

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041218.D
 Acq On : 01 Aug 2023 10:59
 Operator : MA/JU
 Sample : 03847-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-405557

Quant Time: Aug 02 01:54:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

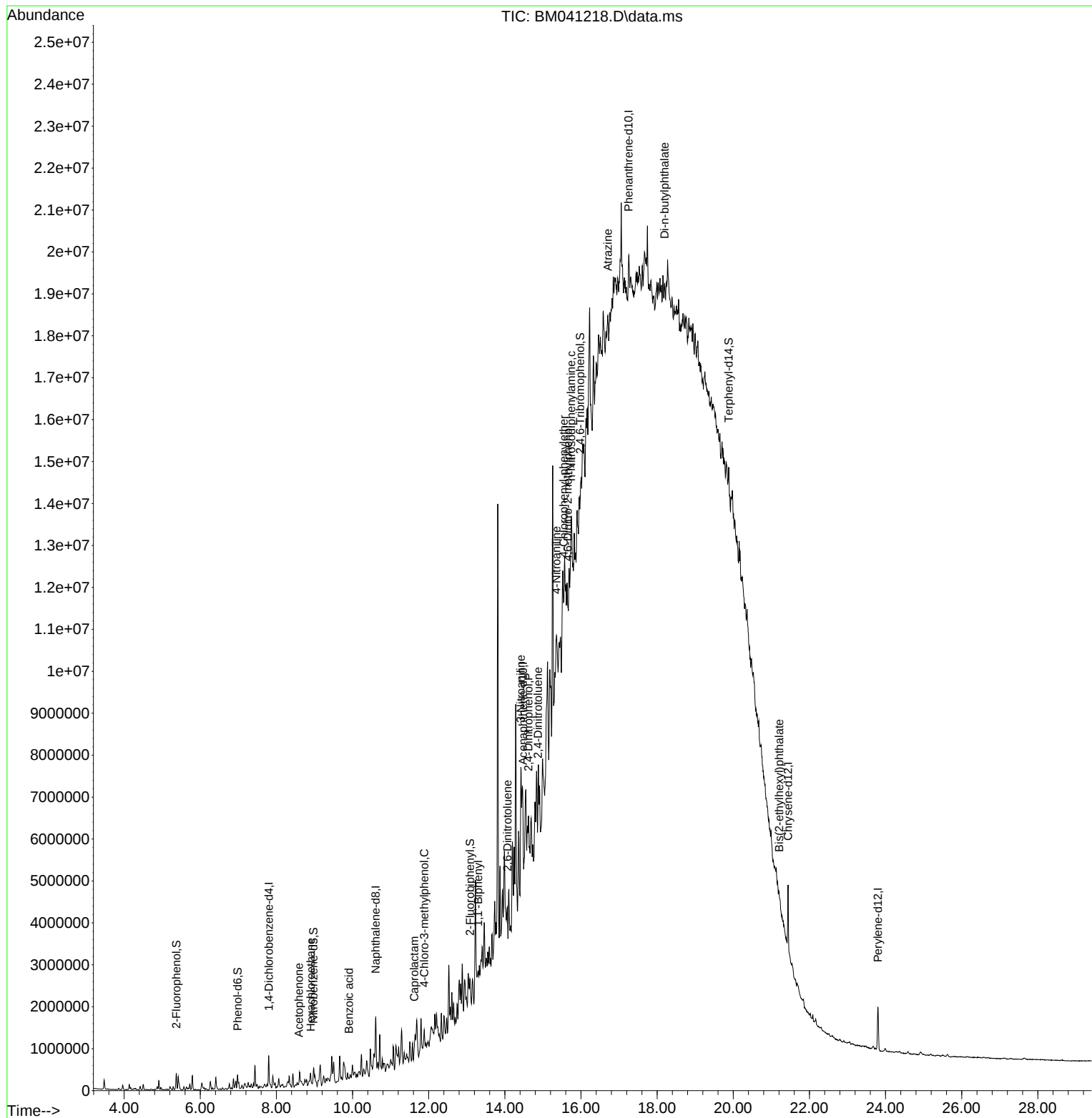
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	190073	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	714211	20.000	ng	# 0.00
39) Acenaphthene-d10	14.474	164	373684	20.000	ng	0.01
64) Phenanthrene-d10	17.251	188	513584	20.000	ng	# 0.03
76) Chrysene-d12	21.439	240	664258	20.000	ng	0.01
86) Perylene-d12	23.797	264	784342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	160668	12.634	ng	0.00
7) Phenol-d6	6.981	99	202496	12.284	ng	0.00
23) Nitrobenzene-d5	8.975	82	116729	7.601	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	59411	11.240	ng	0.02
45) 2-Fluorobiphenyl	13.086	172	255527	8.638	ng	0.00
79) Terphenyl-d14	19.880	244	306614	8.346	ng	0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	8.904	117	25604	5.063	ng	# 1
22) Acetophenone	8.592	105	52006	2.749	ng	# 57
32) Benzoic acid	9.904	122	1400	7.304	ng	# 1
35) Caprolactam	11.622	113	7520	2.413	ng	# 1
36) 4-Chloro-3-methylphenol	11.886	107	33592	2.962	ng	# 21
46) 1,1'-Biphenyl	13.298	154	120336	3.972	ng	98
51) 2,6-Dinitrotoluene	14.069	165	47837	8.213	ng	# 28
53) 3-Nitroaniline	14.421	138	35284	7.532	ng	# 30
54) 2,4-Dinitrophenol	14.621	184	1393	6.163	ng	# 1
57) 2,4-Dinitrotoluene	14.868	165	19596	4.895	ng	# 38
61) 4-Chlorophenyl-phenyle...	15.545	204	76371	5.383	ng	# 28
62) 4-Nitroaniline	15.351	138	146741	25.729	ng	84
65) 4,6-Dinitro-2-methylph...	15.651	198	11984	3.852	ng	# 1
66) n-Nitrosodiphenylamine	15.739	169	38781	2.428	ng	# 70
69) Atrazine	16.704	200	33019	7.872	ng	# 1
74) Di-n-butylphthalate	18.198	149	81036	2.807	ng	# 36
84) Bis(2-ethylhexyl)phtha...	21.209	149	8204	2.828	ng	# 57

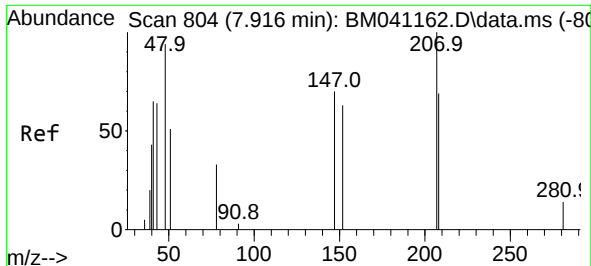
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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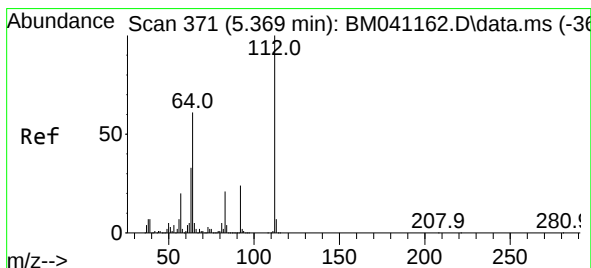
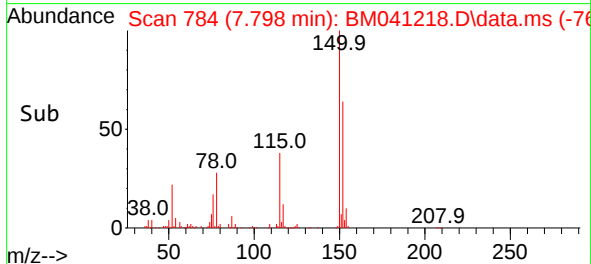
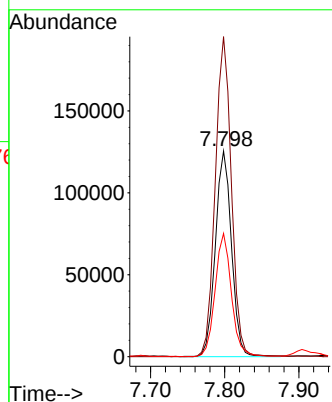
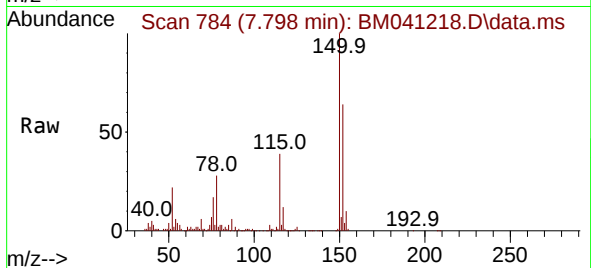




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

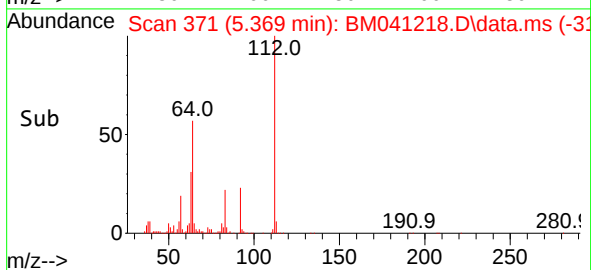
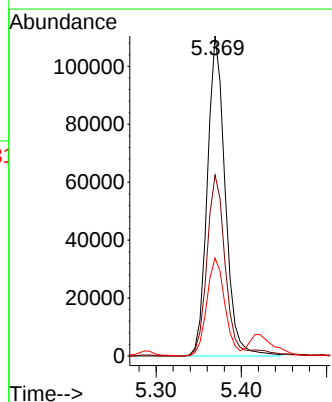
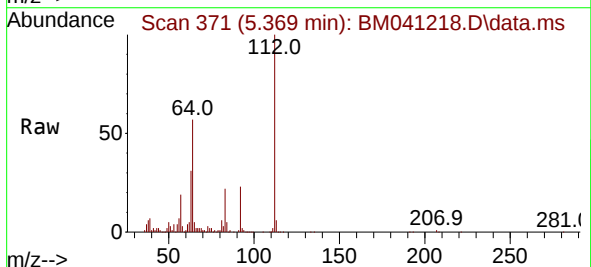
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ClientSampleId :
CO-405557

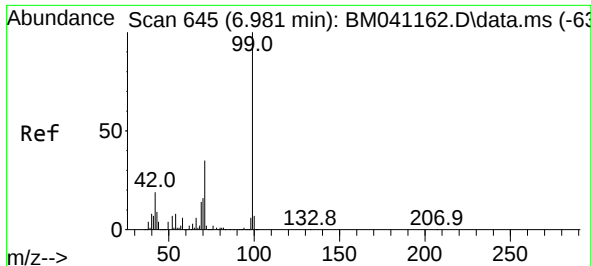
Tgt Ion:152 Resp: 190073
Ion Ratio Lower Upper
152 100
150 155.6 125.5 188.3
115 59.9 48.0 72.0



#5
2-Fluorophenol
Concen: 12.634 ng
RT: 5.369 min Scan# 371
Delta R.T. 0.006 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:112 Resp: 160668
Ion Ratio Lower Upper
112 100
64 56.6 48.5 72.7
63 30.6 26.5 39.7

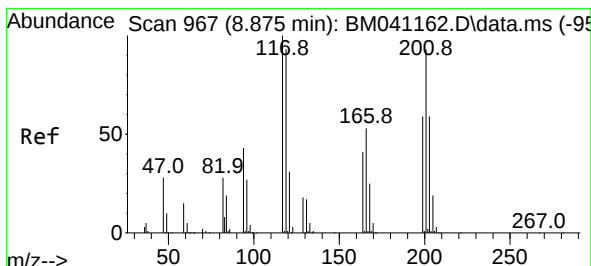
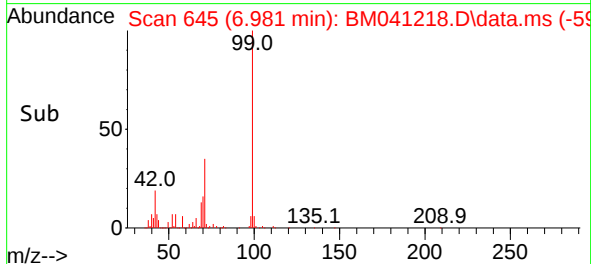
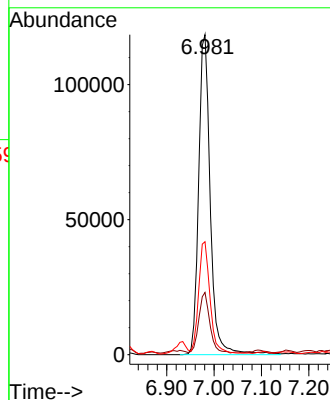
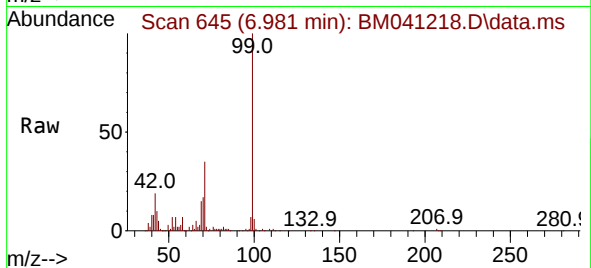




#7
Phenol-d6
Concen: 12.284 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.006 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

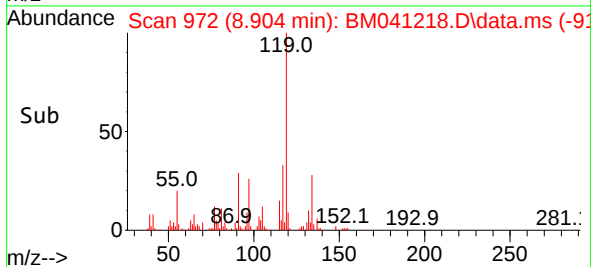
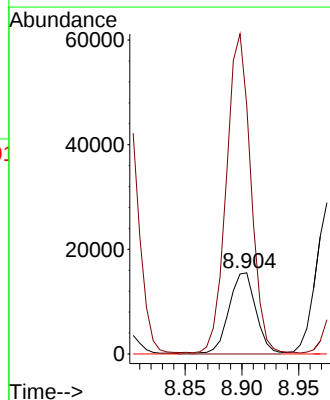
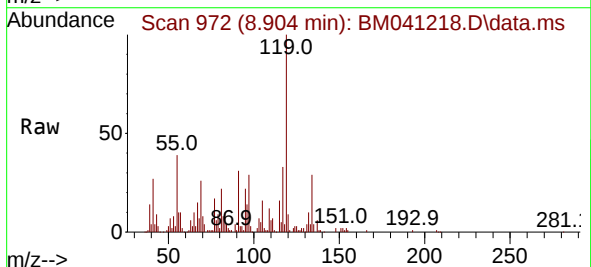
Instrument :
BNA_M
ClientSampleId :
CO-405557

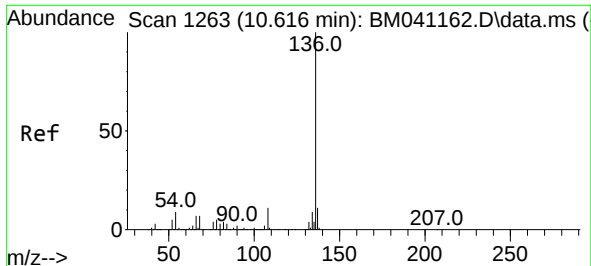
Tgt Ion: 99 Resp: 202496
Ion Ratio Lower Upper
99 100
42 19.4 15.4 23.0
71 35.3 28.2 42.4



#18
Hexachloroethane
Concen: 5.063 ng
RT: 8.904 min Scan# 972
Delta R.T. 0.035 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion: 117 Resp: 25604
Ion Ratio Lower Upper
117 100
119 306.6 74.2 111.4#
201 0.0 74.5 111.7#

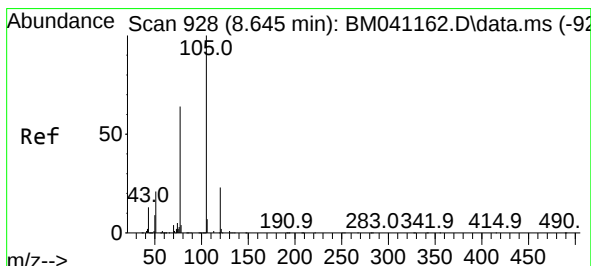
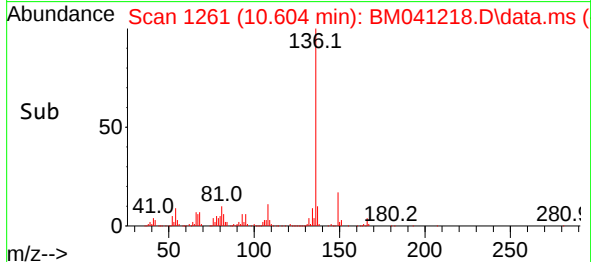
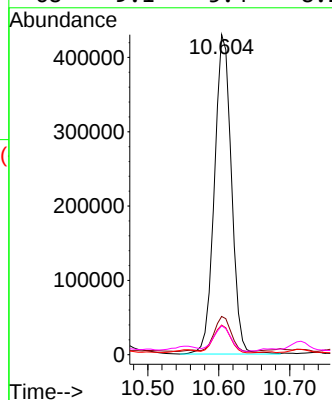
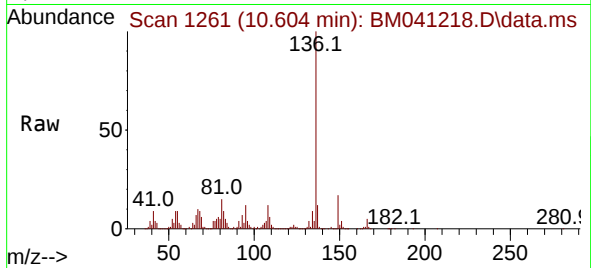




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

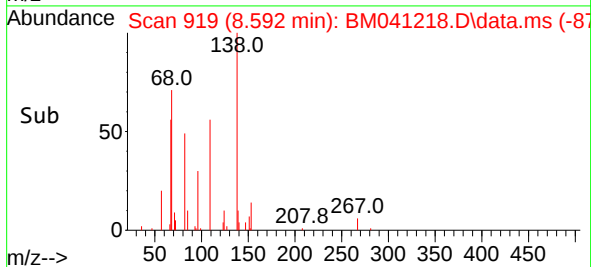
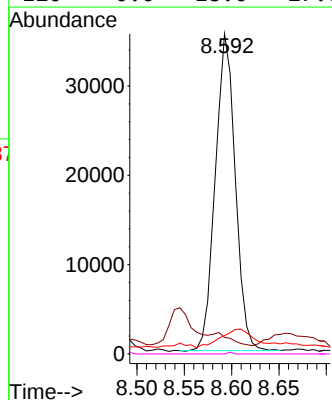
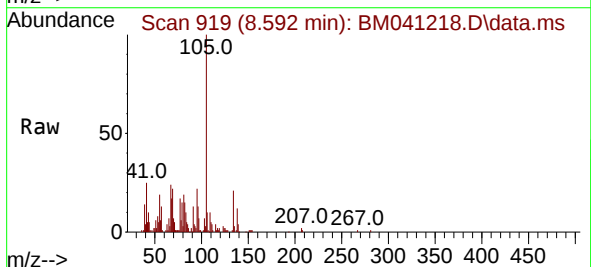
Instrument :
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ClientSampleId :
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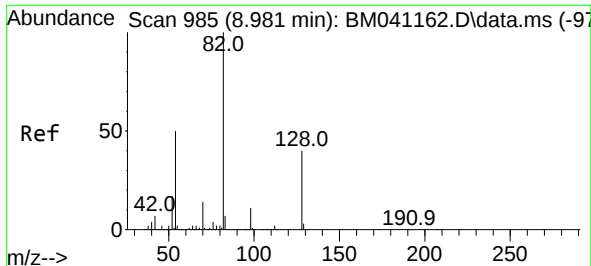
Tgt Ion:136 Resp: 714211
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 9.2 6.9 10.3
68 9.1 5.4 8.2#



#22
Acetophenone
Concen: 2.749 ng
RT: 8.592 min Scan# 919
Delta R.T. -0.041 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:105 Resp: 52006
Ion Ratio Lower Upper
105 100
71 5.1 1.2 1.8#
51 5.7 22.0 33.0#
120 0.0 18.0 27.0#

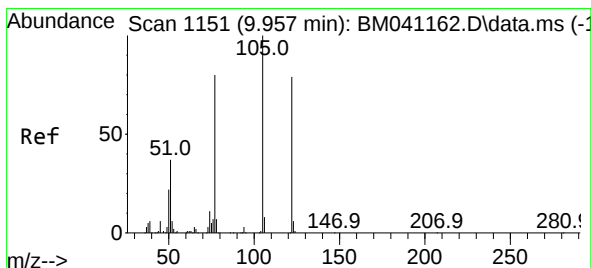
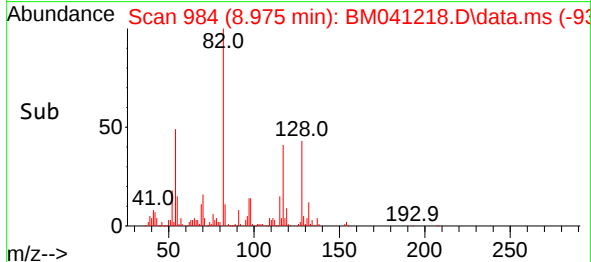
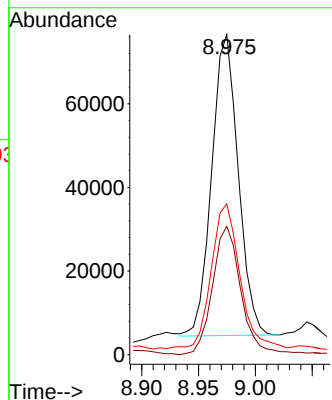
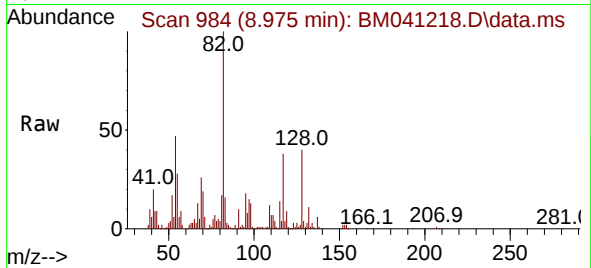




#23
Nitrobenzene-d5
Concen: 7.601 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

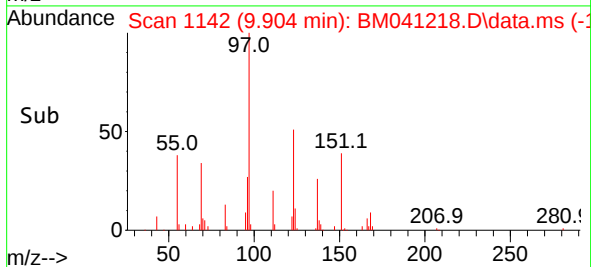
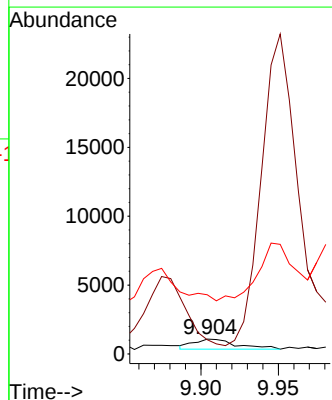
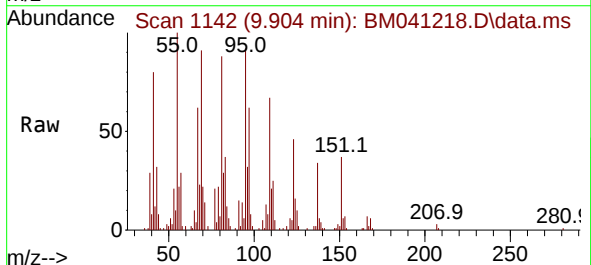
Instrument :
BNA_M
ClientSampleId :
CO-405557

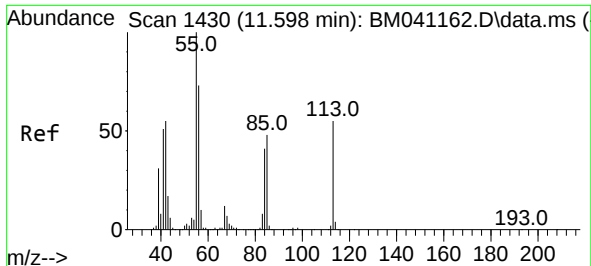
Tgt Ion: 82 Resp: 116729
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.6
54 47.1 40.1 60.1



#32
Benzoic acid
Concen: 7.304 ng
RT: 9.904 min Scan# 1142
Delta R.T. -0.041 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion: 122 Resp: 1400
Ion Ratio Lower Upper
122 100
105 95.6 104.0 144.0#
77 397.9 79.9 119.9#

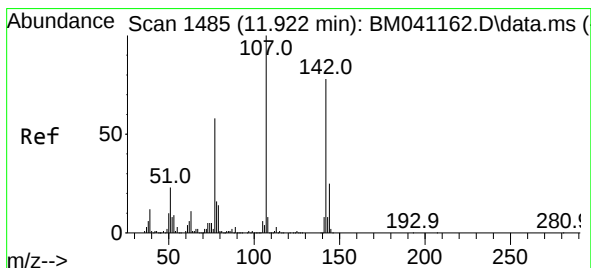
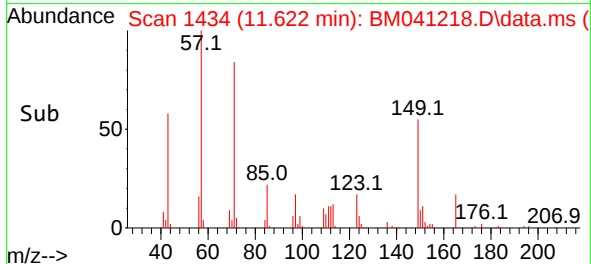
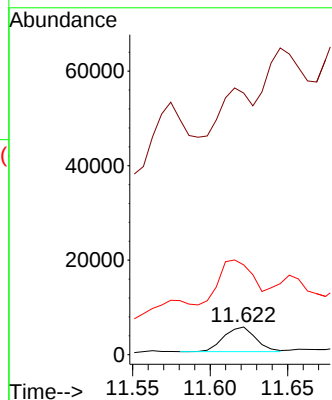
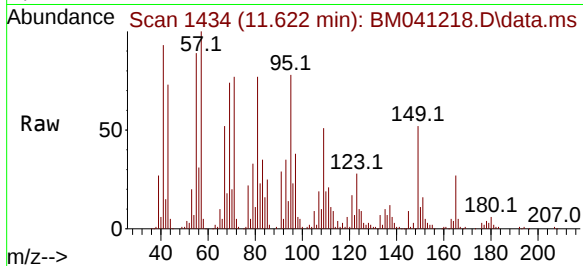




#35
Caprolactam
Concen: 2.413 ng
RT: 11.622 min Scan# 1434
Delta R.T. 0.024 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

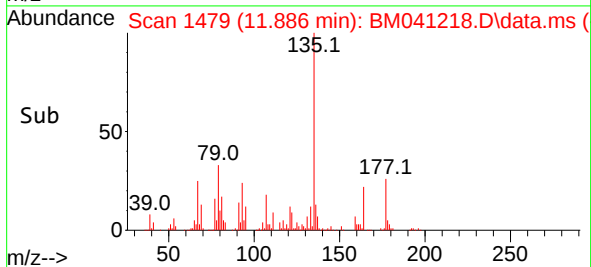
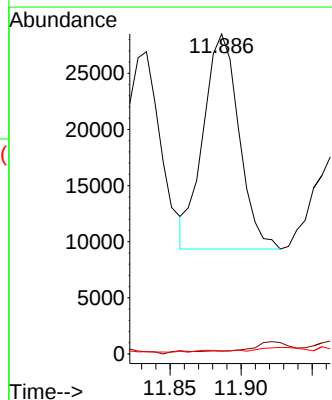
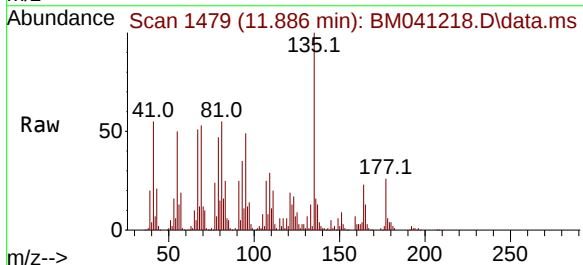
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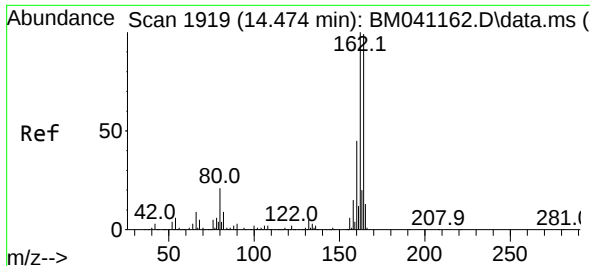
Tgt Ion:113 Resp: 7520
Ion Ratio Lower Upper
113 100
55 947.0 162.5 202.5#
56 325.1 114.1 154.1#



#36
4-Chloro-3-methylphenol
Concen: 2.962 ng
RT: 11.886 min Scan# 1479
Delta R.T. -0.029 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:107 Resp: 33592
Ion Ratio Lower Upper
107 100
144 0.9 20.1 30.1#
142 1.0 62.2 93.4#

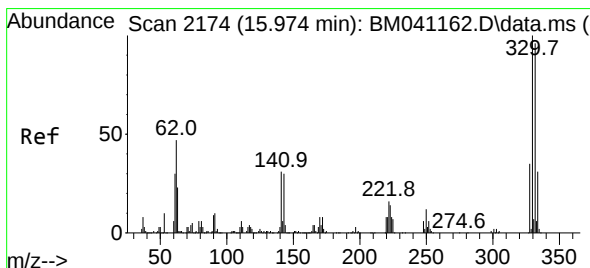
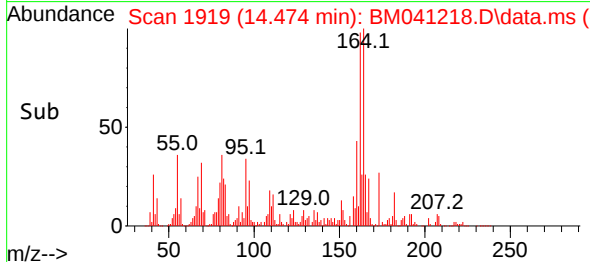
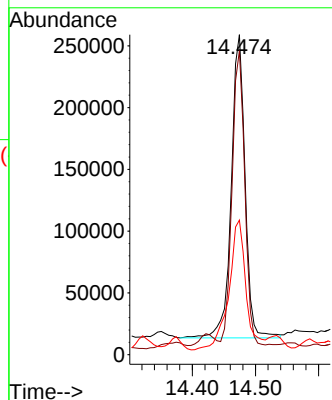
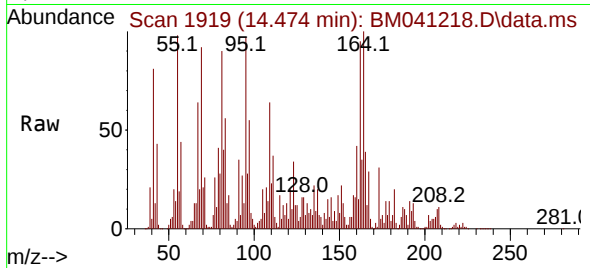




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1919
Delta R.T. 0.012 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

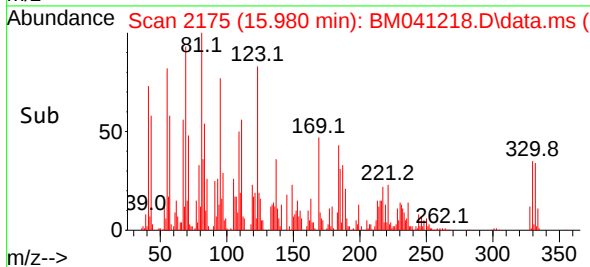
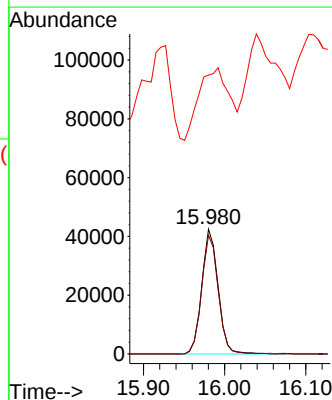
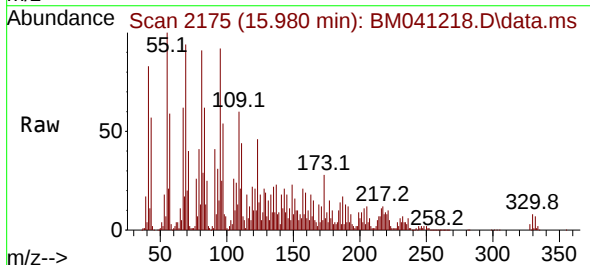
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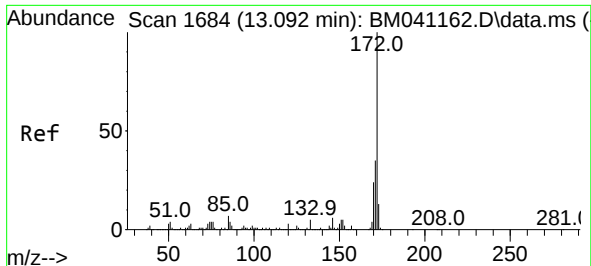
Tgt Ion:164 Resp: 373684
Ion Ratio Lower Upper
164 100
162 95.0 80.4 120.6
160 42.1 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 11.240 ng
RT: 15.980 min Scan# 2175
Delta R.T. 0.018 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:330 Resp: 59411
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 107.8 28.3 42.5#

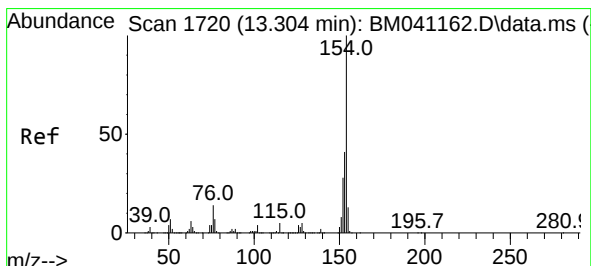
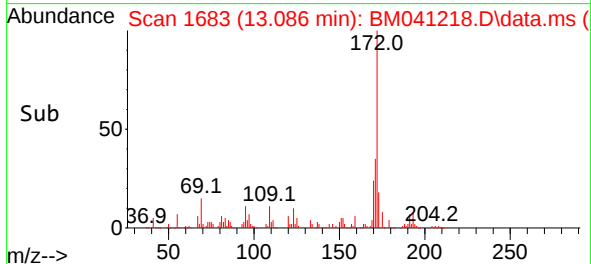
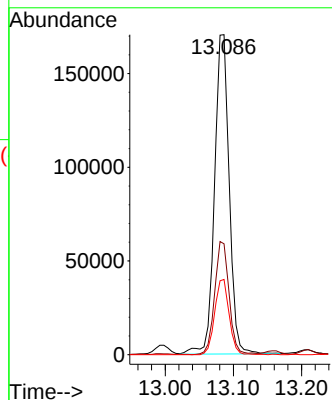
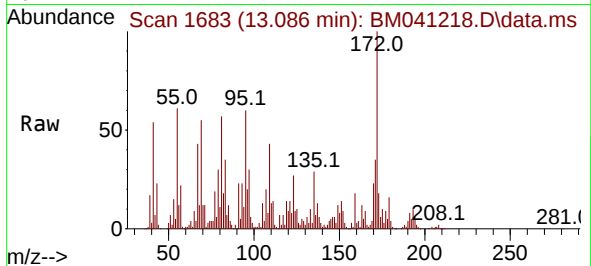




#45
2-Fluorobiphenyl
Concen: 8.638 ng
RT: 13.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

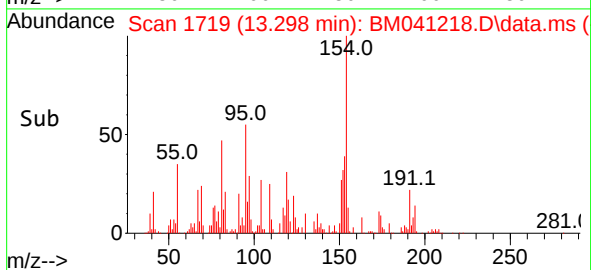
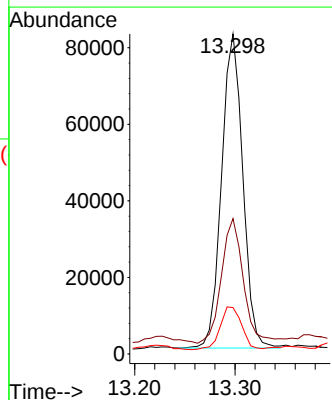
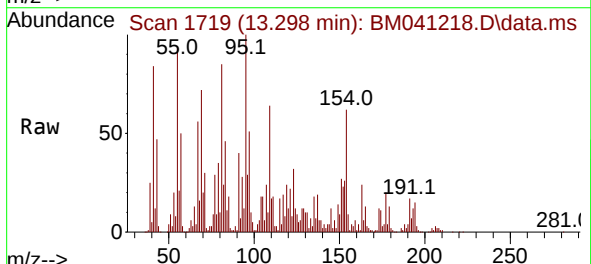
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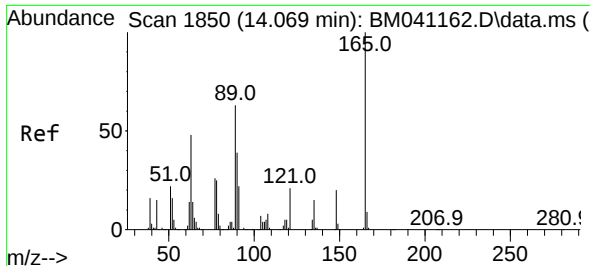
Tgt Ion:172 Resp: 255527
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 3.972 ng
RT: 13.298 min Scan# 1719
Delta R.T. 0.006 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:154 Resp: 120336
Ion Ratio Lower Upper
154 100
153 42.3 20.5 60.5
76 14.5 0.0 34.1

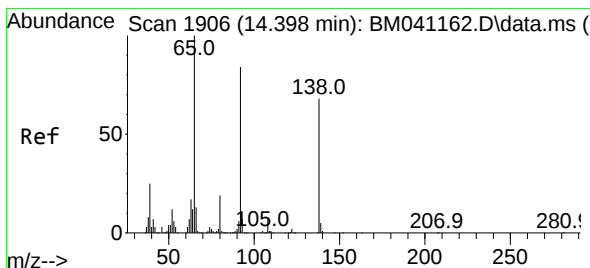
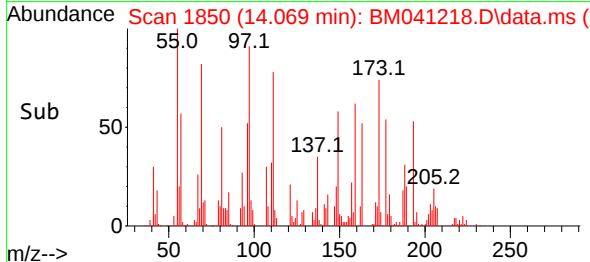
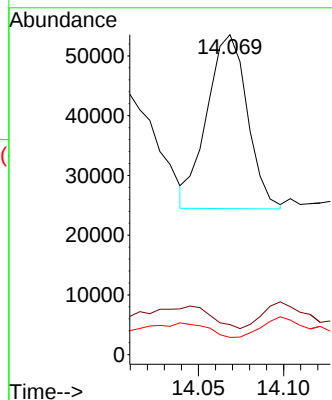
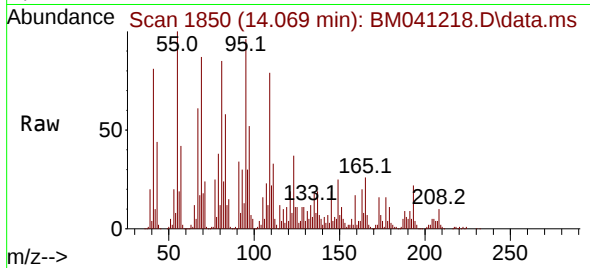




#51
2,6-Dinitrotoluene
Concen: 8.213 ng
RT: 14.069 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

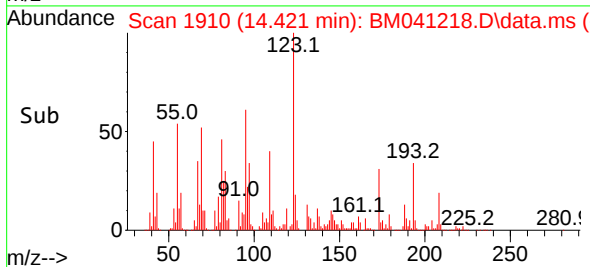
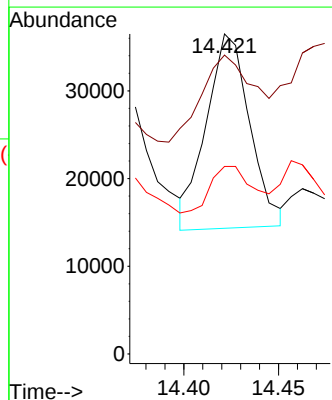
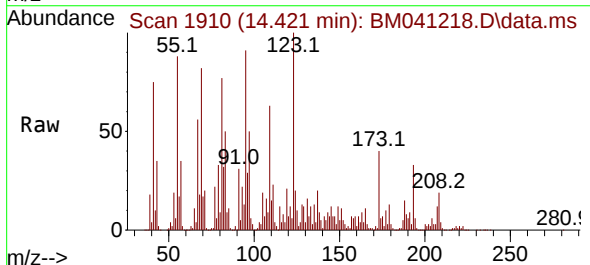
Instrument :
BNA_M
ClientSampleId :
CO-405557

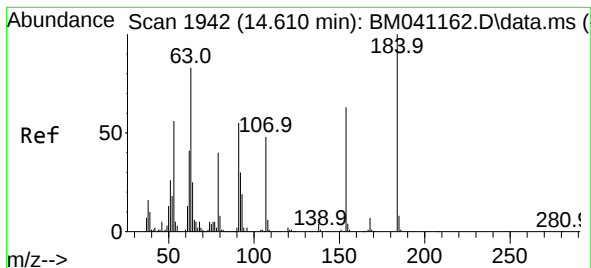
Tgt Ion:165 Resp: 47837
Ion Ratio Lower Upper
165 100
63 9.4 50.9 76.3#
89 5.4 50.6 76.0#



#53
3-Nitroaniline
Concen: 7.532 ng
RT: 14.421 min Scan# 1910
Delta R.T. 0.029 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:138 Resp: 35284
Ion Ratio Lower Upper
138 100
108 93.4 7.6 11.4#
92 58.6 98.9 148.3#





#54

2,4-Dinitrophenol

Concen: 6.163 ng

RT: 14.621 min Scan# 1944

Delta R.T. 0.018 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

Instrument :

BNA_M

ClientSampleId :

CO-405557

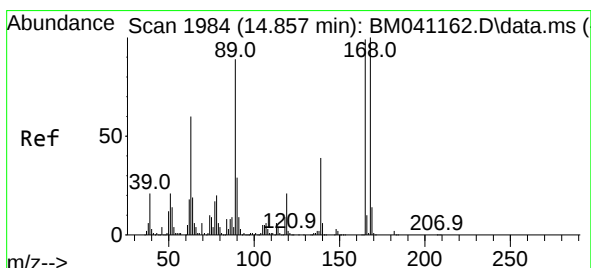
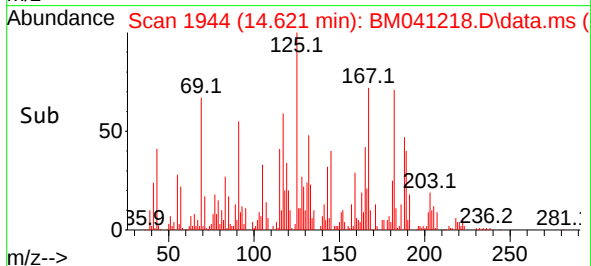
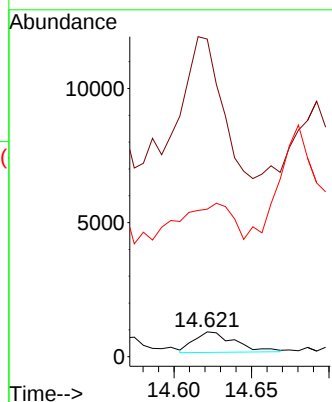
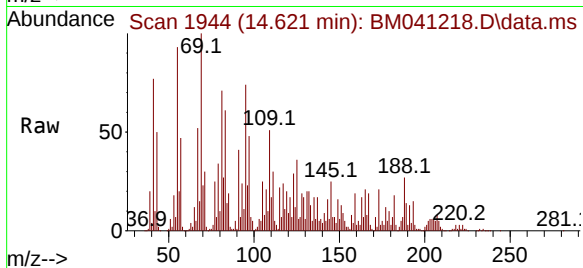
Tgt Ion:184 Resp: 1393

Ion Ratio Lower Upper

184 100

63 1282.9 66.5 99.7#

154 595.8 52.8 79.2#



#57

2,4-Dinitrotoluene

Concen: 4.895 ng

RT: 14.868 min Scan# 1986

Delta R.T. 0.018 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

Tgt Ion:165 Resp: 19596

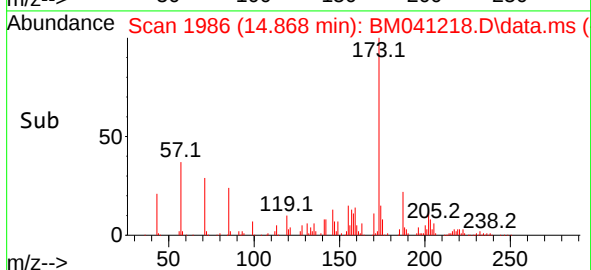
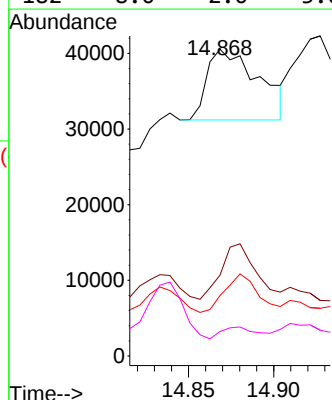
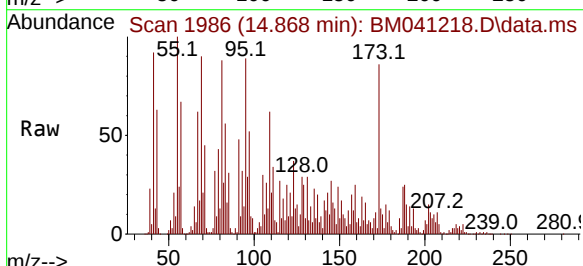
Ion Ratio Lower Upper

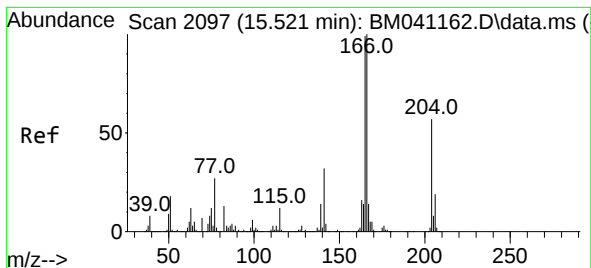
165 100

63 26.3 48.3 72.5#

89 19.7 71.8 107.8#

182 8.0 2.0 3.0#

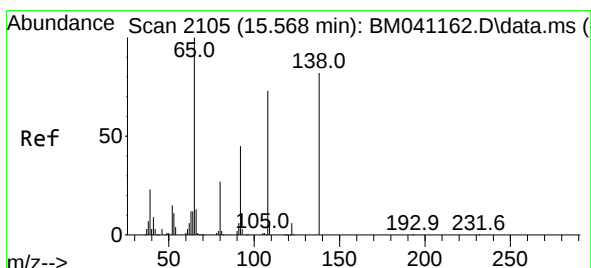
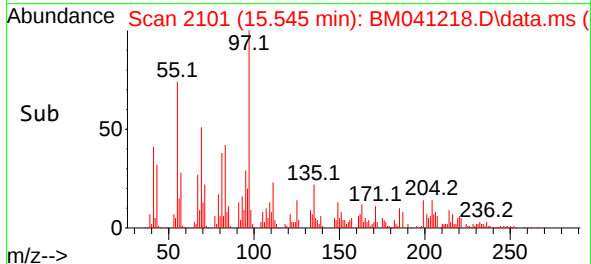
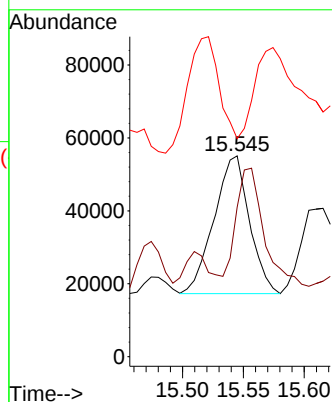
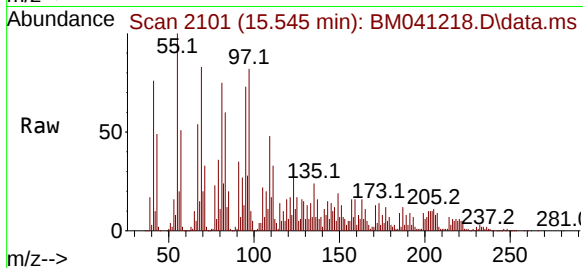




#61
4-Chlorophenyl-phenylether
Concen: 5.383 ng
RT: 15.545 min Scan# 2101
Delta R.T. 0.029 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

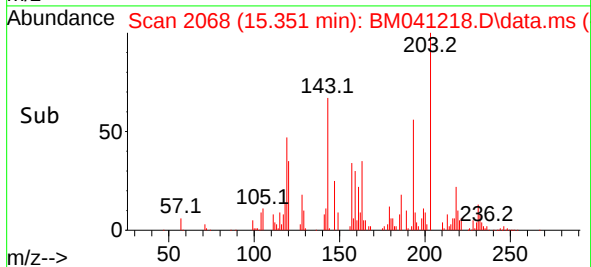
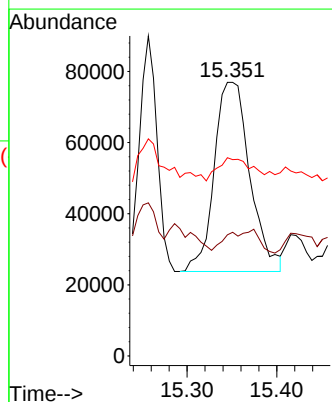
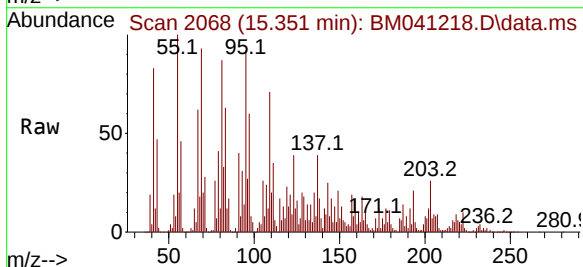
Instrument :
BNA_M
ClientSampleId :
CO-405557

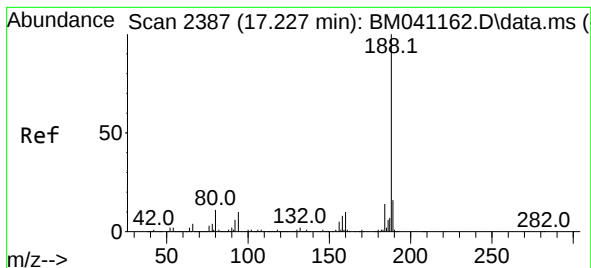
Tgt Ion:204 Resp: 76371
Ion Ratio Lower Upper
204 100
206 74.4 26.5 39.7#
141 108.6 44.8 67.2#



#62
4-Nitroaniline
Concen: 25.729 ng
RT: 15.351 min Scan# 2068
Delta R.T. -0.212 min
Lab File: BM041218.D
Acq: 01 Aug 2023 10:59

Tgt Ion:138 Resp: 146741
Ion Ratio Lower Upper
138 100
92 45.2 35.1 75.1
108 71.7 67.8 107.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.251 min Scan# 2119

Delta R.T. 0.029 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

Instrument :

BNA_M

ClientSampleId :

CO-405557

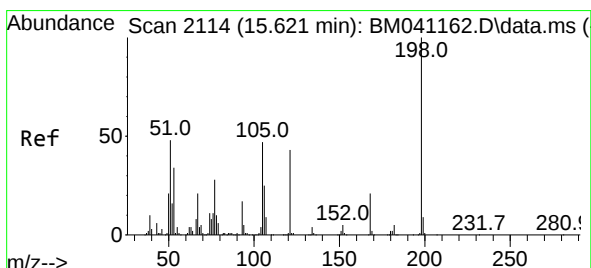
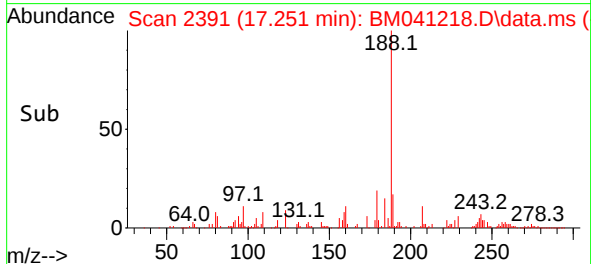
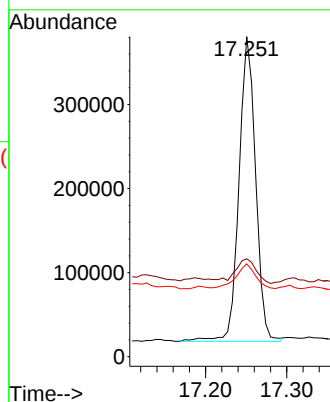
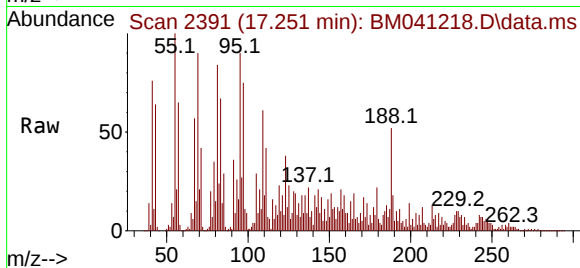
Tgt Ion:188 Resp: 513584

Ion Ratio Lower Upper

188 100

94 30.6 8.2 12.2#

80 29.0 8.6 13.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.852 ng

RT: 15.651 min Scan# 2119

Delta R.T. 0.035 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

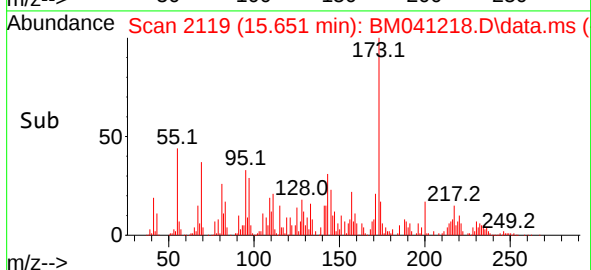
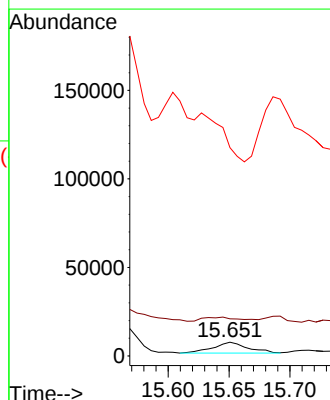
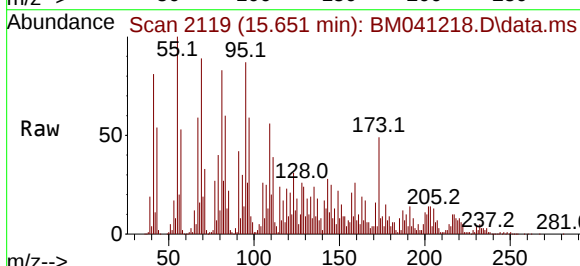
Tgt Ion:198 Resp: 11984

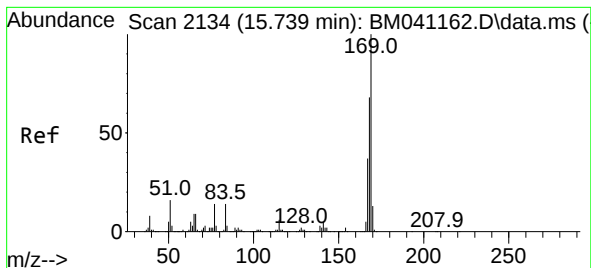
Ion Ratio Lower Upper

198 100

51 269.6 31.7 71.7#

105 1510.2 27.8 67.8#





#66

n-Nitrosodiphenylamine

Concen: 2.428 ng

RT: 15.739 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

Instrument :

BNA_M

ClientSampleId :

CO-405557

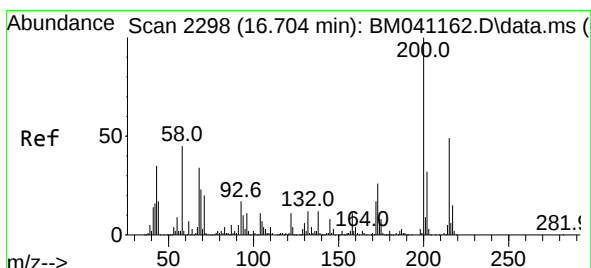
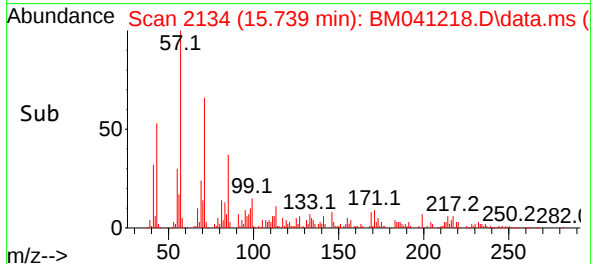
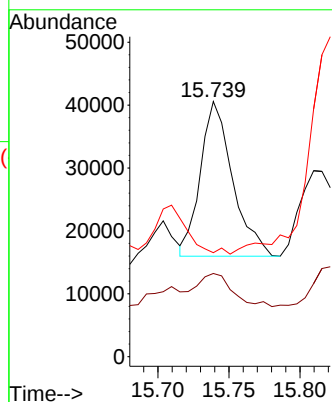
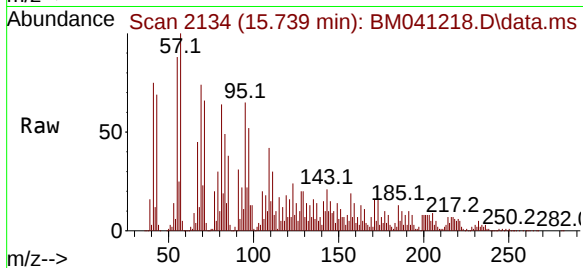
Tgt Ion:169 Resp: 38781

Ion Ratio Lower Upper

169 100

168 32.6 54.6 81.8#

167 40.8 29.9 44.9



#69

Atrazine

Concen: 7.872 ng

RT: 16.704 min Scan# 2298

Delta R.T. 0.006 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

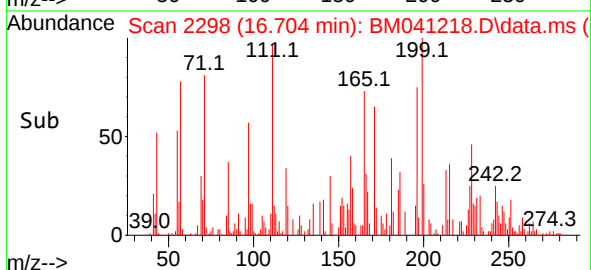
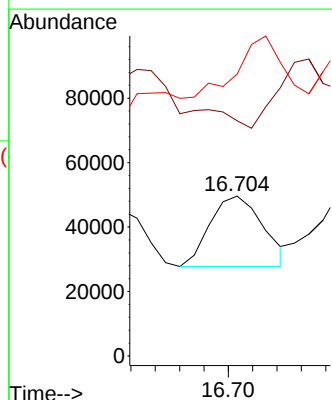
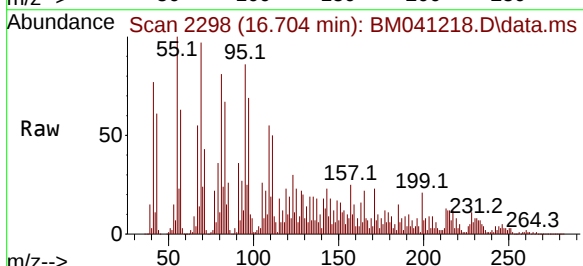
Tgt Ion:200 Resp: 33019

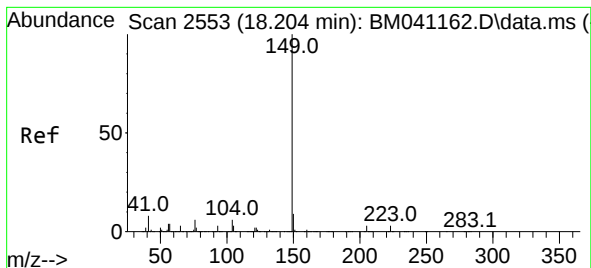
Ion Ratio Lower Upper

200 100

173 147.1 5.6 45.6#

215 176.4 28.5 68.5#





#74

Di-n-butylphthalate

Concen: 2.807 ng

RT: 18.198 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

Instrument :

BNA_M

ClientSampleId :

CO-405557

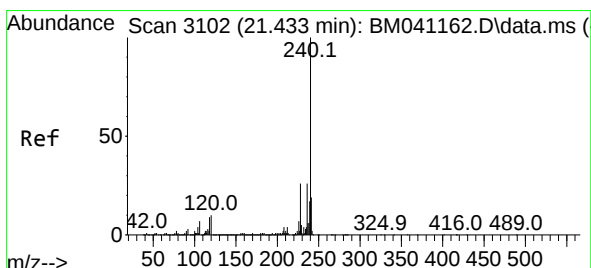
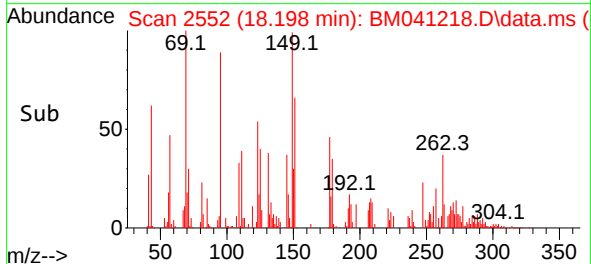
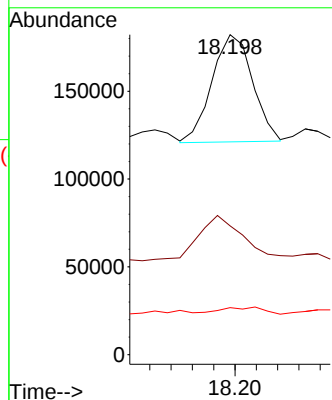
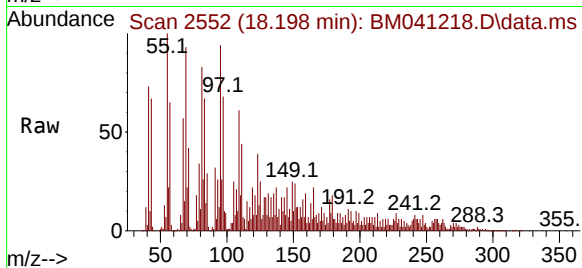
Tgt Ion:149 Resp: 81036

Ion Ratio Lower Upper

149 100

150 40.2 7.3 10.9#

104 14.7 4.5 6.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3103

Delta R.T. 0.012 min

Lab File: BM041218.D

Acq: 01 Aug 2023 10:59

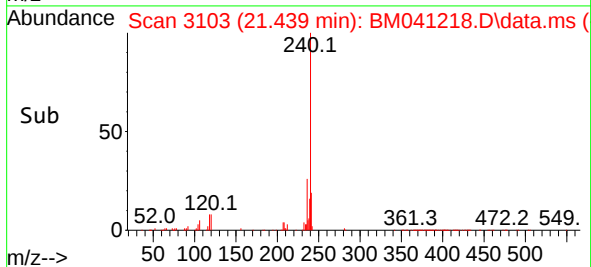
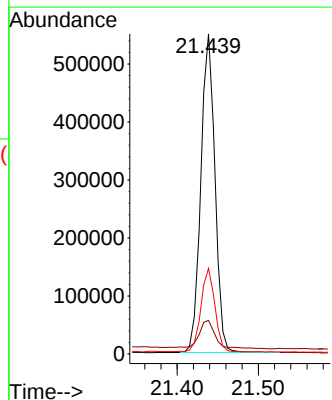
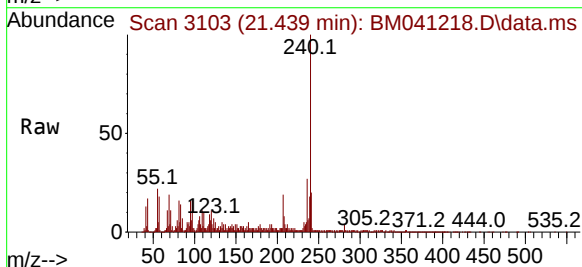
Tgt Ion:240 Resp: 664258

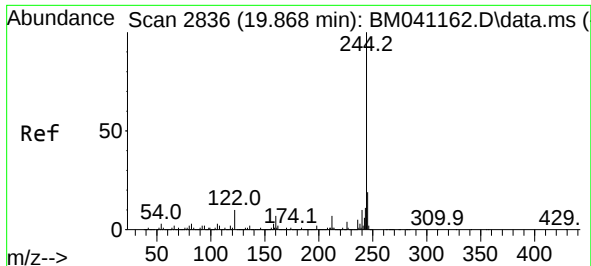
Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

236 26.8 20.6 30.8

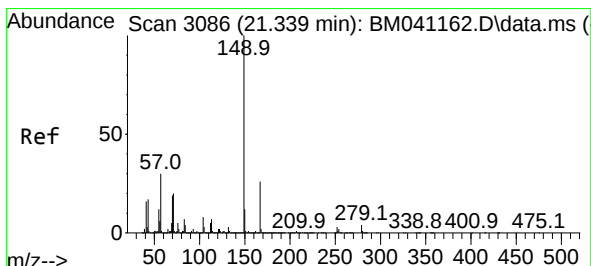
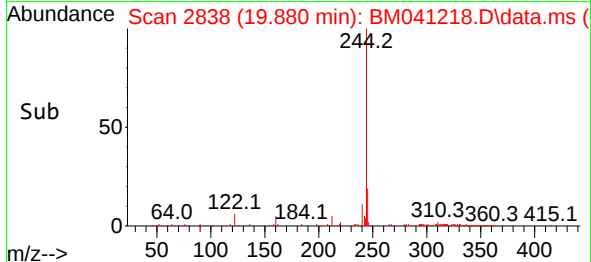
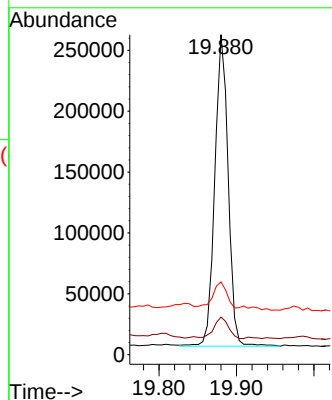
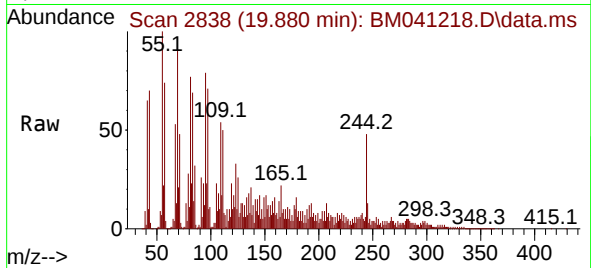




#79
 Terphenyl-d14
 Concen: 8.346 ng
 RT: 19.880 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BM041218.D
 Acq: 01 Aug 2023 10:59

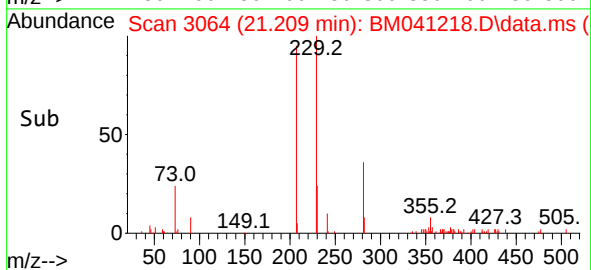
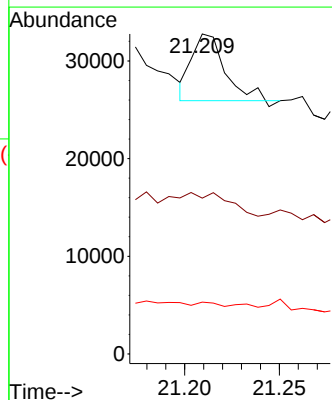
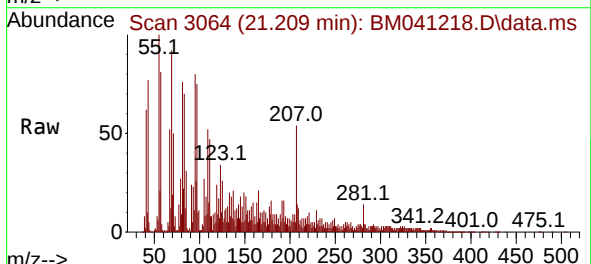
Instrument :
 BNA_M
 ClientSampleId :
 CO-405557

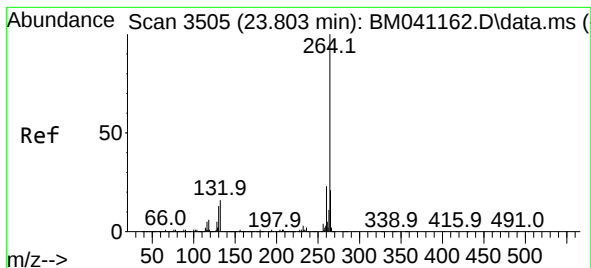
Tgt Ion:244 Resp: 306614
 Ion Ratio Lower Upper
 244 100
 212 11.8 5.4 8.2#
 122 22.8 7.8 11.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.828 ng
 RT: 21.209 min Scan# 3064
 Delta R.T. -0.129 min
 Lab File: BM041218.D
 Acq: 01 Aug 2023 10:59

Tgt Ion:149 Resp: 8204
 Ion Ratio Lower Upper
 149 100
 167 48.7 21.0 31.6#
 279 16.2 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM041218.D

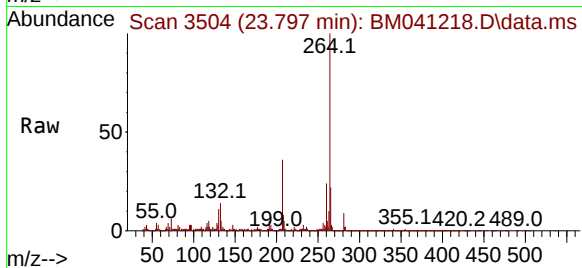
Acq: 01 Aug 2023 10:59

Instrument :

BNA_M

ClientSampleId :

CO-405557



Tgt Ion:264 Resp: 784342

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.1 17.4 26.0

