

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012022\
 Data File : BF126609.D
 Acq On : 20 Jan 2022 14:31
 Operator : CG/JU
 Sample : N1189-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-1

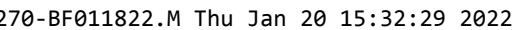
Quant Time: Jan 20 15:32:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

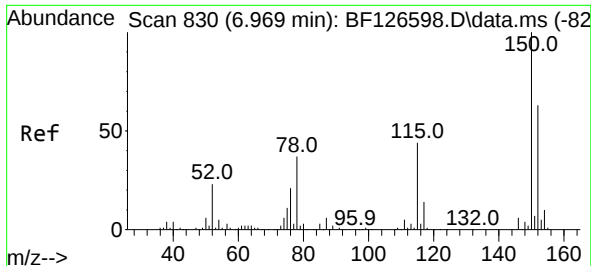
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	99306	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	389584	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	208506	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	340909	20.000	ng	0.00
76) Chrysene-d12	14.139	240	190020	20.000	ng	#-0.01
86) Perylene-d12	15.668	264	199589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	752496	99.713	ng	0.00
7) Phenol-d6	6.575	99	1025041	97.761	ng	0.00
23) Nitrobenzene-d5	7.522	82	759452	76.301	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	195336	100.106	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	911443	66.946	ng	0.00
79) Terphenyl-d14	13.086	244	744630	65.727	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.575	77	2136	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.522	70	105288	13.759	ng	# 71
25) Isophorone	7.522	82	759440	39.344	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	26375	10.321	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	26375	8.517	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.792	198	564	7.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	13916	3.542	ng	# 1

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

Quant Time: Jan 20 15:32:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
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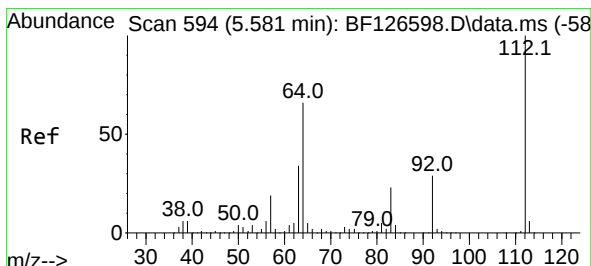
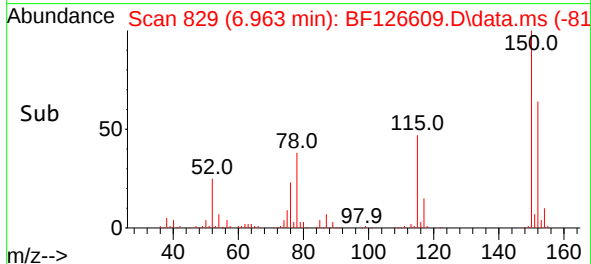
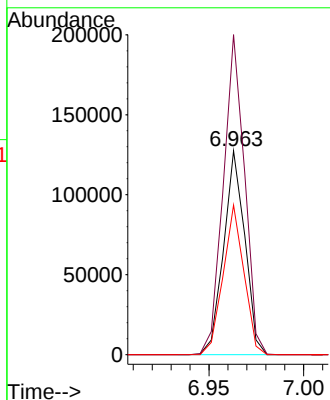
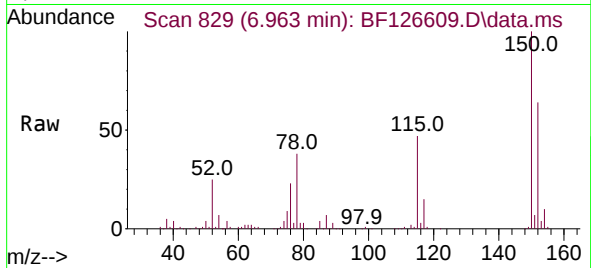




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

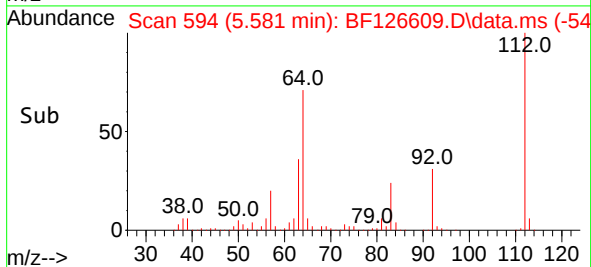
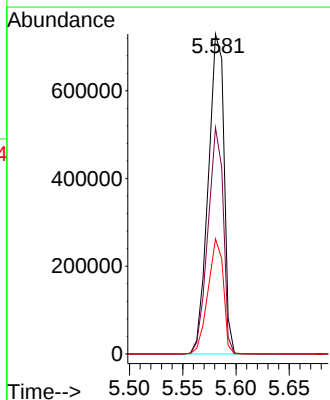
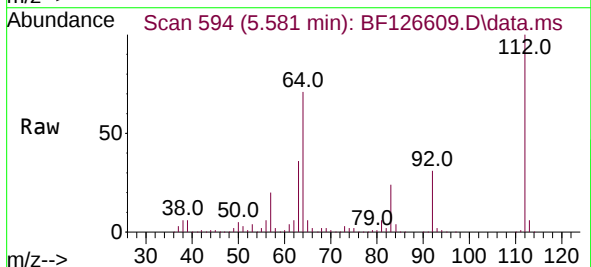
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-1

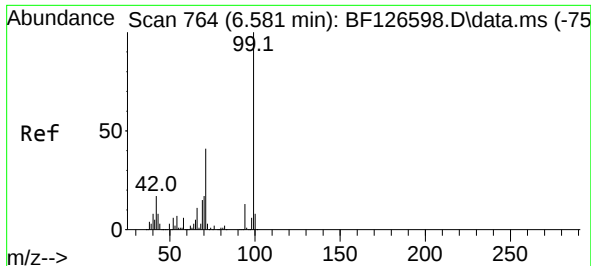
Tgt Ion:152 Resp: 99306
Ion Ratio Lower Upper
152 100
150 157.0 128.1 192.1
115 73.4 56.7 85.1



#5
2-Fluorophenol
Concen: 99.713 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

Tgt Ion:112 Resp: 752496
Ion Ratio Lower Upper
112 100
64 70.8 49.5 74.3
63 36.0 23.9 35.9#





#7

Phenol-d6

Concen: 97.761 ng

RT: 6.575 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Instrument :

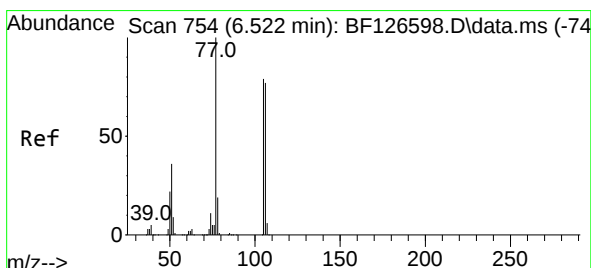
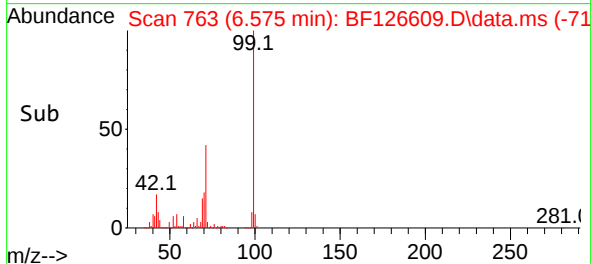
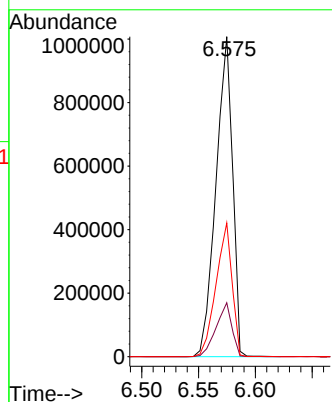
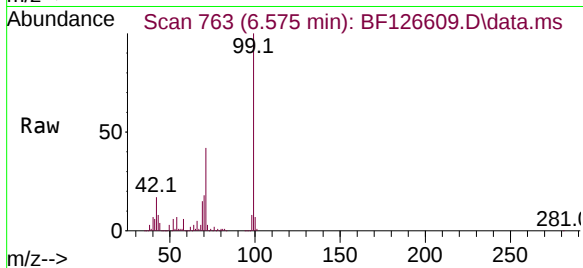
BNA_F

ClientSampleId :

MTR-SOIL-1

Tgt Ion: 99 Resp: 1025041

Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.2	21.4
71	41.8	24.3	36.5



#9

Benzaldehyde

Concen: Below Cal

RT: 6.575 min Scan# 763

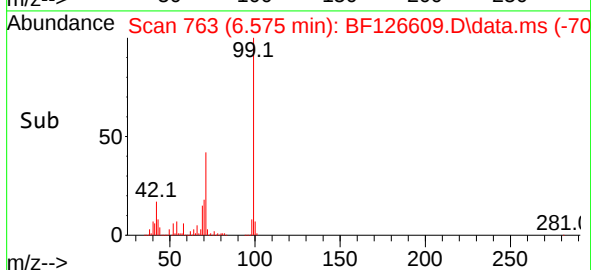
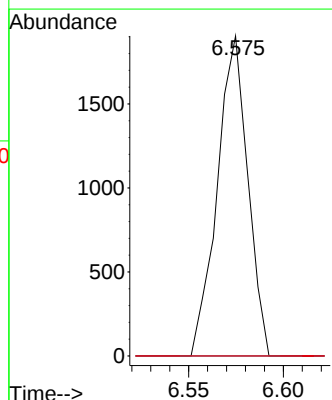
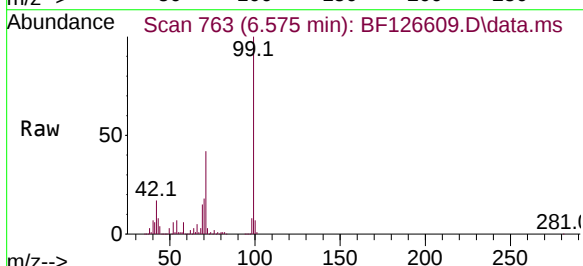
Delta R.T. 0.053 min

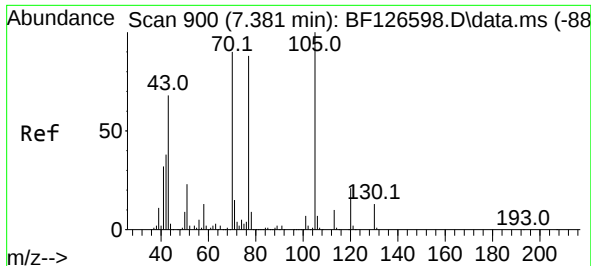
Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Tgt Ion: 77 Resp: 2136

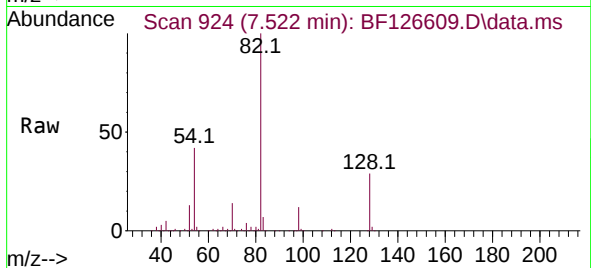
Ion	Ratio	Lower	Upper
77	100		
105	0.0	74.9	114.9
106	0.0	72.4	112.4



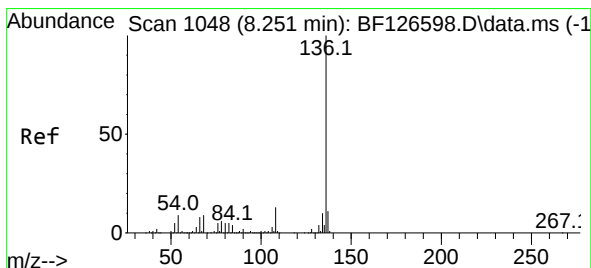
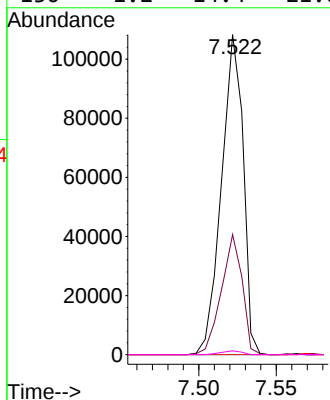
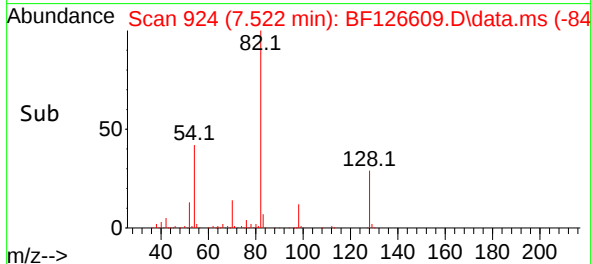


#19
n-Nitroso-di-n-propylamine
Concen: 13.759 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

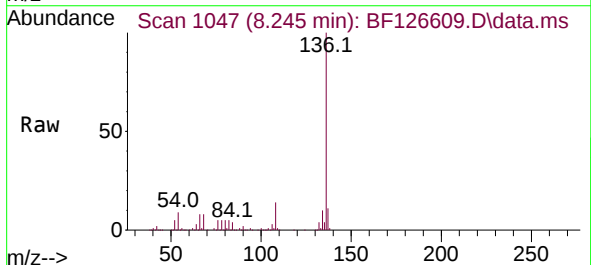
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-1



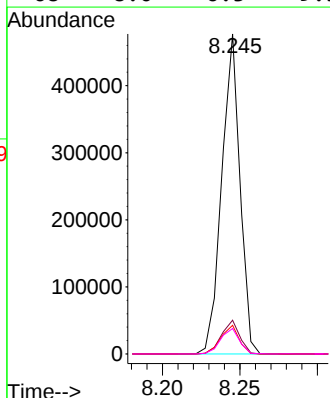
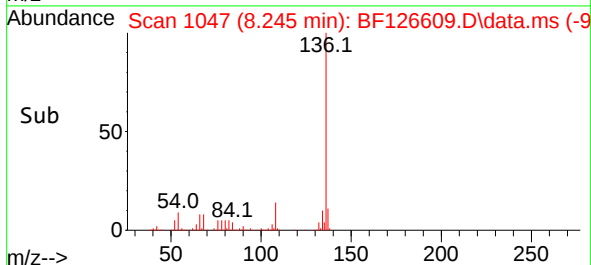
Tgt Ion: 70 Resp: 105288
Ion Ratio Lower Upper
70 100
42 37.6 45.8 68.8#
101 0.0 6.9 10.3#
130 1.2 14.4 21.6#

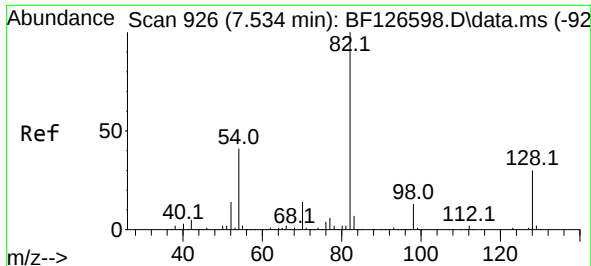


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31



Tgt Ion: 136 Resp: 389584
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.9 7.8 11.6
68 8.0 6.3 9.5

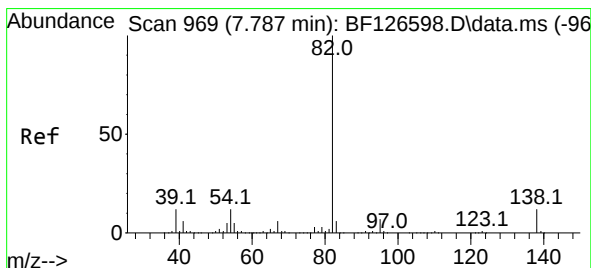
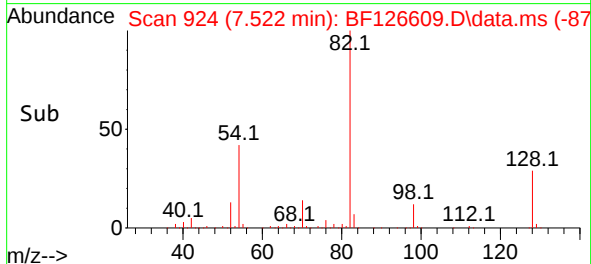
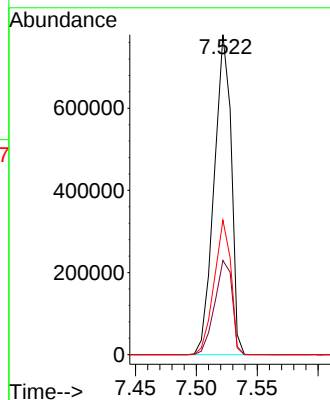
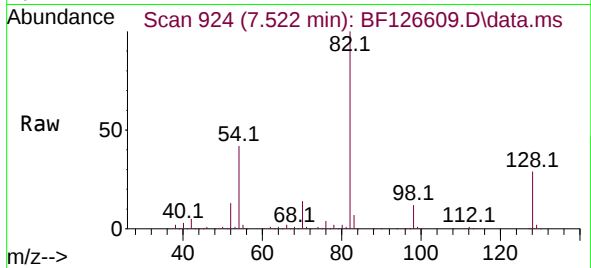




#23
Nitrobenzene-d5
Concen: 76.301 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

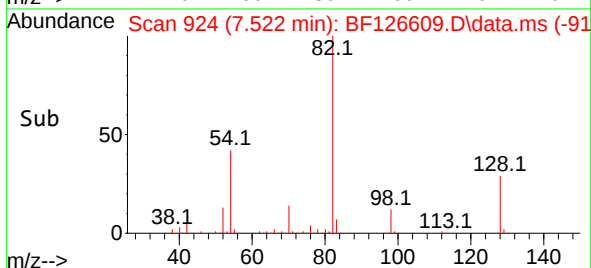
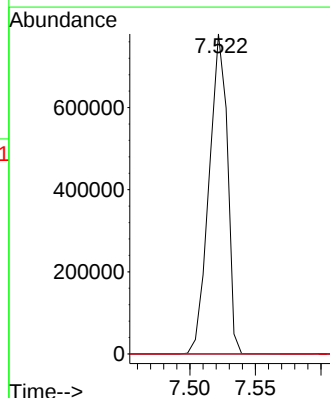
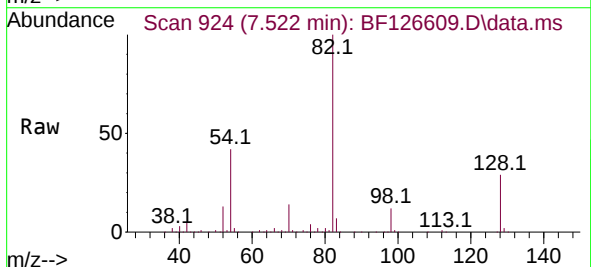
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-1

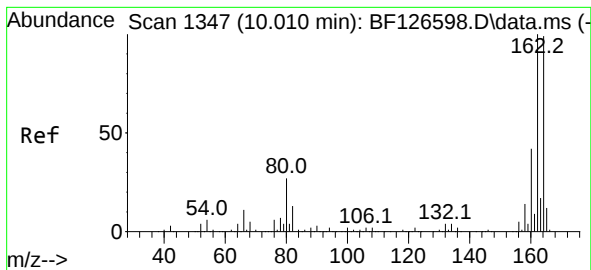
Tgt Ion: 82 Resp: 759452
Ion Ratio Lower Upper
82 100
128 29.5 32.7 49.1#
54 42.1 41.7 62.5



#25
Isophorone
Concen: 39.344 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

Tgt Ion: 82 Resp: 759440
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-1

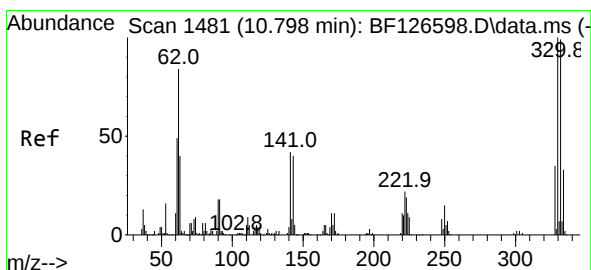
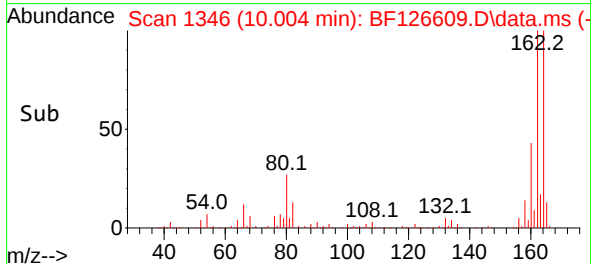
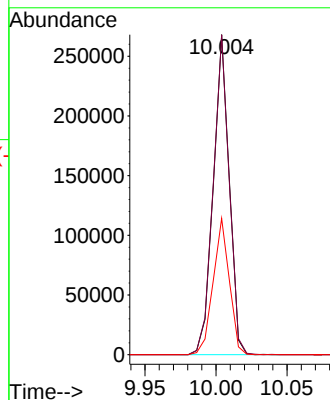
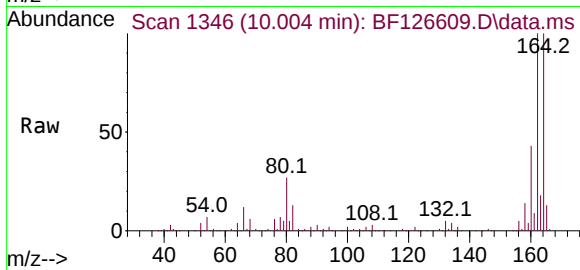
Tgt Ion:164 Resp: 208506

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.0

160 42.6 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 100.106 ng

RT: 10.792 min Scan# 1480

Delta R.T. -0.006 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

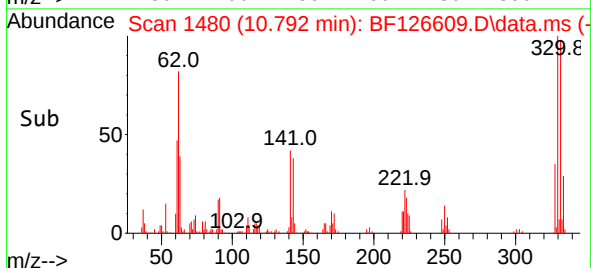
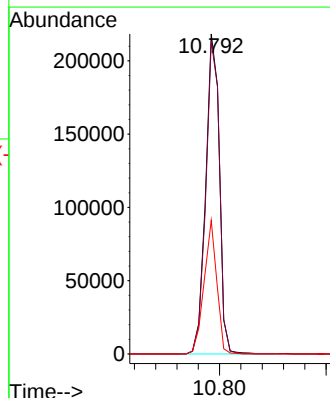
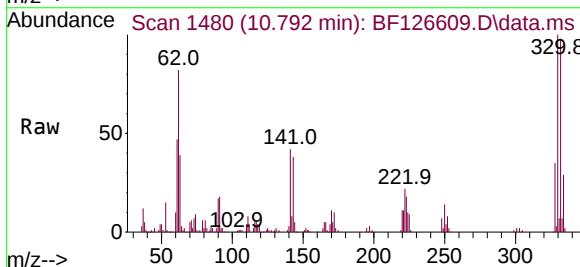
Tgt Ion:330 Resp: 195336

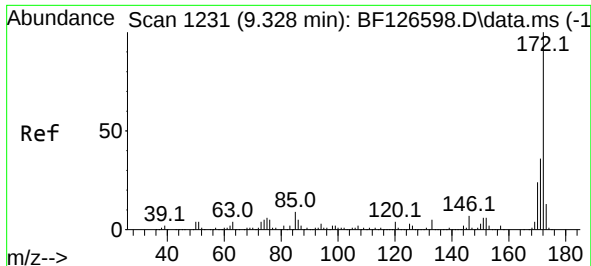
Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 38.8 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 66.946 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-1

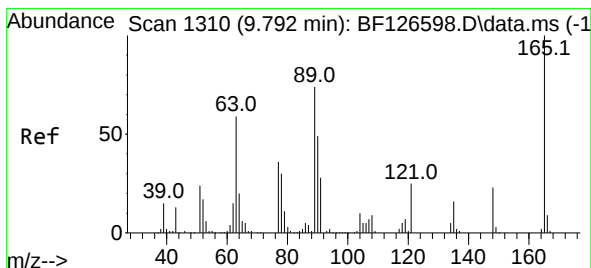
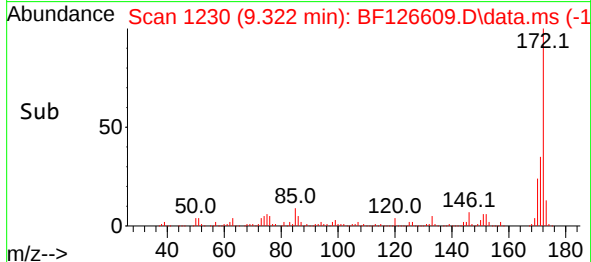
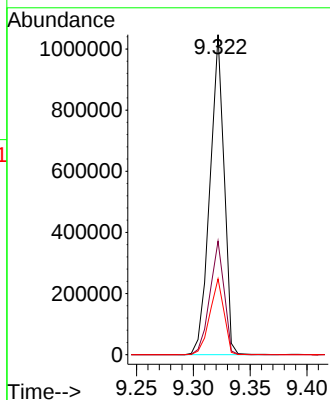
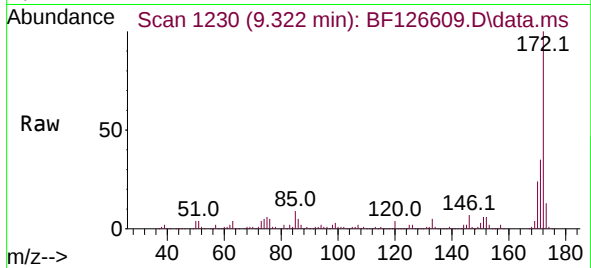
Tgt Ion:172 Resp: 911443

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.7 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.321 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

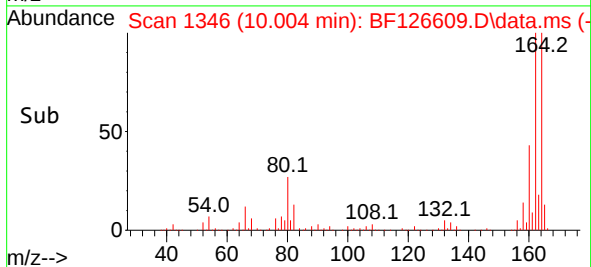
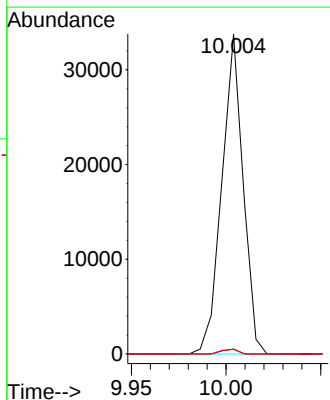
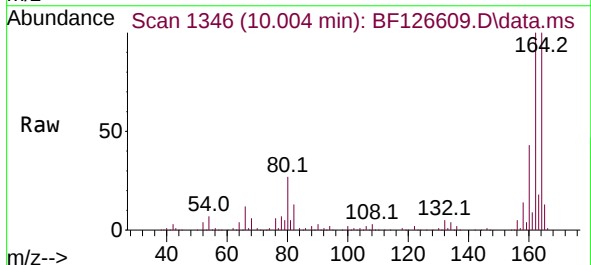
Tgt Ion:165 Resp: 26375

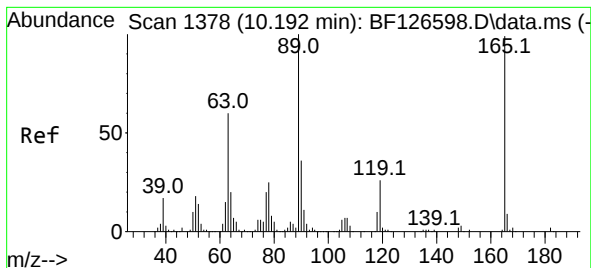
Ion Ratio Lower Upper

165 100

63 1.5 48.4 72.6#

89 1.4 50.5 75.7#

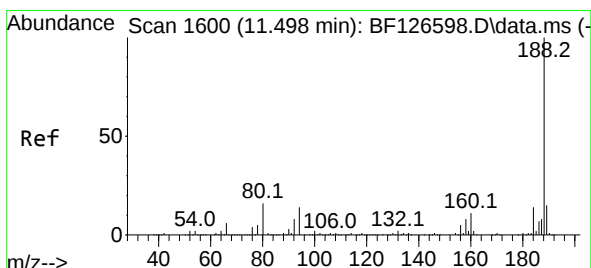
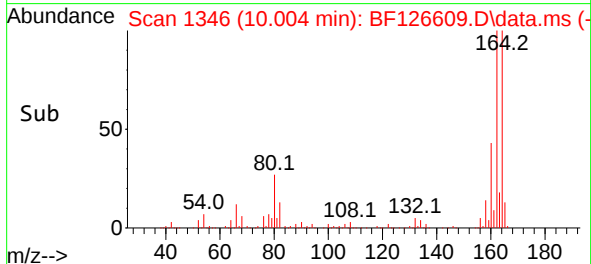
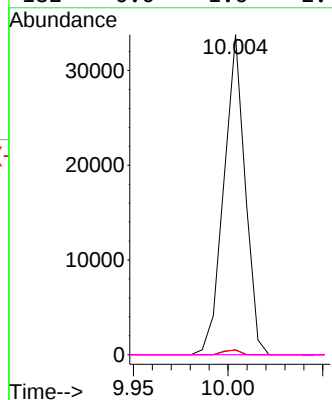
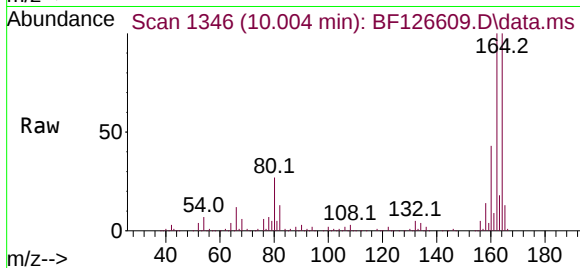




#57
2,4-Dinitrotoluene
Concen: 8.517 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

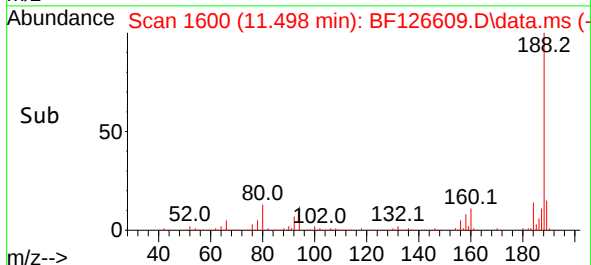
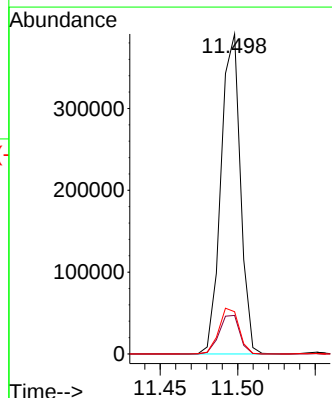
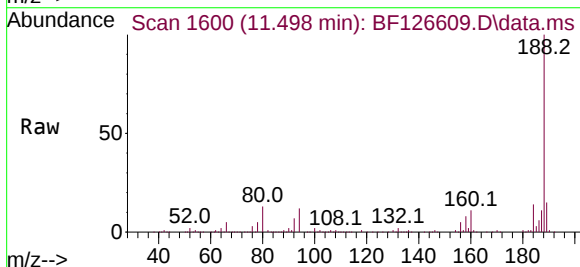
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-1

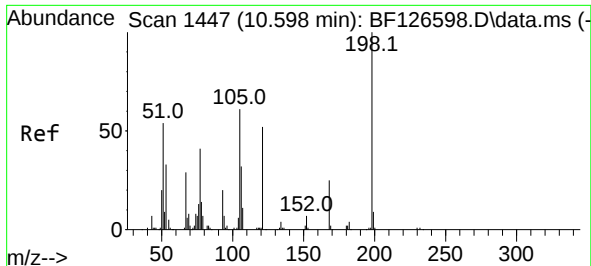
Tgt Ion:165 Resp: 26375
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.4 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

Tgt Ion:188 Resp: 340909
Ion Ratio Lower Upper
188 100
94 12.0 10.1 15.1
80 13.2 11.8 17.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.665 ng

RT: 10.792 min Scan# 1447

Delta R.T. 0.194 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-1

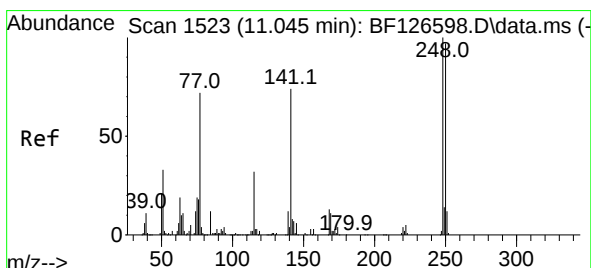
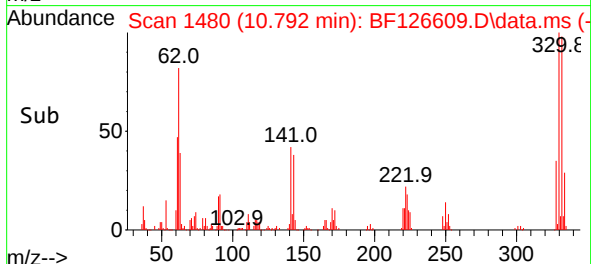
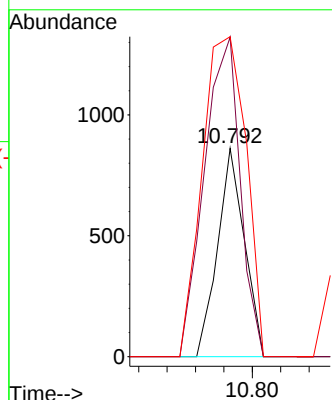
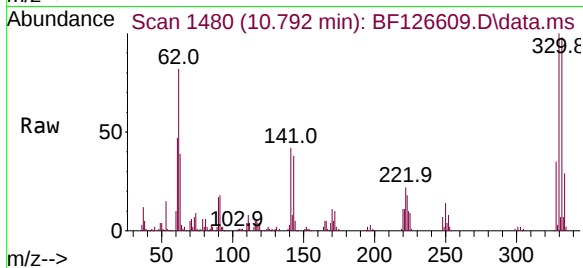
Tgt Ion:198 Resp: 564

Ion Ratio Lower Upper

198 100

51 153.4 32.0 72.0#

105 153.6 32.7 72.7#



#67

4-Bromophenyl-phenylether

Concen: 3.542 ng

RT: 10.792 min Scan# 1480

Delta R.T. -0.253 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

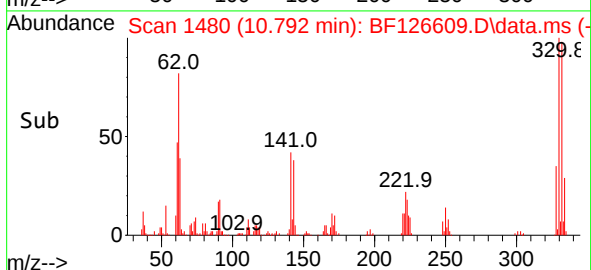
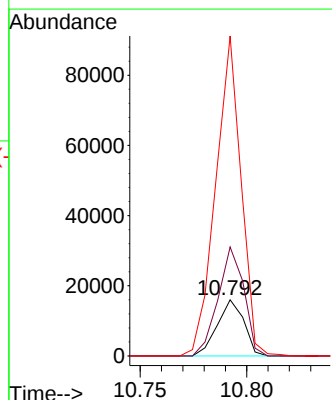
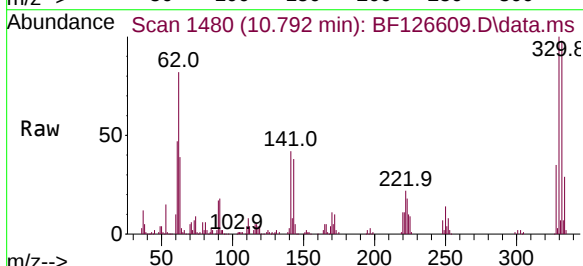
Tgt Ion:248 Resp: 13916

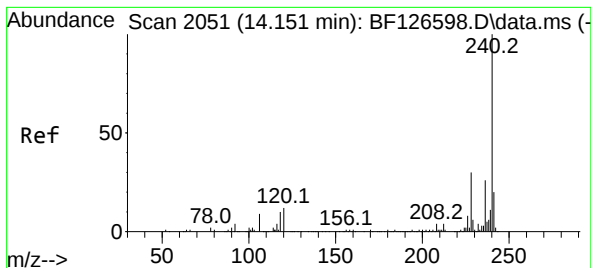
Ion Ratio Lower Upper

248 100

250 194.1 76.2 114.4#

141 570.2 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2051

Delta R.T. -0.012 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-1

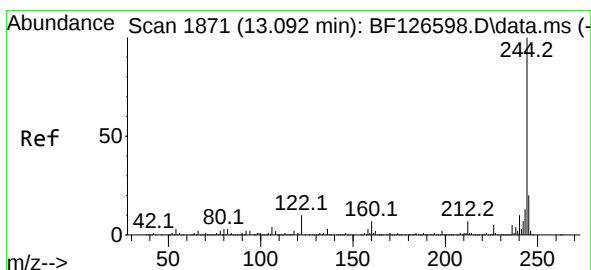
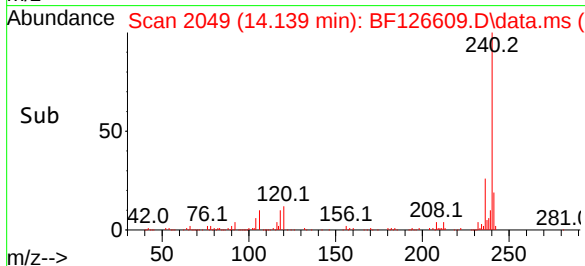
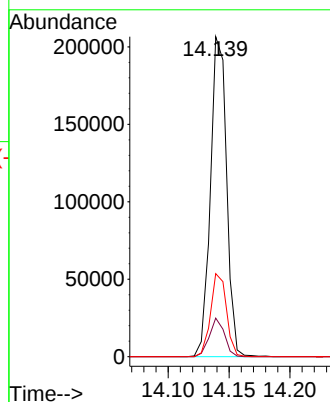
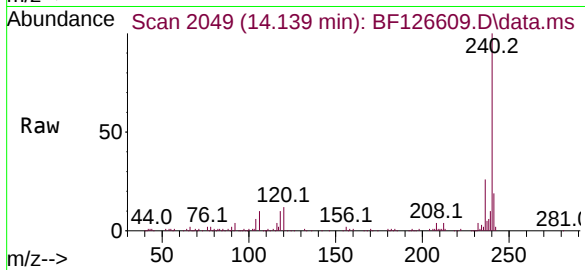
Tgt Ion:240 Resp: 190020

Ion Ratio Lower Upper

240 100

120 12.1 14.4 21.6#

236 25.9 20.5 30.7



#79

Terphenyl-d14

Concen: 65.727 ng

RT: 13.086 min Scan# 1870

Delta R.T. -0.006 min

Lab File: BF126609.D

Acq: 20 Jan 2022 14:31

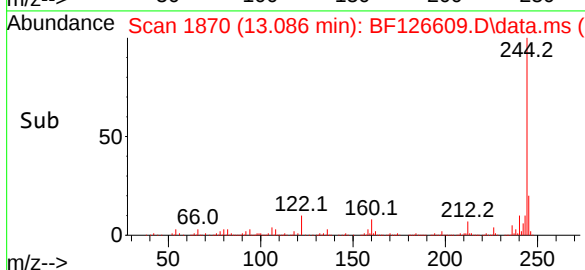
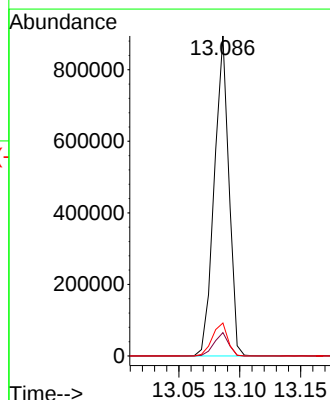
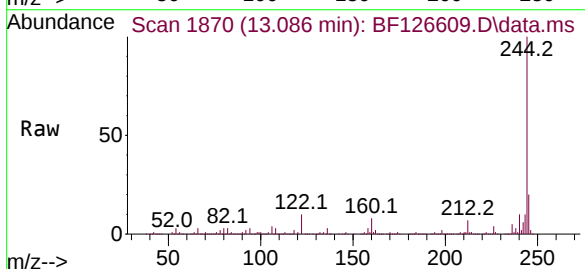
Tgt Ion:244 Resp: 744630

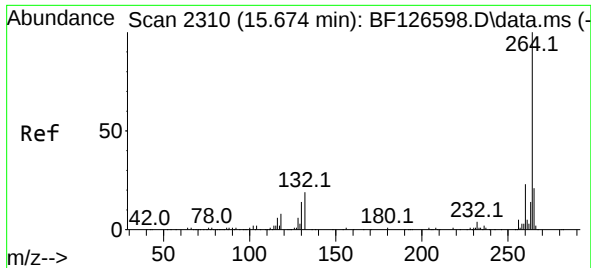
Ion Ratio Lower Upper

244 100

212 7.3 5.0 7.4

122 10.3 13.3 19.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126609.D
Acq: 20 Jan 2022 14:31

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-1

Tgt Ion:264 Resp: 199589

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.6	17.4	26.2

