

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121601.D
 Acq On : 17 Sep 2020 17:12
 Operator : JU/CG
 Sample : L4032-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORING

Quant Time: Sep 17 18:20:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

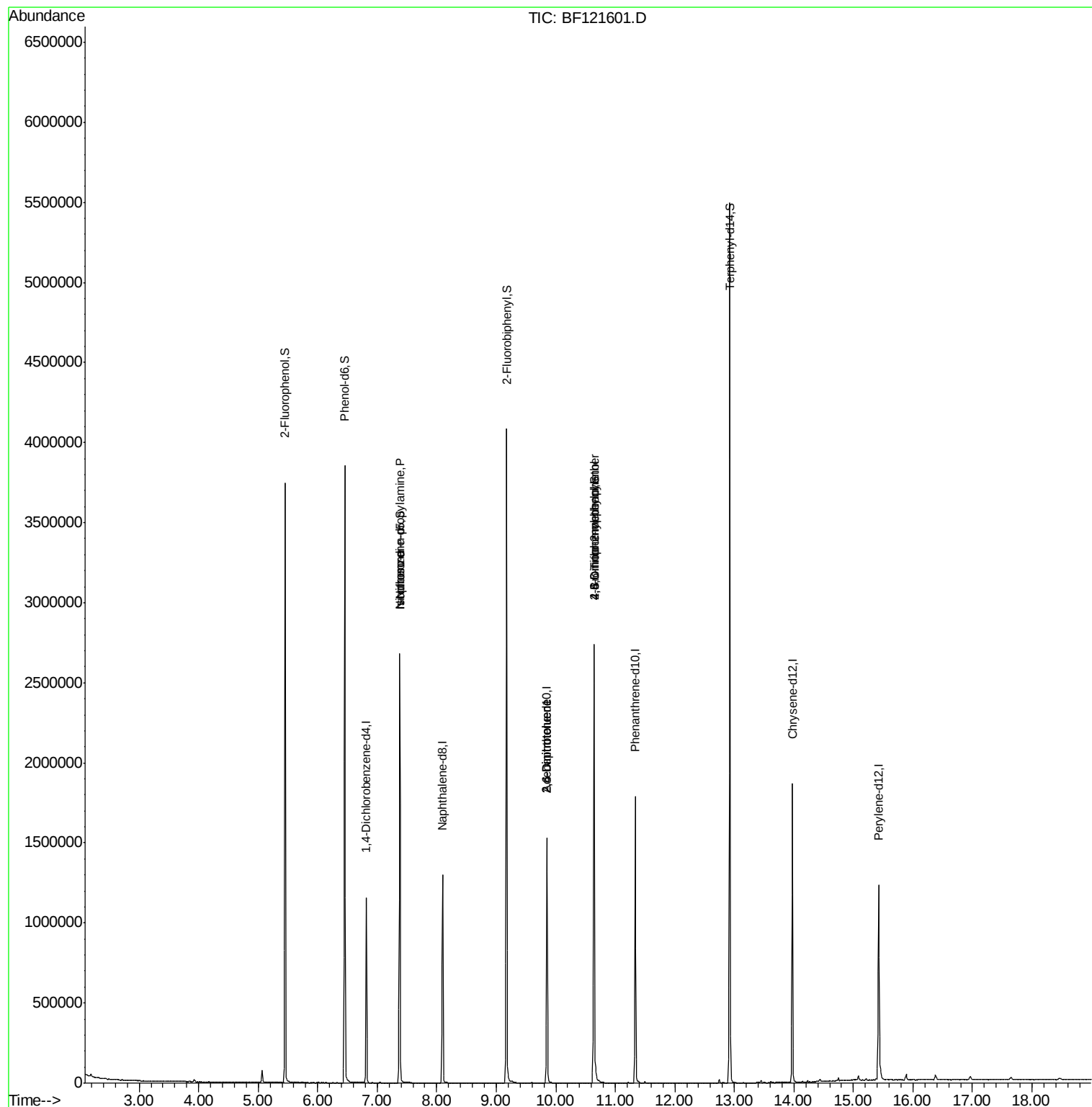
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	178057	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	703958	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	366243	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	704413	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	641007	20.00	ng	-0.02
86) Perylene-d12	15.43	264	589942	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1110185	92.66	ng	0.01
7) Phenol-d6	6.46	99	1404484	89.35	ng	0.00
23) Nitrobenzene-d5	7.38	82	992700	75.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	452524	99.41	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	1733355	71.68	ng	-0.01
79) Terphenyl-d14	12.93	244	1971331	62.30	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	132413	14.616	ng	# 79
25) Isophorone	7.38	82	984647	37.307	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	47005	8.315	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	47005	6.609	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.65	198	740	6.999	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	26449	3.298	ng	# 1

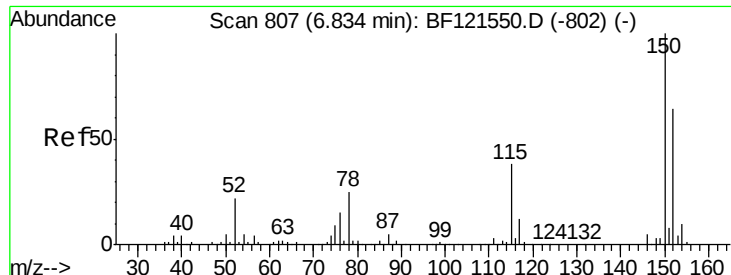
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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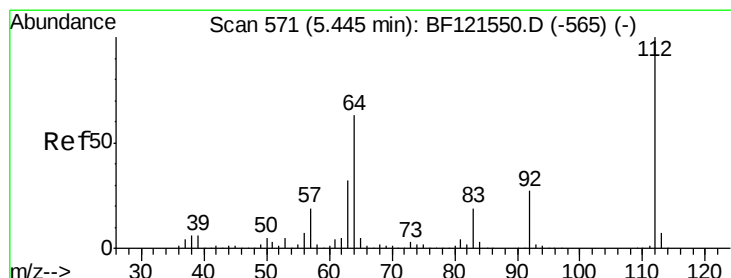
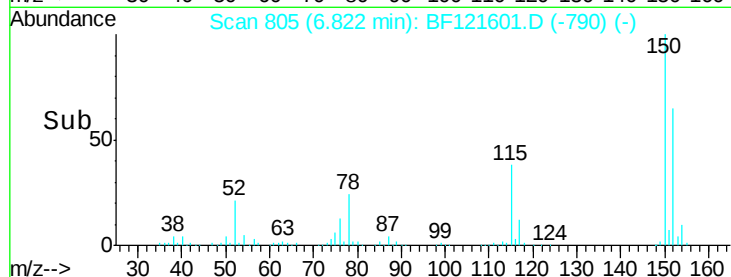
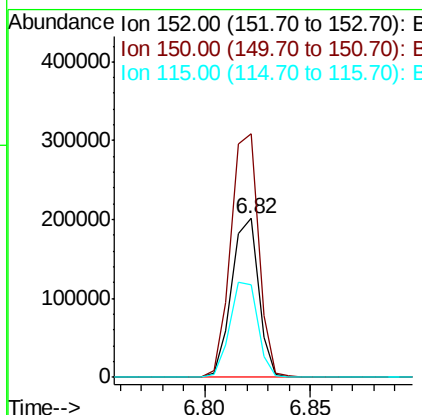
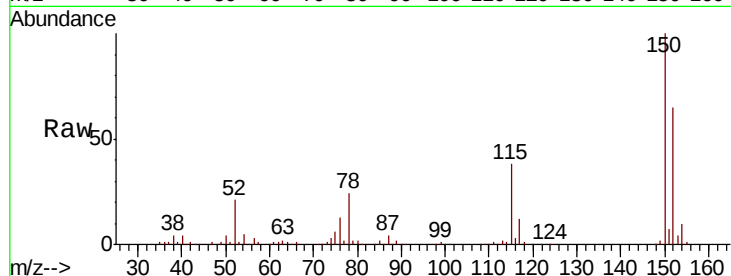


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Instrument :
BNA_F
ClientSampleId :
SOIL-BORING

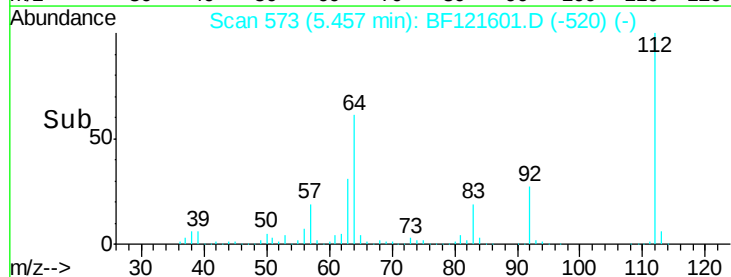
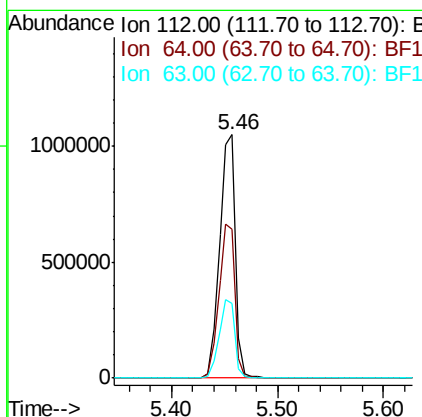
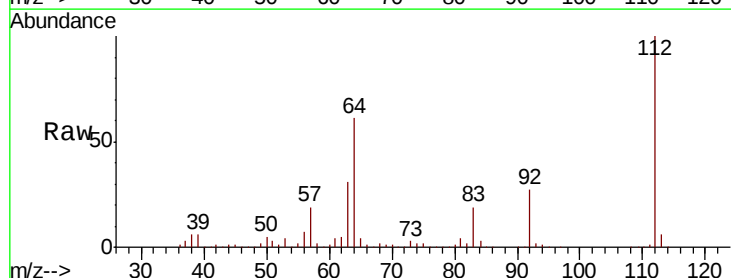
Tot Ion:152 Resp: 178057
Ion Ratio Lower Upper
152 100
150 153.5 125.8 188.6
115 58.0 47.8 71.8

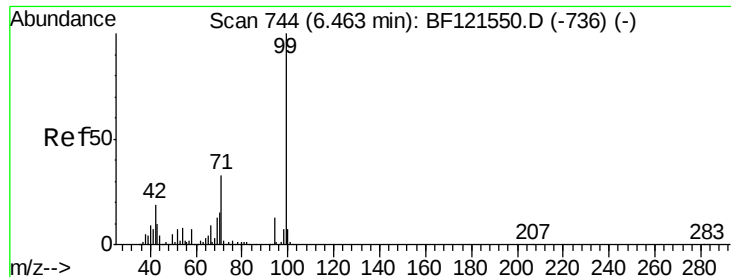


#5

2-Fluorophenol
Concen: 92.660 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Tgt Ion:112 Resp: 1110185
Ion Ratio Lower Upper
112 100
64 61.1 50.3 75.5
63 30.9 25.6 38.4





#7

Phenol-d6

Concen: 89.351 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

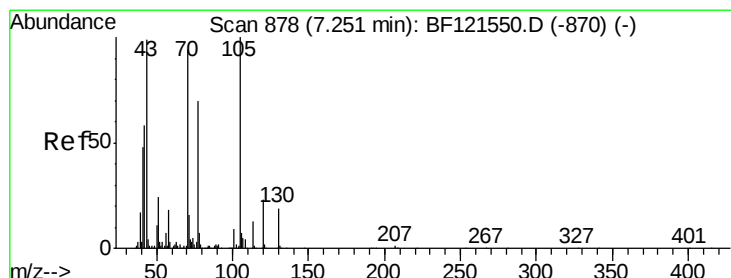
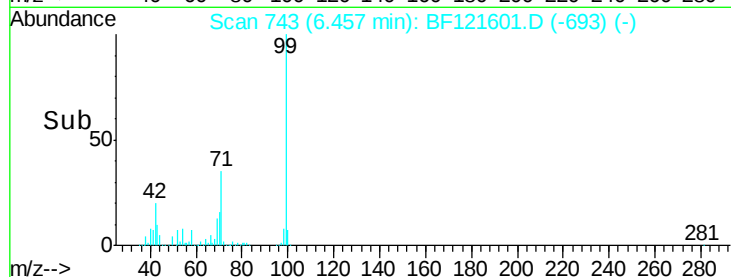
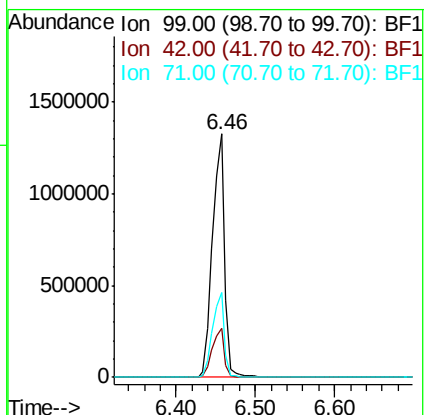
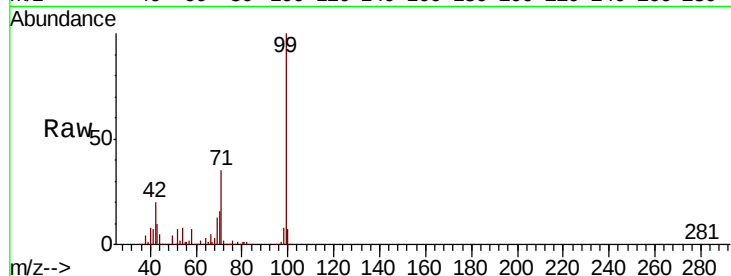
Tot Ion: 99 Resp: 1404484

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 35.0 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.616 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Tgt Ion: 70 Resp: 132413

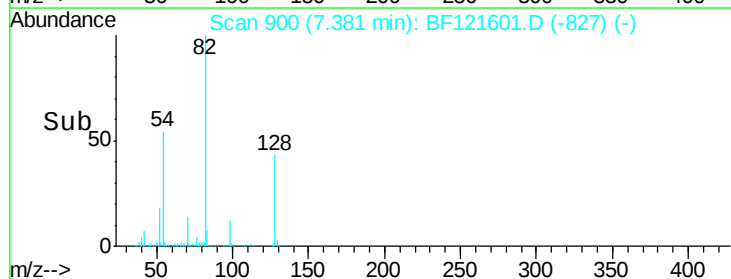
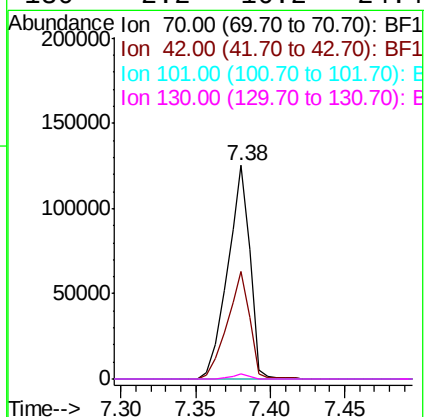
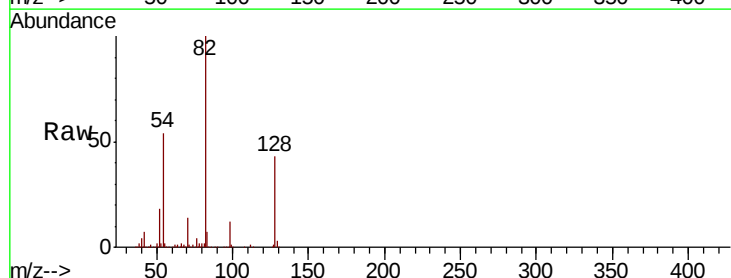
Ion Ratio Lower Upper

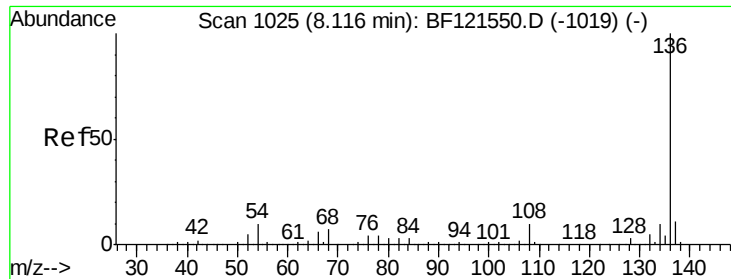
70 100

42 50.4 49.4 74.2

101 0.0 7.6 11.4#

130 2.2 16.2 24.4#

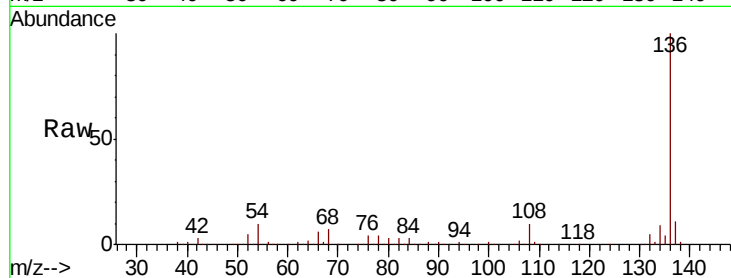




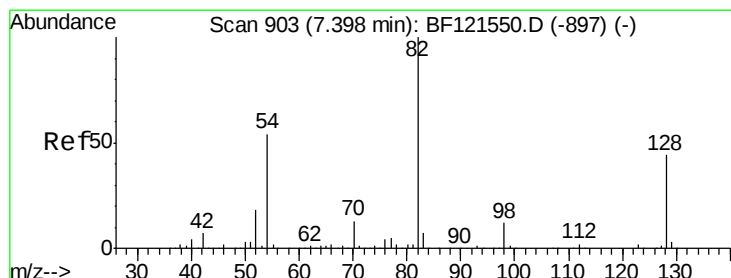
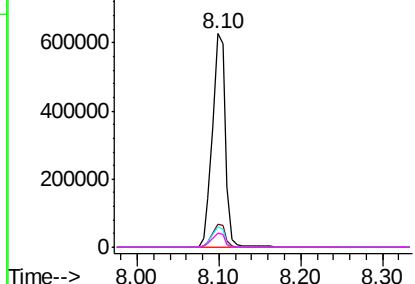
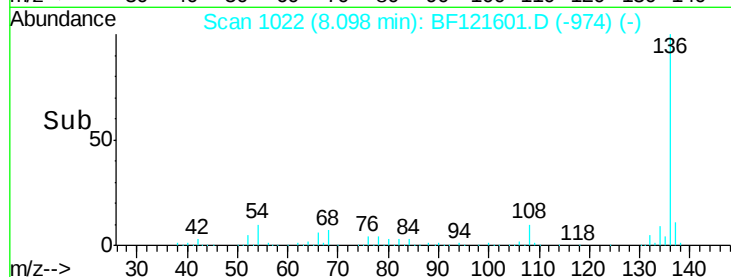
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Instrument :
BNA_F
ClientSampleId :
SOIL-BORING

Tot Ion:	136	Resp:	703958
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	9.8	7.6	11.4
68	6.8	5.7	8.5

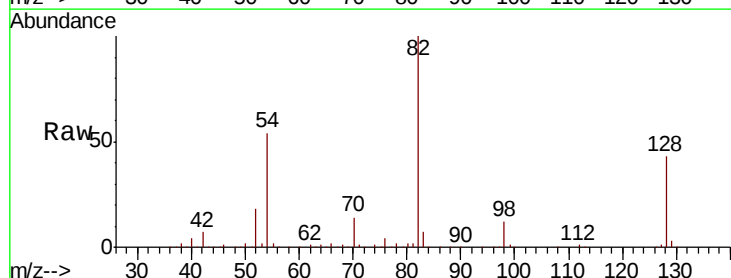


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

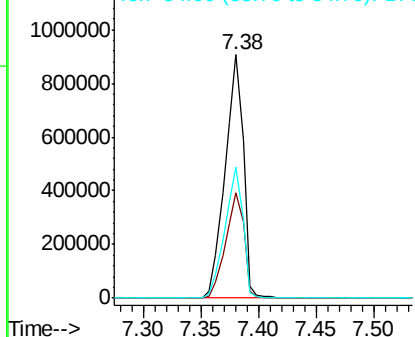
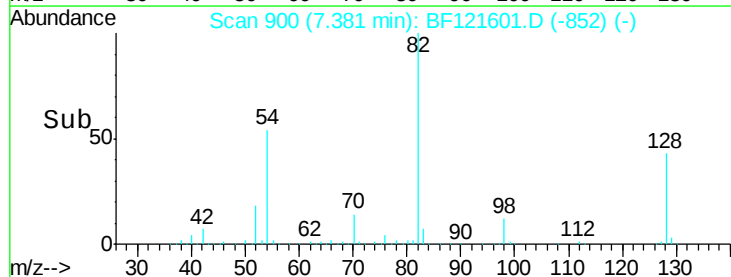


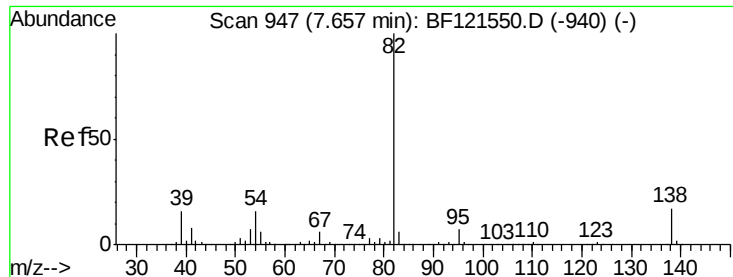
#23
Nitrobenzene-d5
Concen: 75.715 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Tgt Ion:	82	Resp:	992700
Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.1	52.7
54	54.0	43.0	64.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.307 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

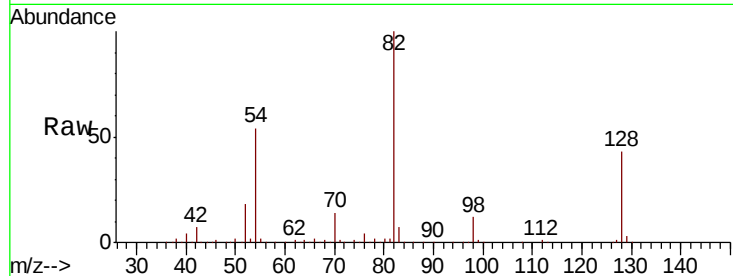
Tot Ion: 82 Resp: 984647

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

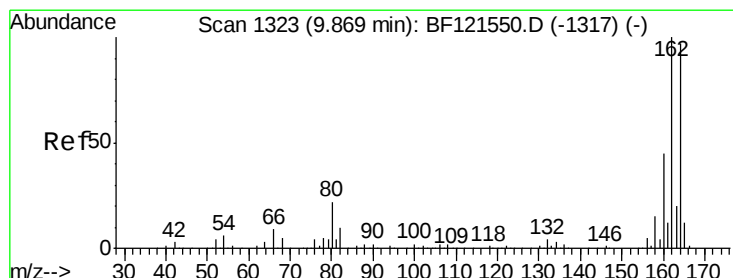
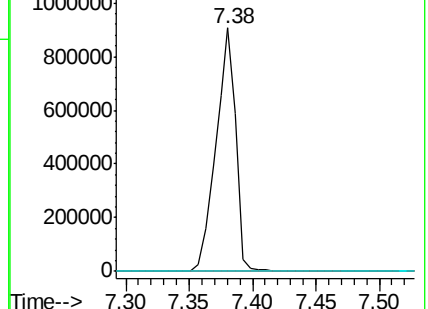
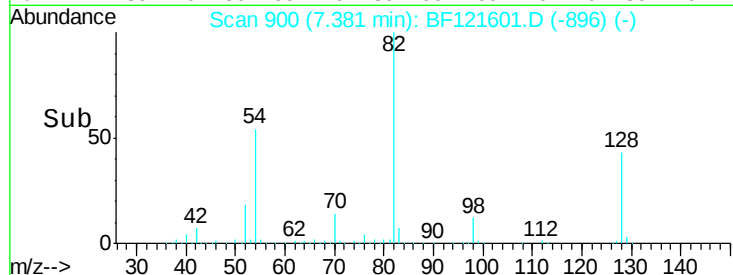
138 0.0 13.7 20.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

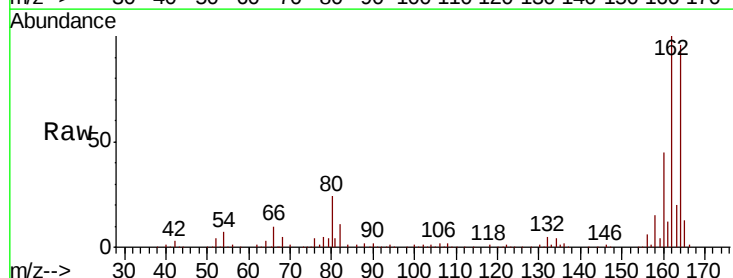
Tgt Ion: 164 Resp: 366243

Ion Ratio Lower Upper

164 100

162 104.0 82.3 123.5

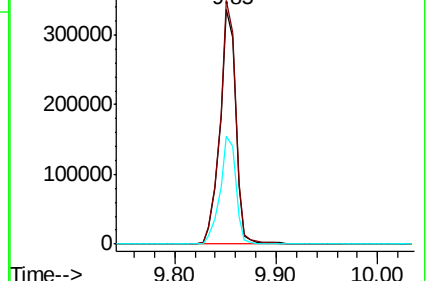
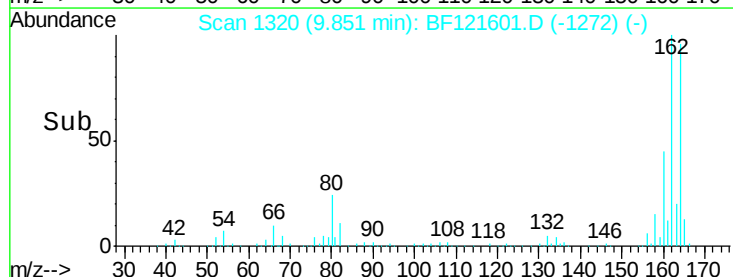
160 46.4 37.0 55.4

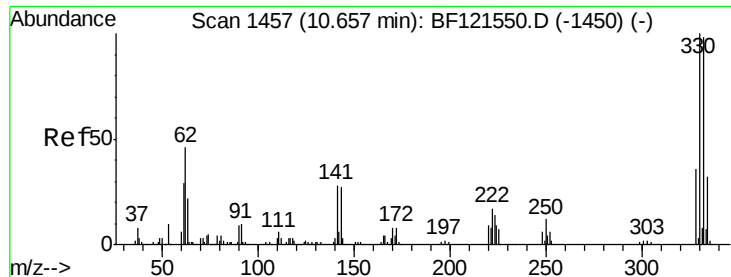


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

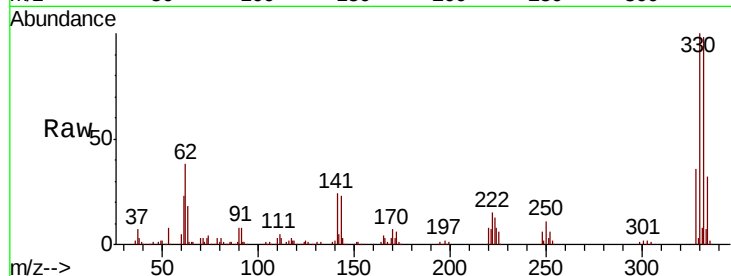




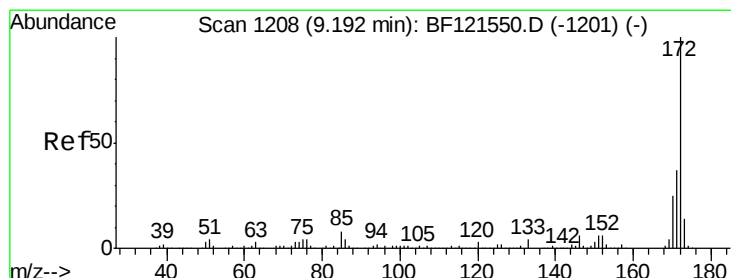
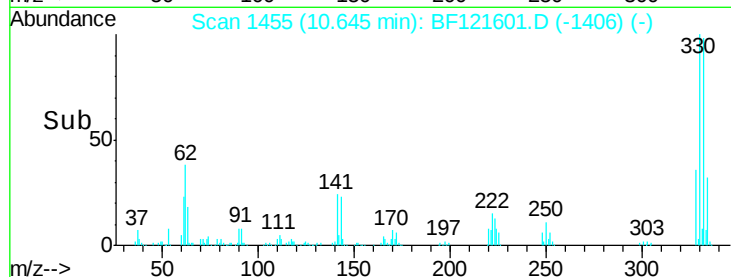
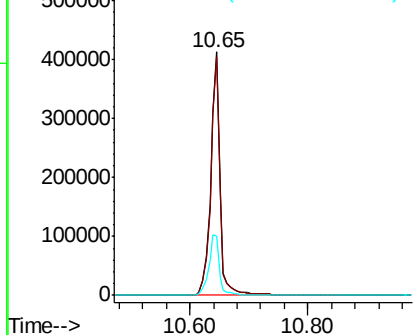
#42
 2,4,6-Tribromophenol
 Concen: 99.414 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

Instrument :
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 SOIL-BORING

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	28.5	23.6	35.4

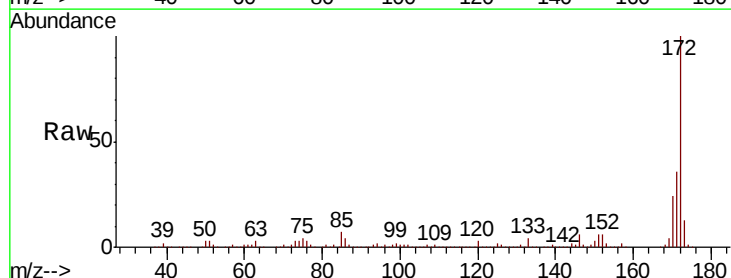


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

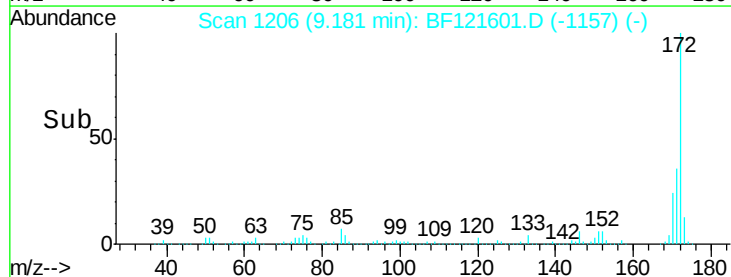
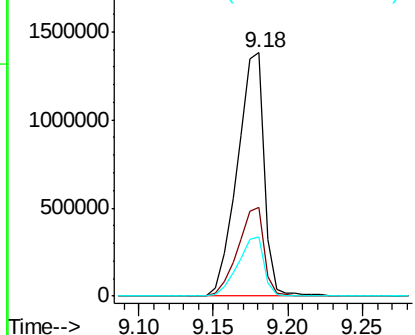


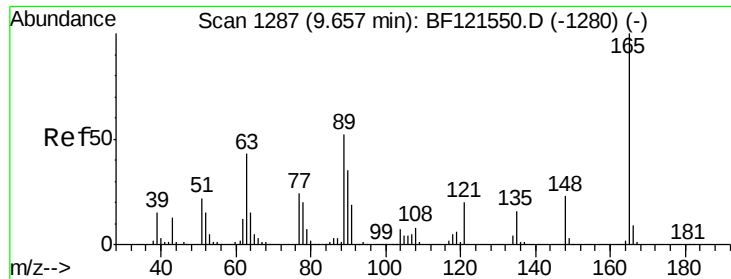
#45
 2-Fluorobiphenyl
 Concen: 71.680 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	24.3	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

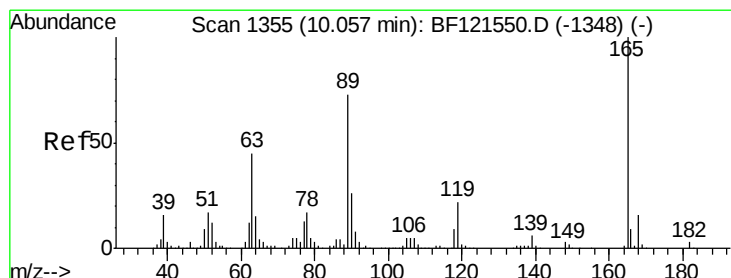
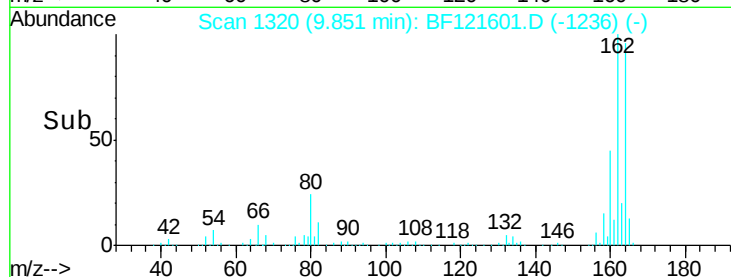
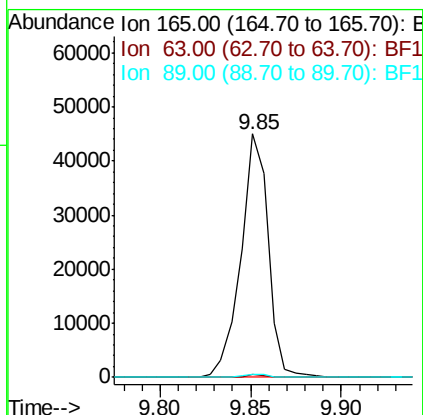
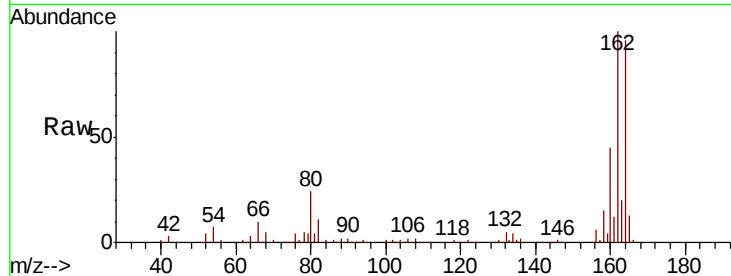




#51
 2,6-Dinitrotoluene
 Concen: 8.315 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.19 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

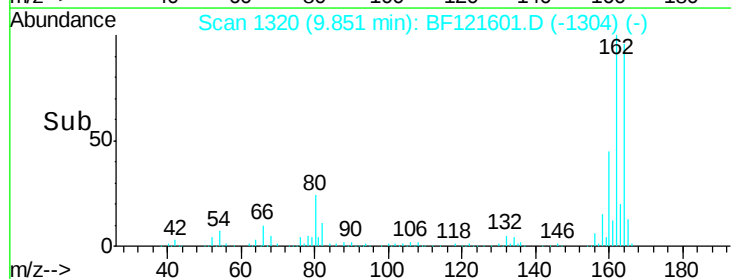
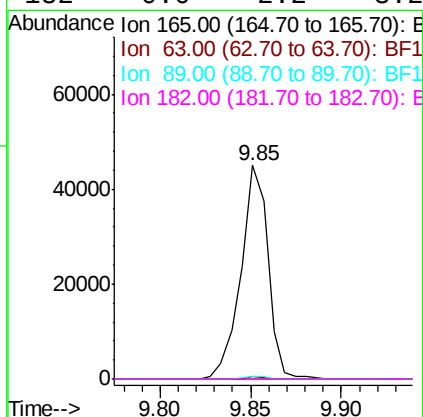
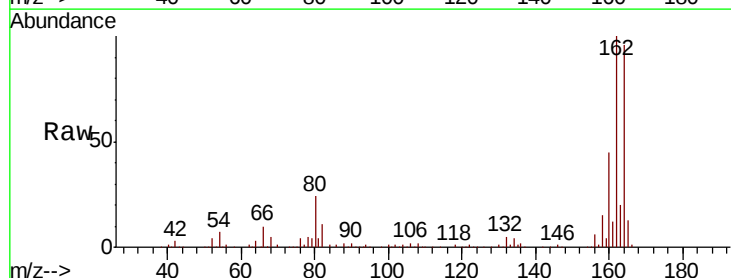
Instrument :
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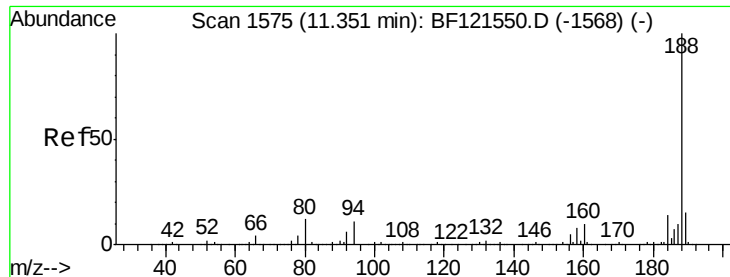
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.6	61.0#
89	1.3	41.8	62.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.609 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.2	54.4#
89	1.3	58.2	87.4#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

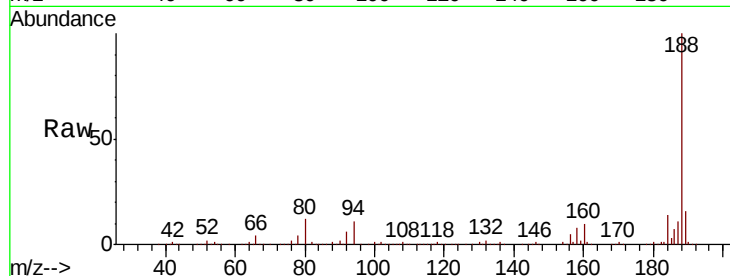
Tot Ion:188 Resp: 704413

Ion Ratio Lower Upper

188 100

94 10.7 8.7 13.1

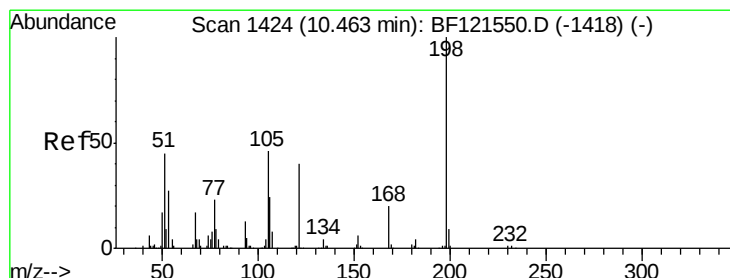
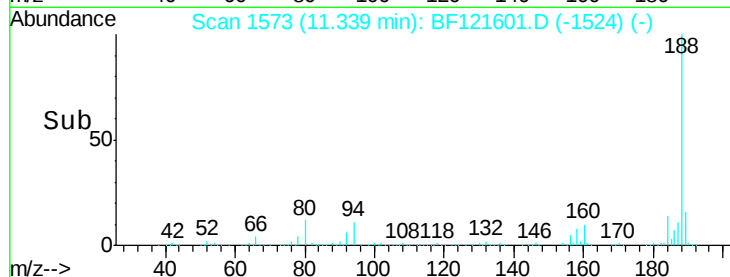
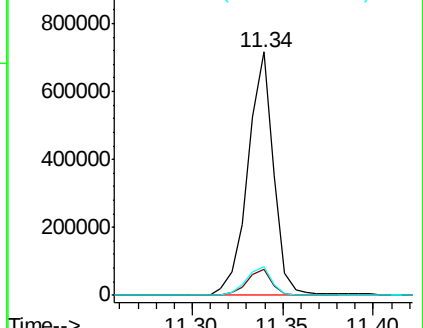
80 11.6 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.999 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.18 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

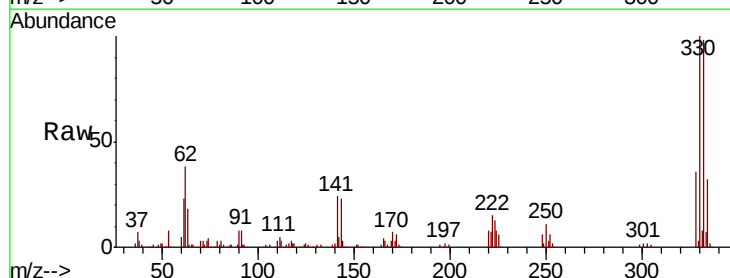
Tgt Ion:198 Resp: 740

Ion Ratio Lower Upper

198 100

51 143.4 31.1 71.1#

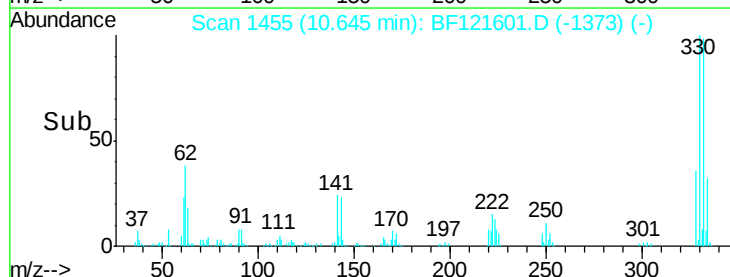
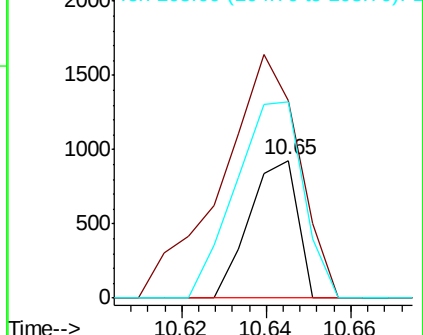
105 142.4 26.6 66.6#

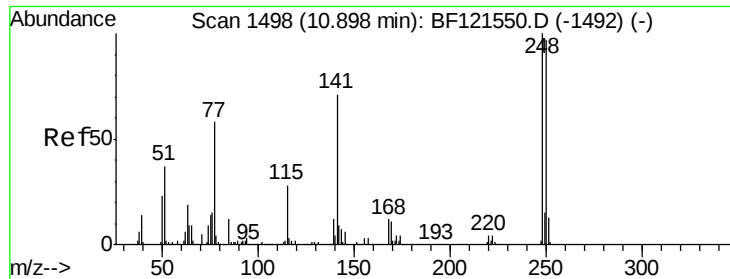


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

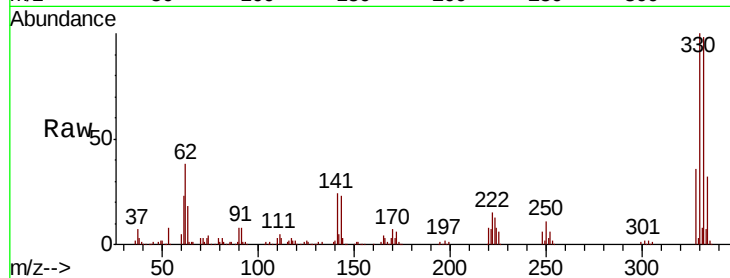




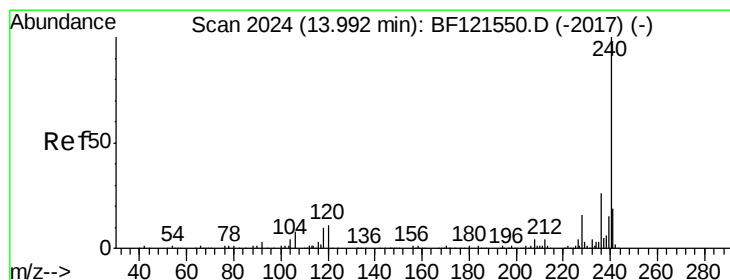
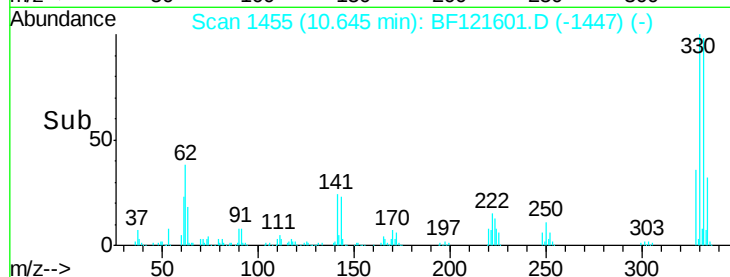
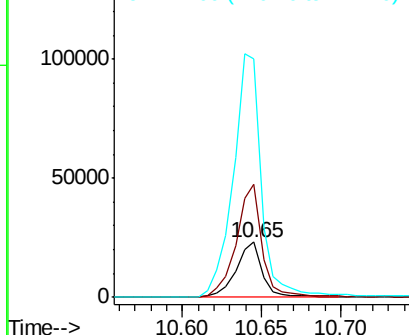
#67
 4-Bromophenyl-phenylether
 Concen: 3.298 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORING

Tot Ion:248 Resp: 26449
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.4 116.0#
 141 432.1 56.7 85.1#

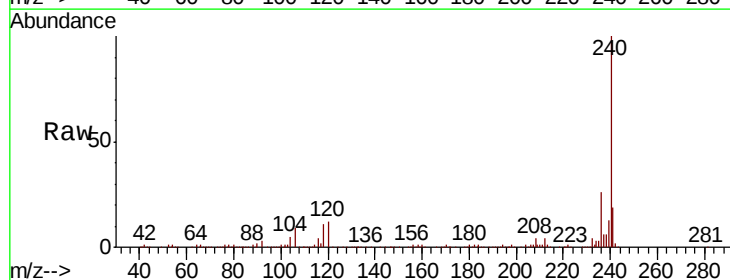


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

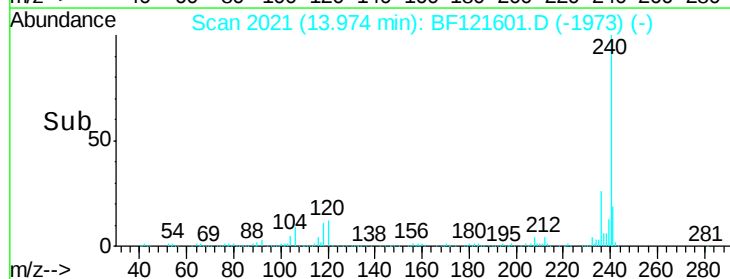
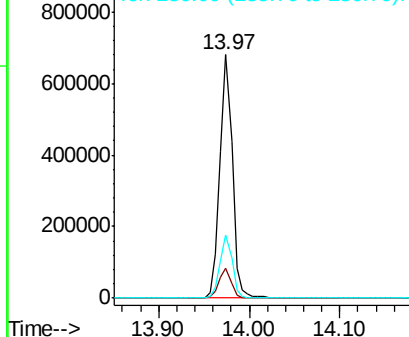


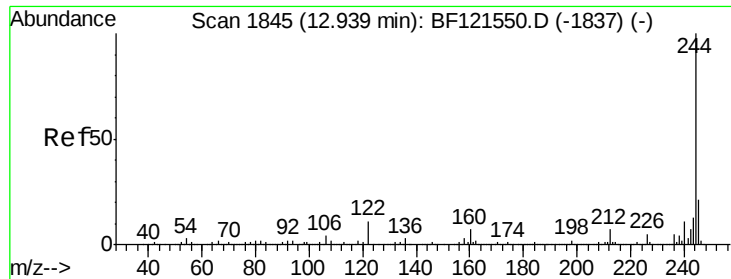
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF121601.D
 Acq: 17 Sep 2020 17:12

Tgt Ion:240 Resp: 641007
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.2 13.8
 236 25.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 62.304 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

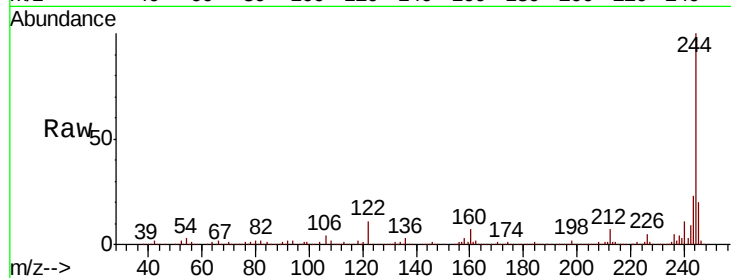
Tot Ion:244 Resp: 1971331

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

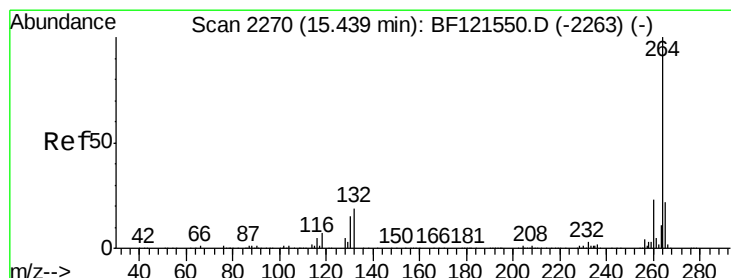
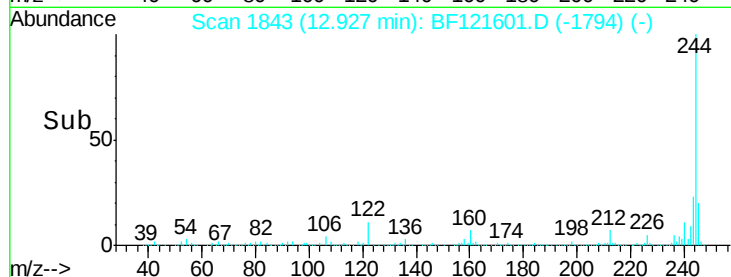
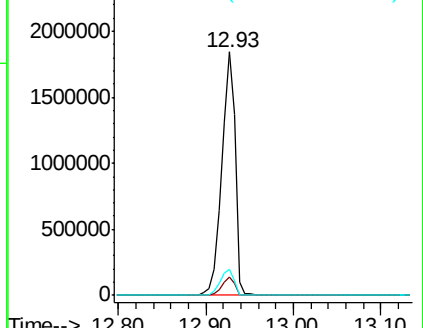
122 10.8 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

2500000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

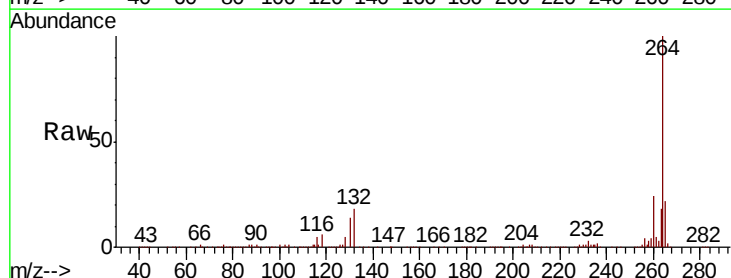
Tgt Ion:264 Resp: 589942

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.6 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

