

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012022\
 Data File : BF126616.D
 Acq On : 20 Jan 2022 17:39
 Operator : CG/JU
 Sample : N1189-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-5

Quant Time: Jan 21 04:14:23 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)

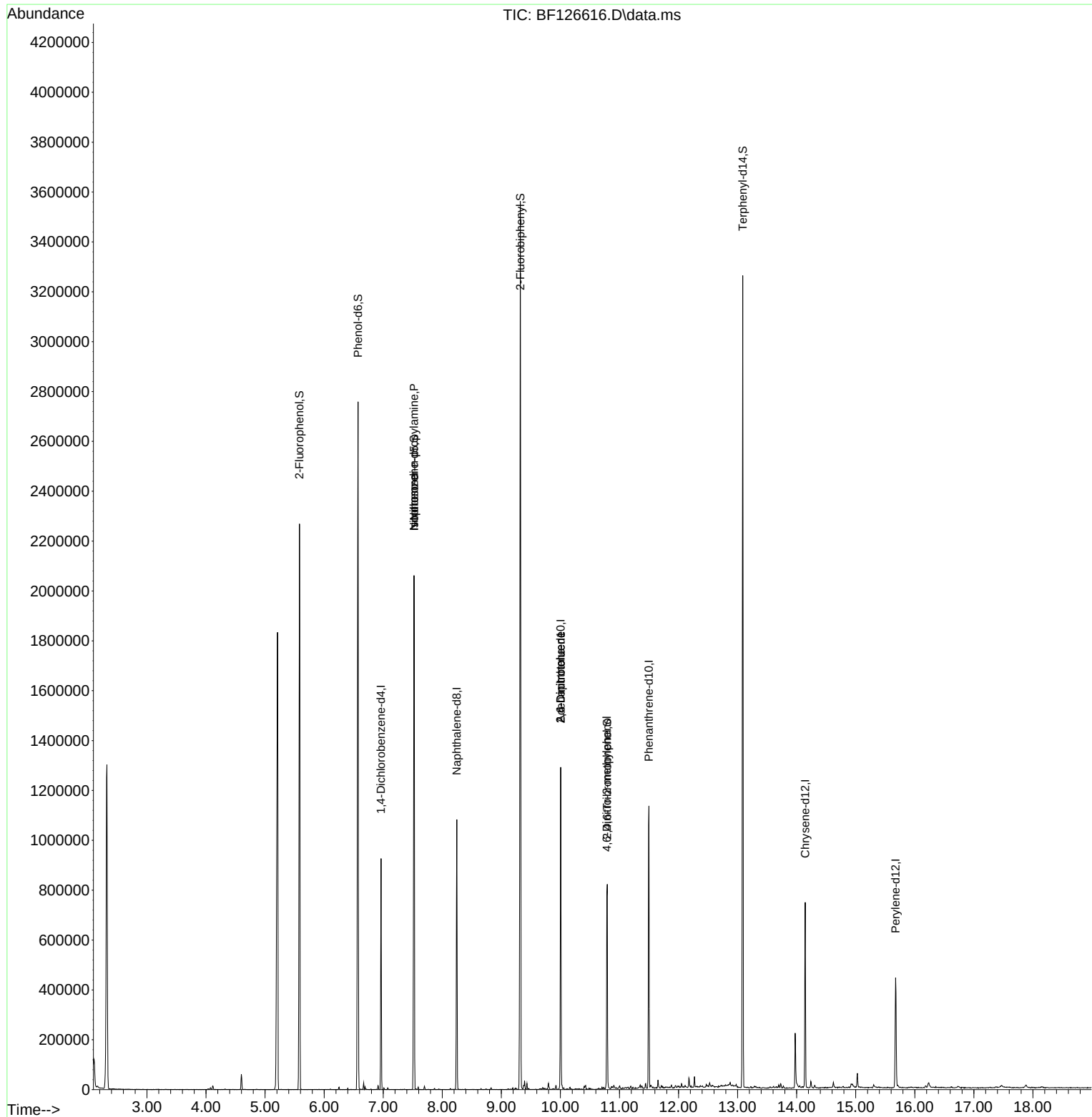
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	105663	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	409875	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	224777	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	385874	20.000	ng	0.00
76) Chrysene-d12	14.145	240	232653	20.000	ng	# 0.00
86) Perylene-d12	15.674	264	199756	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	564308	70.277	ng	0.00
7) Phenol-d6	6.575	99	949834	85.138	ng	0.00
23) Nitrobenzene-d5	7.522	82	788895	75.336	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	78793	37.457	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	989735	67.435	ng	0.00
79) Terphenyl-d14	13.086	244	992409	71.546	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.575	77	1746	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.522	70	107651	13.221	ng	# 69
25) Isophorone	7.522	82	788882	38.846	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	29599	10.744	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	29599	8.867	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.786	198	256	7.489	ng	# 1

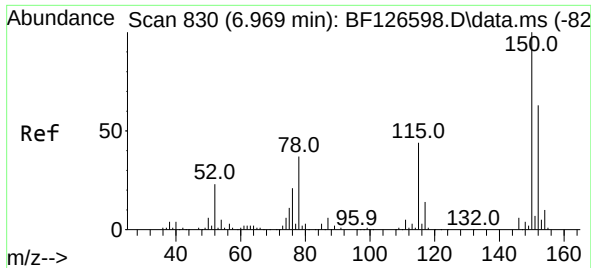
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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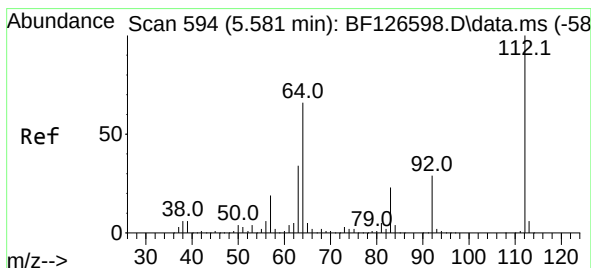
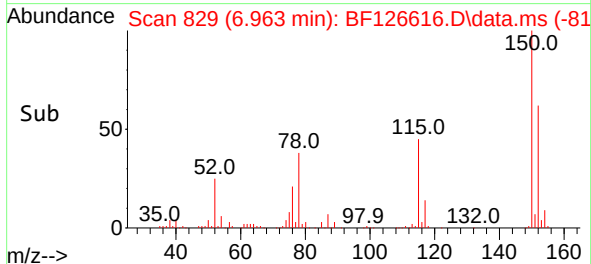
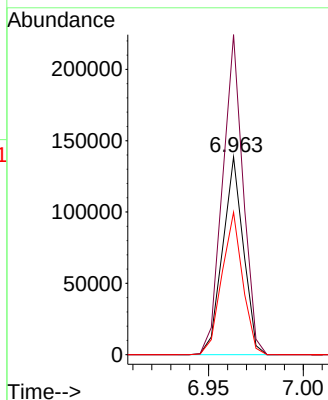
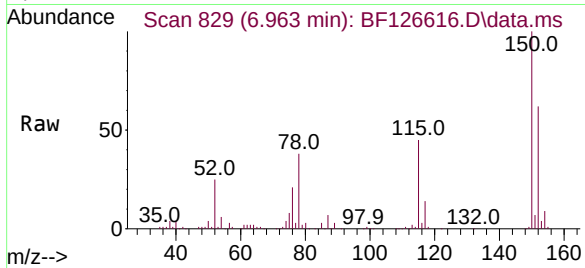




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

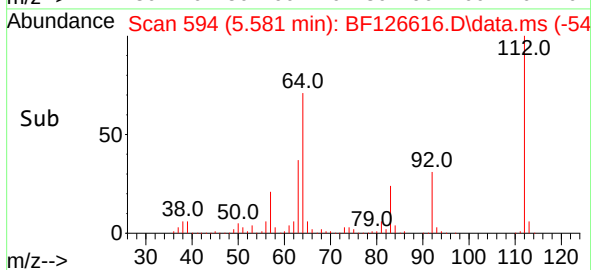
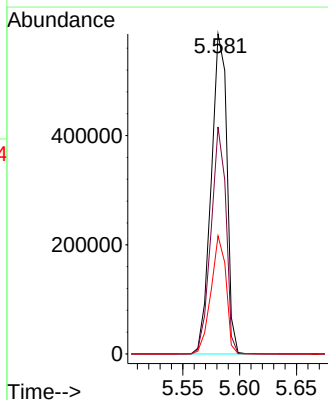
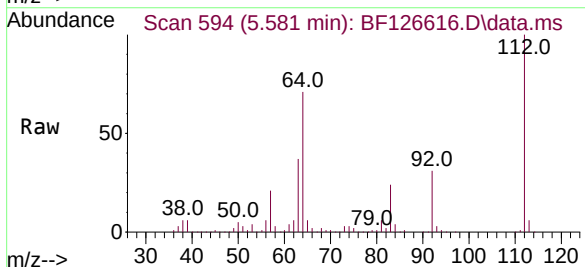
Instrument :
BNA_F
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MTR-SOIL-5

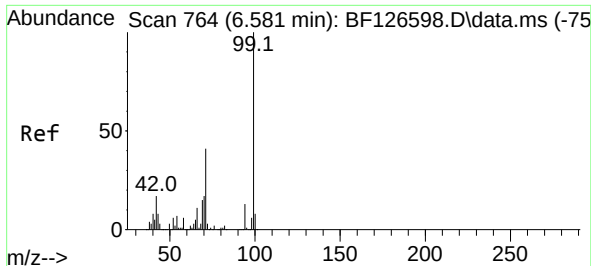
Tgt Ion:152 Resp: 105663
Ion Ratio Lower Upper
152 100
150 161.7 128.1 192.1
115 72.0 56.7 85.1



#5
2-Fluorophenol
Concen: 70.277 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.000 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Tgt Ion:112 Resp: 564308
Ion Ratio Lower Upper
112 100
64 71.0 49.5 74.3
63 36.9 23.9 35.9#

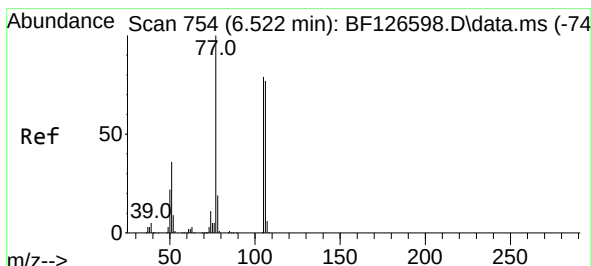
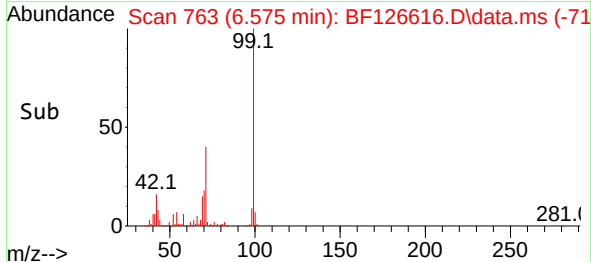
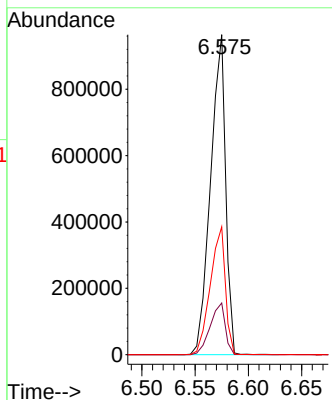
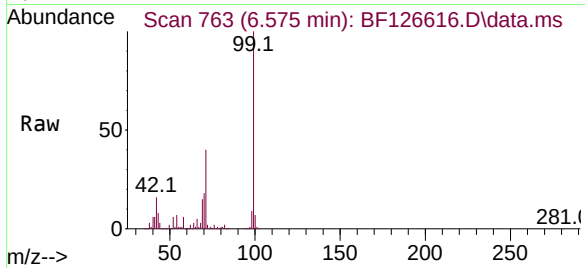




#7
Phenol-d6
Concen: 85.138 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

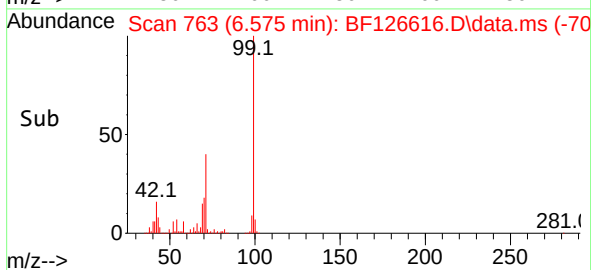
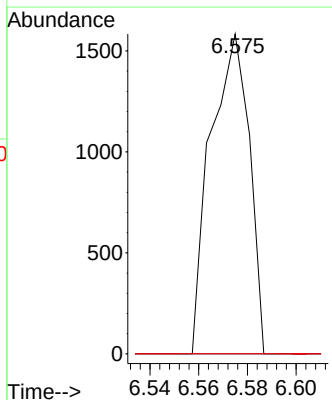
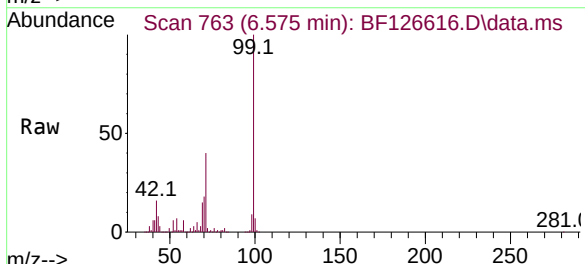
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-5

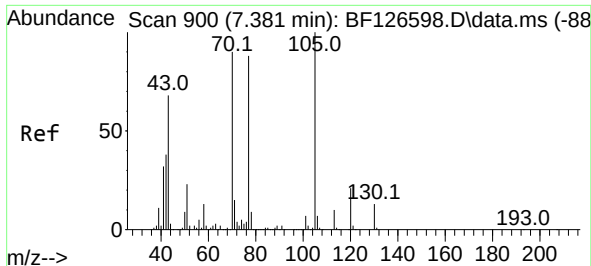
Tgt Ion: 99 Resp: 949834
Ion Ratio Lower Upper
99 100
42 16.2 14.2 21.4
71 39.9 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.575 min Scan# 763
Delta R.T. 0.053 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Tgt Ion: 77 Resp: 1746
Ion Ratio Lower Upper
77 100
105 0.0 74.9 114.9#
106 0.0 72.4 112.4#

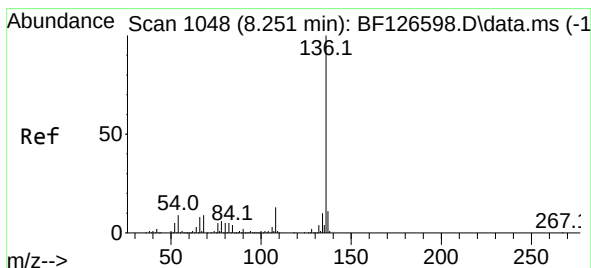
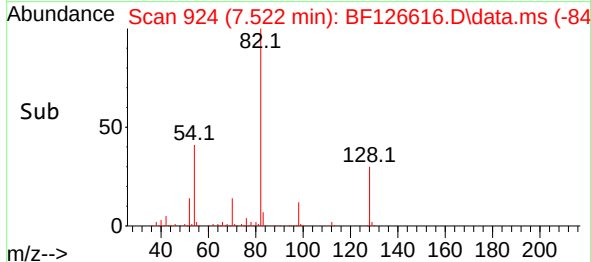
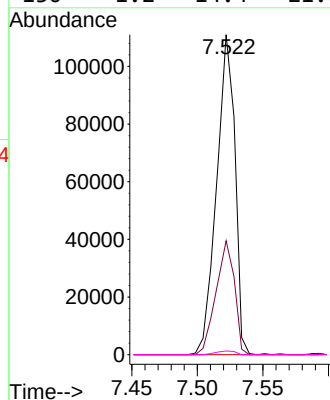
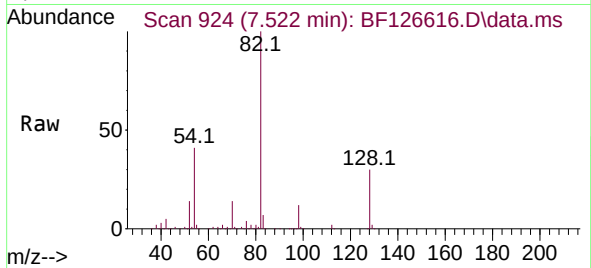




#19
n-Nitroso-di-n-propylamine
Concen: 13.221 ng
RT: 7.522 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

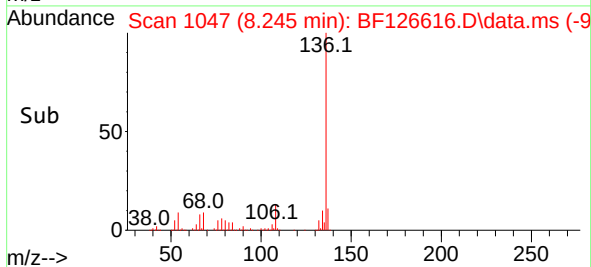
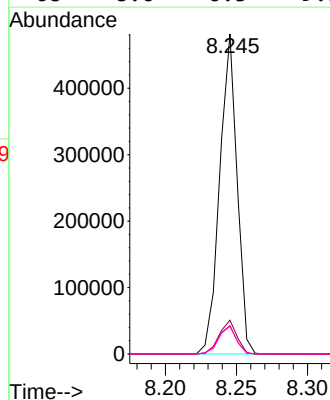
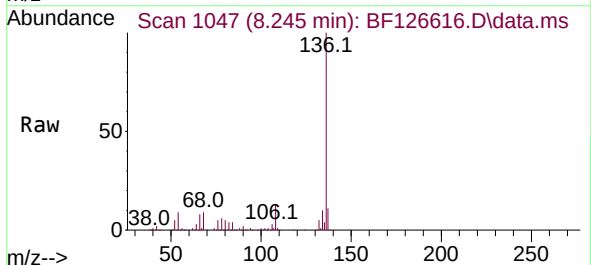
Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-5

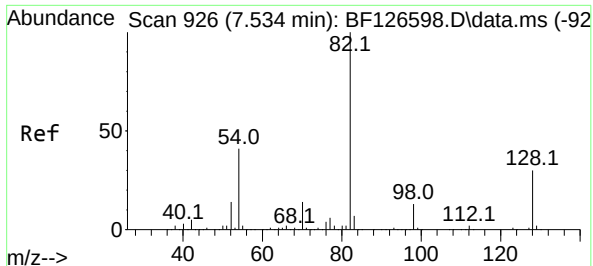
Tgt Ion: 70 Resp: 107651
Ion Ratio Lower Upper
70 100
42 35.6 45.8 68.8#
101 0.0 6.9 10.3#
130 1.2 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Tgt Ion: 136 Resp: 409875
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.8 7.8 11.6
68 8.6 6.3 9.5

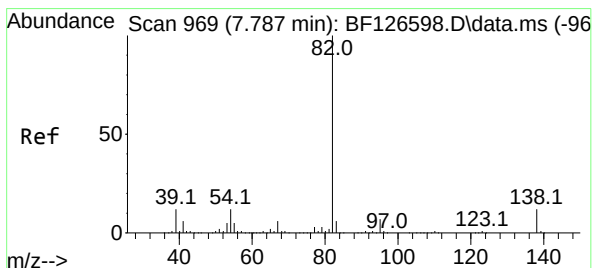
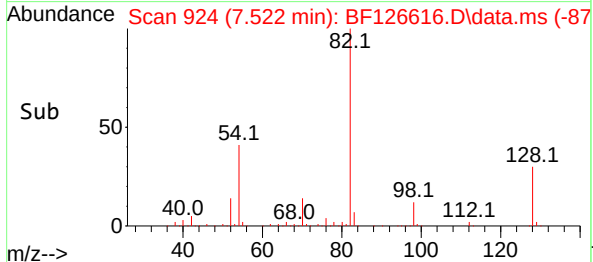
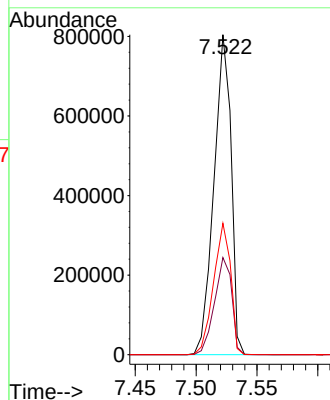
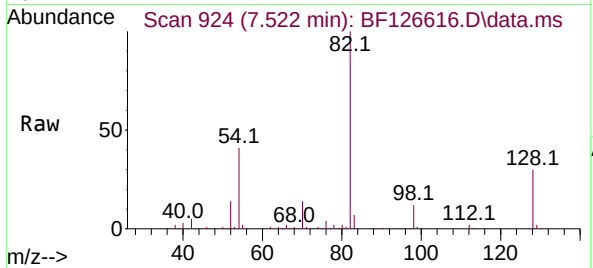




#23
Nitrobenzene-d5
Concen: 75.336 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

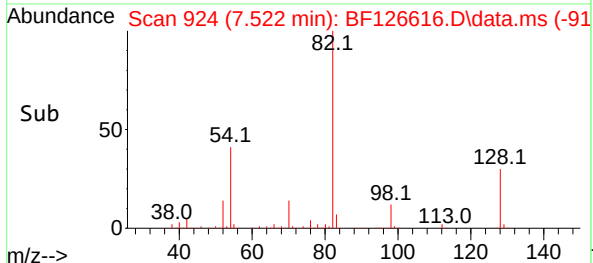
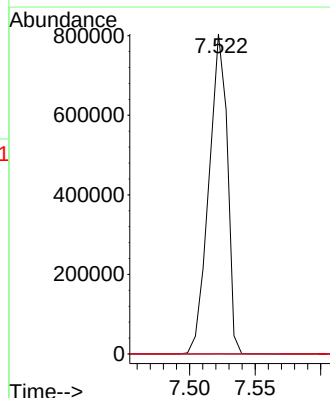
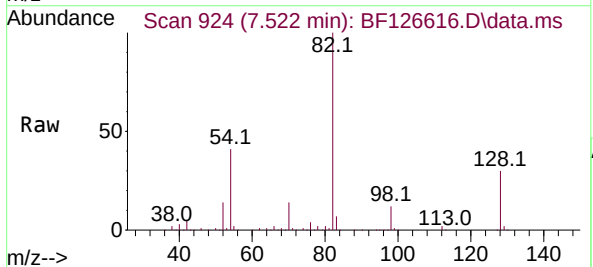
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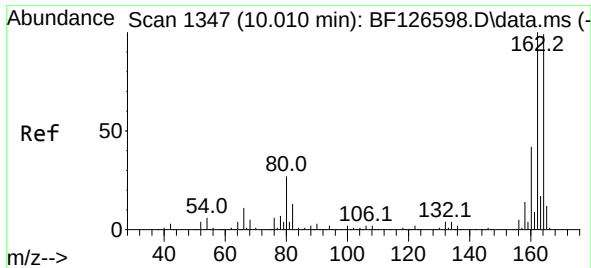
Tgt Ion: 82 Resp: 788895
Ion Ratio Lower Upper
82 100
128 30.4 32.7 49.1#
54 41.0 41.7 62.5#



#25
Isophorone
Concen: 38.846 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Tgt Ion: 82 Resp: 788882
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

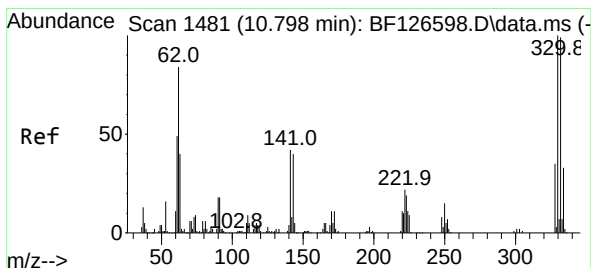
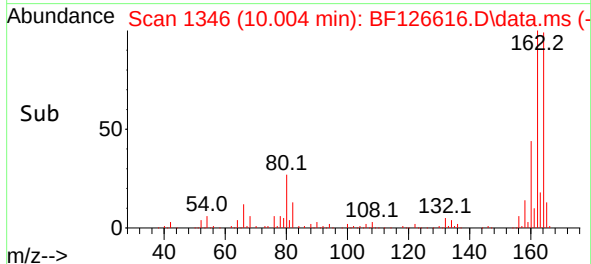
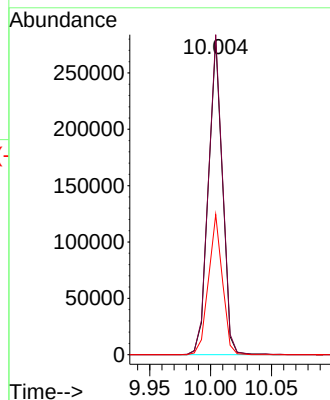
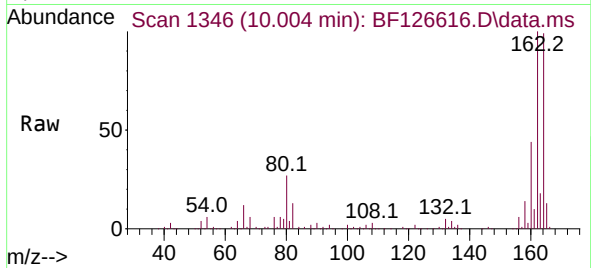




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

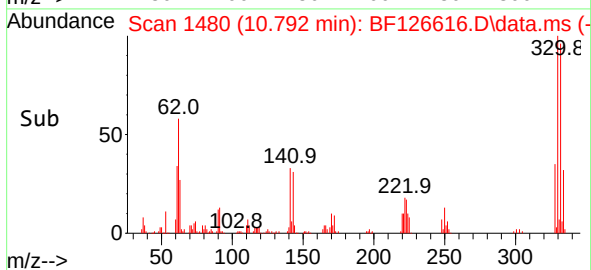
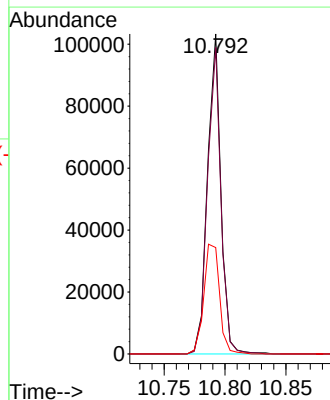
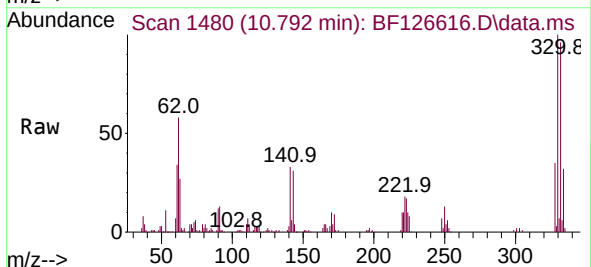
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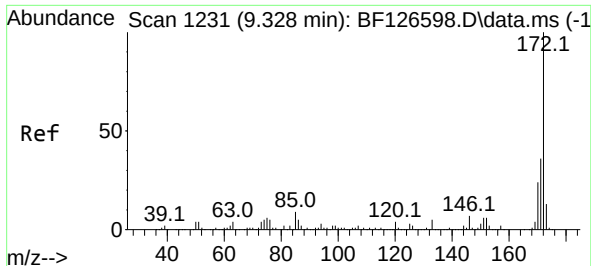
Tgt Ion:164 Resp: 224777
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 44.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 37.457 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Tgt Ion:330 Resp: 78793
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 40.6 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 67.435 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126616.D

Acq: 20 Jan 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MTR-SOIL-5

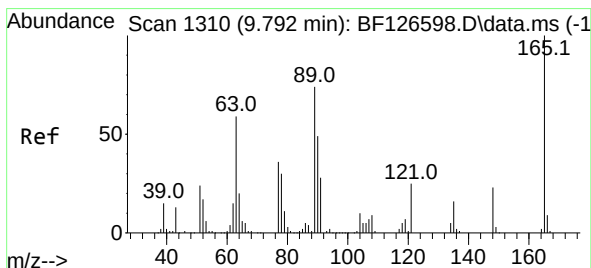
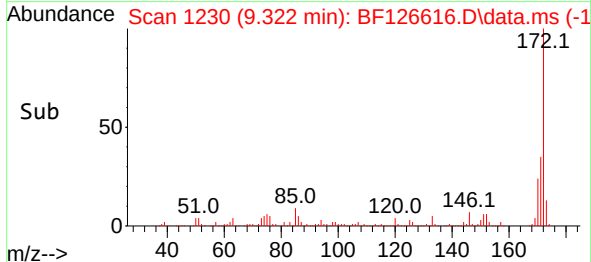
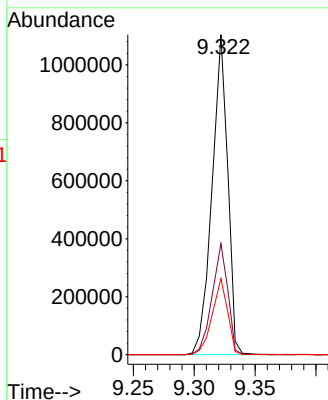
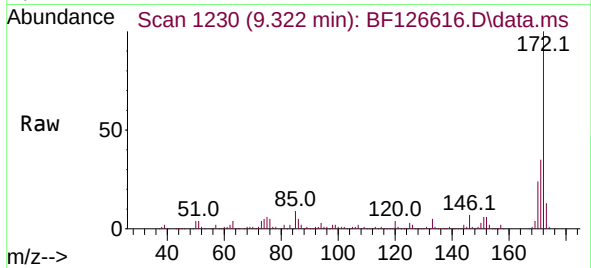
Tgt Ion:172 Resp: 989735

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.8 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.744 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126616.D

Acq: 20 Jan 2022 17:39

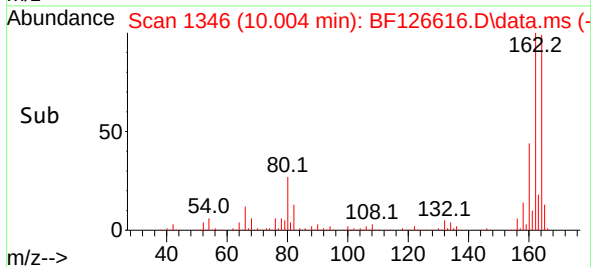
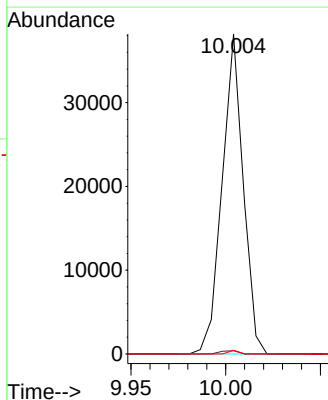
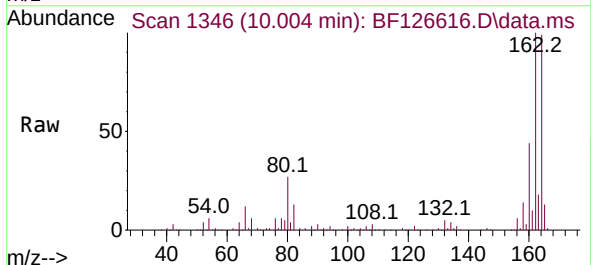
Tgt Ion:165 Resp: 29599

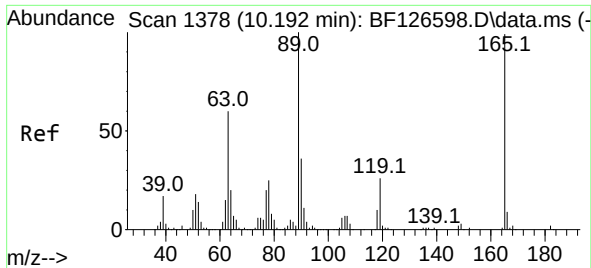
Ion Ratio Lower Upper

165 100

63 1.0 48.4 72.6#

89 1.2 50.5 75.7#

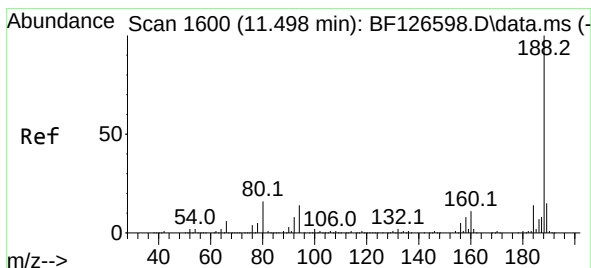
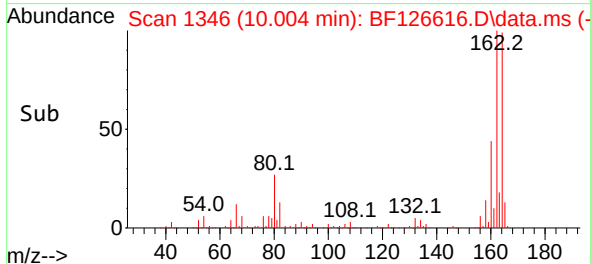
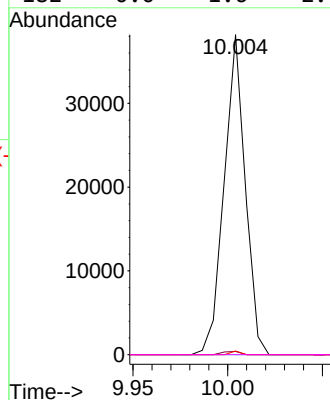
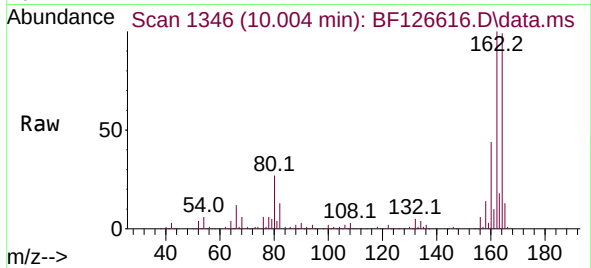




#57
2,4-Dinitrotoluene
Concen: 8.867 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

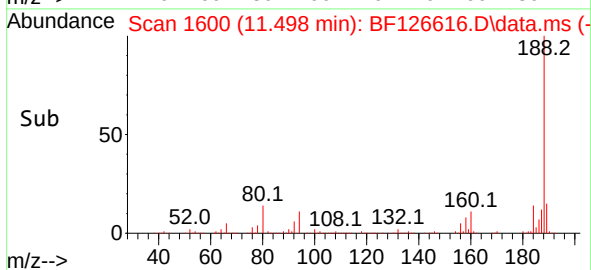
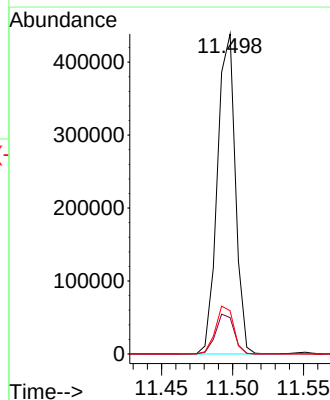
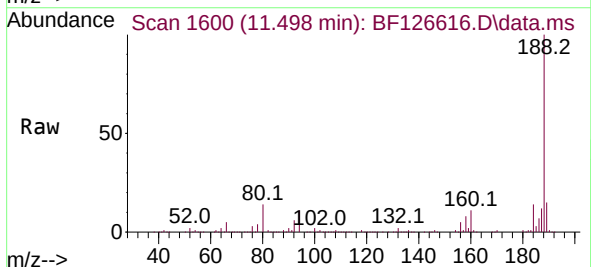
Instrument :
BNA_F
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MTR-SOIL-5

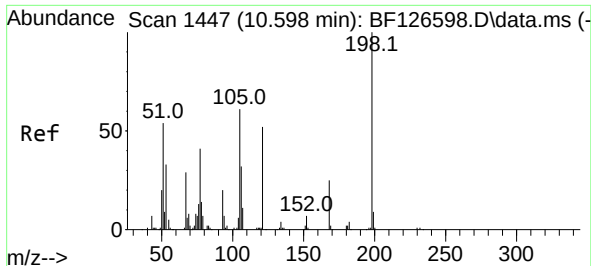
Tgt Ion:165 Resp: 29599
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

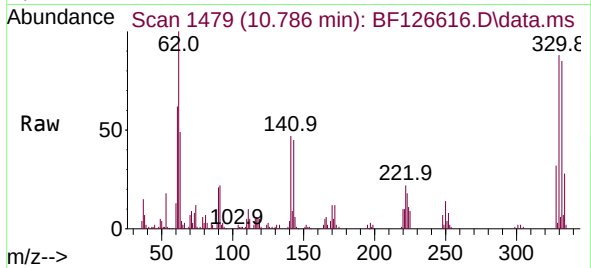
Tgt Ion:188 Resp: 385874
Ion Ratio Lower Upper
188 100
94 11.3 10.1 15.1
80 13.5 11.8 17.6



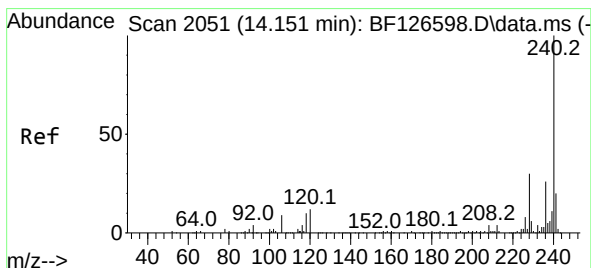
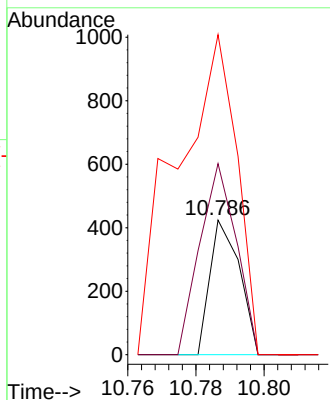
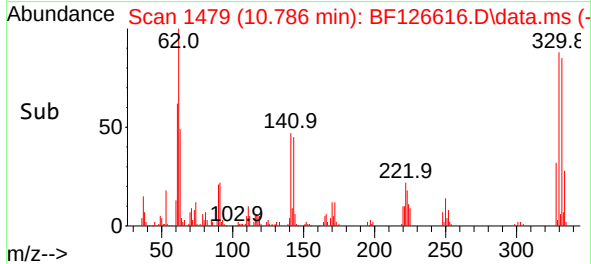


#65
4,6-Dinitro-2-methylphenol
Concen: 7.489 ng
RT: 10.786 min Scan# 1447
Delta R.T. 0.188 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-5

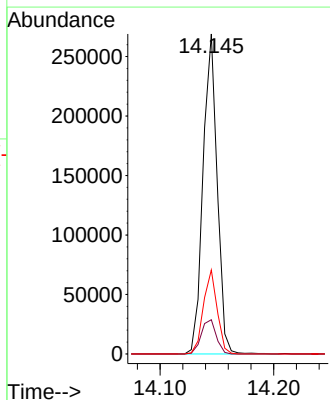
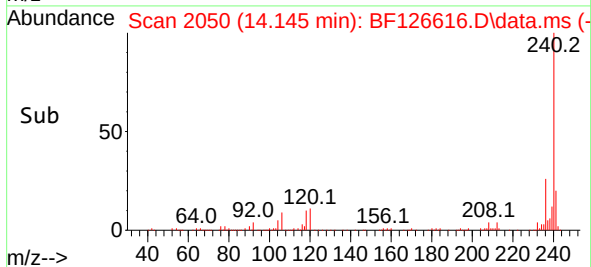
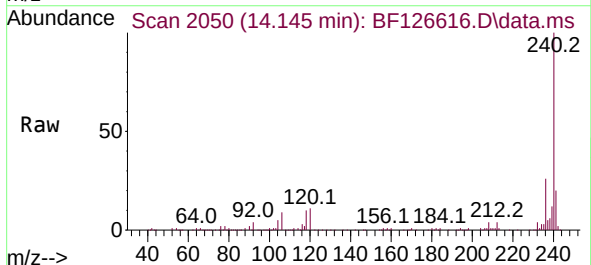


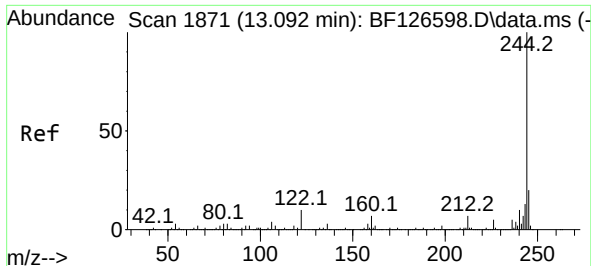
Tgt Ion:198 Resp: 256
Ion Ratio Lower Upper
198 100
51 142.0 32.0 72.0#
105 237.7 32.7 72.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126616.D
Acq: 20 Jan 2022 17:39

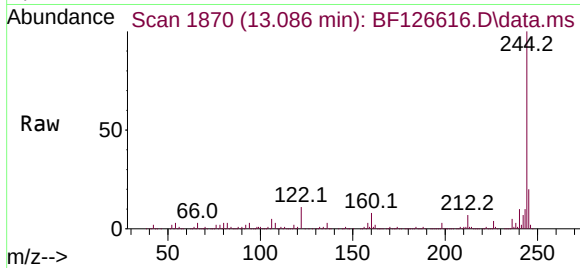
Tgt Ion:240 Resp: 232653
Ion Ratio Lower Upper
240 100
120 10.7 14.4 21.6#
236 26.3 20.5 30.7



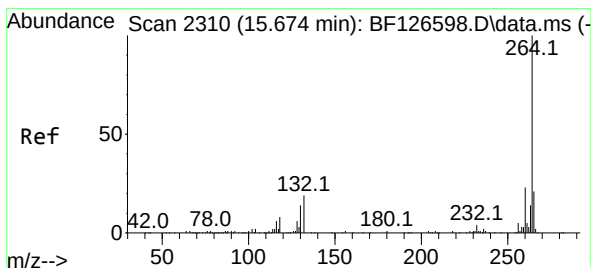
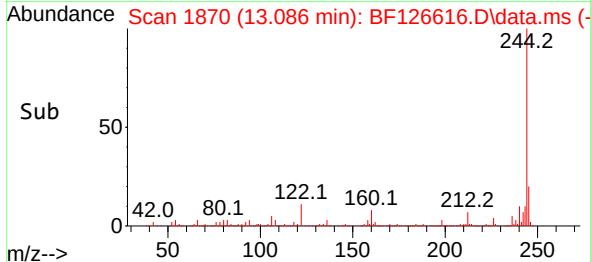
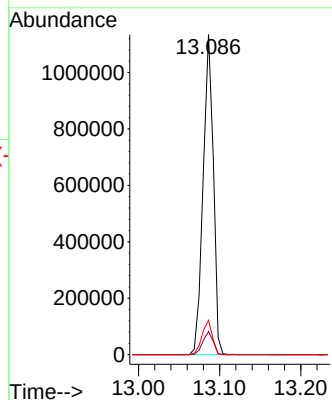


#79
 Terphenyl-d14
 Concen: 71.546 ng
 RT: 13.086 min Scan# 1871
 Delta R.T. -0.006 min
 Lab File: BF126616.D
 Acq: 20 Jan 2022 17:39

Instrument :
 BNA_F
 ClientSampleId :
 MTR-SOIL-5



Tgt Ion:244 Resp: 992409
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.0 7.4
 122 10.8 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.674 min Scan# 2310
 Delta R.T. 0.000 min
 Lab File: BF126616.D
 Acq: 20 Jan 2022 17:39

Tgt Ion:264 Resp: 199756
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.9 17.4 26.2

