

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053122\
 Data File : BM035327.D
 Acq On : 31 May 2022 16:00
 Operator : CG/JU
 Sample : N3056-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-02

Quant Time: Jun 01 03:48:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 31 15:35:47 2022
 Response via : Initial Calibration

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

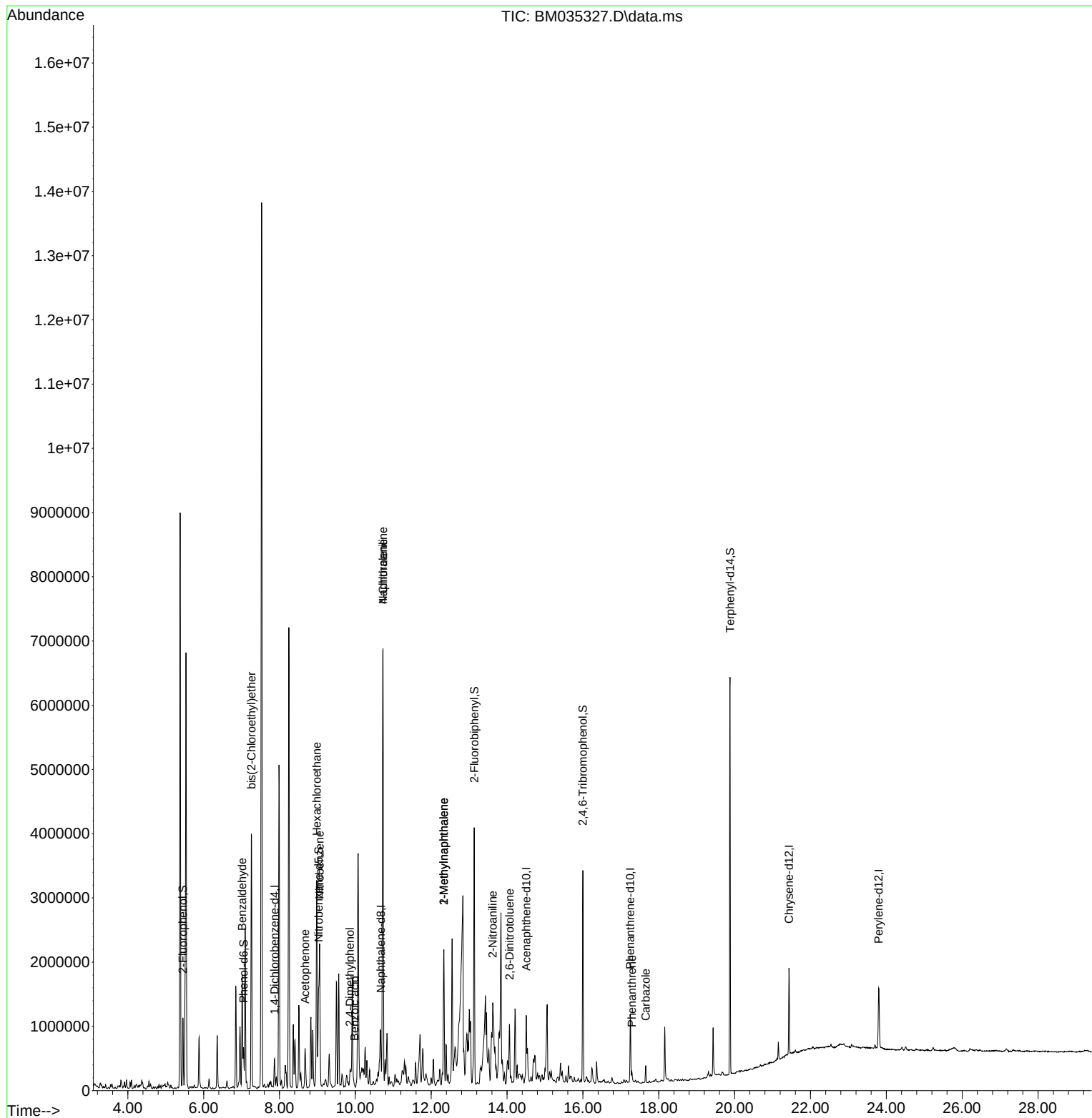
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	119806	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	452499	20.000	ng	# 0.00
39) Acenaphthene-d10	14.504	164	374605	20.000	ng	-0.01
64) Phenanthrene-d10	17.251	188	631208	20.000	ng	0.00
76) Chrysene-d12	21.433	240	655973	20.000	ng	# 0.00
86) Perylene-d12	23.798	264	712652	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	467057	71.980	ng	0.00
7) Phenol-d6	7.052	99	362836	43.184	ng	0.00
23) Nitrobenzene-d5	9.034	82	763462	92.878	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	649553	133.661	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	2058834	76.216	ng	0.00
79) Terphenyl-d14	19.880	244	3162154	85.420	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.016	77	123077	28.253	ng	# 1
11) bis(2-Chloroethyl)ether	7.257	93	13824	2.160	ng	# 1
18) Hexachloroethane	8.981	117	388122	131.453	ng	# 1
22) Acetophenone	8.675	105	456320	42.376	ng	# 56
24) Nitrobenzene	9.057	77	66088	8.717	ng	# 2
27) 2,4-Dimethylphenol	9.857	122	47379	8.647	ng	95
31) Naphthalene	10.728	128	5565865	252.432	ng	99
32) Benzoic acid	9.981	122	3773	3.622	ng	# 15
33) 4-Chloroaniline	10.728	127	749683	85.842	ng	# 33
37) 2-Methylnaphthalene	12.334	142	818771	52.664	ng	98
38) 1-Methylnaphthalene	12.334	142	818771	53.873	ng	97
48) 2-Nitroaniline	13.622	65	75000	14.045	ng	# 35
51) 2,6-Dinitrotoluene	14.063	165	18532	3.398	ng	# 69
71) Phenanthrene	17.292	178	79912	2.464	ng	98
73) Carbazole	17.657	167	175893	5.842	ng	98

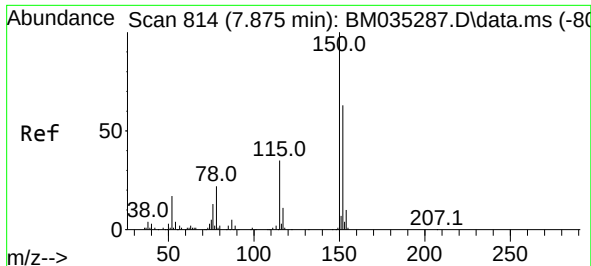
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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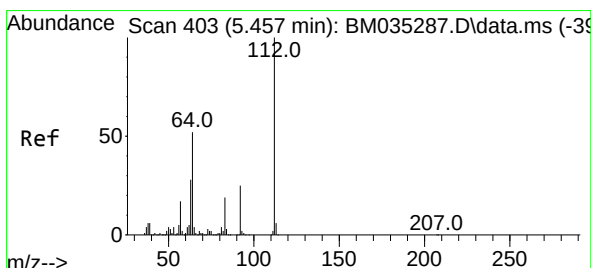
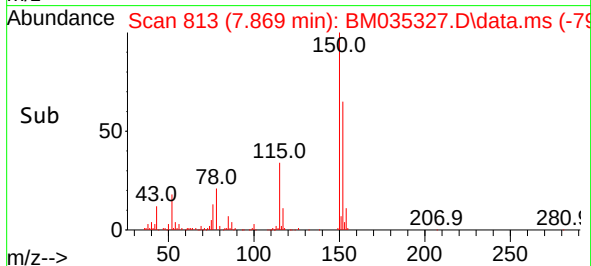
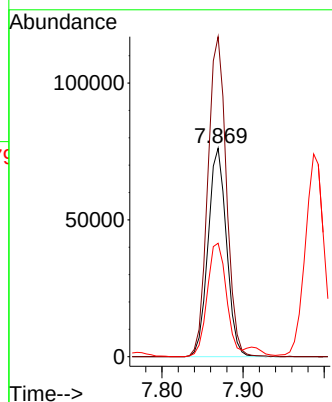
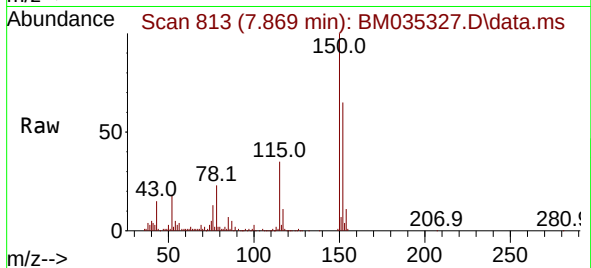




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.869 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BM035327.D
 Acq: 31 May 2022 16:00

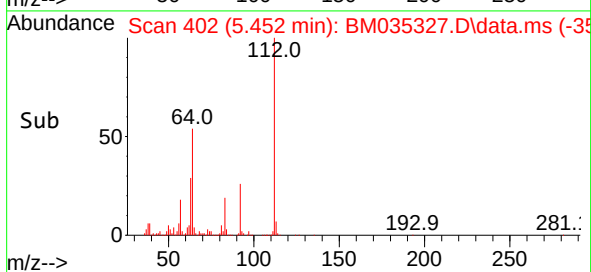
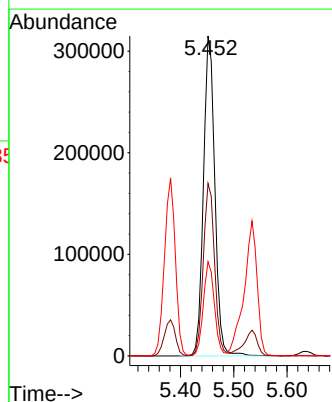
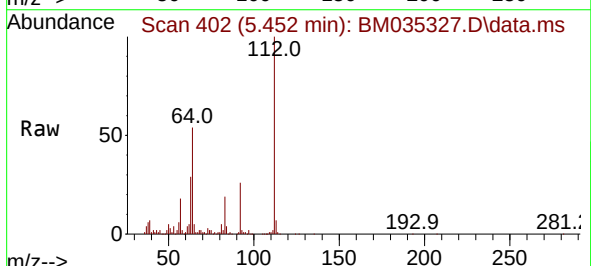
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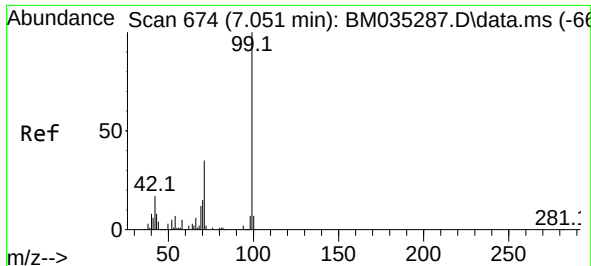
Tgt Ion:152 Resp: 119806
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.9 187.3
 115 54.4 47.9 71.9



#5
 2-Fluorophenol
 Concen: 71.980 ng
 RT: 5.452 min Scan# 402
 Delta R.T. -0.005 min
 Lab File: BM035327.D
 Acq: 31 May 2022 16:00

Tgt Ion:112 Resp: 467057
 Ion Ratio Lower Upper
 112 100
 64 53.9 47.8 71.6
 63 29.5 26.6 40.0

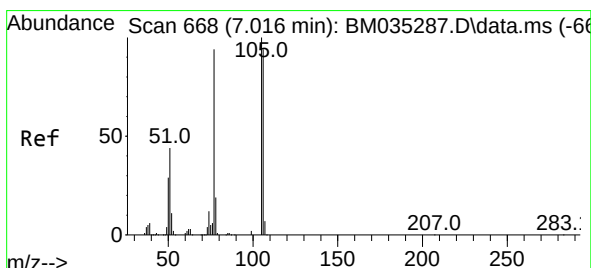
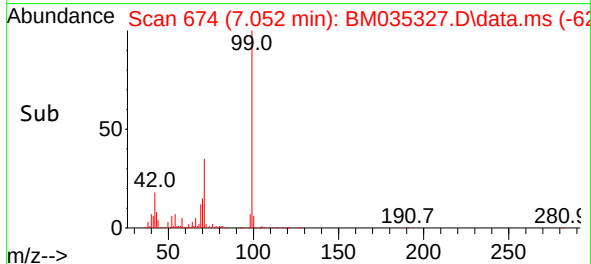
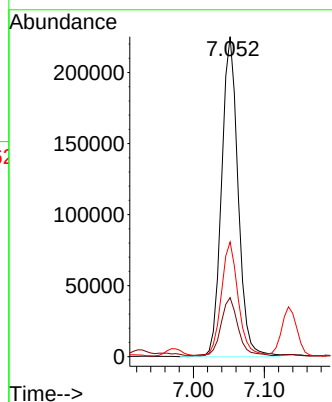
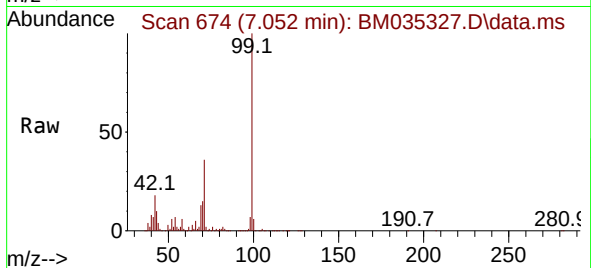




#7
Phenol-d6
Concen: 43.184 ng
RT: 7.052 min Scan# 61
Delta R.T. 0.001 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

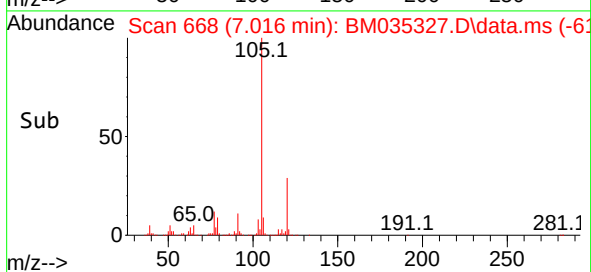
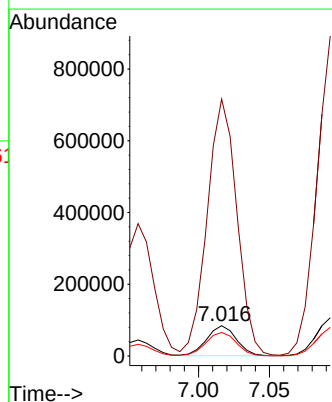
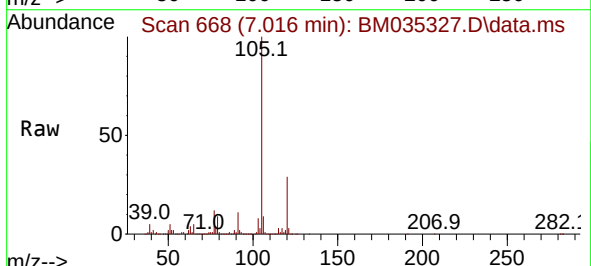
Instrument :
BNA_M
ClientSampleId :
MW-02

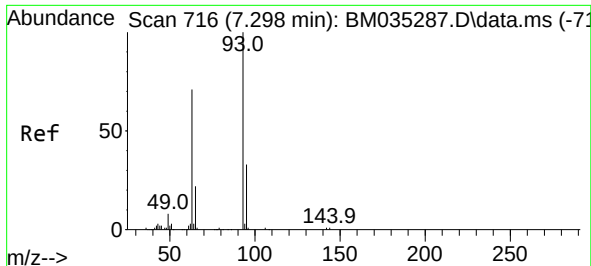
Tgt Ion: 99 Resp: 362836
Ion Ratio Lower Upper
99 100
42 18.5 18.8 28.2#
71 35.9 30.2 45.2



#9
Benzaldehyde
Concen: 28.253 ng
RT: 7.016 min Scan# 668
Delta R.T. 0.000 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion: 77 Resp: 123077
Ion Ratio Lower Upper
77 100
105 850.2 76.3 116.3#
106 78.0 69.0 109.0

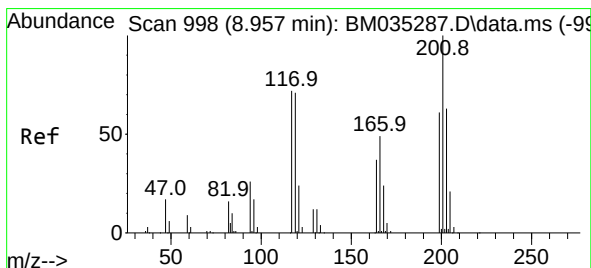
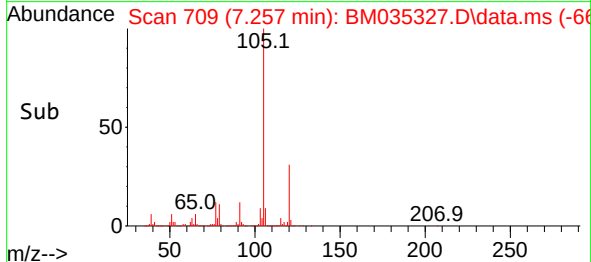
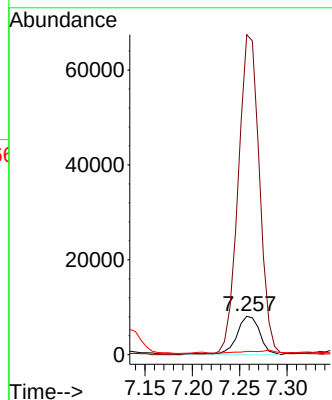
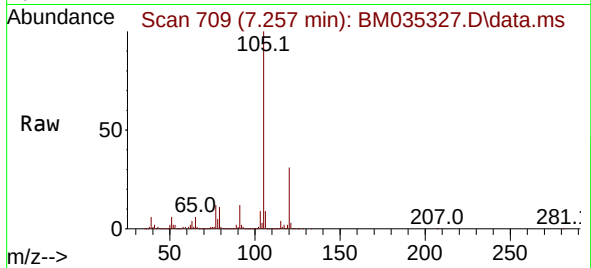




#11
bis(2-Chloroethyl)ether
Concen: 2.160 ng
RT: 7.257 min Scan# 709
Delta R.T. -0.041 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

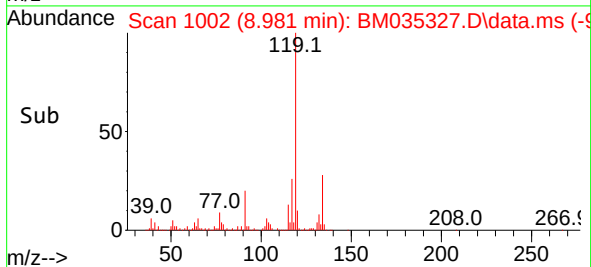
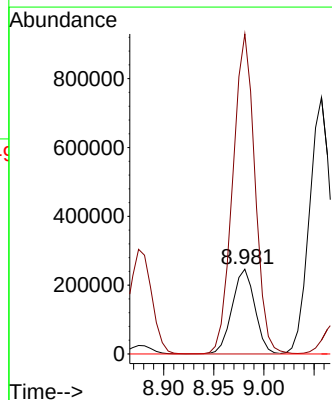
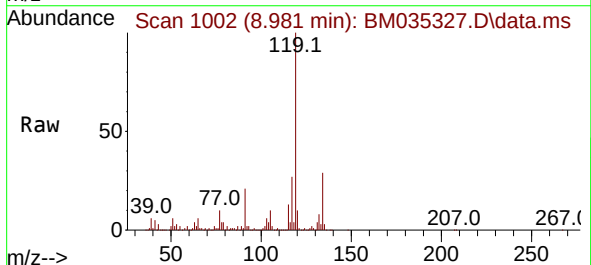
Instrument :
BNA_M
ClientSampleId :
MW-02

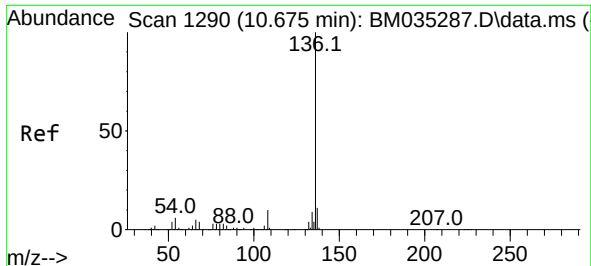
Tgt Ion: 93 Resp: 13824
Ion Ratio Lower Upper
93 100
63 834.7 60.6 100.6#
95 8.7 13.2 53.2#



#18
Hexachloroethane
Concen: 131.453 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.024 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion: 117 Resp: 388122
Ion Ratio Lower Upper
117 100
119 377.1 75.8 113.6#
201 0.0 81.0 121.4#

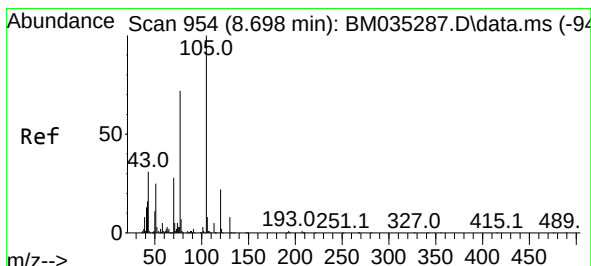
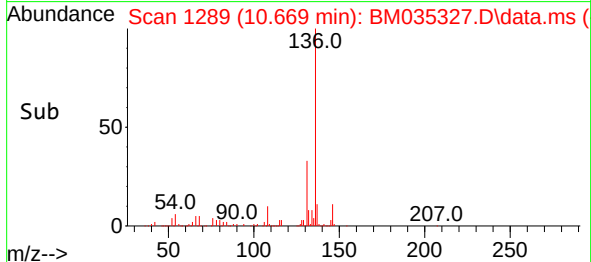
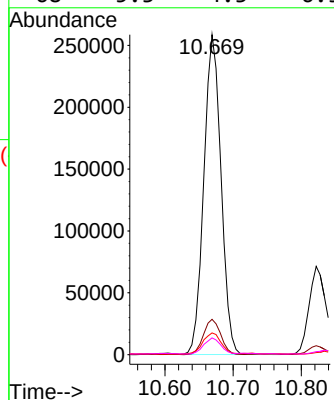
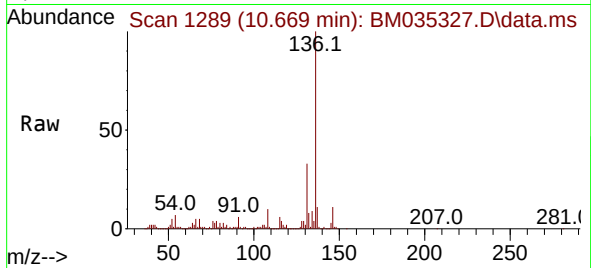




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

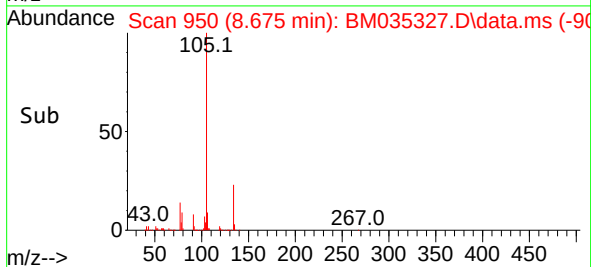
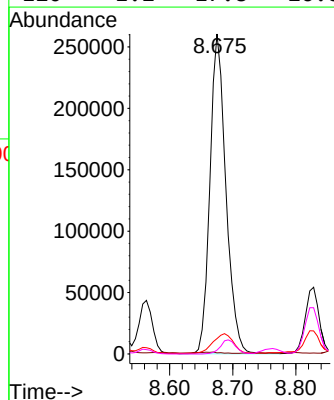
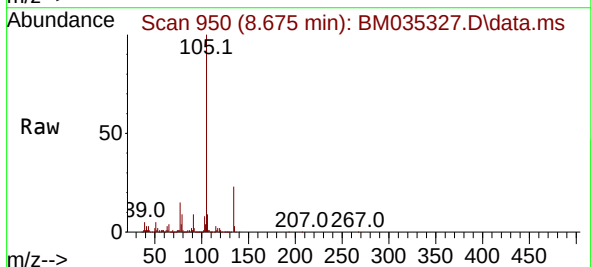
Instrument :
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ClientSampleId :
MW-02

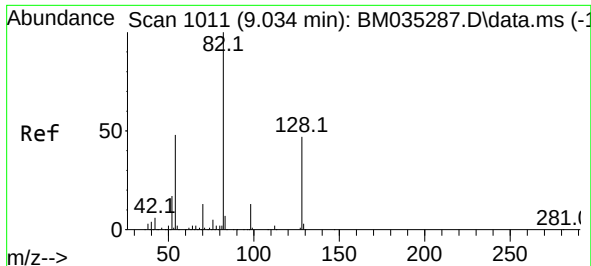
Tgt Ion:136 Resp: 452499
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.8 7.0 10.4#
68 5.3 4.3 6.5



#22
Acetophenone
Concen: 42.376 ng
RT: 8.675 min Scan# 950
Delta R.T. -0.023 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion:105 Resp: 456320
Ion Ratio Lower Upper
105 100
71 0.3 5.0 7.4#
51 4.8 25.6 38.4#
120 1.2 17.8 26.8#

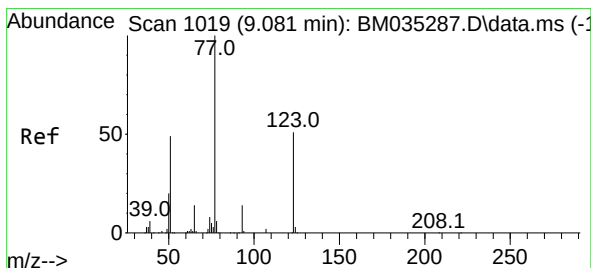
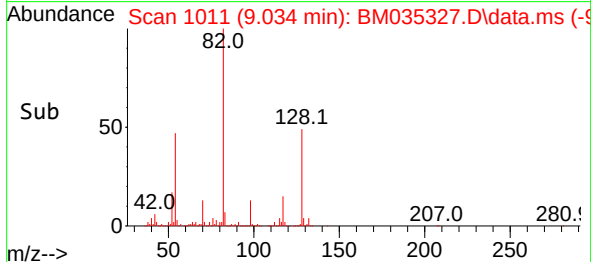
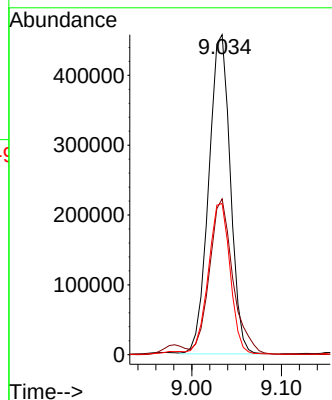
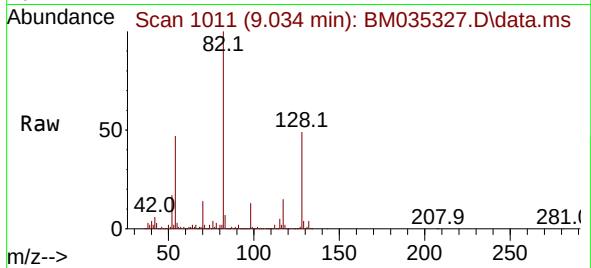




#23
Nitrobenzene-d5
Concen: 92.878 ng
RT: 9.034 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

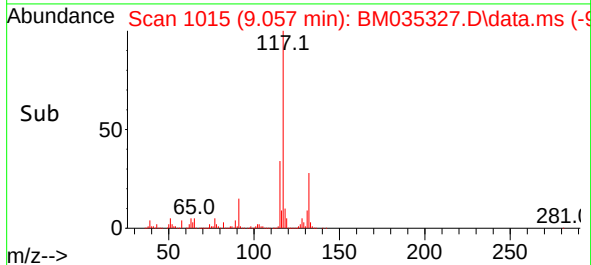
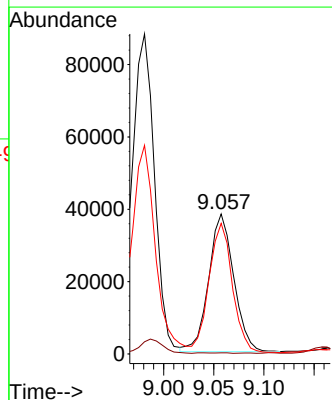
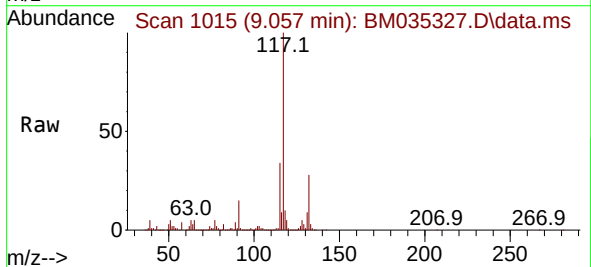
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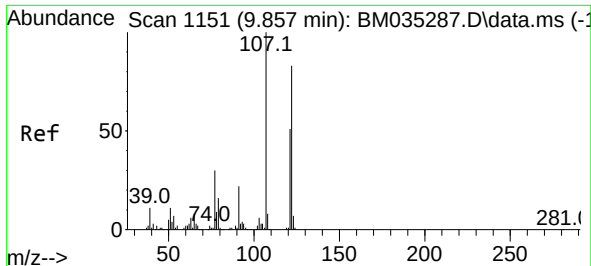
Tgt Ion: 82 Resp: 763462
Ion Ratio Lower Upper
82 100
128 48.7 33.7 50.5
54 47.3 43.2 64.8



#24
Nitrobenzene
Concen: 8.717 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.023 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion: 77 Resp: 66088
Ion Ratio Lower Upper
77 100
123 0.8 36.2 54.4#
65 93.3 11.4 17.0#

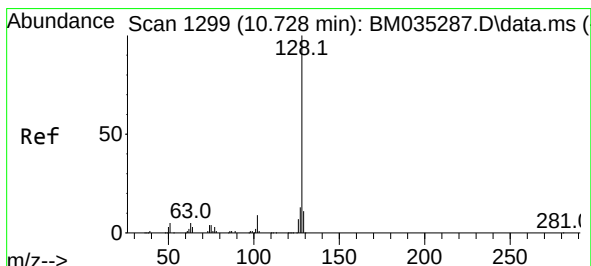
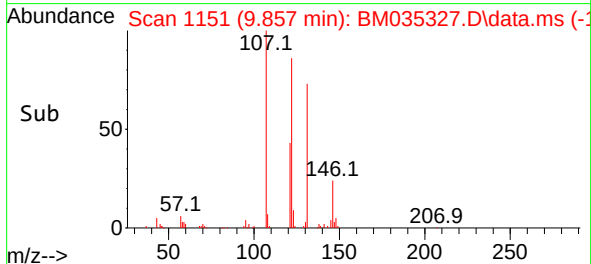
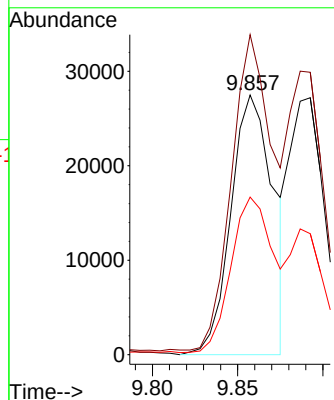
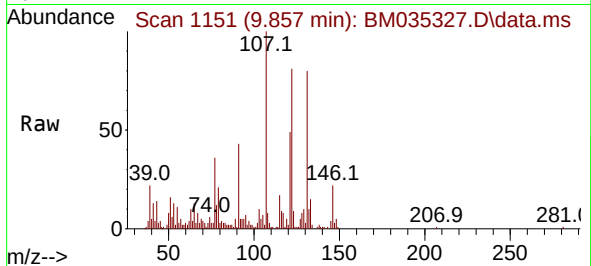




#27
2,4-Dimethylphenol
Concen: 8.647 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

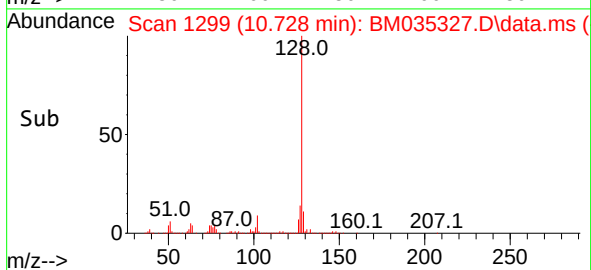
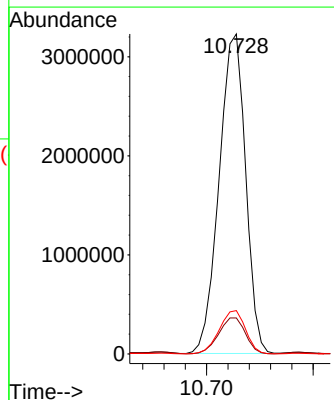
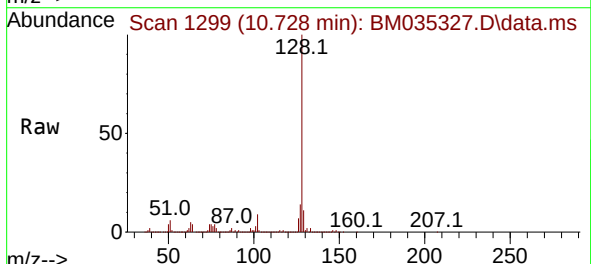
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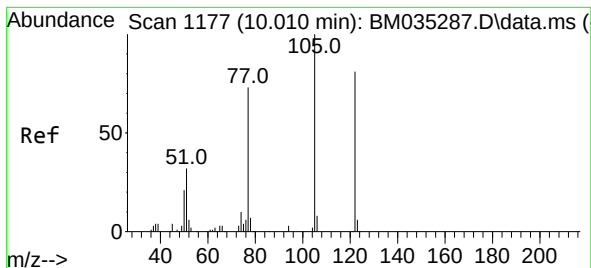
Tgt Ion:122 Resp: 47379
Ion Ratio Lower Upper
122 100
107 123.3 92.4 138.6
121 60.7 47.4 71.0



#31
Naphthalene
Concen: 252.432 ng
RT: 10.728 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion:128 Resp: 5565865
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.6 10.6 16.0





#32

Benzoic acid

Concen: 3.622 ng

RT: 9.981 min Scan# 1177

Delta R.T. -0.029 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

Instrument :

BNA_M

ClientSampleId :

MW-02

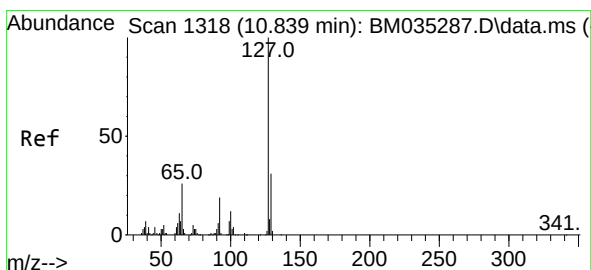
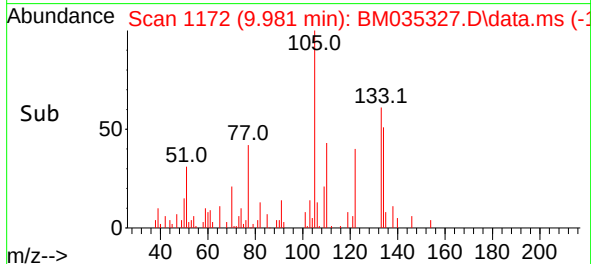
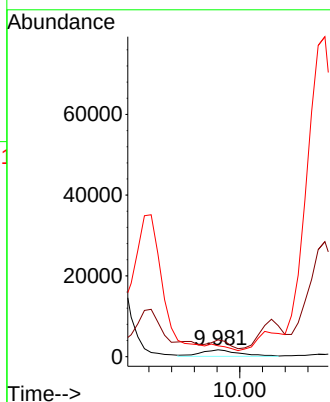
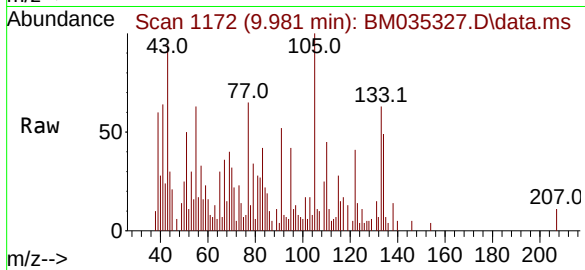
Tgt Ion:122 Resp: 3773

Ion Ratio Lower Upper

122 100

105 244.8 105.7 145.7#

77 160.1 80.0 120.0#



#33

4-Chloroaniline

Concen: 85.842 ng

RT: 10.728 min Scan# 1299

Delta R.T. -0.111 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

Tgt Ion:127 Resp: 749683

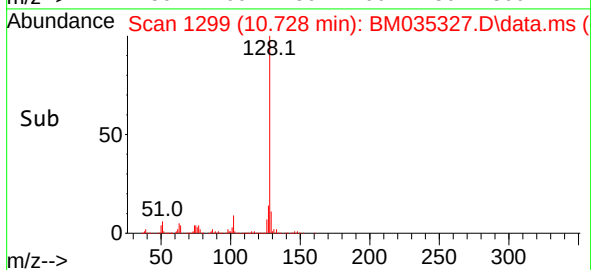
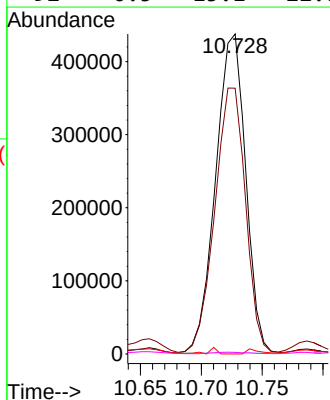
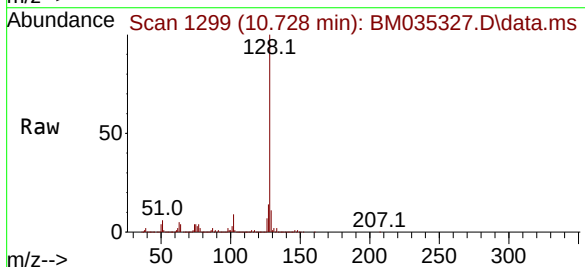
Ion Ratio Lower Upper

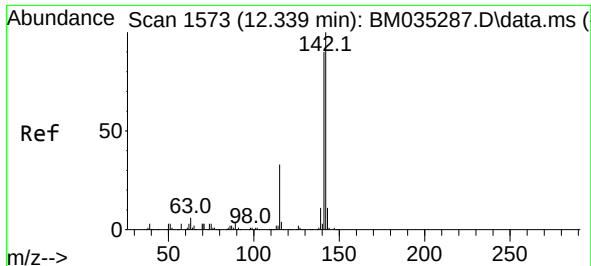
127 100

129 83.1 25.7 38.5#

65 0.0 26.6 40.0#

92 0.5 15.1 22.7#





#37

2-Methylnaphthalene

Concen: 52.664 ng

RT: 12.334 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

Instrument :

BNA_M

ClientSampleId :

MW-02

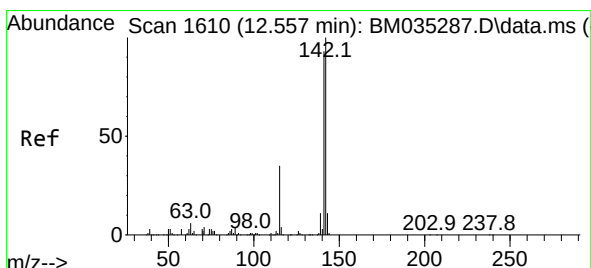
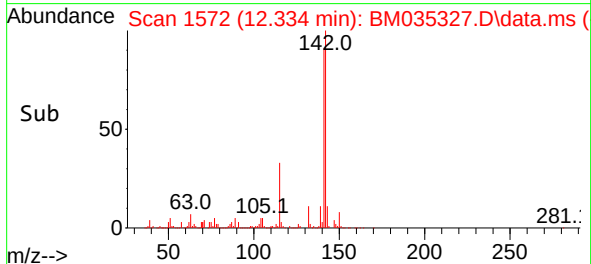
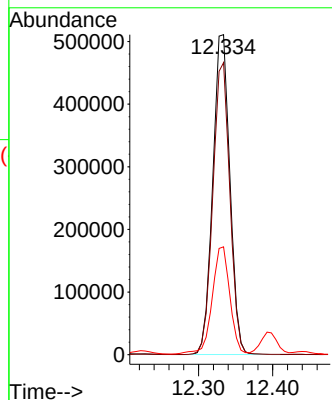
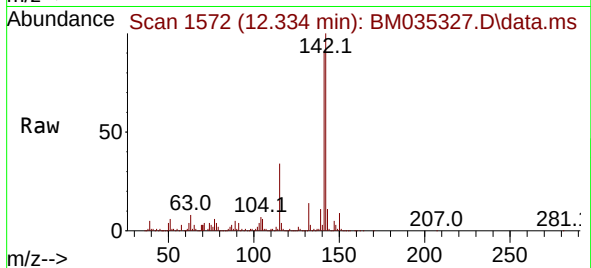
Tgt Ion:142 Resp: 818771

Ion Ratio Lower Upper

142 100

141 91.2 72.4 108.6

115 33.7 29.6 44.4



#38

1-Methylnaphthalene

Concen: 53.873 ng

RT: 12.334 min Scan# 1572

Delta R.T. -0.223 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

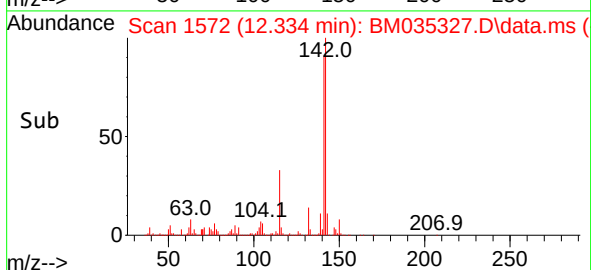
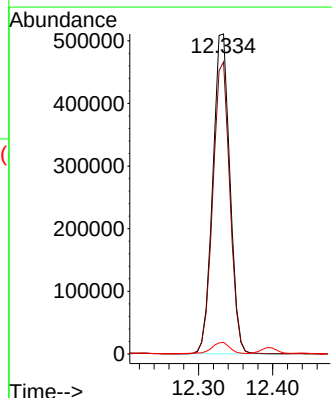
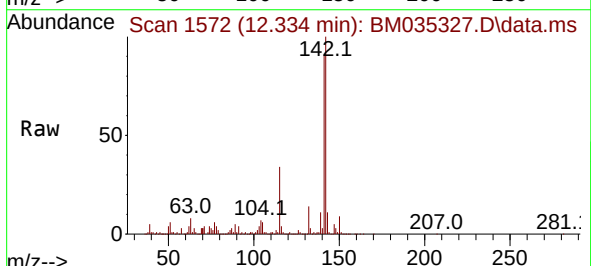
Tgt Ion:142 Resp: 818771

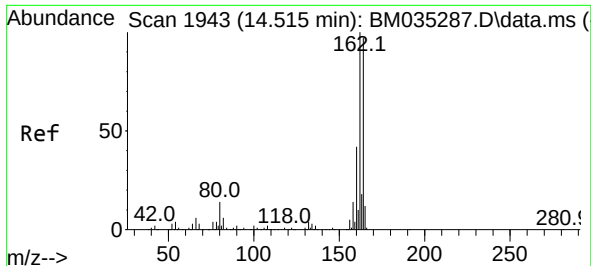
Ion Ratio Lower Upper

142 100

141 91.2 75.0 112.4

116 3.6 3.4 5.2

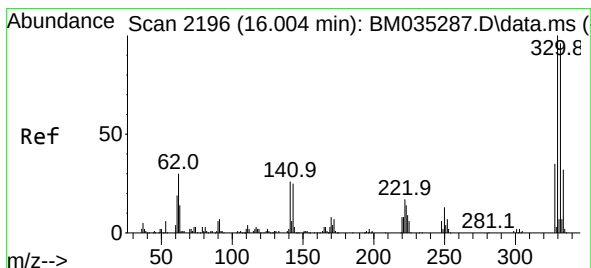
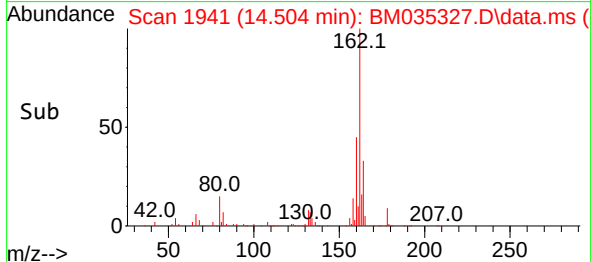
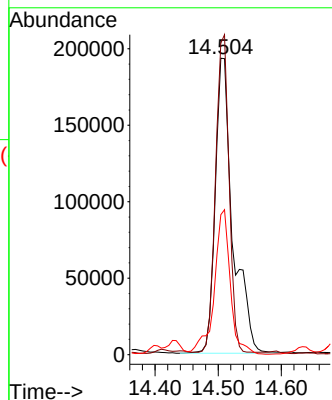
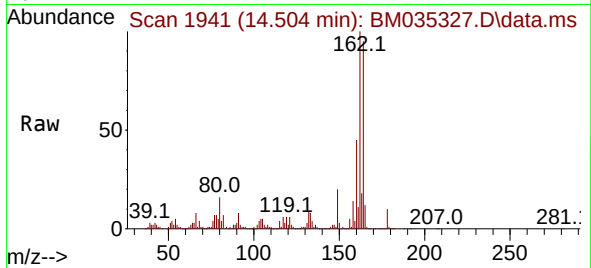




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.011 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

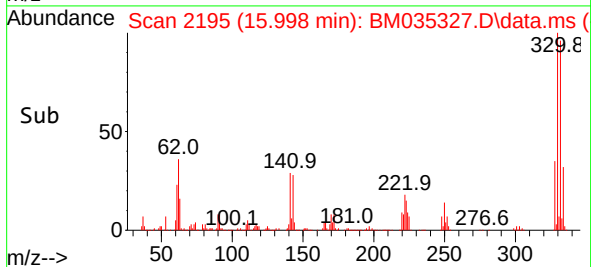
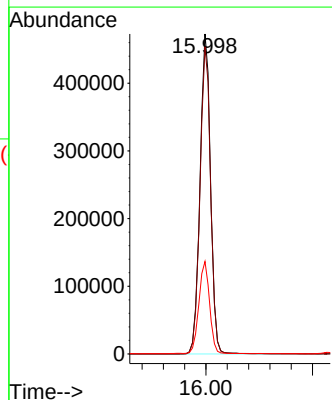
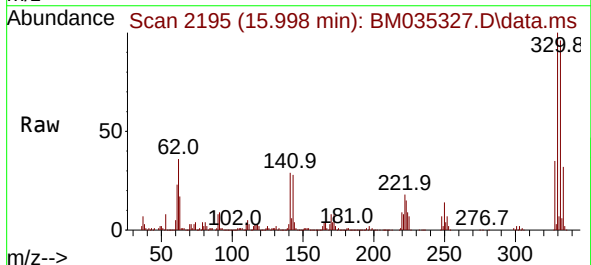
Instrument :
BNA_M
ClientSampleId :
MW-02

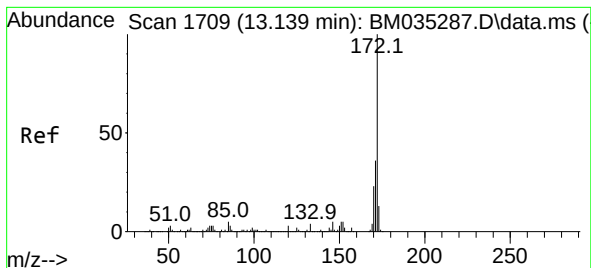
Tgt Ion:164 Resp: 374605
Ion Ratio Lower Upper
164 100
162 105.1 83.0 124.6
160 47.3 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 133.661 ng
RT: 15.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion:330 Resp: 649553
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 29.3 35.3 52.9#





#45

2-Fluorobiphenyl

Concen: 76.216 ng

RT: 13.134 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

Instrument :

BNA_M

ClientSampleId :

MW-02

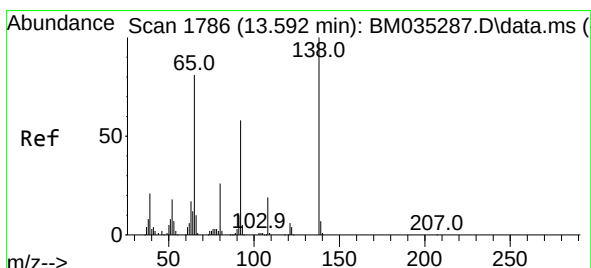
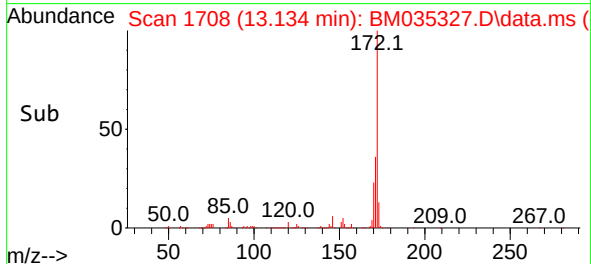
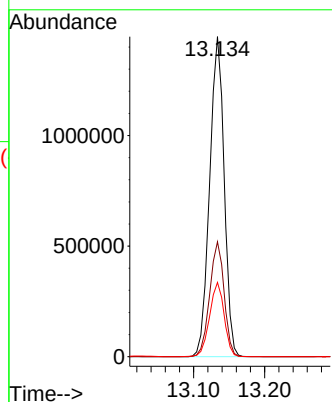
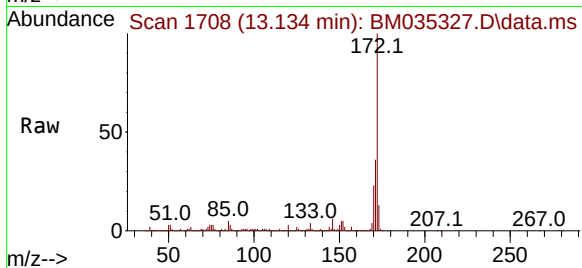
Tgt Ion:172 Resp: 2058834

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 23.2 18.7 28.1



#48

2-Nitroaniline

Concen: 14.045 ng

RT: 13.622 min Scan# 1791

Delta R.T. 0.030 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

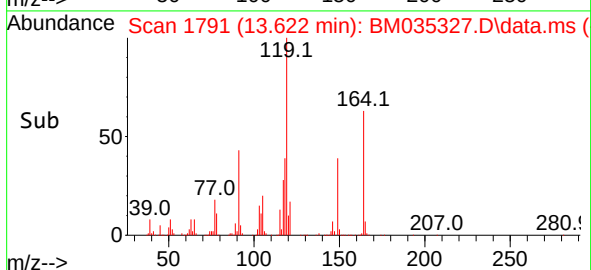
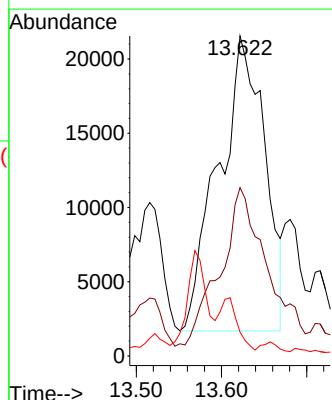
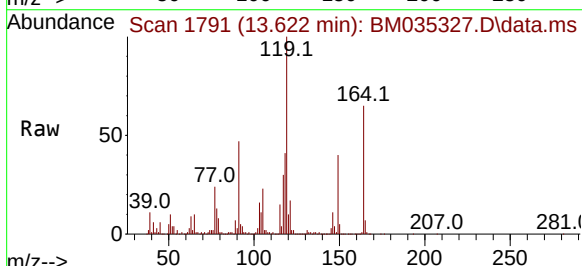
Tgt Ion: 65 Resp: 75000

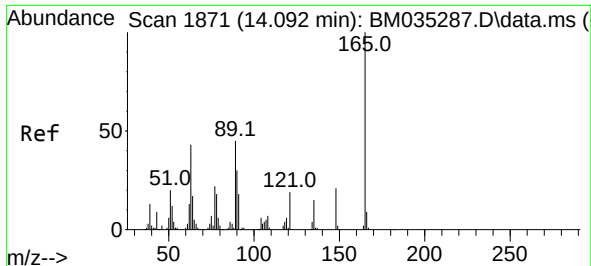
Ion Ratio Lower Upper

65 100

92 52.6 53.7 80.5#

138 7.4 83.9 125.9#

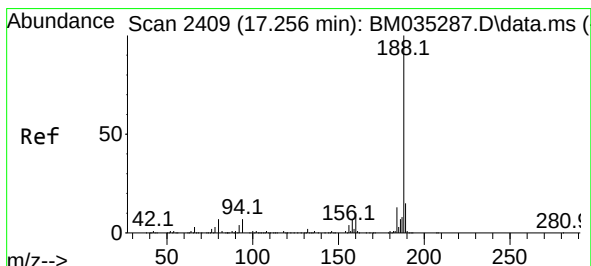
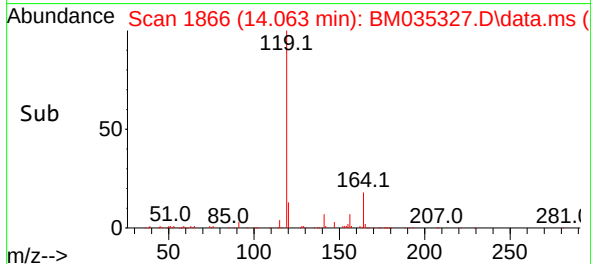
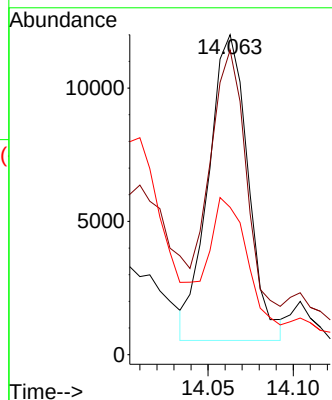
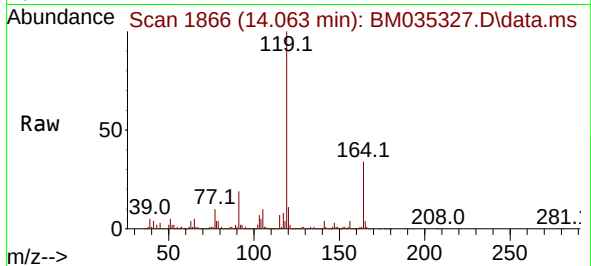




#51
2,6-Dinitrotoluene
Concen: 3.398 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.029 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

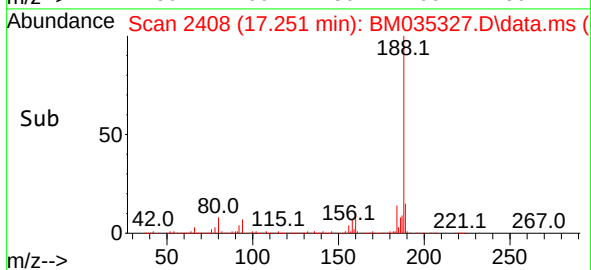
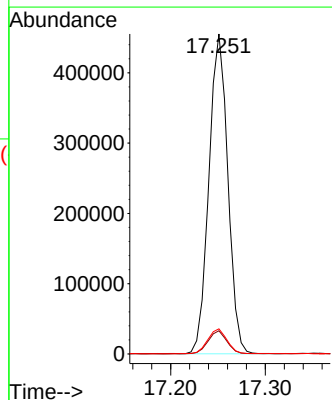
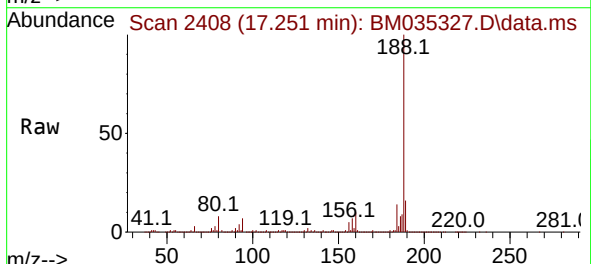
Instrument :
BNA_M
ClientSampleId :
MW-02

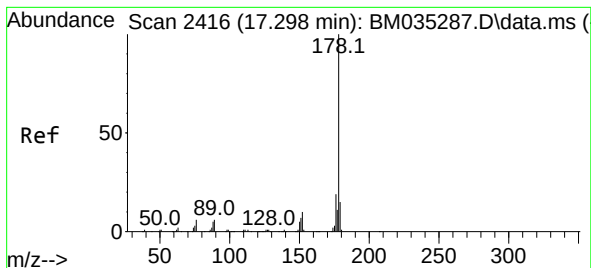
Tgt Ion:165 Resp: 18532
Ion Ratio Lower Upper
165 100
63 95.2 50.2 75.2#
89 46.1 48.4 72.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion:188 Resp: 631208
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 7.9 7.6 11.4





#71

Phenanthrene

Concen: 2.464 ng

RT: 17.292 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

Instrument :

BNA_M

ClientSampleId :

MW-02

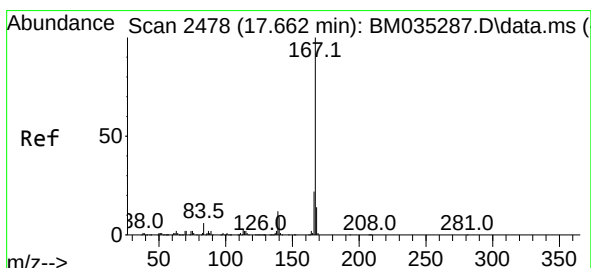
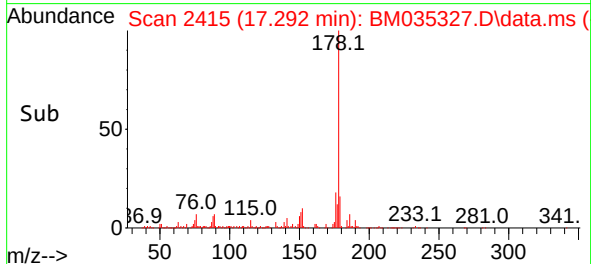
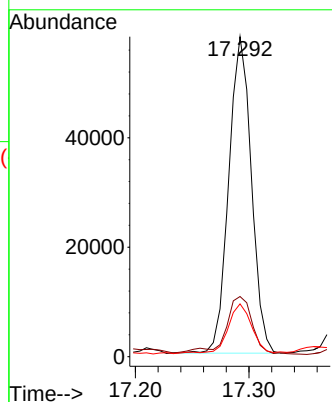
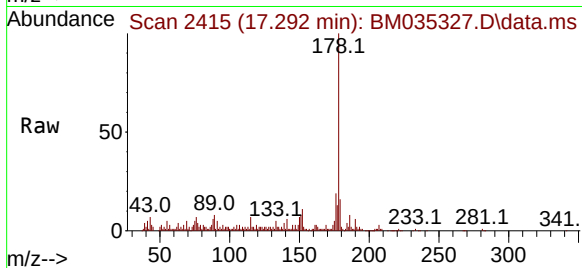
Tgt Ion:178 Resp: 79912

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 16.5 12.4 18.6



#73

Carbazole

Concen: 5.842 ng

RT: 17.657 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BM035327.D

Acq: 31 May 2022 16:00

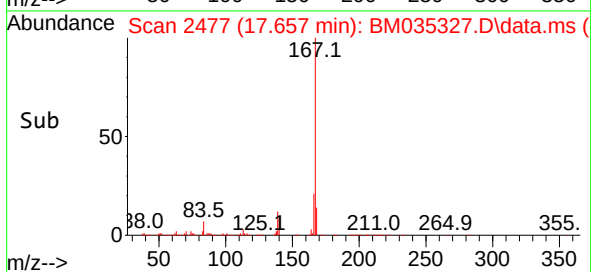
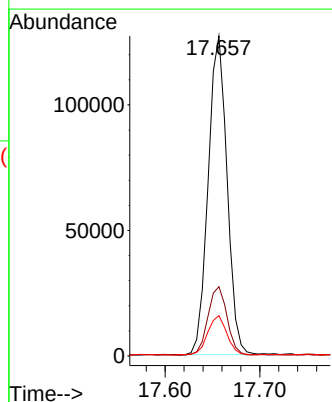
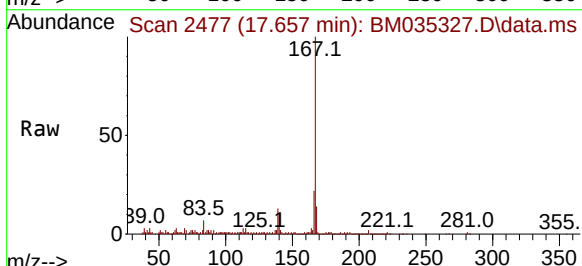
Tgt Ion:167 Resp: 175893

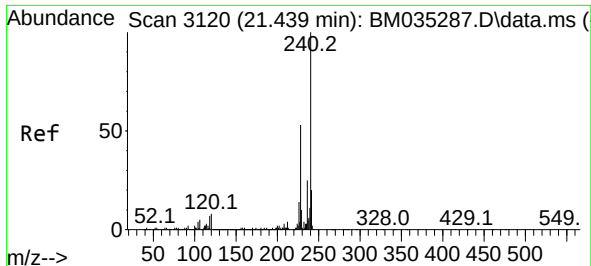
Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

139 12.6 10.9 16.3

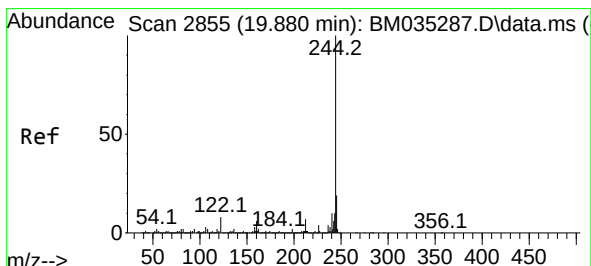
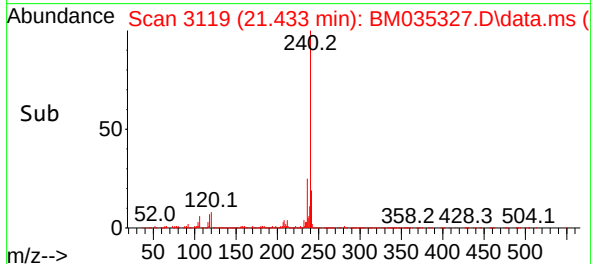
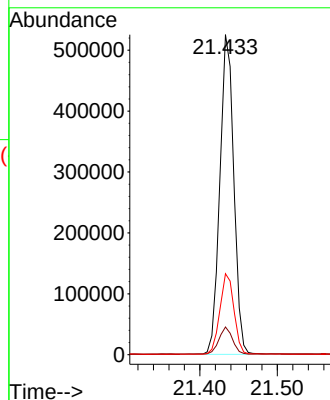
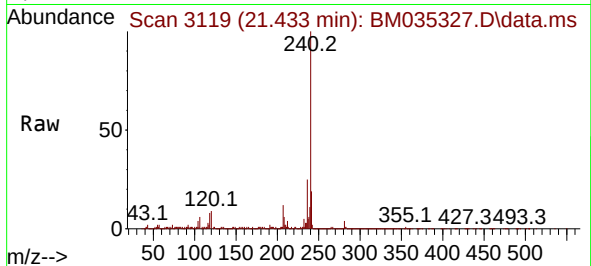




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

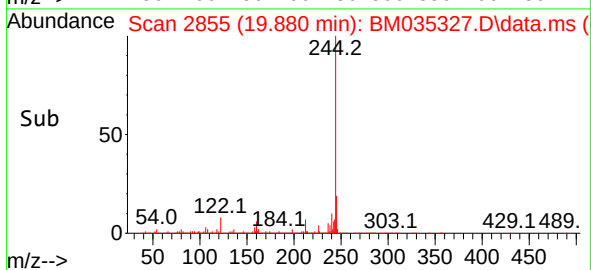
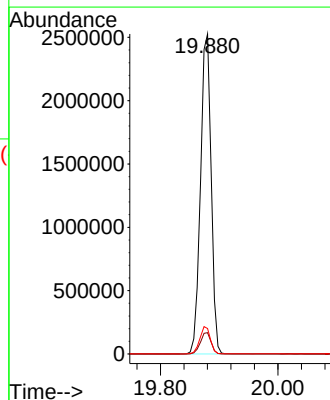
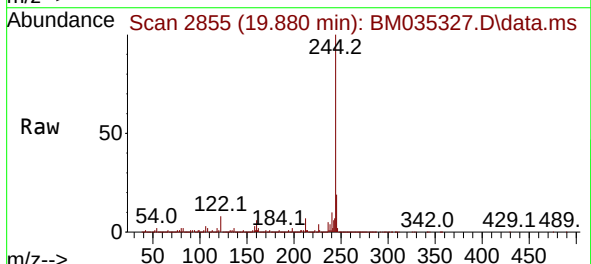
Instrument :
BNA_M
ClientSampleId :
MW-02

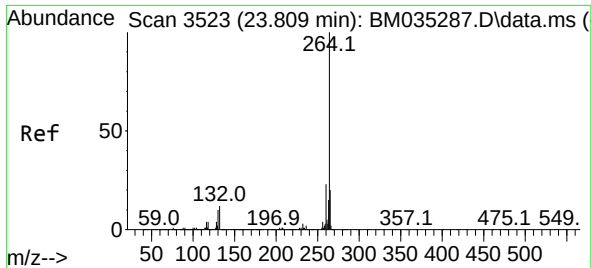
Tgt Ion:240 Resp: 655973
Ion Ratio Lower Upper
240 100
120 8.7 9.4 14.0#
236 25.3 20.6 30.8



#79
Terphenyl-d14
Concen: 85.420 ng
RT: 19.880 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BM035327.D
Acq: 31 May 2022 16:00

Tgt Ion:244 Resp: 3162154
Ion Ratio Lower Upper
244 100
212 6.7 6.2 9.4
122 8.0 8.3 12.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.798 min Scan# 31
 Delta R.T. -0.011 min
 Lab File: BM035327.D
 Acq: 31 May 2022 16:00

Instrument :
 BNA_M
 ClientSampleId :
 MW-02

Tgt Ion:264 Resp: 712652
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 22.4 17.5 26.3

