

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035154.D
 Acq On : 19 May 2022 15:48
 Operator : CG/JU
 Sample : N2902-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WASTE-WATER-5/16/22

Quant Time: May 20 04:55:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

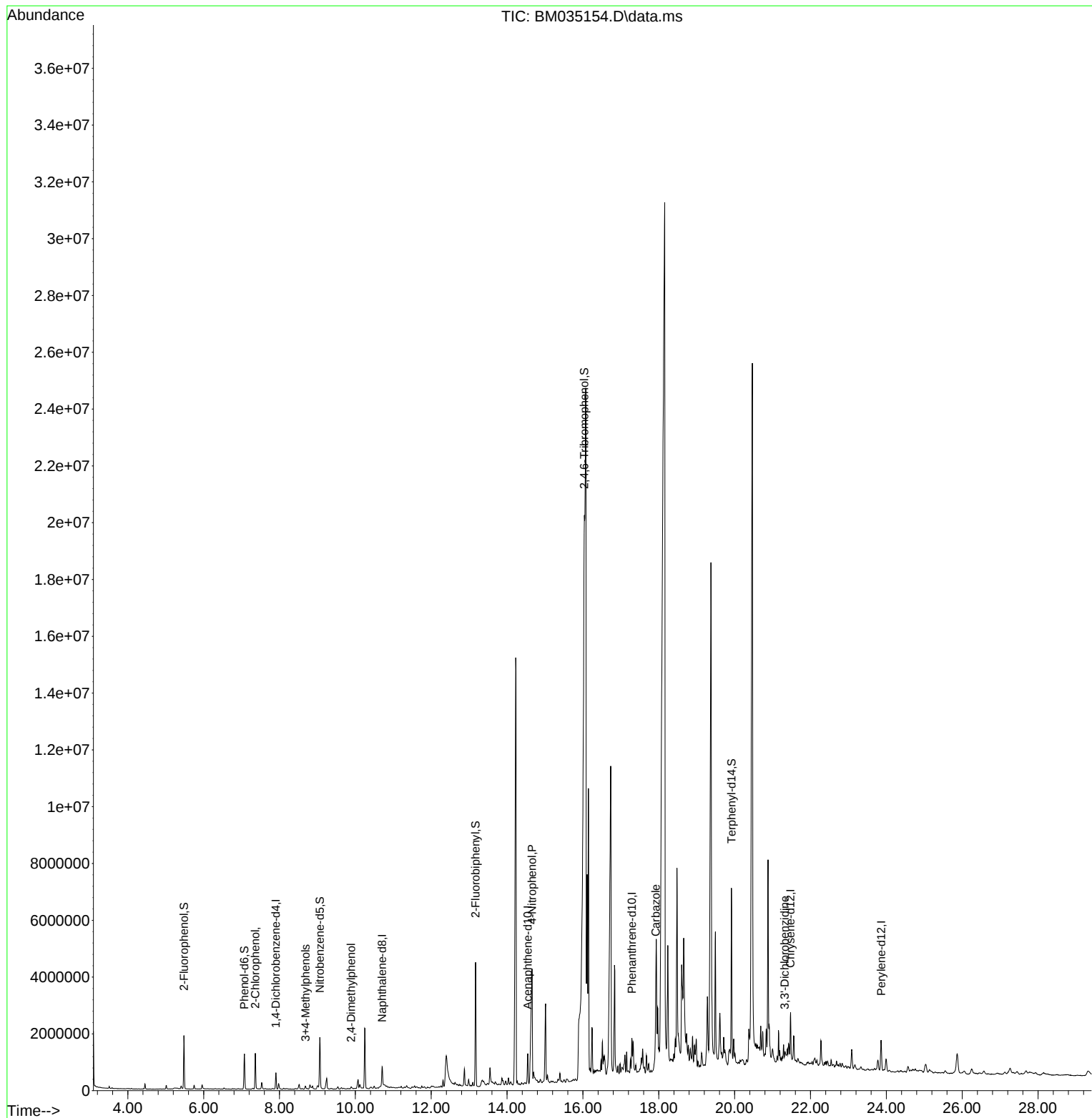
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	144581	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	571381	20.000	ng	# 0.00
39) Acenaphthene-d10	14.545	164	340912	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	703983	20.000	ng	0.00
76) Chrysene-d12	21.474	240	745186	20.000	ng	0.00
86) Perylene-d12	23.862	264	782020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	698238	85.201	ng	0.00
7) Phenol-d6	7.075	99	635107	60.032	ng	0.00
23) Nitrobenzene-d5	9.063	82	969617	91.639	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	578489	155.993	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	2053472	87.441	ng	0.00
79) Terphenyl-d14	19.915	244	2647868	68.799	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.363	128	21998	2.412	ng	# 36
20) 3+4-Methylphenols	8.687	107	36902	3.671	ng	90
27) 2,4-Dimethylphenol	9.886	122	17852	2.493	ng	98
56) 4-Nitrophenol	14.657	139	17953	3.959	ng	84
73) Carbazole	17.921	167	139155	4.022	ng	# 71
82) 3,3'-Dichlorobenzidine	21.321	252	41365	2.854	ng	# 30

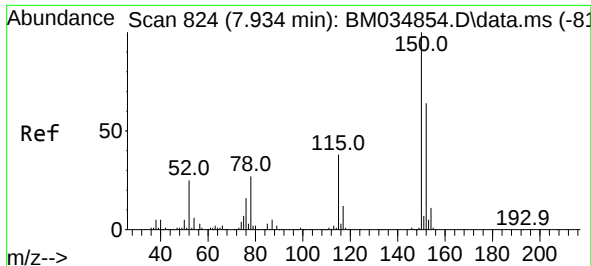
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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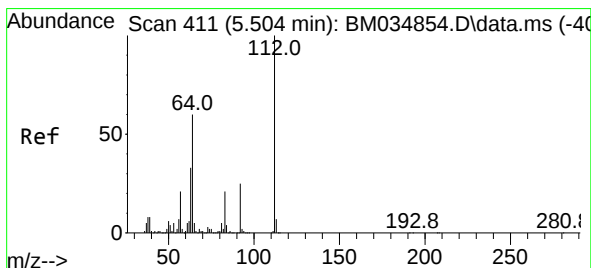
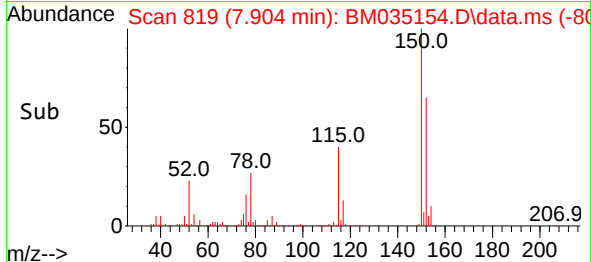
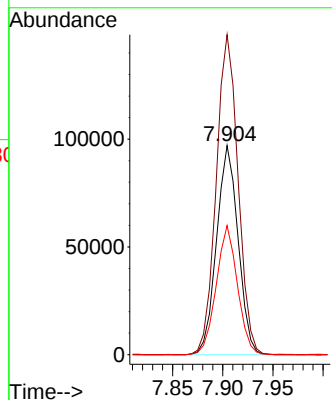
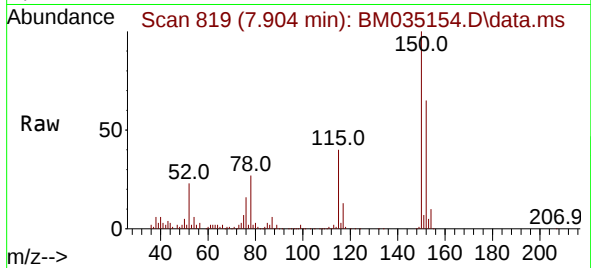




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

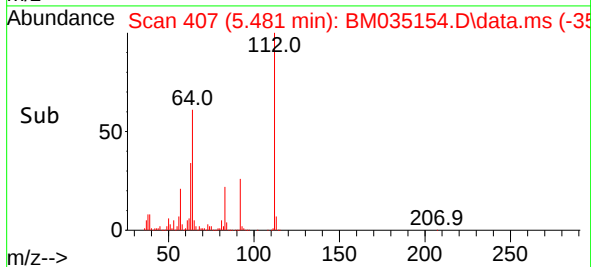
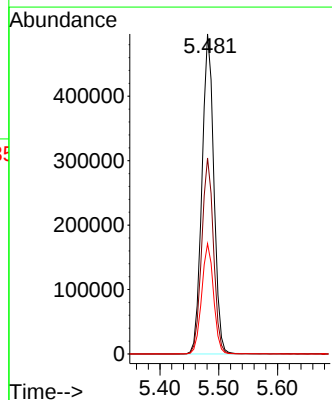
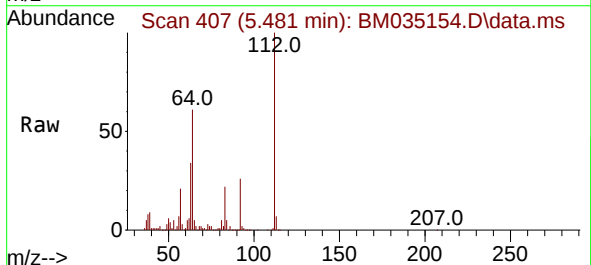
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

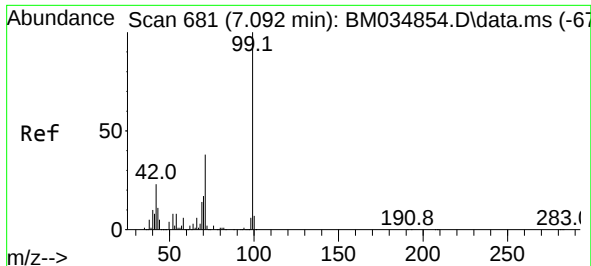
Tgt Ion:152 Resp: 144581
Ion Ratio Lower Upper
152 100
150 153.0 124.9 187.3
115 61.7 47.9 71.9



#5
2-Fluorophenol
Concen: 85.201 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:112 Resp: 698238
Ion Ratio Lower Upper
112 100
64 61.3 47.8 71.6
63 34.4 26.6 40.0

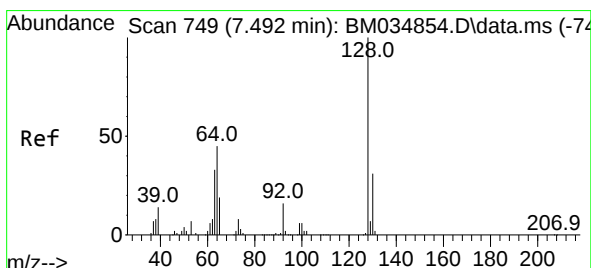
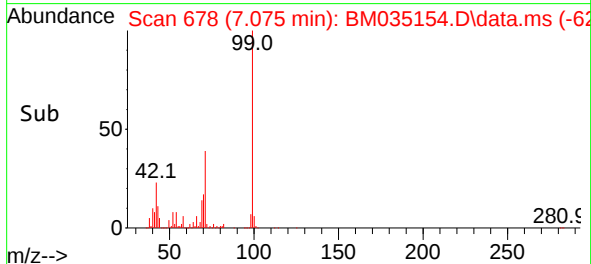
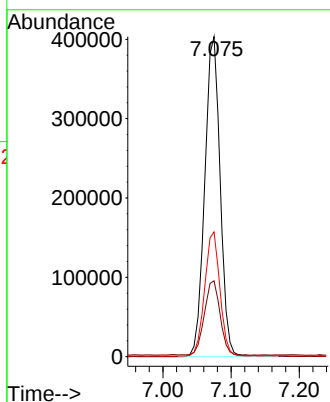
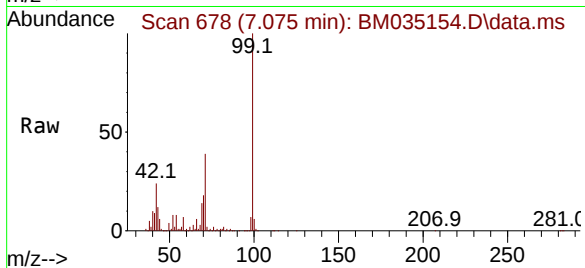




#7
Phenol-d6
Concen: 60.032 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

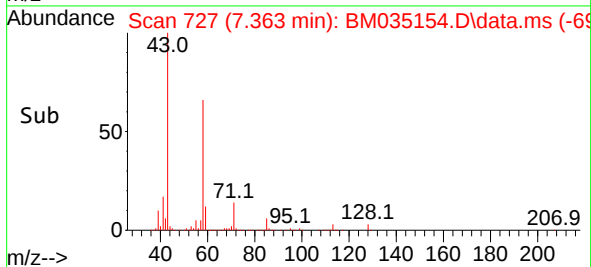
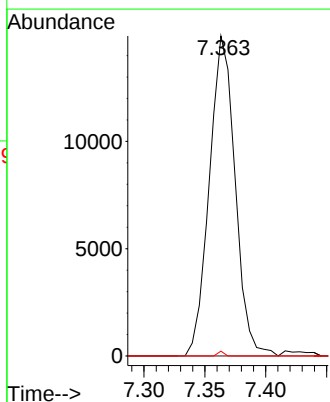
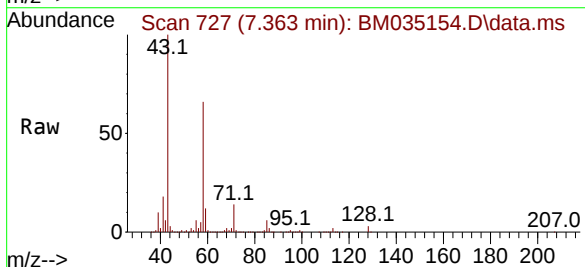
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

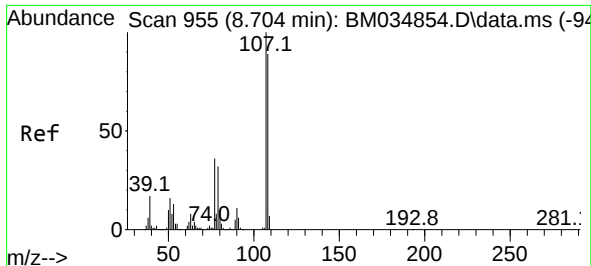
Tgt Ion: 99 Resp: 635107
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 39.0 30.2 45.2



#8
2-Chlorophenol
Concen: 2.412 ng
RT: 7.363 min Scan# 727
Delta R.T. -0.106 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:128 Resp: 21998
Ion Ratio Lower Upper
128 100
130 0.0 10.9 50.9#
64 1.5 28.2 68.2#

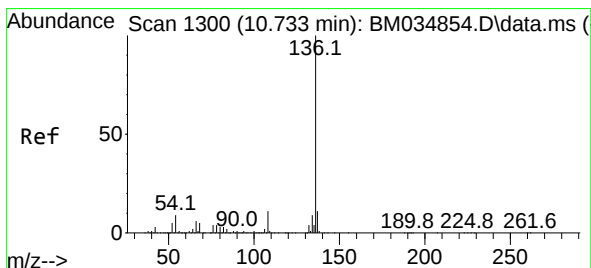
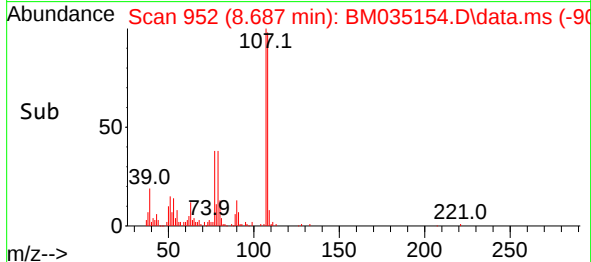
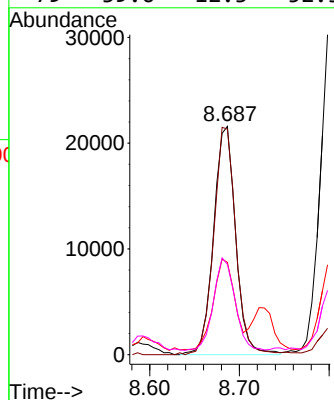
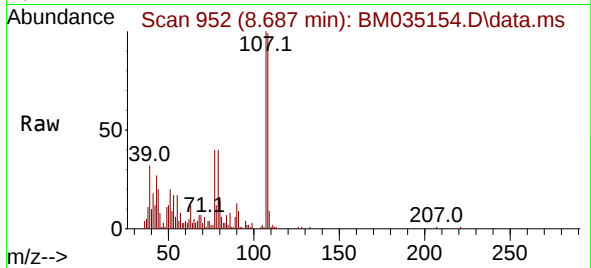




#20
3+4-Methylphenols
Concen: 3.671 ng
RT: 8.687 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

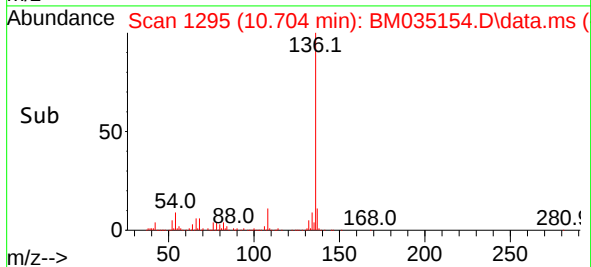
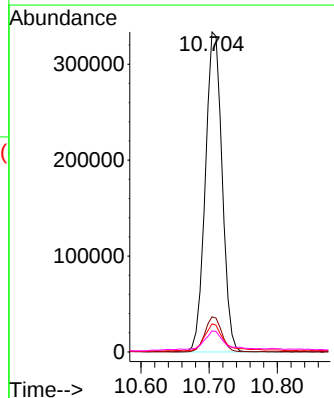
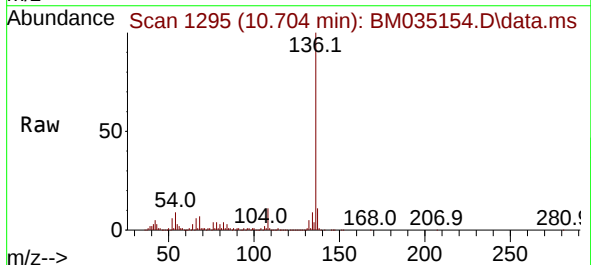
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

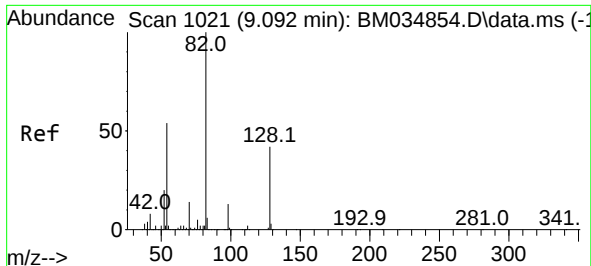
Tgt Ion:	107	Resp:	36902
Ion	Ratio	Lower	Upper
107	100		
108	98.8	69.3	109.3
77	40.4	15.8	55.8
79	39.6	12.3	52.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:	136	Resp:	571381
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	7.0	10.4
68	6.6	4.3	6.5

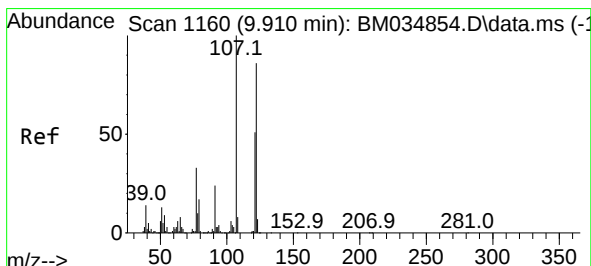
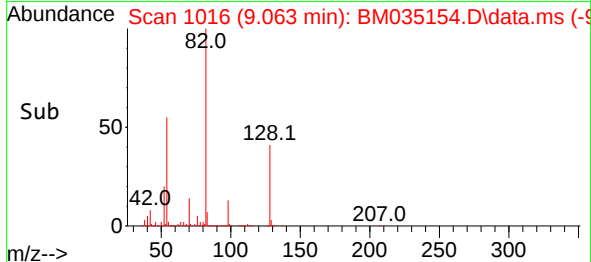
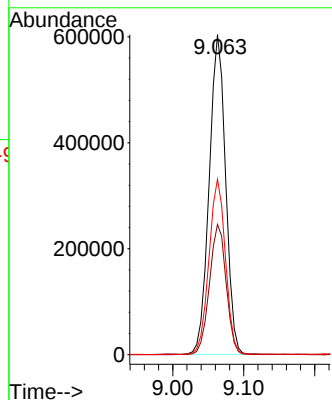
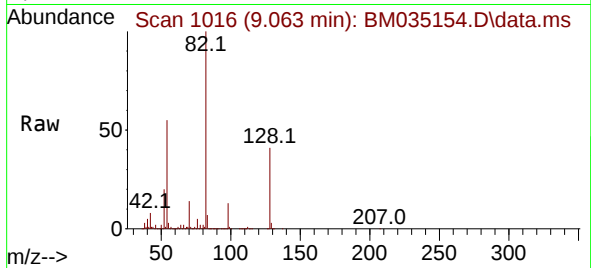




#23
Nitrobenzene-d5
Concen: 91.639 ng
RT: 9.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

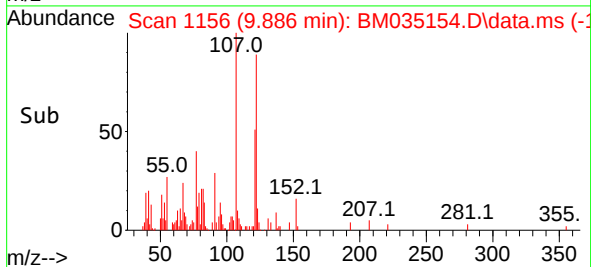
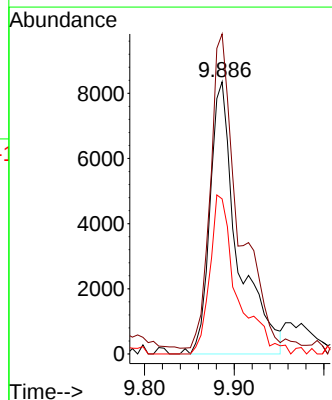
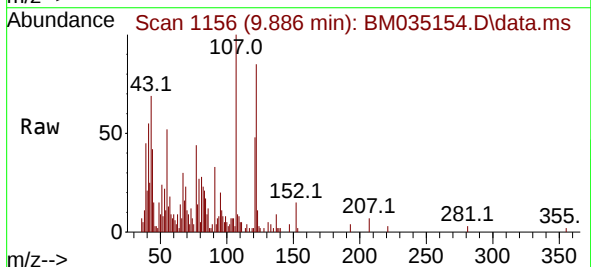
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

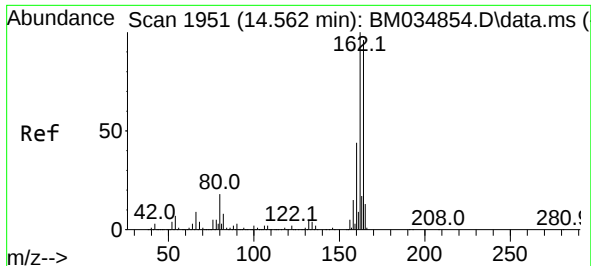
Tgt Ion: 82 Resp: 969617
Ion Ratio Lower Upper
82 100
128 40.7 33.7 50.5
54 54.9 43.2 64.8



#27
2,4-Dimethylphenol
Concen: 2.493 ng
RT: 9.886 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:122 Resp: 17852
Ion Ratio Lower Upper
122 100
107 117.6 92.4 138.6
121 57.0 47.4 71.0

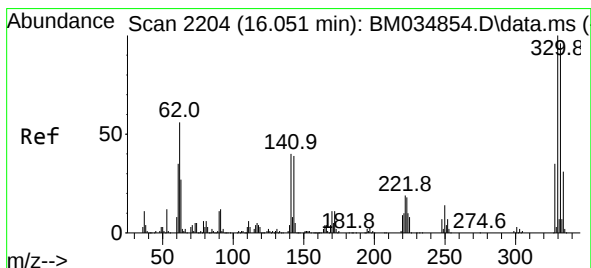
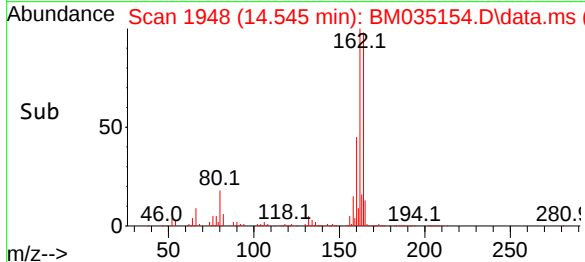
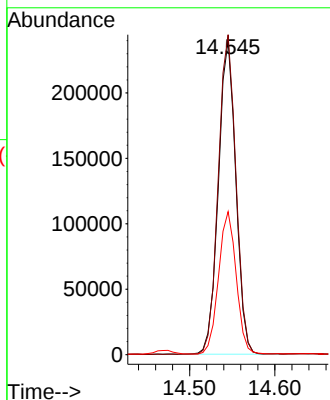
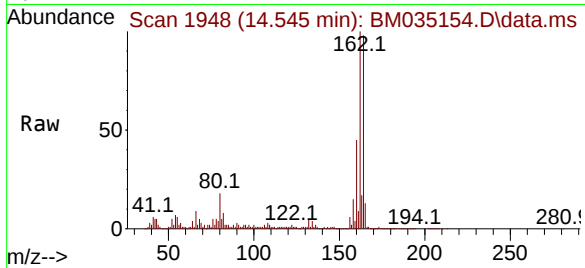




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

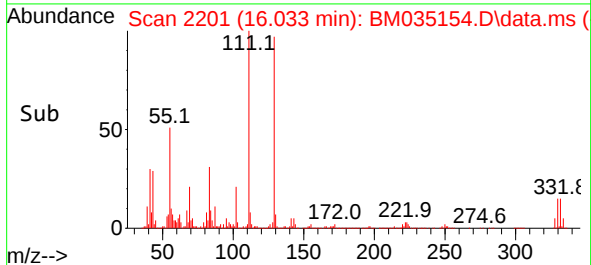
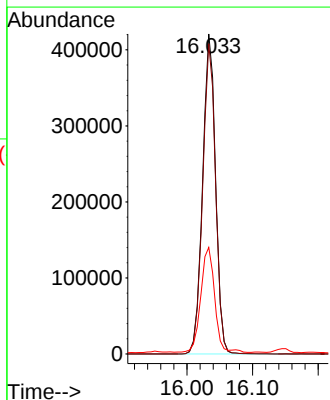
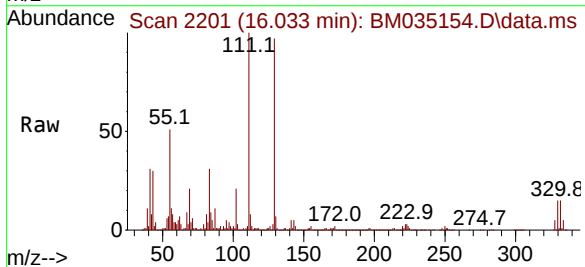
Instrument :
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ClientSampleId :
WASTE-WATER-5/16/22

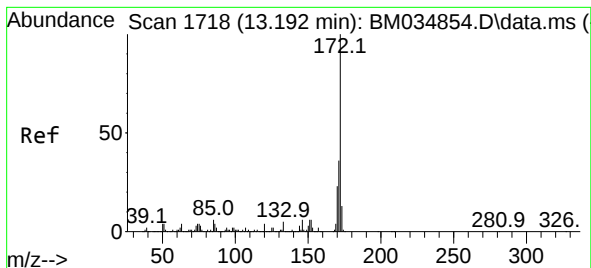
Tgt Ion:164 Resp: 340912
Ion Ratio Lower Upper
164 100
162 101.9 83.0 124.6
160 45.6 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 155.993 ng
RT: 16.033 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:330 Resp: 578489
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 35.2 35.3 52.9#





#45

2-Fluorobiphenyl

Concen: 87.441 ng

RT: 13.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM035154.D

Acq: 19 May 2022 15:48

Instrument :

BNA_M

ClientSampleId :

WASTE-WATER-5/16/22

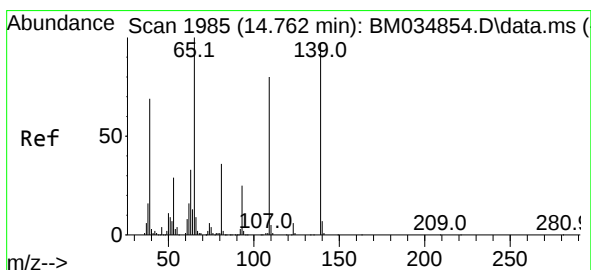
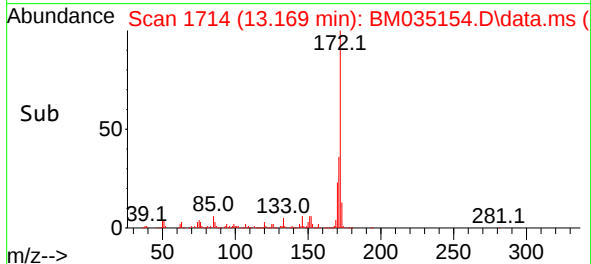
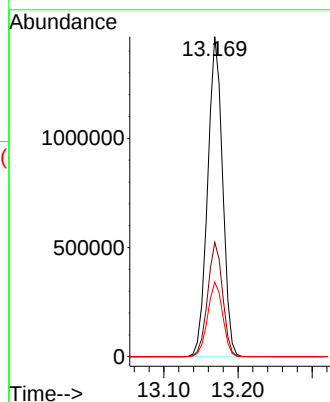
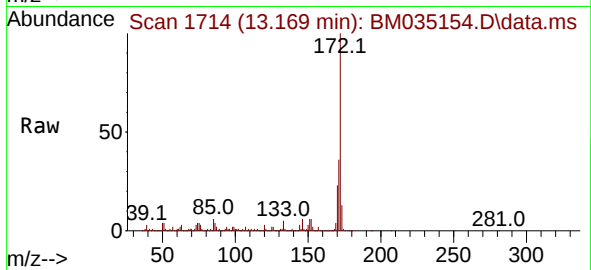
Tgt Ion:172 Resp: 2053472

Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

170 23.3 18.7 28.1



#56

4-Nitrophenol

Concen: 3.959 ng

RT: 14.657 min Scan# 1967

Delta R.T. -0.094 min

Lab File: BM035154.D

Acq: 19 May 2022 15:48

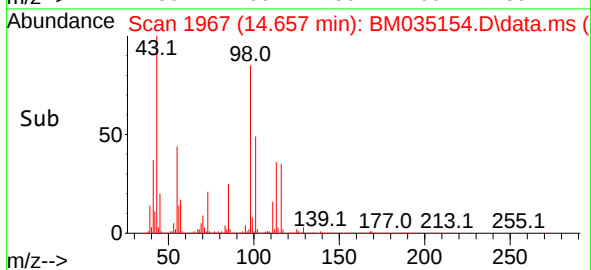
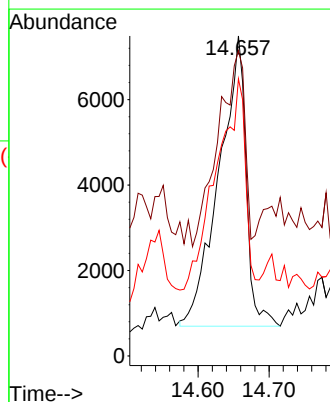
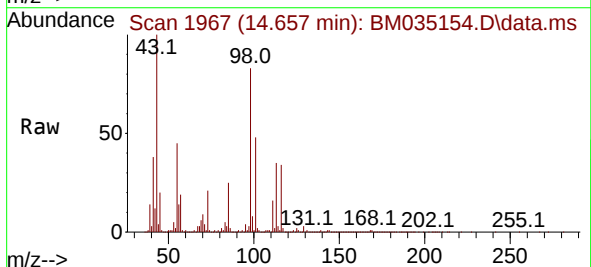
Tgt Ion:139 Resp: 17953

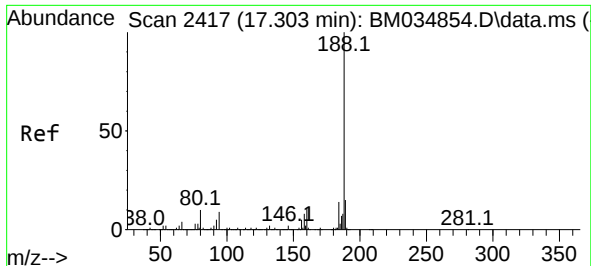
Ion Ratio Lower Upper

139 100

109 95.4 62.5 102.5

65 86.6 83.5 123.5

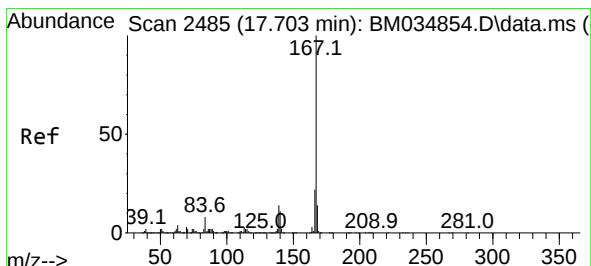
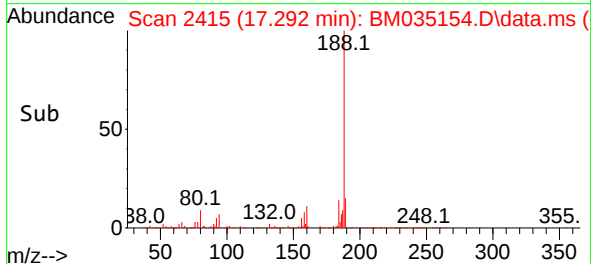
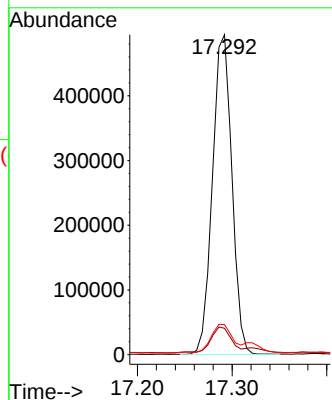
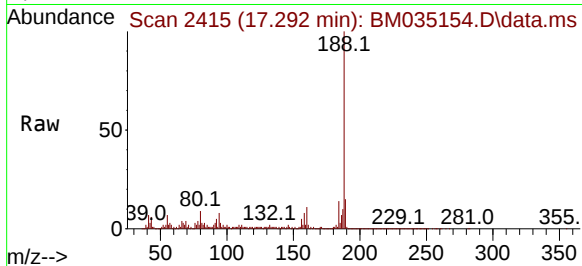




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

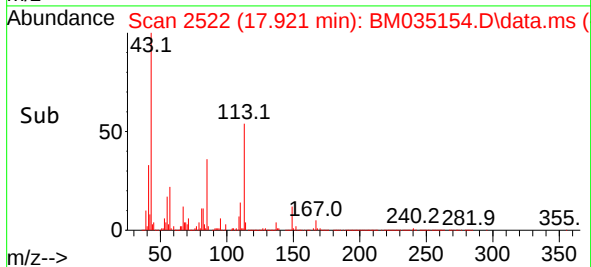
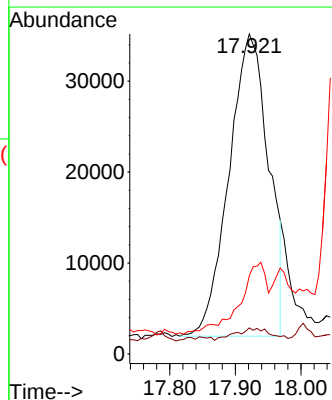
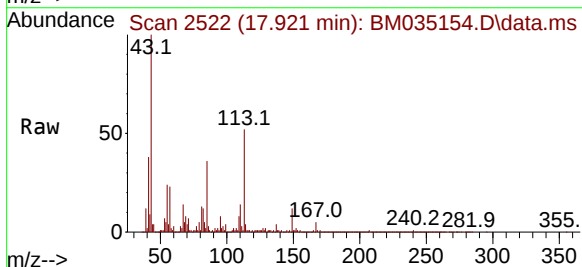
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

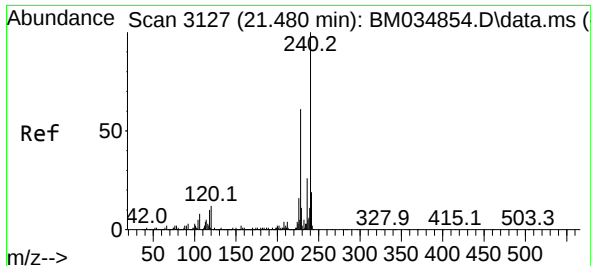
Tgt Ion:188 Resp: 703983
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.4 7.6 11.4



#73
Carbazole
Concen: 4.022 ng
RT: 17.921 min Scan# 2522
Delta R.T. 0.235 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:167 Resp: 139155
Ion Ratio Lower Upper
167 100
166 8.2 17.8 26.8#
139 24.5 10.9 16.3#

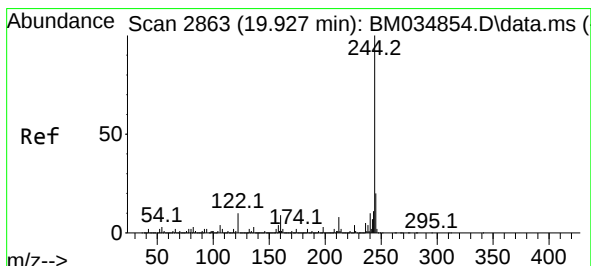
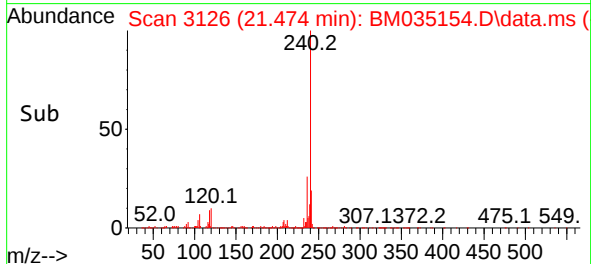
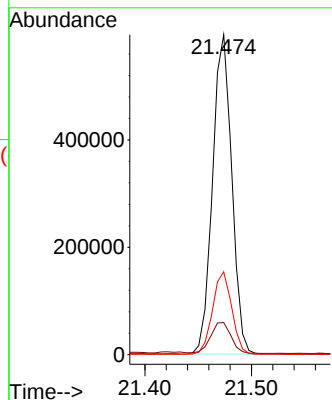
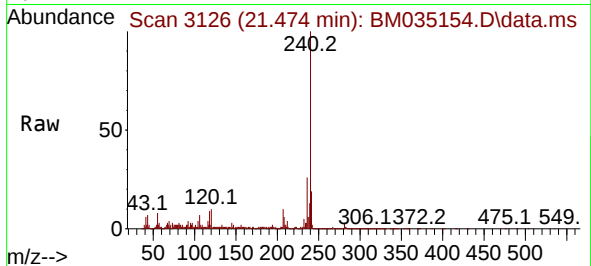




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

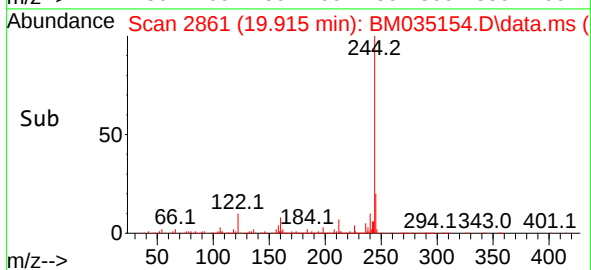
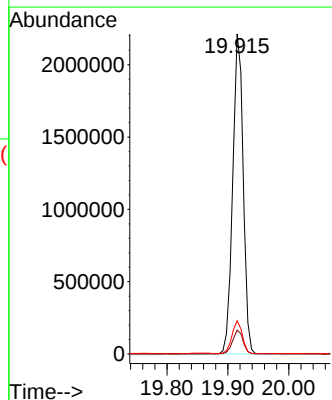
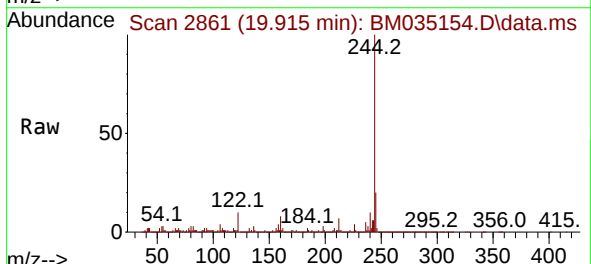
Instrument :
BNA_M
ClientSampleId :
WASTE-WATER-5/16/22

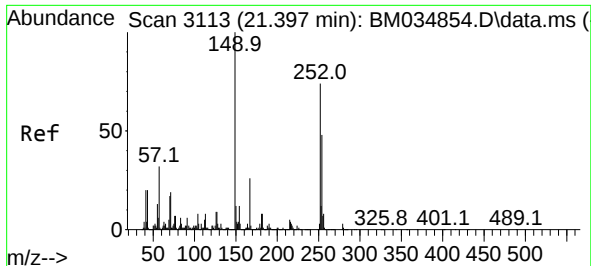
Tgt Ion:240 Resp: 745186
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.0
236 25.9 20.6 30.8



#79
Terphenyl-d14
Concen: 68.799 ng
RT: 19.915 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BM035154.D
Acq: 19 May 2022 15:48

Tgt Ion:244 Resp: 2647868
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 10.4 8.3 12.5

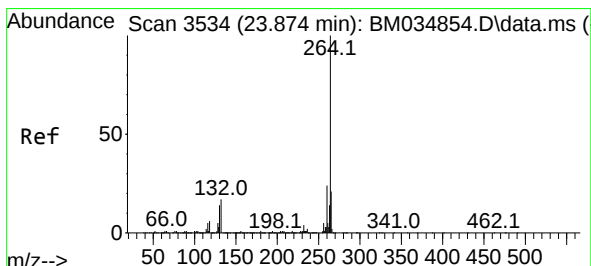
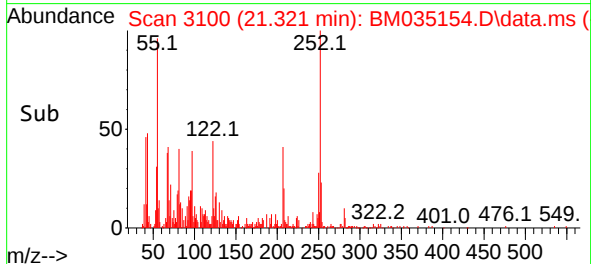
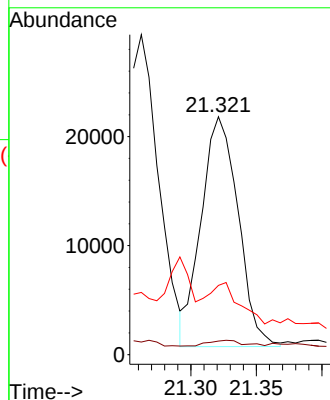
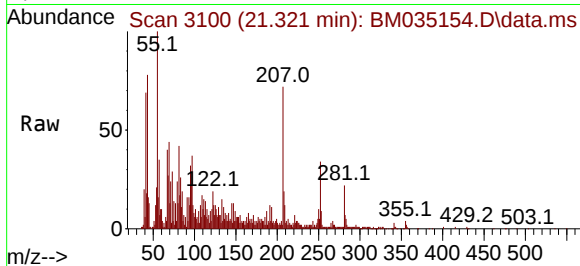




#82
 3,3'-Dichlorobenzidine
 Concen: 2.854 ng
 RT: 21.321 min Scan# 3113
 Delta R.T. -0.065 min
 Lab File: BM035154.D
 Acq: 19 May 2022 15:48

Instrument :
 BNA_M
 ClientSampleId :
 WASTE-WATER-5/16/22

Tgt Ion:252 Resp: 41365
 Ion Ratio Lower Upper
 252 100
 254 5.7 51.7 77.5#
 126 29.1 9.4 14.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.862 min Scan# 3532
 Delta R.T. 0.006 min
 Lab File: BM035154.D
 Acq: 19 May 2022 15:48

Tgt Ion:264 Resp: 782020
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.9 28.3
 265 22.1 17.5 26.3

