

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102723\
 Data File : BM042485.D
 Acq On : 27 Oct 2023 22:50
 Operator : MA/JU
 Sample : 04909-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LCOL-12

Quant Time: Oct 28 00:30:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 28 00:26:13 2023
 Response via : Initial Calibration

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

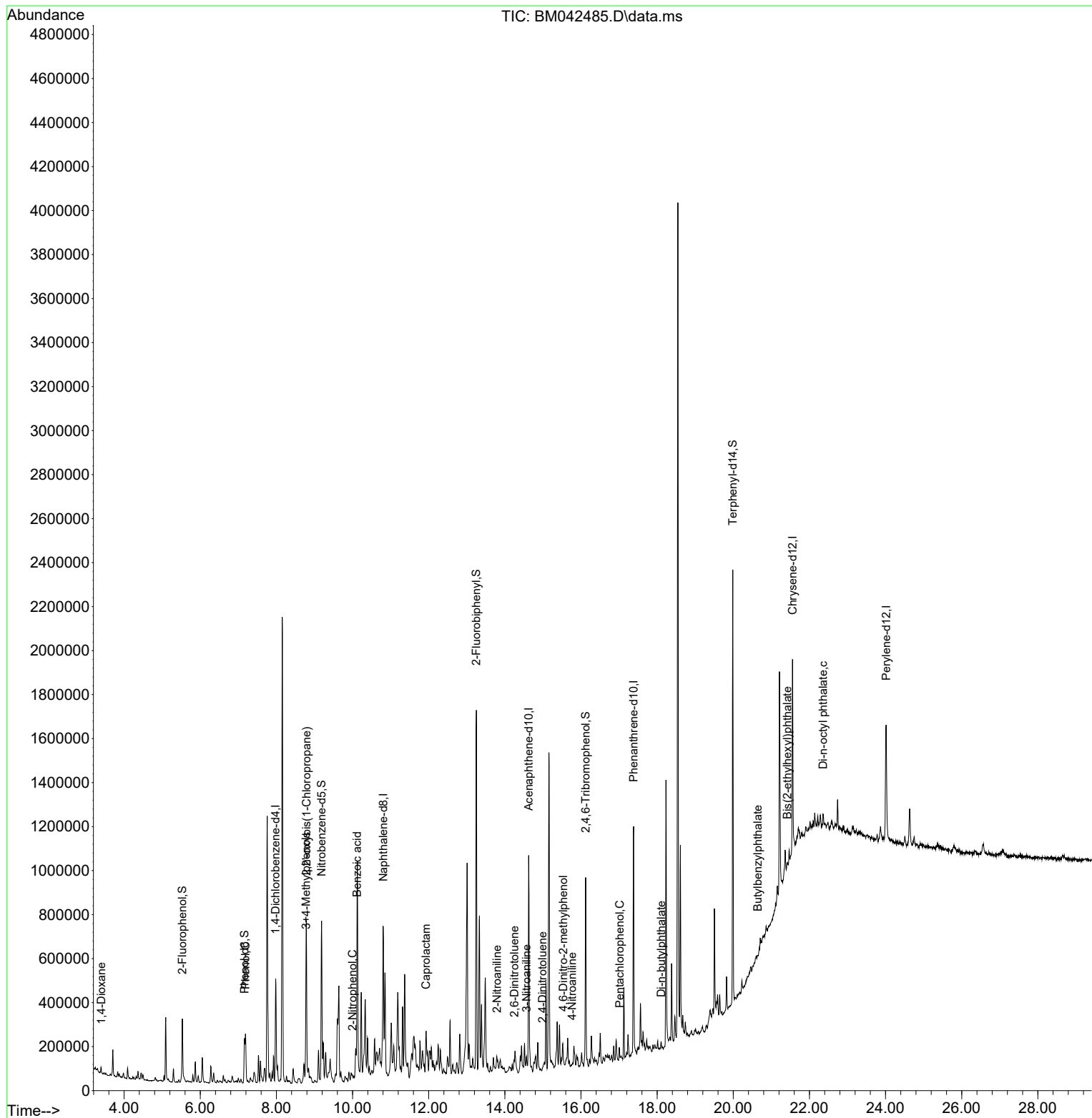
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	117495	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	502600	20.000	ng	0.00
39) Acenaphthene-d10	14.627	164	308163	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	614613	20.000	ng	0.00
76) Chrysene-d12	21.556	240	448672	20.000	ng	0.00
86) Perylene-d12	24.015	264	443602	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	119759	14.405	ng	0.00
7) Phenol-d6	7.163	99	112184	10.069	ng	0.00
23) Nitrobenzene-d5	9.187	82	412716	36.311	ng	0.00
42) 2,4,6-Tribromophenol	16.121	330	133810	45.766	ng	0.00
45) 2-Fluorobiphenyl	13.251	172	792545	34.633	ng	0.00
79) Terphenyl-d14	19.986	244	883213	34.911	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	9743	2.489	ng	# 77
10) Phenol	7.187	94	117869	10.239	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.787	45	277822	18.577	ng	80
20) 3+4-Methylphenols	8.775	107	87464	8.584	ng	95
26) 2-Nitrophenol	9.998	139	1222	2.971	ng	# 93
32) Benzoic acid	10.116	122	1662	5.581	ng	# 35
35) Caprolactam	11.928	113	28340	15.113	ng	94
48) 2-Nitroaniline	13.792	65	4511	4.166	ng	# 40
51) 2,6-Dinitrotoluene	14.251	165	807	3.036	ng	# 1
53) 3-Nitroaniline	14.569	138	1303	3.466	ng	# 1
57) 2,4-Dinitrotoluene	14.992	165	2036	4.336	ng	# 48
62) 4-Nitroaniline	15.763	138	276	3.845	ng	# 51
65) 4,6-Dinitro-2-methylph...	15.533	198	61	6.099	ng	# 1
70) Pentachlorophenol	17.015	266	1280	6.219	ng	89
74) Di-n-butylphthalate	18.104	149	7305	2.992	ng	# 18
80) Butylbenzylphthalate	20.645	149	811	3.312	ng	# 52
84) Bis(2-ethylhexyl)phtha...	21.421	149	3836	3.545	ng	# 95
85) Di-n-octyl phthalate	22.356	149	1516	4.258	ng	# 1

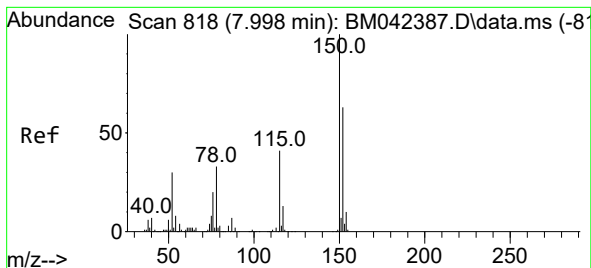
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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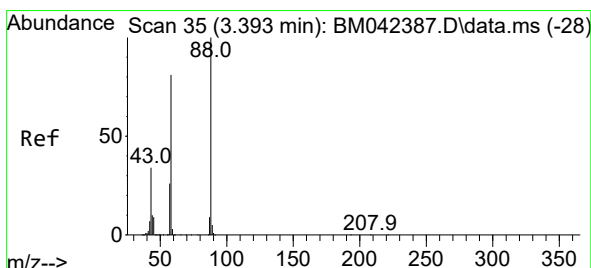
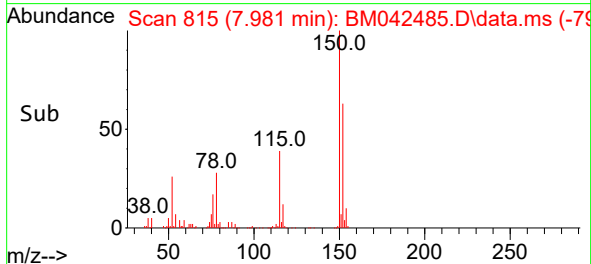
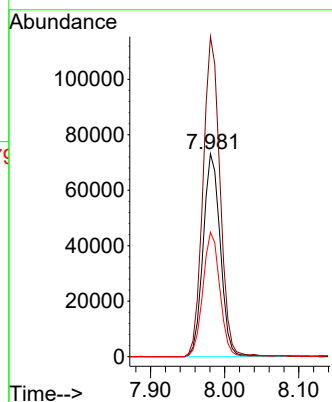
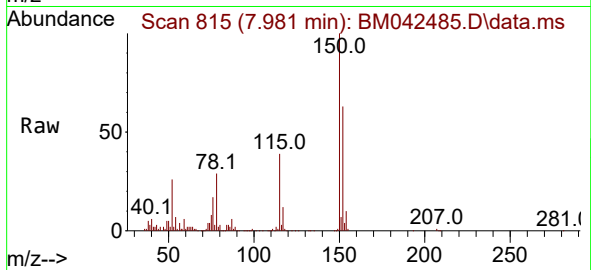




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.981 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM042485.D
 Acq: 27 Oct 2023 22:50

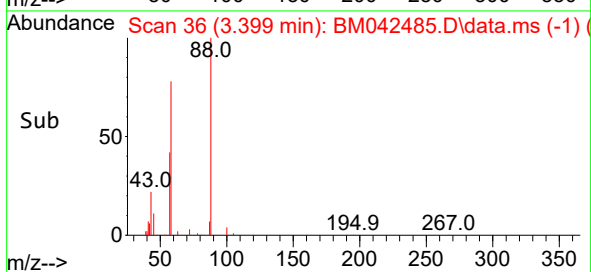
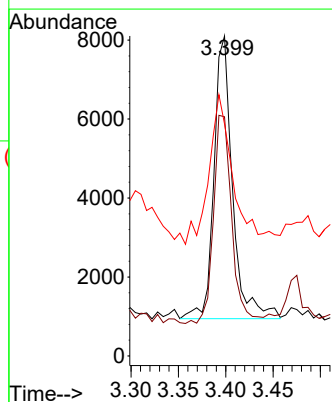
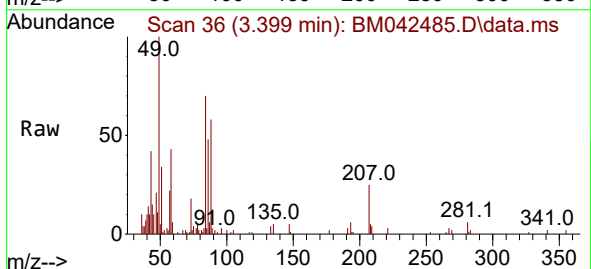
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 LCOL-12

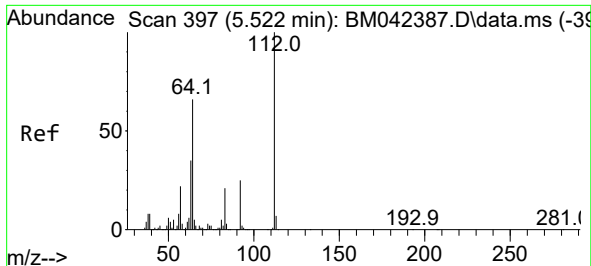
Tgt Ion:152 Resp: 117495
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.4
 115 61.3 51.9 77.9



#2
 1,4-Dioxane
 Concen: 2.489 ng
 RT: 3.399 min Scan# 36
 Delta R.T. -0.000 min
 Lab File: BM042485.D
 Acq: 27 Oct 2023 22:50

Tgt Ion: 88 Resp: 9743
 Ion Ratio Lower Upper
 88 100
 58 72.8 64.9 97.3
 43 67.0 27.8 41.8#

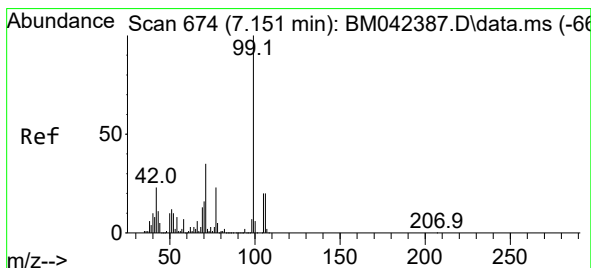
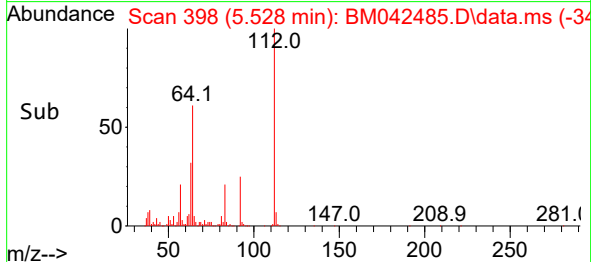
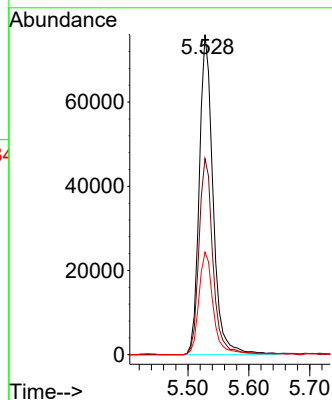
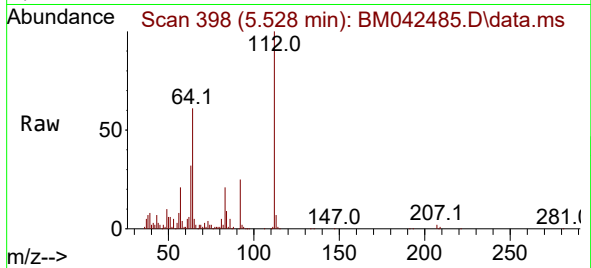




#5
2-Fluorophenol
Concen: 14.405 ng
RT: 5.528 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

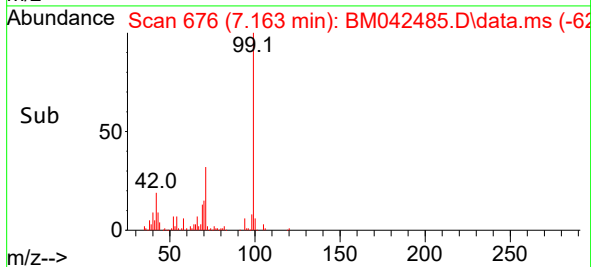
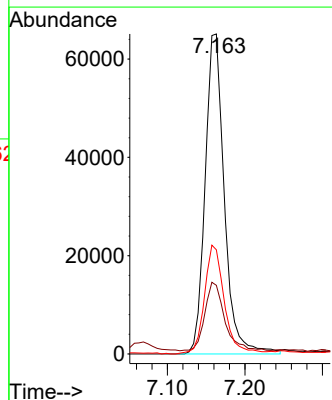
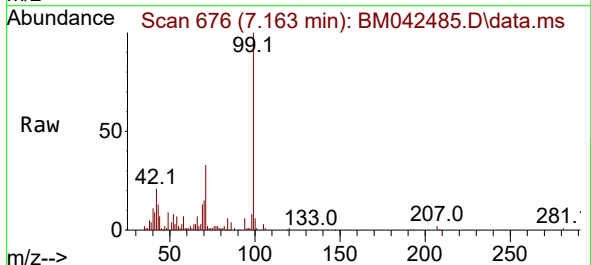
Instrument :
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ClientSampleId :
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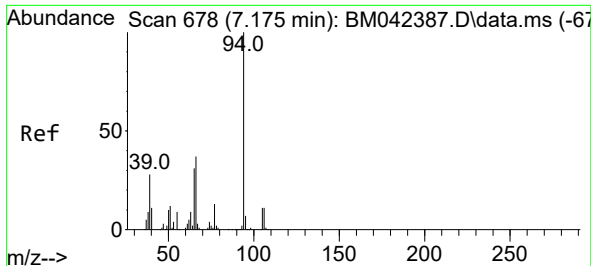
Tgt Ion:112 Resp: 119759
Ion Ratio Lower Upper
112 100
64 61.3 52.7 79.1
63 32.1 28.3 42.5



#7
Phenol-d6
Concen: 10.069 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion: 99 Resp: 112184
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 32.5 27.7 41.5

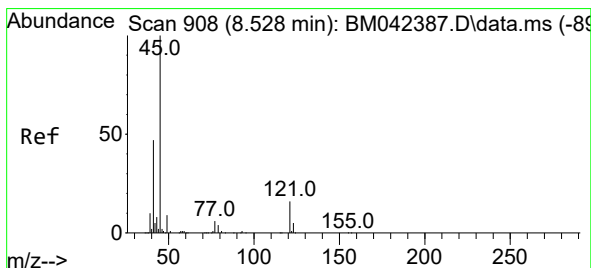
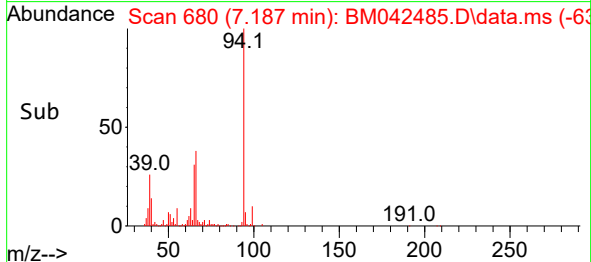
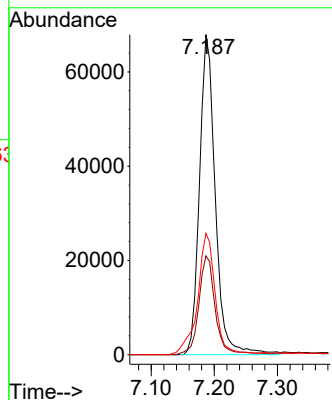
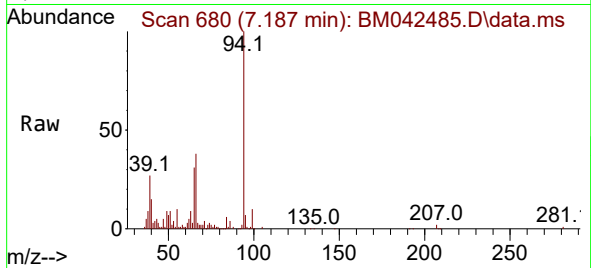




#10
Phenol
Concen: 10.239 ng
RT: 7.187 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

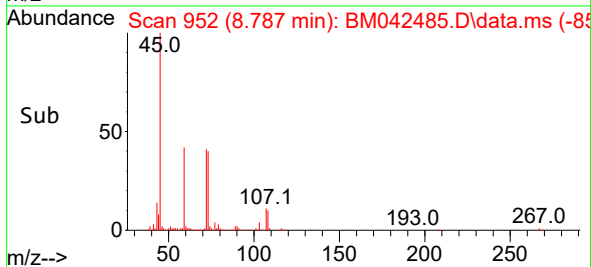
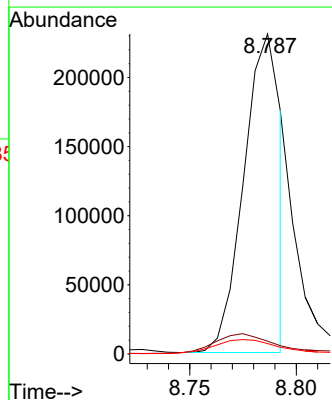
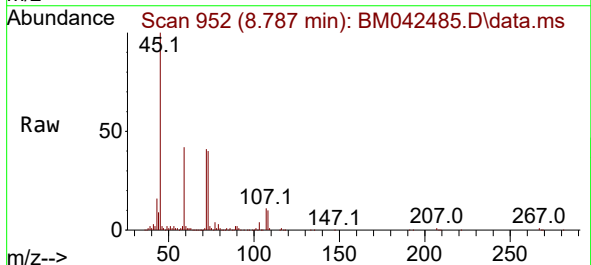
Instrument :
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ClientSampleId :
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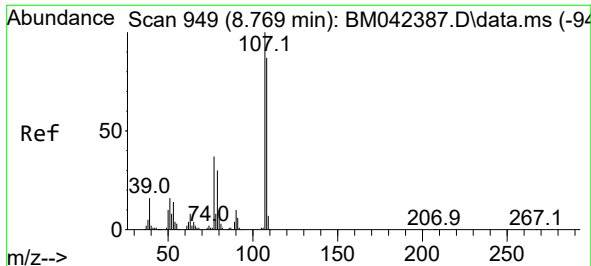
Tgt Ion: 94 Resp: 117869
Ion Ratio Lower Upper
94 100
65 30.9 10.9 50.9
66 37.9 18.2 58.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.577 ng
RT: 8.787 min Scan# 952
Delta R.T. 0.265 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion: 45 Resp: 277822
Ion Ratio Lower Upper
45 100
77 4.0 0.0 32.2
79 3.2 0.0 30.4

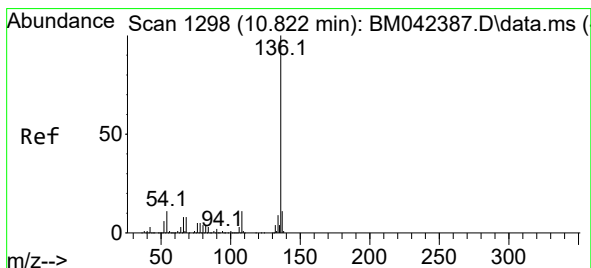
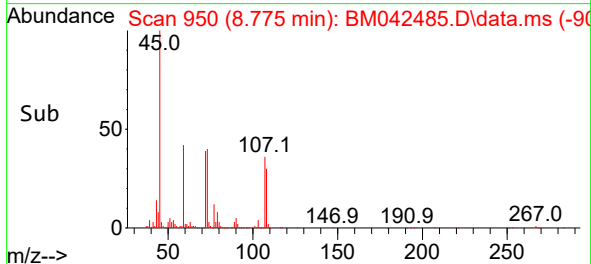
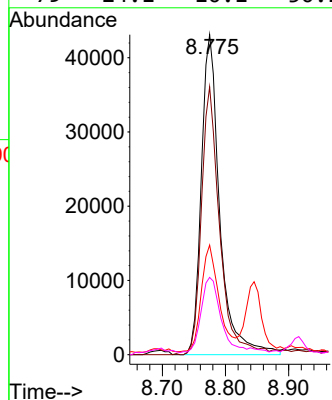
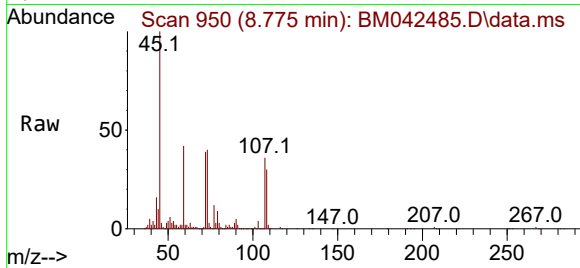




#20
3+4-Methylphenols
Concen: 8.584 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

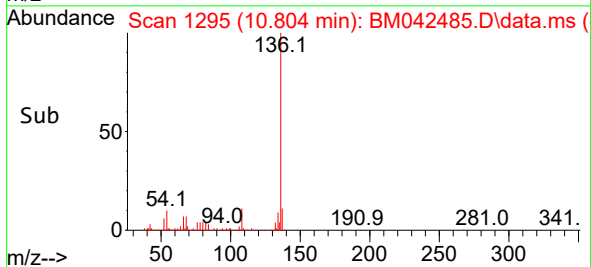
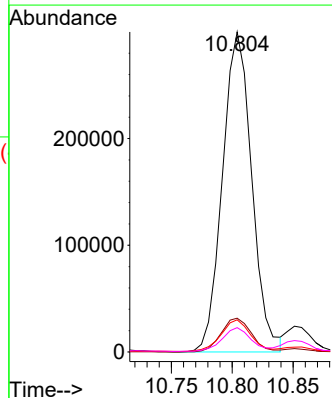
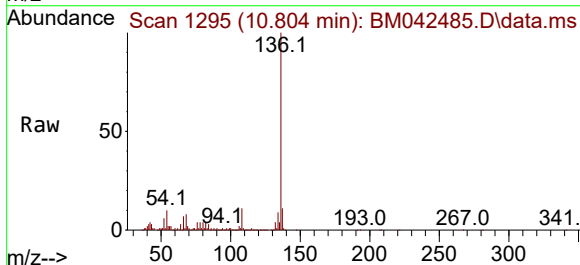
Instrument :
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ClientSampleId :
LCOL-12

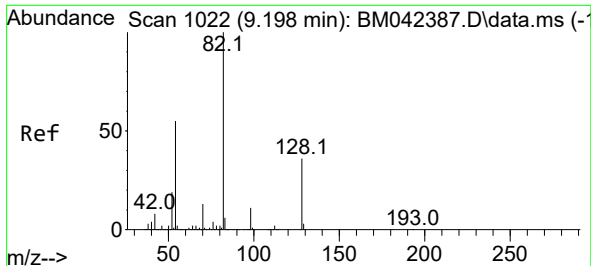
Tgt Ion:107 Resp: 87464
Ion Ratio Lower Upper
107 100
108 83.7 67.2 107.2
77 34.3 16.8 56.8
79 24.1 10.1 50.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.804 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion:136 Resp: 502600
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.1 8.6 12.8
68 7.6 6.4 9.6





#23

Nitrobenzene-d5

Concen: 36.311 ng

RT: 9.187 min Scan# 110

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

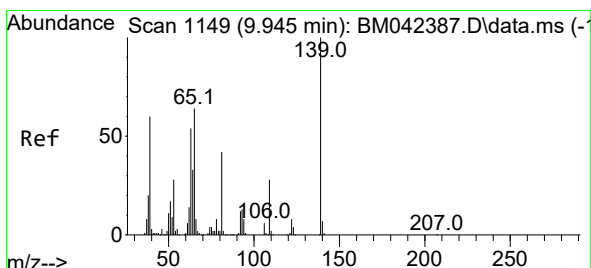
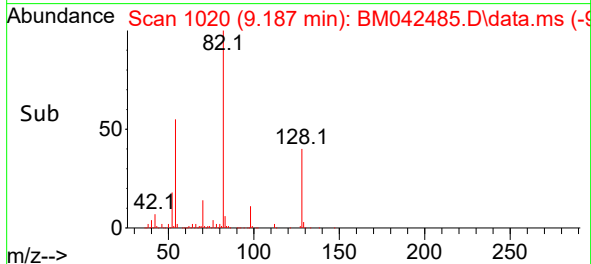
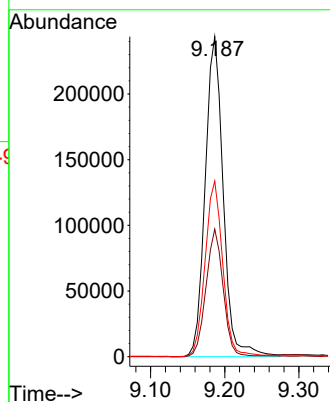
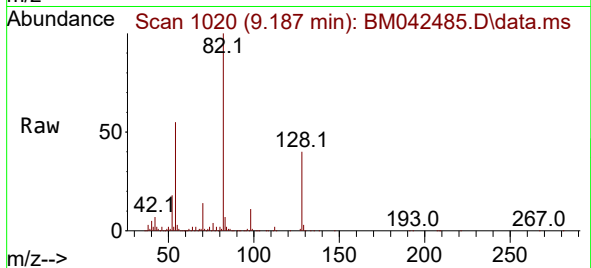
Tgt Ion: 82 Resp: 412716

Ion Ratio Lower Upper

82 100

128 39.8 29.0 43.6

54 54.9 43.7 65.5



#26

2-Nitrophenol

Concen: 2.971 ng

RT: 9.998 min Scan# 1158

Delta R.T. 0.059 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

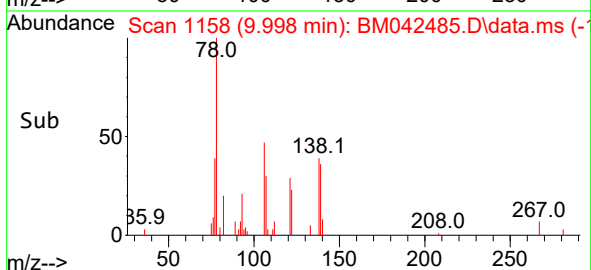
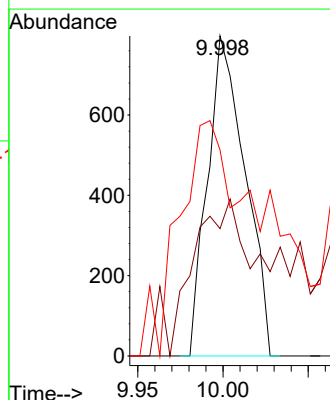
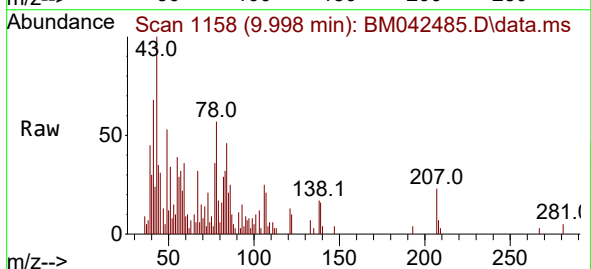
Tgt Ion: 139 Resp: 1222

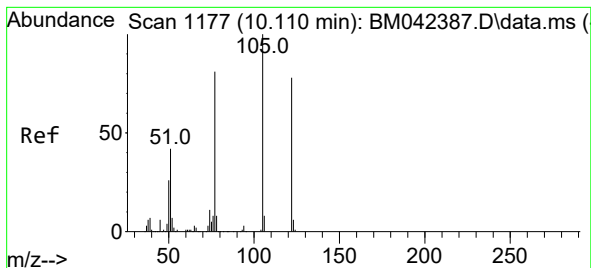
Ion Ratio Lower Upper

139 100

109 39.8 22.3 33.5#

65 64.4 51.1 76.7

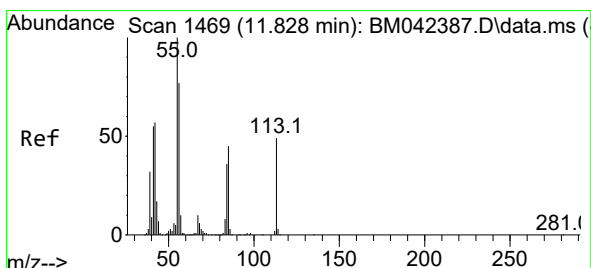
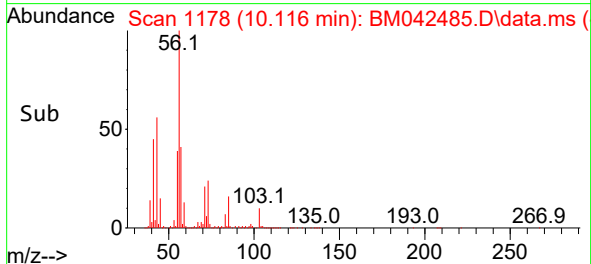
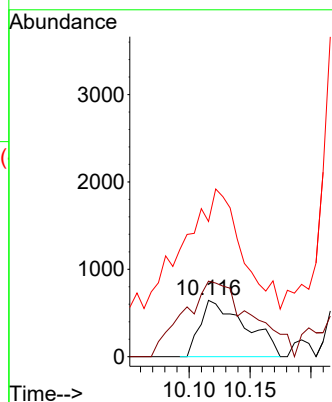
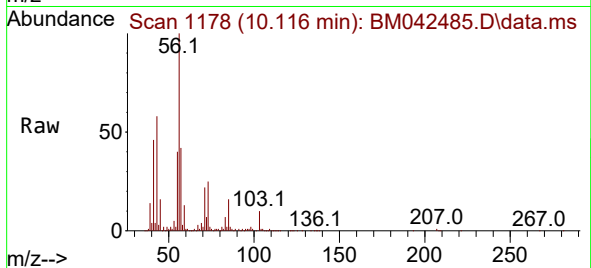




#32
Benzoic acid
Concen: 5.581 ng
RT: 10.116 min Scan# 1177
Delta R.T. -0.059 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

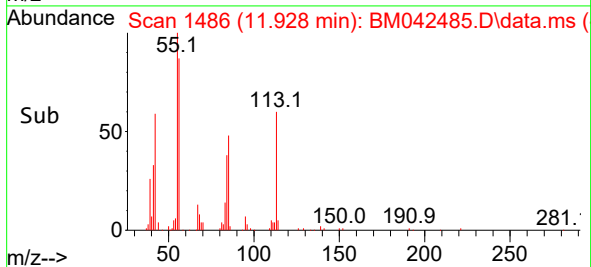
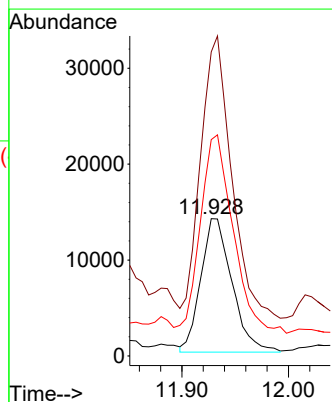
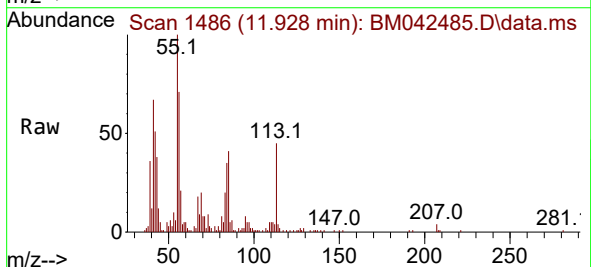
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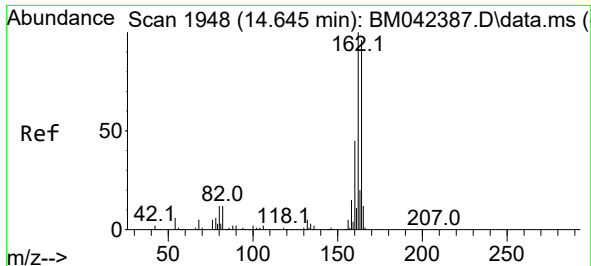
Tgt Ion:122 Resp: 1662
Ion Ratio Lower Upper
122 100
105 134.1 104.9 144.9
77 240.0 83.4 123.4#



#35
Caprolactam
Concen: 15.113 ng
RT: 11.928 min Scan# 1486
Delta R.T. -0.018 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion:113 Resp: 28340
Ion Ratio Lower Upper
113 100
55 221.4 185.6 225.6
56 157.5 137.8 177.8

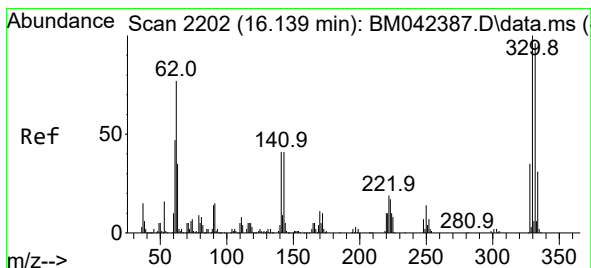
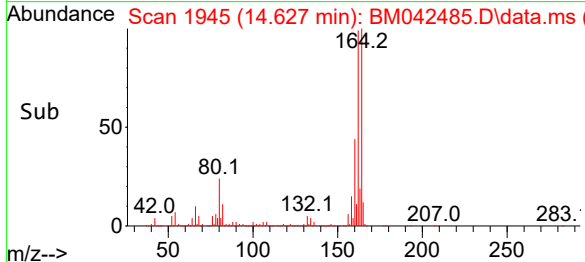
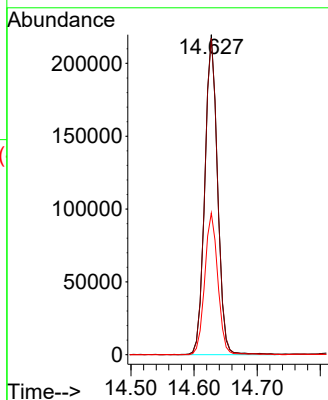
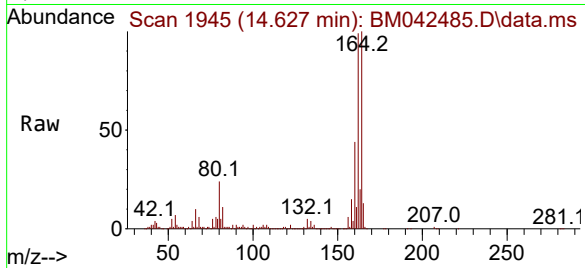




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

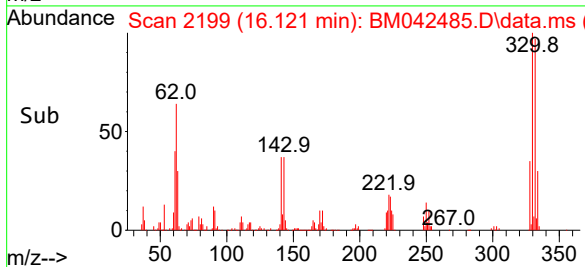
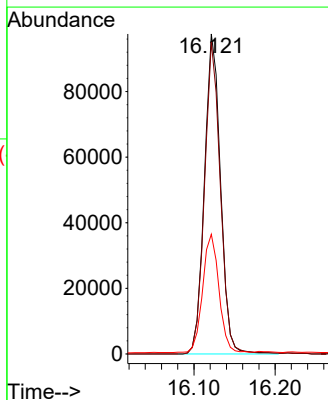
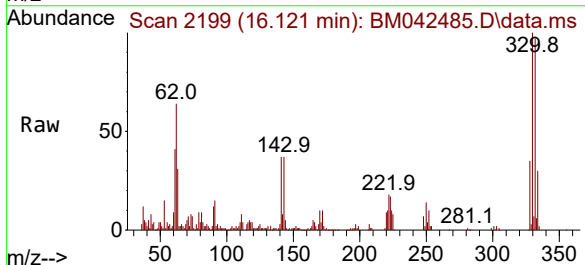
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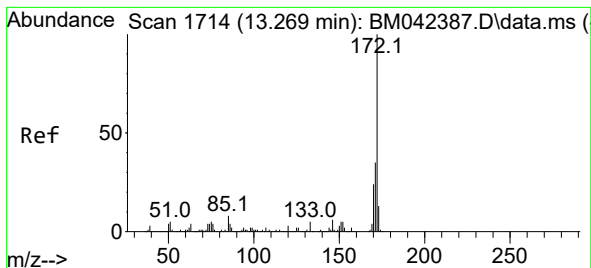
Tgt Ion:164 Resp: 308163
Ion Ratio Lower Upper
164 100
162 99.0 83.0 124.4
160 44.3 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 45.766 ng
RT: 16.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion:330 Resp: 133810
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 37.4 38.0 57.0#





#45

2-Fluorobiphenyl

Concen: 34.633 ng

RT: 13.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

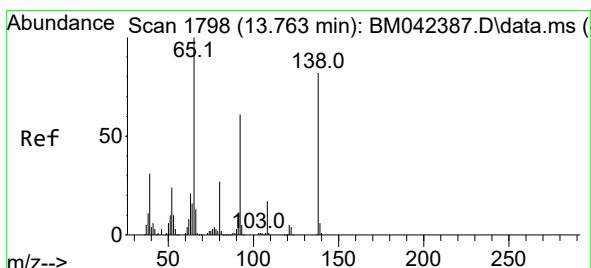
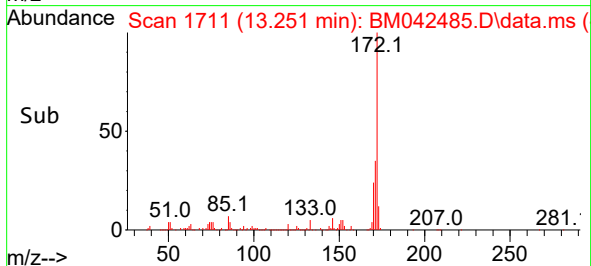
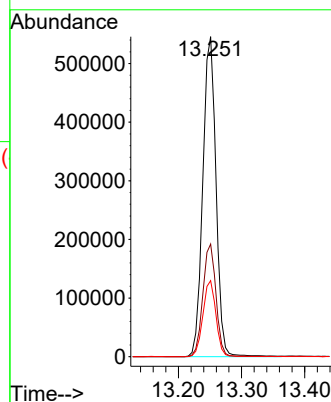
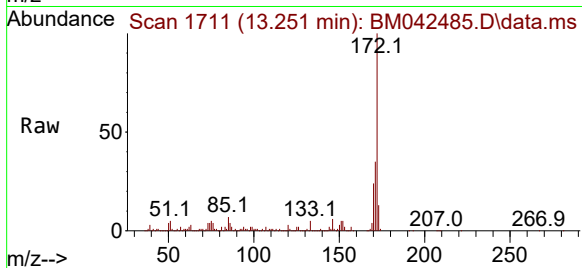
Tgt Ion:172 Resp: 792545

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.7 18.9 28.3



#48

2-Nitroaniline

Concen: 4.166 ng

RT: 13.792 min Scan# 1803

Delta R.T. 0.029 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

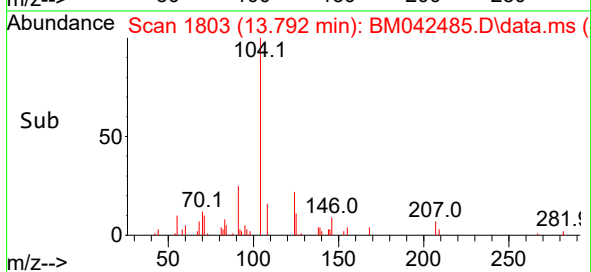
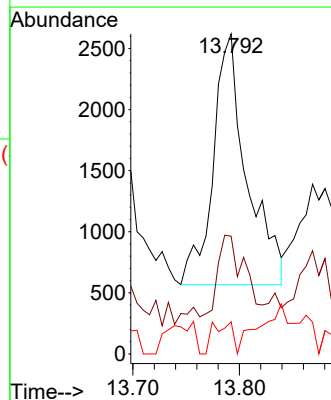
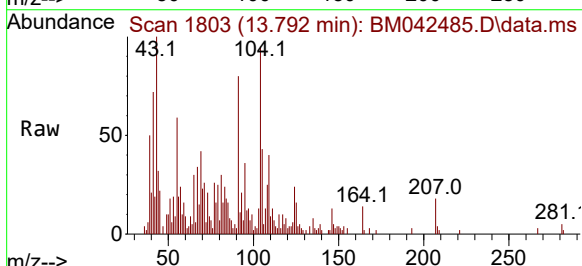
Tgt Ion: 65 Resp: 4511

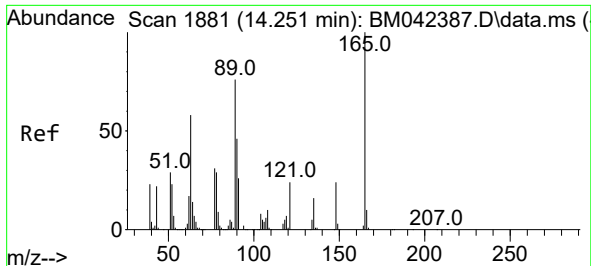
Ion Ratio Lower Upper

65 100

92 36.8 49.0 73.6#

138 10.0 65.5 98.3#

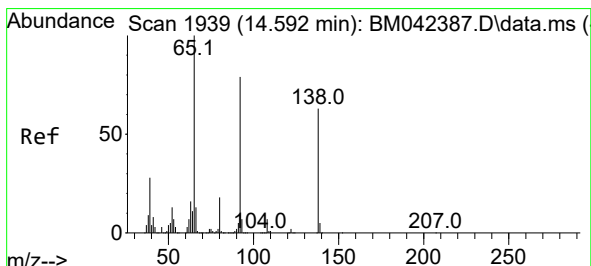
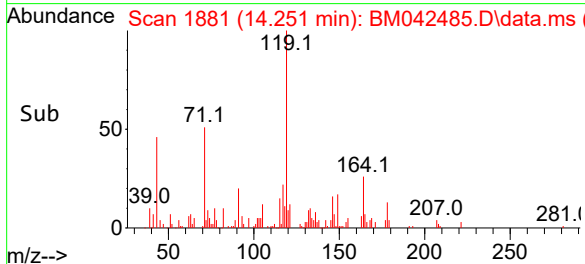
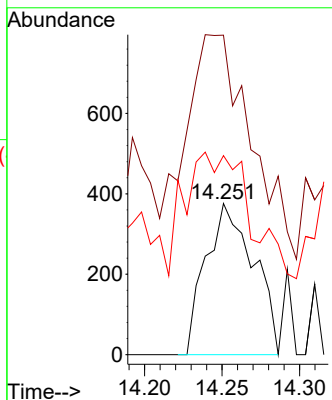
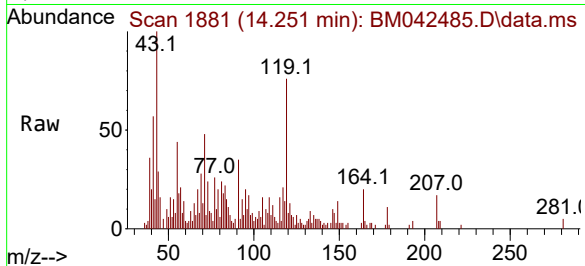




#51
2,6-Dinitrotoluene
Concen: 3.036 ng
RT: 14.251 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

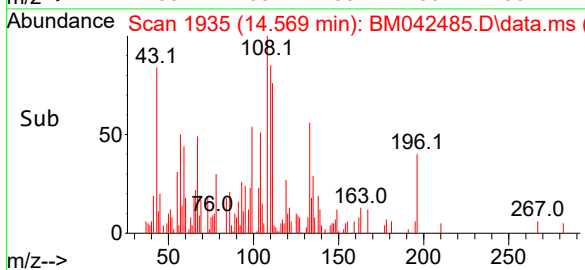
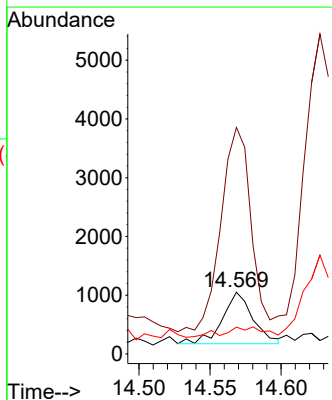
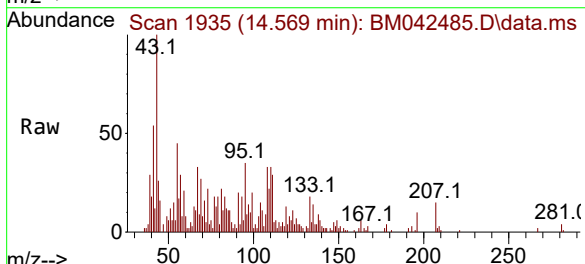
Instrument :
BNA_M
ClientSampleId :
LCOL-12

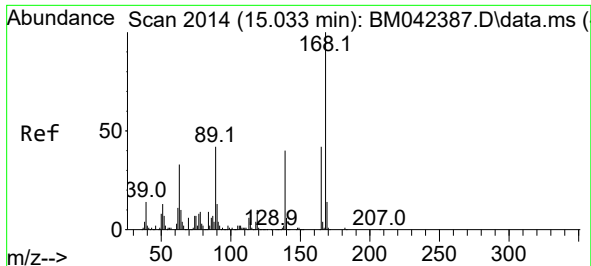
Tgt Ion:165 Resp: 807
Ion Ratio Lower Upper
165 100
63 211.4 65.3 97.9#
89 131.6 60.6 91.0#



#53
3-Nitroaniline
Concen: 3.466 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.024 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion:138 Resp: 1303
Ion Ratio Lower Upper
138 100
108 366.3 8.3 12.5#
92 43.4 100.6 151.0#





#57

2,4-Dinitrotoluene

Concen: 4.336 ng

RT: 14.992 min Scan# 20

Delta R.T. -0.035 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

Tgt Ion:165 Resp: 2036

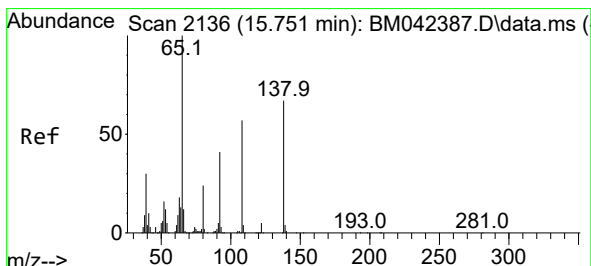
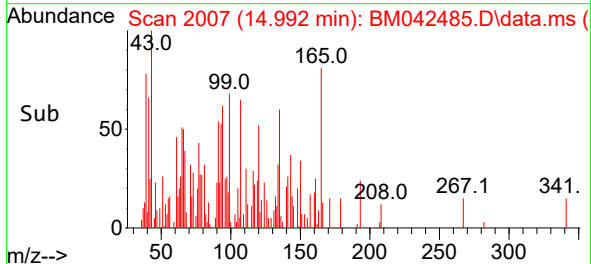
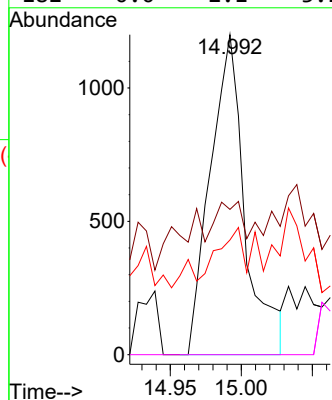
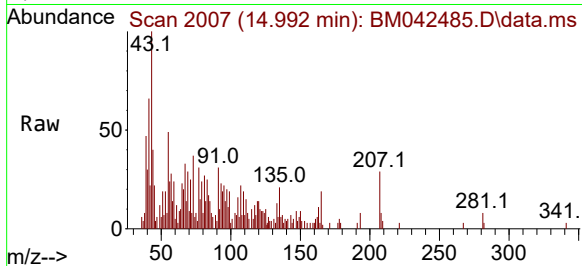
Ion Ratio Lower Upper

165 100

63 45.4 62.9 94.3#

89 35.8 80.2 120.2#

182 0.0 2.1 3.1#



#62

4-Nitroaniline

Concen: 3.845 ng

RT: 15.763 min Scan# 2138

Delta R.T. 0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

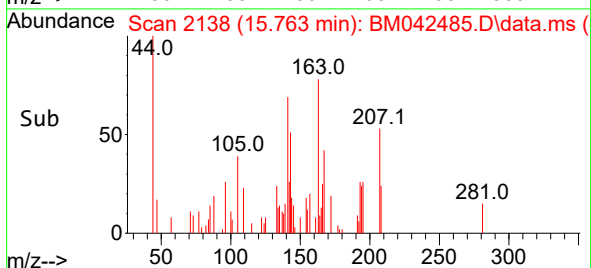
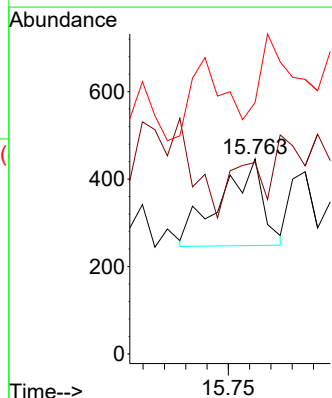
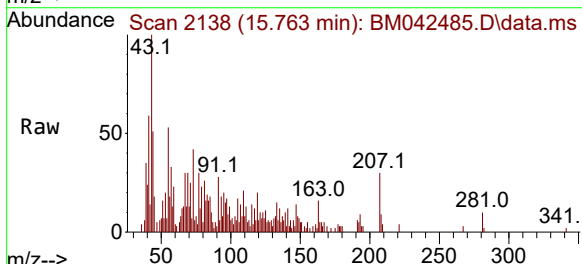
Tgt Ion:138 Resp: 276

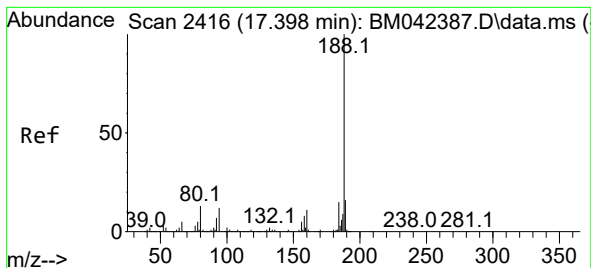
Ion Ratio Lower Upper

138 100

92 98.2 40.4 80.4#

108 128.9 65.3 105.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.380 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

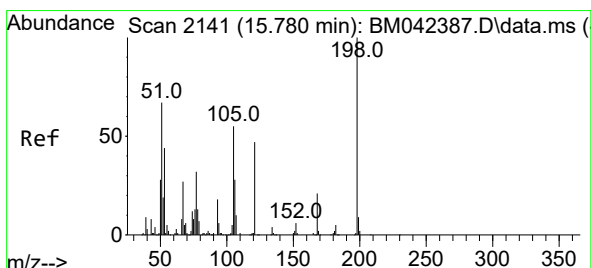
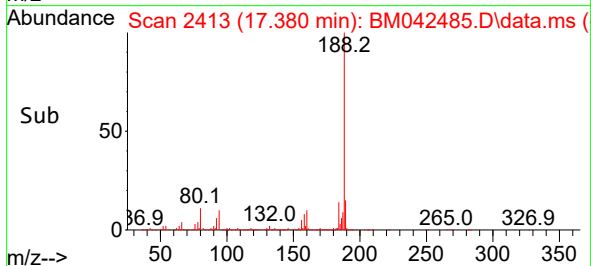
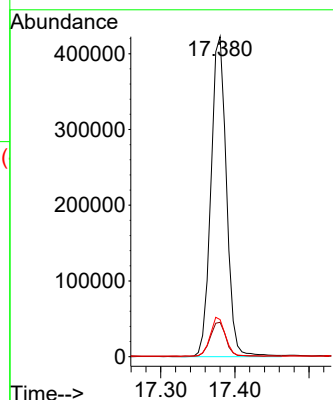
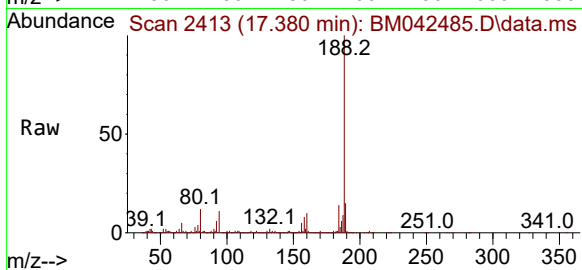
Tgt Ion:188 Resp: 614613

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.0

80 11.6 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.099 ng

RT: 15.533 min Scan# 2099

Delta R.T. -0.247 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

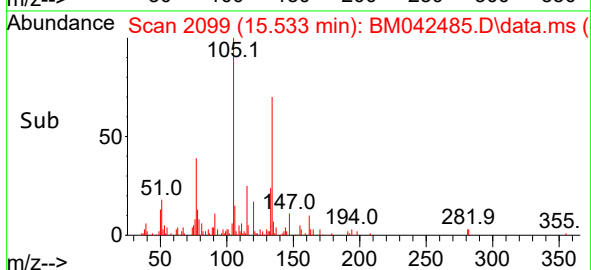
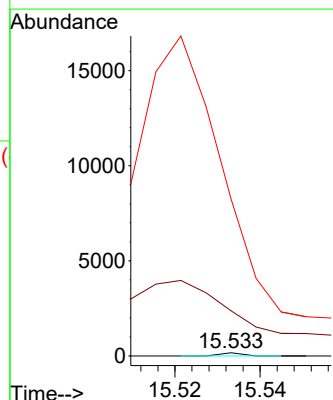
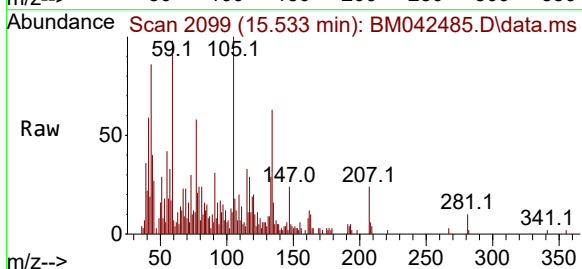
Tgt Ion:198 Resp: 61

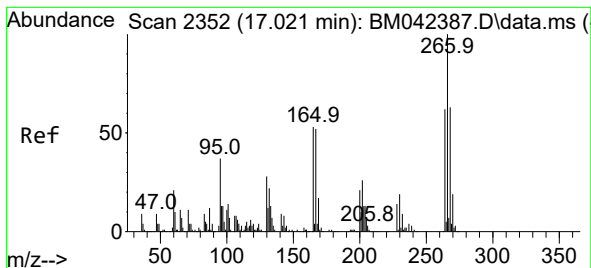
Ion Ratio Lower Upper

198 100

51 1379.7 54.1 94.1#

105 4793.0 35.9 75.9#





#70

Pentachlorophenol

Concen: 6.219 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

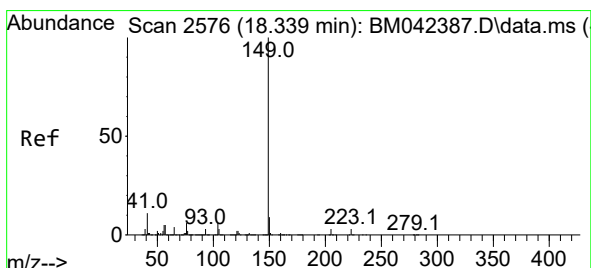
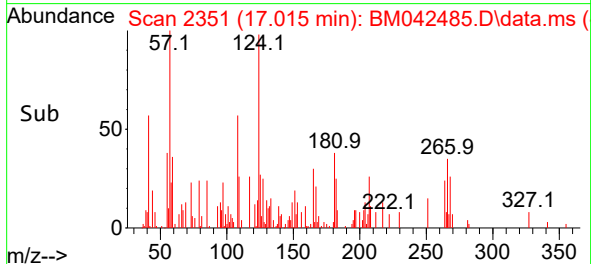
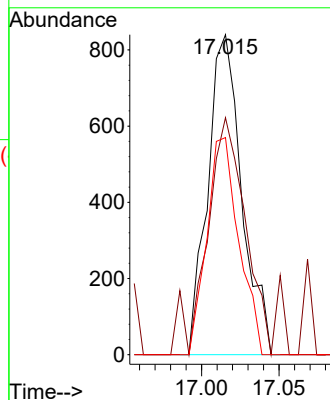
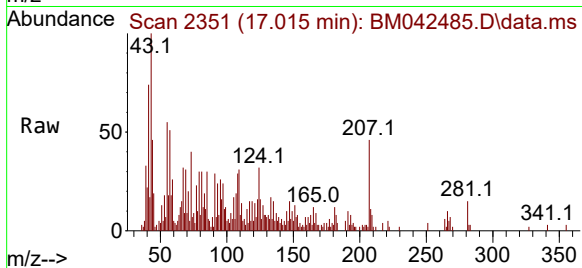
Tgt Ion:266 Resp: 1280

Ion Ratio Lower Upper

266 100

268 74.0 50.6 76.0

264 67.9 49.4 74.0



#74

Di-n-butylphthalate

Concen: 2.992 ng

RT: 18.104 min Scan# 2536

Delta R.T. -0.224 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

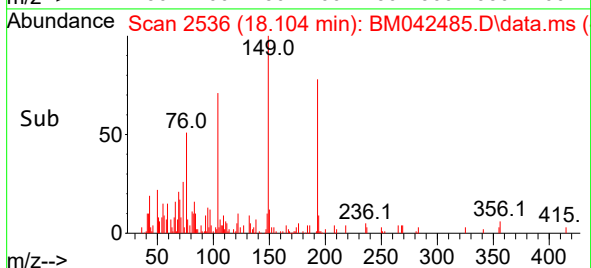
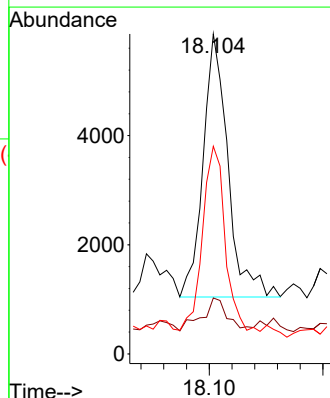
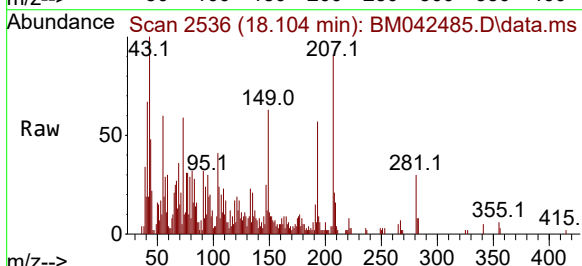
Tgt Ion:149 Resp: 7305

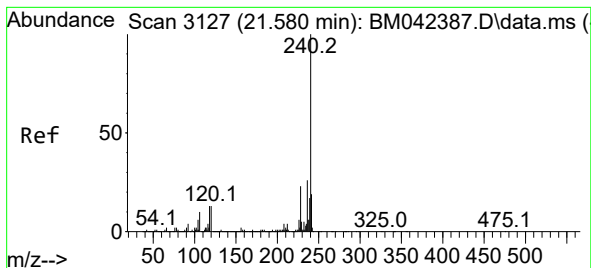
Ion Ratio Lower Upper

149 100

150 17.5 7.4 11.0#

104 64.9 4.6 7.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.556 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

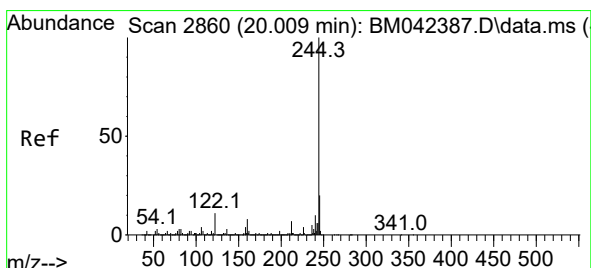
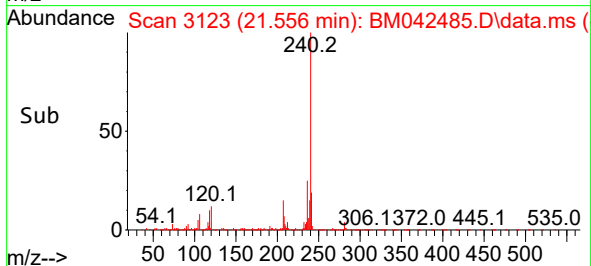
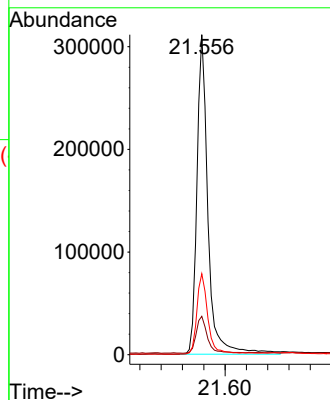
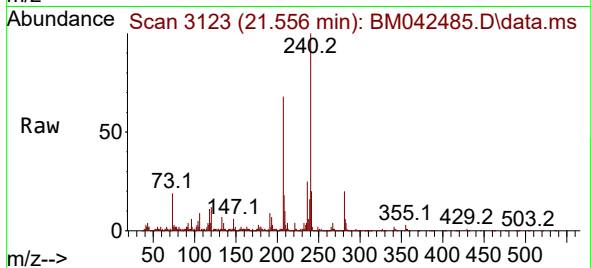
Tgt Ion:240 Resp: 448672

Ion Ratio Lower Upper

240 100

120 12.0 10.7 16.1

236 25.3 20.7 31.1



#79

Terphenyl-d14

Concen: 34.911 ng

RT: 19.986 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

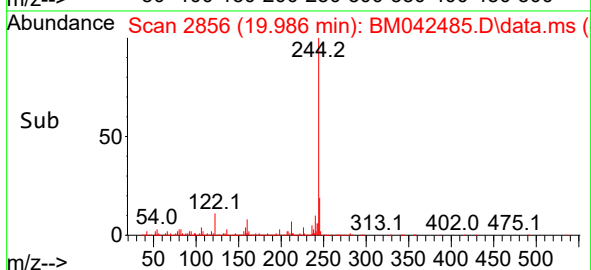
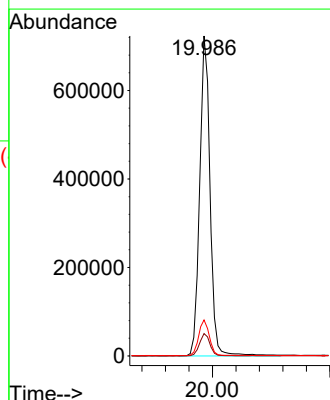
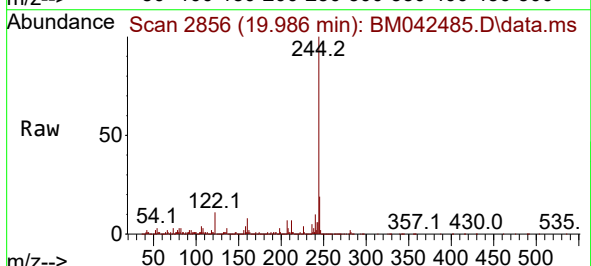
Tgt Ion:244 Resp: 883213

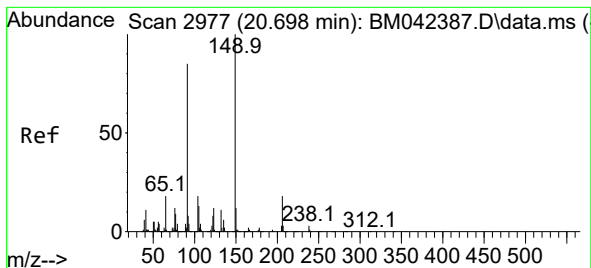
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.3 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.312 ng

RT: 20.645 min Scan# 2977

Delta R.T. -0.041 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

Instrument :

BNA_M

ClientSampleId :

LCOL-12

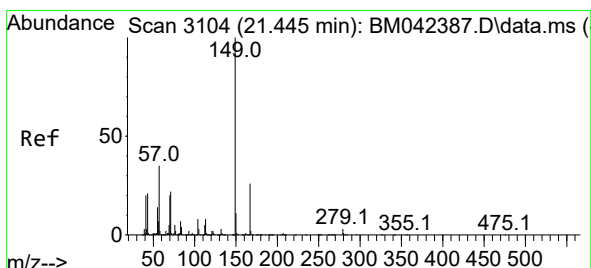
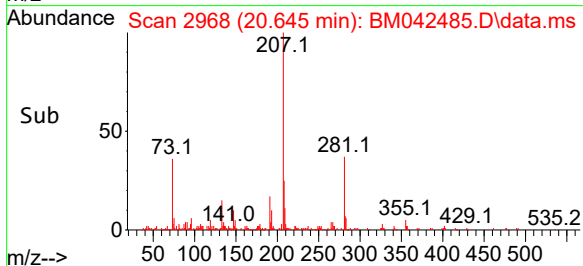
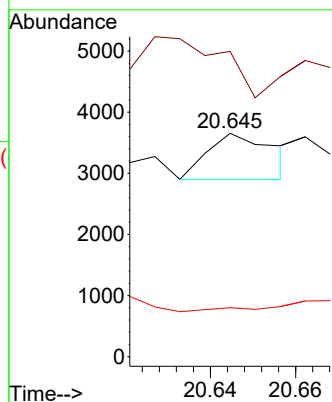
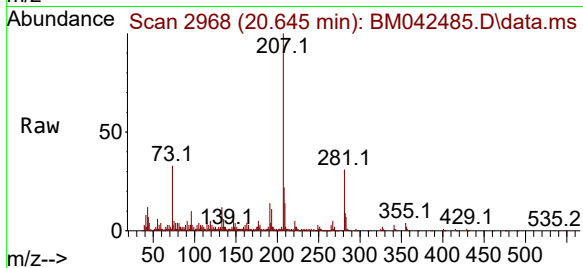
Tgt Ion:149 Resp: 811

Ion Ratio Lower Upper

149 100

91 136.6 68.3 102.5#

206 21.9 14.6 22.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.545 ng

RT: 21.421 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BM042485.D

Acq: 27 Oct 2023 22:50

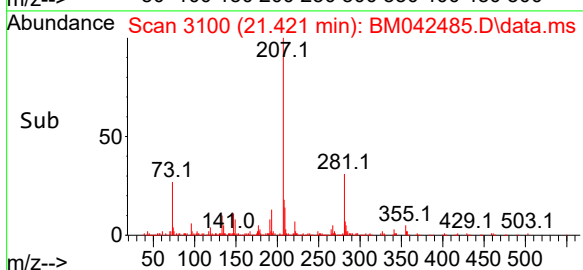
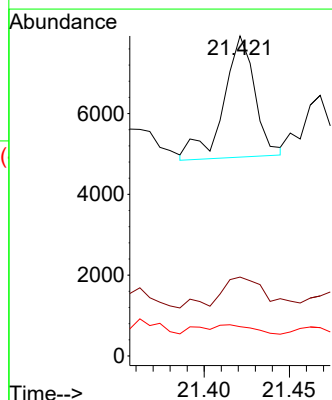
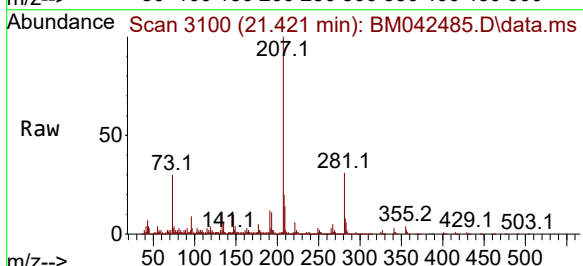
Tgt Ion:149 Resp: 3836

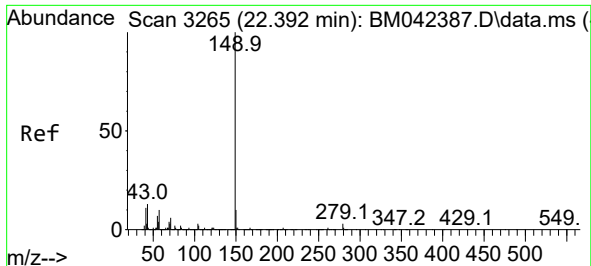
Ion Ratio Lower Upper

149 100

167 24.6 20.9 31.3

279 9.2 2.7 4.1#

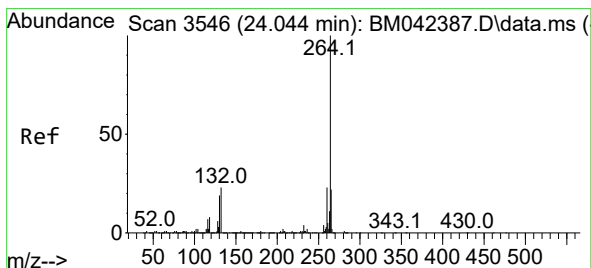
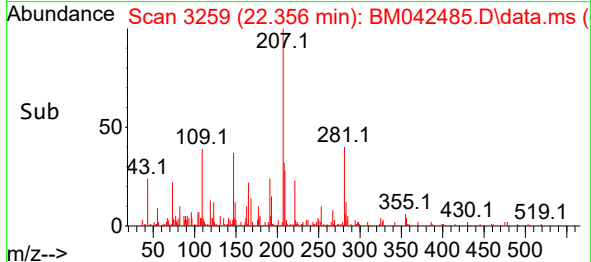
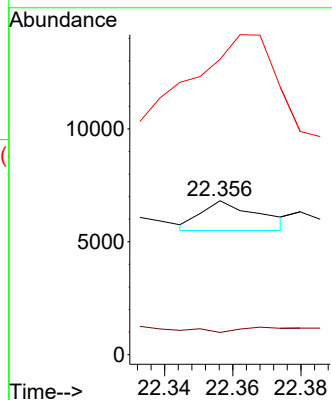
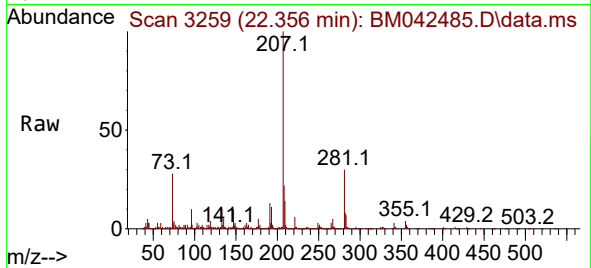




#85
Di-n-octyl phthalate
Concen: 4.258 ng
RT: 22.356 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Instrument :
BNA_M
ClientSampleId :
LCOL-12

Tgt Ion:149 Resp: 1516
Ion Ratio Lower Upper
149 100
167 13.1 1.2 1.8#
43 645.3 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.015 min Scan# 3541
Delta R.T. -0.006 min
Lab File: BM042485.D
Acq: 27 Oct 2023 22:50

Tgt Ion:264 Resp: 443602
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 24.8 17.8 26.8

