

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039068.D
 Acq On : 21 Mar 2023 14:29
 Operator : CG/JU
 Sample : 01963-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NYE-SOIL-0316

Quant Time: Mar 22 03:39:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

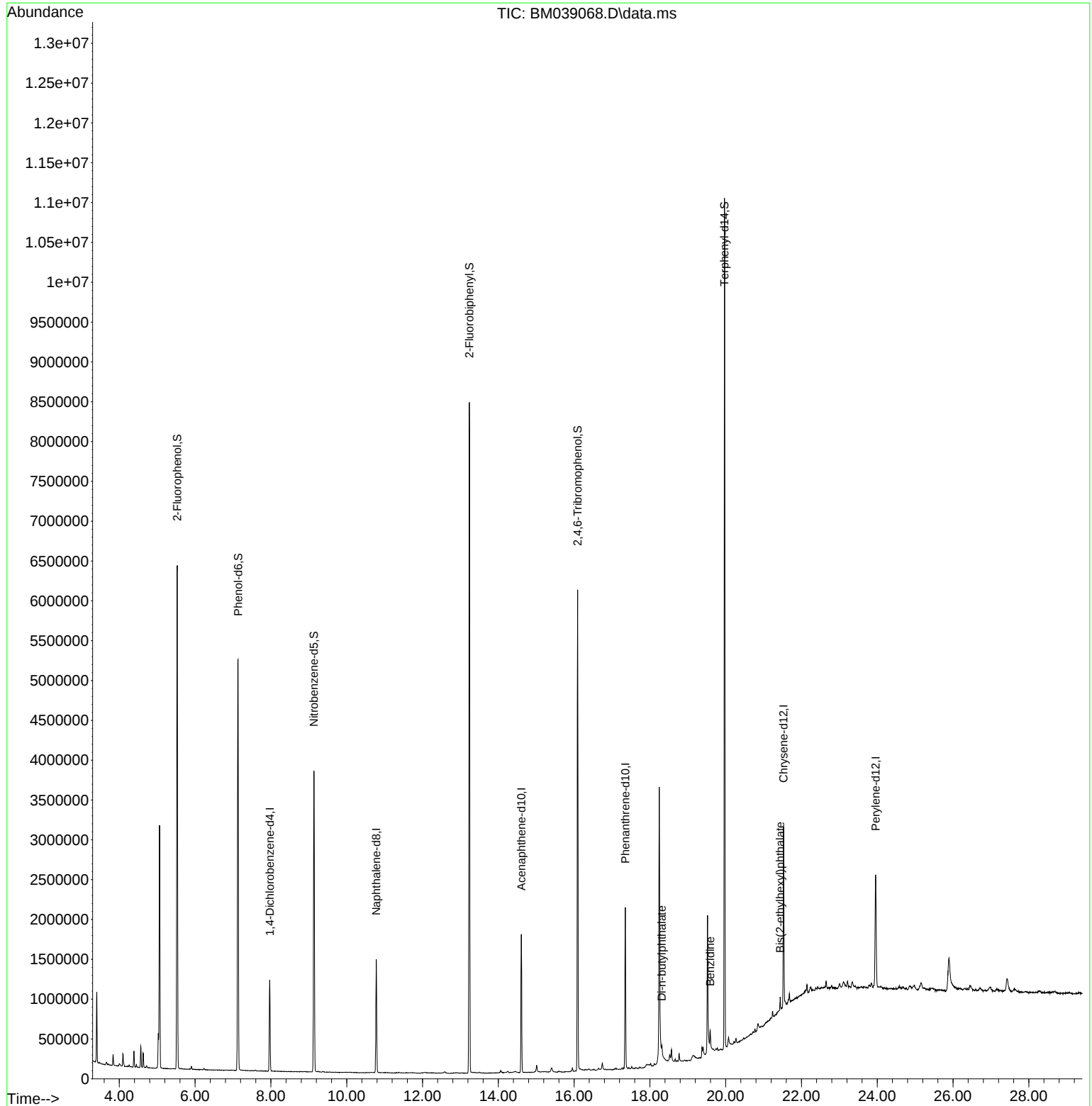
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	299769	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1126993	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	595246	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1138749	20.000	ng	0.00
76) Chrysene-d12	21.527	240	938742	20.000	ng	0.00
86) Perylene-d12	23.956	264	1037866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2771469	140.464	ng	0.00
7) Phenol-d6	7.134	99	3103298	121.088	ng	0.00
23) Nitrobenzene-d5	9.134	82	2219382	96.734	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	986127	143.206	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4259472	93.154	ng	0.00
79) Terphenyl-d14	19.968	244	5167999	100.654	ng	0.00
Target Compounds						Qvalue
74) Di-n-butylphthalate	18.315	149	73936	2.758	ng	98
77) Benzidine	19.592	184	147113	11.053	ng	98
84) Bis(2-ethylhexyl)phtha...	21.439	149	57087	3.734	ng	99

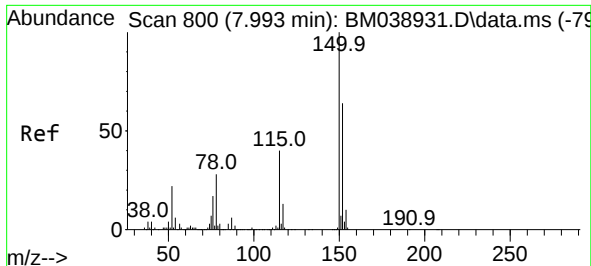
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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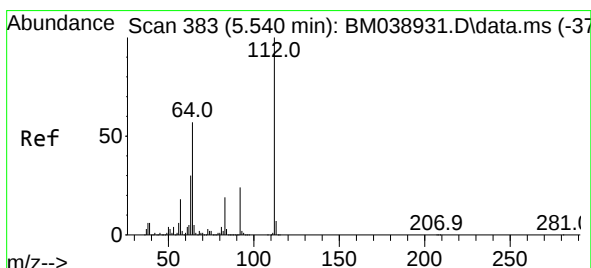
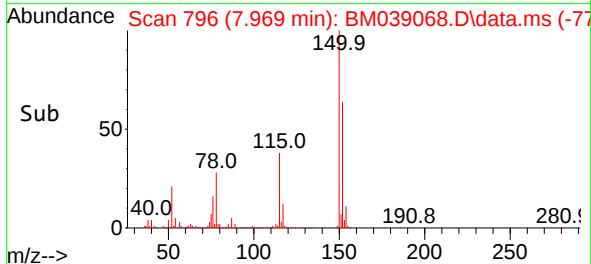
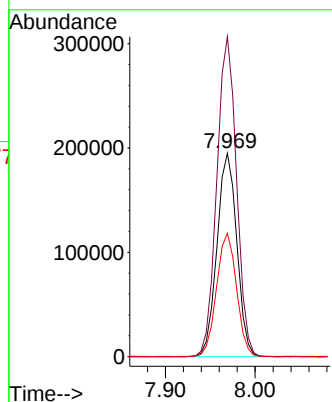
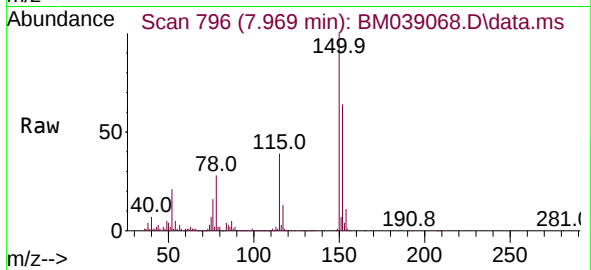




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

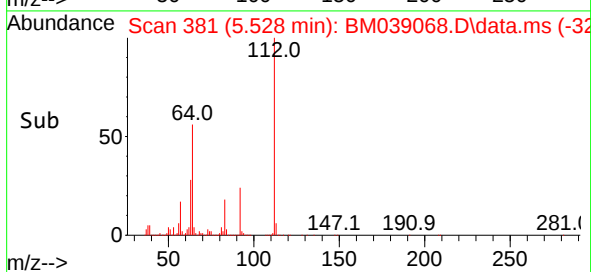
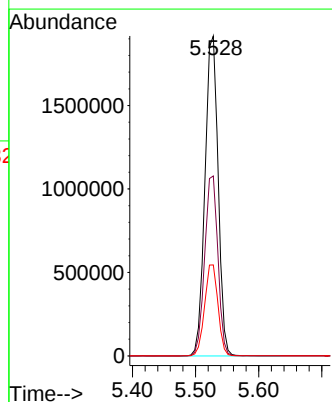
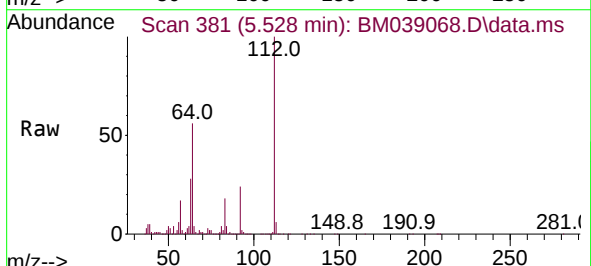
Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

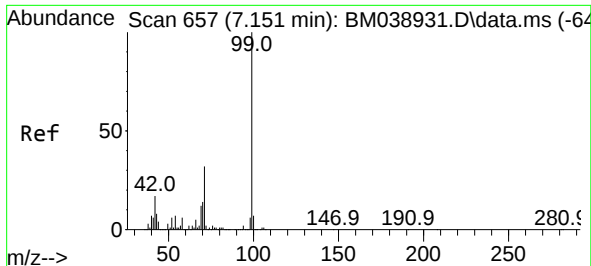
Tgt Ion:152 Resp: 299769
Ion Ratio Lower Upper
152 100
150 157.3 125.1 187.7
115 60.7 49.6 74.4



#5
2-Fluorophenol
Concen: 140.464 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:112 Resp: 2771469
Ion Ratio Lower Upper
112 100
64 56.2 45.9 68.9
63 28.4 23.8 35.8



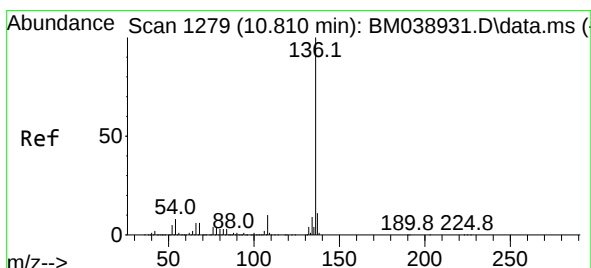
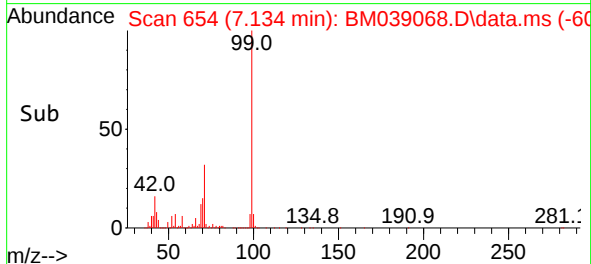
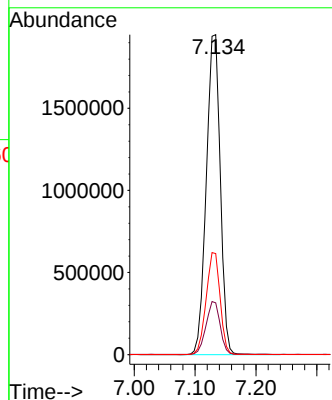
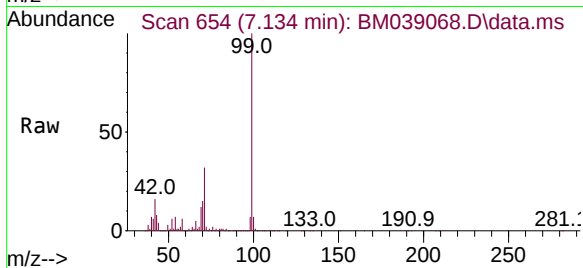


#7
Phenol-d6
Concen: 121.088 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

Tgt Ion: 99 Resp: 3103298

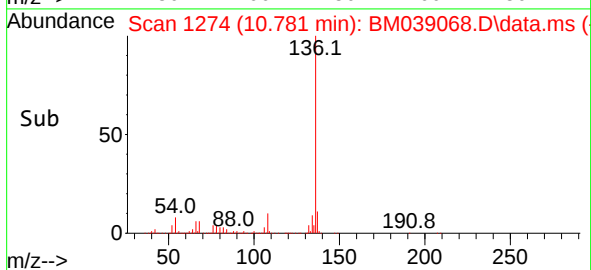
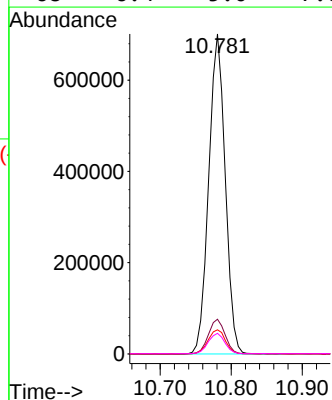
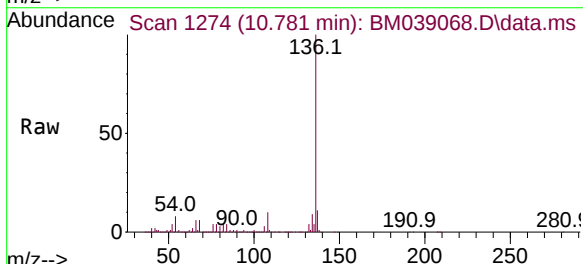
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	31.6	25.6	38.4

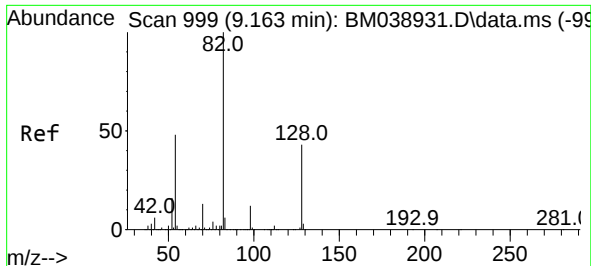


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion: 136 Resp: 1126993

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	6.3	9.5
68	6.4	5.0	7.6

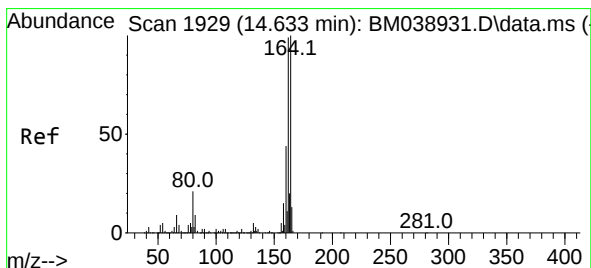
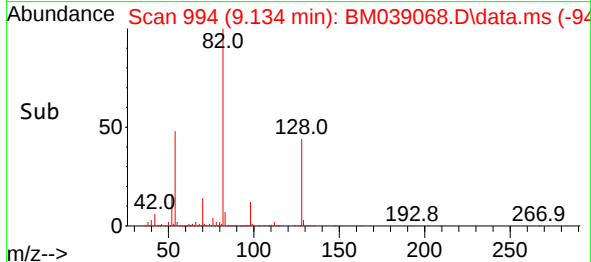
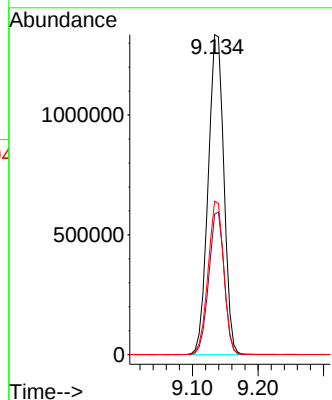
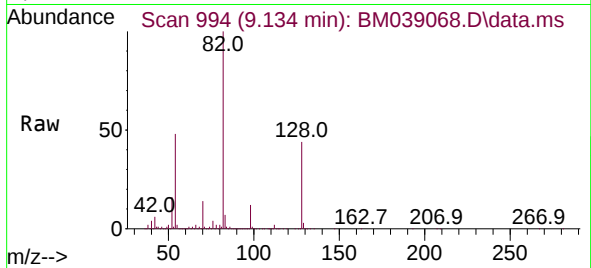




#23
 Nitrobenzene-d5
 Concen: 96.734 ng
 RT: 9.134 min Scan# 999
 Delta R.T. -0.006 min
 Lab File: BM039068.D
 Acq: 21 Mar 2023 14:29

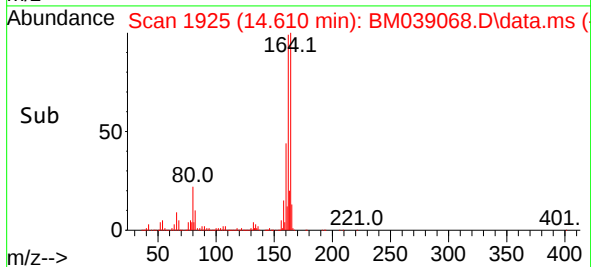
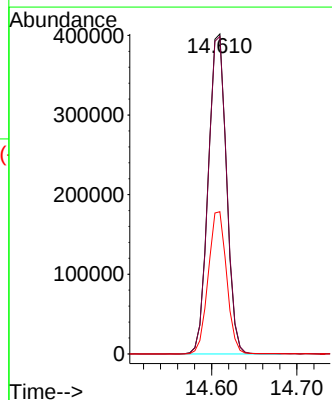
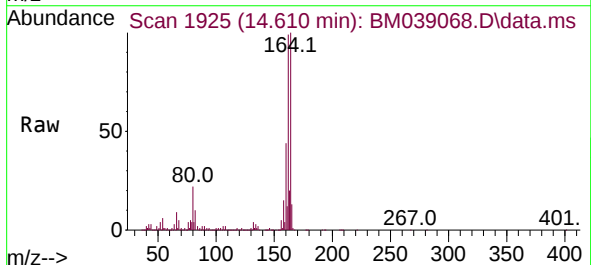
Instrument :
 BNA_M
 ClientSampleId :
 NYE-SOIL-0316

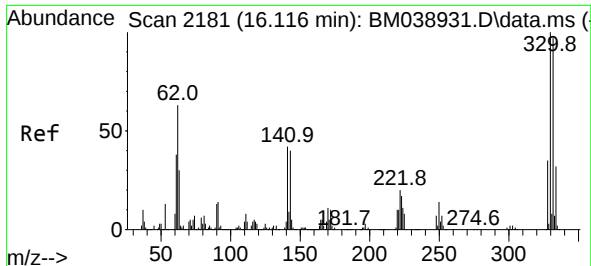
Tgt Ion: 82 Resp: 2219382
 Ion Ratio Lower Upper
 82 100
 128 43.9 34.4 51.6
 54 47.9 38.8 58.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.610 min Scan# 1925
 Delta R.T. 0.000 min
 Lab File: BM039068.D
 Acq: 21 Mar 2023 14:29

Tgt Ion:164 Resp: 595246
 Ion Ratio Lower Upper
 164 100
 162 99.2 79.2 118.8
 160 44.4 35.5 53.3

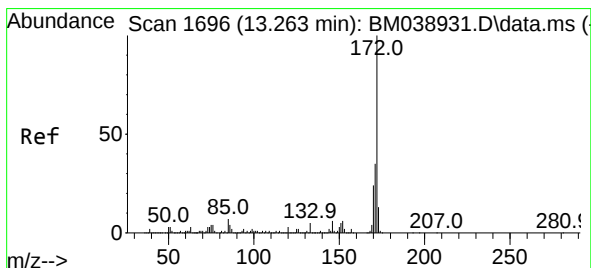
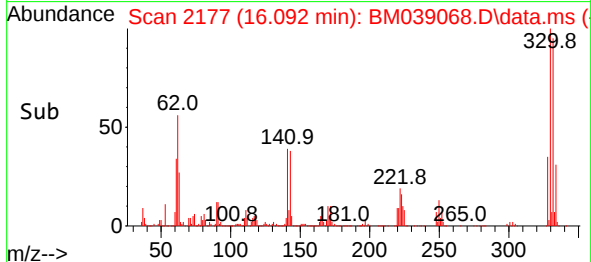
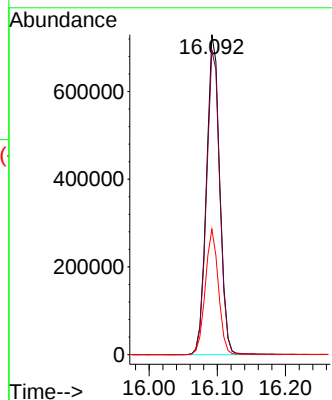
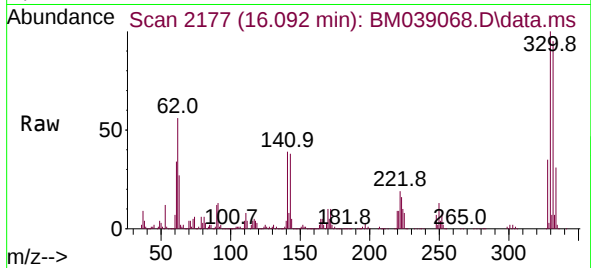




#42
2,4,6-Tribromophenol
Concen: 143.206 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

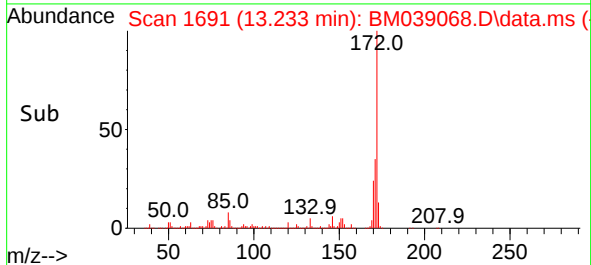
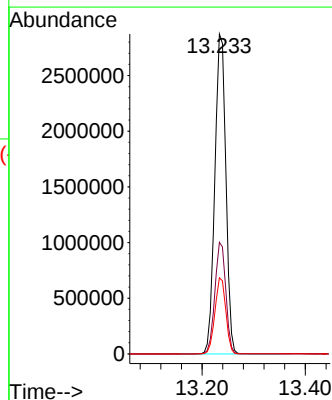
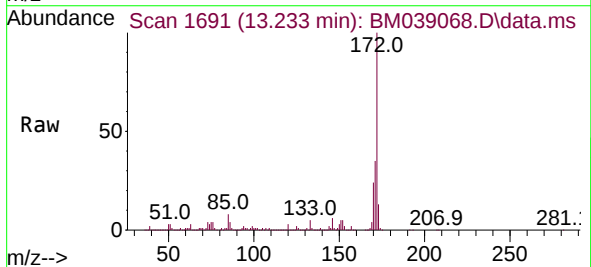
Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

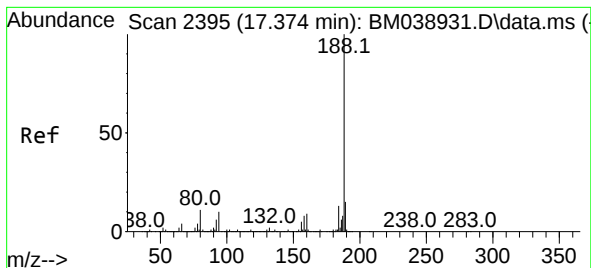
Tgt Ion:330 Resp: 986127
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 38.8 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 93.154 ng
RT: 13.233 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:172 Resp: 4259472
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.8 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

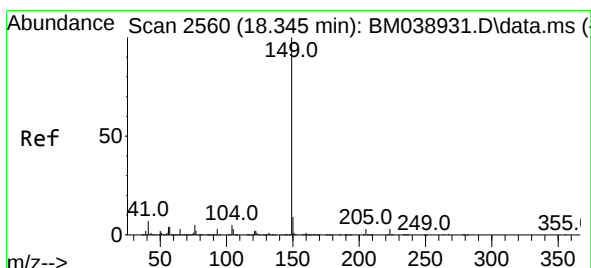
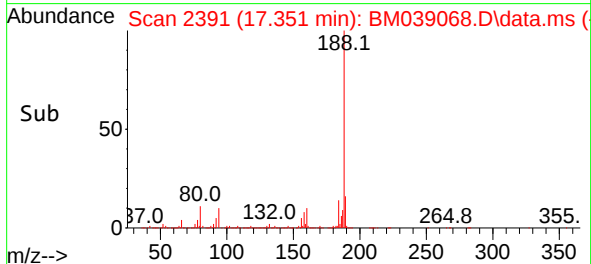
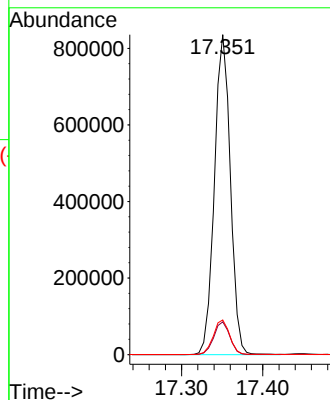
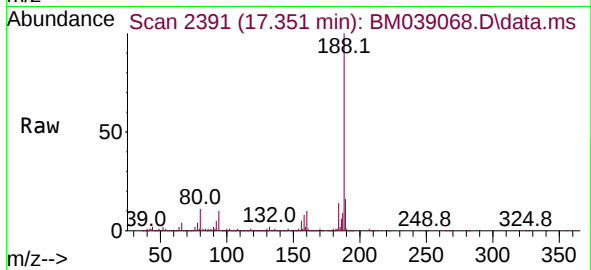
Tgt Ion:188 Resp: 1138749

Ion Ratio Lower Upper

188 100

94 10.3 7.9 11.9

80 10.8 8.5 12.7



#74

Di-n-butylphthalate

Concen: 2.758 ng

RT: 18.315 min Scan# 2555

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

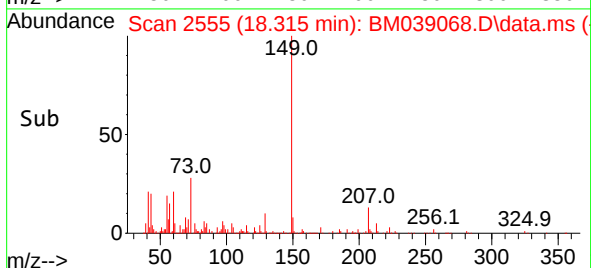
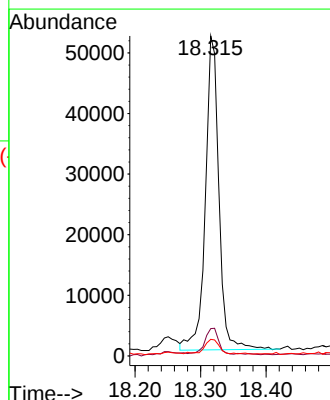
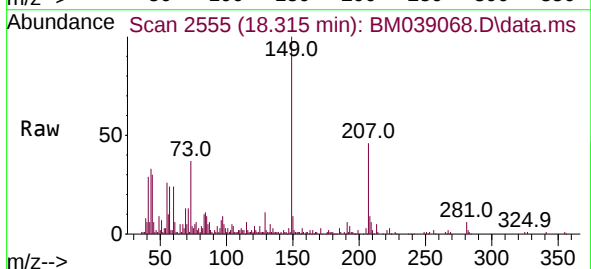
Tgt Ion:149 Resp: 73936

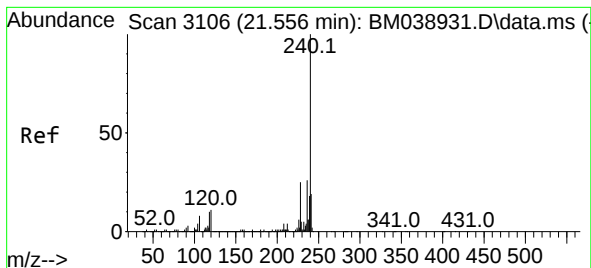
Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 5.2 4.3 6.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

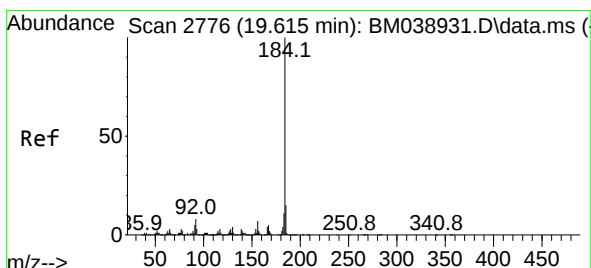
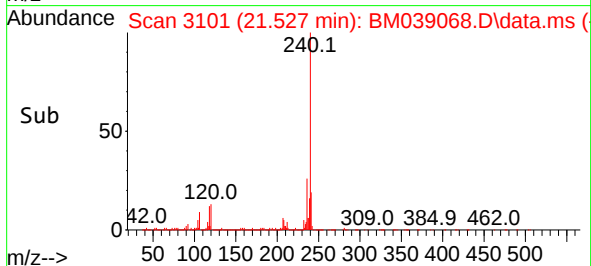
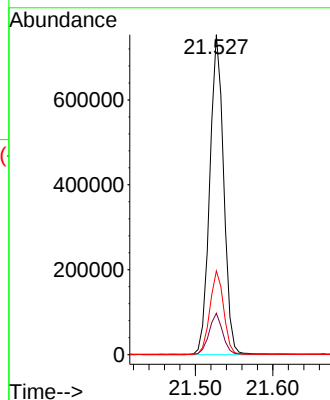
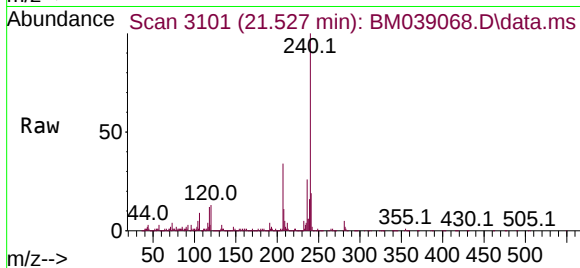
Tgt Ion:240 Resp: 938742

Ion Ratio Lower Upper

240 100

120 12.9 9.2 13.8

236 26.2 20.8 31.2



#77

Benzidine

Concen: 11.053 ng

RT: 19.592 min Scan# 2772

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

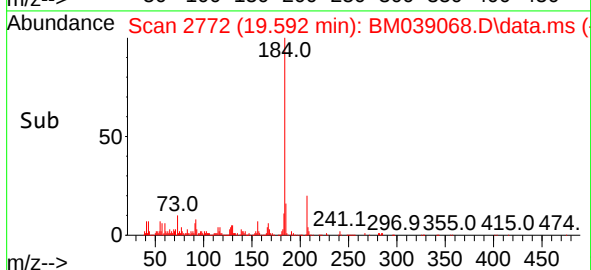
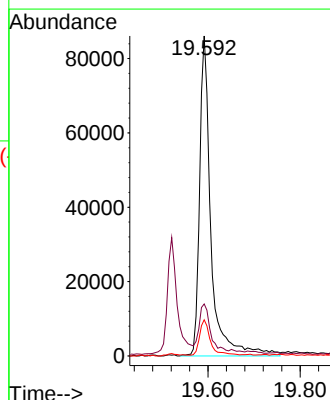
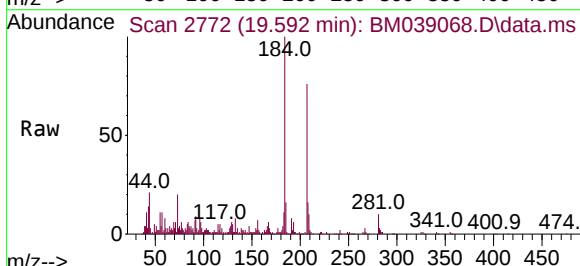
Tgt Ion:184 Resp: 147113

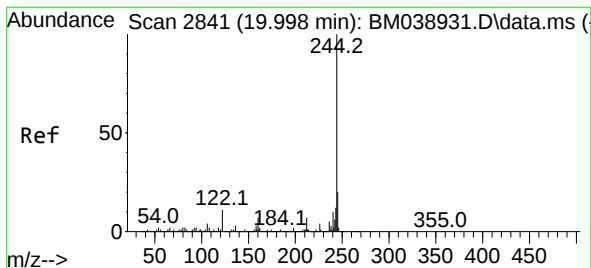
Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.4

183 11.3 8.8 13.2





#79

Terphenyl-d14

Concen: 100.654 ng

RT: 19.968 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

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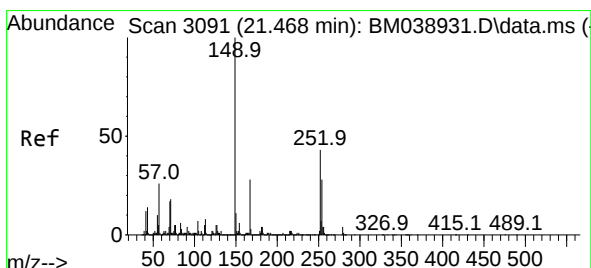
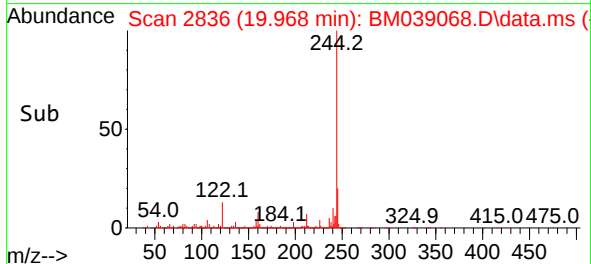
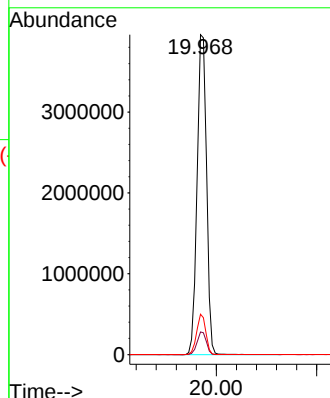
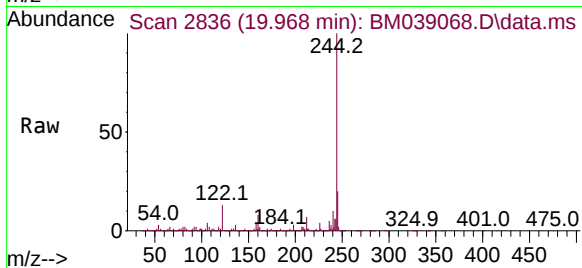
Tgt Ion:244 Resp: 5167999

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.6 9.0 13.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.734 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

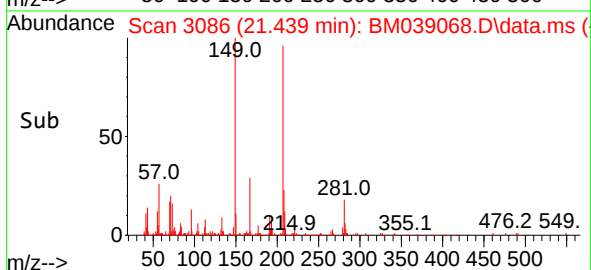
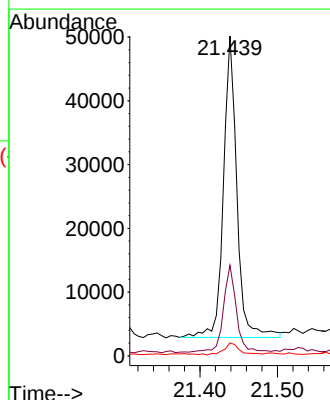
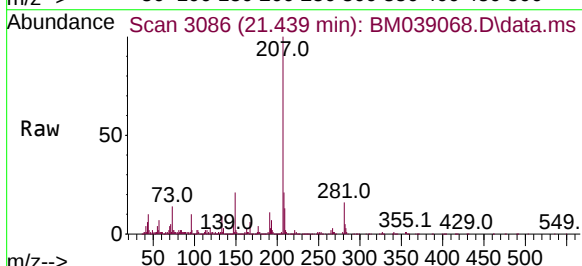
Tgt Ion:149 Resp: 57087

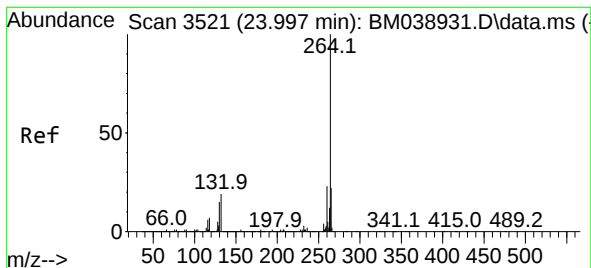
Ion Ratio Lower Upper

149 100

167 28.3 22.3 33.5

279 4.1 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:264 Resp: 1037866

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 23.2 17.9 26.9

