

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100421\
 Data File : BM032321.D
 Acq On : 04 Oct 2021 13:28
 Operator : CG/JU
 Sample : M3702-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Oct 04 13:58:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 18:34:58 2021
 Response via : Initial Calibration

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

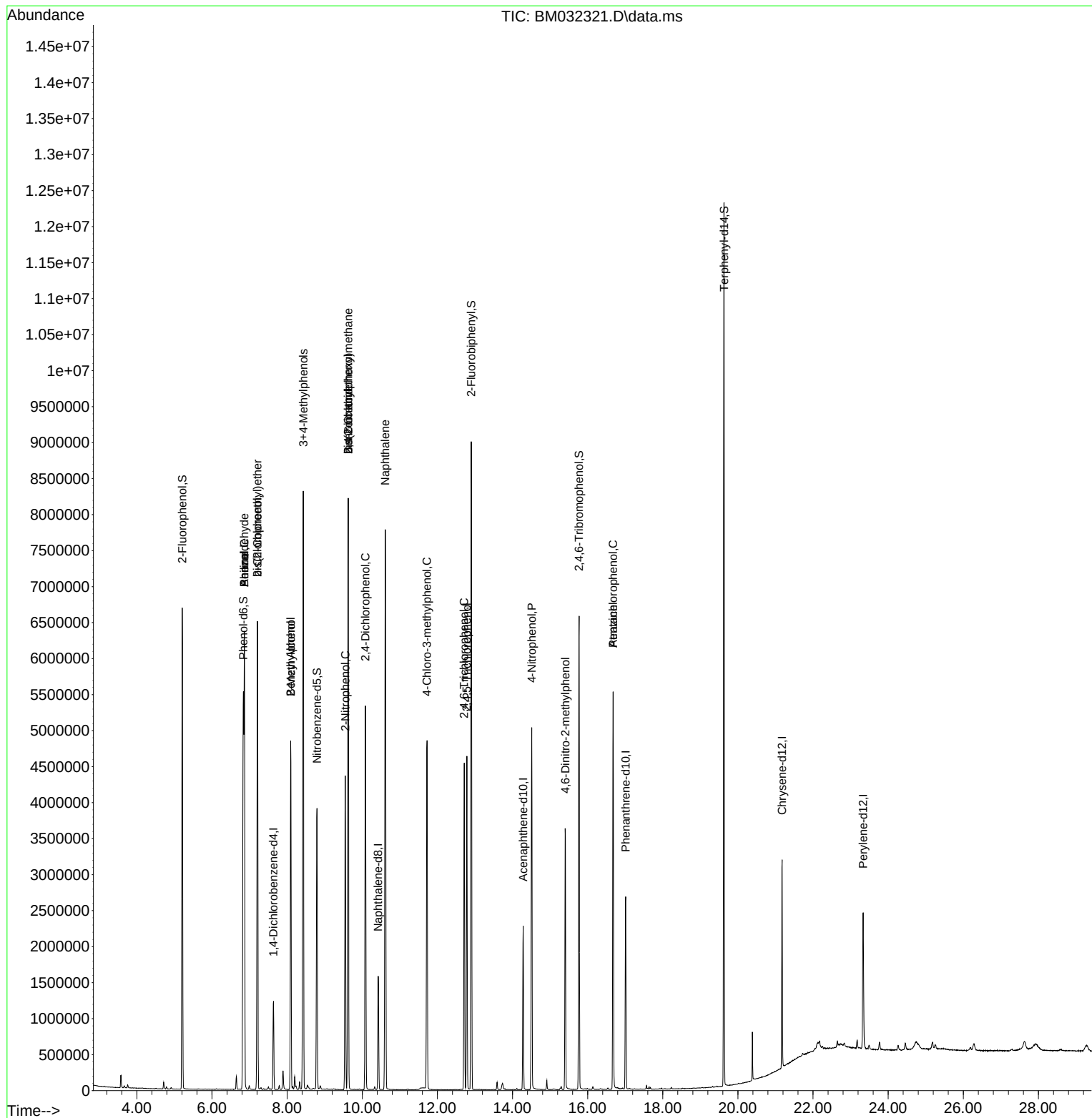
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.637	152	310021	20.000	ng	0.00
21) Naphthalene-d8	10.425	136	1226737	20.000	ng	# 0.00
39) Acenaphthene-d10	14.283	164	730043	20.000	ng	0.00
64) Phenanthrene-d10	17.012	188	1500876	20.000	ng	0.00
76) Chrysene-d12	21.177	240	1325406	20.000	ng	0.00
86) Perylene-d12	23.330	264	1220964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.207	112	2830919	153.855	ng	0.00
7) Phenol-d6	6.831	99	3599611	143.057	ng	0.00
23) Nitrobenzene-d5	8.795	82	2194911	99.513	ng	0.00
42) 2,4,6-Tribromophenol	15.771	330	1175440	143.823	ng	0.00
45) 2-Fluorobiphenyl	12.901	172	4591772	93.518	ng	0.00
79) Terphenyl-d14	19.630	244	5881788	93.460	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.860	93	70786	2.546	ng	# 1
8) 2-Chlorophenol	7.207	128	2954271	147.314	ng	93
9) Benzaldehyde	6.860	77	37527	2.555	ng	# 8
10) Phenol	6.860	94	3349108	138.236	ng	83
11) bis(2-Chloroethyl)ether	7.207	93	63793	3.311	ng	# 1
15) Benzyl Alcohol	8.095	79	625274	36.283	ng	# 1
17) 2-Methylphenol	8.095	107	1405092	85.821	ng	# 90
20) 3+4-Methylphenols	8.431	107	3912968	177.154	ng	86
26) 2-Nitrophenol	9.548	139	1388749	140.304	ng	# 74
27) 2,4-Dimethylphenol	9.625	122	2502778	149.882	ng	95
28) bis(2-Chloroethoxy)met...	9.625	93	113488	4.307	ng	# 1
29) 2,4-Dichlorophenol	10.083	162	1827984	98.287	ng	97
31) Naphthalene	10.613	128	199882	3.175	ng	# 79
32) Benzoic acid	9.625	122	2502806	183.301	ng	# 5
36) 4-Chloro-3-methylphenol	11.725	107	1708145	85.310	ng	96
43) 2,4,6-Trichlorophenol	12.713	196	1018589	70.004	ng	96
44) 2,4,5-Trichlorophenol	12.783	196	1113038	71.164	ng	# 92
56) 4-Nitrophenol	14.513	139	1351774	139.692	ng	# 67
65) 4,6-Dinitro-2-methylph...	15.407	198	738023	87.364	ng	# 72
69) Atrazine	16.677	200	173119	11.471	ng	# 39
70) Pentachlorophenol	16.677	266	874366	82.384	ng	98

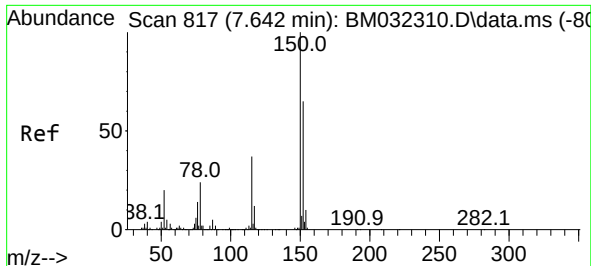
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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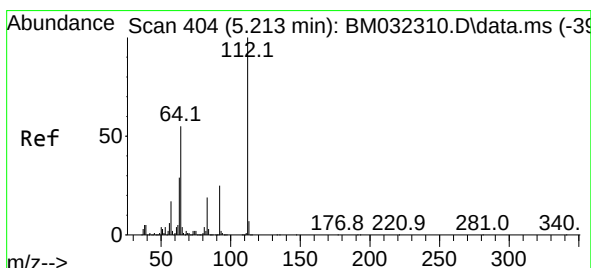
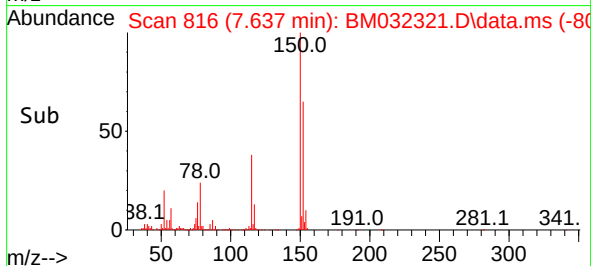
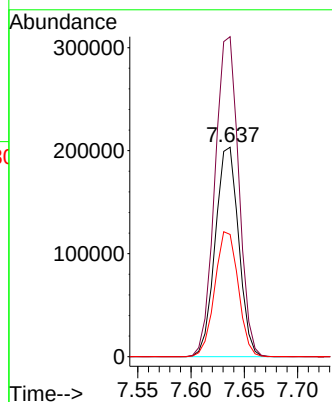
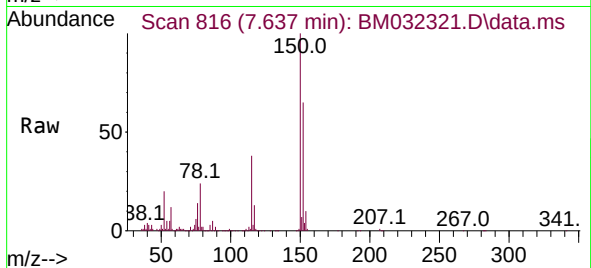




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.637 min Scan# 816
Delta R.T. -0.005 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

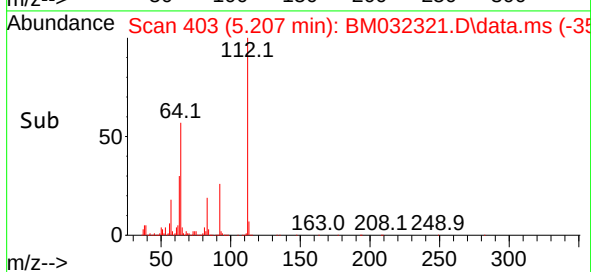
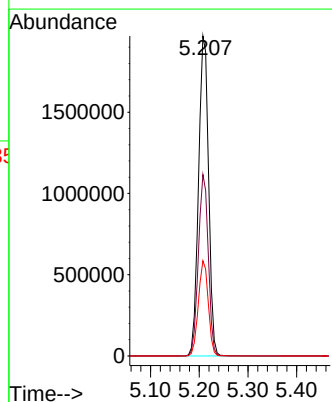
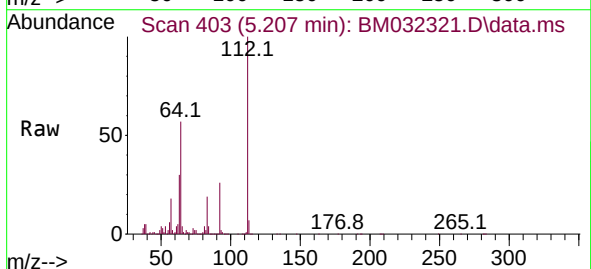
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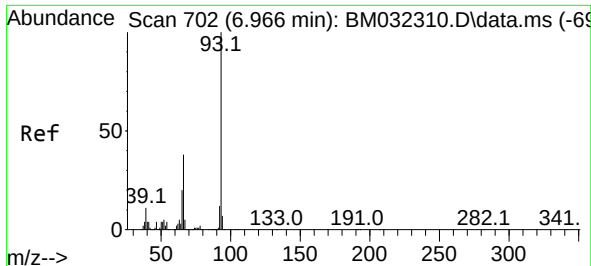
Tgt Ion:152 Resp: 310021
Ion Ratio Lower Upper
152 100
150 152.8 122.4 183.6
115 58.3 53.8 80.8



#5
2-Fluorophenol
Concen: 153.855 ng
RT: 5.207 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:112 Resp: 2830919
Ion Ratio Lower Upper
112 100
64 56.7 53.7 80.5
63 29.8 33.9 50.9#

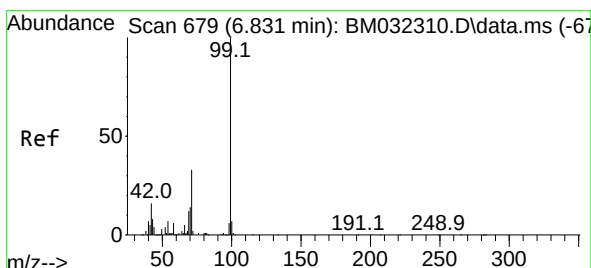
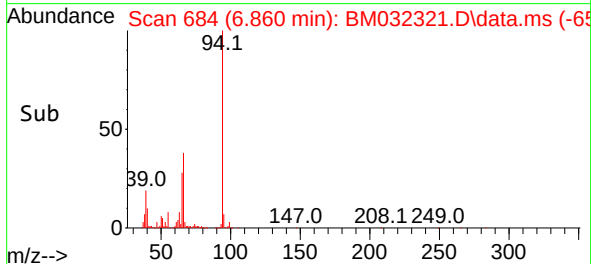
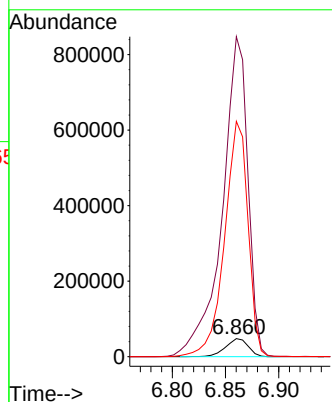
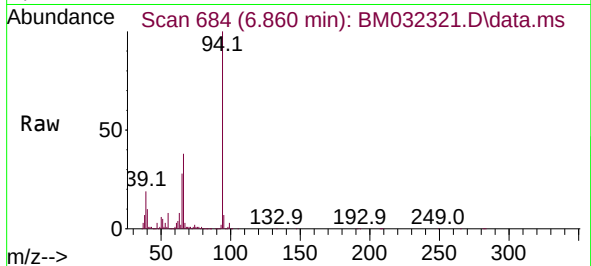




#6
Aniline
Concen: 2.546 ng
RT: 6.860 min Scan# 61
Delta R.T. -0.106 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

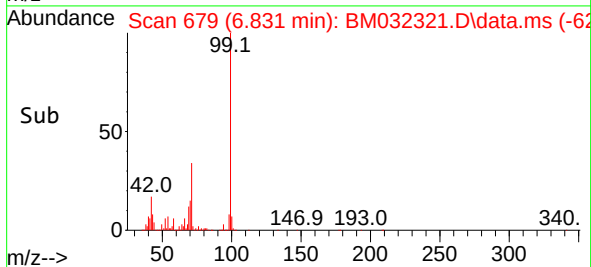
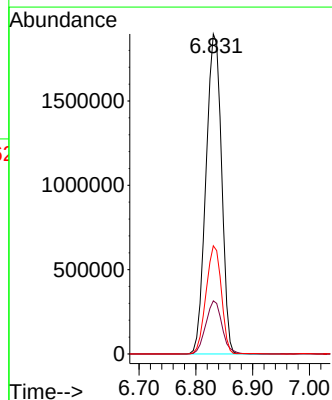
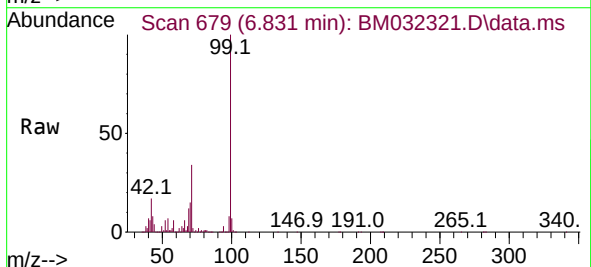
Instrument :
BNA_M
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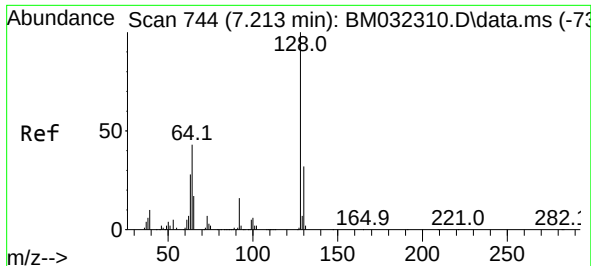
Tgt Ion: 93 Resp: 70786
Ion Ratio Lower Upper
93 100
66 1770.0 35.3 52.9#
65 1301.9 18.7 28.1#



#7
Phenol-d6
Concen: 143.057 ng
RT: 6.831 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 99 Resp: 3599611
Ion Ratio Lower Upper
99 100
42 16.6 23.0 34.6#
71 33.8 37.8 56.8#

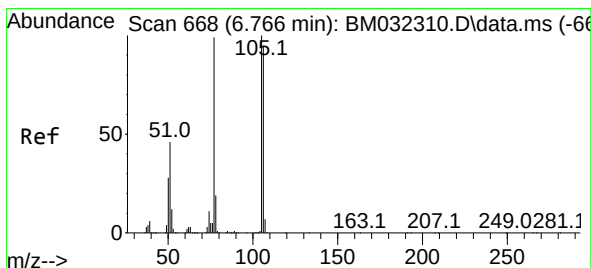
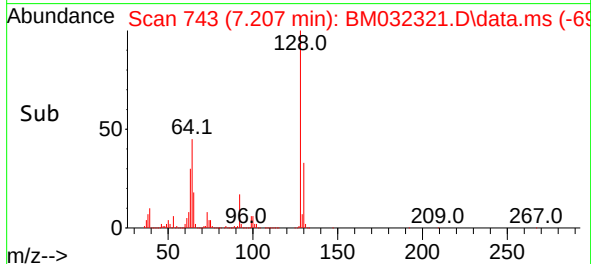
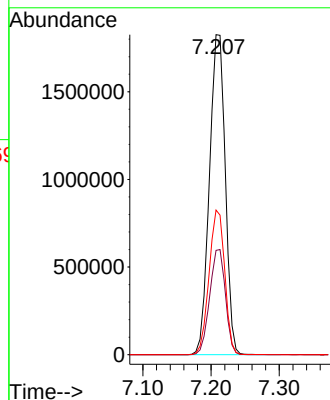
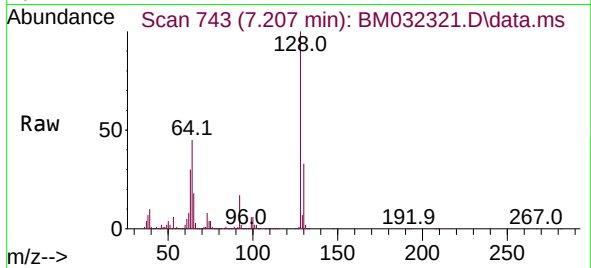




#8
2-Chlorophenol
Concen: 147.314 ng
RT: 7.207 min Scan# 744
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

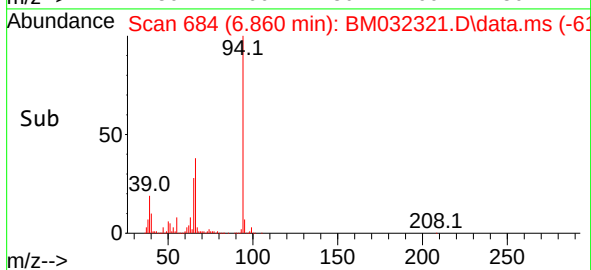
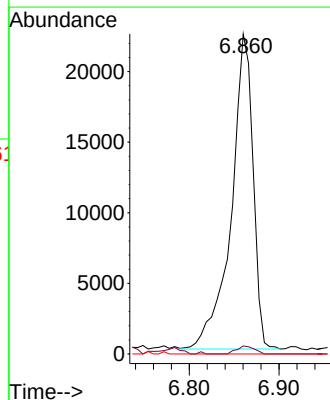
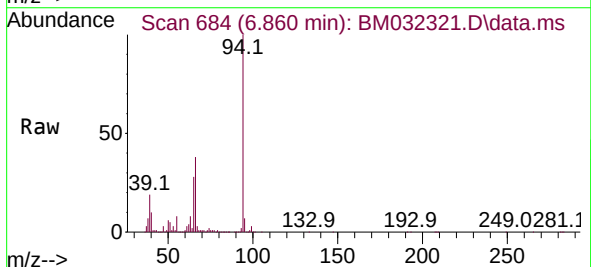
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

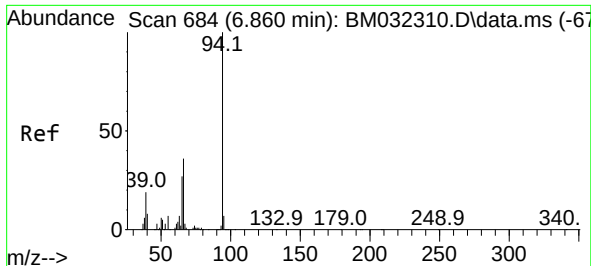
Tgt Ion:128 Resp: 2954271
Ion Ratio Lower Upper
128 100
130 32.6 13.0 53.0
64 45.2 33.4 73.4



#9
Benzaldehyde
Concen: 2.555 ng
RT: 6.860 min Scan# 684
Delta R.T. 0.094 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 77 Resp: 37527
Ion Ratio Lower Upper
77 100
105 2.5 68.9 108.9#
106 0.0 61.2 101.2#

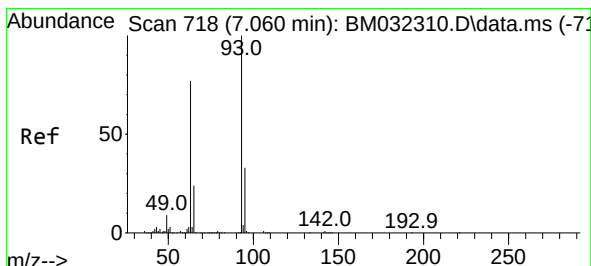
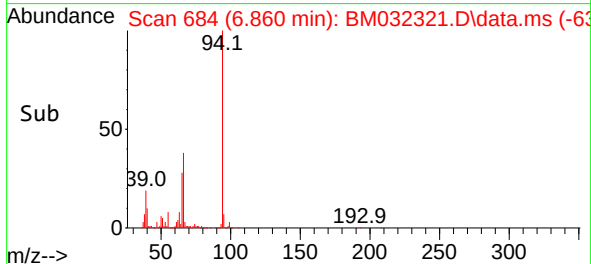
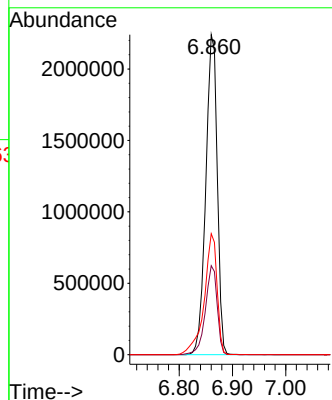
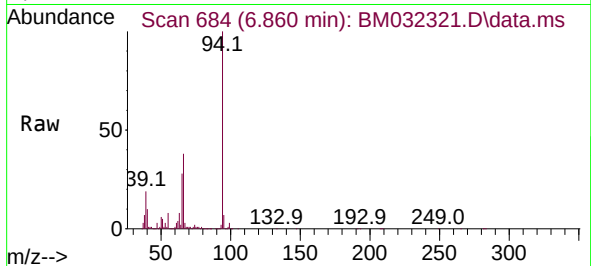




#10
Phenol
Concen: 138.236 ng
RT: 6.860 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

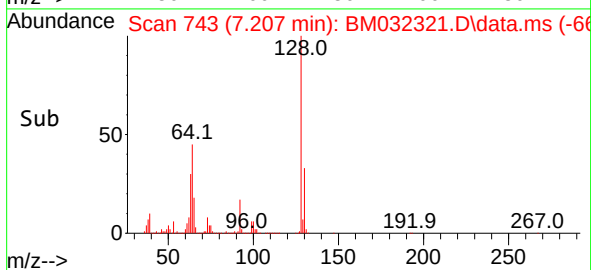
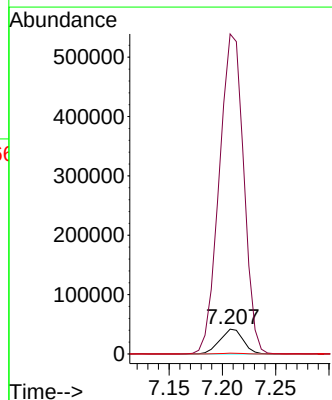
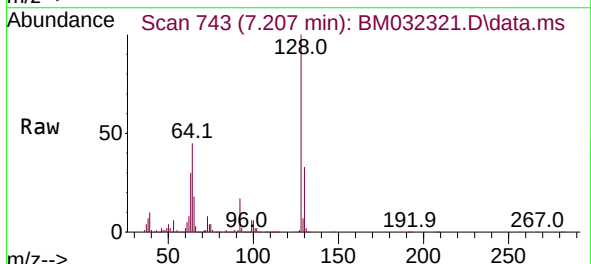
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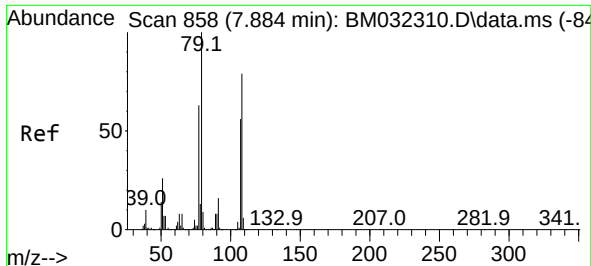
Tgt Ion: 94 Resp: 3349108
Ion Ratio Lower Upper
94 100
65 27.8 16.9 56.9
66 37.8 30.0 70.0



#11
bis(2-Chloroethyl)ether
Concen: 3.311 ng
RT: 7.207 min Scan# 743
Delta R.T. 0.147 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 93 Resp: 63793
Ion Ratio Lower Upper
93 100
63 1293.7 63.7 103.7#
95 3.3 12.4 52.4#

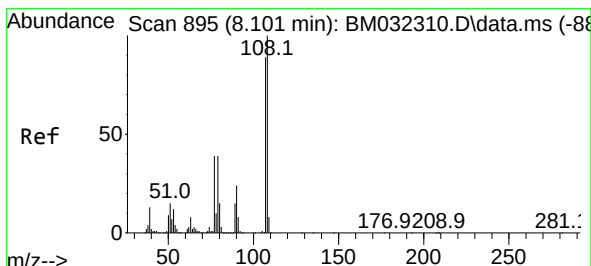
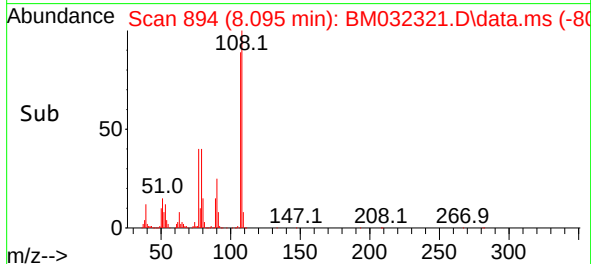
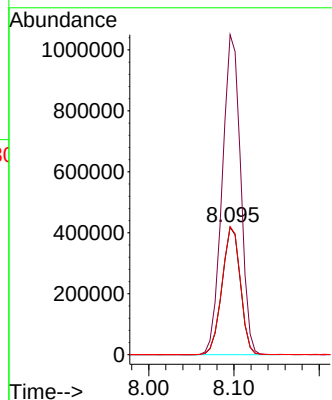
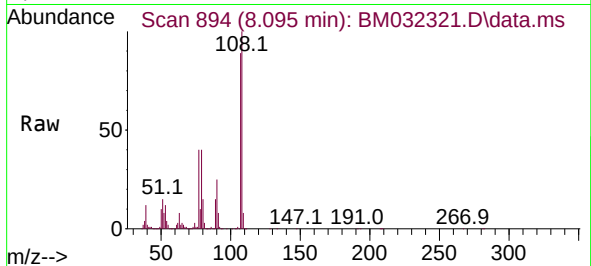




#15
Benzyl Alcohol
Concen: 36.283 ng
RT: 8.095 min Scan# 894
Delta R.T. 0.212 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

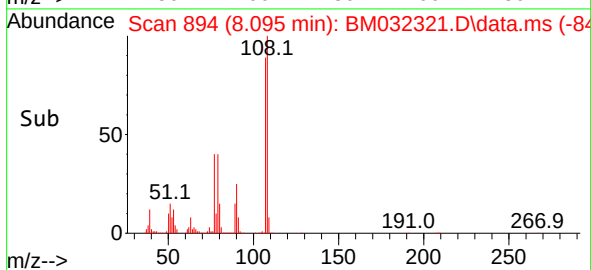
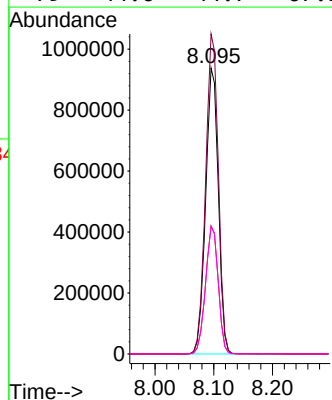
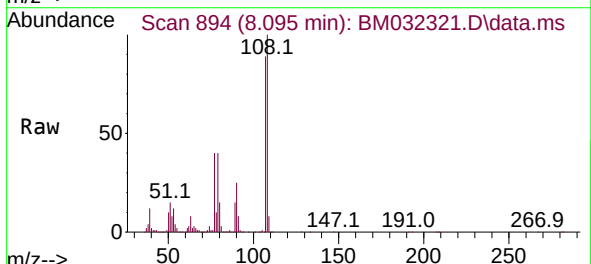
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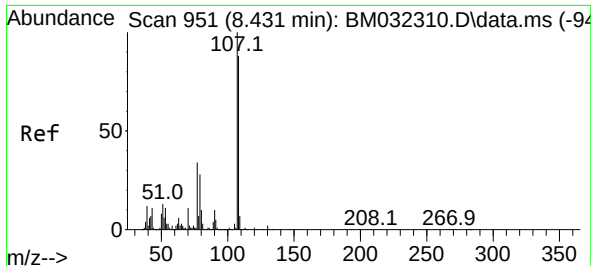
Tgt Ion: 79 Resp: 625274
Ion Ratio Lower Upper
79 100
108 250.9 53.6 80.4#
77 100.4 57.7 86.5#



#17
2-Methylphenol
Concen: 85.821 ng
RT: 8.095 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 107 Resp: 1405092
Ion Ratio Lower Upper
107 100
108 111.9 87.9 131.9
77 44.8 48.2 72.2#
79 44.6 44.7 67.1#

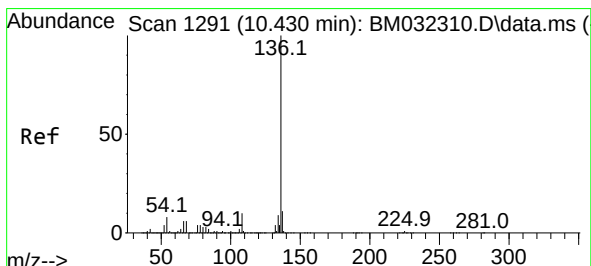
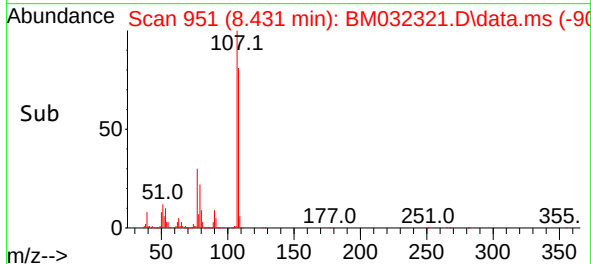
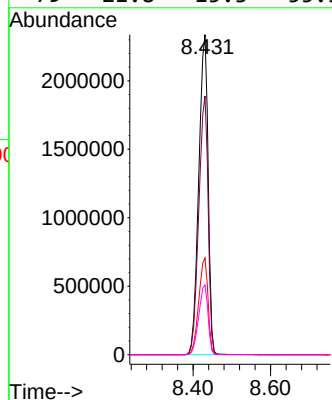
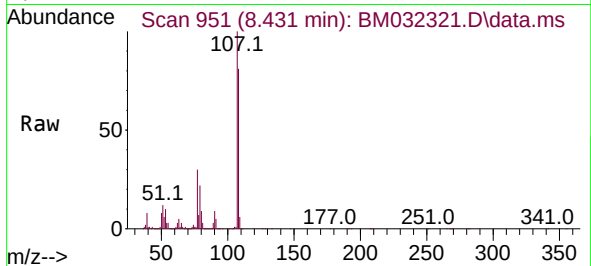




#20
3+4-Methylphenols
Concen: 177.154 ng
RT: 8.431 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

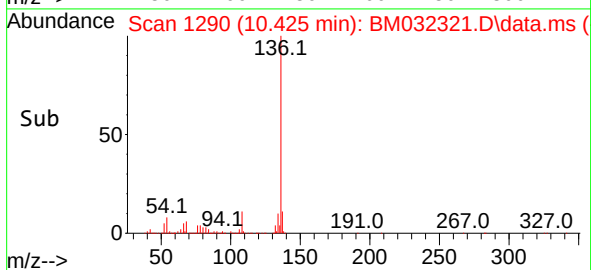
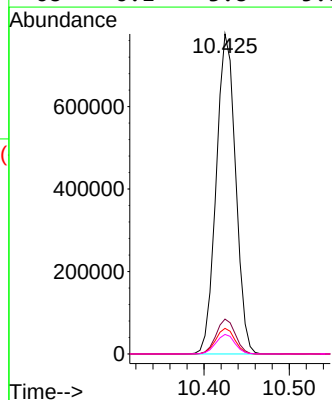
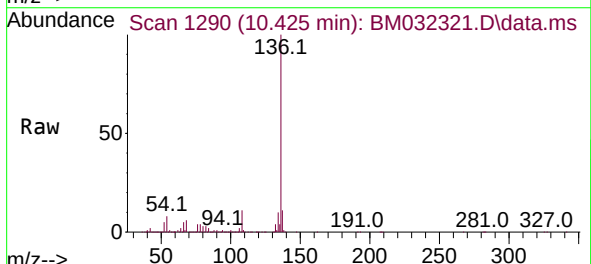
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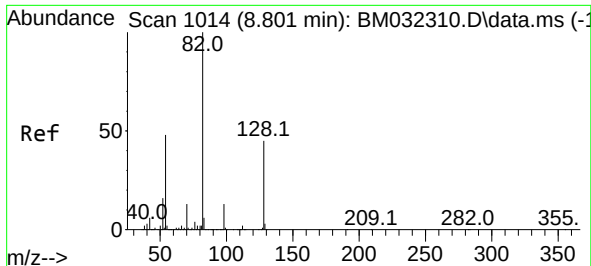
Tgt Ion:107 Resp: 3912968
Ion Ratio Lower Upper
107 100
108 80.8 67.6 107.6
77 30.3 21.9 61.9
79 21.8 15.3 55.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1290
Delta R.T. -0.005 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:136 Resp: 1226737
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 7.4 11.0
68 6.1 3.8 5.8#

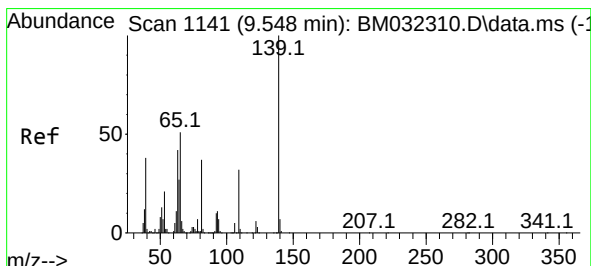
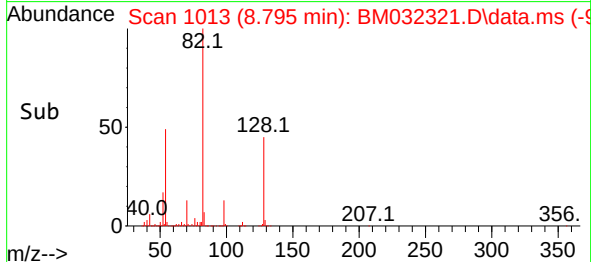
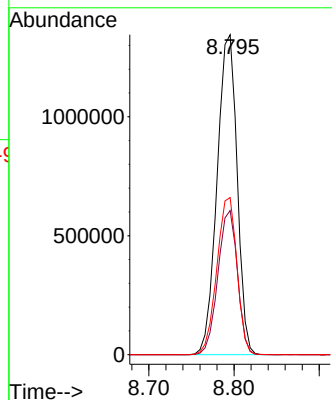
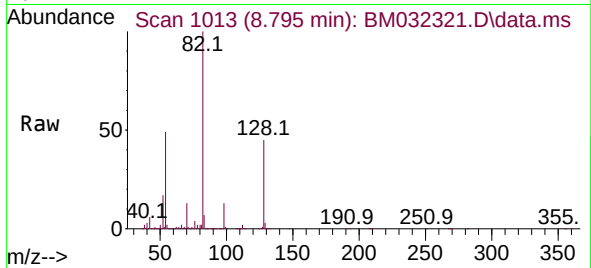




#23
Nitrobenzene-d5
Concen: 99.513 ng
RT: 8.795 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

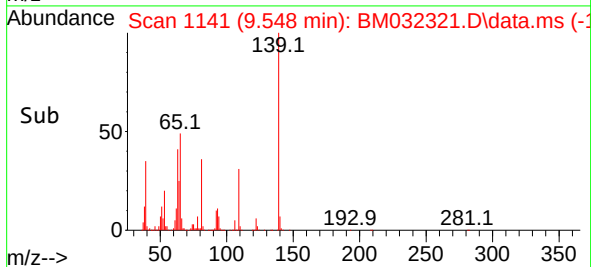
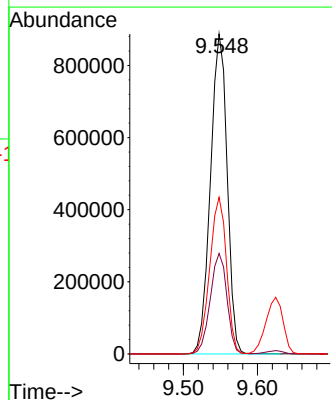
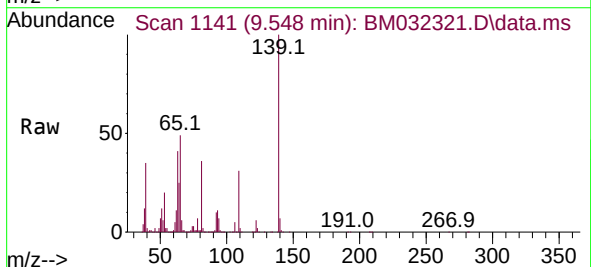
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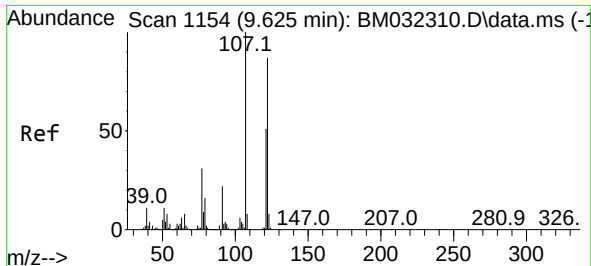
Tgt Ion: 82 Resp: 2194911
Ion Ratio Lower Upper
82 100
128 45.1 29.0 43.6#
54 49.1 45.8 68.8



#26
2-Nitrophenol
Concen: 140.304 ng
RT: 9.548 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 139 Resp: 1388749
Ion Ratio Lower Upper
139 100
109 31.4 34.8 52.2#
65 49.0 59.9 89.9#

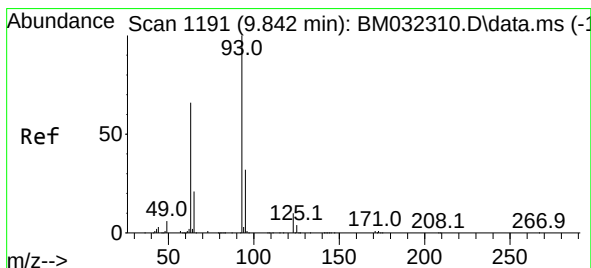
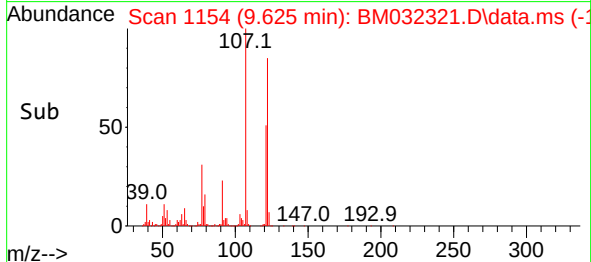
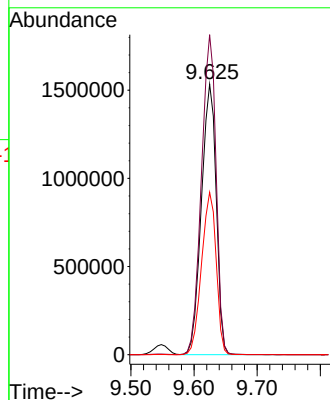
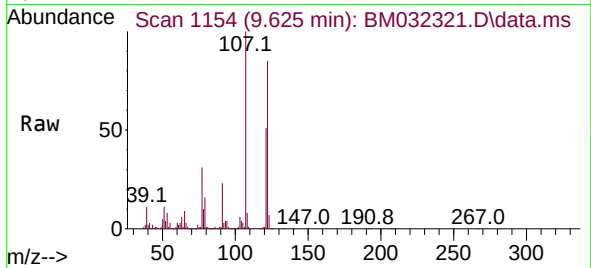




#27
2,4-Dimethylphenol
Concen: 149.882 ng
RT: 9.625 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

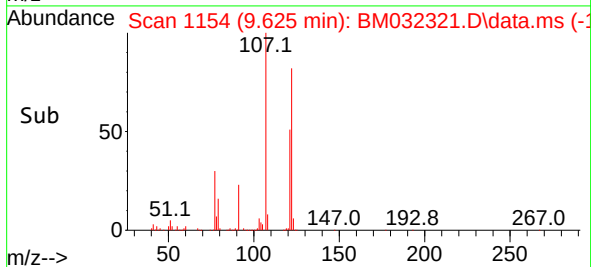
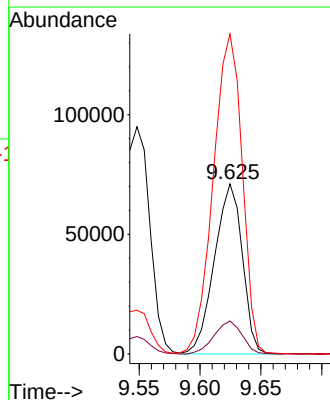
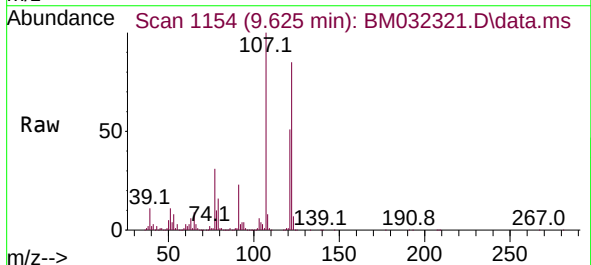
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

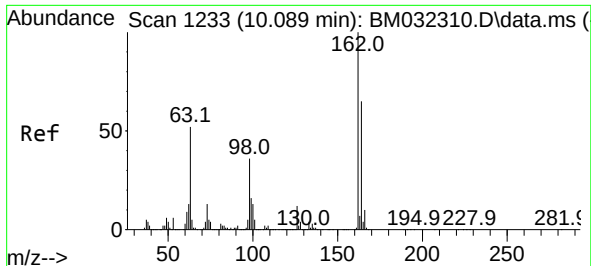
Tgt Ion:122 Resp: 2502778
Ion Ratio Lower Upper
122 100
107 118.3 100.6 150.8
121 60.0 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 4.307 ng
RT: 9.625 min Scan# 1154
Delta R.T. -0.218 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion: 93 Resp: 113488
Ion Ratio Lower Upper
93 100
95 19.4 25.8 38.8#
123 188.2 8.8 13.2#





#29

2,4-Dichlorophenol

Concen: 98.287 ng

RT: 10.083 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

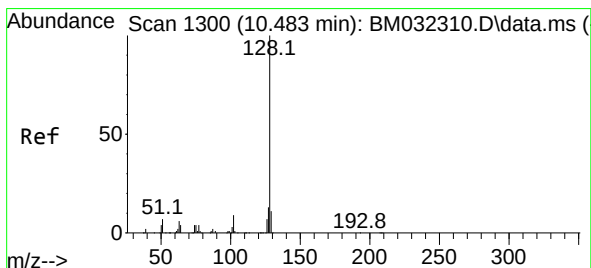
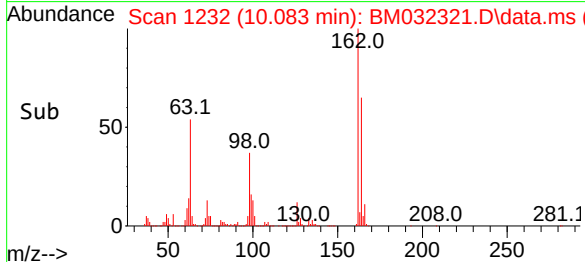
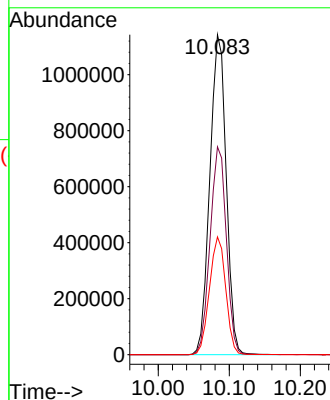
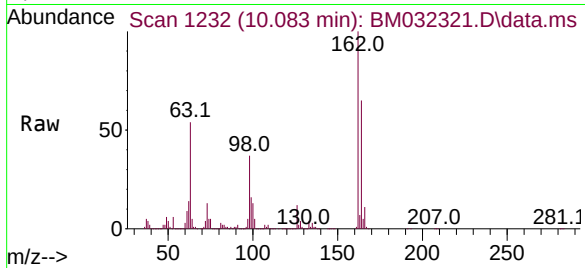
Tgt Ion:162 Resp: 1827984

Ion Ratio Lower Upper

162 100

164 64.9 47.4 87.4

98 36.8 18.9 58.9



#31

Naphthalene

Concen: 3.175 ng

RT: 10.613 min Scan# 1322

Delta R.T. 0.129 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

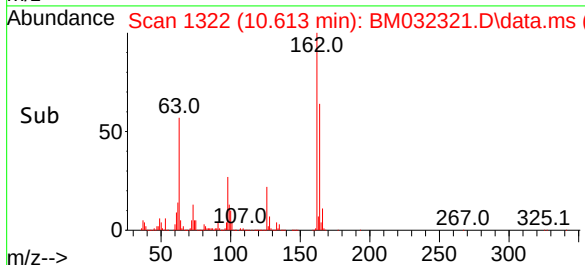
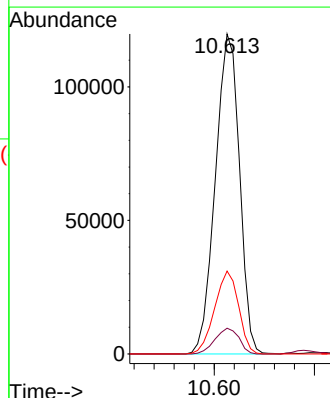
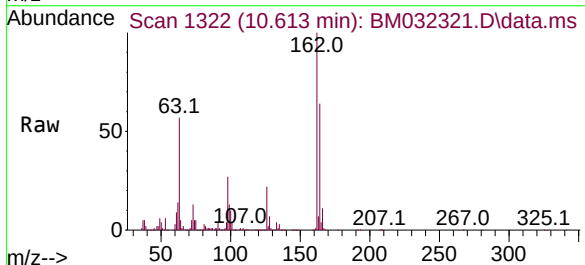
Tgt Ion:128 Resp: 199882

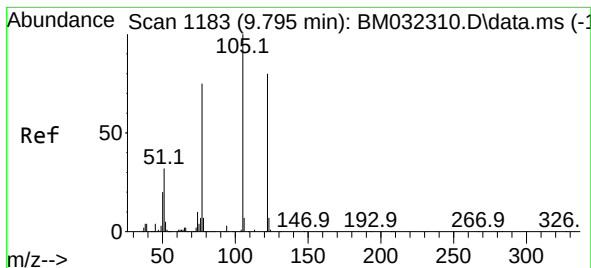
Ion Ratio Lower Upper

128 100

129 8.0 8.6 13.0#

127 25.9 10.4 15.6#





#32

Benzoic acid

Concen: 183.301 ng

RT: 9.625 min Scan# 1183

Delta R.T. -0.170 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

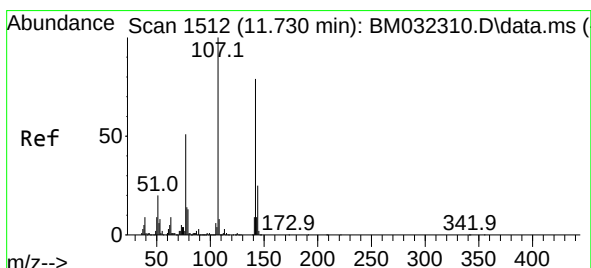
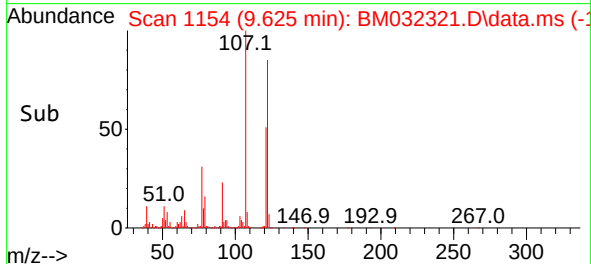
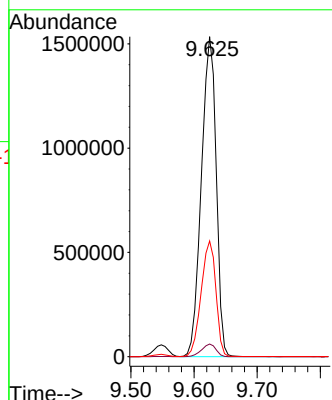
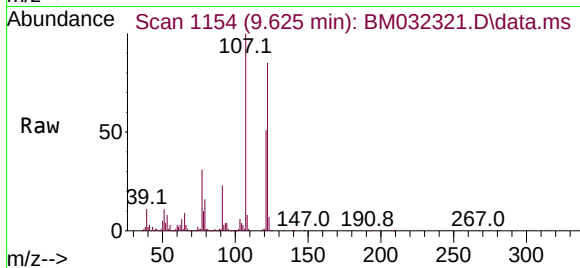
Tgt Ion:122 Resp: 2502806

Ion Ratio Lower Upper

122 100

105 4.0 120.3 160.3#

77 36.2 100.0 140.0#



#36

4-Chloro-3-methylphenol

Concen: 85.310 ng

RT: 11.725 min Scan# 1511

Delta R.T. -0.006 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

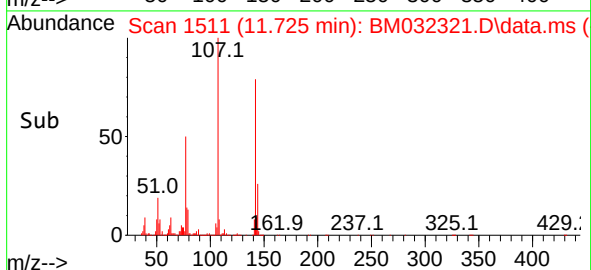
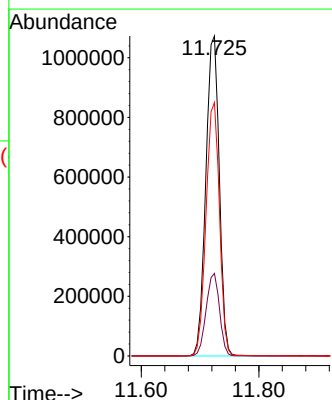
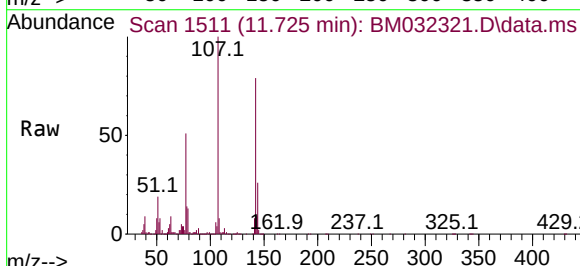
Tgt Ion:107 Resp: 1708145

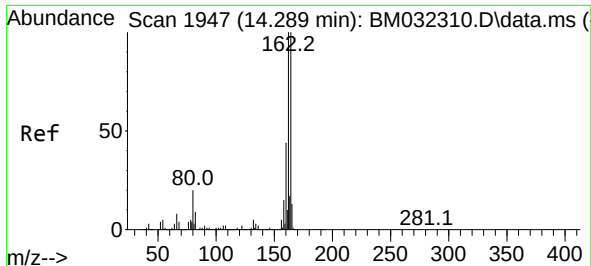
Ion Ratio Lower Upper

107 100

144 25.8 19.3 28.9

142 79.2 60.5 90.7

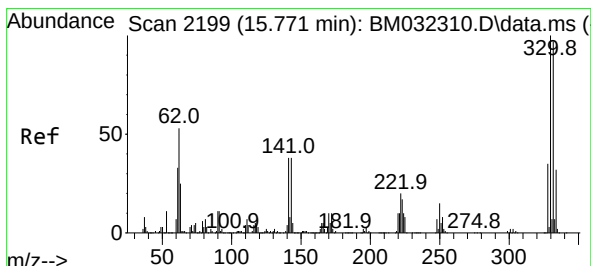
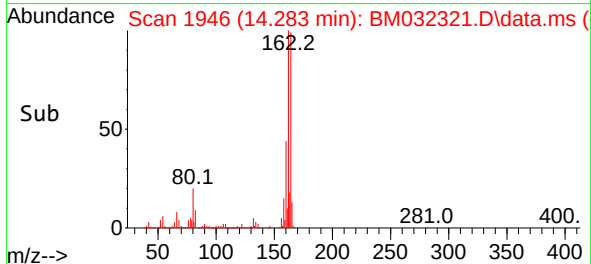
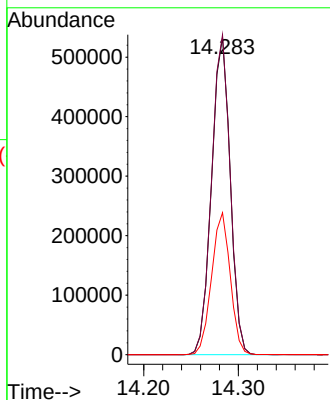
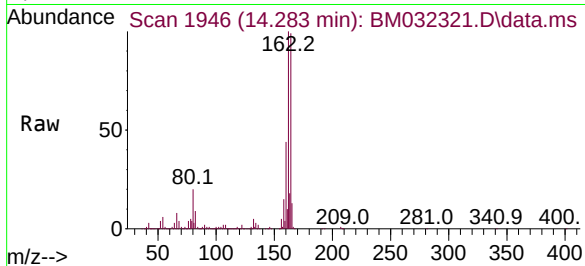




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.283 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

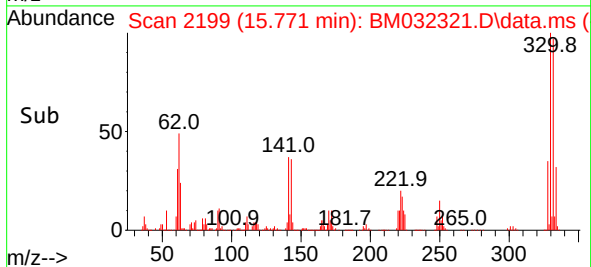
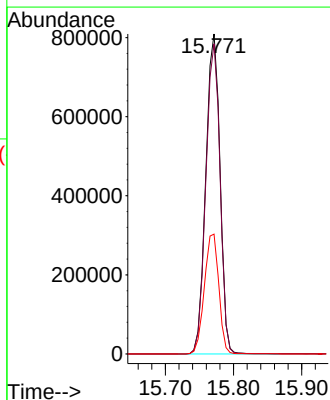
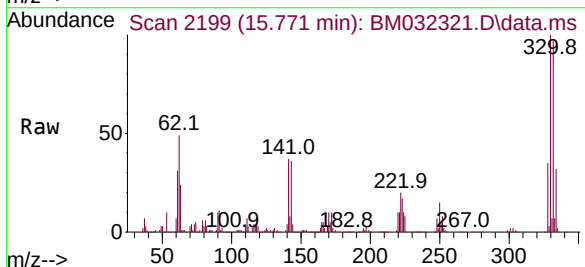
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

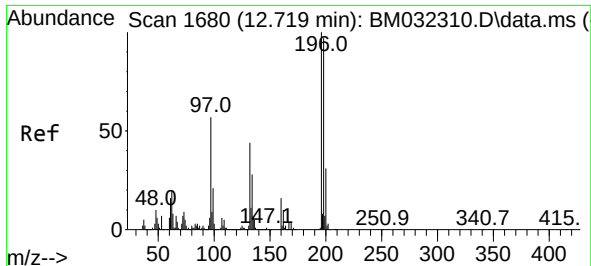
Tgt Ion:164 Resp: 730043
Ion Ratio Lower Upper
164 100
162 100.9 80.6 121.0
160 44.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 143.823 ng
RT: 15.771 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:330 Resp: 1175440
Ion Ratio Lower Upper
330 100
332 96.7 75.7 113.5
141 38.0 50.7 76.1#

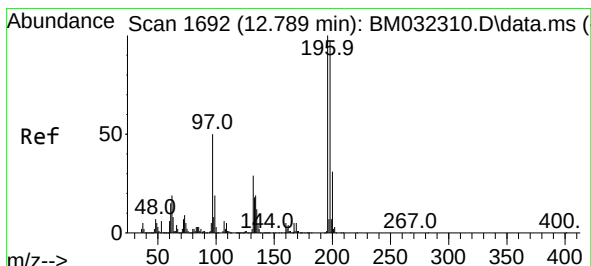
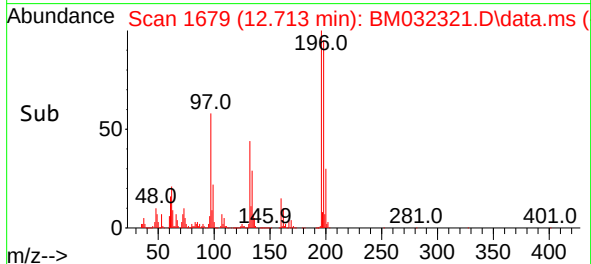
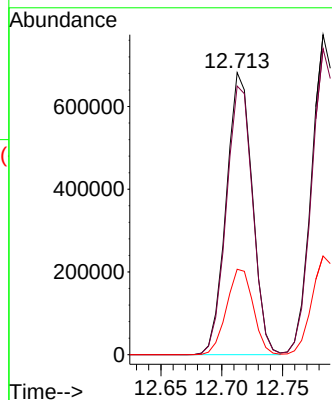
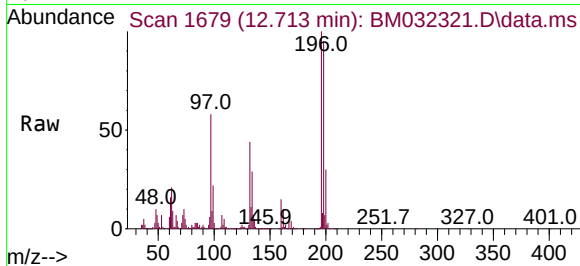




#43
2,4,6-Trichlorophenol
Concen: 70.004 ng
RT: 12.713 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

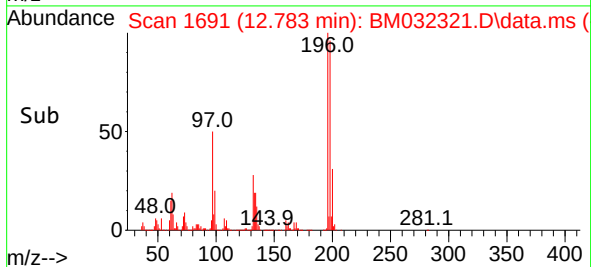
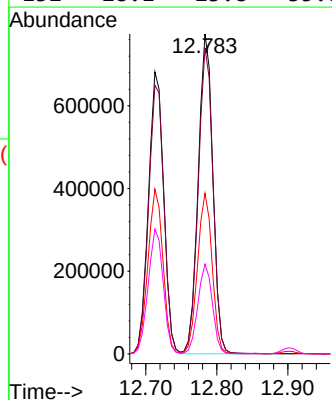
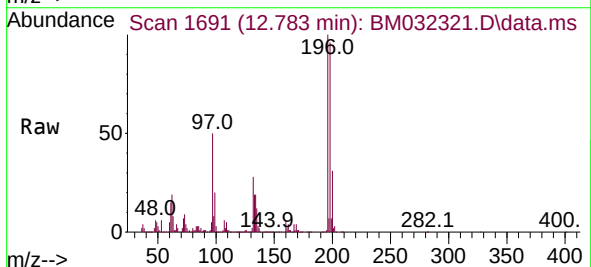
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

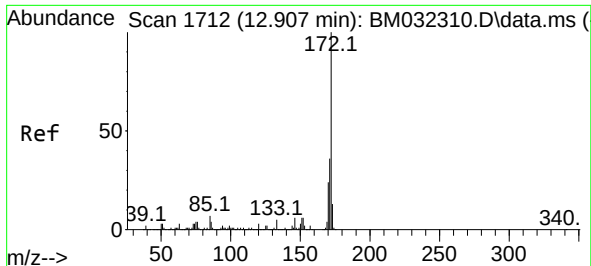
Tgt Ion:196 Resp: 1018589
Ion Ratio Lower Upper
196 100
198 95.3 73.6 110.4
200 30.3 22.1 33.1



#44
2,4,5-Trichlorophenol
Concen: 71.164 ng
RT: 12.783 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:196 Resp: 1113038
Ion Ratio Lower Upper
196 100
198 95.6 77.0 115.4
97 50.3 53.9 80.9#
132 28.1 23.8 35.8

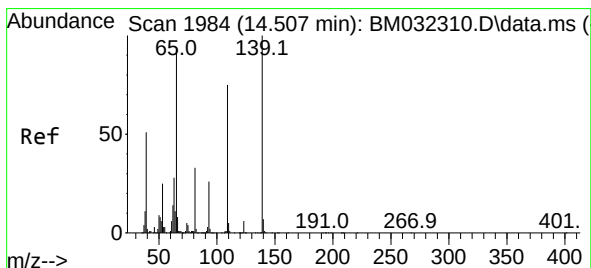
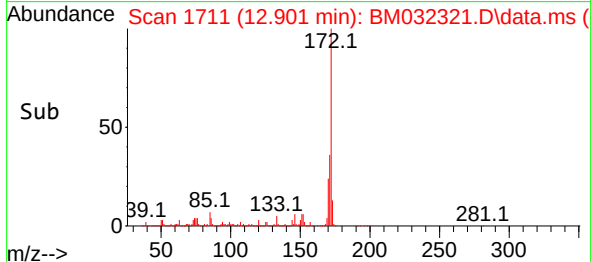
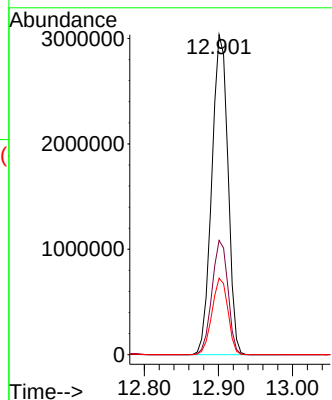
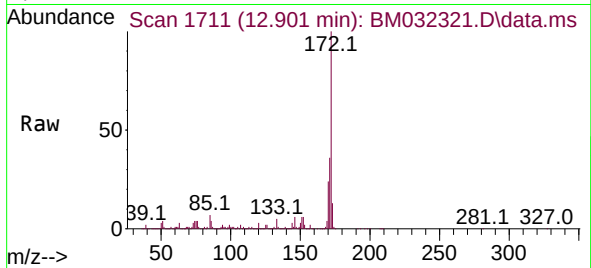




#45
2-Fluorobiphenyl
Concen: 93.518 ng
RT: 12.901 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

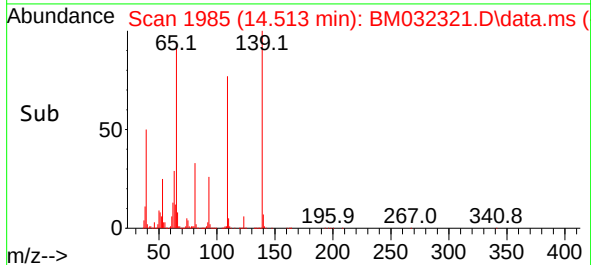
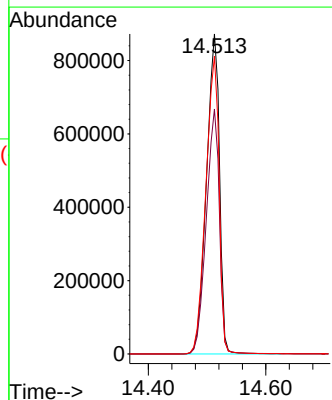
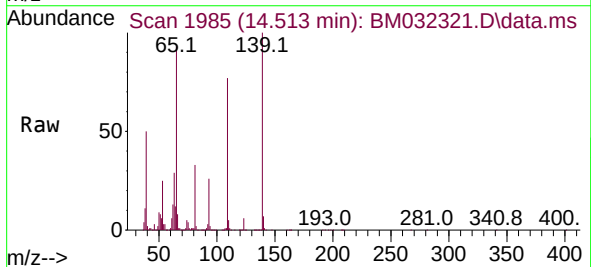
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

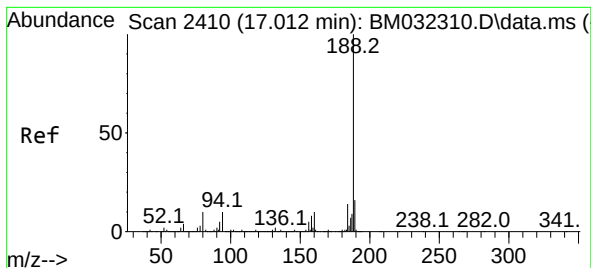
Tgt Ion:172 Resp: 4591772
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.9 18.6 27.8



#56
4-Nitrophenol
Concen: 139.692 ng
RT: 14.513 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:139 Resp: 1351774
Ion Ratio Lower Upper
139 100
109 76.6 92.3 132.3#
65 93.1 110.5 150.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.012 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

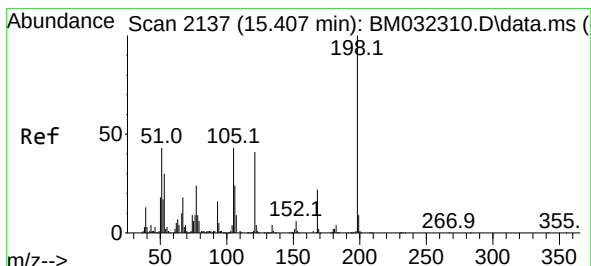
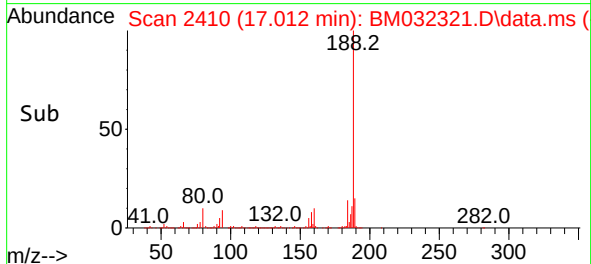
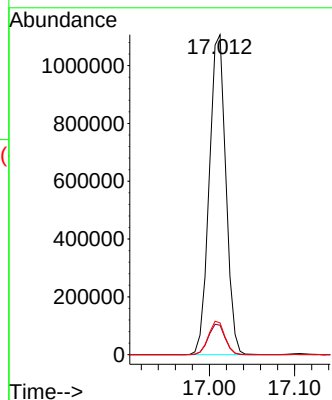
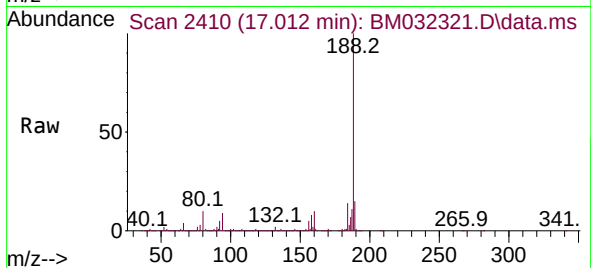
Tgt Ion:188 Resp: 1500876

Ion Ratio Lower Upper

188 100

94 9.2 6.3 9.5

80 10.0 7.3 10.9



#65

4,6-Dinitro-2-methylphenol

Concen: 87.364 ng

RT: 15.407 min Scan# 2137

Delta R.T. -0.000 min

Lab File: BM032321.D

Acq: 04 Oct 2021 13:28

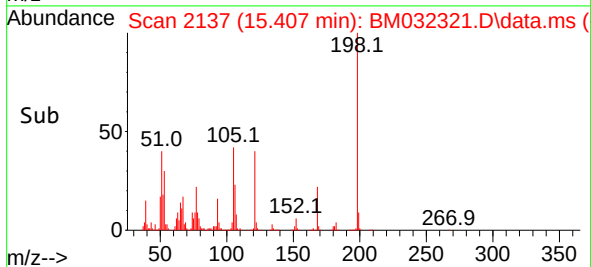
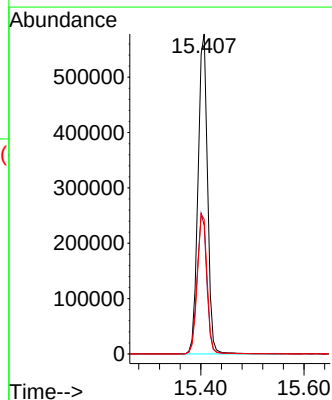
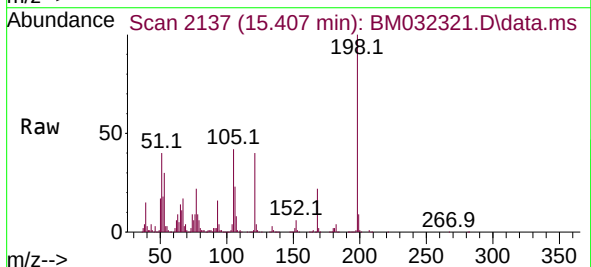
Tgt Ion:198 Resp: 738023

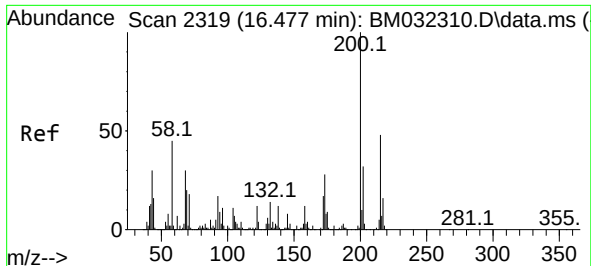
Ion Ratio Lower Upper

198 100

51 40.1 49.7 89.7#

105 42.1 34.9 74.9

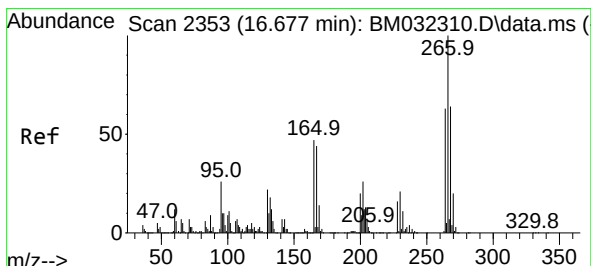
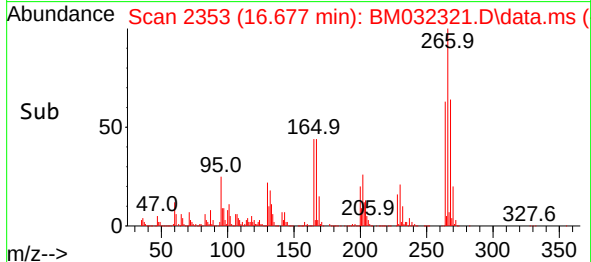
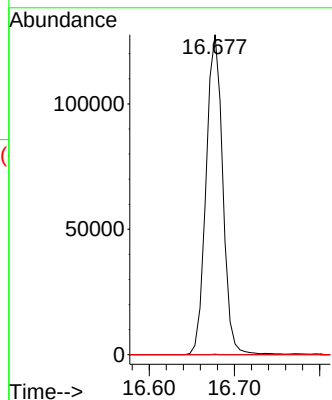
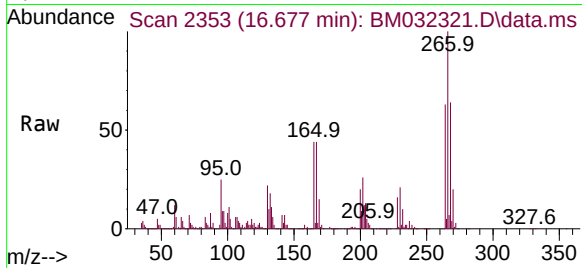




#69
 Atrazine
 Concen: 11.471 ng
 RT: 16.677 min Scan# 21
 Delta R.T. 0.200 min
 Lab File: BM032321.D
 Acq: 04 Oct 2021 13:28

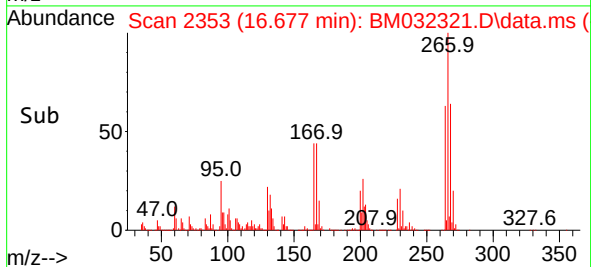
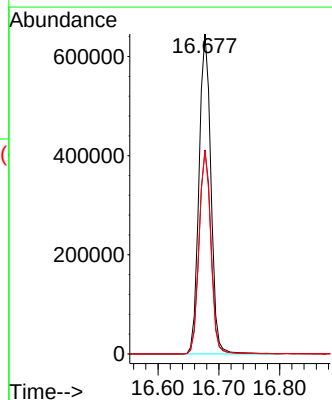
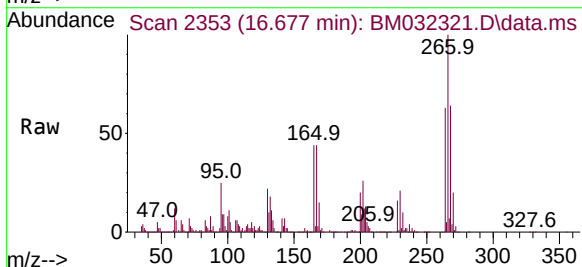
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

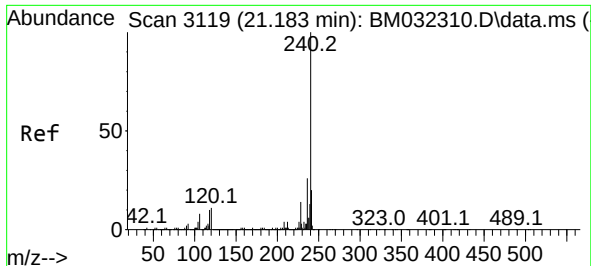
Tgt Ion:200 Resp: 173119
 Ion Ratio Lower Upper
 200 100
 173 0.0 5.8 45.8#
 215 0.2 23.6 63.6#



#70
 Pentachlorophenol
 Concen: 82.384 ng
 RT: 16.677 min Scan# 2353
 Delta R.T. -0.000 min
 Lab File: BM032321.D
 Acq: 04 Oct 2021 13:28

Tgt Ion:266 Resp: 874366
 Ion Ratio Lower Upper
 266 100
 268 63.7 50.3 75.5
 264 63.5 52.1 78.1

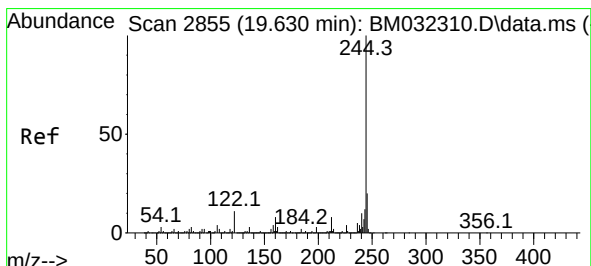
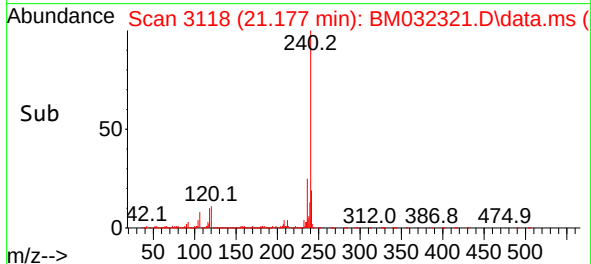
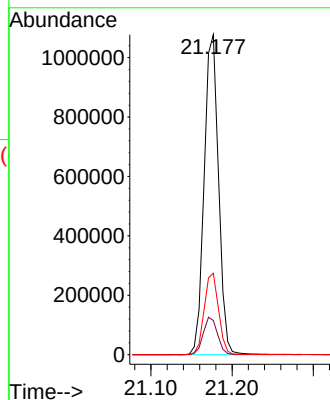
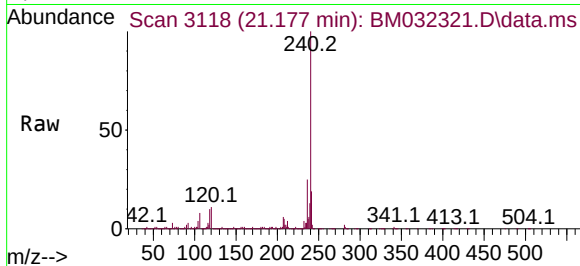




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.177 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

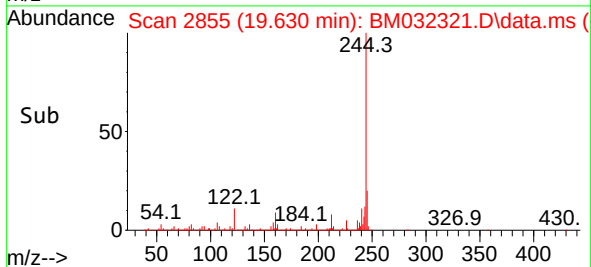
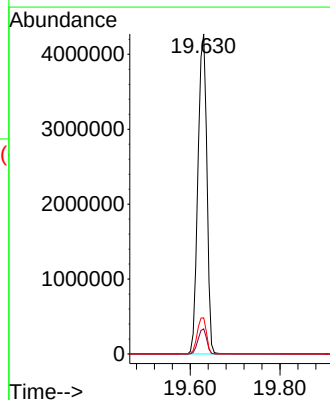
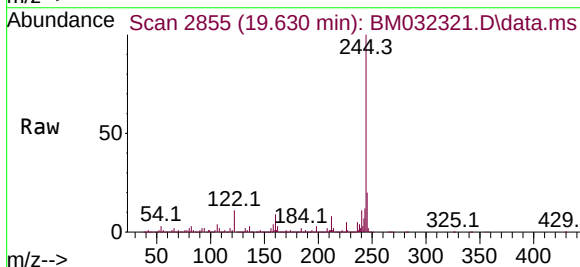
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

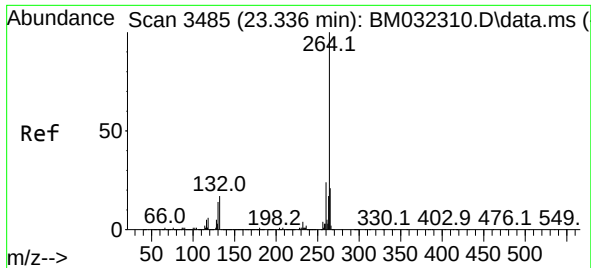
Tgt Ion:240 Resp: 1325406
Ion Ratio Lower Upper
240 100
120 10.7 7.8 11.6
236 25.5 20.9 31.3



#79
Terphenyl-d14
Concen: 93.460 ng
RT: 19.630 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Tgt Ion:244 Resp: 5881788
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 11.3 8.7 13.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.330 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM032321.D
Acq: 04 Oct 2021 13:28

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:264 Resp: 1220964

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.7	18.3	27.5

