

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039419.D
 Acq On : 13 Apr 2023 20:11
 Operator : CG/JU
 Sample : 02288-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GROUND-WATER

Quant Time: Apr 14 05:17:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

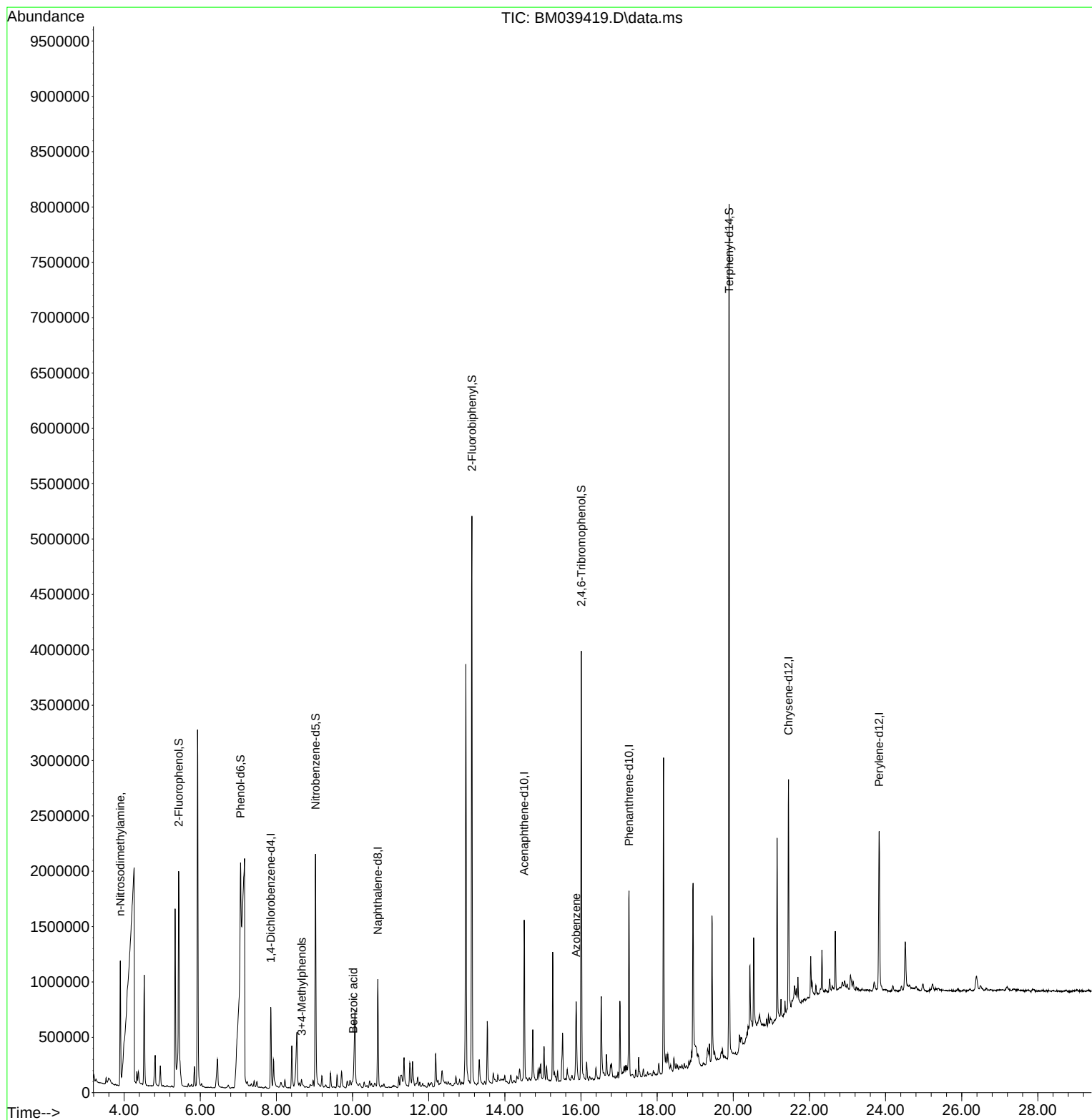
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	202657	20.000	ng	-0.01
21) Naphthalene-d8	10.663	136	814103	20.000	ng	-0.01
39) Acenaphthene-d10	14.510	164	484643	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	1035310	20.000	ng	0.00
76) Chrysene-d12	21.451	240	964267	20.000	ng	-0.01
86) Perylene-d12	23.833	264	1069261	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	740543	55.054	ng	0.01
7) Phenol-d6	7.058	99	622855	35.800	ng	0.02
23) Nitrobenzene-d5	9.028	82	1235118	73.737	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	715749	116.343	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	2606568	72.872	ng	0.00
79) Terphenyl-d14	19.892	244	3769233	72.219	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.899	42	354057	58.529	ng	Qvalue # 1
20) 3+4-Methylphenols	8.663	107	36485	2.226	ng	87
32) Benzoic acid	10.016	122	24269	2.433	ng	91
63) Azobenzene	15.875	77	173817	4.615	ng	# 1

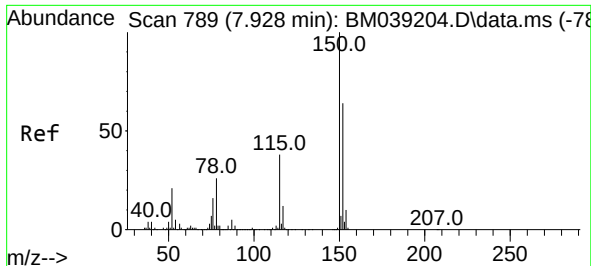
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039419.D
Acq On : 13 Apr 2023 20:11
Operator : CG/JU
Sample : 02288-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

Quant Time: Apr 14 05:17:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 11 16:05:42 2023
Response via : Initial Calibration

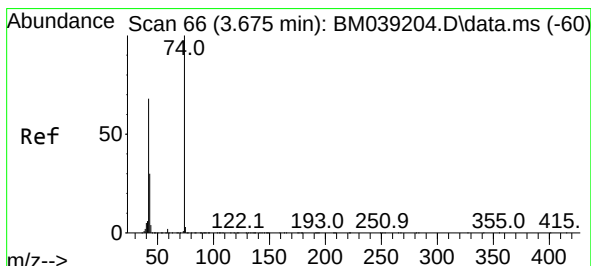
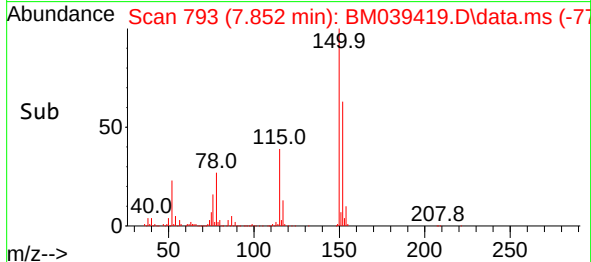
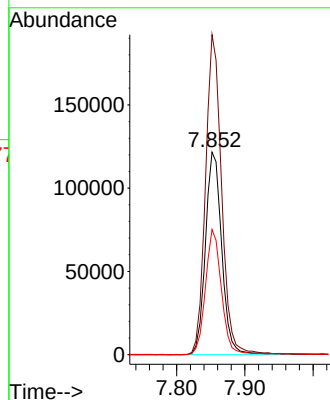
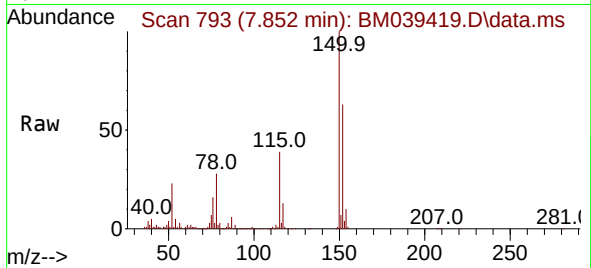




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 79
Delta R.T. -0.011 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

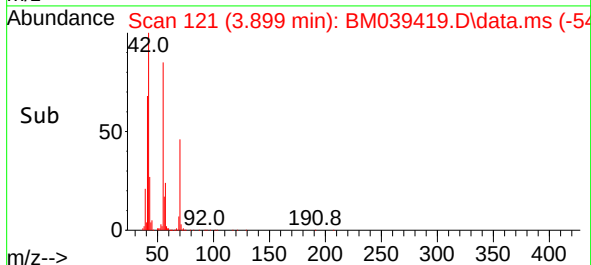
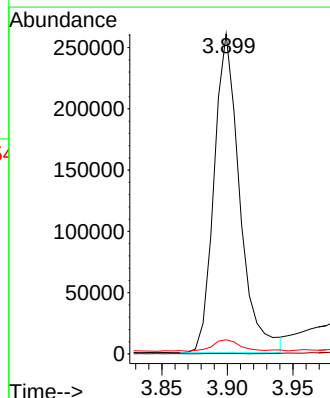
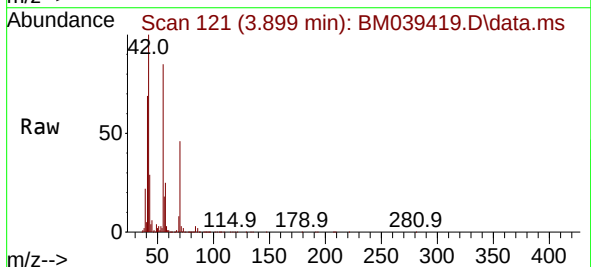
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

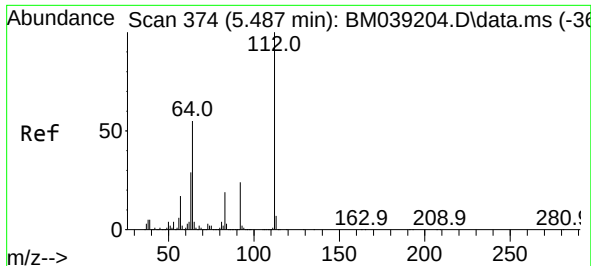
Tgt Ion:152 Resp: 202657
Ion Ratio Lower Upper
152 100
150 157.9 125.5 188.3
115 61.7 48.1 72.1



#4
n-Nitrosodimethylamine
Concen: 58.529 ng
RT: 3.899 min Scan# 121
Delta R.T. 0.295 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion: 42 Resp: 354057
Ion Ratio Lower Upper
42 100
74 0.2 118.1 177.1#
44 4.4 6.3 9.5#

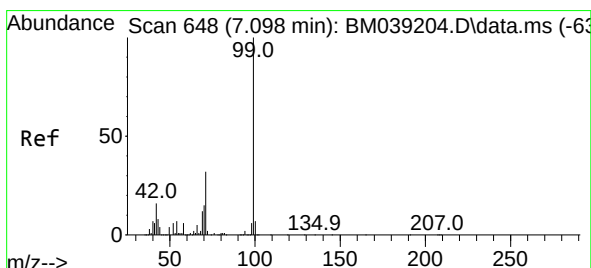
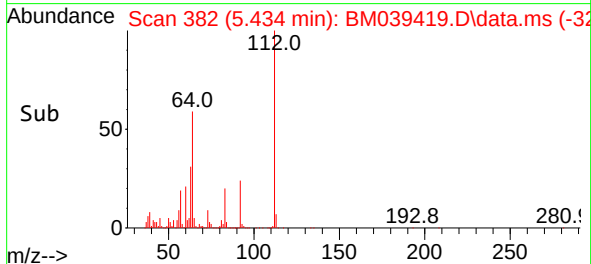
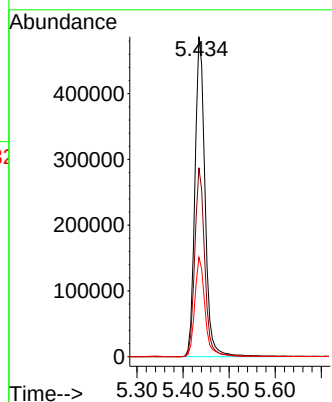
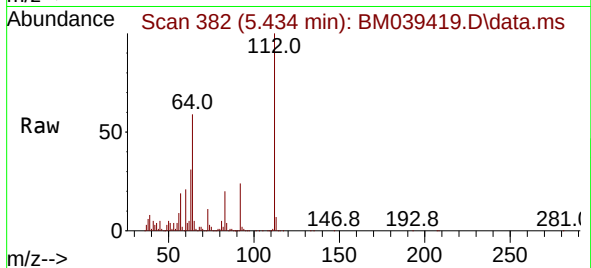




#5
2-Fluorophenol
Concen: 55.054 ng
RT: 5.434 min Scan# 374
Delta R.T. 0.012 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

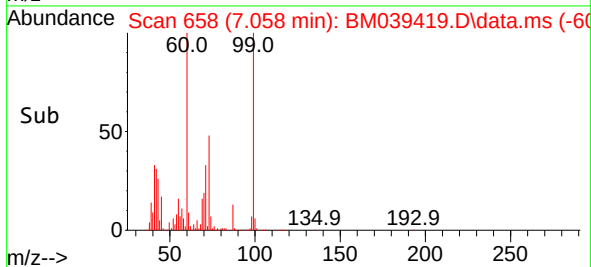
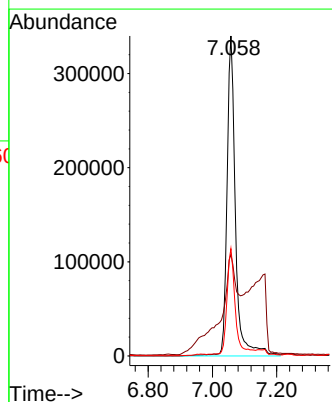
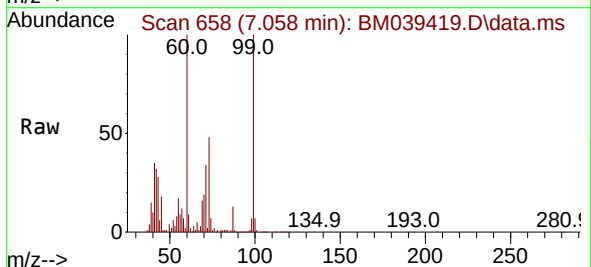
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

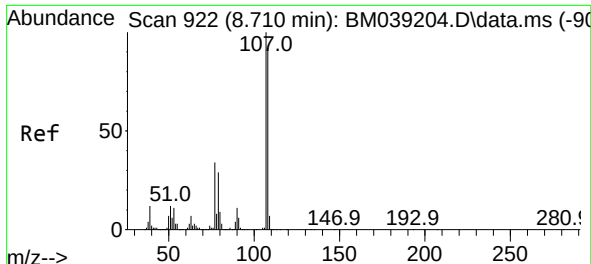
Tgt Ion:112 Resp: 740543
Ion Ratio Lower Upper
112 100
64 59.1 44.3 66.5
63 31.0 23.0 34.6



#7
Phenol-d6
Concen: 35.800 ng
RT: 7.058 min Scan# 658
Delta R.T. 0.024 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion: 99 Resp: 622855
Ion Ratio Lower Upper
99 100
42 31.7 13.0 19.6#
71 33.5 25.5 38.3

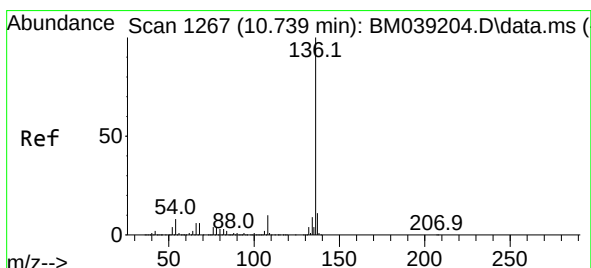
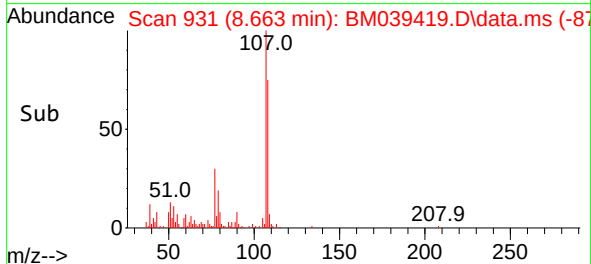
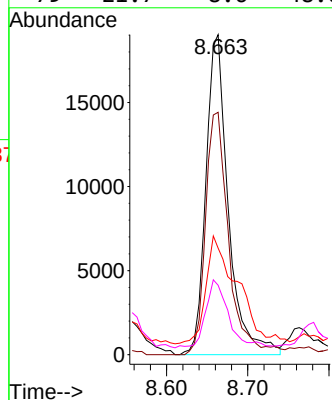
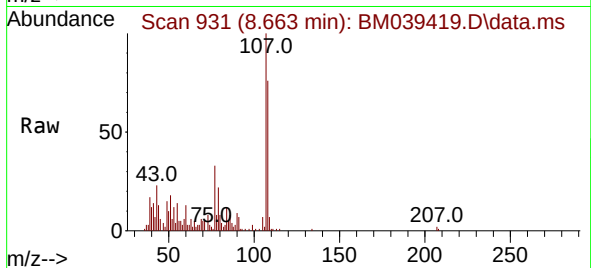




#20
3+4-Methylphenols
Concen: 2.226 ng
RT: 8.663 min Scan# 91
Delta R.T. 0.012 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

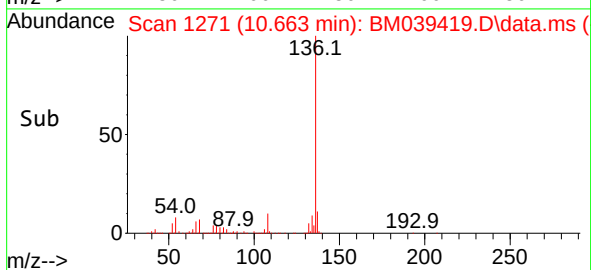
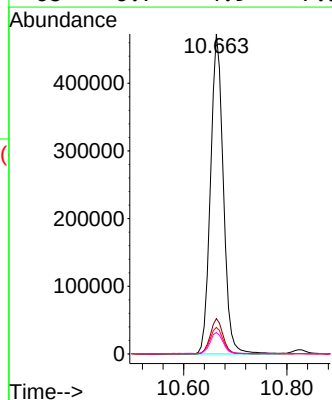
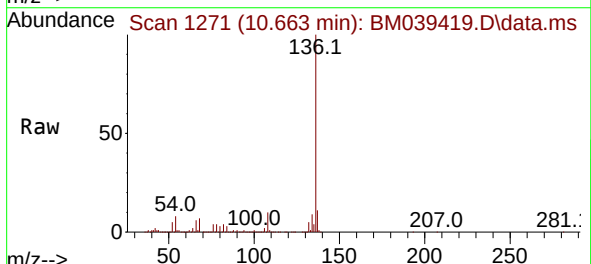
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

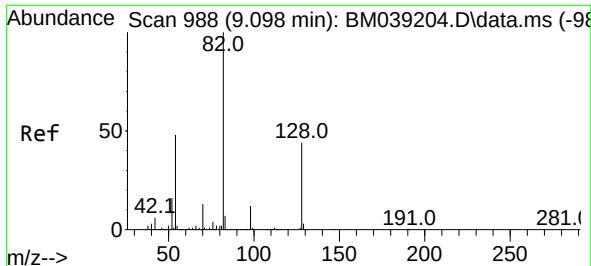
Tgt Ion:107	Resp:	36485
Ion	Ratio	Lower Upper
107	100	
108	75.7	72.1 112.1
77	33.3	13.7 53.7
79	21.7	8.6 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.011 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion:136	Resp:	814103
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	8.3	6.2 9.4
68	6.7	4.9 7.3

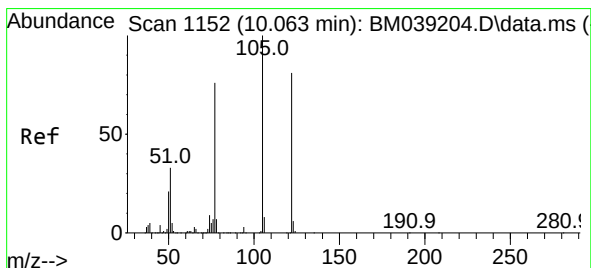
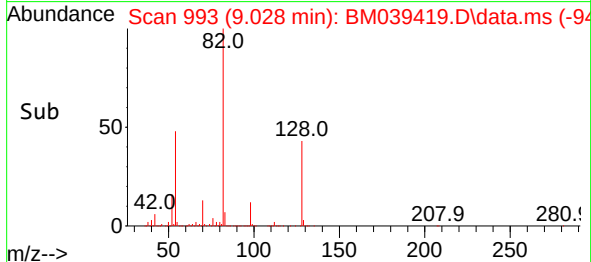
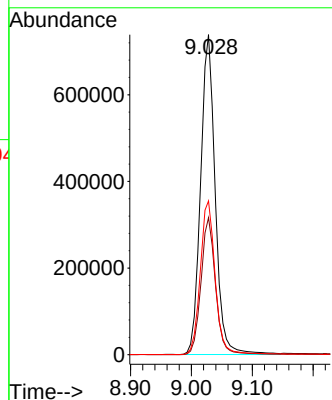
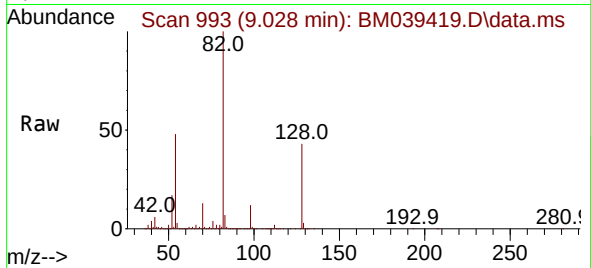




#23
Nitrobenzene-d5
Concen: 73.737 ng
RT: 9.028 min Scan# 91
Delta R.T. -0.005 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

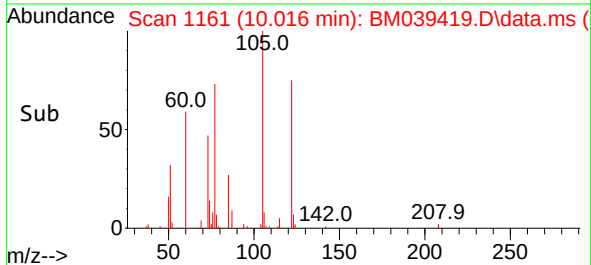
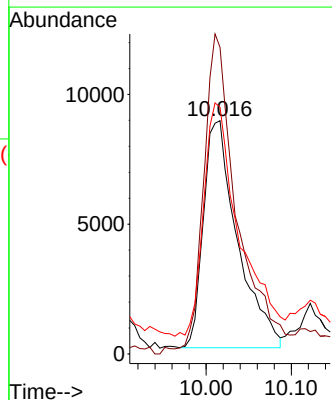
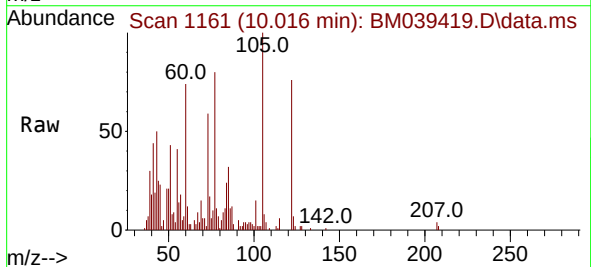
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

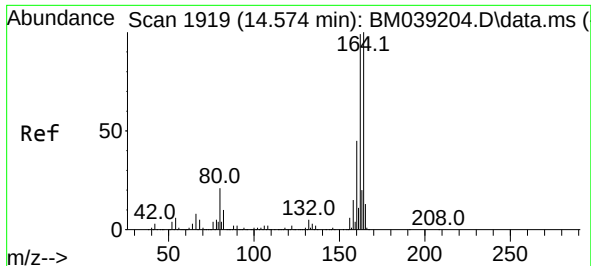
Tgt Ion: 82 Resp: 1235118
Ion Ratio Lower Upper
82 100
128 42.8 35.1 52.7
54 48.0 38.5 57.7



#32
Benzoic acid
Concen: 2.433 ng
RT: 10.016 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion:122 Resp: 24269
Ion Ratio Lower Upper
122 100
105 131.4 103.1 143.1
77 105.7 74.6 114.6

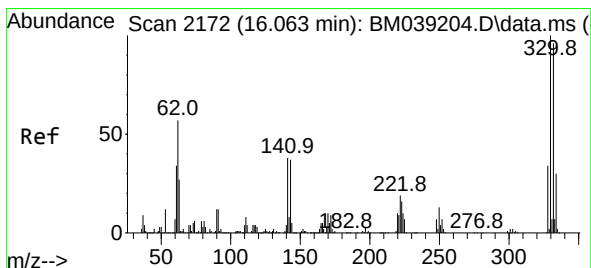
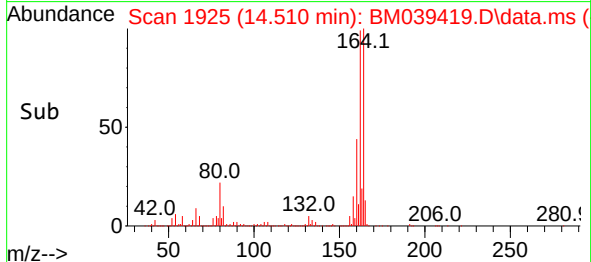
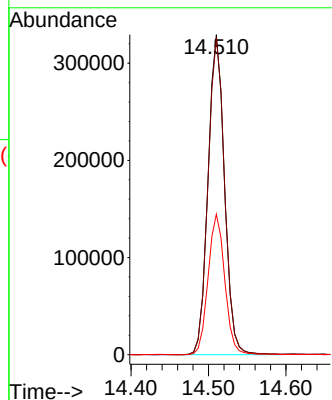
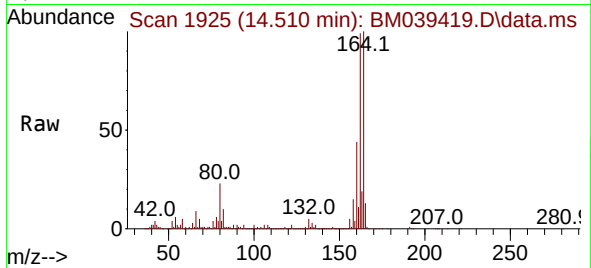




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1919
Delta R.T. -0.005 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

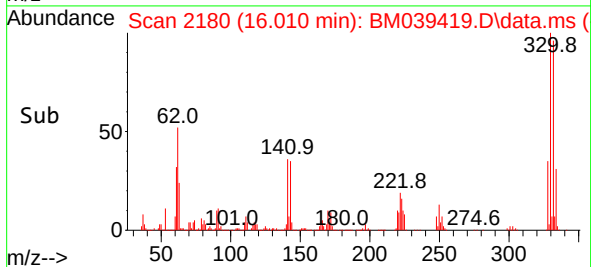
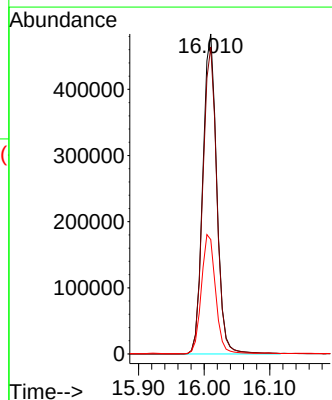
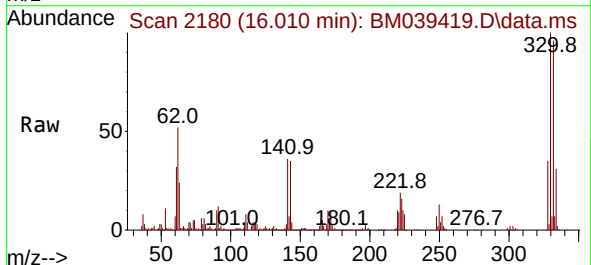
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

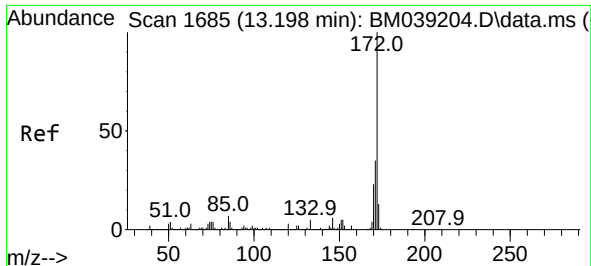
Tgt Ion:164 Resp: 484643
Ion Ratio Lower Upper
164 100
162 99.0 79.1 118.7
160 43.9 35.8 53.8



#42
2,4,6-Tribromophenol
Concen: 116.343 ng
RT: 16.010 min Scan# 2180
Delta R.T. -0.005 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion:330 Resp: 715749
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 37.9 29.8 44.6

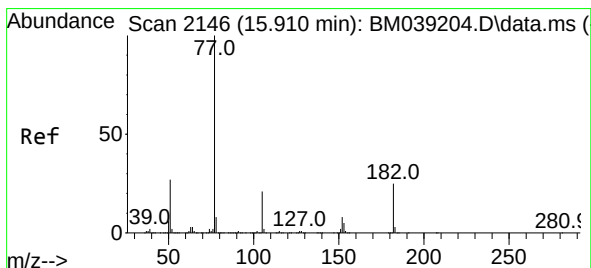
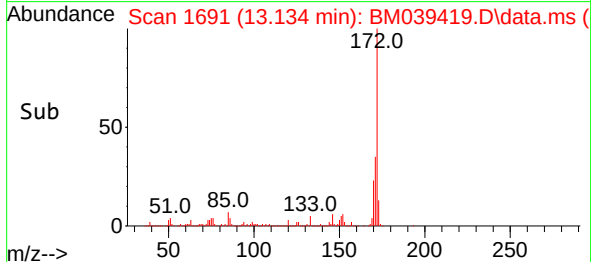
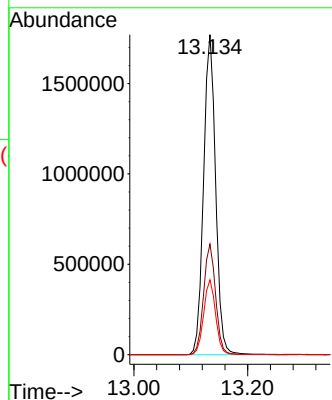
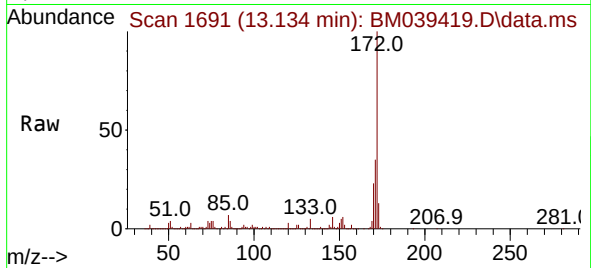




#45
2-Fluorobiphenyl
Concen: 72.872 ng
RT: 13.134 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

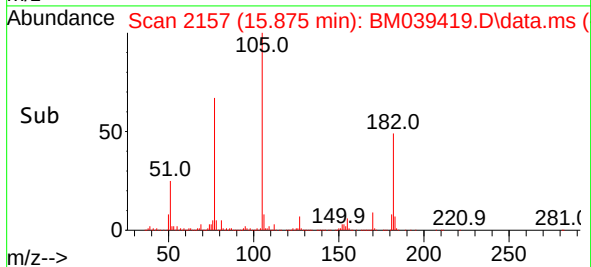
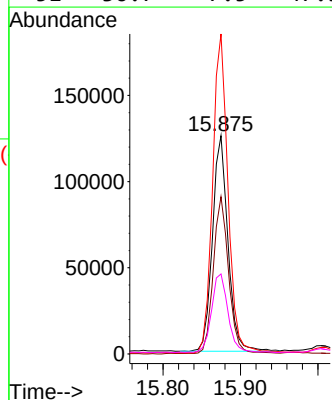
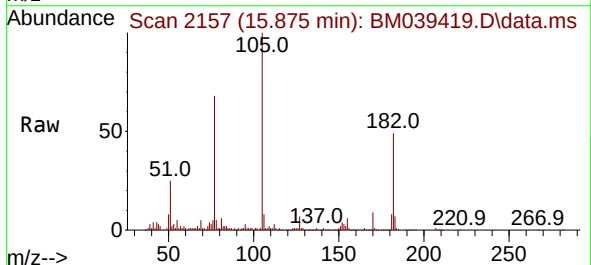
Instrument :
BNA_M
ClientSampleId :
GROUND-WATER

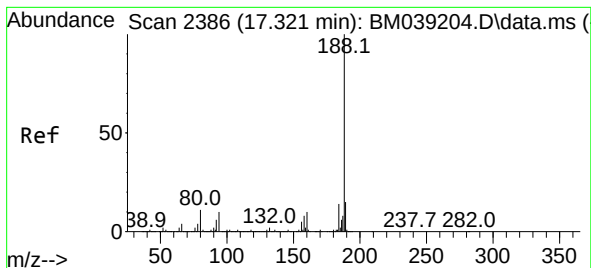
Tgt Ion:172 Resp: 2606568
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 23.4 18.7 28.1



#63
Azobenzene
Concen: 4.615 ng
RT: 15.875 min Scan# 2157
Delta R.T. 0.018 min
Lab File: BM039419.D
Acq: 13 Apr 2023 20:11

Tgt Ion: 77 Resp: 173817
Ion Ratio Lower Upper
77 100
182 72.1 4.8 44.8#
105 146.7 1.4 41.4#
51 36.7 7.5 47.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM039419.D

Acq: 13 Apr 2023 20:11

Instrument :

BNA_M

ClientSampleId :

GROUND-WATER

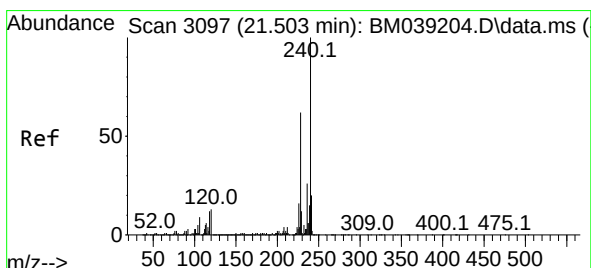
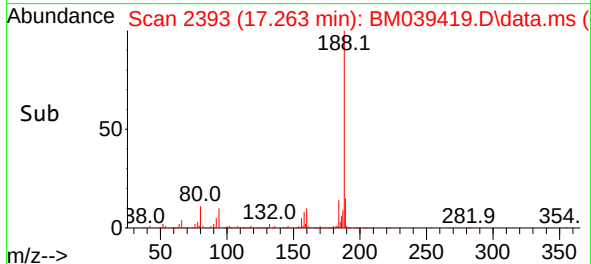
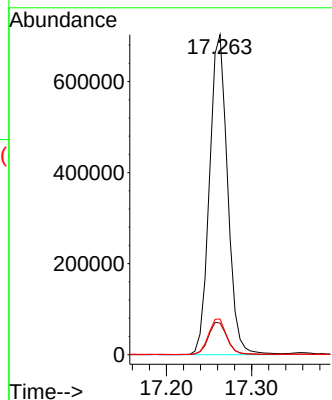
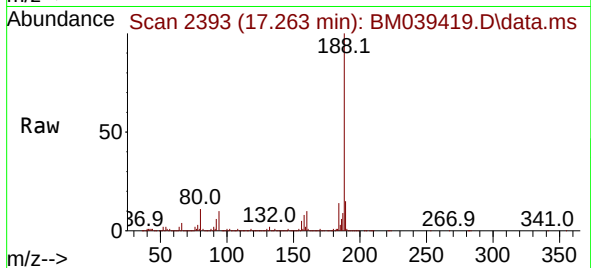
Tgt Ion:188 Resp: 1035310

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.4

80 11.1 8.9 13.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 3105

Delta R.T. -0.011 min

Lab File: BM039419.D

Acq: 13 Apr 2023 20:11

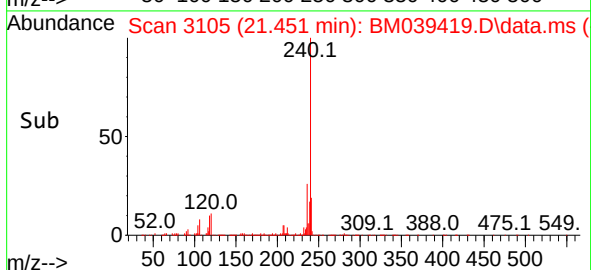
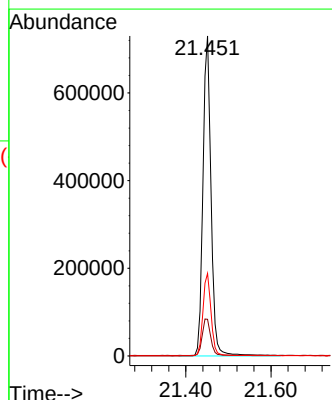
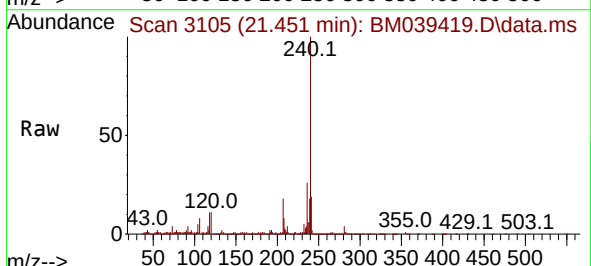
Tgt Ion:240 Resp: 964267

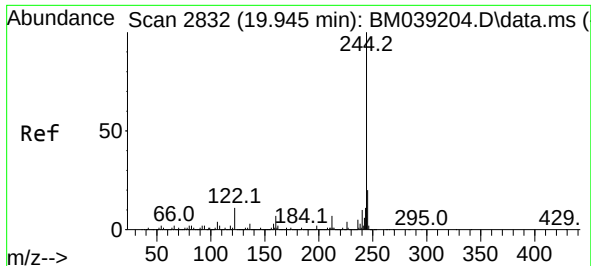
Ion Ratio Lower Upper

240 100

120 11.5 10.2 15.2

236 25.8 20.9 31.3

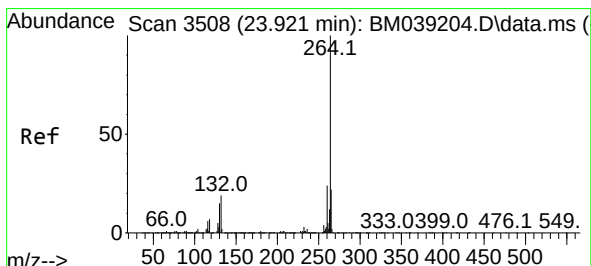
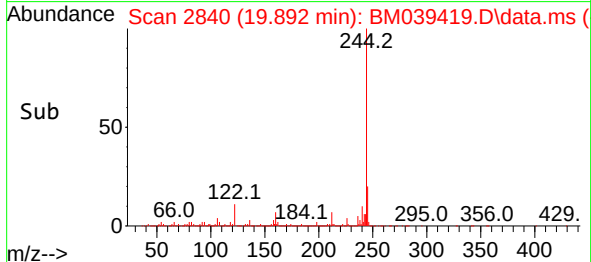
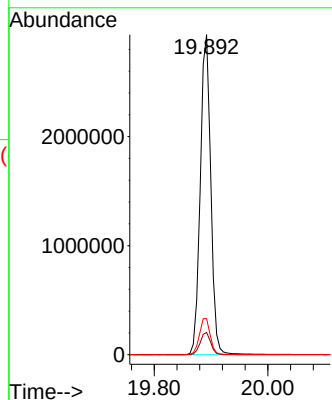
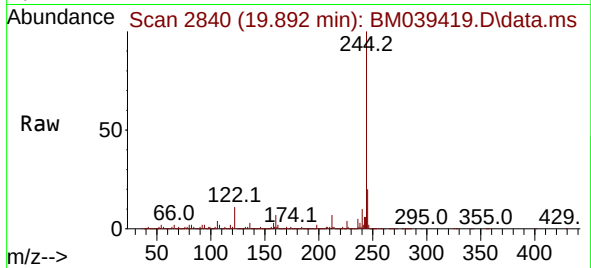




#79
 Terphenyl-d14
 Concen: 72.219 ng
 RT: 19.892 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM039419.D
 Acq: 13 Apr 2023 20:11

Instrument :
 BNA_M
 ClientSampleId :
 GROUND-WATER

Tgt Ion:244 Resp: 3769233
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.3 9.1 13.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.833 min Scan# 3510
 Delta R.T. -0.017 min
 Lab File: BM039419.D
 Acq: 13 Apr 2023 20:11

Tgt Ion:264 Resp: 1069261
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.3 18.1 27.1

