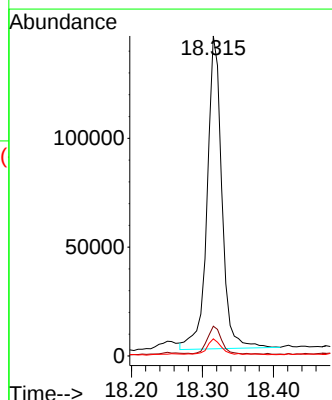
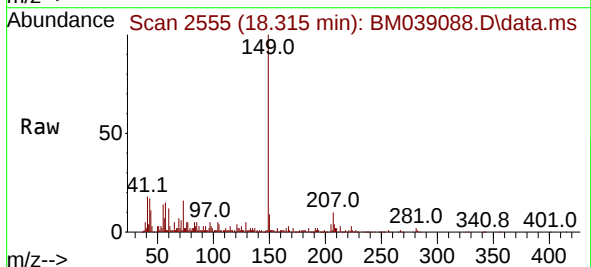
Instrument :
BNA_M
ClientSampleId :
SP-303-20230316

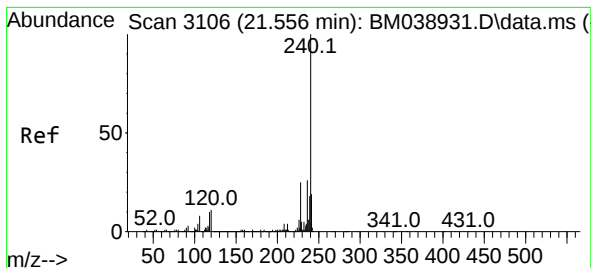
Tgt Ion:198 Resp: 214
Ion Ratio Lower Upper
198 100
51 702.7 30.1 70.1#
105 548.4 29.3 69.3#



#74
Di-n-butylphthalate
Concen: 3.974 ng
RT: 18.315 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BM039088.D
Acq: 22 Mar 2023 12:18

Tgt Ion:149 Resp: 207593
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.4 4.3 6.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316

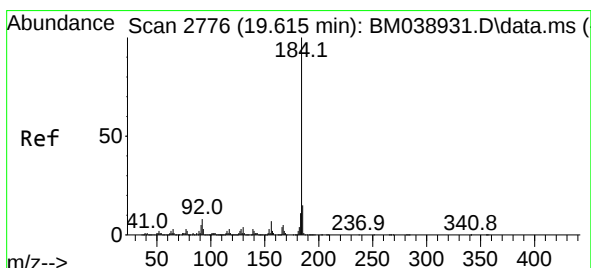
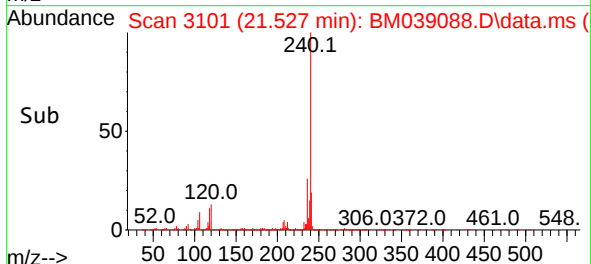
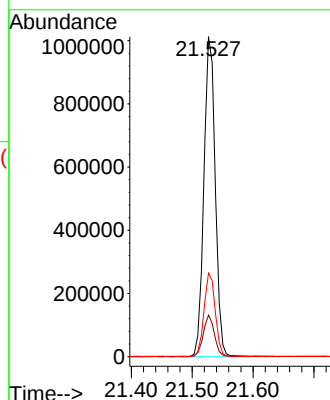
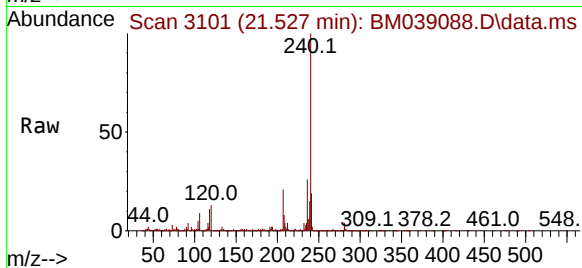
Tgt Ion:240 Resp: 1312631

Ion Ratio Lower Upper

240 100

120 13.0 9.2 13.8

236 26.1 20.8 31.2



#77

Benzidine

Concen: 4.891 ng

RT: 19.562 min Scan# 2767

Delta R.T. -0.029 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

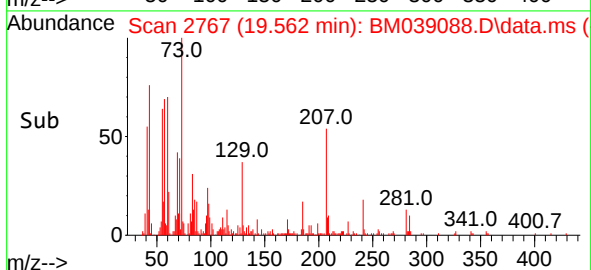
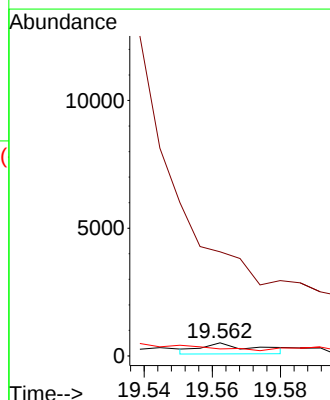
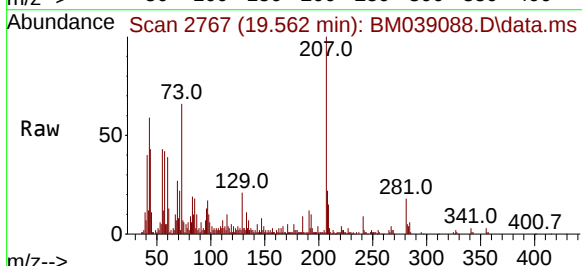
Tgt Ion:184 Resp: 479

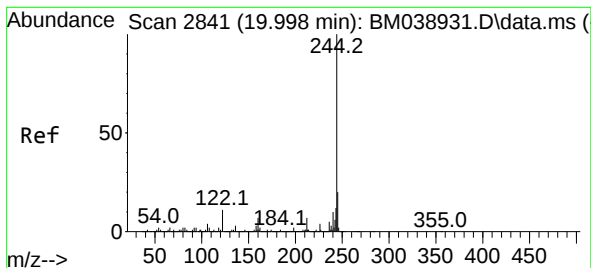
Ion Ratio Lower Upper

184 100

185 792.8 12.2 18.4#

183 54.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 104.786 ng

RT: 19.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316

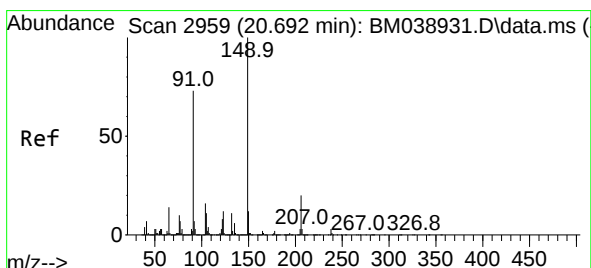
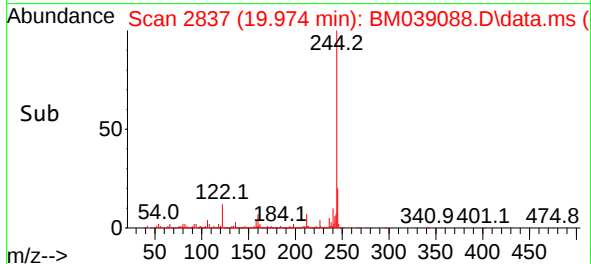
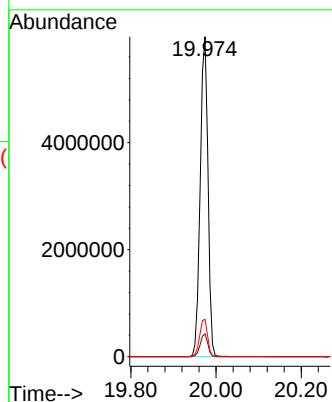
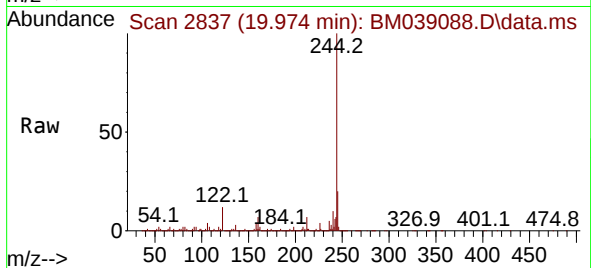
Tgt Ion:244 Resp: 7523032

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 11.7 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.324 ng

RT: 20.768 min Scan# 2972

Delta R.T. 0.106 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

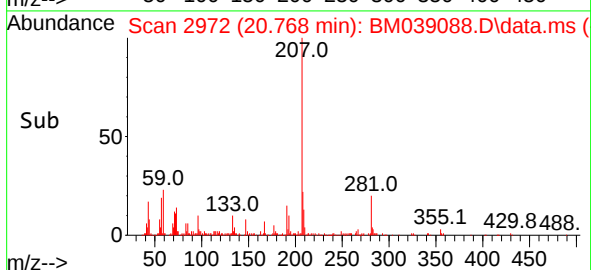
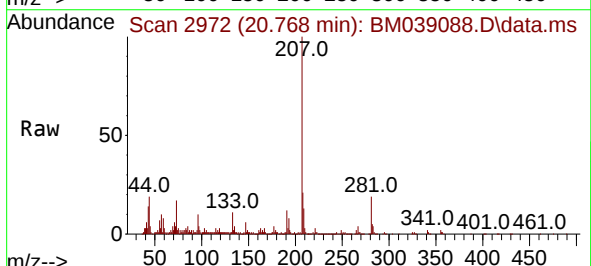
Tgt Ion:149 Resp: 348

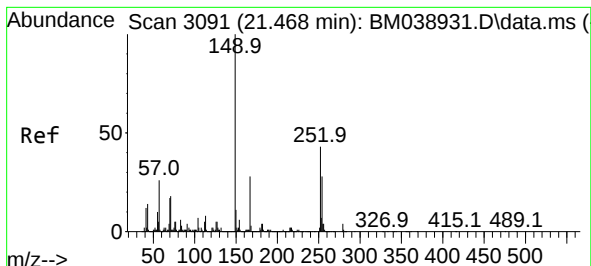
Ion Ratio Lower Upper

149 100

91 79.4 58.4 87.6

206 19.9 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.133 ng

RT: 21.439 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316

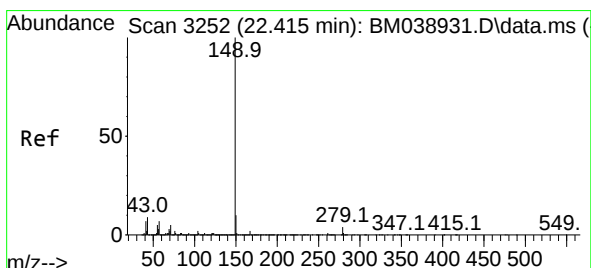
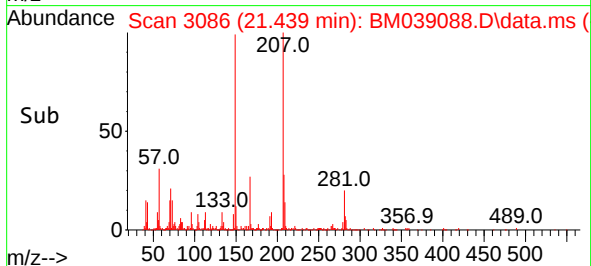
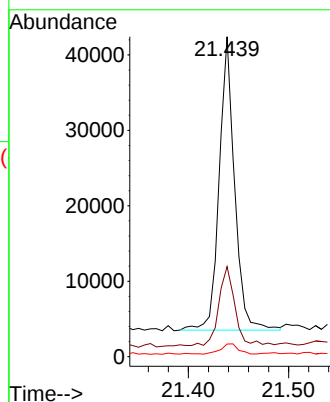
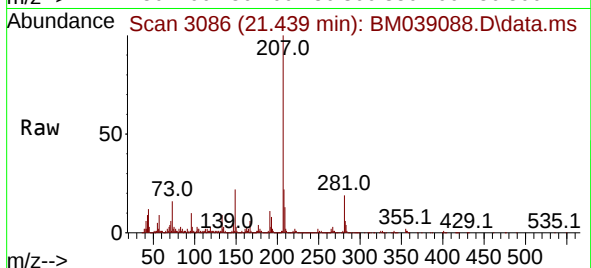
Tgt Ion:149 Resp: 41404

Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.0 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.841 ng

RT: 22.374 min Scan# 3245

Delta R.T. -0.000 min

Lab File: BM039088.D

Acq: 22 Mar 2023 12:18

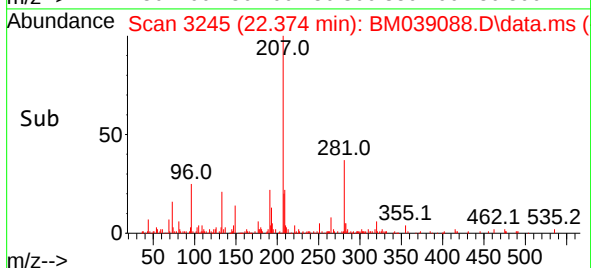
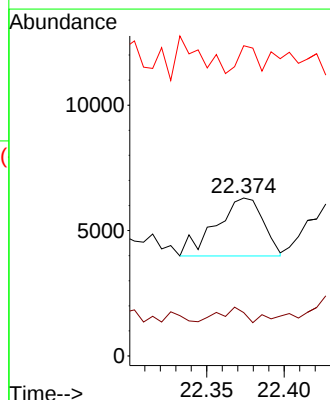
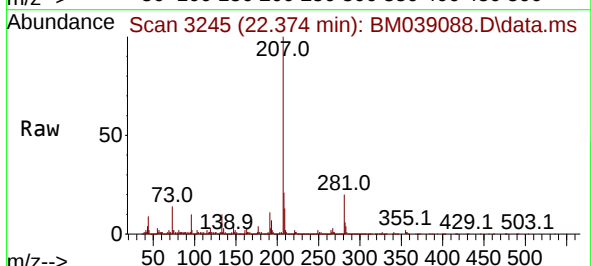
Tgt Ion:149 Resp: 4893

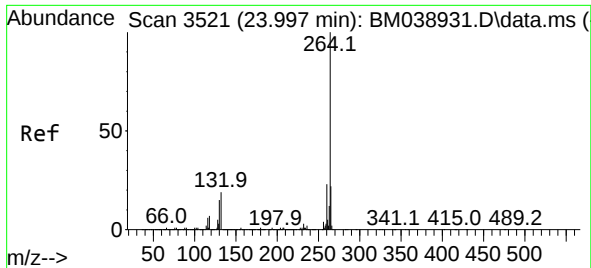
Ion Ratio Lower Upper

149 100

167 13.6 1.2 1.8#

43 17.9 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039088.D

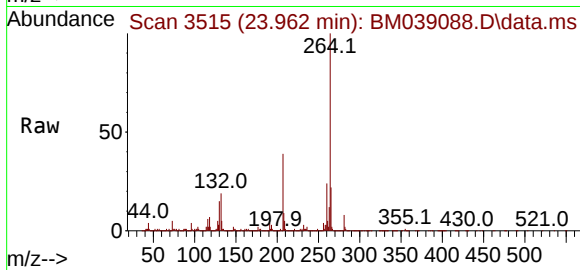
Acq: 22 Mar 2023 12:18

Instrument :

BNA_M

ClientSampleId :

SP-303-20230316



Tgt Ion:264 Resp: 1501606

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.4 17.9 26.9

