

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038735.D
 Acq On : 14 Feb 2023 18:10
 Operator : CG/JU
 Sample : 01542-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL

Quant Time: Feb 15 02:09:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

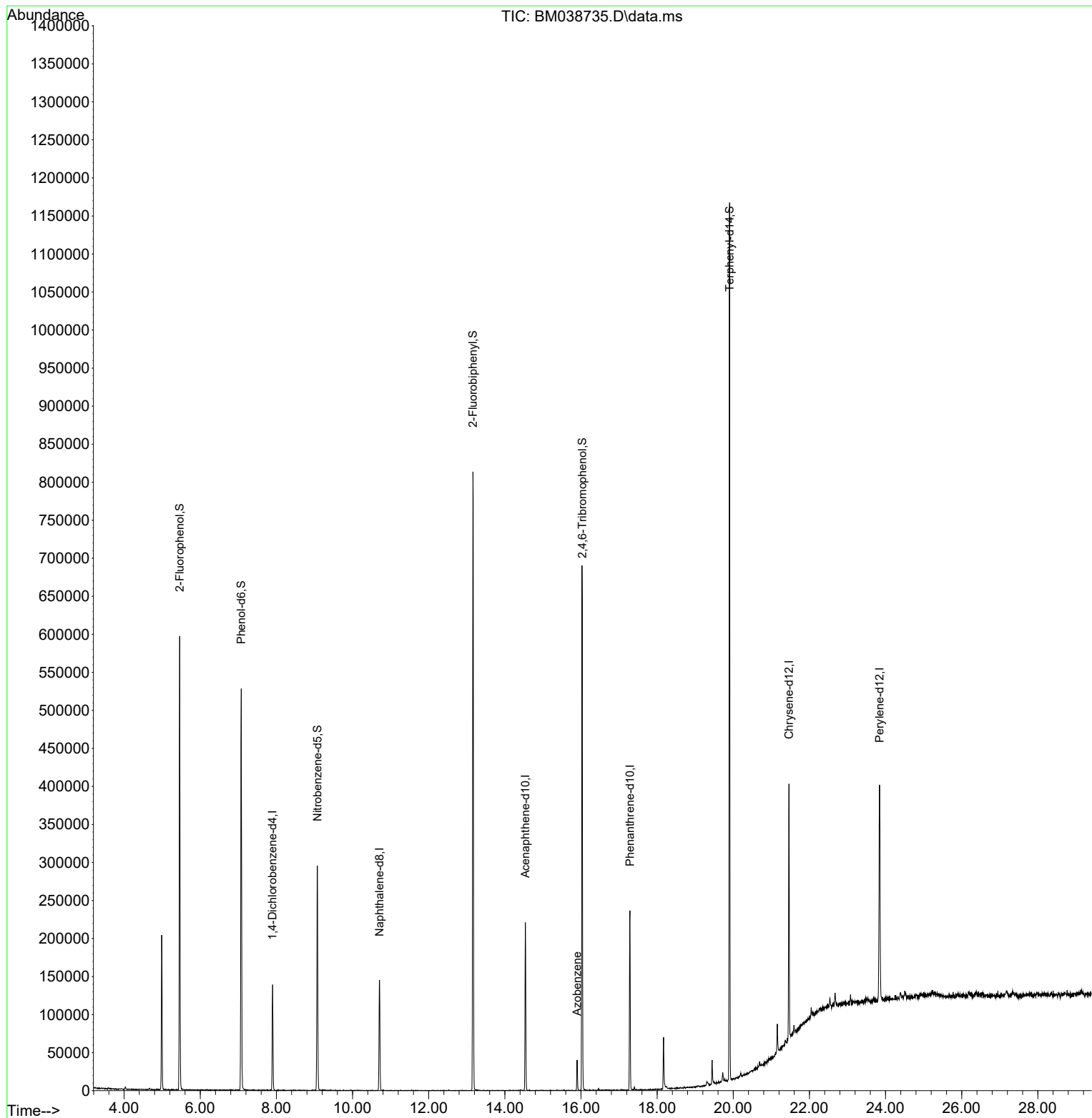
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	38889	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	126027	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	75312	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	141867	20.000	ng	0.00
76) Chrysene-d12	21.462	240	139107	20.000	ng	0.00
86) Perylene-d12	23.844	264	205674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	253747	127.817	ng	0.00
7) Phenol-d6	7.075	99	291141	128.584	ng	0.00
23) Nitrobenzene-d5	9.075	82	161645	72.853	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	117817	115.094	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	412558	69.740	ng	0.00
79) Terphenyl-d14	19.904	244	472313	59.916	ng	0.00
Target Compounds						
63) Azobenzene	15.898	77	11216	2.504	ng	Qvalue # 1

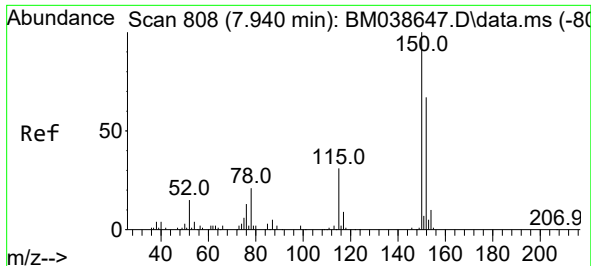
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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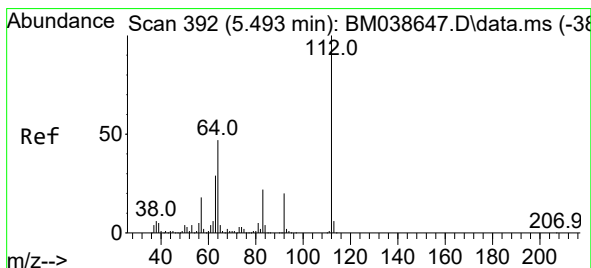
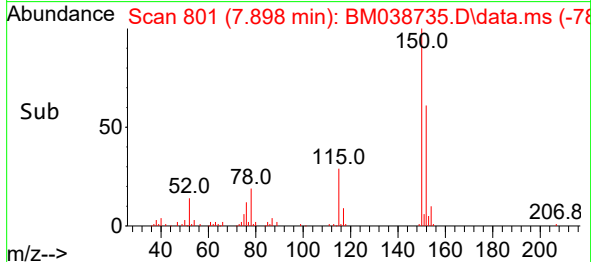
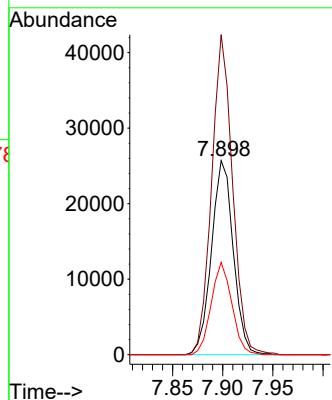
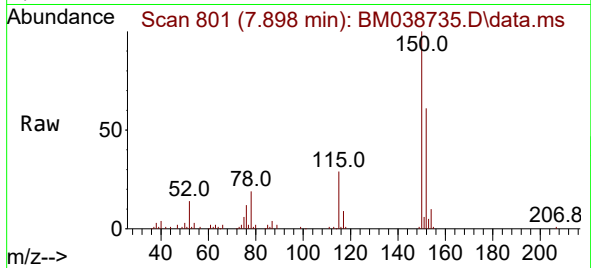




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 808
Delta R.T. 0.000 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

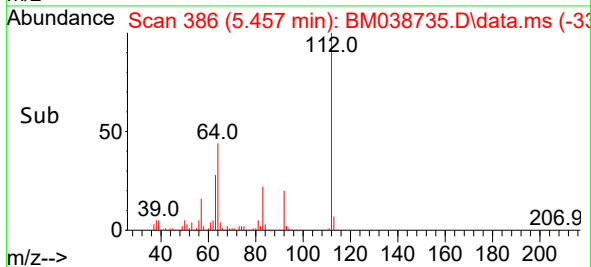
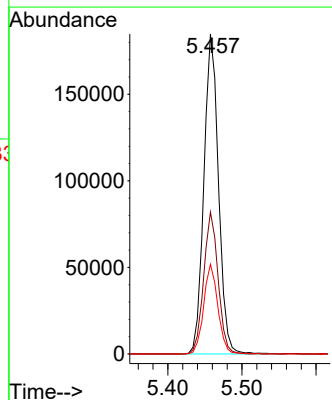
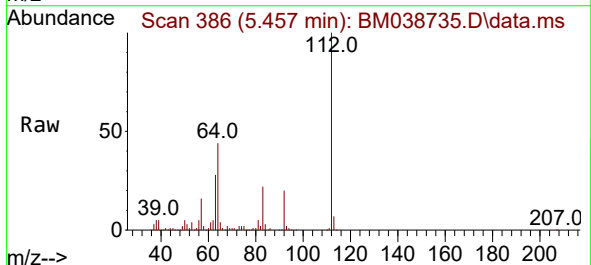
Instrument :
BNA_M
ClientSampleId :
SOIL

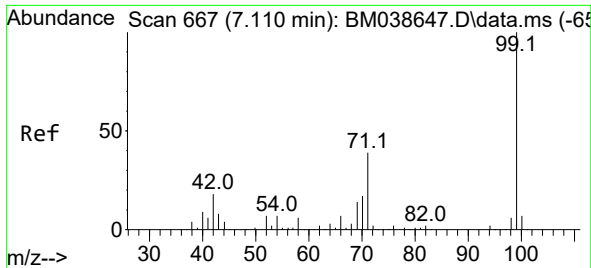
Tgt Ion:152 Resp: 38889
Ion Ratio Lower Upper
152 100
150 164.8 119.5 179.3
115 47.5 37.6 56.4



#5
2-Fluorophenol
Concen: 127.817 ng
RT: 5.457 min Scan# 386
Delta R.T. 0.000 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

Tgt Ion:112 Resp: 253747
Ion Ratio Lower Upper
112 100
64 44.3 37.9 56.9
63 28.1 23.3 34.9

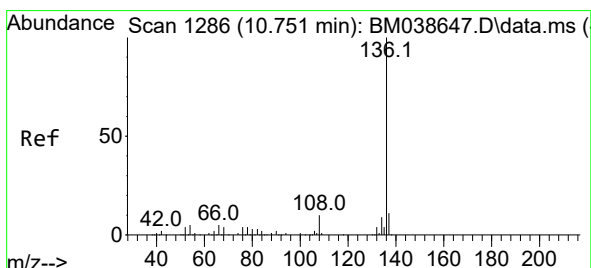
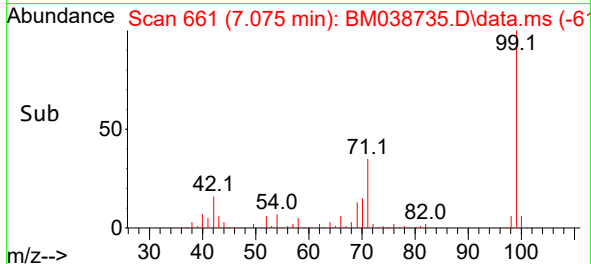
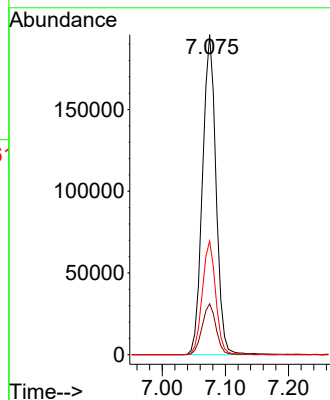
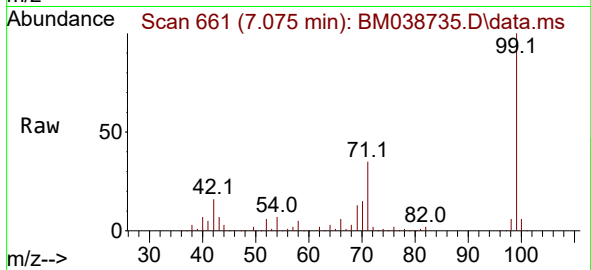




#7
Phenol-d6
Concen: 128.584 ng
RT: 7.075 min Scan# 661
Delta R.T. -0.006 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

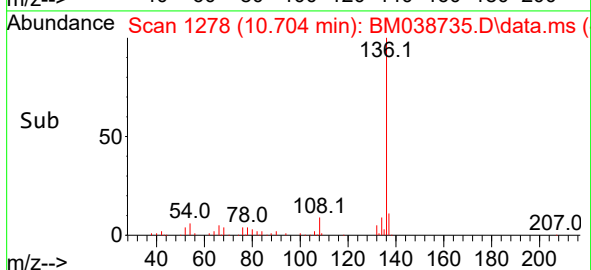
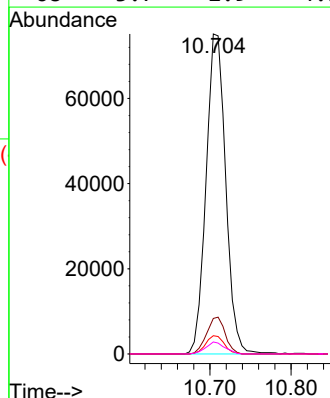
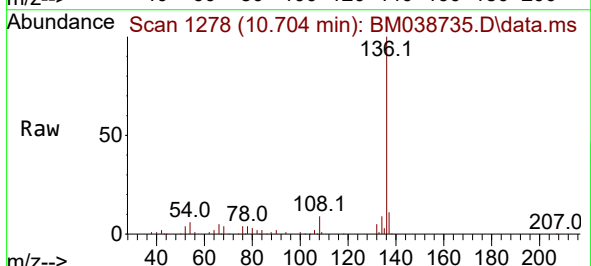
Instrument :
BNA_M
ClientSampleId :
SOIL

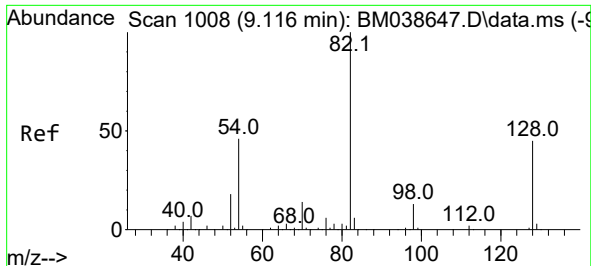
Tgt Ion: 99 Resp: 291141
Ion Ratio Lower Upper
99 100
42 15.9 14.6 22.0
71 35.5 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

Tgt Ion: 136 Resp: 126027
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.7 4.2 6.4
68 3.7 2.9 4.3

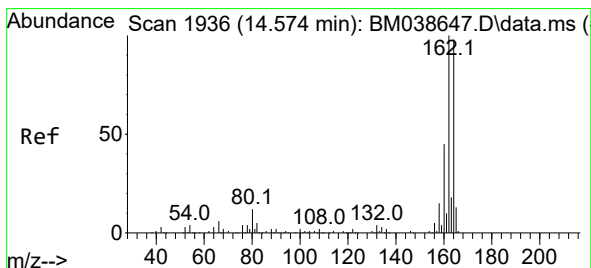
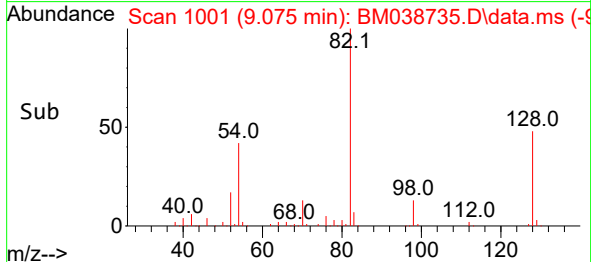
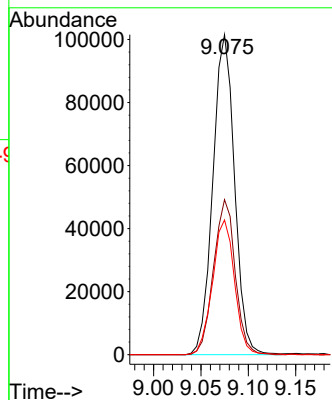
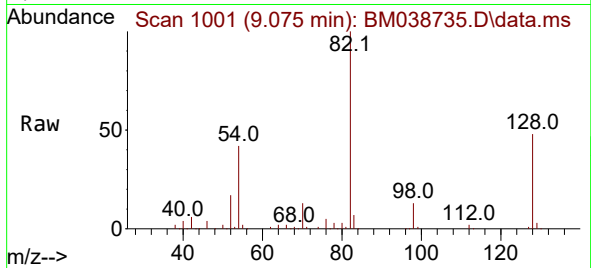




#23
Nitrobenzene-d5
Concen: 72.853 ng
RT: 9.075 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

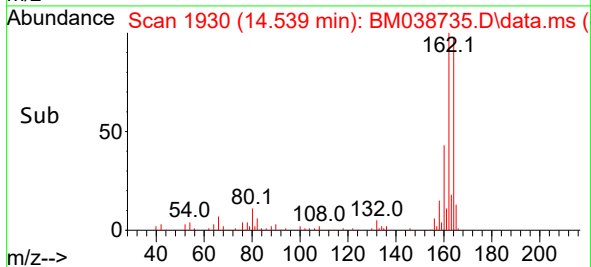
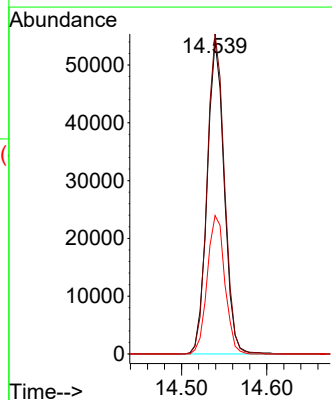
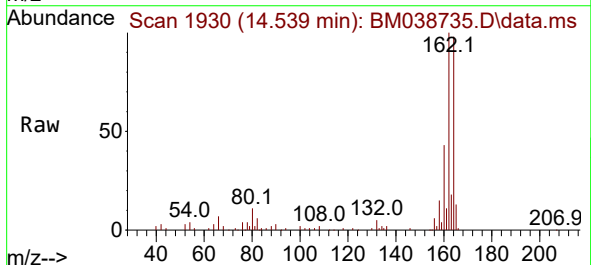
Instrument :
BNA_M
ClientSampleId :
SOIL

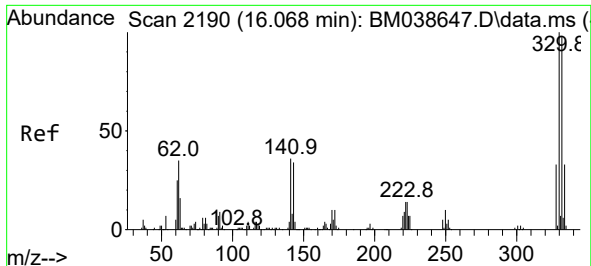
Tgt Ion: 82 Resp: 161645
Ion Ratio Lower Upper
82 100
128 48.4 36.0 54.0
54 42.1 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

Tgt Ion: 164 Resp: 75312
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 44.2 36.5 54.7

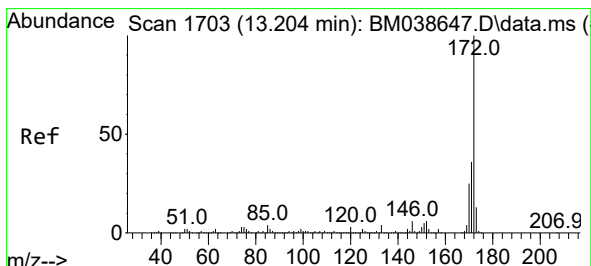
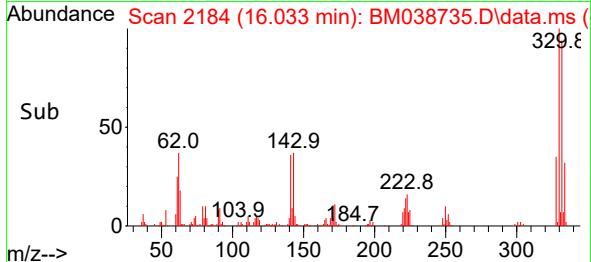
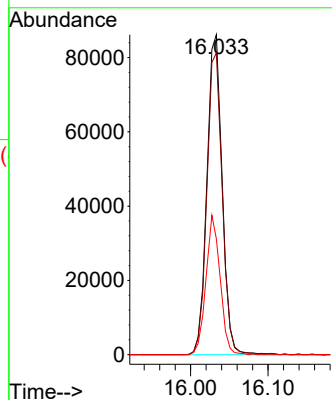
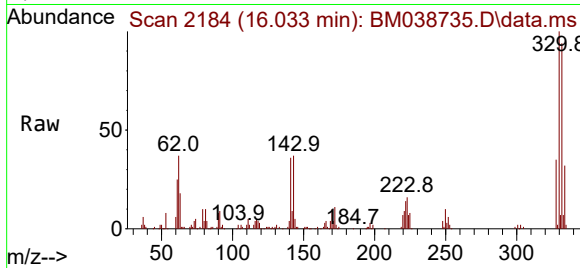




#42
2,4,6-Tribromophenol
Concen: 115.094 ng
RT: 16.033 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

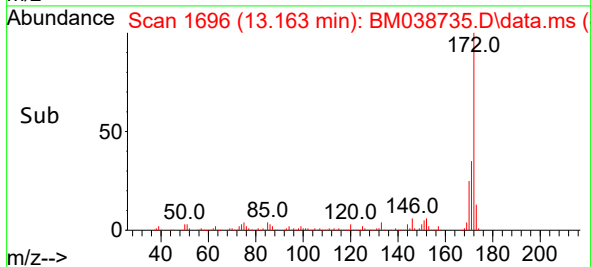
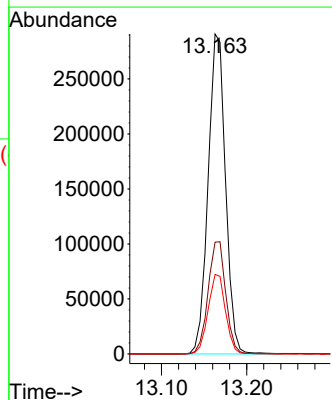
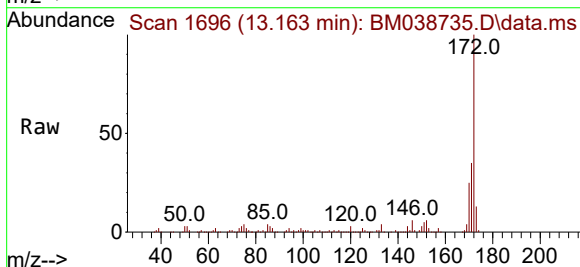
Instrument :
BNA_M
ClientSampleId :
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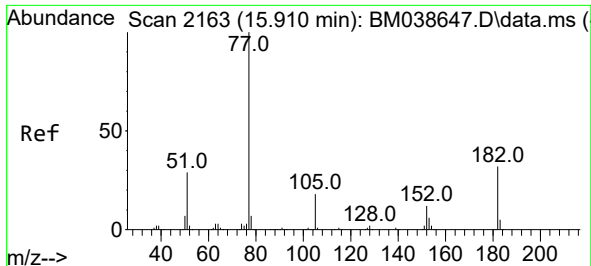
Tgt Ion:330 Resp: 117817
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.6
141 40.5 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 69.740 ng
RT: 13.163 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

Tgt Ion:172 Resp: 412558
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 24.8 20.0 30.0

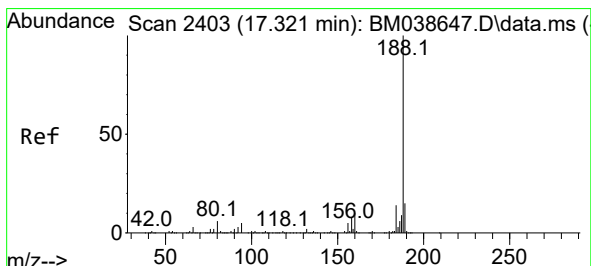
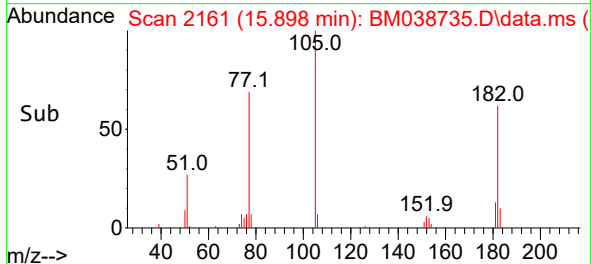
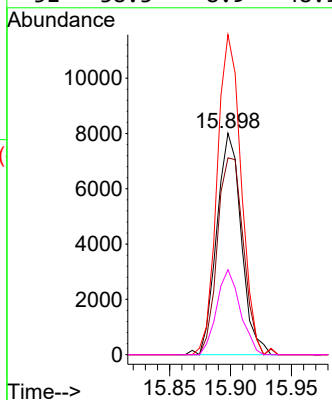
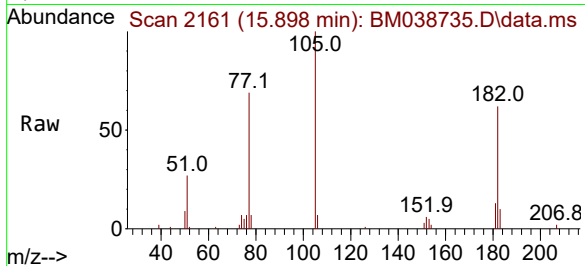




#63
Azobenzene
Concen: 2.504 ng
RT: 15.898 min Scan# 2163
Delta R.T. 0.024 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

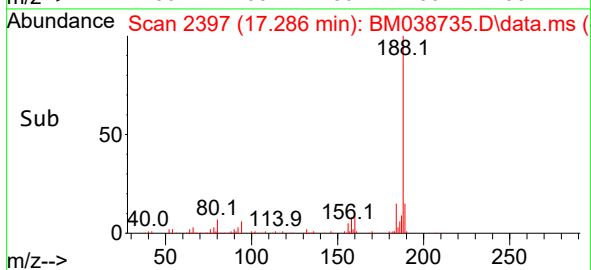
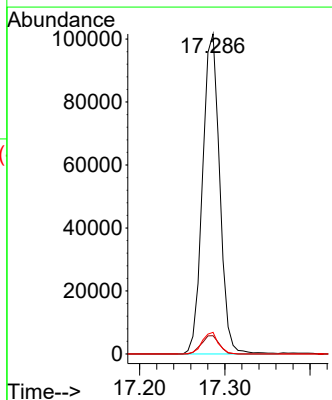
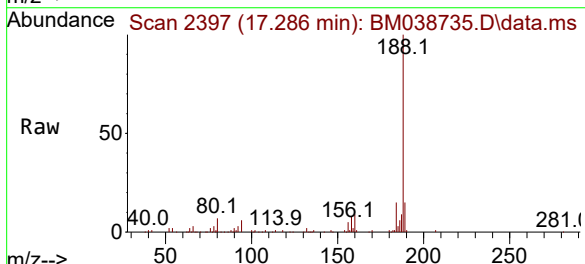
Instrument :
BNA_M
ClientSampleId :
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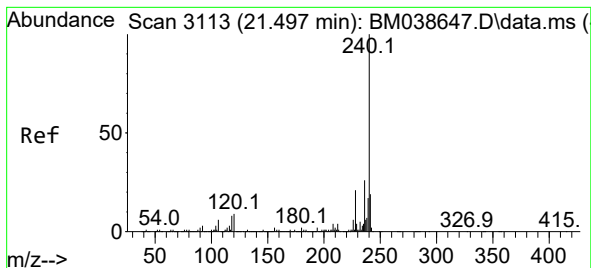
Tgt Ion: 77	Resp: 11216
Ion Ratio	Lower Upper
77 100	
182 88.9	12.0 52.0#
105 144.5	0.0 37.5#
51 38.3	8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM038735.D
Acq: 14 Feb 2023 18:10

Tgt Ion: 188	Resp: 141867
Ion Ratio	Lower Upper
188 100	
94 5.7	4.2 6.4
80 6.8	4.6 7.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BM038735.D

Acq: 14 Feb 2023 18:10

Instrument :

BNA_M

ClientSampleId :

SOIL

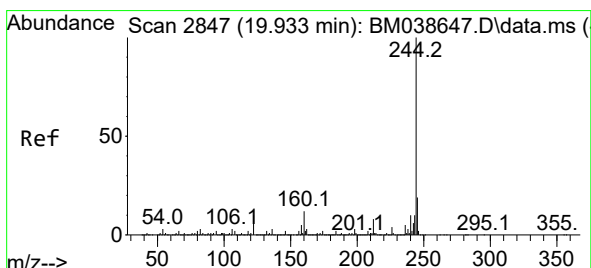
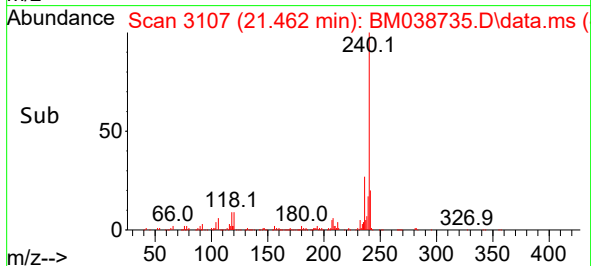
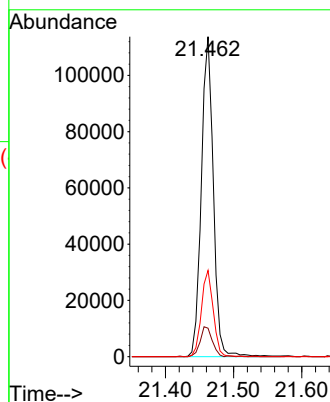
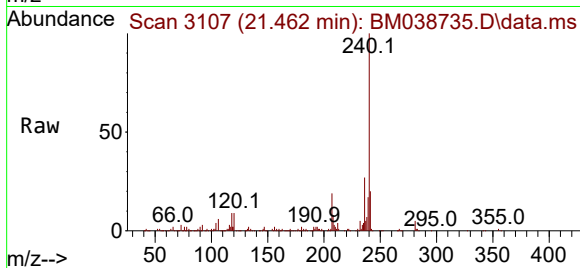
Tgt Ion:240 Resp: 139107

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.4

236 27.0 20.9 31.3



#79

Terphenyl-d14

Concen: 59.916 ng

RT: 19.904 min Scan# 2842

Delta R.T. 0.000 min

Lab File: BM038735.D

Acq: 14 Feb 2023 18:10

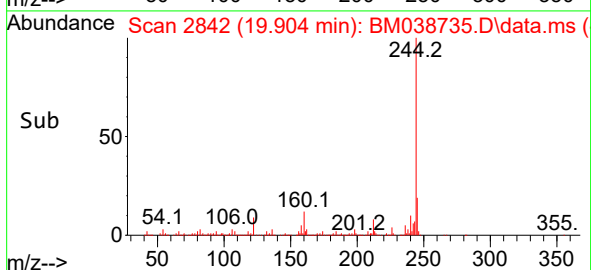
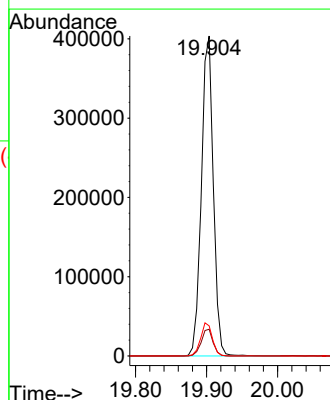
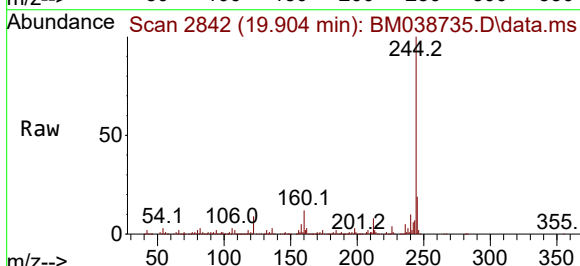
Tgt Ion:244 Resp: 472313

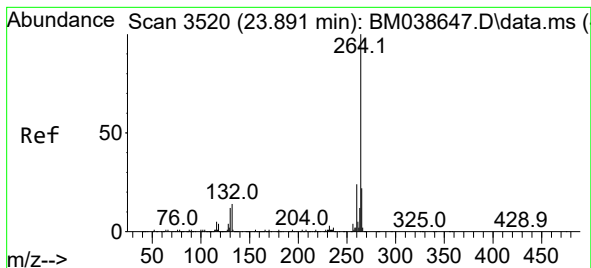
Ion Ratio Lower Upper

244 100

212 8.4 6.6 9.8

122 9.4 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM038735.D

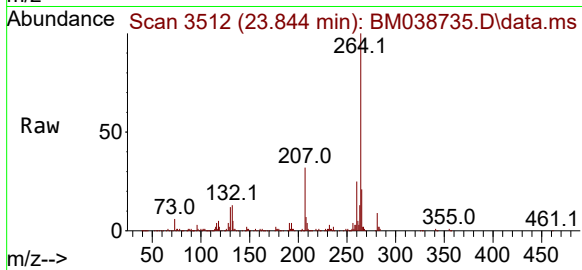
Acq: 14 Feb 2023 18:10

Instrument :

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Tgt Ion:264 Resp: 205674

Ion Ratio Lower Upper

264 100

260 25.1 19.6 29.4

265 21.4 17.9 26.9

