

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071422\
 Data File : BM035814.D
 Acq On : 14 Jul 2022 16:15
 Operator : CG/JU
 Sample : N3707-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 N48967

Quant Time: Jul 15 01:10:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

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

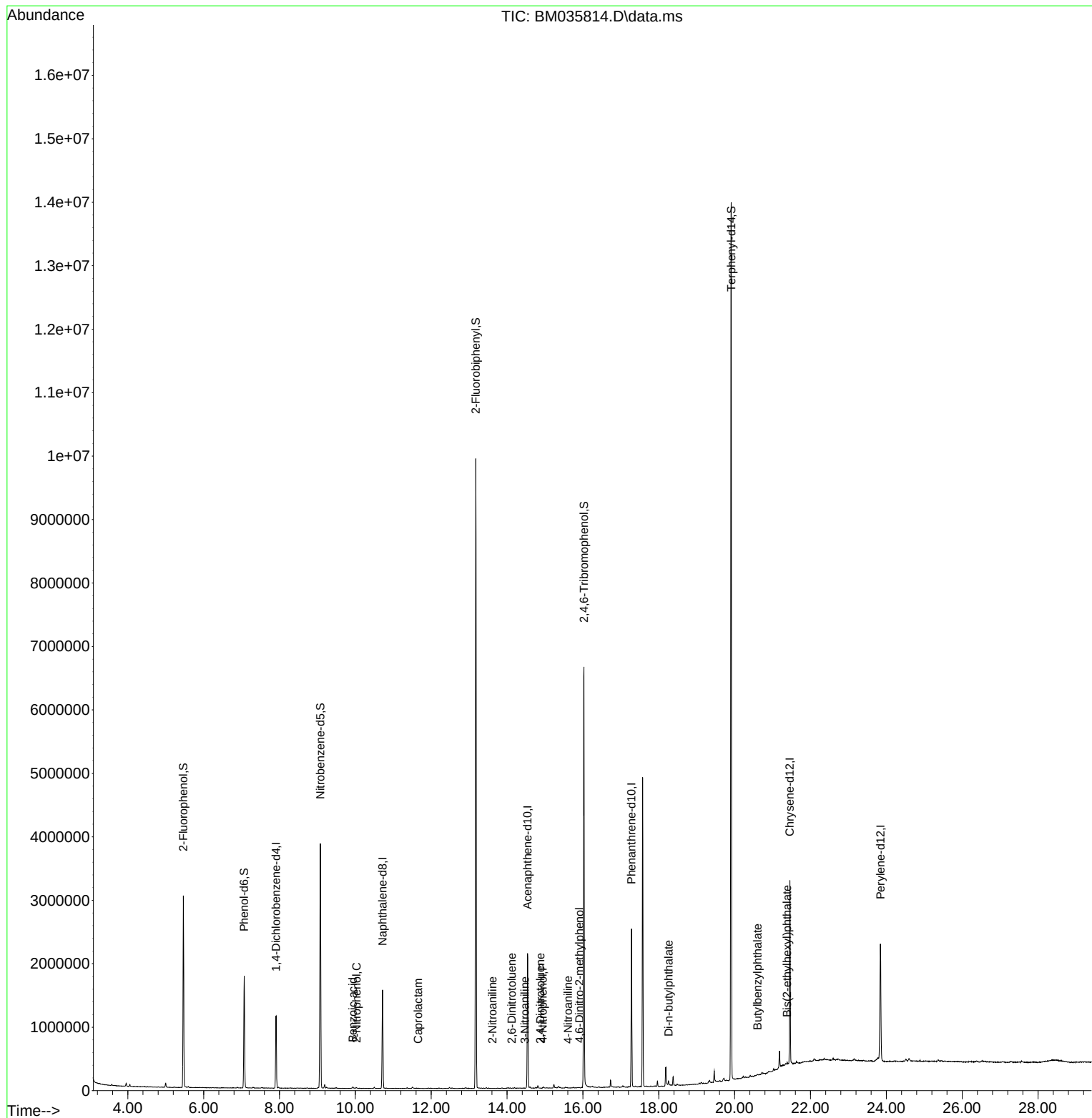
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	308872	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1271917	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	729797	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1428275	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1296803	20.000	ng	0.00
86) Perylene-d12	23.844	264	1339420	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1287531	67.708	ng	0.00
7) Phenol-d6	7.069	99	957898	40.272	ng	0.00
23) Nitrobenzene-d5	9.075	82	2177050	97.850	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	1248652	168.483	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	4811244	91.941	ng	0.00
79) Terphenyl-d14	19.909	244	6680969	100.008	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.034	139	62	4.580	ng	# 1
32) Benzoic acid	9.934	122	9926	8.846	ng	96
35) Caprolactam	11.657	113	665	5.215	ng	# 2
48) 2-Nitroaniline	13.616	65	202	3.613	ng	# 26
51) 2,6-Dinitrotoluene	14.122	165	117	2.306	ng	# 32
53) 3-Nitroaniline	14.469	138	59	2.674	ng	# 79
56) 4-Nitrophenol	14.939	139	1088	4.158	ng	87
57) 2,4-Dinitrotoluene	14.880	165	940	3.401	ng	# 78
62) 4-Nitroaniline	15.610	138	68	2.805	ng	# 52
65) 4,6-Dinitro-2-methylph...	15.910	198	165	6.611	ng	# 1
74) Di-n-butylphthalate	18.257	149	41607	2.774	ng	98
80) Butylbenzylphthalate	20.603	149	2617	4.243	ng	# 72
84) Bis(2-ethylhexyl)phtha...	21.386	149	14716	3.550	ng	# 94

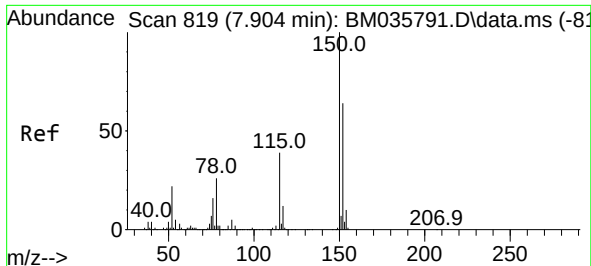
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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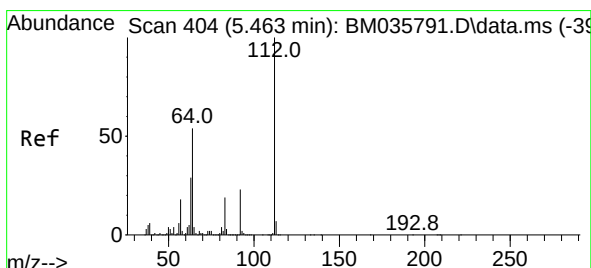
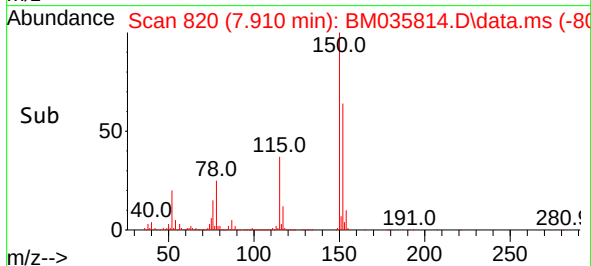
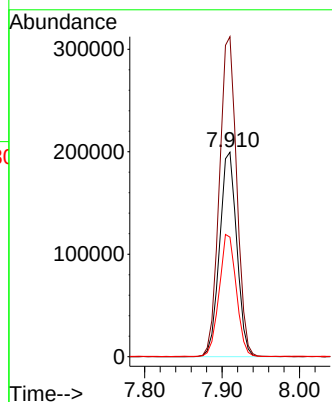
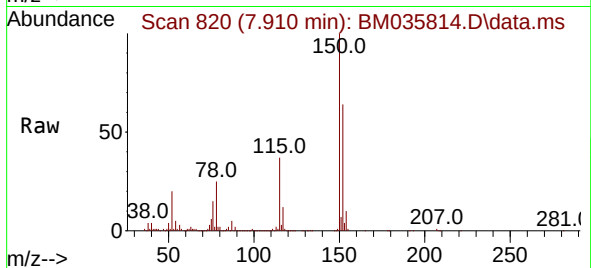




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 819
 Delta R.T. 0.006 min
 Lab File: BM035814.D
 Acq: 14 Jul 2022 16:15

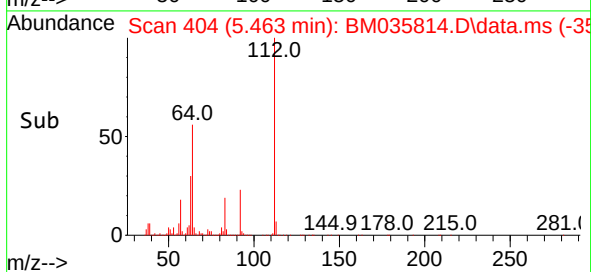
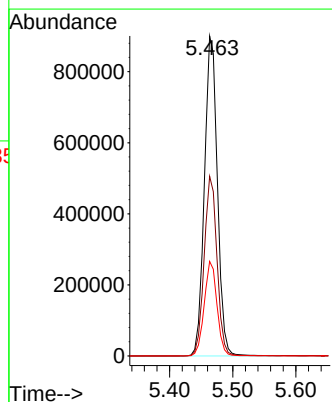
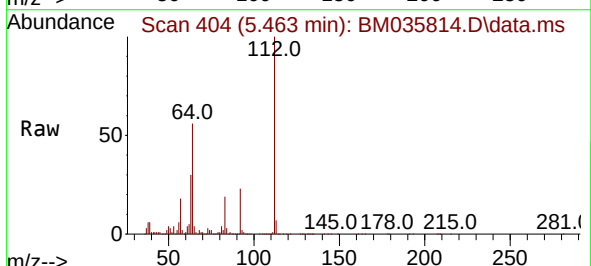
Instrument :
 BNA_M
 ClientSampleId :
 N48967

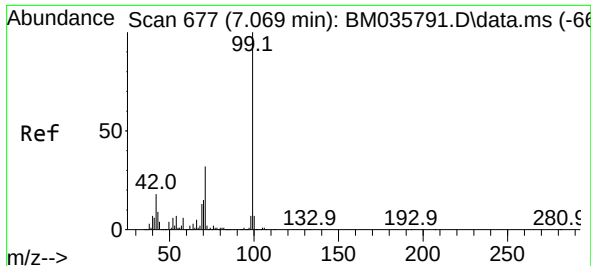
Tgt Ion:152 Resp: 308872
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.9 187.3
 115 58.4 47.9 71.9



#5
 2-Fluorophenol
 Concen: 67.708 ng
 RT: 5.463 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: BM035814.D
 Acq: 14 Jul 2022 16:15

Tgt Ion:112 Resp: 1287531
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.8 71.6
 63 29.6 26.6 40.0

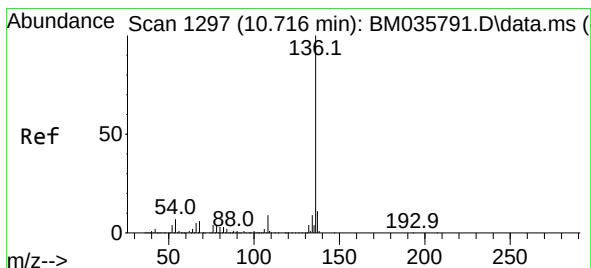
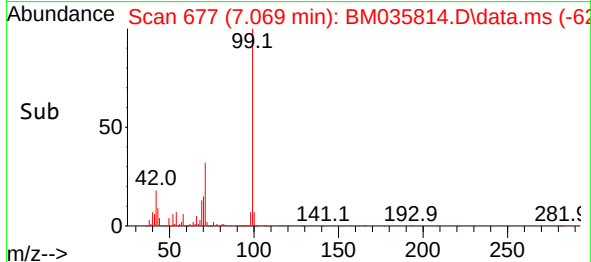
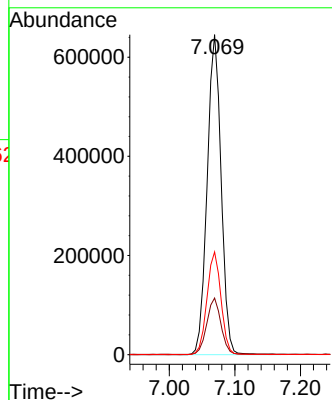
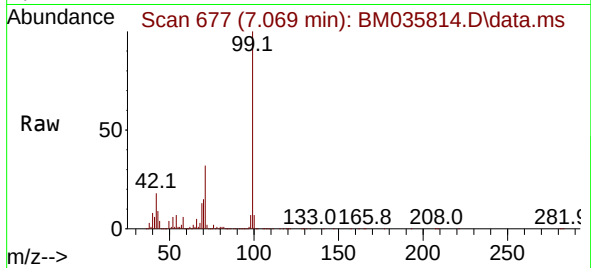




#7
Phenol-d6
Concen: 40.272 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

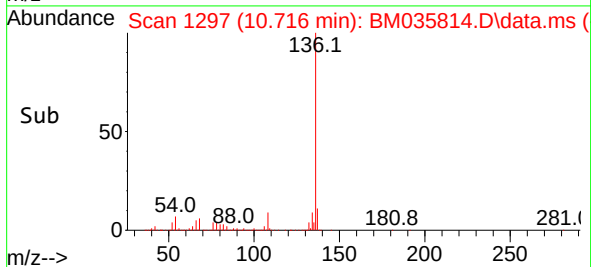
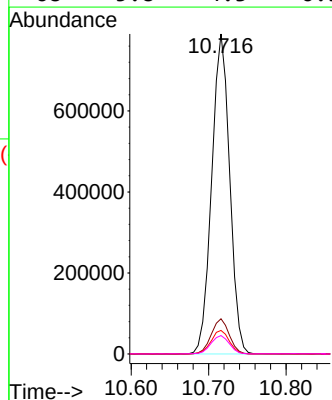
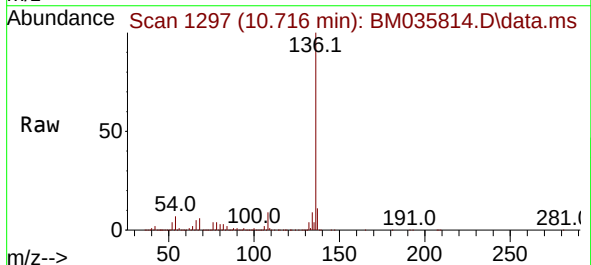
Instrument :
BNA_M
ClientSampleId :
N48967

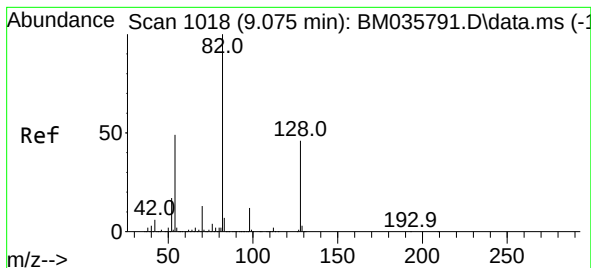
Tgt Ion: 99 Resp: 957898
Ion Ratio Lower Upper
99 100
42 17.7 18.8 28.2#
71 32.1 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

Tgt Ion: 136 Resp: 1271917
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.3 7.0 10.4
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 97.850 ng

RT: 9.075 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

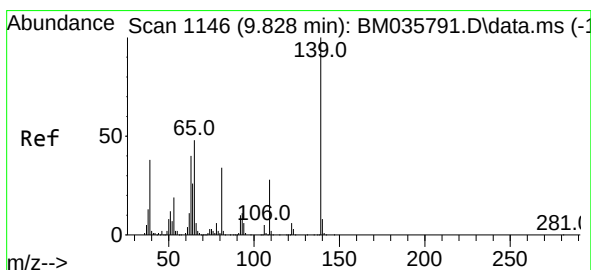
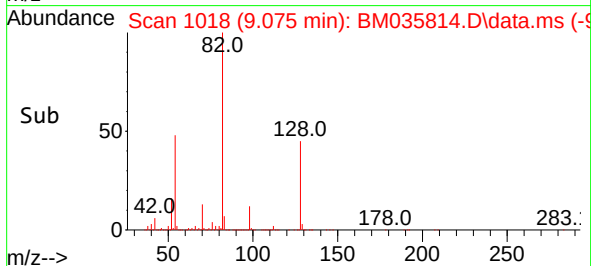
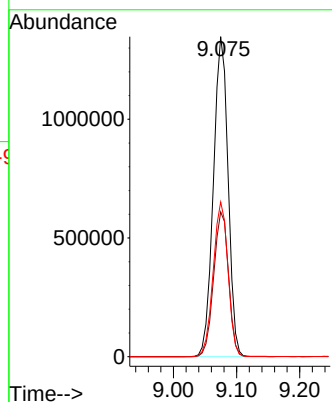
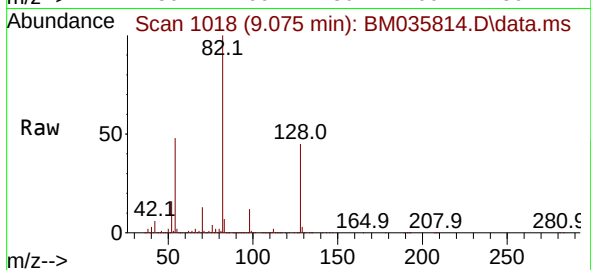
Tgt Ion: 82 Resp: 2177050

Ion Ratio Lower Upper

82 100

128 45.3 33.7 50.5

54 48.3 43.2 64.8



#26

2-Nitrophenol

Concen: 4.580 ng

RT: 10.034 min Scan# 1181

Delta R.T. 0.206 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

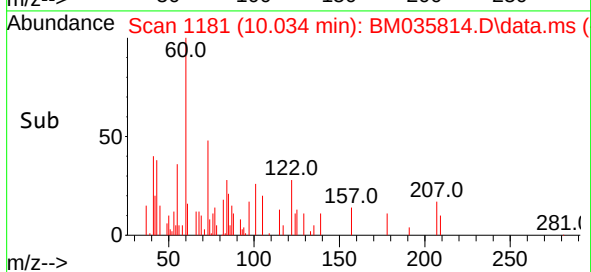
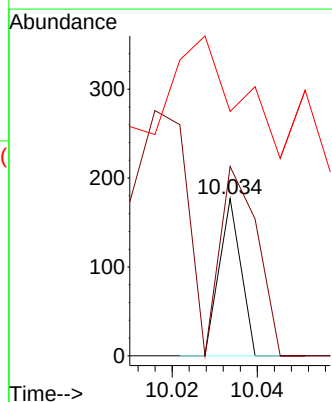
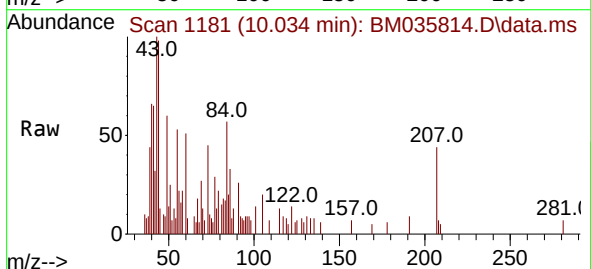
Tgt Ion:139 Resp: 62

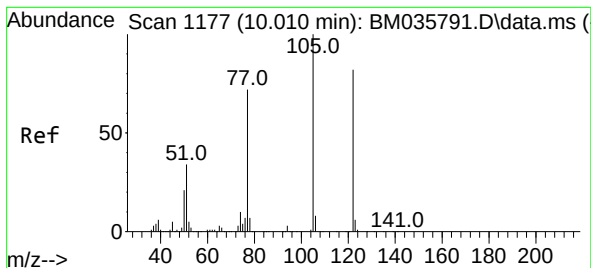
Ion Ratio Lower Upper

139 100

109 120.3 25.6 38.4#

65 155.4 43.2 64.8#





#32

Benzoic acid

Concen: 8.846 ng

RT: 9.934 min Scan# 1177

Delta R.T. -0.076 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

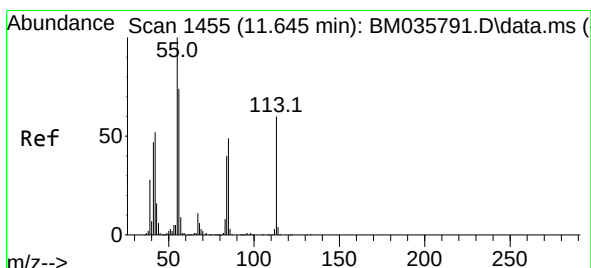
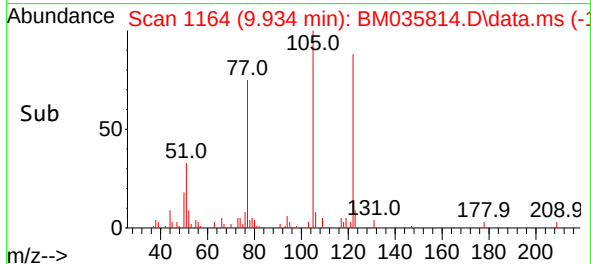
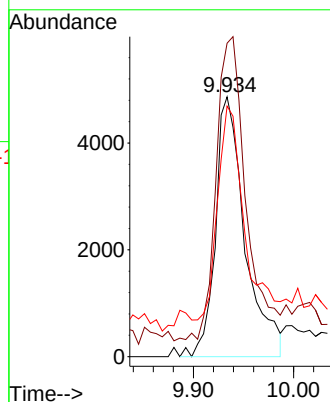
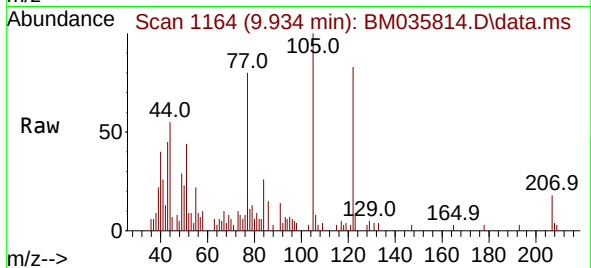
Tgt Ion:122 Resp: 9926

Ion Ratio Lower Upper

122 100

105 120.6 105.7 145.7

77 96.4 80.0 120.0



#35

Caprolactam

Concen: 5.215 ng

RT: 11.657 min Scan# 1457

Delta R.T. 0.012 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

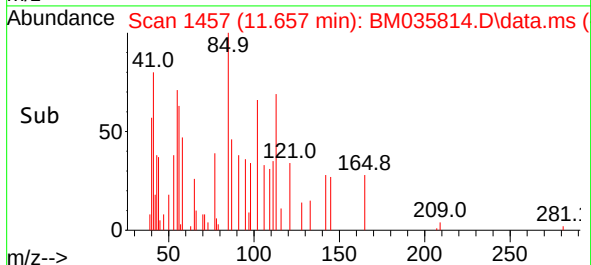
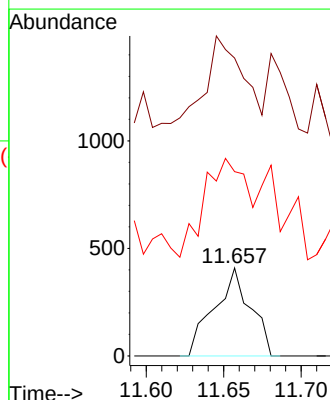
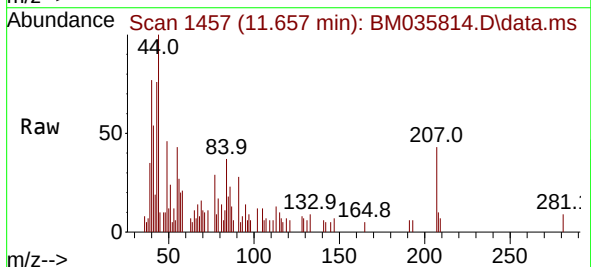
Tgt Ion:113 Resp: 665

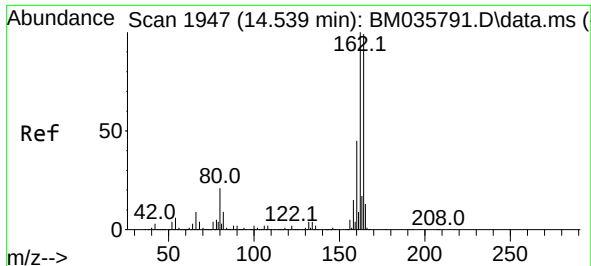
Ion Ratio Lower Upper

113 100

55 338.6 150.1 190.1#

56 209.5 111.7 151.7#

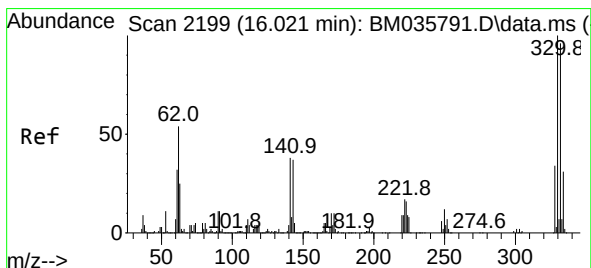
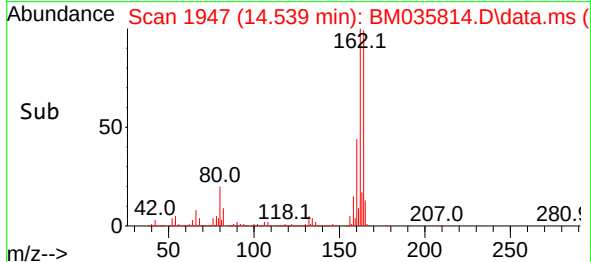
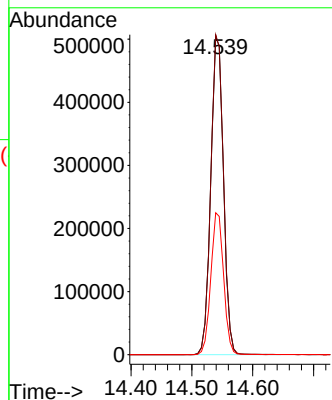
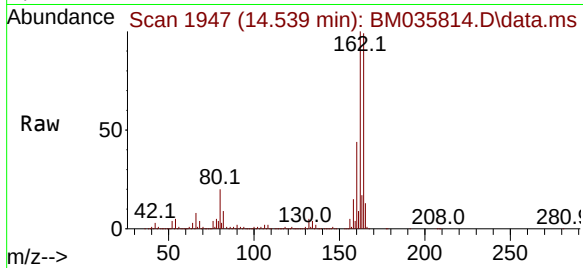




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

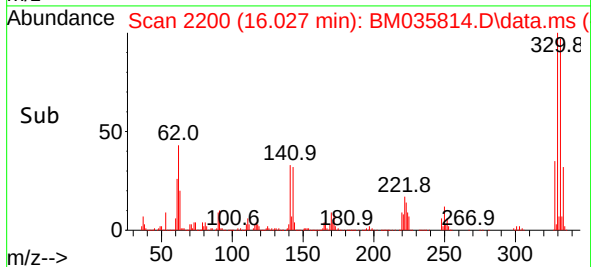
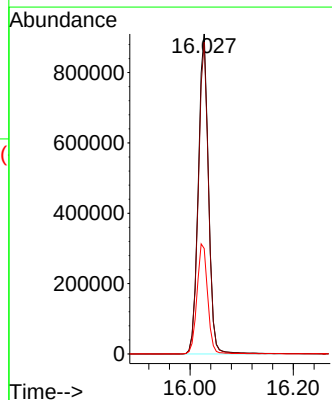
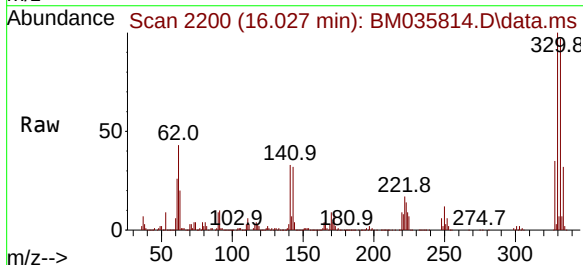
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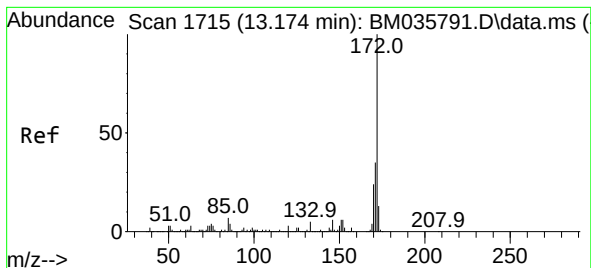
Tgt Ion:164 Resp: 729797
Ion Ratio Lower Upper
164 100
162 100.6 83.0 124.6
160 44.6 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 168.483 ng
RT: 16.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

Tgt Ion:330 Resp: 1248652
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 35.9 35.3 52.9





#45

2-Fluorobiphenyl

Concen: 91.941 ng

RT: 13.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

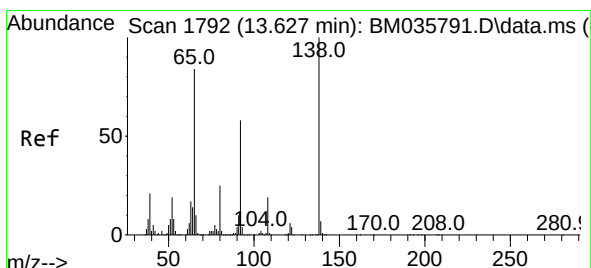
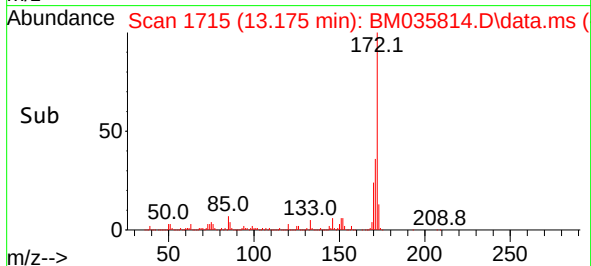
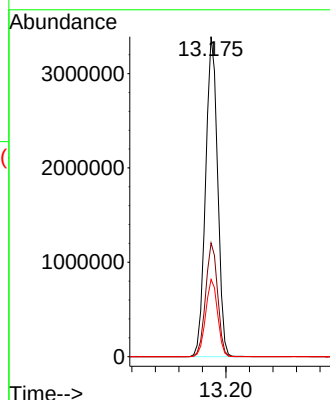
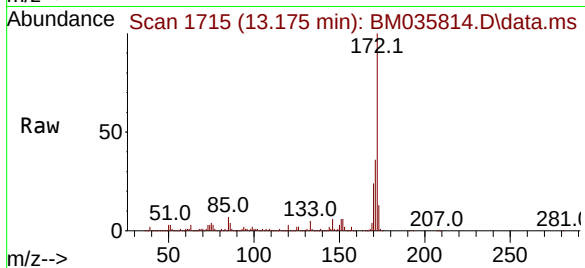
Tgt Ion:172 Resp: 4811244

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 24.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.613 ng

RT: 13.616 min Scan# 1790

Delta R.T. -0.011 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

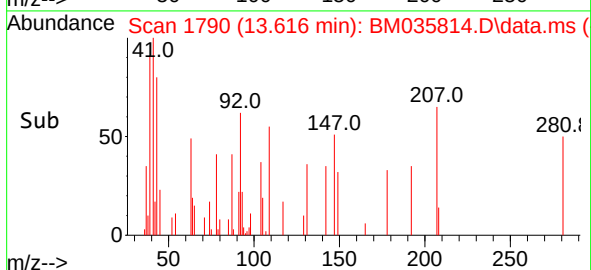
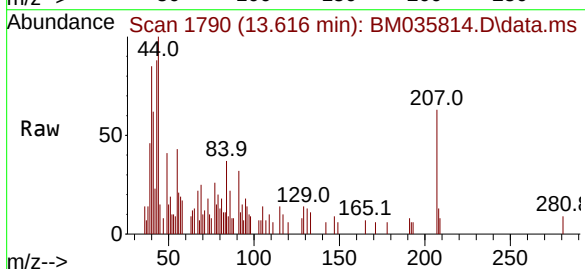
Tgt Ion: 65 Resp: 202

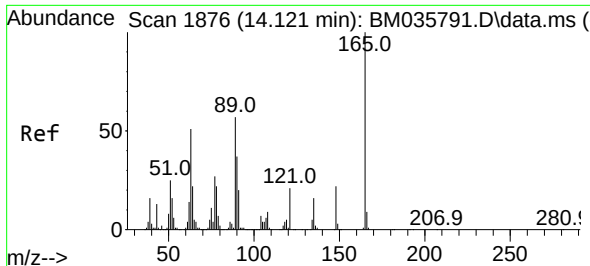
Ion Ratio Lower Upper

65 100

92 91.1 53.7 80.5#

138 0.0 83.9 125.9#





#51

2,6-Dinitrotoluene

Concen: 2.306 ng

RT: 14.122 min Scan# 1

Delta R.T. 0.001 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

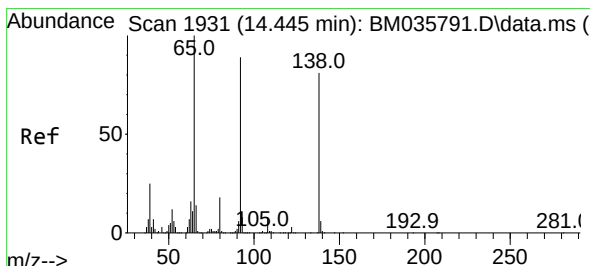
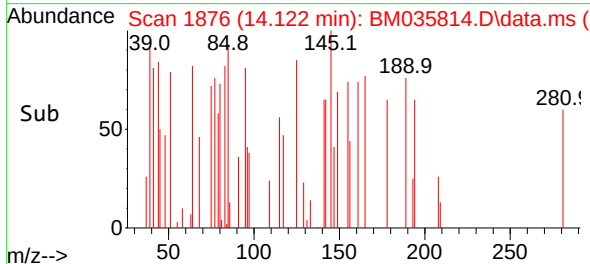
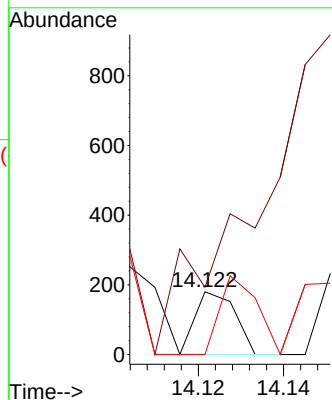
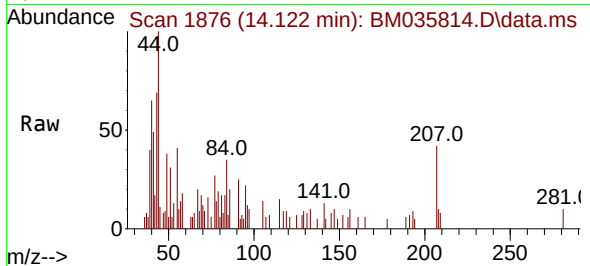
Tgt Ion:165 Resp: 117

Ion Ratio Lower Upper

165 100

63 107.2 50.2 75.2#

89 0.0 48.4 72.6#



#53

3-Nitroaniline

Concen: 2.674 ng

RT: 14.469 min Scan# 1935

Delta R.T. 0.024 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

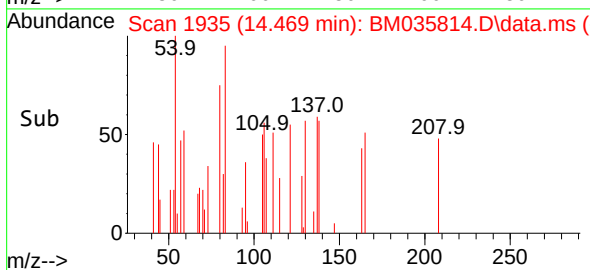
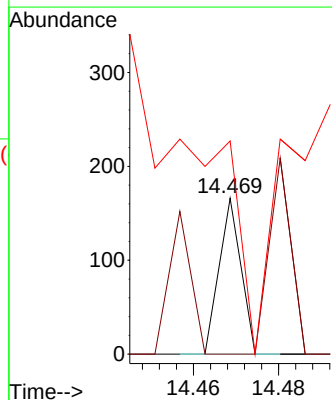
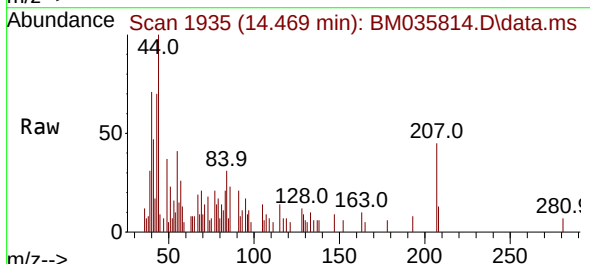
Tgt Ion:138 Resp: 59

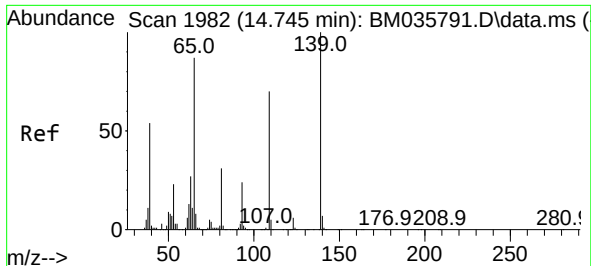
Ion Ratio Lower Upper

138 100

108 0.0 8.7 13.1#

92 136.7 91.5 137.3

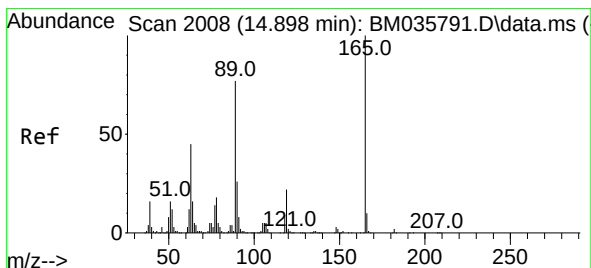
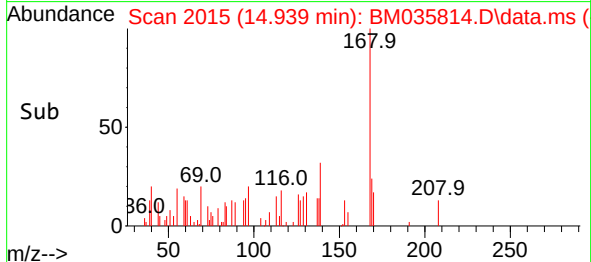
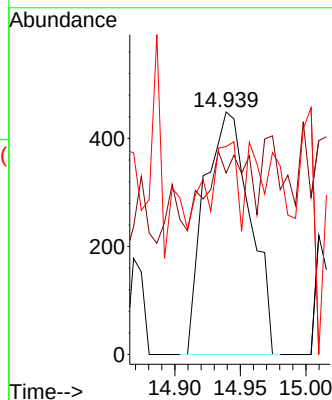
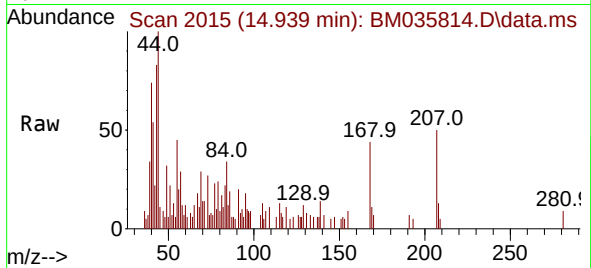




#56
4-Nitrophenol
Concen: 4.158 ng
RT: 14.939 min Scan# 2005
Delta R.T. 0.194 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

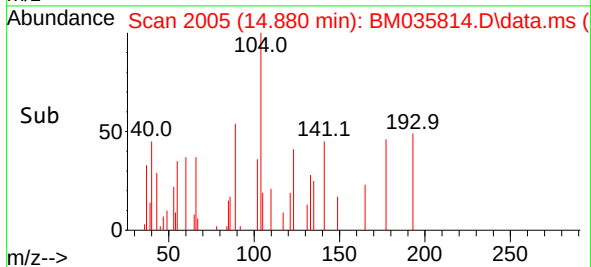
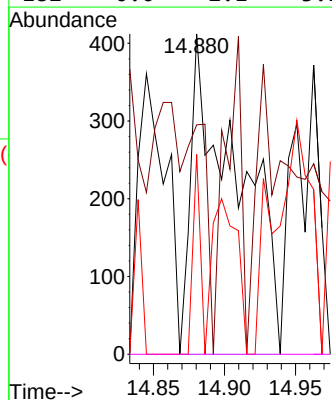
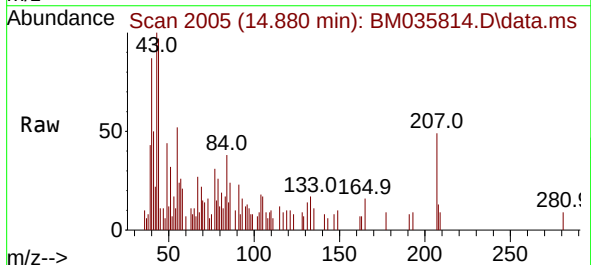
Instrument :
BNA_M
ClientSampleId :
N48967

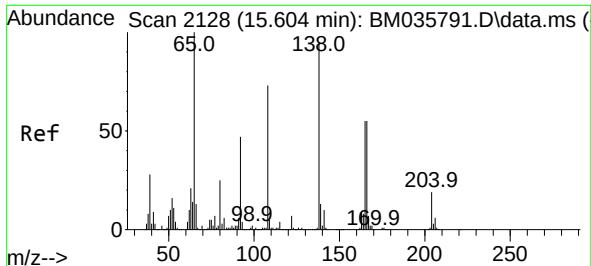
Tgt Ion:139 Resp: 1088
Ion Ratio Lower Upper
139 100
109 74.8 62.5 102.5
65 85.7 83.5 123.5



#57
2,4-Dinitrotoluene
Concen: 3.401 ng
RT: 14.880 min Scan# 2005
Delta R.T. -0.018 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

Tgt Ion:165 Resp: 940
Ion Ratio Lower Upper
165 100
63 71.6 35.6 53.4#
89 62.4 57.3 85.9
182 0.0 2.1 3.1#

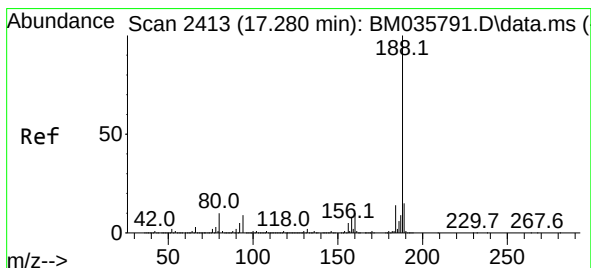
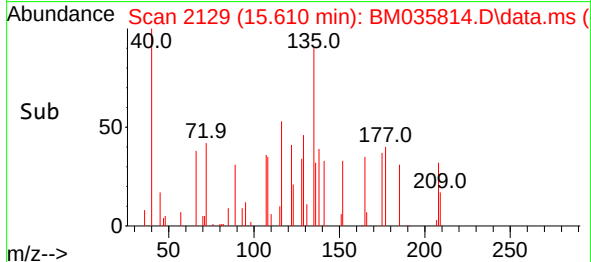
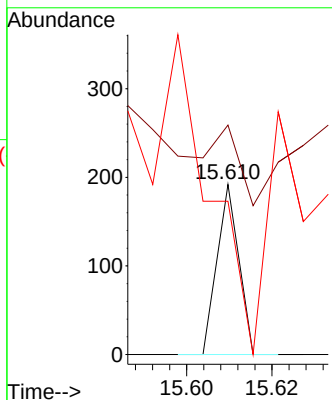
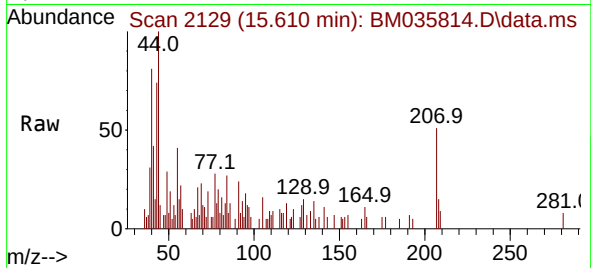




#62
4-Nitroaniline
Concen: 2.805 ng
RT: 15.610 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

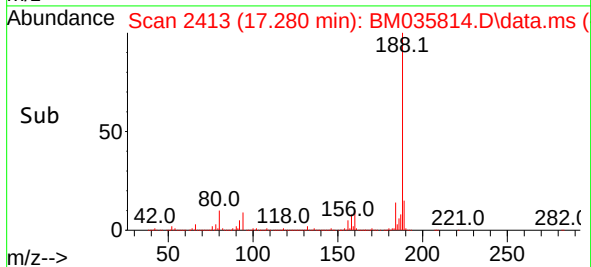
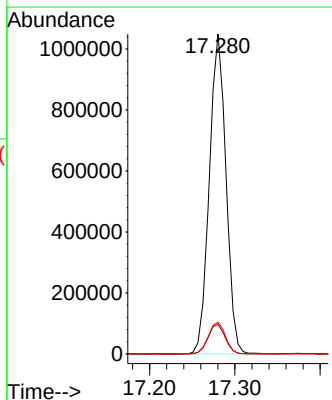
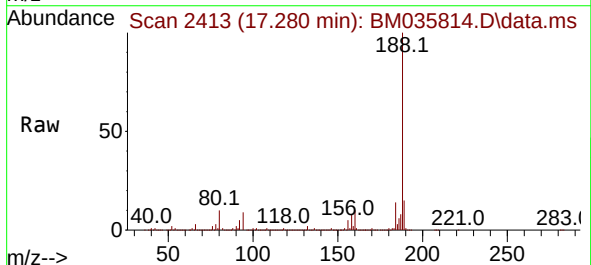
Instrument :
BNA_M
ClientSampleId :
N48967

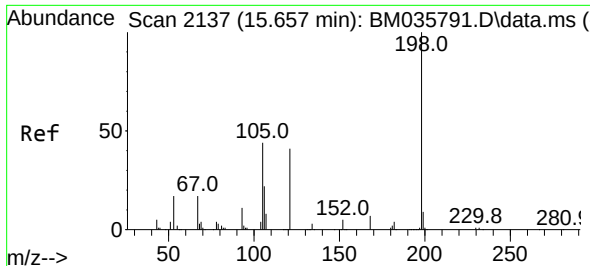
Tgt Ion:138 Resp: 68
Ion Ratio Lower Upper
138 100
92 134.9 30.8 70.8#
108 90.1 65.7 105.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

Tgt Ion:188 Resp: 1428275
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 9.9 7.6 11.4

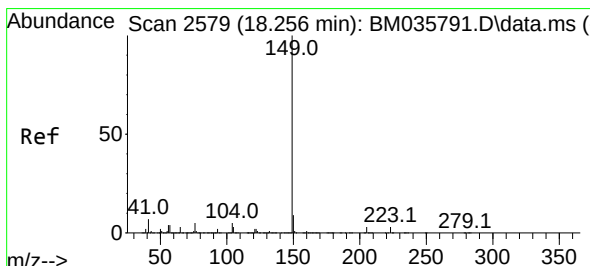
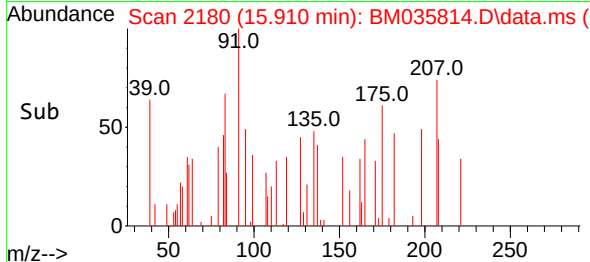
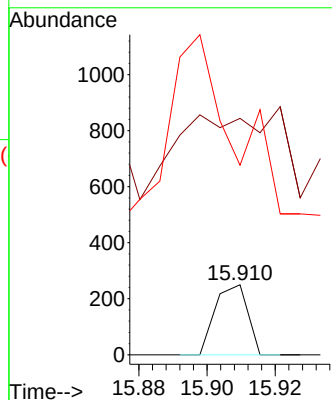
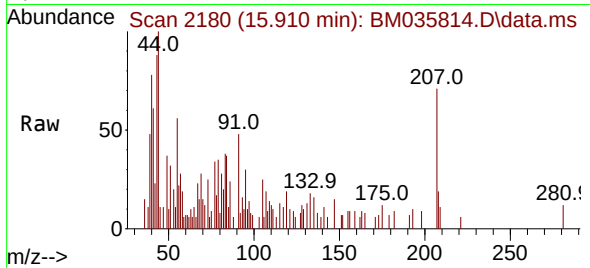




#65
4,6-Dinitro-2-methylphenol
Concen: 6.611 ng
RT: 15.910 min Scan# 2137
Delta R.T. 0.253 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

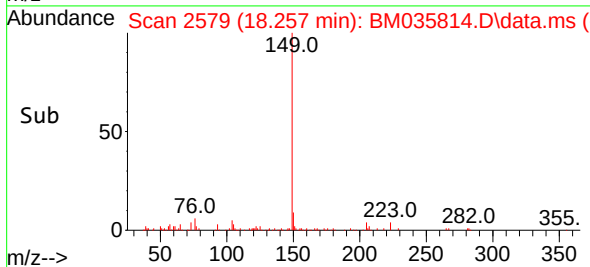
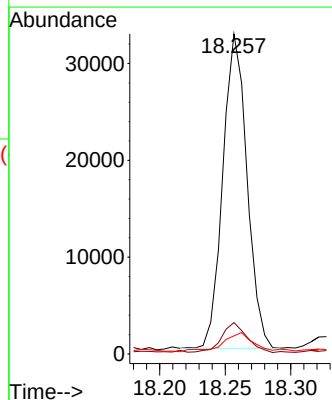
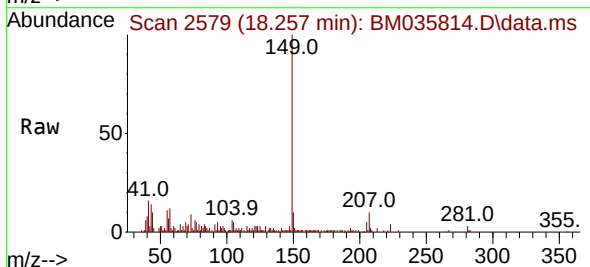
Instrument :
BNA_M
ClientSampleId :
N48967

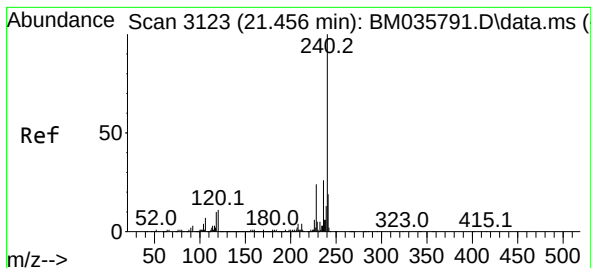
Tgt Ion:198 Resp: 165
Ion Ratio Lower Upper
198 100
51 337.6 29.0 69.0#
105 270.8 22.1 62.1#



#74
Di-n-butylphthalate
Concen: 2.774 ng
RT: 18.257 min Scan# 2579
Delta R.T. 0.001 min
Lab File: BM035814.D
Acq: 14 Jul 2022 16:15

Tgt Ion:149 Resp: 41607
Ion Ratio Lower Upper
149 100
150 9.8 7.3 10.9
104 5.7 4.3 6.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.456 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

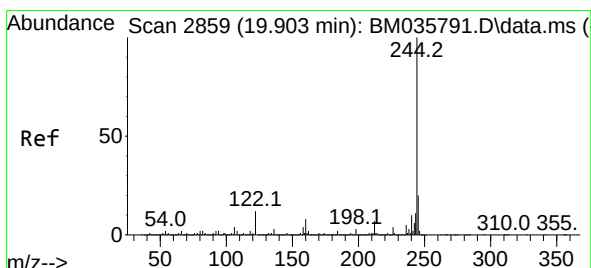
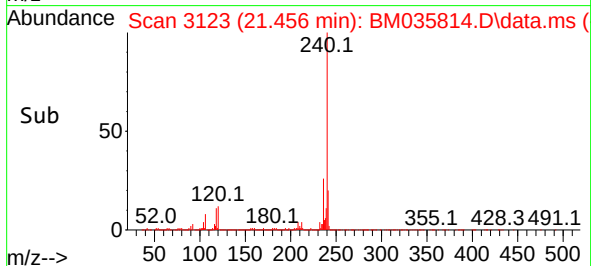
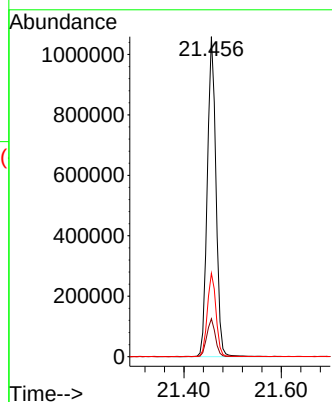
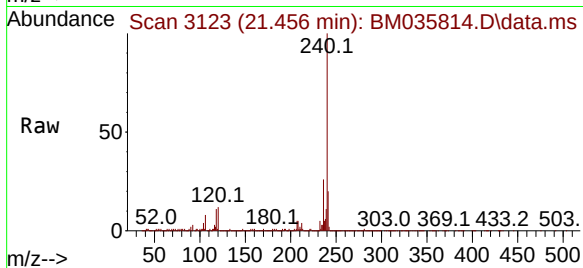
Tgt Ion:240 Resp: 1296803

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.0

236 26.1 20.6 30.8



#79

Terphenyl-d14

Concen: 100.008 ng

RT: 19.909 min Scan# 2860

Delta R.T. 0.006 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

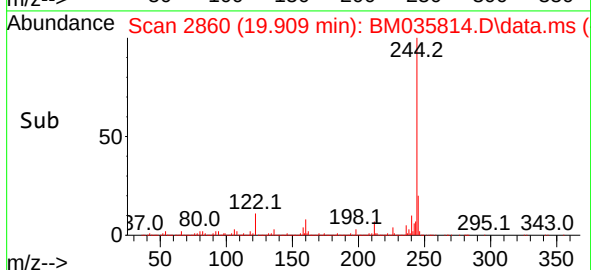
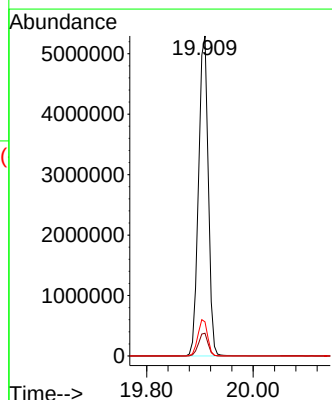
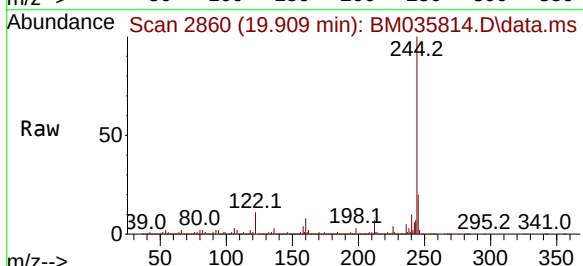
Tgt Ion:244 Resp: 6680969

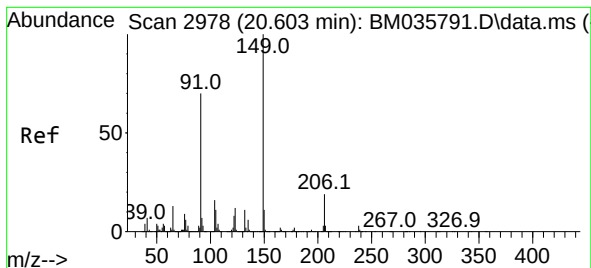
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

122 10.6 8.3 12.5





#80

Butylbenzylphthalate

Concen: 4.243 ng

RT: 20.603 min Scan# 2978

Delta R.T. 0.000 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

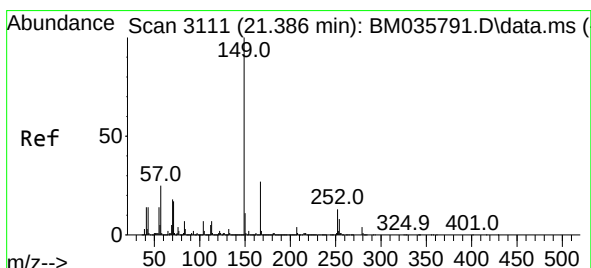
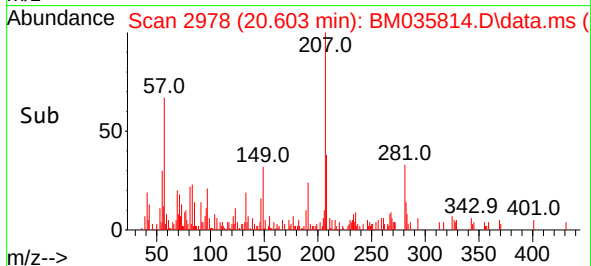
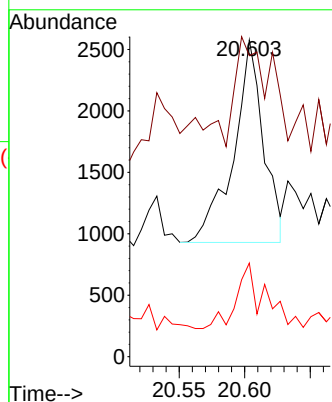
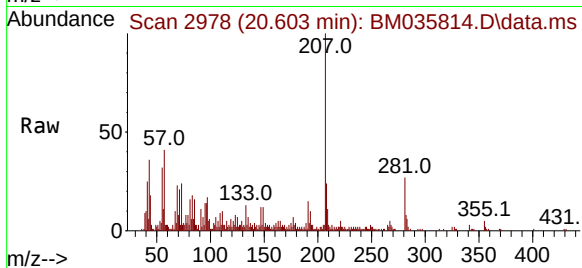
Tgt Ion:149 Resp: 2617

Ion Ratio Lower Upper

149 100

91 95.0 56.6 85.0#

206 29.6 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.550 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

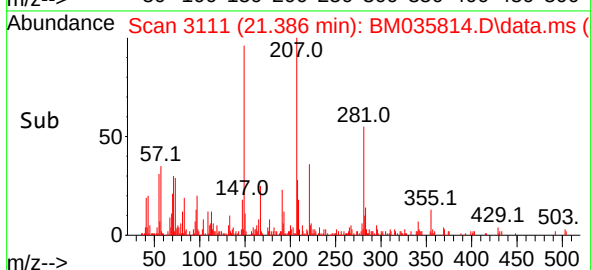
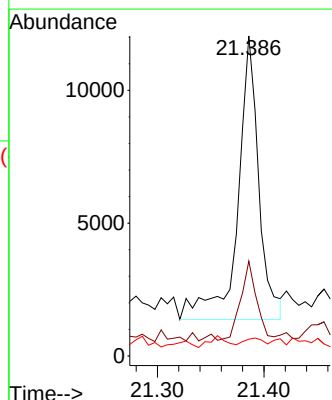
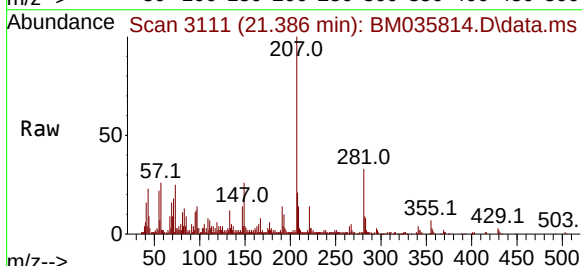
Tgt Ion:149 Resp: 14716

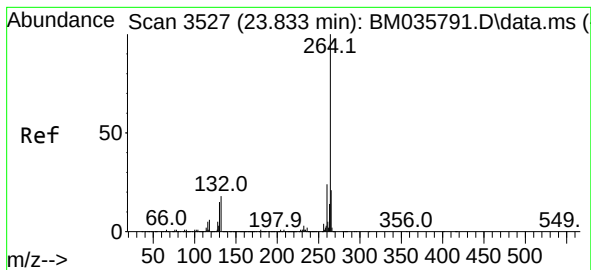
Ion Ratio Lower Upper

149 100

167 29.7 21.1 31.7

279 5.3 2.8 4.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3

Delta R.T. 0.011 min

Lab File: BM035814.D

Acq: 14 Jul 2022 16:15

Instrument :

BNA_M

ClientSampleId :

N48967

Tgt Ion:264 Resp: 1339420

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 21.4 17.5 26.3

