

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
 Data File : BM049681.D
 Acq On : 28 Feb 2025 16:36
 Operator : RC/JU
 Sample : Q1456-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE WATER

Quant Time: Feb 28 17:10:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

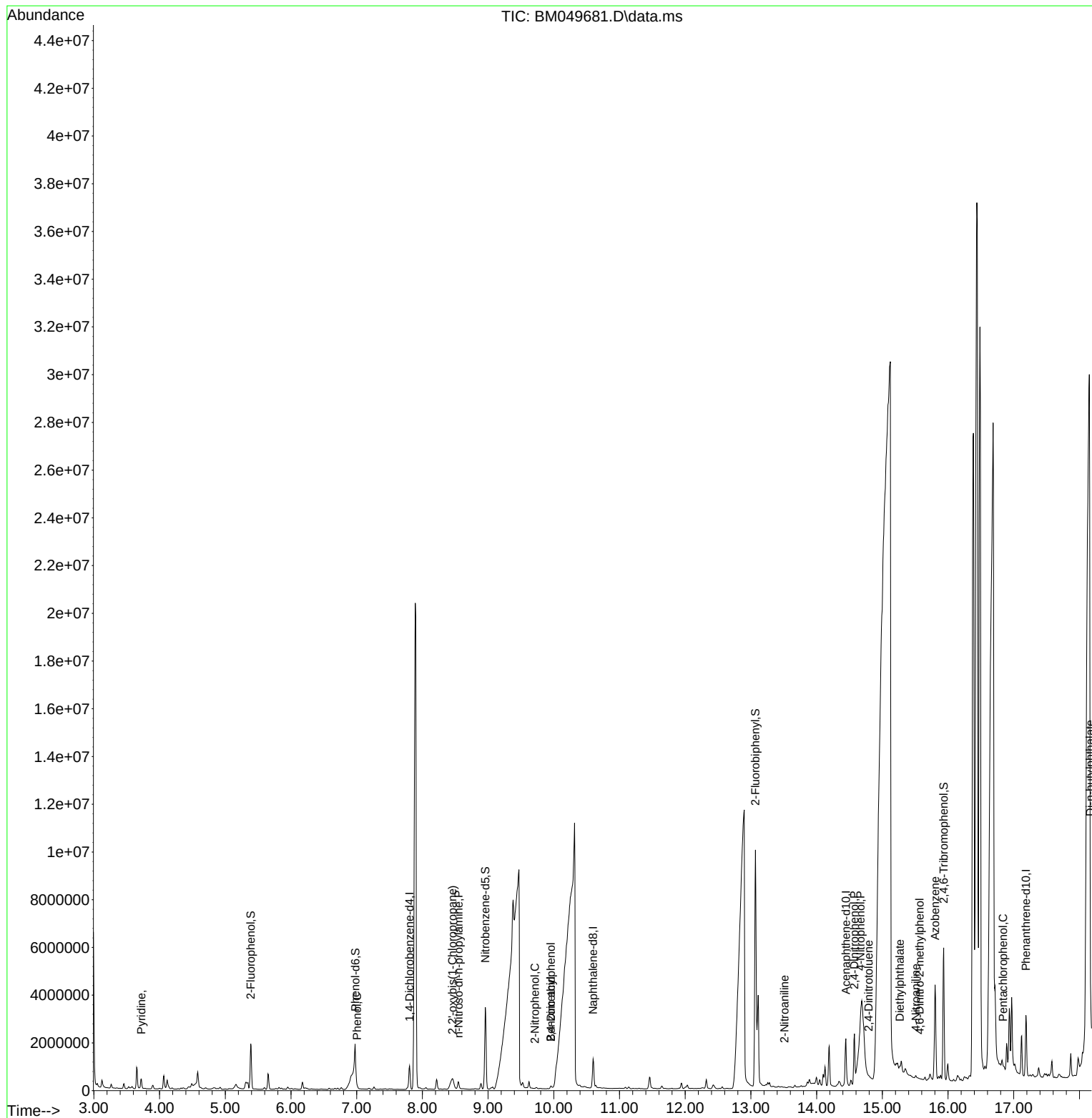
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	262882	20.000	ng	-0.02
21) Naphthalene-d8	10.598	136	956753	20.000	ng	-0.03
39) Acenaphthene-d10	14.445	164	659772	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1424347	20.000	ng	-0.02
76) Chrysene-d12	21.427	240	1790067	20.000	ng	-0.02
86) Perylene-d12	24.439	264	1614006	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	762276	46.630	ng	0.00
7) Phenol-d6	6.981	99	619987	28.948	ng	0.00
23) Nitrobenzene-d5	8.957	82	1904665	102.399	ng	-0.02
42) 2,4,6-Tribromophenol	15.933	330	972101	124.345	ng	-0.02
45) 2-Fluorobiphenyl	13.069	172	4847076	95.172	ng	-0.02
79) Terphenyl-d14	19.815	244	10036283	85.616	ng	-0.02
Target Compounds						
3) Pyridine	3.722	79	104155	5.453	ng	# 1
10) Phenol	7.004	94	58662	2.781	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.457	45	63595	2.768	ng	82
19) n-Nitroso-di-n-propyla...	8.551	70	40347	2.877	ng	# 74
26) 2-Nitrophenol	9.710	139	432	2.063	ng	# 1
27) 2,4-Dimethylphenol	9.957	122	37361	3.522	ng	# 5
32) Benzoic acid	9.957	122	37361	11.824	ng	98
48) 2-Nitroaniline	13.510	65	770	4.196	ng	# 39
54) 2,4-Dinitrophenol	14.575	184	6046	7.019	ng	# 22
56) 4-Nitrophenol	14.669	139	52857	7.512	ng	# 82
57) 2,4-Dinitrotoluene	14.792	165	5170	3.086	ng	# 89
60) Diethylphthalate	15.269	149	160810	3.377	ng	98
62) 4-Nitroaniline	15.510	138	1005	4.295	ng	# 67
63) Azobenzene	15.804	77	944671	19.007	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.569	198	68	3.896	ng	# 1
70) Pentachlorophenol	16.839	266	42013	10.675	ng	96
74) Di-n-butylphthalate	18.163	149	274438	3.067	ng	97

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

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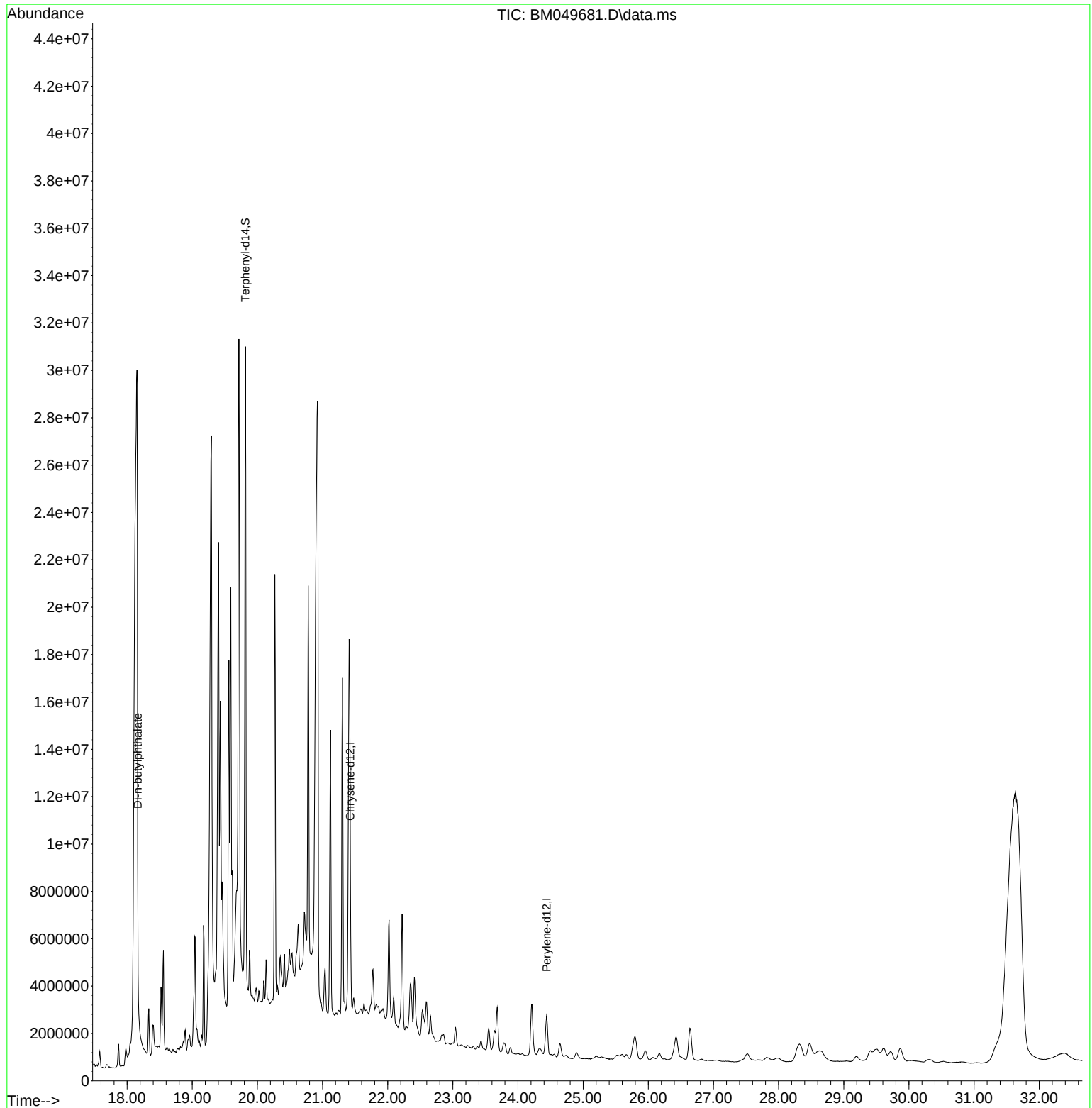
Quant Time: Feb 28 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
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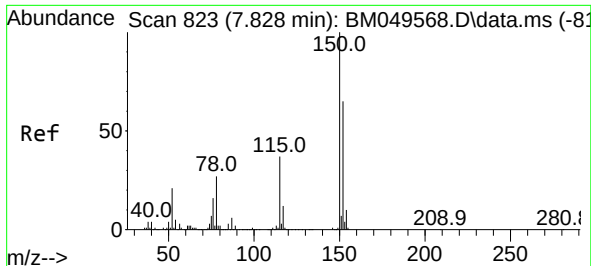


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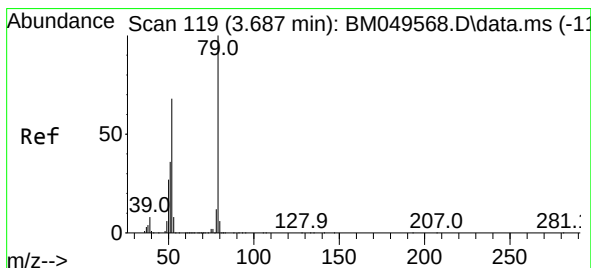
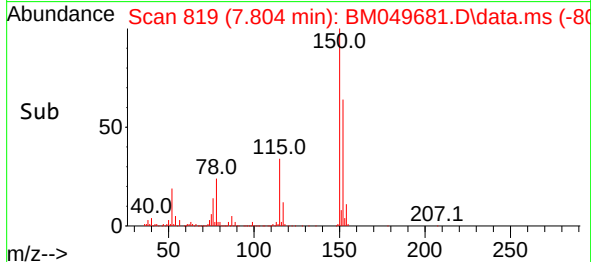
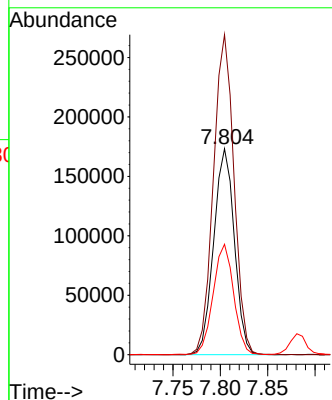
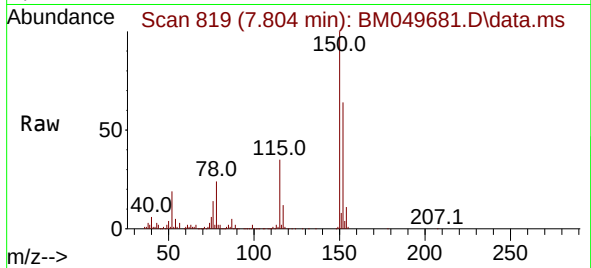




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

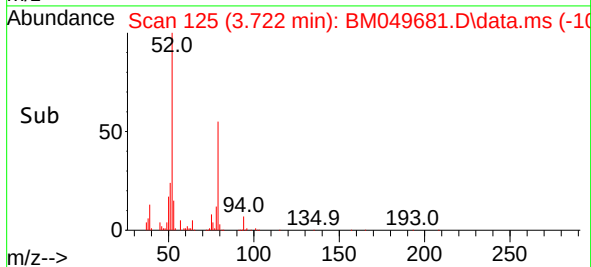
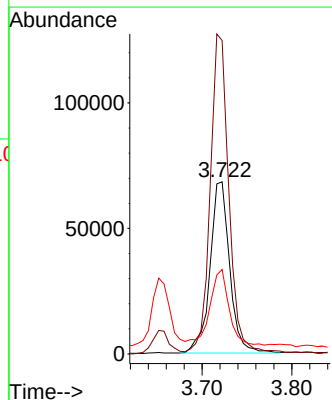
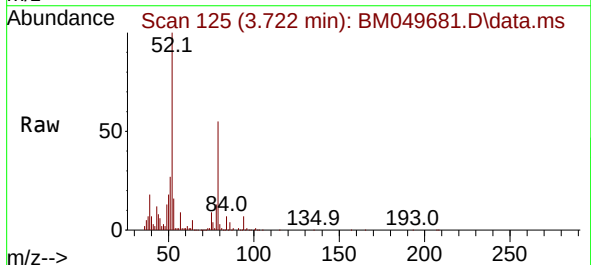
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

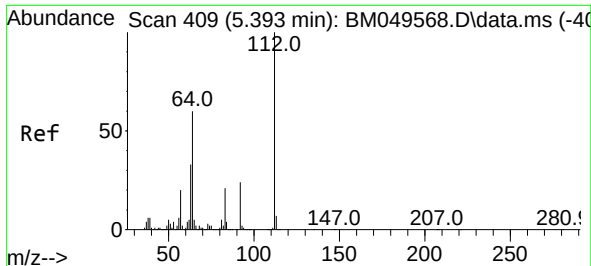
Tgt Ion:152 Resp: 262882
Ion Ratio Lower Upper
152 100
150 155.4 122.6 184.0
115 53.6 45.4 68.0



#3
Pyridine
Concen: 5.453 ng
RT: 3.722 min Scan# 125
Delta R.T. 0.036 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 79 Resp: 104155
Ion Ratio Lower Upper
79 100
52 182.0 54.5 81.7#
51 49.0 29.0 43.6#

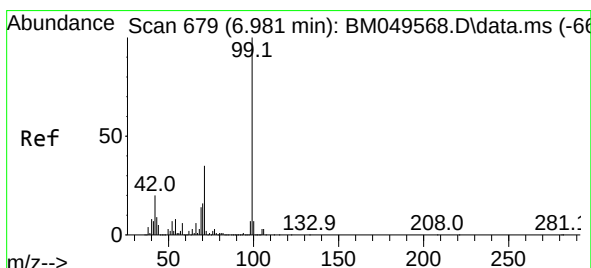
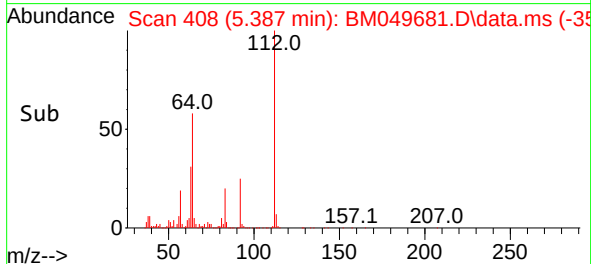
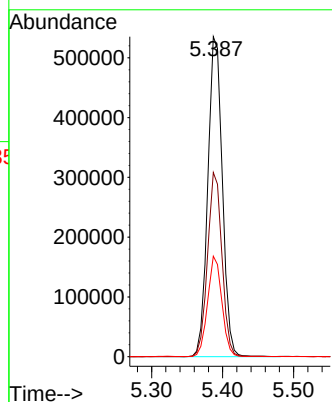
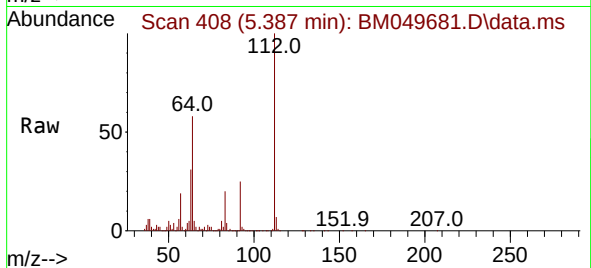




#5
2-Fluorophenol
Concen: 46.630 ng
RT: 5.387 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

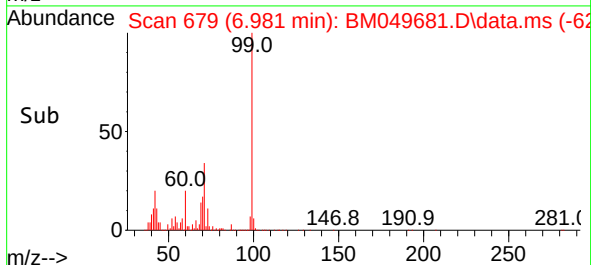
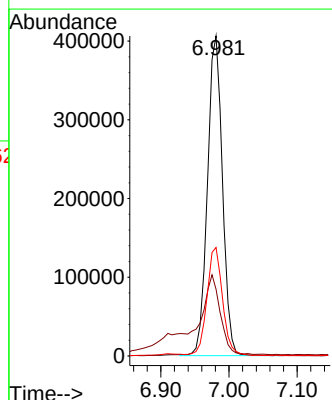
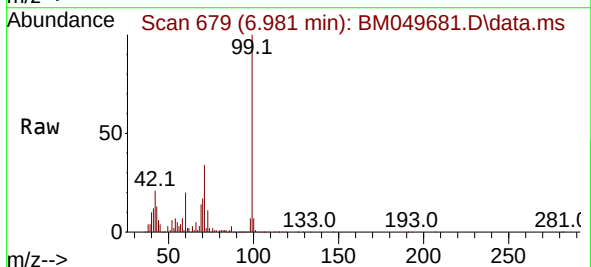
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

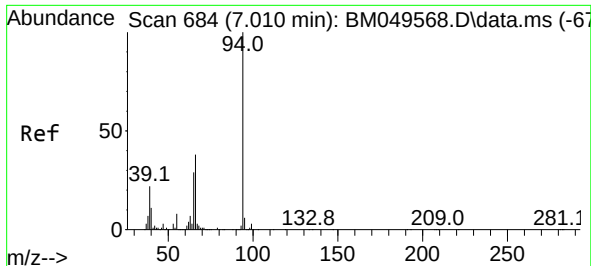
Tgt Ion:112 Resp: 762276
Ion Ratio Lower Upper
112 100
64 57.6 47.8 71.8
63 31.4 26.2 39.4



#7
Phenol-d6
Concen: 28.948 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 99 Resp: 619987
Ion Ratio Lower Upper
99 100
42 20.9 16.0 24.0
71 33.9 27.8 41.6

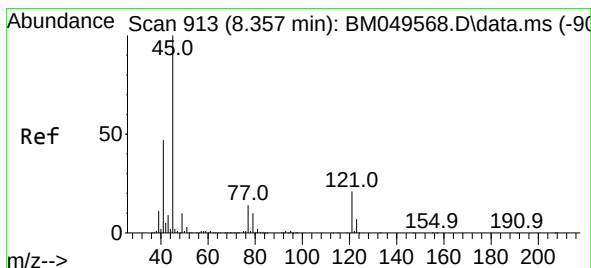
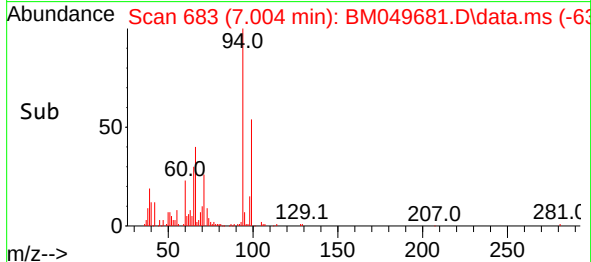
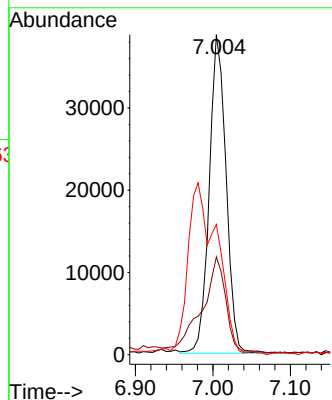
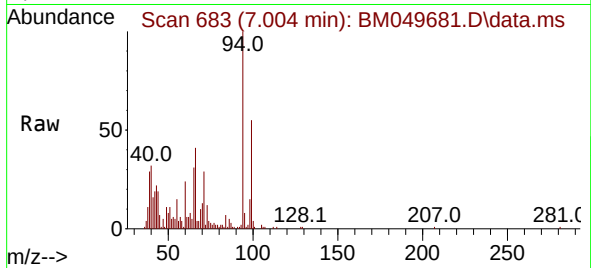




#10
Phenol
Concen: 2.781 ng
RT: 7.004 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

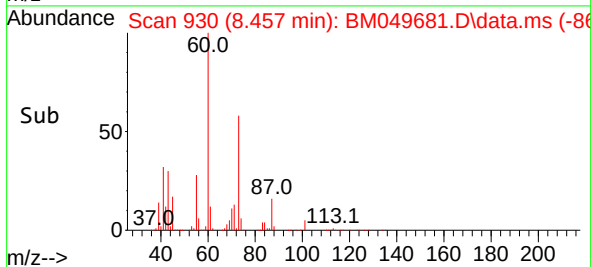
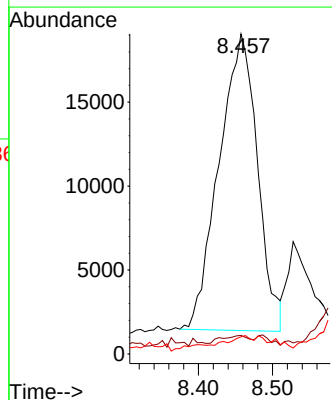
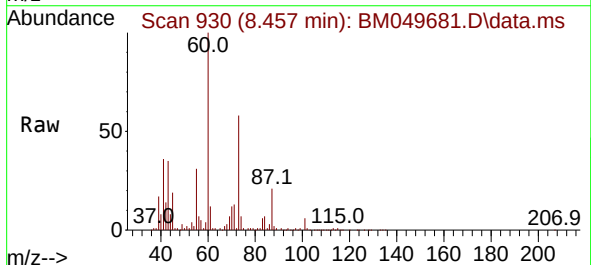
Instrument :
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ClientSampleId :
EFF-WASTE WATER

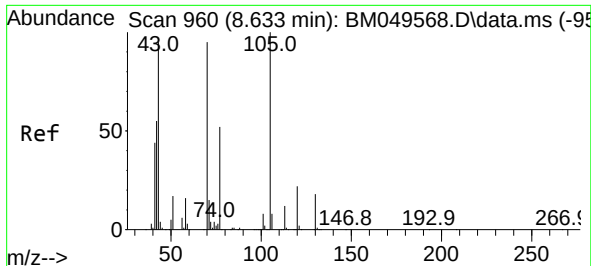
Tgt Ion: 94 Resp: 58662
Ion Ratio Lower Upper
94 100
65 30.6 9.3 49.3
66 40.7 17.7 57.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.768 ng
RT: 8.457 min Scan# 930
Delta R.T. 0.100 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 45 Resp: 63595
Ion Ratio Lower Upper
45 100
77 5.8 0.0 34.0
79 5.3 0.0 30.8

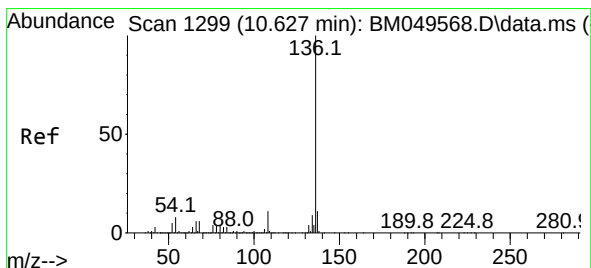
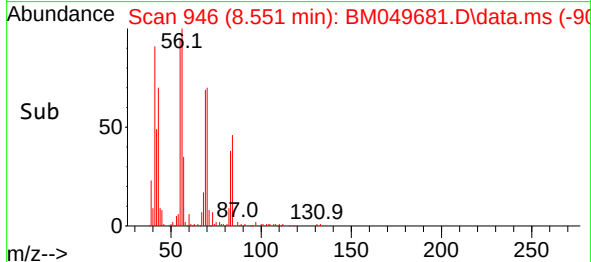
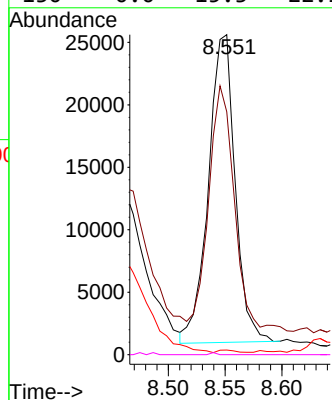
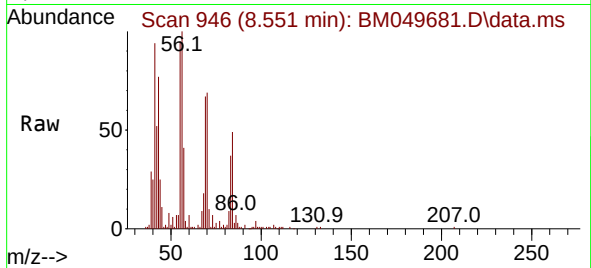




#19
n-Nitroso-di-n-propylamine
Concen: 2.877 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.082 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

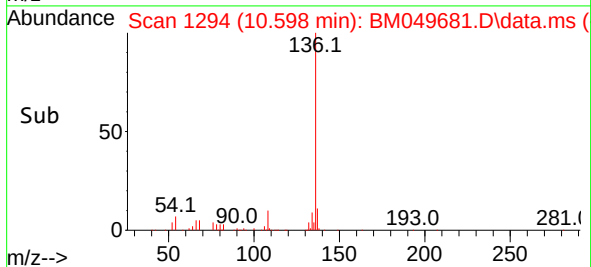
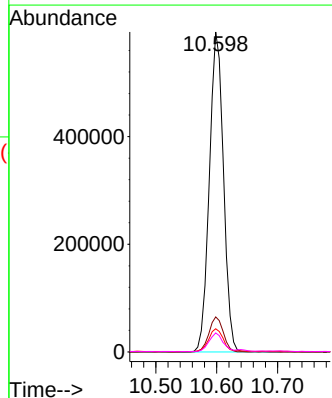
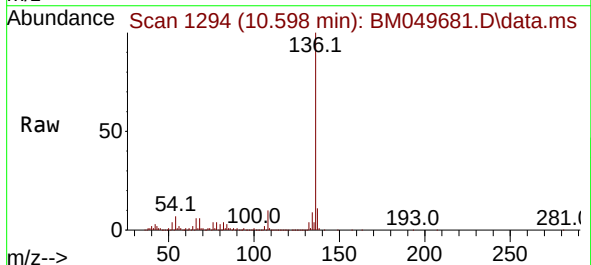
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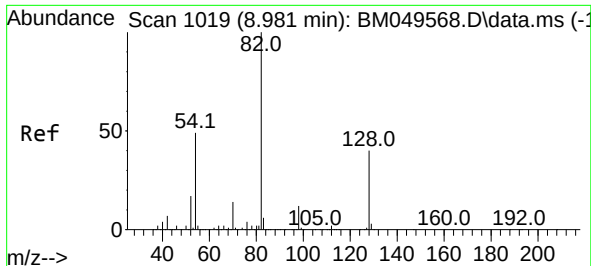
Tgt Ion: 70 Resp: 40347
Ion Ratio Lower Upper
70 100
42 75.9 47.4 71.2#
101 1.4 7.1 10.7#
130 0.0 15.3 22.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.029 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 136 Resp: 956753
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.2 6.6 10.0
68 6.0 4.8 7.2

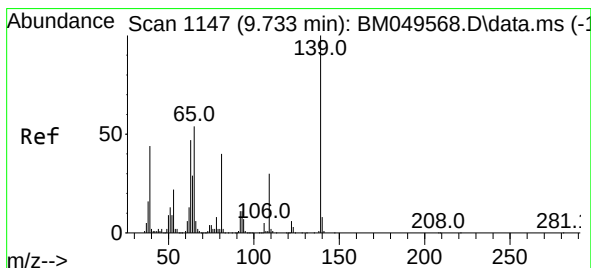
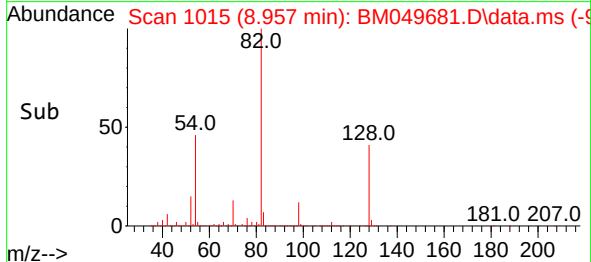
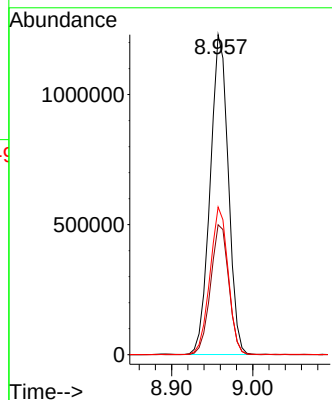
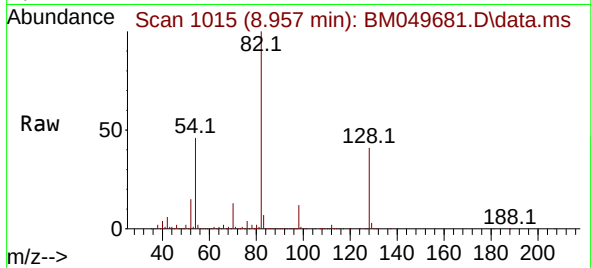




#23
Nitrobenzene-d5
Concen: 102.399 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

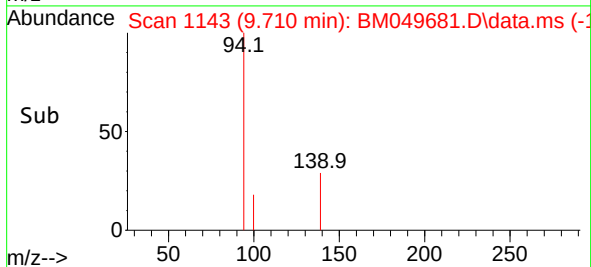
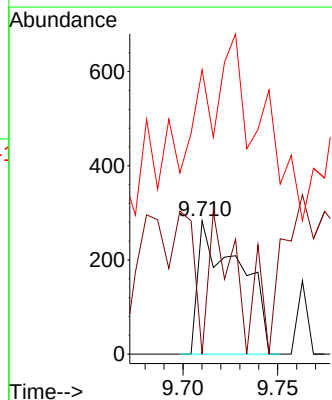
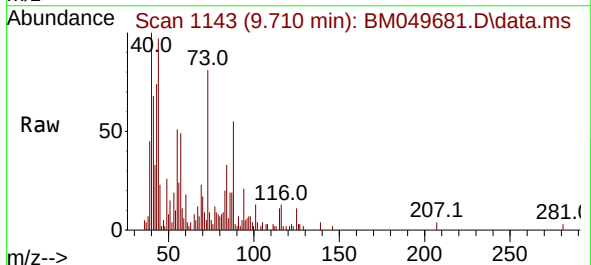
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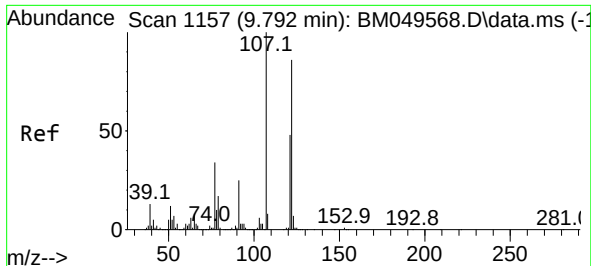
Tgt Ion: 82 Resp: 1904665
Ion Ratio Lower Upper
82 100
128 40.6 31.6 47.4
54 46.2 39.4 59.0



#26
2-Nitrophenol
Concen: 2.063 ng
RT: 9.710 min Scan# 1143
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:139 Resp: 432
Ion Ratio Lower Upper
139 100
109 0.0 24.2 36.2#
65 213.4 43.4 65.2#

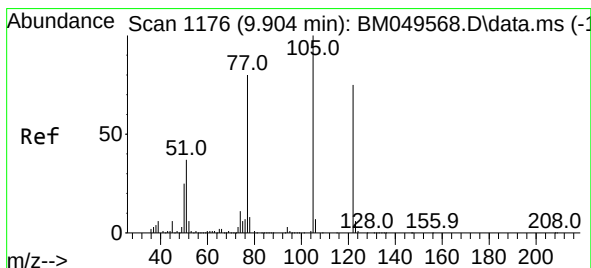
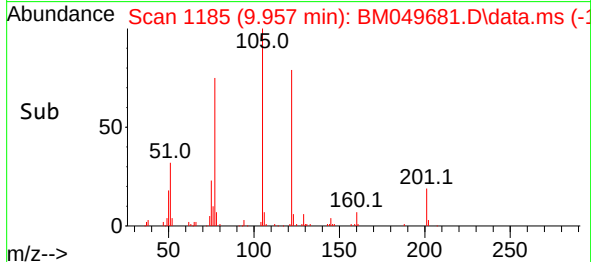
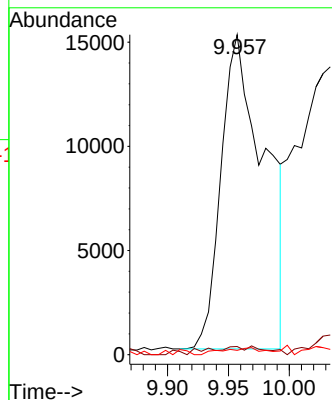
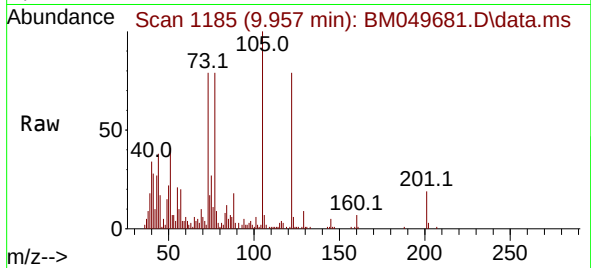




#27
2,4-Dimethylphenol
Concen: 3.522 ng
RT: 9.957 min Scan# 1185
Delta R.T. 0.165 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

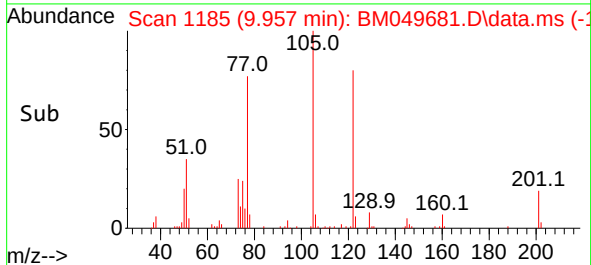
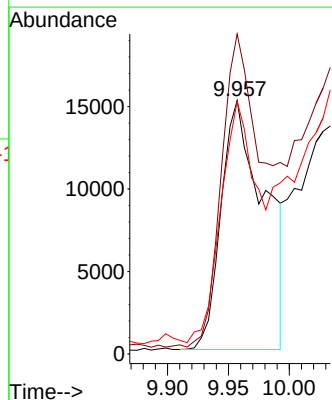
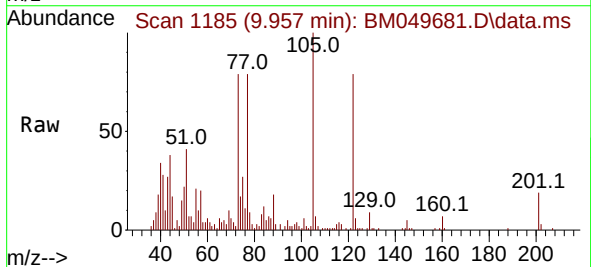
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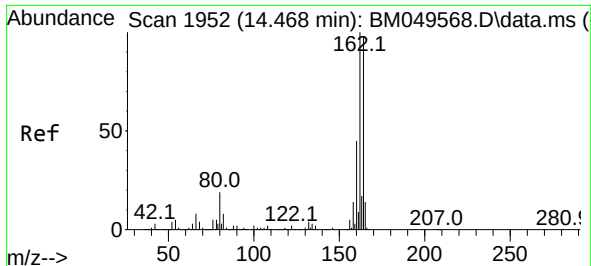
Tgt Ion:122 Resp: 37361
Ion Ratio Lower Upper
122 100
107 2.6 93.2 139.8#
121 1.4 44.4 66.6#



#32
Benzoic acid
Concen: 11.824 ng
RT: 9.957 min Scan# 1185
Delta R.T. 0.053 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:122 Resp: 37361
Ion Ratio Lower Upper
122 100
105 126.3 103.6 143.6
77 99.7 82.4 122.4

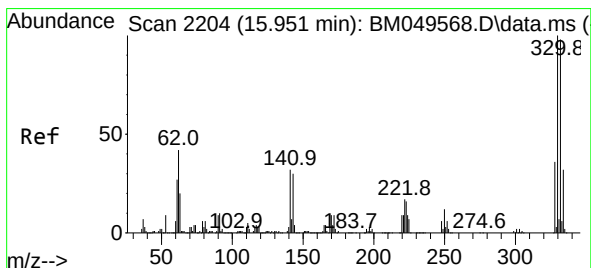
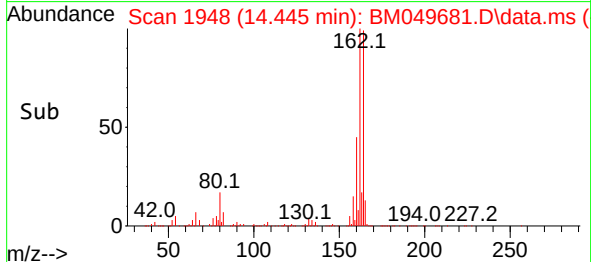
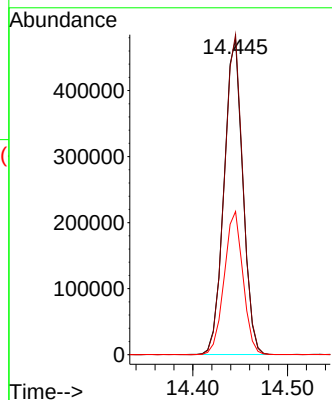
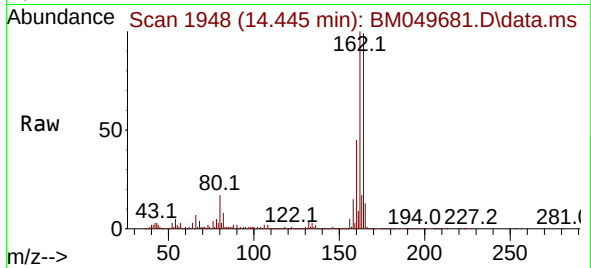




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1952
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

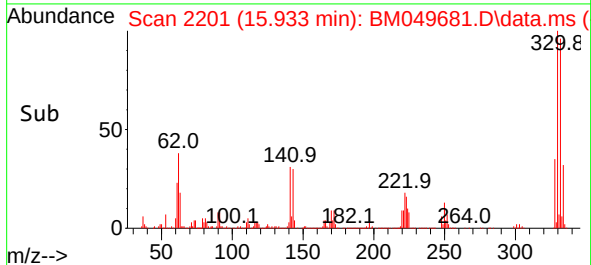
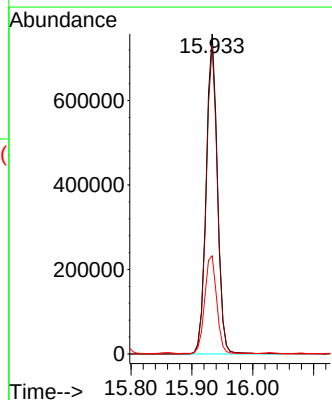
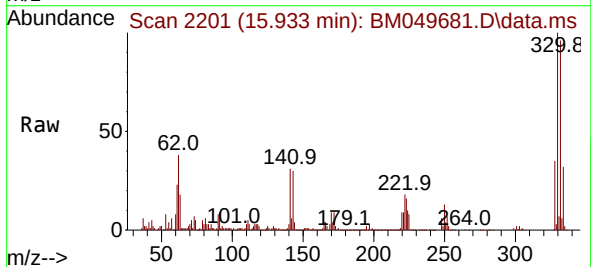
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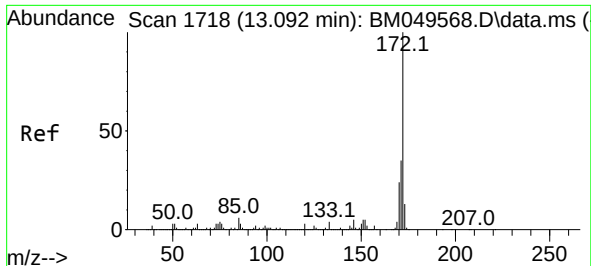
Tgt Ion:164 Resp: 659772
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 45.4 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 124.345 ng
RT: 15.933 min Scan# 2201
Delta R.T. -0.017 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:330 Resp: 972101
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 32.6 28.2 42.2

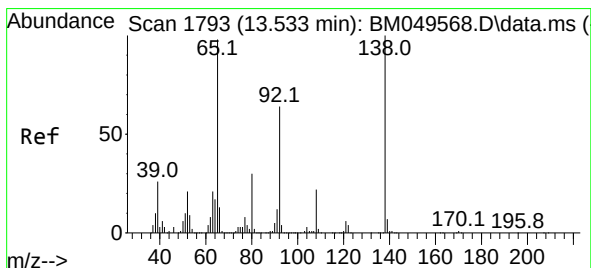
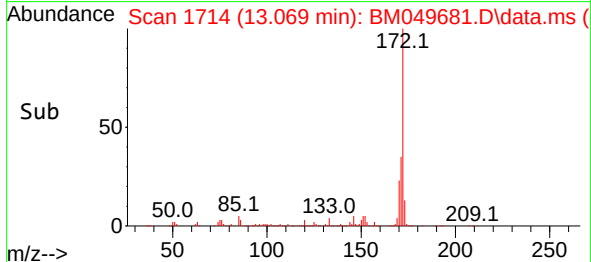
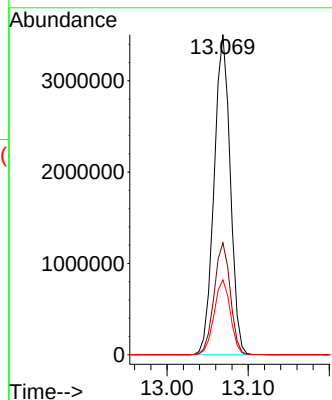
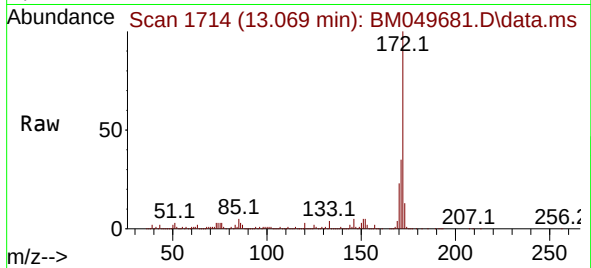




#45
2-Fluorobiphenyl
Concen: 95.172 ng
RT: 13.069 min Scan# 1718
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

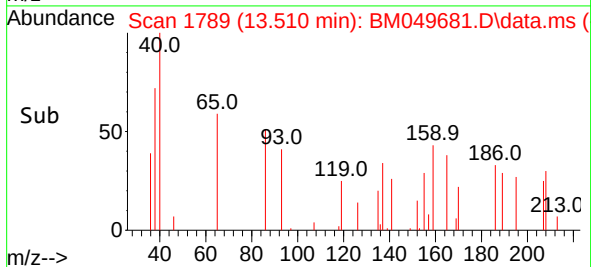
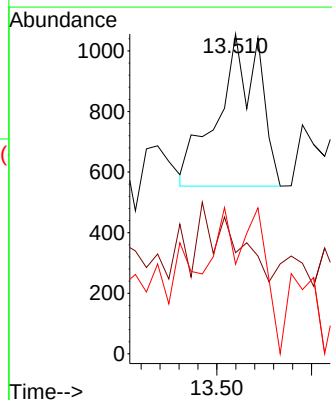
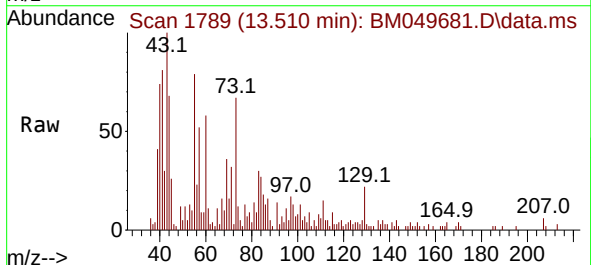
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

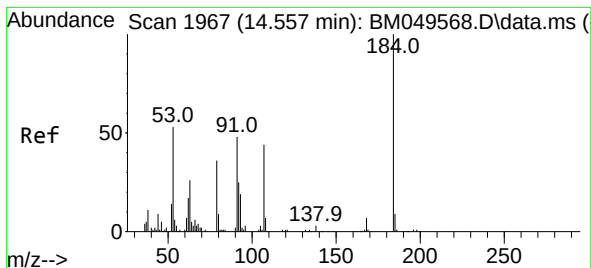
Tgt Ion:172 Resp: 4847076
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 19.0 28.4



#48
2-Nitroaniline
Concen: 4.196 ng
RT: 13.510 min Scan# 1789
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 65 Resp: 770
Ion Ratio Lower Upper
65 100
92 31.6 52.0 78.0#
138 28.0 81.6 122.4#

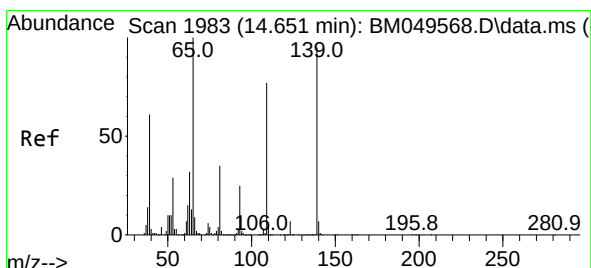
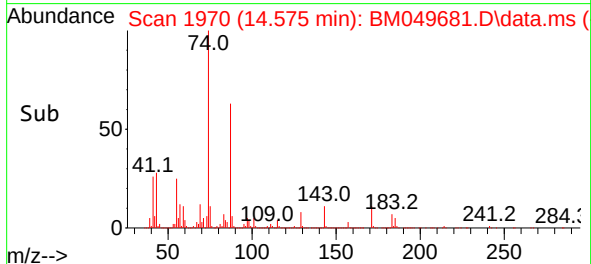
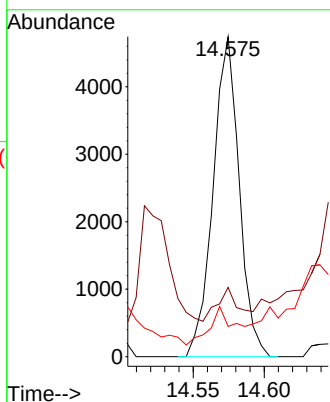
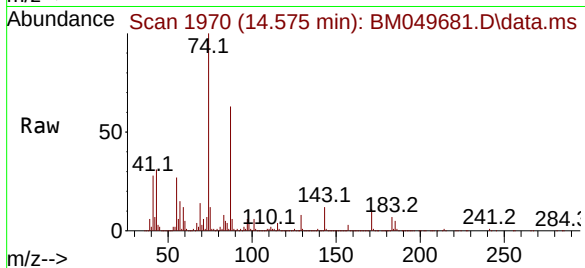




#54
2,4-Dinitrophenol
Concen: 7.019 ng
RT: 14.575 min Scan# 1967
Delta R.T. 0.018 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

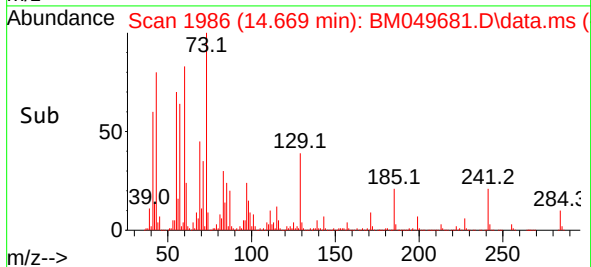
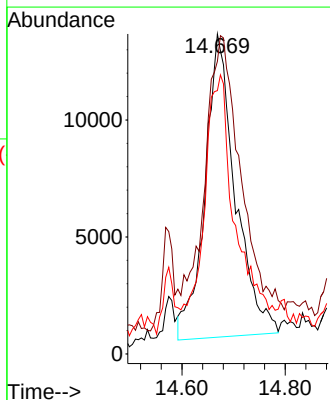
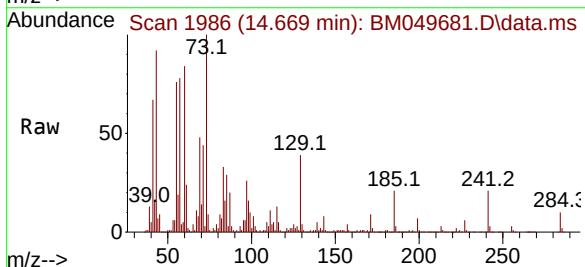
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

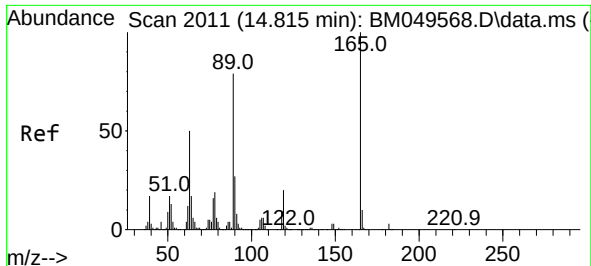
Tgt Ion:184 Resp: 6046
Ion Ratio Lower Upper
184 100
63 21.7 60.2 90.4#
154 9.4 78.2 117.4#



#56
4-Nitrophenol
Concen: 7.512 ng
RT: 14.669 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:139 Resp: 52857
Ion Ratio Lower Upper
139 100
109 91.5 61.4 101.4
65 82.3 85.6 125.6#

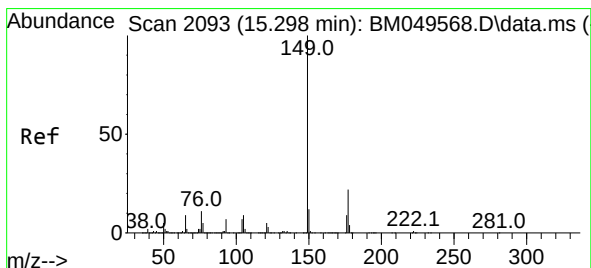
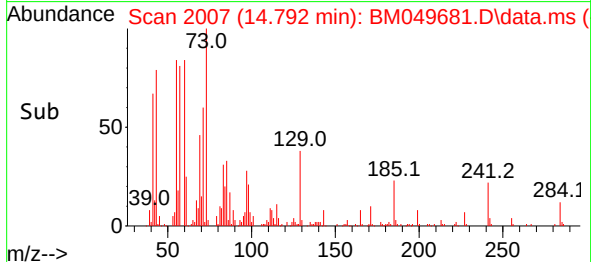
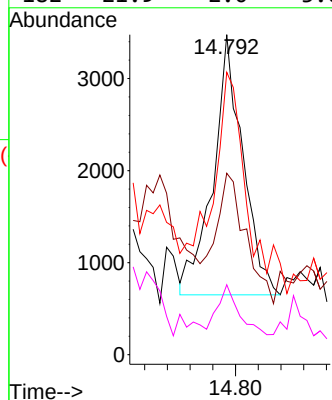
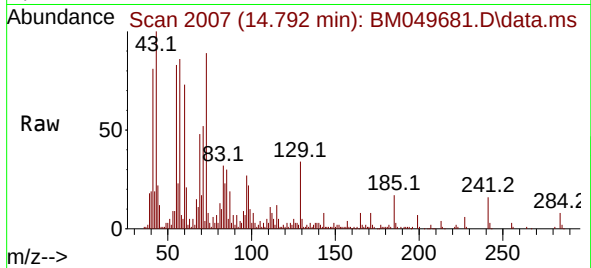




#57
2,4-Dinitrotoluene
Concen: 3.086 ng
RT: 14.792 min Scan# 2011
Delta R.T. -0.023 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

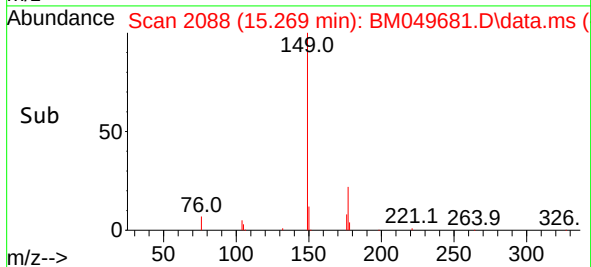
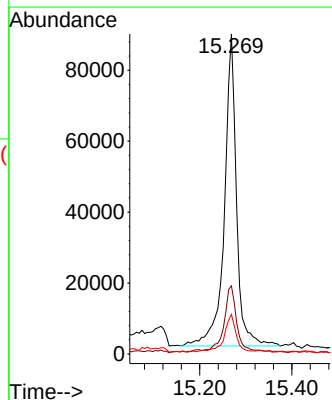
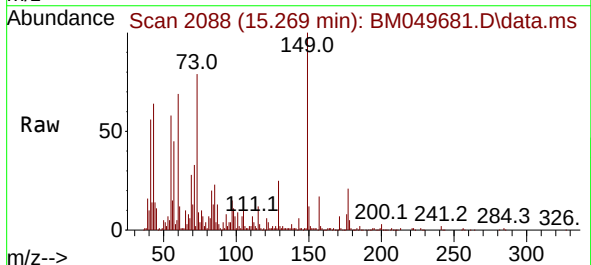
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

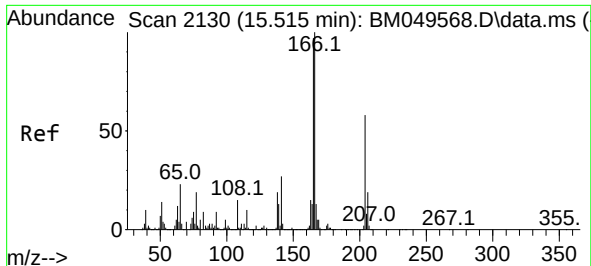
Tgt Ion:165 Resp: 5170
Ion Ratio Lower Upper
165 100
63 56.7 39.8 59.6
89 88.3 63.5 95.3
182 21.9 2.0 3.0#



#60
Diethylphthalate
Concen: 3.377 ng
RT: 15.269 min Scan# 2088
Delta R.T. -0.029 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:149 Resp: 160810
Ion Ratio Lower Upper
149 100
177 21.3 18.0 27.0
150 12.3 9.7 14.5

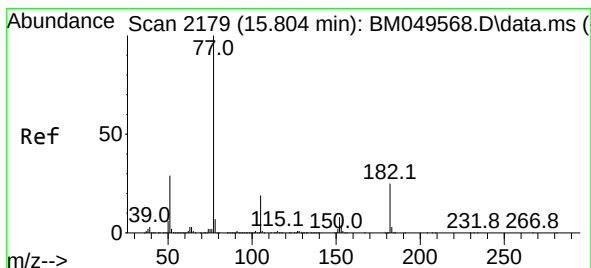
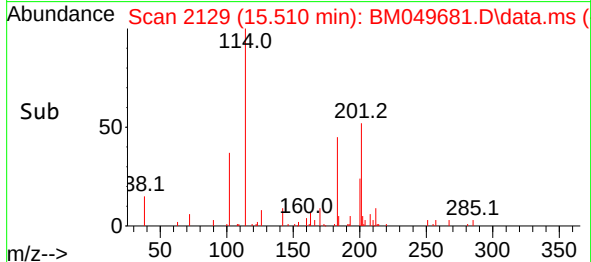
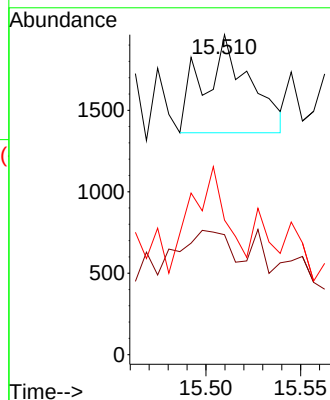
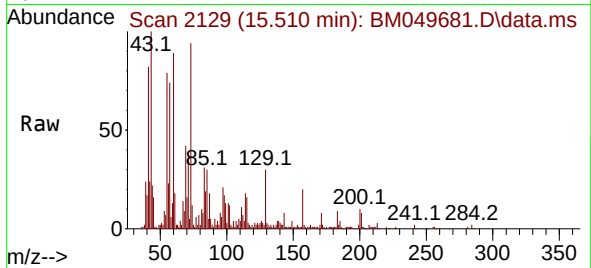




#62
4-Nitroaniline
Concen: 4.295 ng
RT: 15.510 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

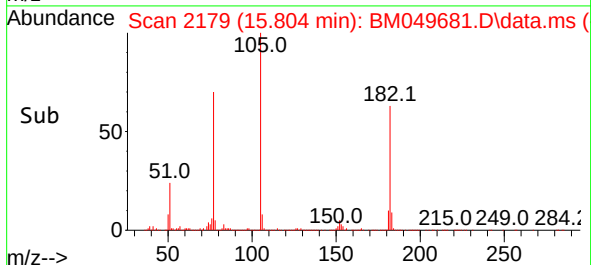
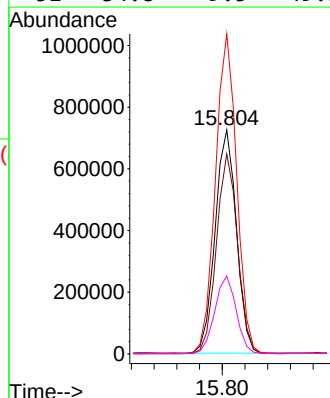
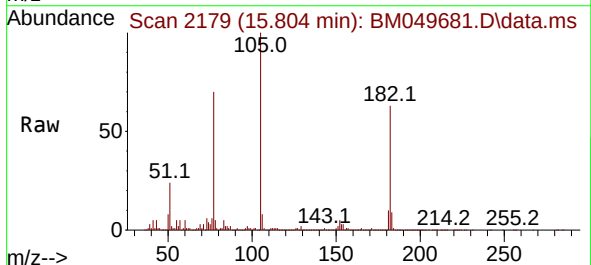
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

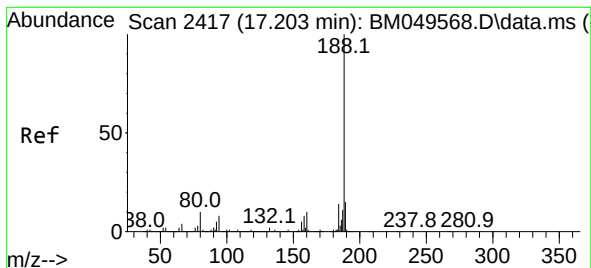
Tgt Ion:138 Resp: 1005
Ion Ratio Lower Upper
138 100
92 37.5 29.3 69.3
108 42.1 60.1 100.1#



#63
Azobenzene
Concen: 19.007 ng
RT: 15.804 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion: 77 Resp: 944671
Ion Ratio Lower Upper
77 100
182 89.3 4.7 44.7#
105 142.9 0.0 39.3#
51 34.8 9.5 49.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2417

Delta R.T. -0.017 min

Lab File: BM049681.D

Acq: 28 Feb 2025 16:36

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE WATER

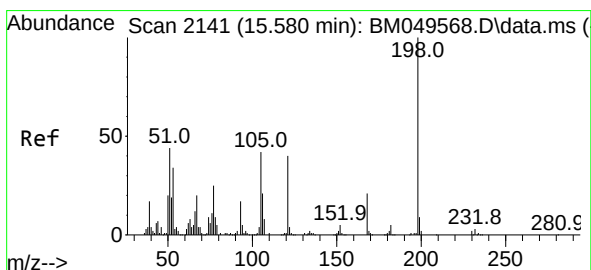
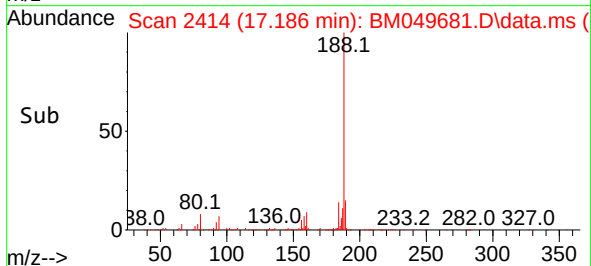
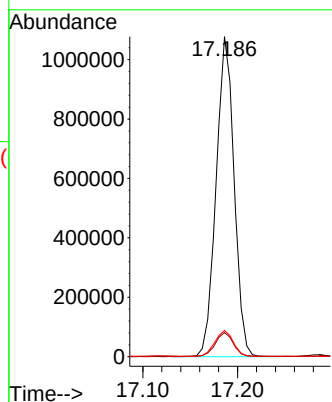
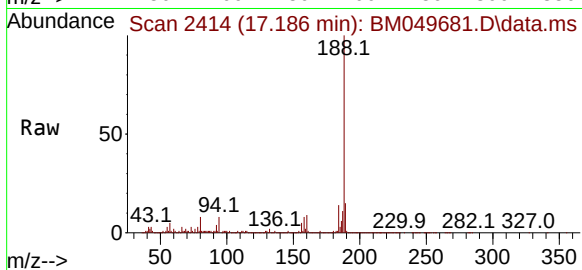
Tgt Ion:188 Resp: 1424347

Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 8.2 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.896 ng

RT: 15.569 min Scan# 2139

Delta R.T. -0.011 min

Lab File: BM049681.D

Acq: 28 Feb 2025 16:36

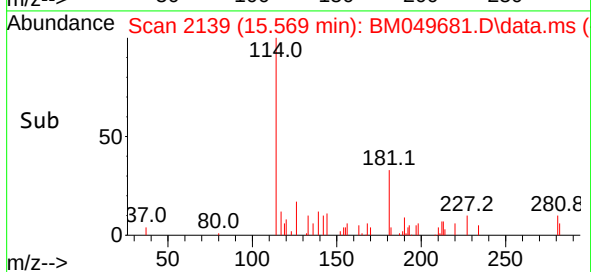
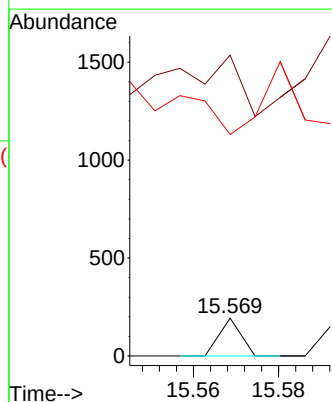
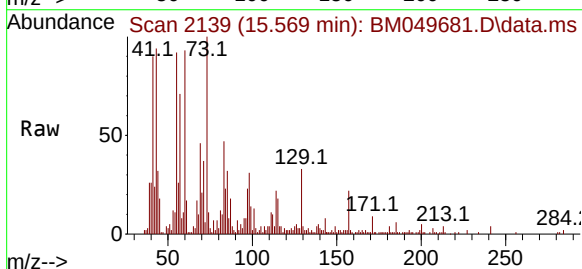
Tgt Ion:198 Resp: 68

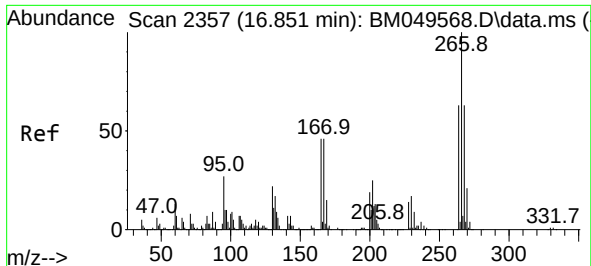
Ion Ratio Lower Upper

198 100

51 795.9 26.9 66.9#

105 586.0 22.8 62.8#

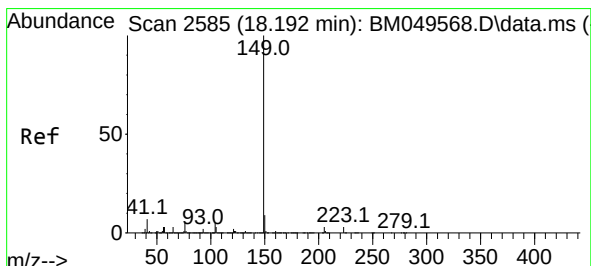
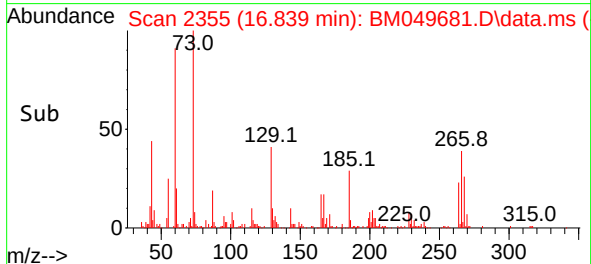
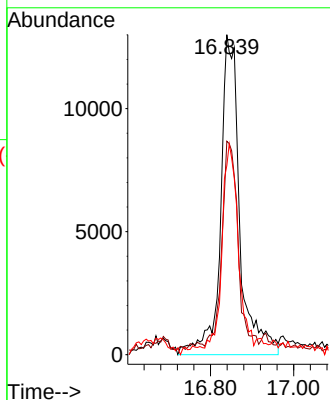
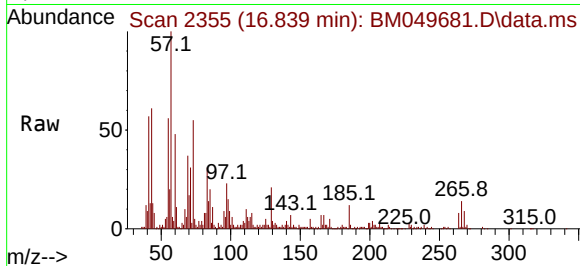




#70
 Pentachlorophenol
 Concen: 10.675 ng
 RT: 16.839 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM049681.D
 Acq: 28 Feb 2025 16:36

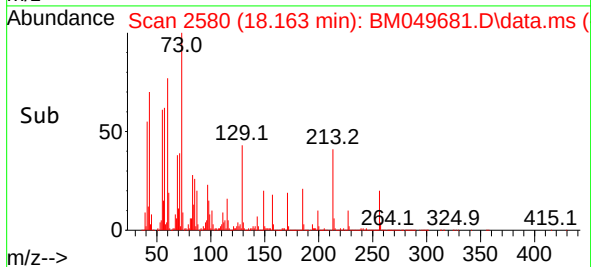
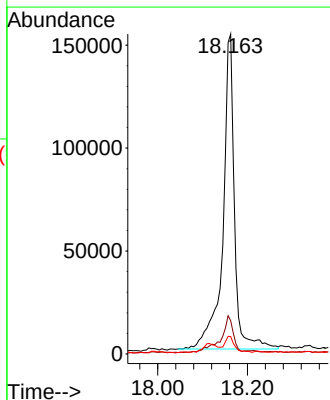
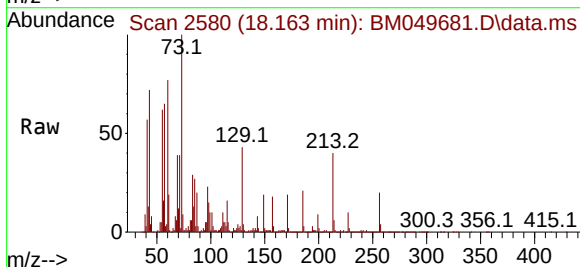
Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE WATER

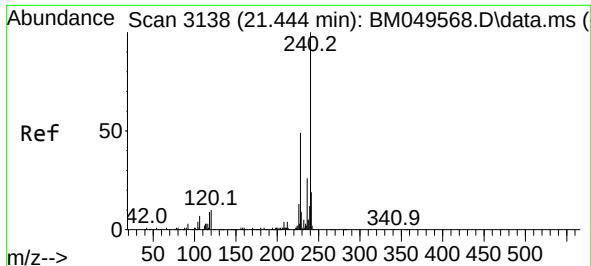
Tgt Ion:266 Resp: 42013
 Ion Ratio Lower Upper
 266 100
 268 66.7 50.8 76.2
 264 59.1 50.0 75.0



#74
 Di-n-butylphthalate
 Concen: 3.067 ng
 RT: 18.163 min Scan# 2580
 Delta R.T. -0.029 min
 Lab File: BM049681.D
 Acq: 28 Feb 2025 16:36

Tgt Ion:149 Resp: 274438
 Ion Ratio Lower Upper
 149 100
 150 10.4 7.4 11.0
 104 5.5 4.1 6.1

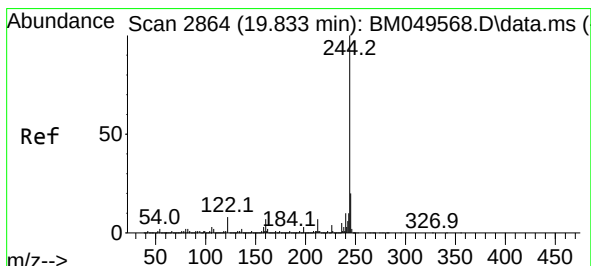
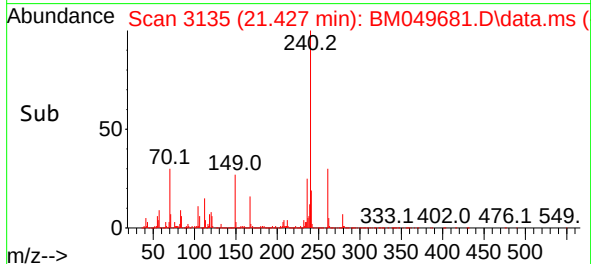
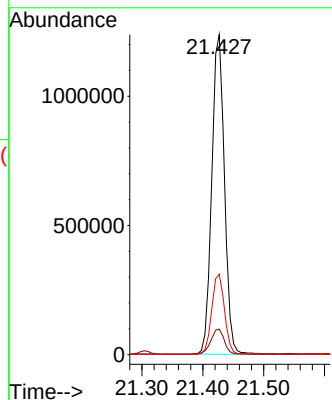
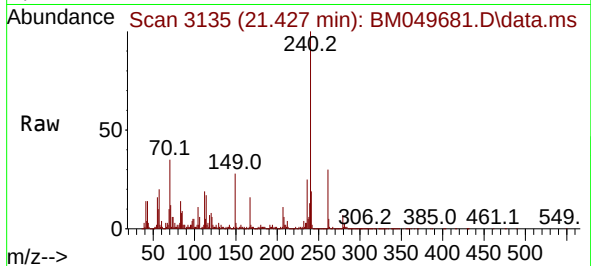




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

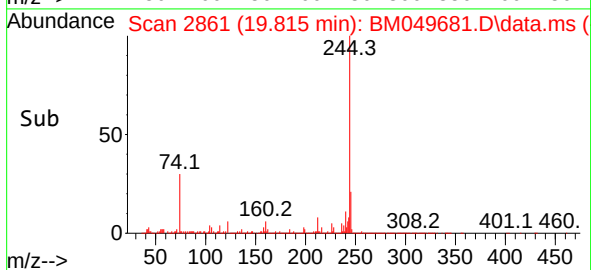
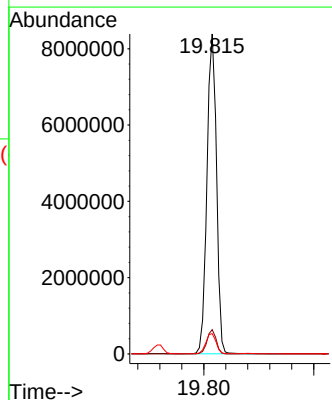
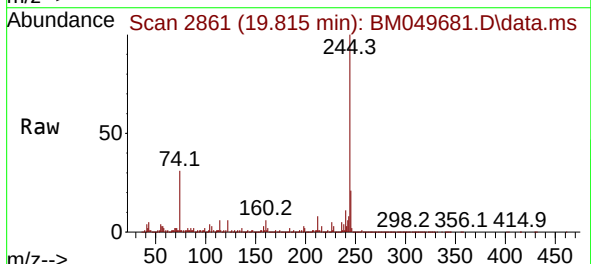
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE WATER

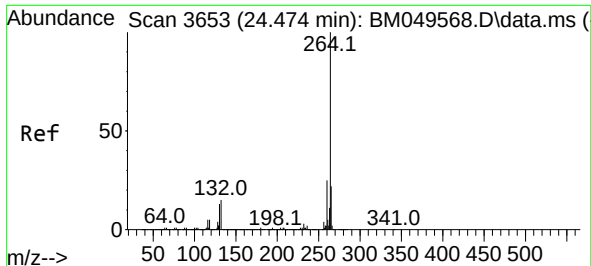
Tgt Ion:240 Resp: 1790067
Ion Ratio Lower Upper
240 100
120 8.0 7.8 11.8
236 25.1 20.6 31.0



#79
Terphenyl-d14
Concen: 85.616 ng
RT: 19.815 min Scan# 2861
Delta R.T. -0.017 min
Lab File: BM049681.D
Acq: 28 Feb 2025 16:36

Tgt Ion:244 Resp:10036283
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 6.3 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.439 min Scan# 30
 Delta R.T. -0.035 min
 Lab File: BM049681.D
 Acq: 28 Feb 2025 16:36

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE WATER

Tgt Ion:264 Resp: 1614006
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.6
 265 22.1 17.5 26.3

