

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012022\
 Data File : BF126618.D
 Acq On : 20 Jan 2022 18:33
 Operator : CG/JU
 Sample : N1189-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-7

Quant Time: Jan 21 04:14:42 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)

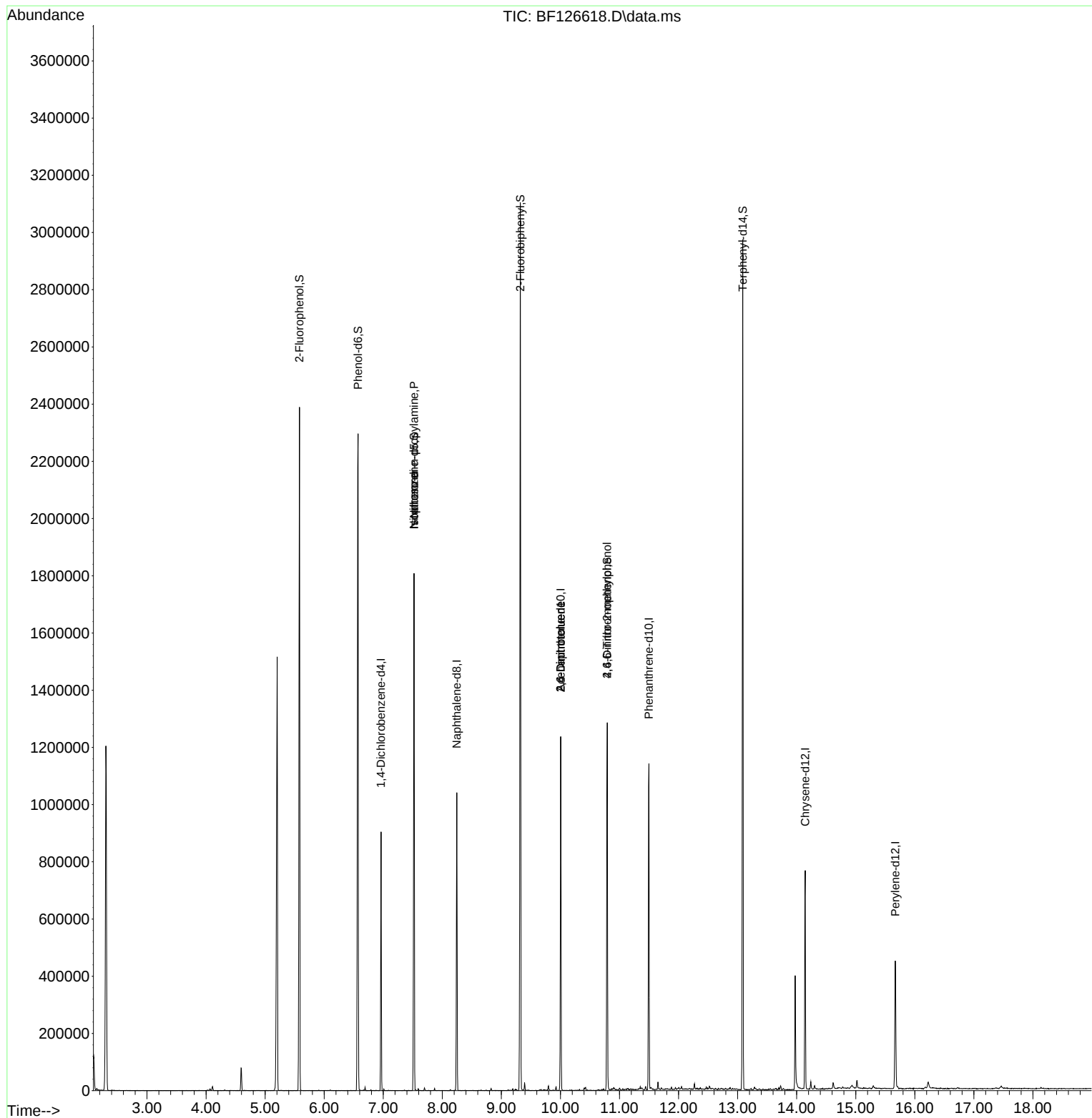
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	103280	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	399241	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	221103	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	391291	20.000	ng	0.00
76) Chrysene-d12	14.145	240	251943	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	193319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	562496	71.668	ng	0.00
7) Phenol-d6	6.575	99	835362	76.605	ng	0.00
23) Nitrobenzene-d5	7.522	82	631959	61.956	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	115646	55.890	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	826154	57.225	ng	0.00
79) Terphenyl-d14	13.086	244	904715	60.230	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.575	77	1712	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.522	70	86168	10.827	ng	# 70
25) Isophorone	7.522	82	631948	31.947	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	28516	10.523	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	28516	8.684	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.792	198	268	7.493	ng	# 1

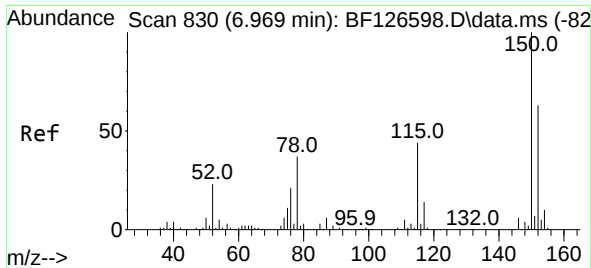
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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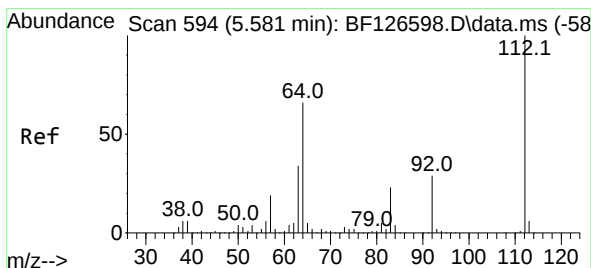
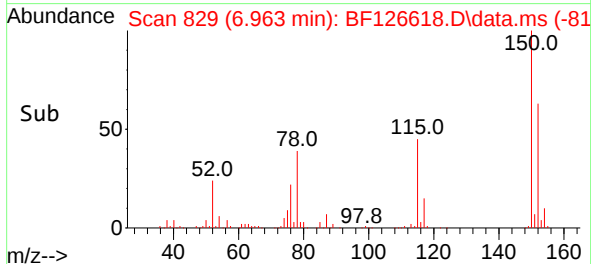
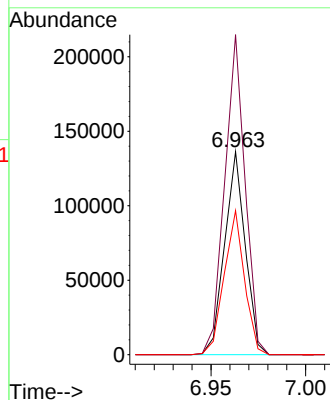
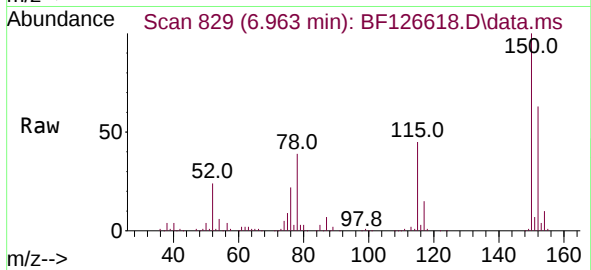




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

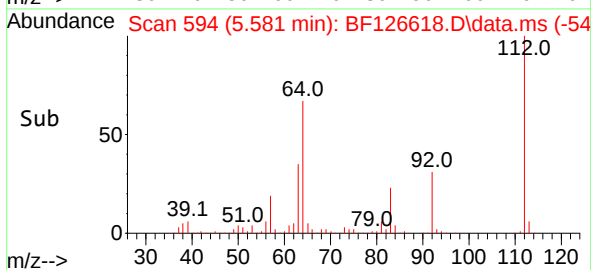
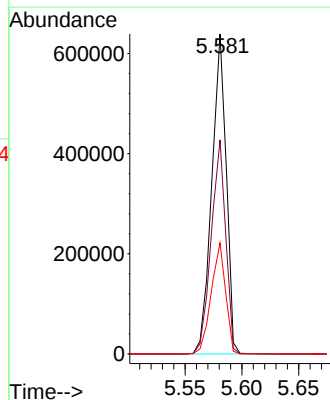
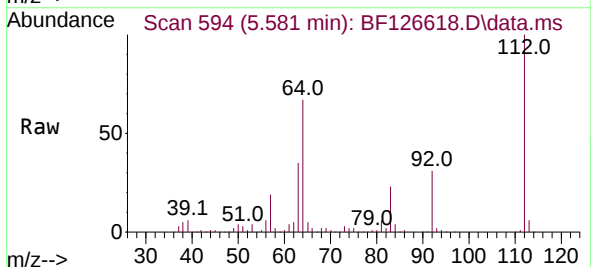
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-7

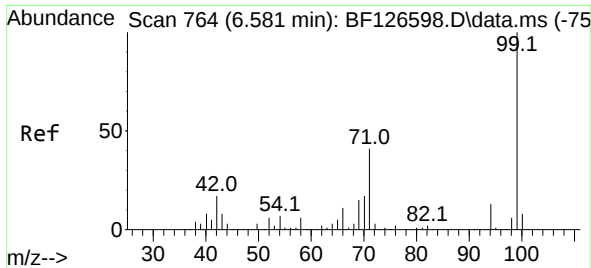
Tgt Ion:152 Resp: 103280
Ion Ratio Lower Upper
152 100
150 157.6 128.1 192.1
115 70.9 56.7 85.1



#5
2-Fluorophenol
Concen: 71.668 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion:112 Resp: 562496
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 34.7 23.9 35.9





#7

Phenol-d6

Concen: 76.605 ng

RT: 6.575 min Scan# 7

Delta R.T. -0.006 min

Lab File: BF126618.D

Acq: 20 Jan 2022 18:33

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-7

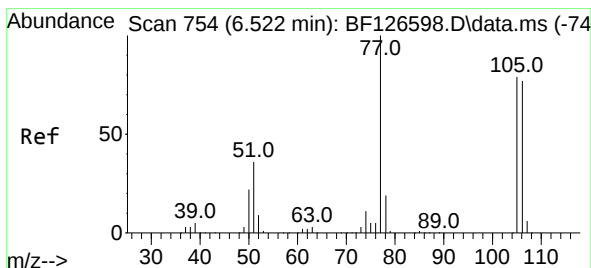
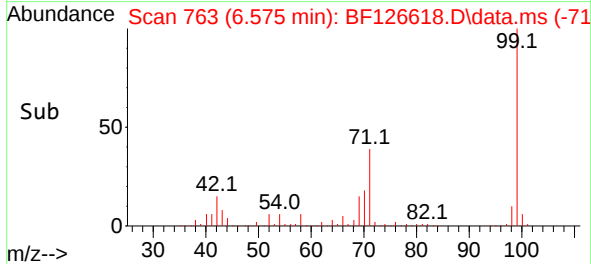
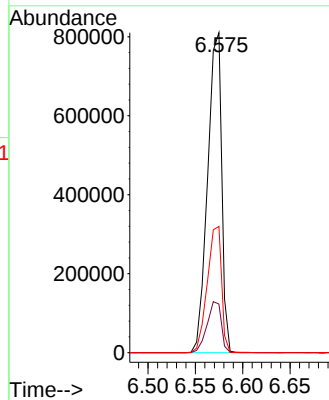
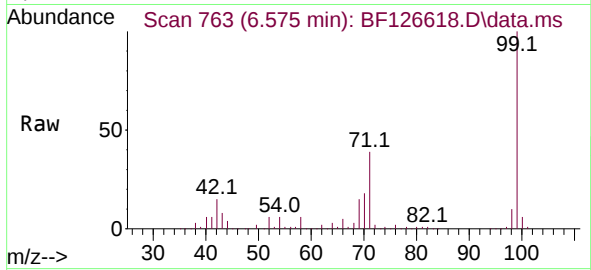
Tgt Ion: 99 Resp: 835362

Ion Ratio Lower Upper

99 100

42 15.2 14.2 21.4

71 39.4 24.3 36.5#



#9

Benzaldehyde

Concen: Below Cal

RT: 6.575 min Scan# 763

Delta R.T. 0.053 min

Lab File: BF126618.D

Acq: 20 Jan 2022 18:33

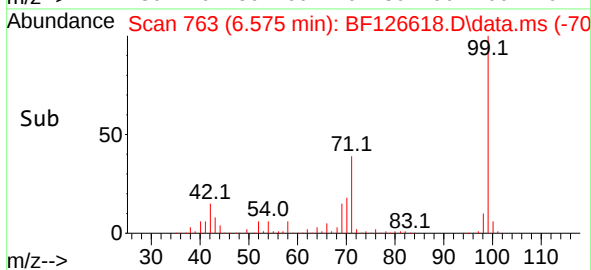
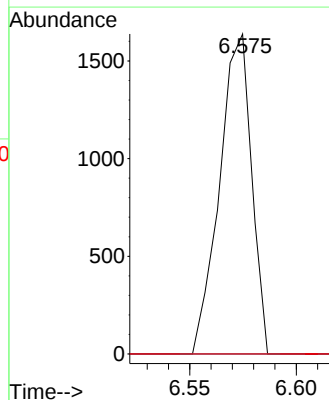
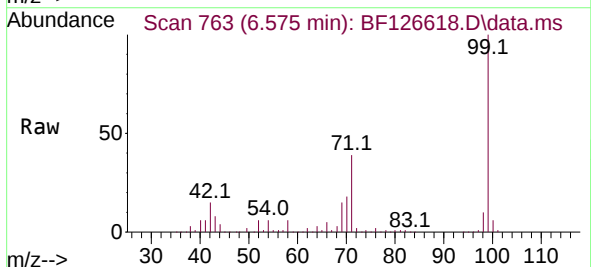
Tgt Ion: 77 Resp: 1712

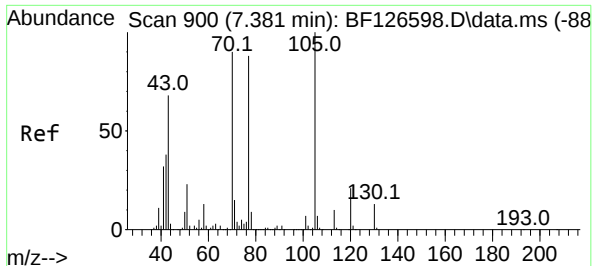
Ion Ratio Lower Upper

77 100

105 0.0 74.9 114.9#

106 0.0 72.4 112.4#

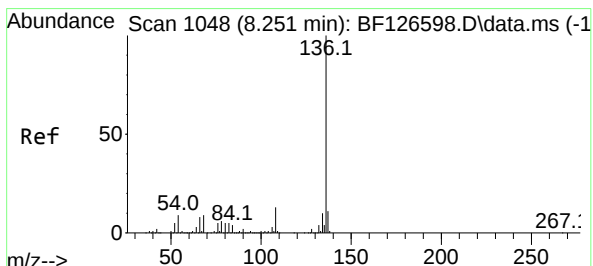
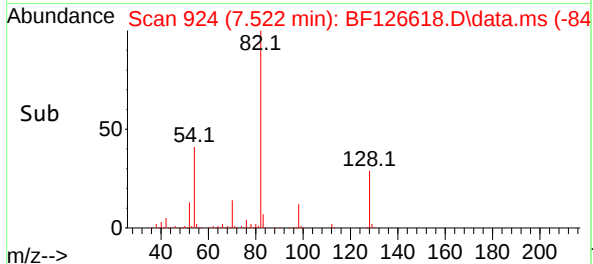
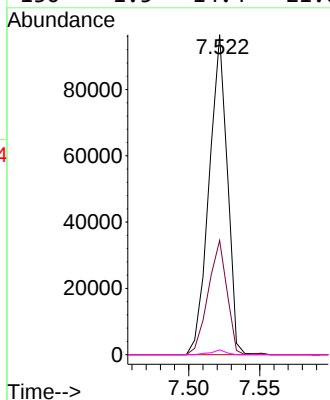
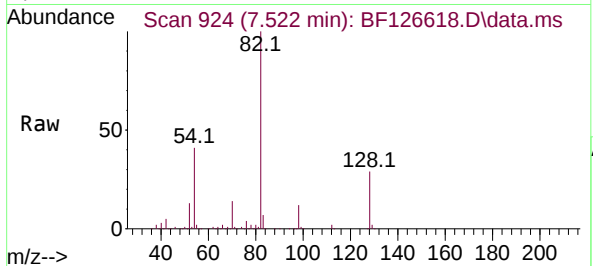




#19
n-Nitroso-di-n-propylamine
Concen: 10.827 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

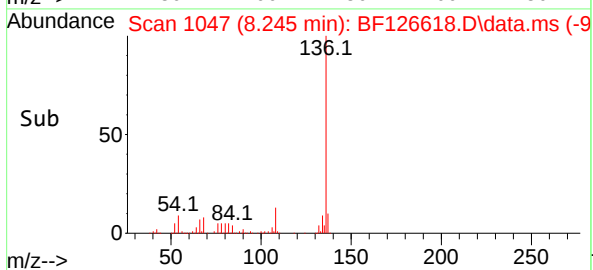
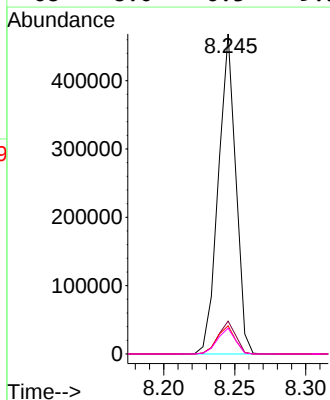
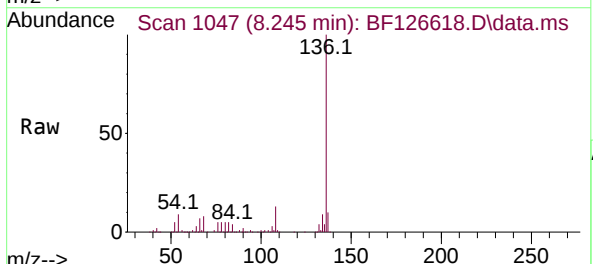
Instrument :
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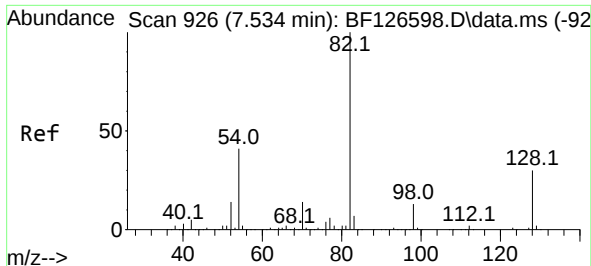
Tgt Ion: 70	Resp: 86168
Ion Ratio	Lower Upper
70 100	
42 35.7	45.8 68.8#
101 0.0	6.9 10.3#
130 1.5	14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion: 136	Resp: 399241
Ion Ratio	Lower Upper
136 100	
137 10.2	8.6 13.0
54 8.8	7.8 11.6
68 8.0	6.3 9.5

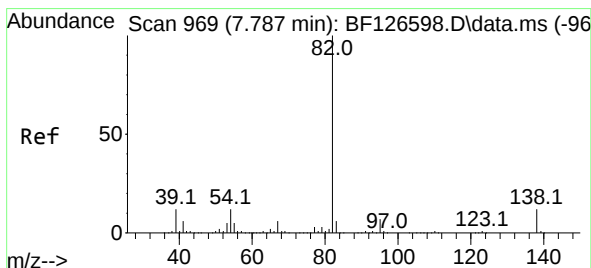
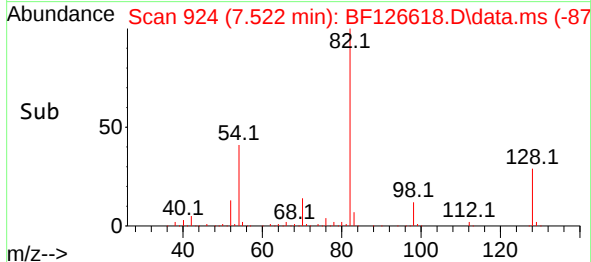
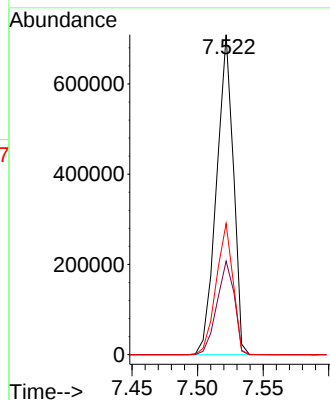
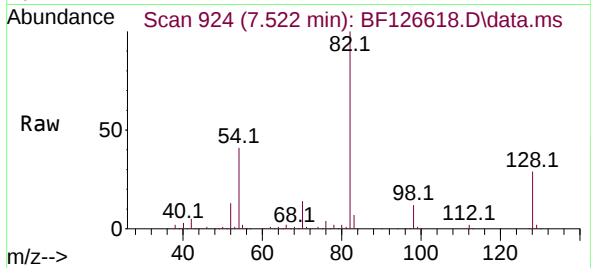




#23
Nitrobenzene-d5
Concen: 61.956 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

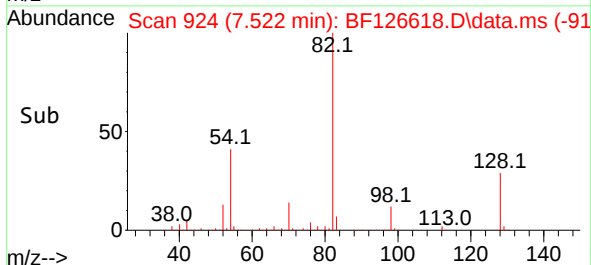
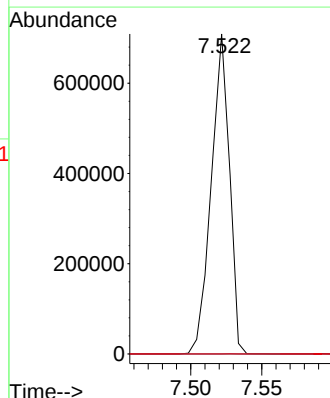
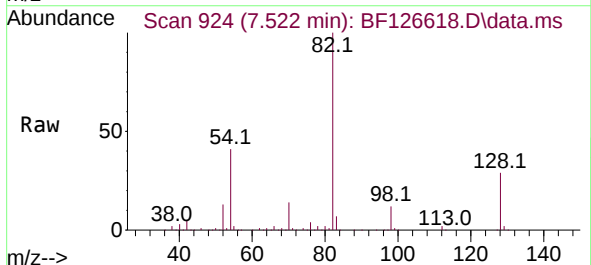
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-7

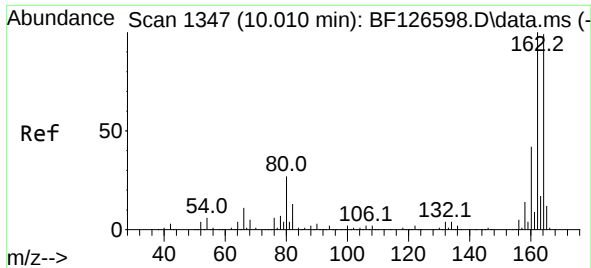
Tgt Ion: 82 Resp: 631959
Ion Ratio Lower Upper
82 100
128 29.2 32.7 49.1#
54 41.0 41.7 62.5#



#25
Isophorone
Concen: 31.947 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion: 82 Resp: 631948
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

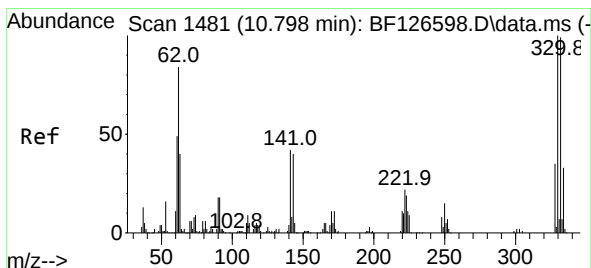
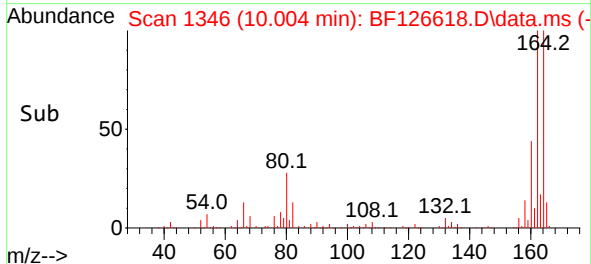
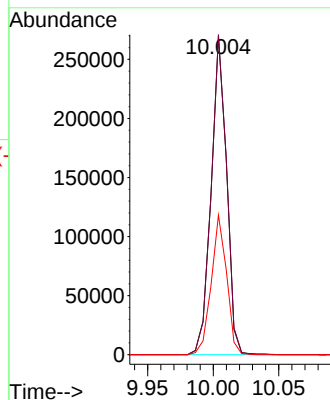
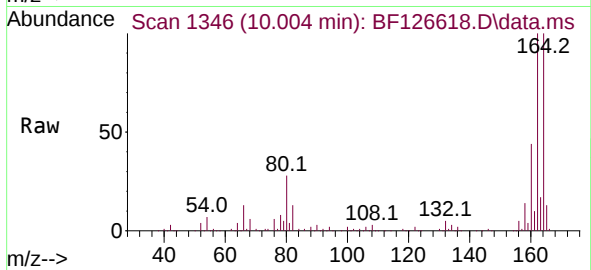




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

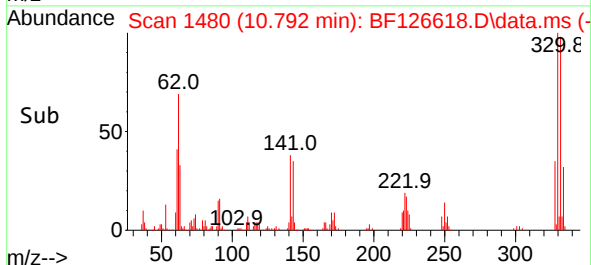
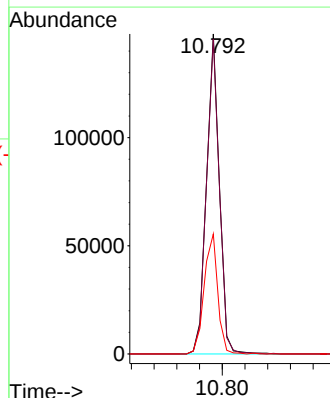
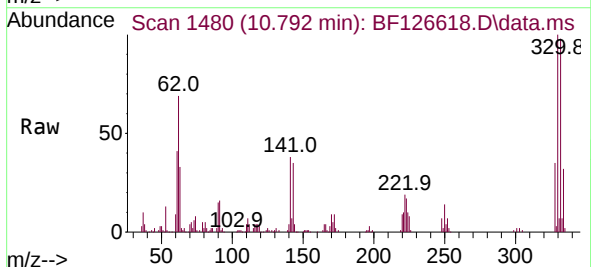
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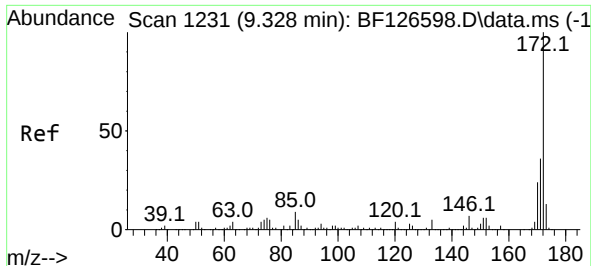
Tgt Ion:164 Resp: 221103
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 43.8 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 55.890 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion:330 Resp: 115646
Ion Ratio Lower Upper
330 100
332 98.5 76.0 114.0
141 39.7 30.1 45.1

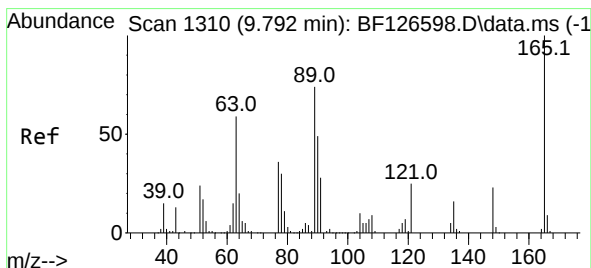
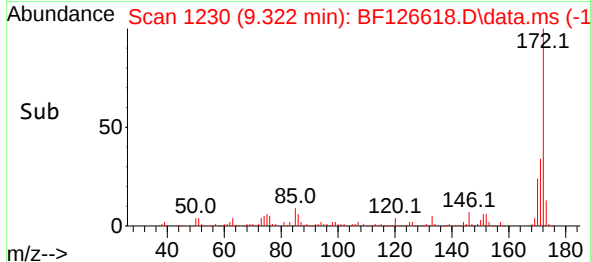
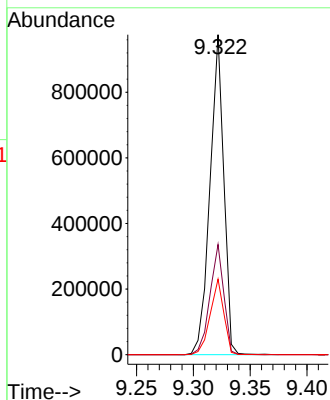
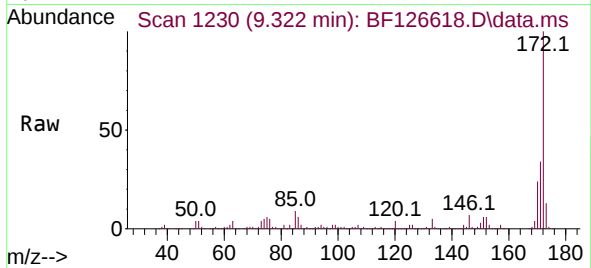




#45
2-Fluorobiphenyl
Concen: 57.225 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

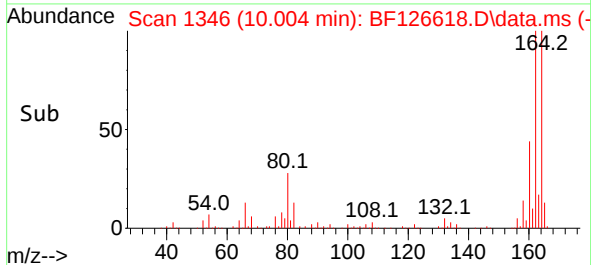
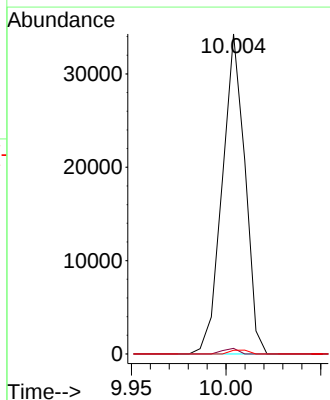
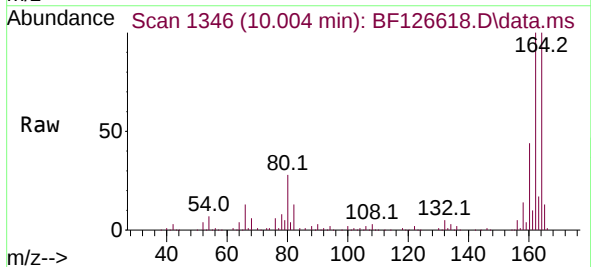
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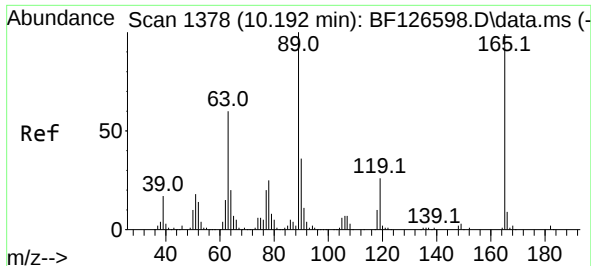
Tgt Ion:172 Resp: 826154
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.6 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.523 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.212 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion:165 Resp: 28516
Ion Ratio Lower Upper
165 100
63 1.8 48.4 72.6#
89 1.2 50.5 75.7#

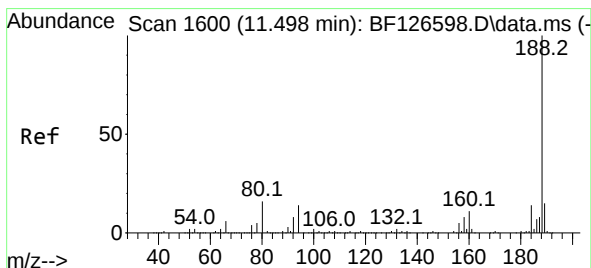
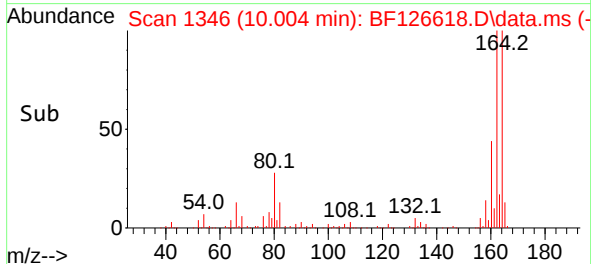
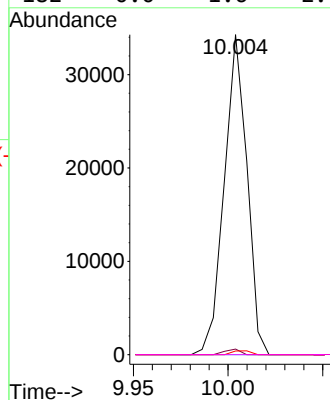
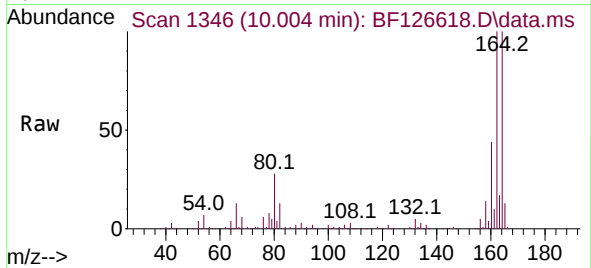




#57
2,4-Dinitrotoluene
Concen: 8.684 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

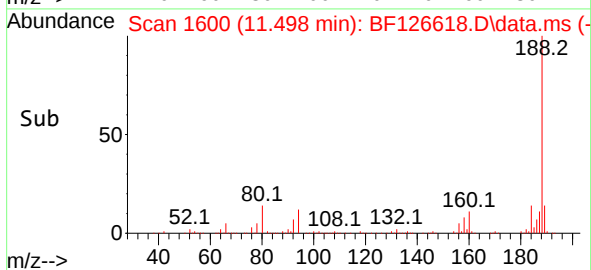
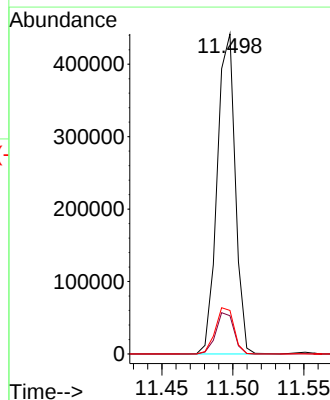
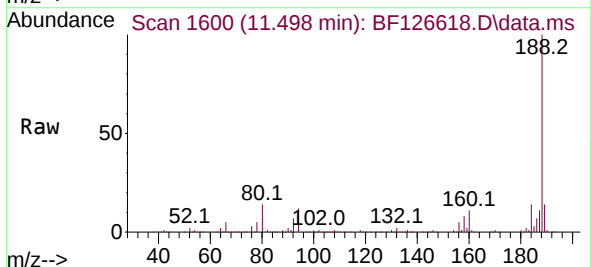
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-7

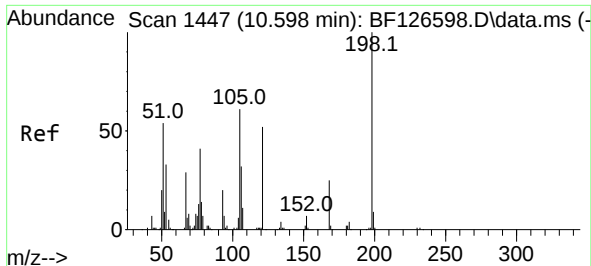
Tgt Ion:165 Resp: 28516
Ion Ratio Lower Upper
165 100
63 1.8 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion:188 Resp: 391291
Ion Ratio Lower Upper
188 100
94 12.0 10.1 15.1
80 13.6 11.8 17.6

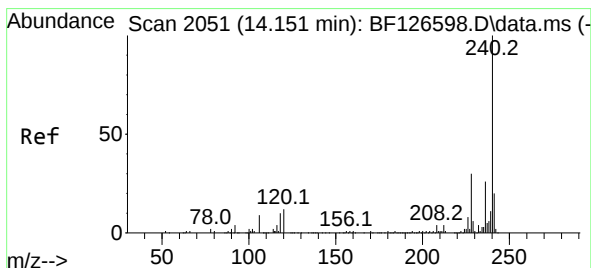
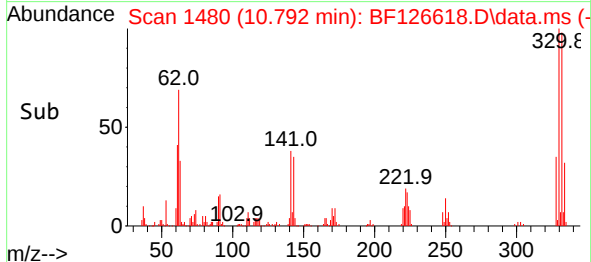
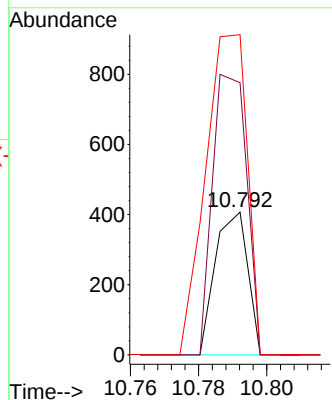
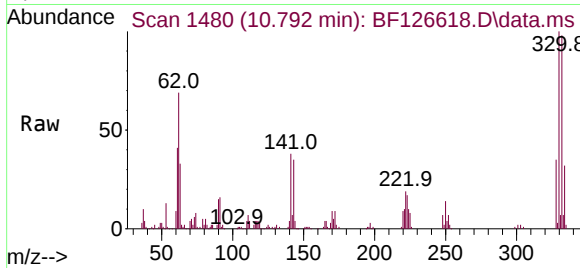




#65
4,6-Dinitro-2-methylphenol
Concen: 7.493 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

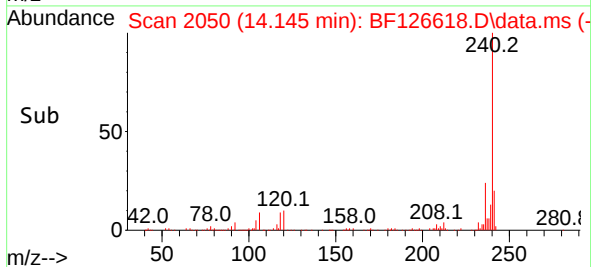
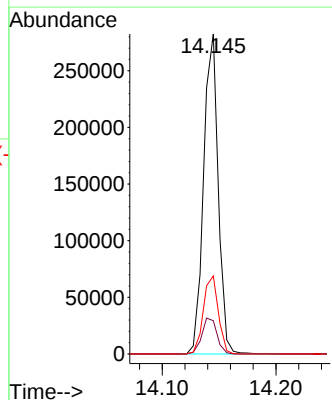
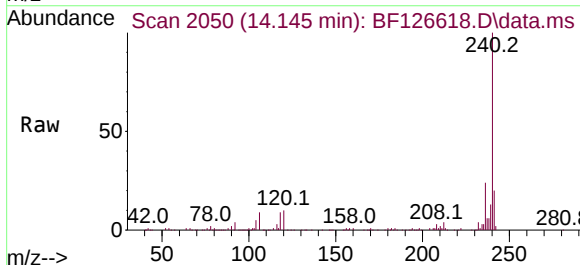
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-7

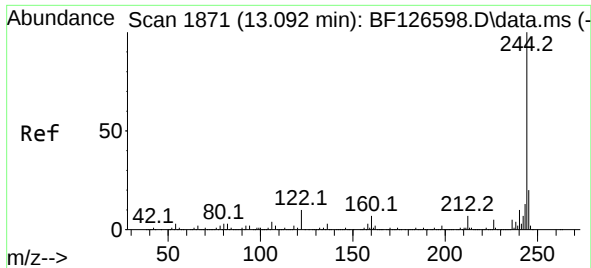
Tgt Ion:198 Resp: 268
Ion Ratio Lower Upper
198 100
51 190.7 32.0 72.0#
105 224.3 32.7 72.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126618.D
Acq: 20 Jan 2022 18:33

Tgt Ion:240 Resp: 251943
Ion Ratio Lower Upper
240 100
120 10.4 14.4 21.6#
236 24.4 20.5 30.7

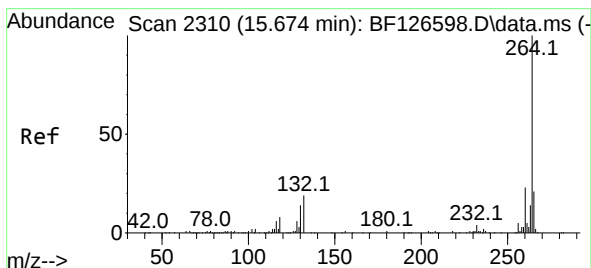
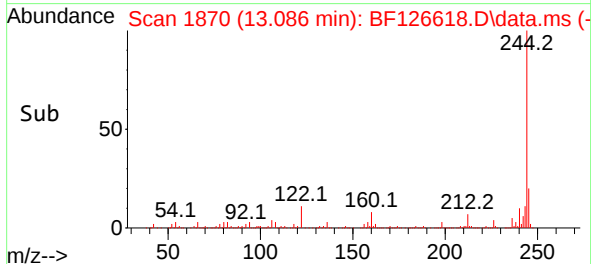
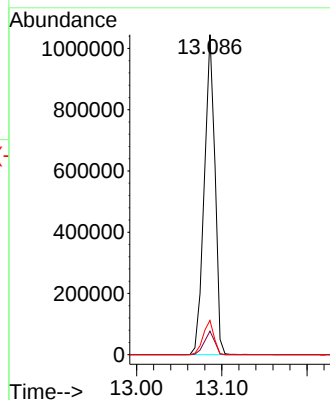
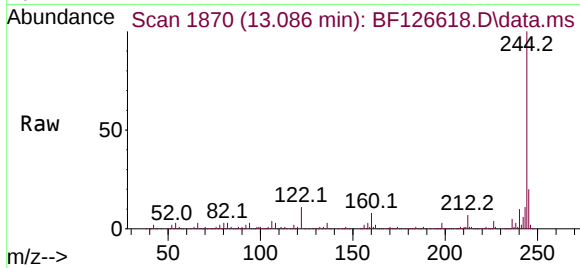




#79
 Terphenyl-d14
 Concen: 60.230 ng
 RT: 13.086 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126618.D
 Acq: 20 Jan 2022 18:33

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-7

Tgt Ion:244 Resp: 904715
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.0 7.4
 122 10.7 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.668 min Scan# 2309
 Delta R.T. -0.006 min
 Lab File: BF126618.D
 Acq: 20 Jan 2022 18:33

Tgt Ion:264 Resp: 193319
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.5 17.4 26.2

