

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012022\
 Data File : BF126615.D
 Acq On : 20 Jan 2022 17:12
 Operator : CG/JU
 Sample : N1189-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-4

Quant Time: Jan 20 17:42:54 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)

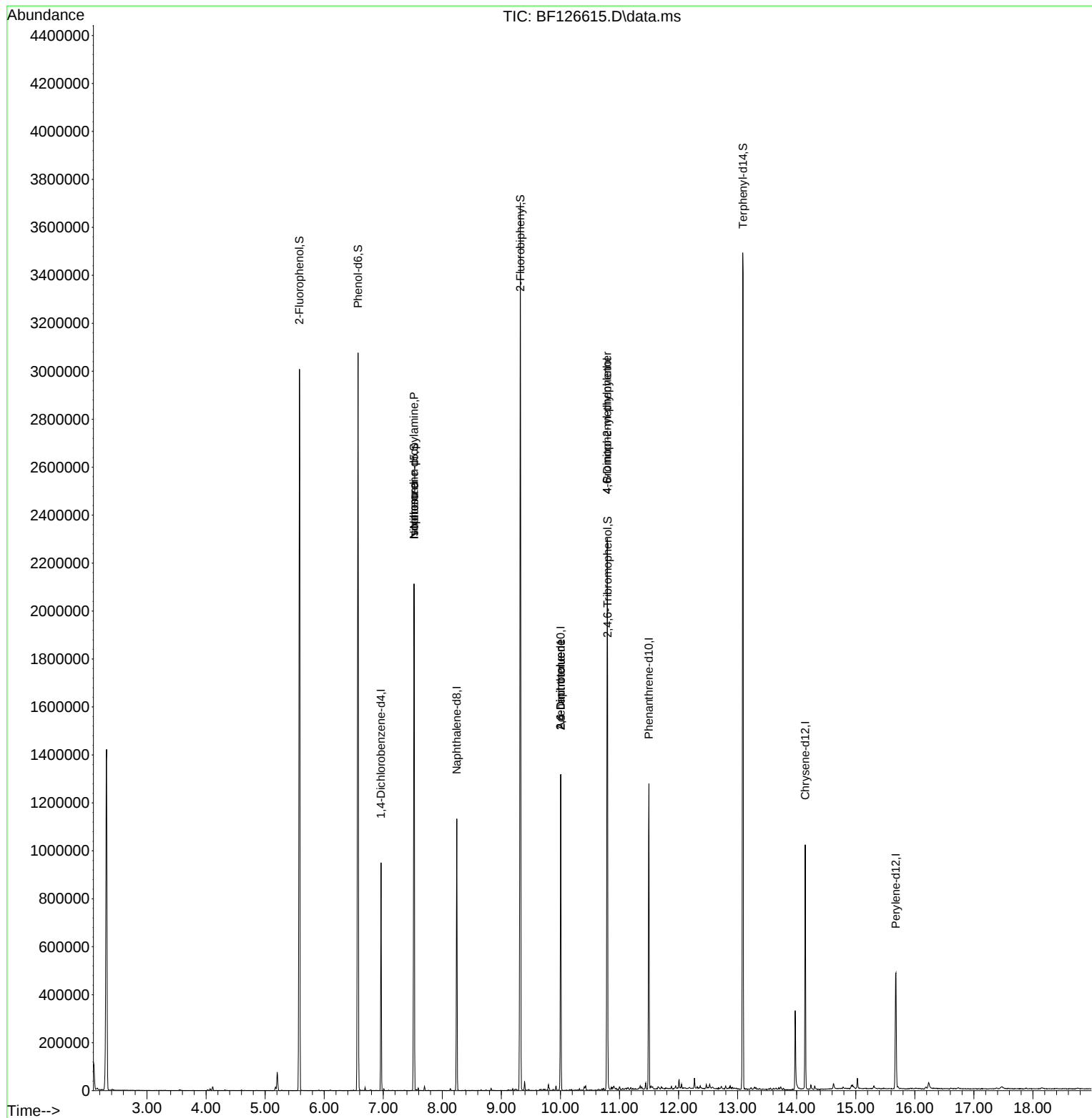
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	109461	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	427876	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	236461	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	420816	20.000	ng	0.00
76) Chrysene-d12	14.145	240	298884	20.000	ng	# 0.00
86) Perylene-d12	15.680	264	224676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	823912	99.048	ng	0.00
7) Phenol-d6	6.575	99	1119805	96.891	ng	0.00
23) Nitrobenzene-d5	7.522	82	815240	74.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	229773	103.833	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1037672	67.207	ng	0.00
79) Terphenyl-d14	13.092	244	1199686	67.323	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.575	77	2340	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.522	70	114128	13.530	ng	# 70
25) Isophorone	7.522	82	815223	38.454	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	30540	10.538	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	30540	8.696	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.792	198	664	7.651	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	15675	3.232	ng	# 1

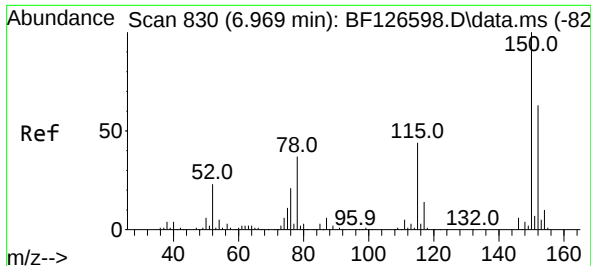
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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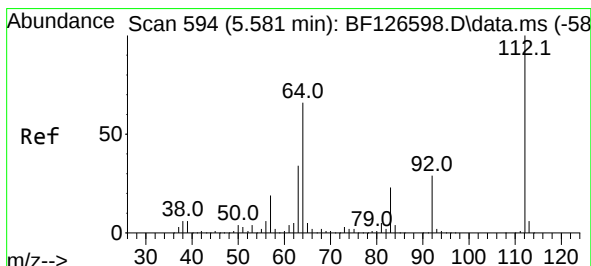
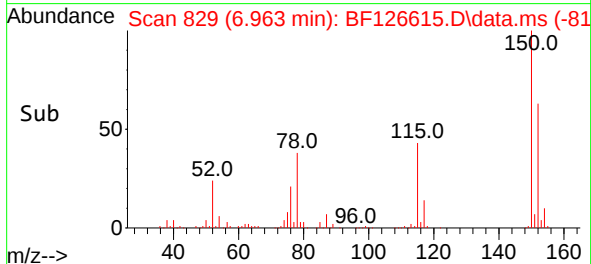
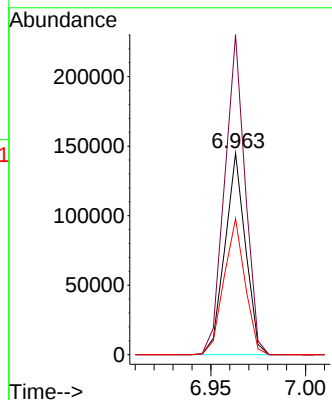
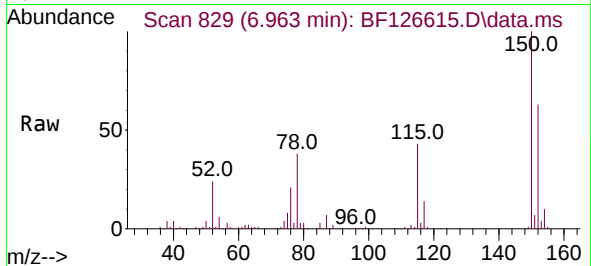




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

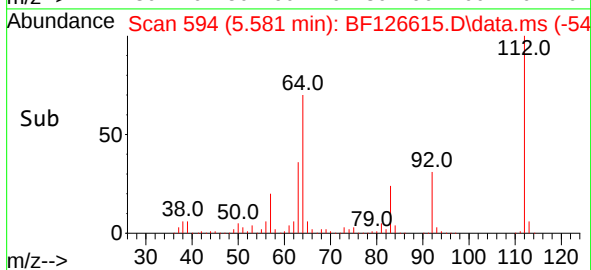
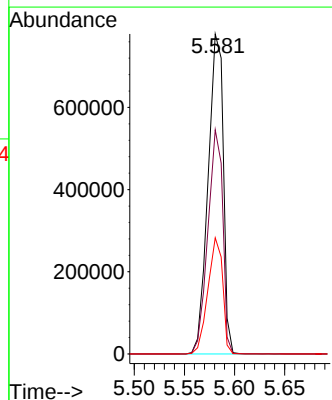
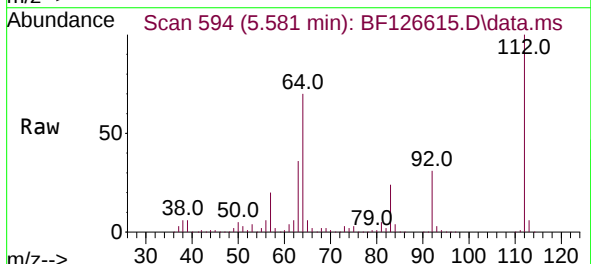
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

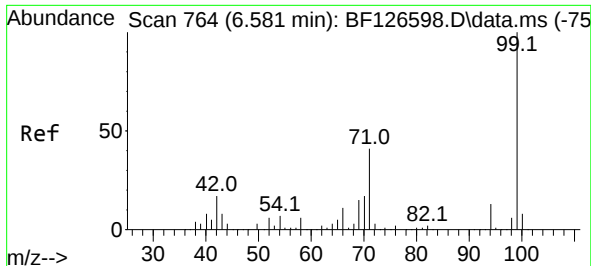
Tgt Ion:152 Resp: 109461
Ion Ratio Lower Upper
152 100
150 158.7 128.1 192.1
115 67.5 56.7 85.1



#5
2-Fluorophenol
Concen: 99.048 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion:112 Resp: 823912
Ion Ratio Lower Upper
112 100
64 70.1 49.5 74.3
63 36.3 23.9 35.9#





#7

Phenol-d6

Concen: 96.891 ng

RT: 6.575 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

Instrument :

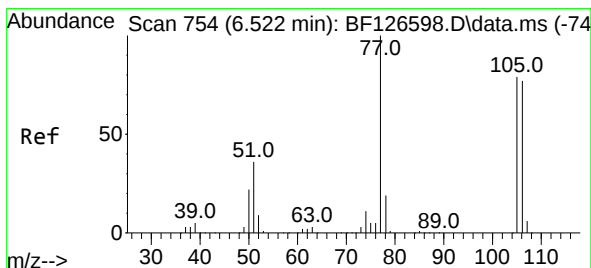
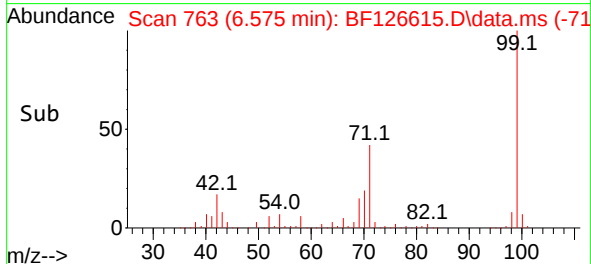
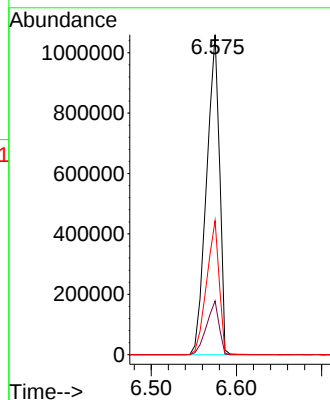
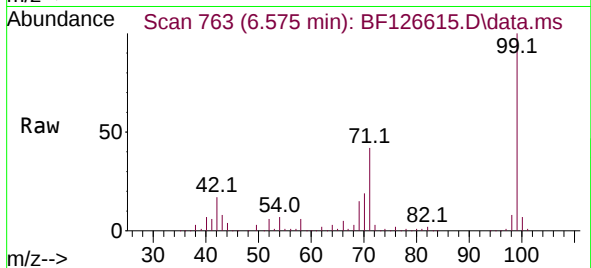
BNA_F

ClientSampleId :

MTR-SOIL-4

Tgt Ion: 99 Resp: 1119805

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.2	21.4
71	41.9	24.3	36.5



#9

Benzaldehyde

Concen: Below Cal

RT: 6.575 min Scan# 763

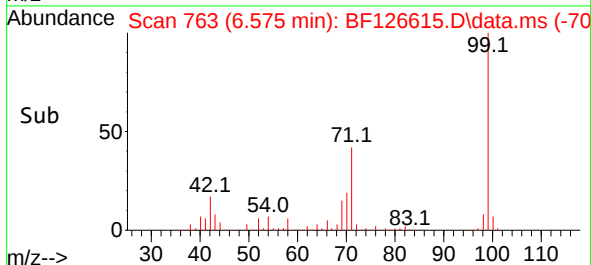
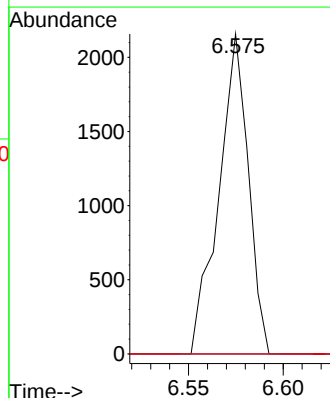
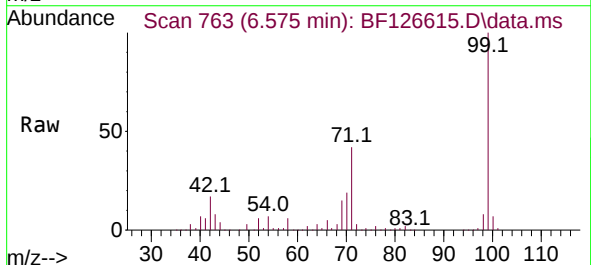
Delta R.T. 0.053 min

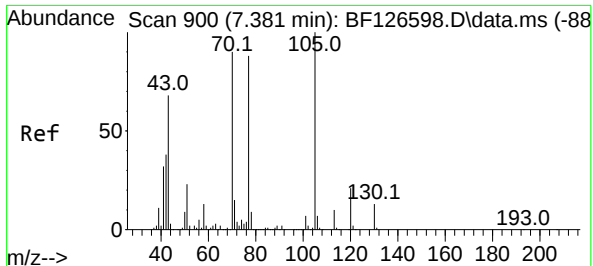
Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

Tgt Ion: 77 Resp: 2340

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

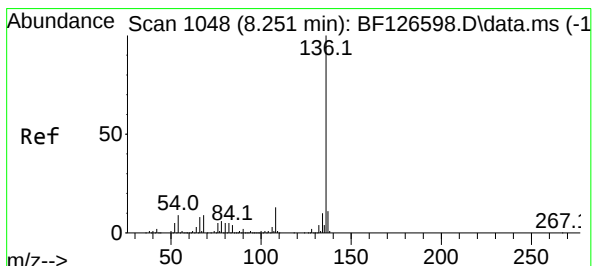
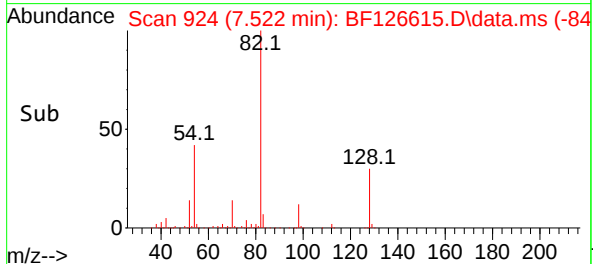
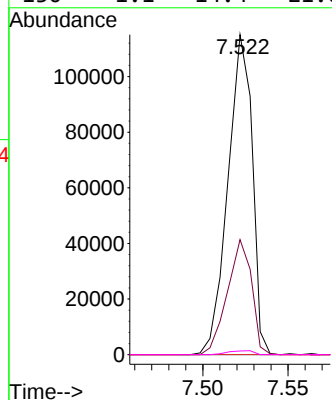
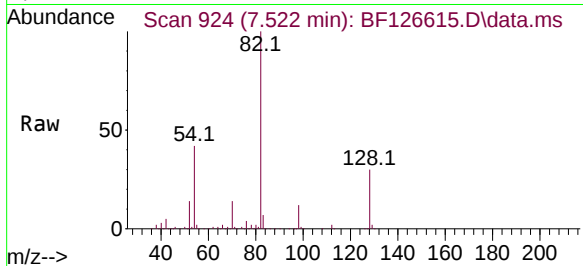




#19
n-Nitroso-di-n-propylamine
Concen: 13.530 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

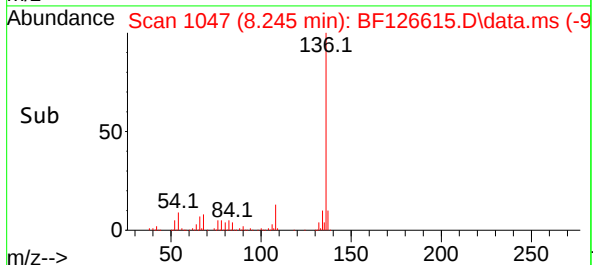
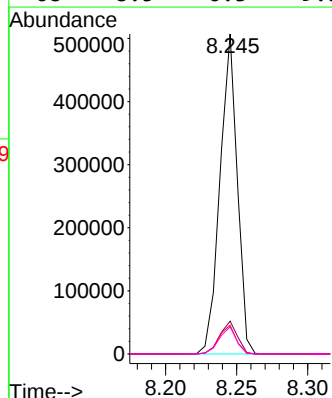
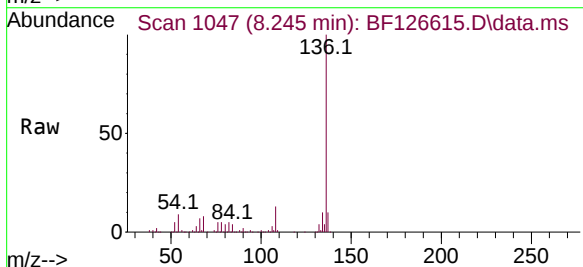
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

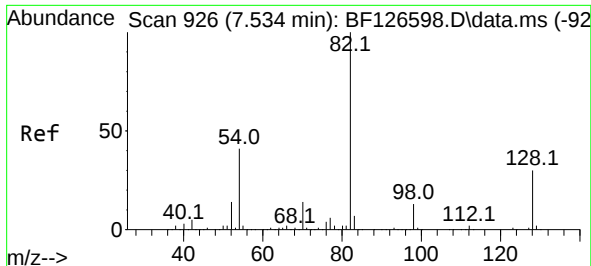
Tgt Ion: 70 Resp: 114128
Ion Ratio Lower Upper
70 100
42 36.0 45.8 68.8#
101 0.0 6.9 10.3#
130 1.1 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion: 136 Resp: 427876
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.9 7.8 11.6
68 8.5 6.3 9.5

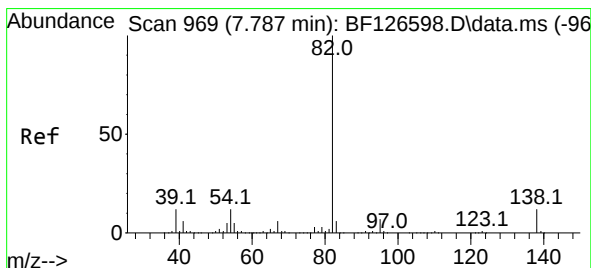
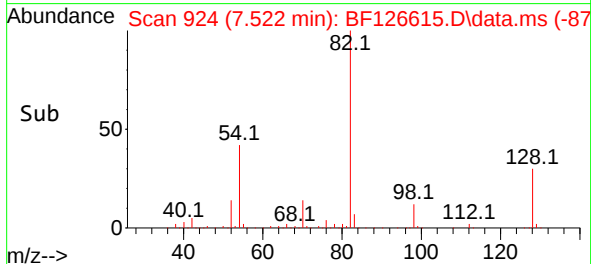
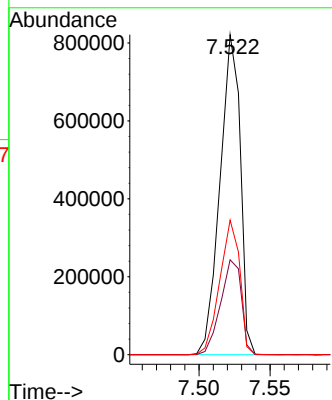
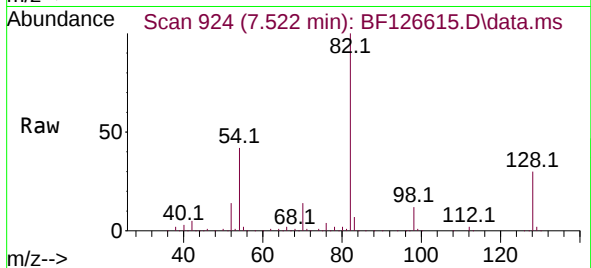




#23
Nitrobenzene-d5
Concen: 74.576 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

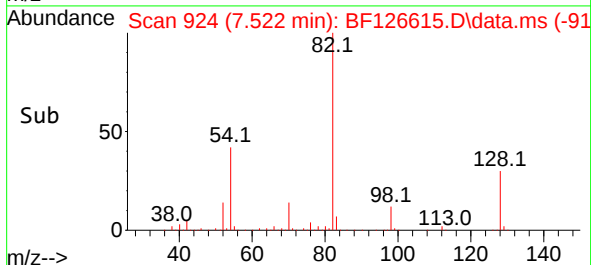
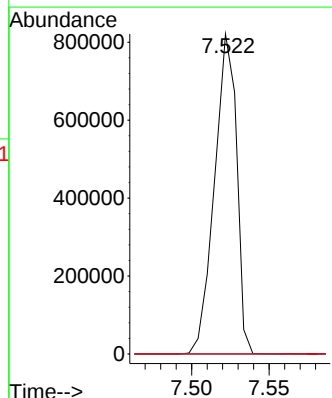
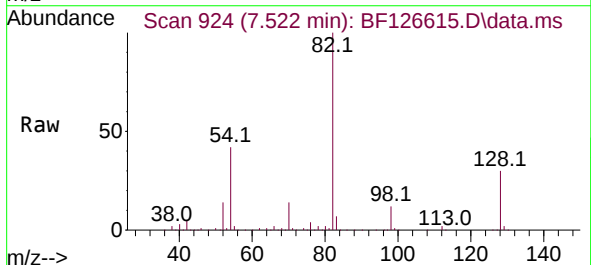
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

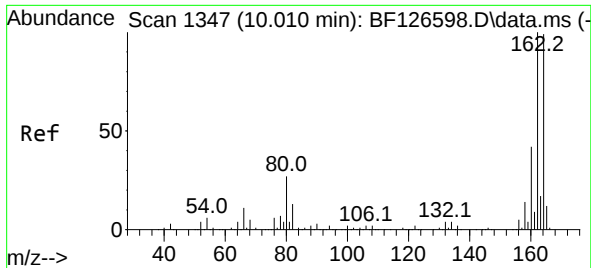
Tgt Ion: 82 Resp: 815240
Ion Ratio Lower Upper
82 100
128 29.6 32.7 49.1#
54 42.0 41.7 62.5



#25
Isophorone
Concen: 38.454 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion: 82 Resp: 815223
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

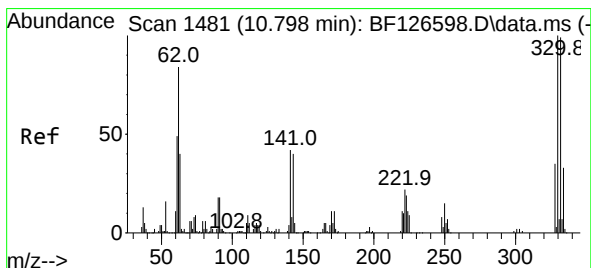
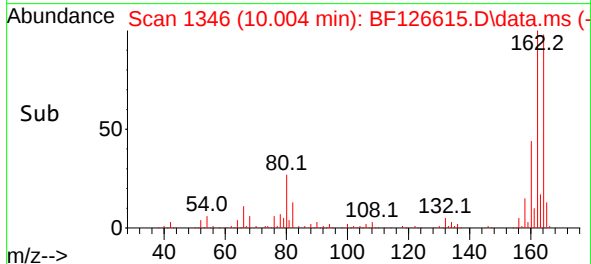
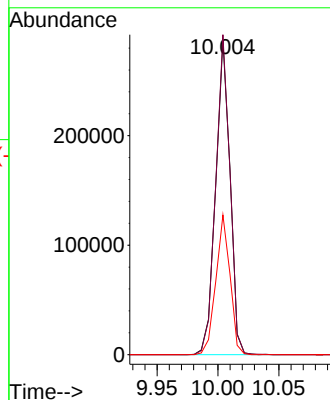
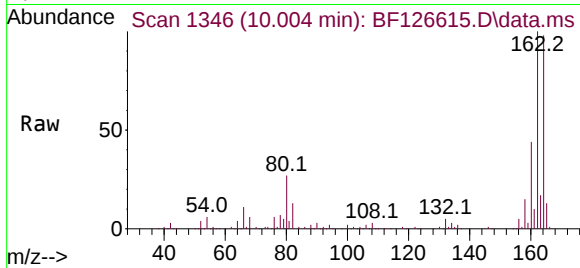




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

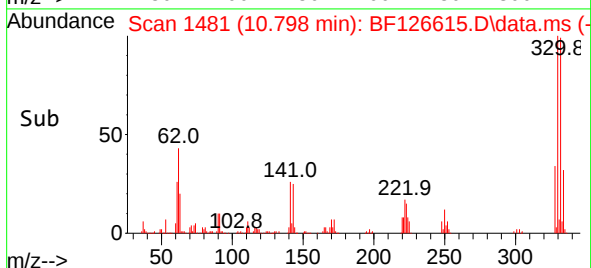
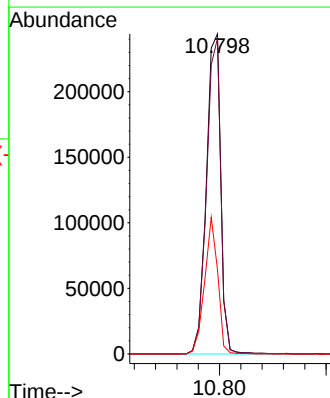
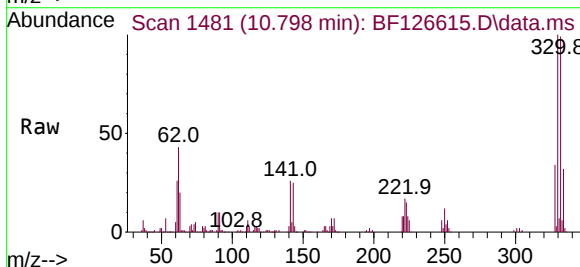
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

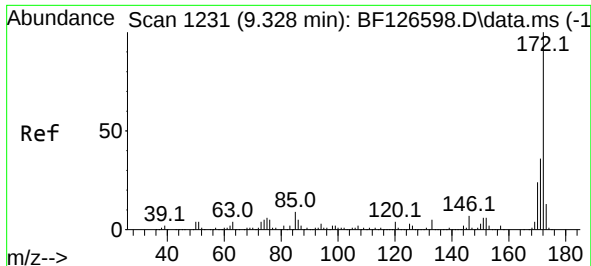
Tgt Ion:164 Resp: 236461
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.0
160 44.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 103.833 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion:330 Resp: 229773
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 39.0 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 67.207 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-4

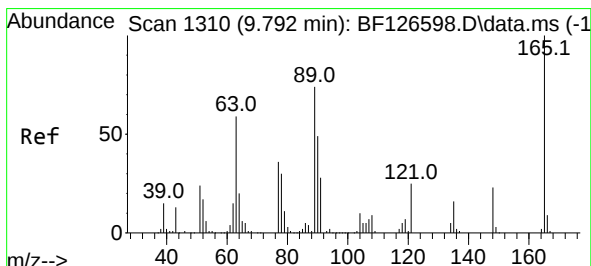
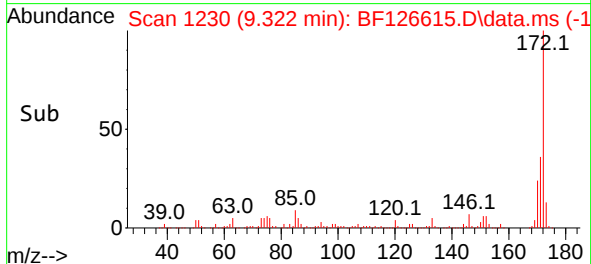
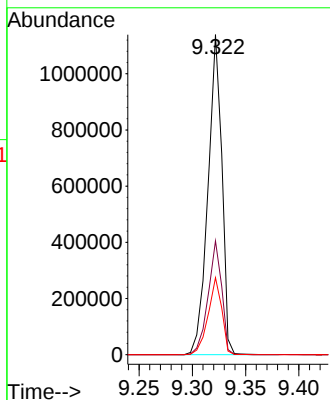
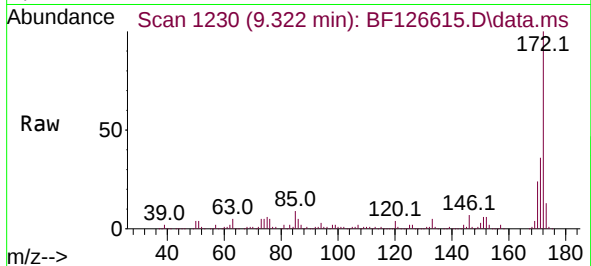
Tgt Ion:172 Resp: 1037672

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 24.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.538 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

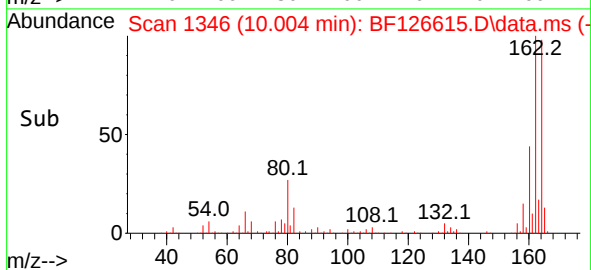
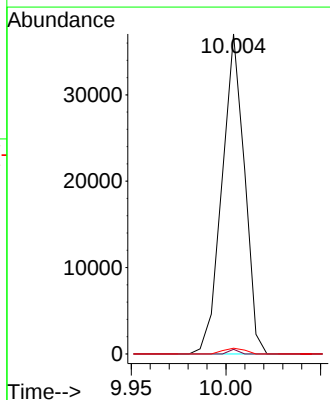
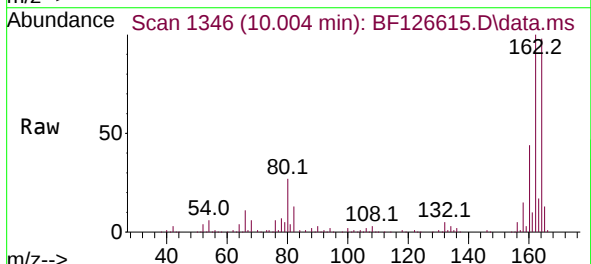
Tgt Ion:165 Resp: 30540

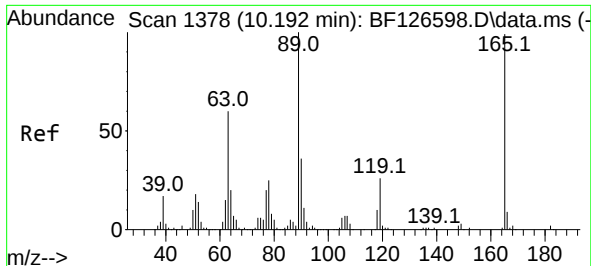
Ion Ratio Lower Upper

165 100

63 1.5 48.4 72.6#

89 1.8 50.5 75.7#

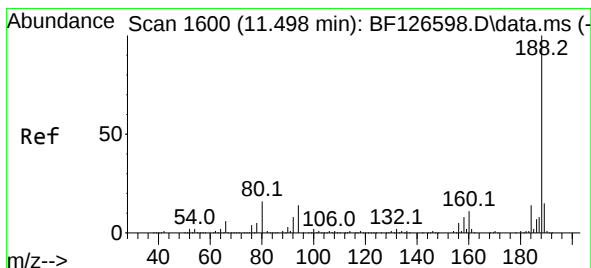
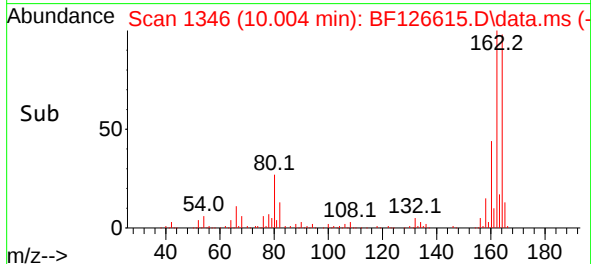
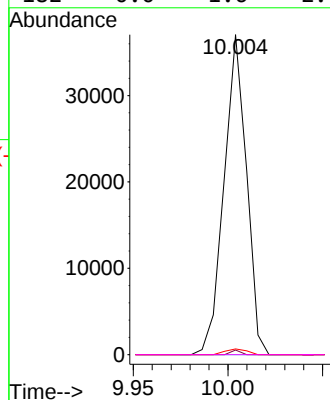
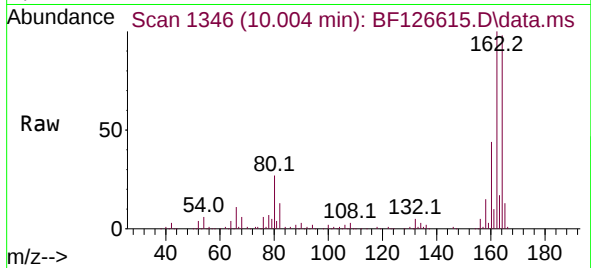




#57
2,4-Dinitrotoluene
Concen: 8.696 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

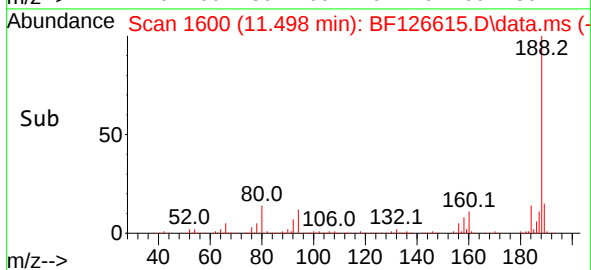
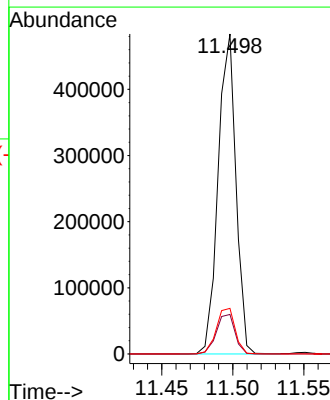
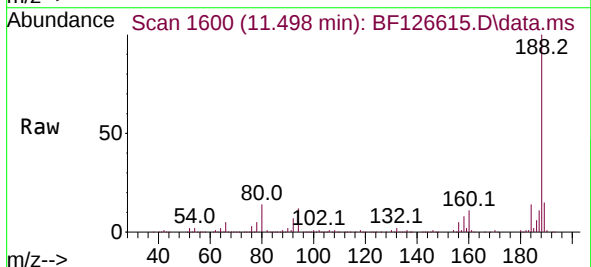
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

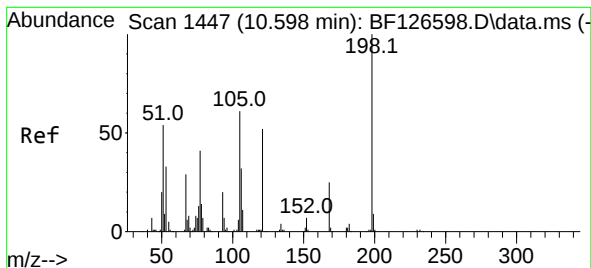
Tgt Ion:165 Resp: 30540
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion:188 Resp: 420816
Ion Ratio Lower Upper
188 100
94 12.3 10.1 15.1
80 14.2 11.8 17.6

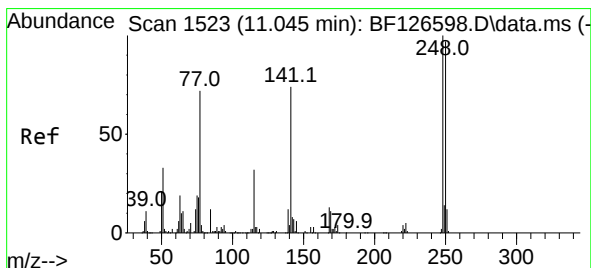
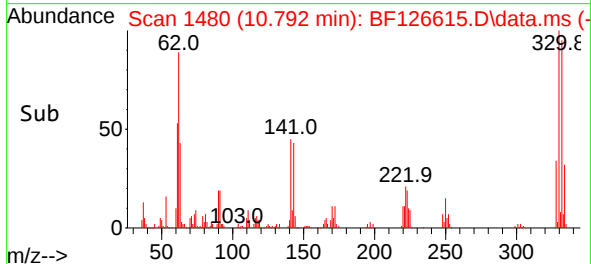
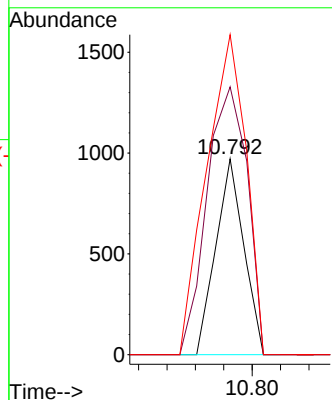
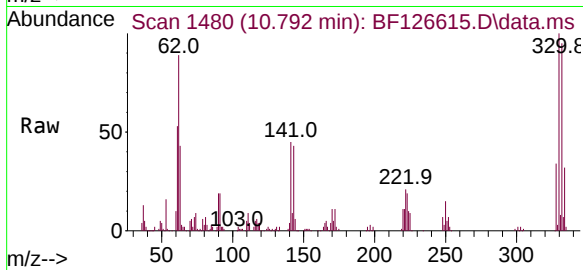




#65
4,6-Dinitro-2-methylphenol
Concen: 7.651 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

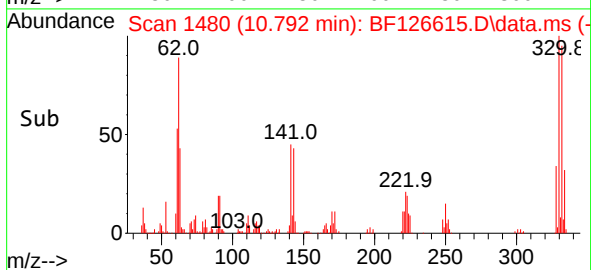
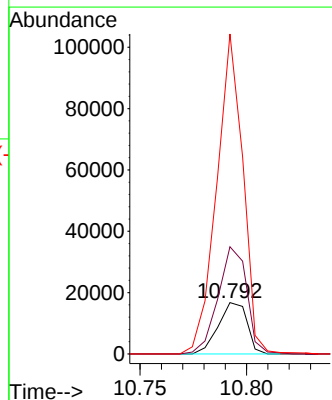
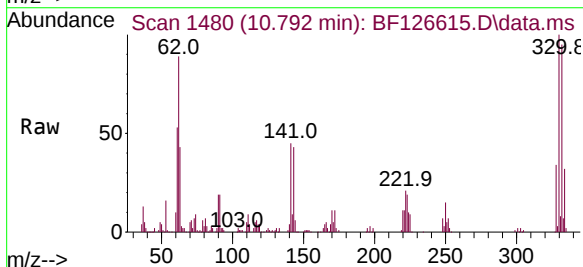
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-4

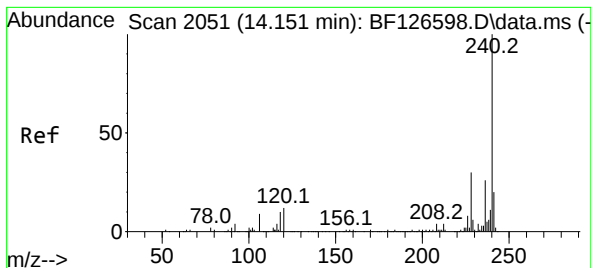
Tgt Ion:198 Resp: 664
Ion Ratio Lower Upper
198 100
51 136.8 32.0 72.0#
105 163.4 32.7 72.7#



#67
4-Bromophenyl-phenylether
Concen: 3.232 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126615.D
Acq: 20 Jan 2022 17:12

Tgt Ion:248 Resp: 15675
Ion Ratio Lower Upper
248 100
250 208.7 76.2 114.4#
141 623.5 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-4

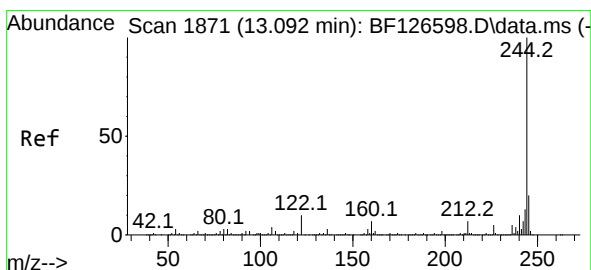
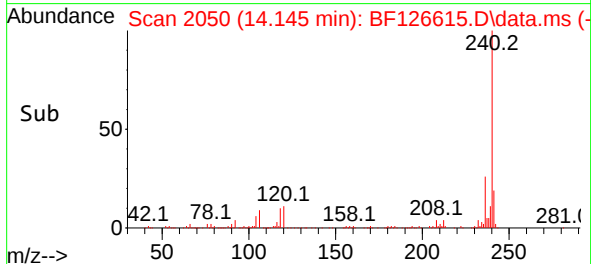
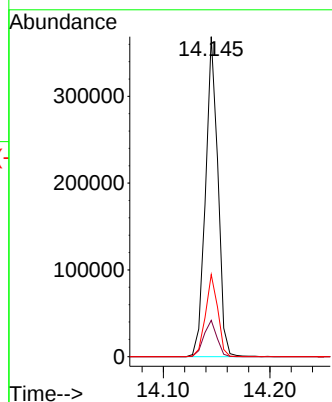
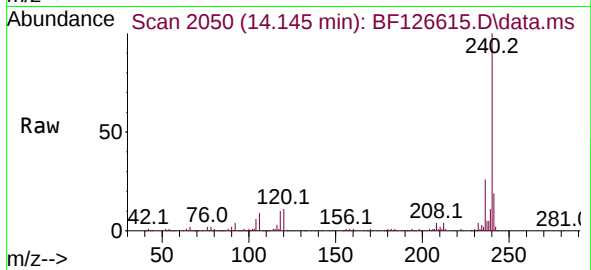
Tgt Ion:240 Resp: 298884

Ion Ratio Lower Upper

240 100

120 11.4 14.4 21.6#

236 25.6 20.5 30.7



#79

Terphenyl-d14

Concen: 67.323 ng

RT: 13.092 min Scan# 1871

Delta R.T. -0.000 min

Lab File: BF126615.D

Acq: 20 Jan 2022 17:12

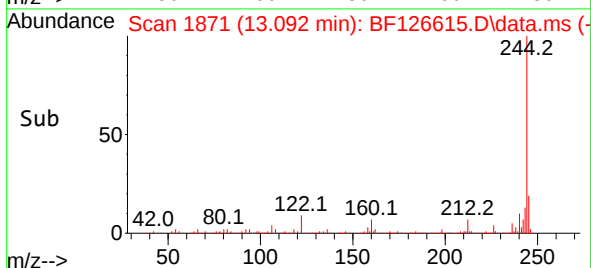
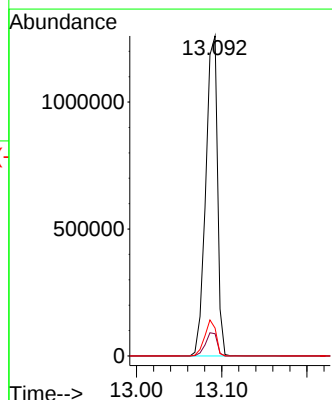
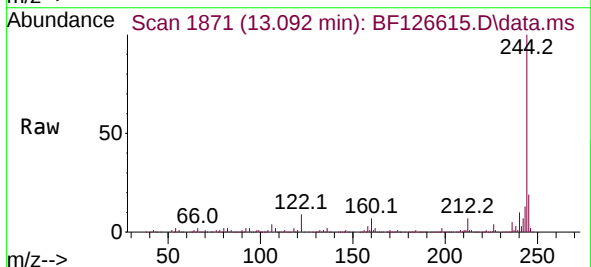
Tgt Ion:244 Resp: 1199686

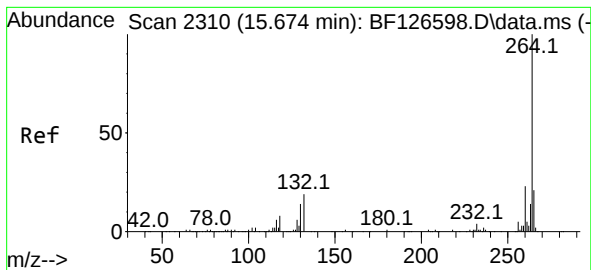
Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

122 8.7 13.3 19.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.680 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126615.D
 Acq: 20 Jan 2022 17:12

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-4

Tgt Ion:264 Resp: 224676
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 20.6 17.4 26.2

