

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080520\
 Data File : BF121192.D
 Acq On : 5 Aug 2020 14:15
 Operator : JU/CG
 Sample : L3551-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-DARK-SOIL

Quant Time: Aug 06 01:51:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

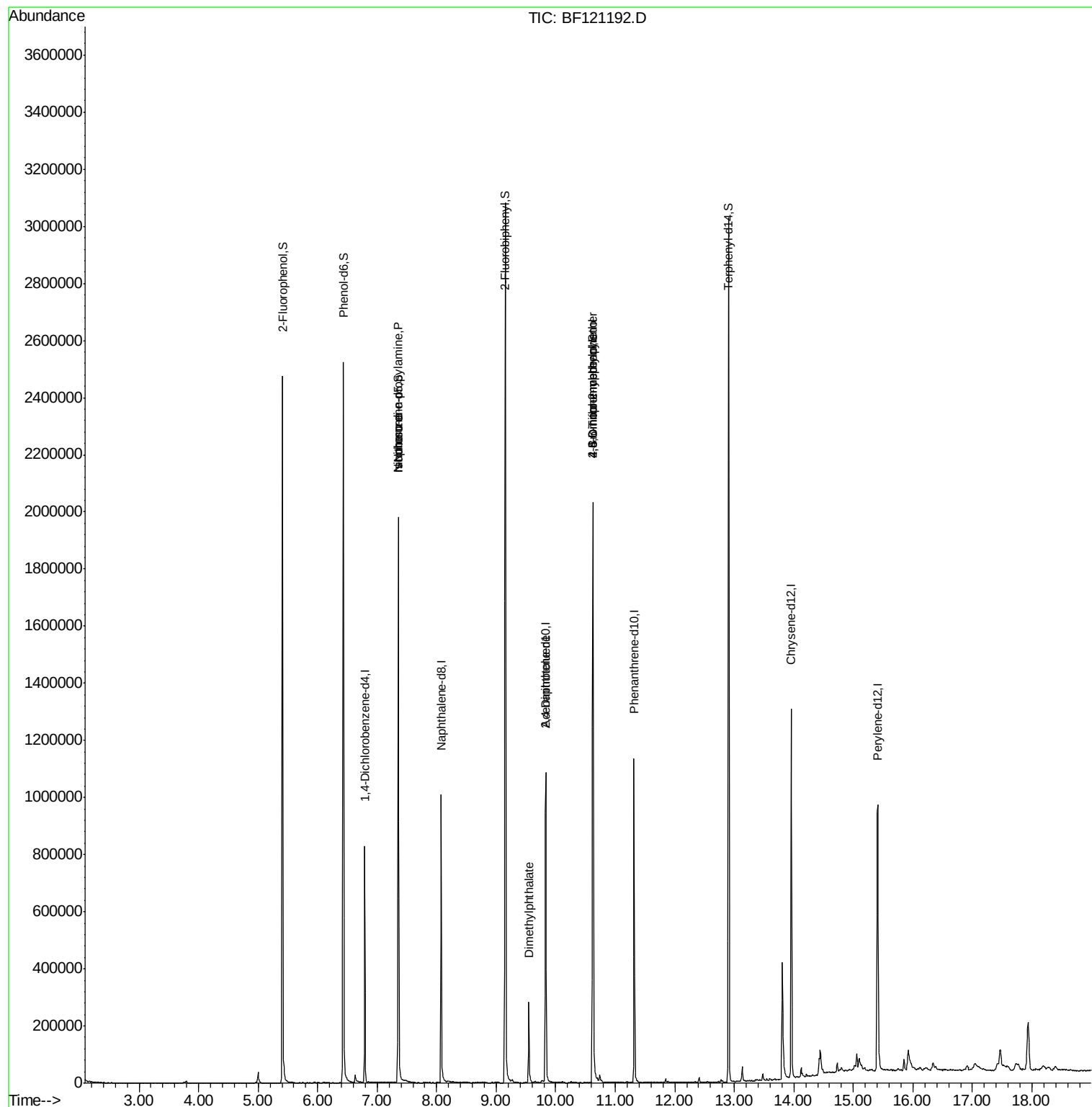
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	117623	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	458374	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	242731	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	489789	20.00	ng	0.00
76) Chrysene-d12	13.96	240	450869	20.00	ng	0.00
86) Perylene-d12	15.41	264	458856	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	827506	115.33	ng	0.00
7) Phenol-d6	6.43	99	1017031	109.73	ng	-0.01
23) Nitrobenzene-d5	7.36	82	653770	82.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	322638	121.43	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1079990	66.43	ng	-0.01
79) Terphenyl-d14	12.90	244	1089458	52.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1492	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.36	70	85772	16.275	ng	# 78
25) Isophorone	7.36	82	640686	40.524	ng	# 62
50) Dimethylphthalate	9.55	163	136542	7.797	ng	100
57) 2,4-Dinitrotoluene	9.83	165	30617	6.197	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.62	198	547	4.020	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	18456	3.380	ng	# 1

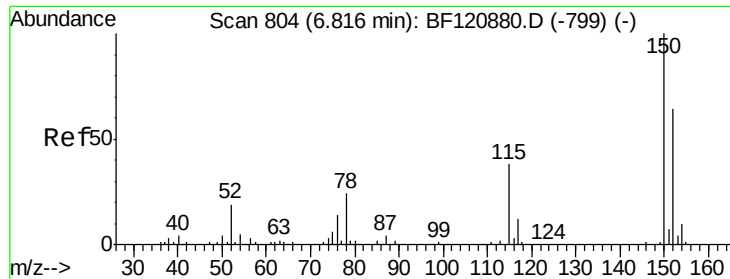
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080520\
Data File : BF121192.D
Acq On : 5 Aug 2020 14:15
Operator : JU/CG
Sample : L3551-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-DARK-SOIL

Quant Time: Aug 06 01:51:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration



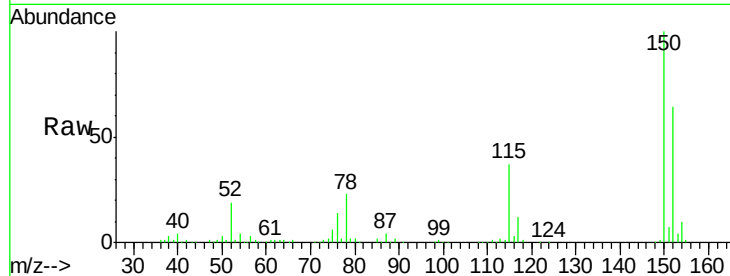


#1

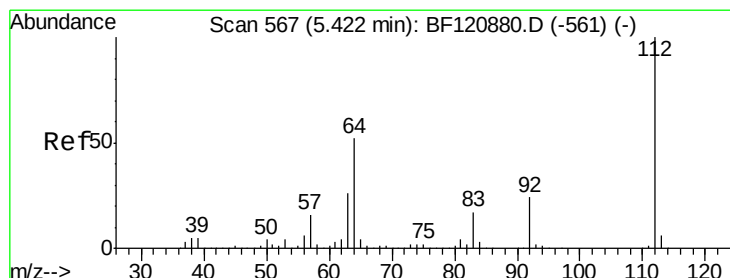
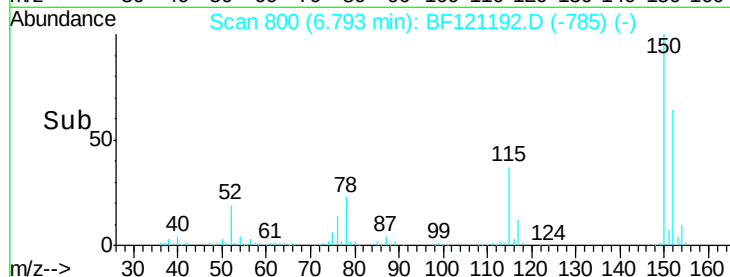
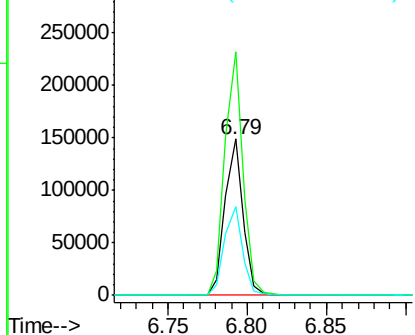
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121192.D
Acq: 5 Aug 2020 14:15

Instrument :
BNA_F
ClientSampleId :
SP-1-DARK-SOIL

Tot Ion:152 Resp: 117623
Ion Ratio Lower Upper
152 100
150 155.8 125.6 188.4
115 56.9 46.2 69.2



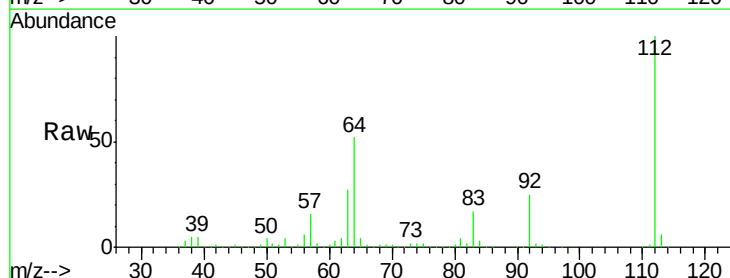
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



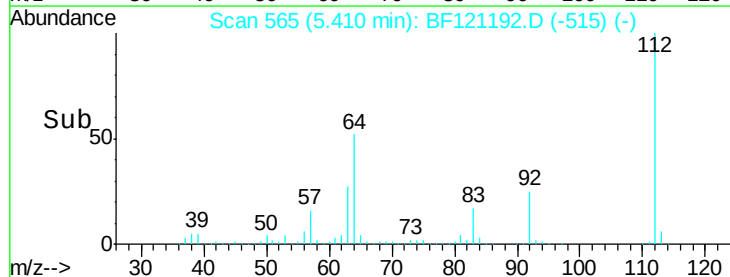
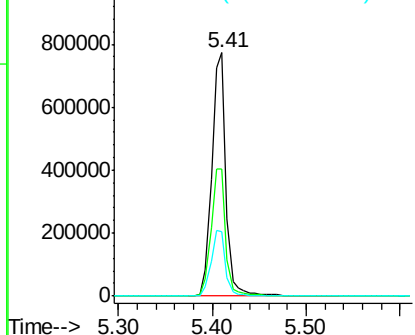
#5

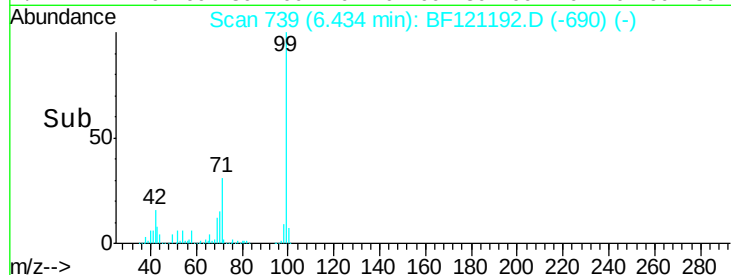
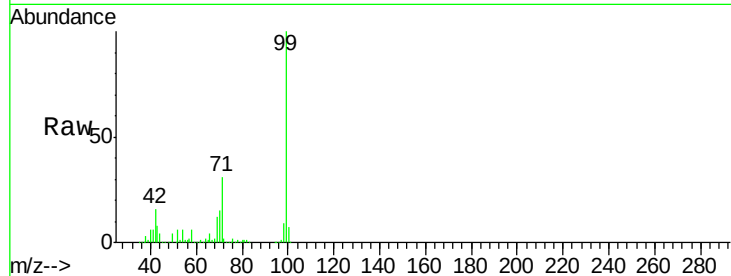
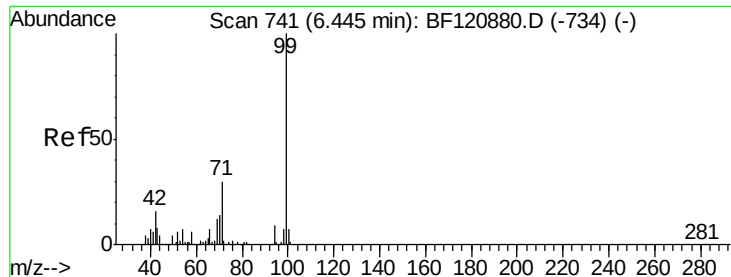
2-Fluorophenol
Concen: 115.333 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121192.D
Acq: 5 Aug 2020 14:15

Tgt Ion:112 Resp: 827506
Ion Ratio Lower Upper
112 100
64 52.4 43.9 65.9
63 26.7 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.733 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Instrument :

BNA_F

ClientSampleId :

SP-1-DARK-SOIL

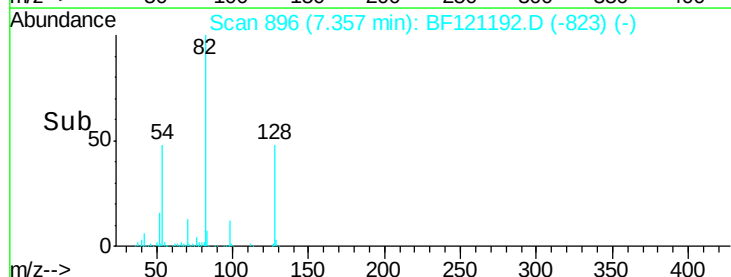
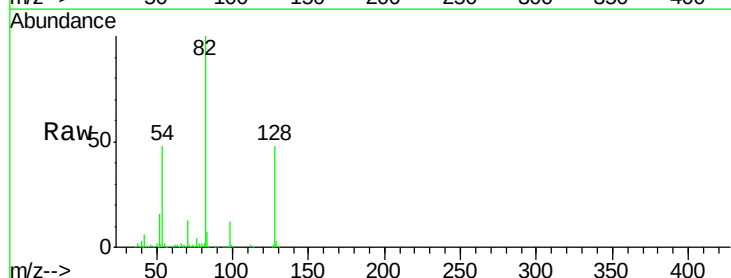
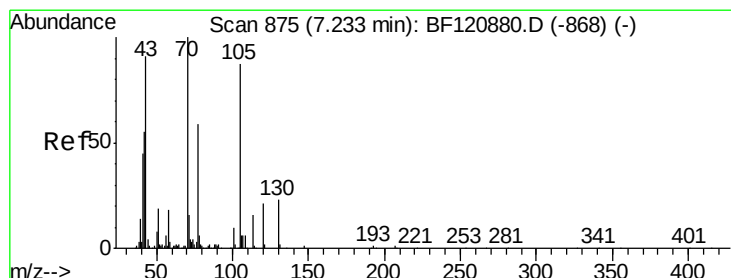
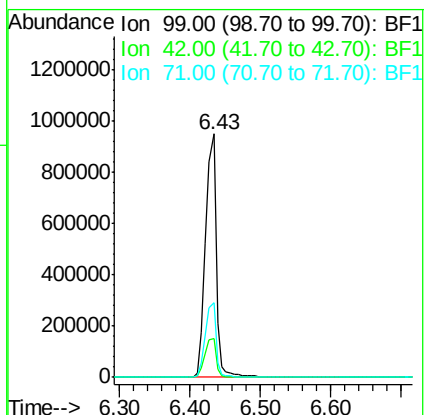
Tot Ion: 99 Resp: 1017031

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

71 30.8 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.275 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Tgt Ion: 70 Resp: 85772

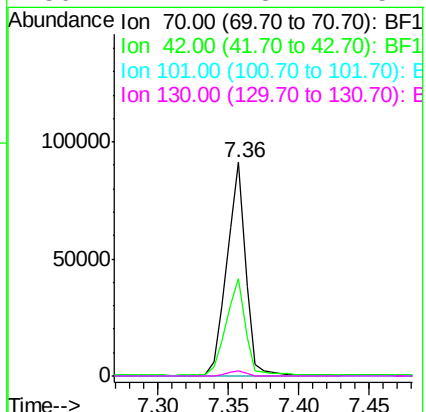
Ion Ratio Lower Upper

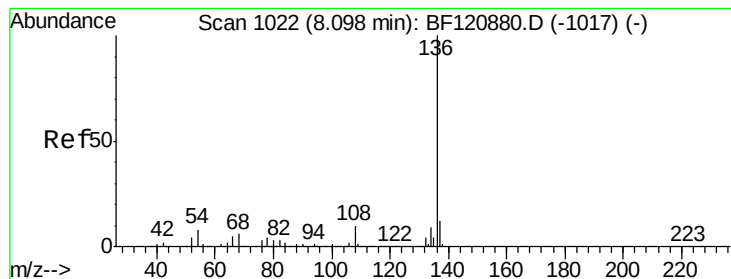
70 100

42 45.4 43.3 64.9

101 0.0 8.4 12.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Instrument :

BNA_F

ClientSampleId :

SP-1-DARK-SOIL

Tot Ion:136 Resp: 458374

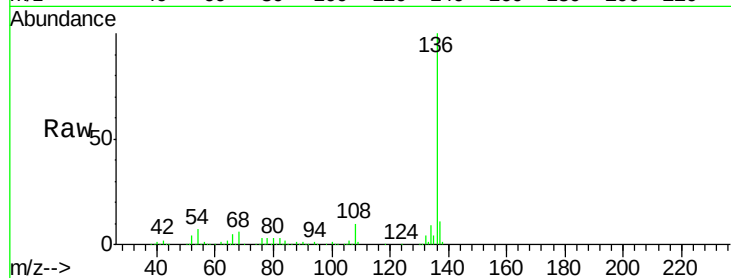
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.3 6.1 9.1

68 6.0 5.0 7.6

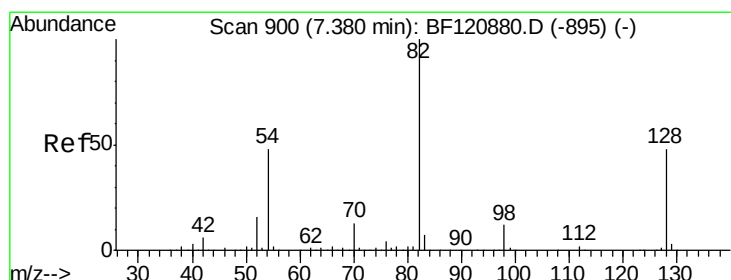
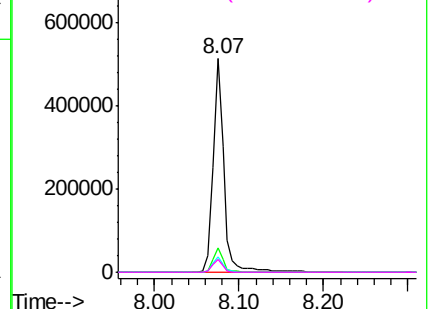
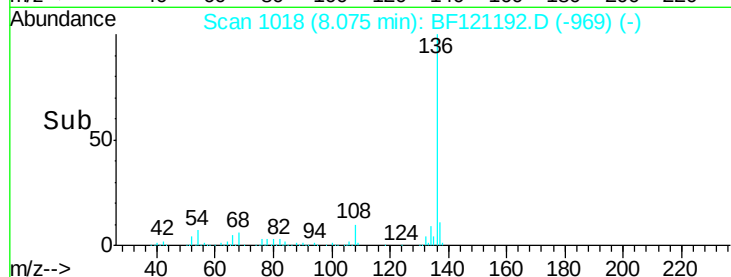


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.529 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

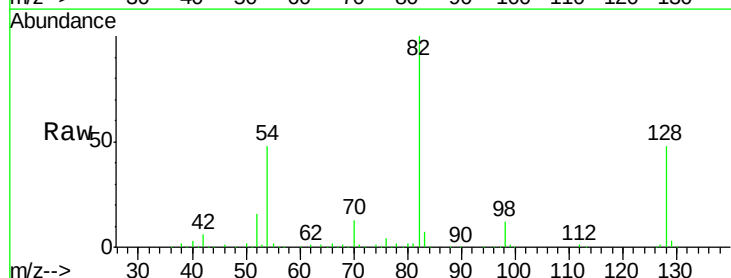
Tgt Ion: 82 Resp: 653770

Ion Ratio Lower Upper

82 100

128 47.9 39.2 58.8

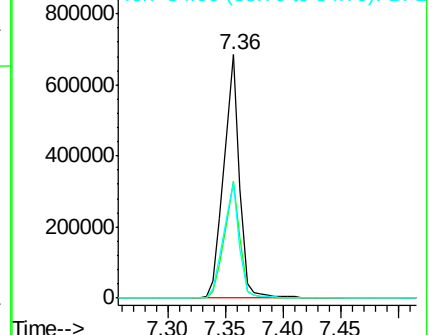
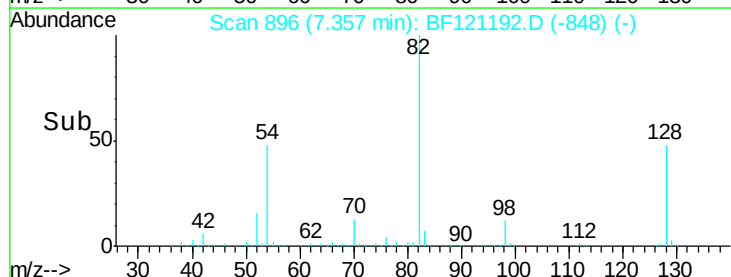
54 47.5 37.8 56.8

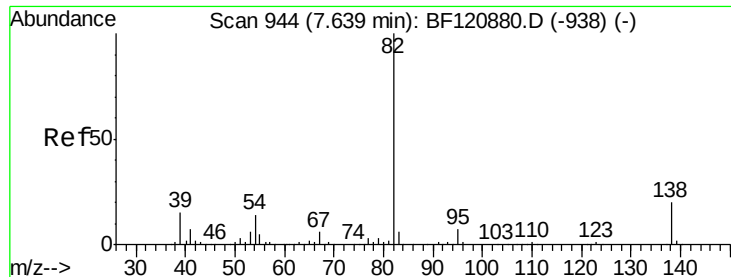


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.524 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Instrument :

BNA_F

ClientSampleId :

SP-1-DARK-SOIL

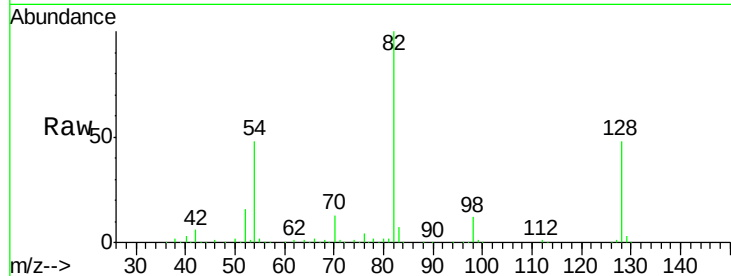
Tot Ion: 82 Resp: 640686

Ion Ratio Lower Upper

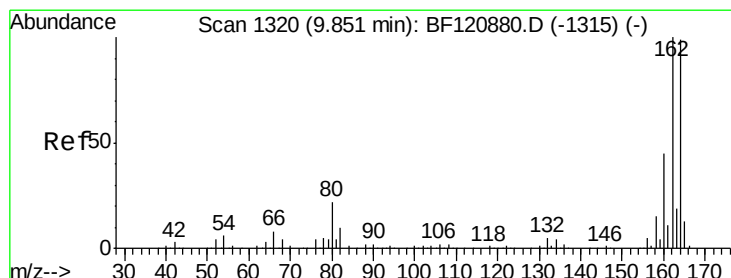
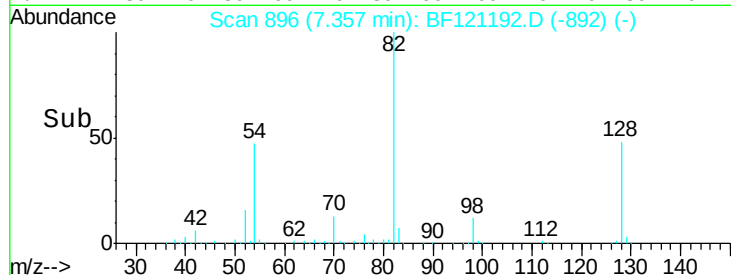
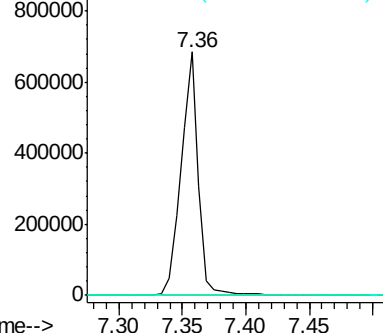
82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

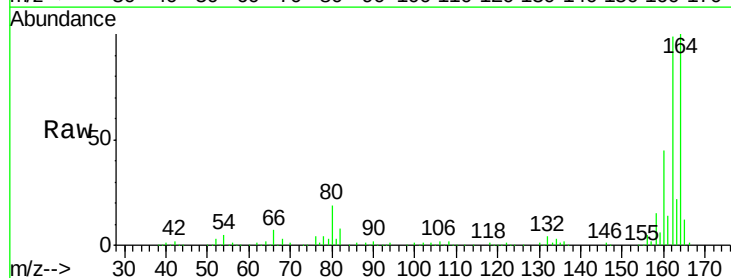
Tgt Ion: 164 Resp: 242731

Ion Ratio Lower Upper

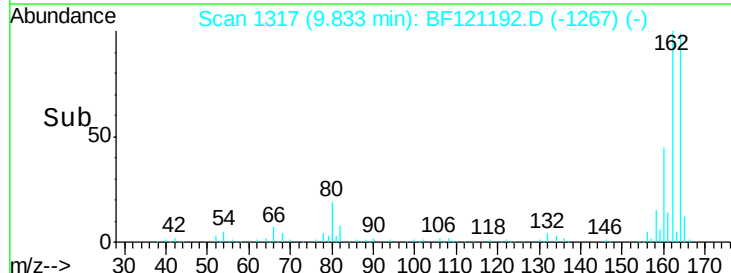
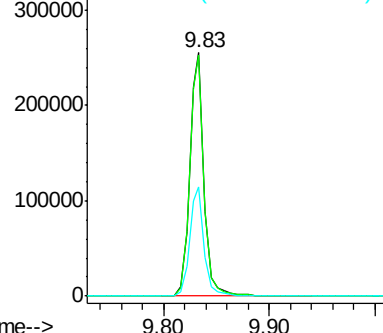
164 100

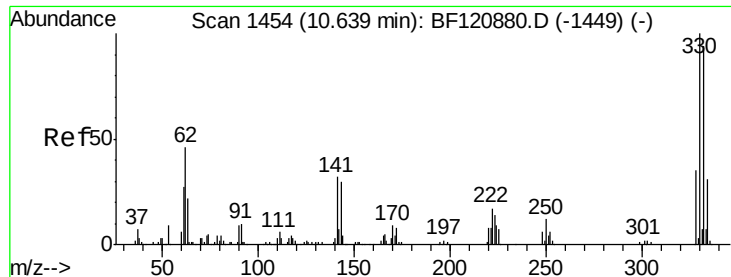
162 99.2 82.2 123.2

160 44.6 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 121.433 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Instrument :

BNA_F

ClientSampleId :

SP-1-DARK-SOIL

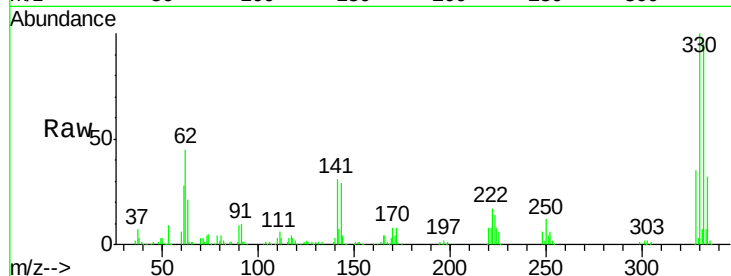
Tot Ion:330 Resp: 322638

Ion Ratio Lower Upper

330 100

332 95.1 76.1 114.1

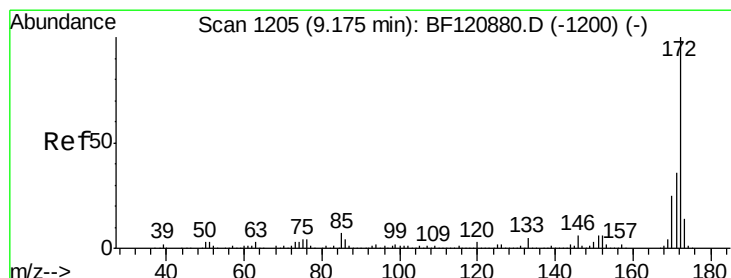
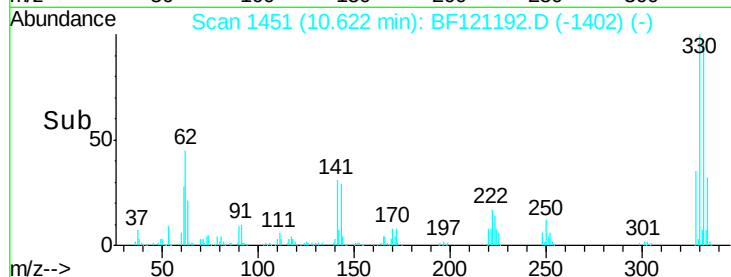
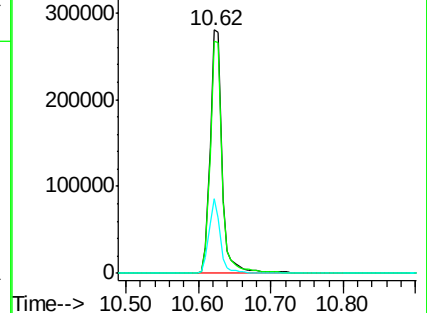
141 29.6 24.1 36.1



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: 66.430 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

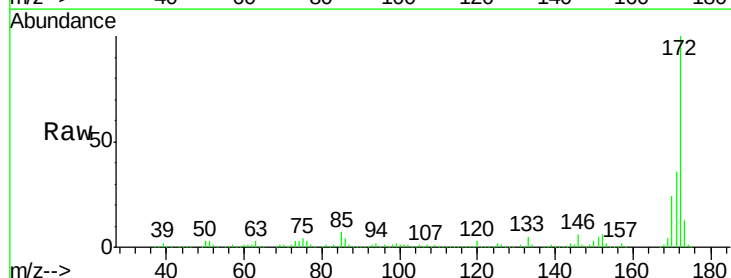
Tgt Ion:172 Resp: 1079990

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

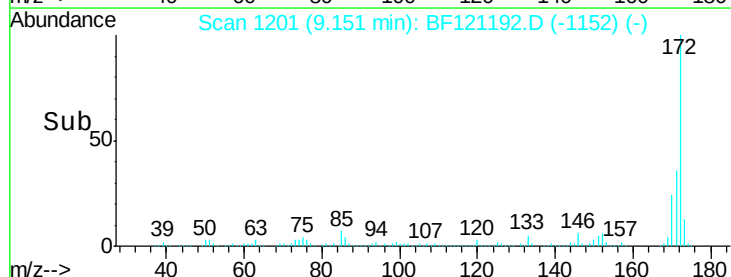
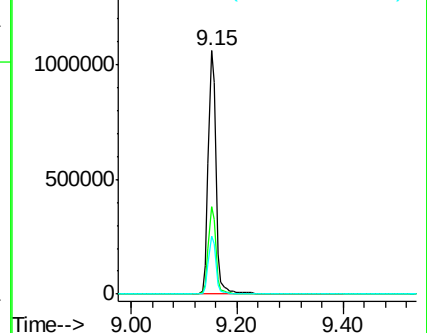
170 24.0 19.6 29.4

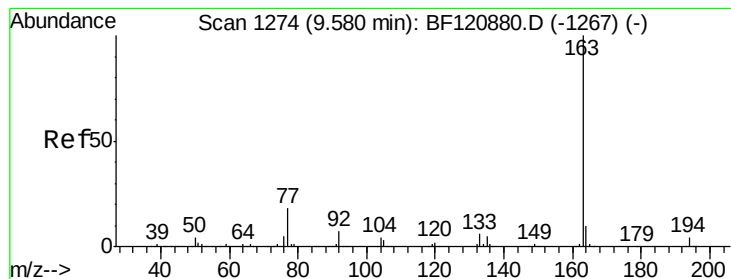


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.797 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Instrument :

BNA_F

ClientSampleId :

SP-1-DARK-SOIL

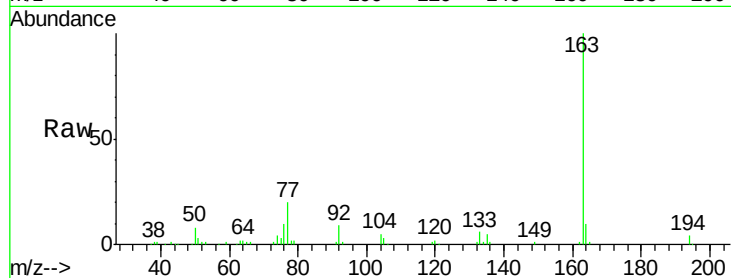
Tot Ion:163 Resp: 136542

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

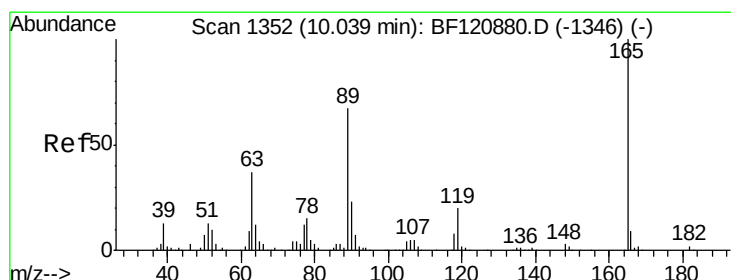
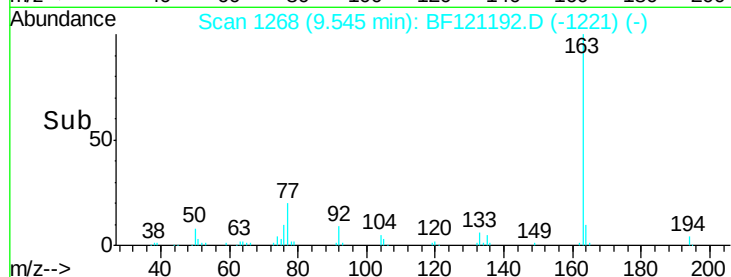
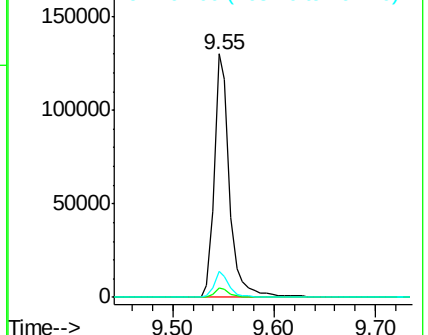
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.197 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.20 min

Lab File: BF121192.D

Acq: 5 Aug 2020 14:15

Tgt Ion:165 Resp: 30617

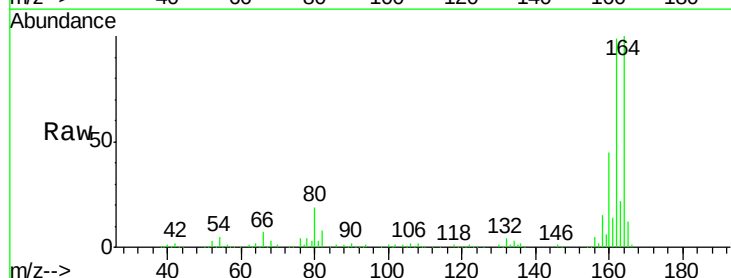
Ion Ratio Lower Upper

165 100

63 1.5 29.8 44.8#

89 1.4 50.3 75.5#

182 0.0 2.1 3.1#

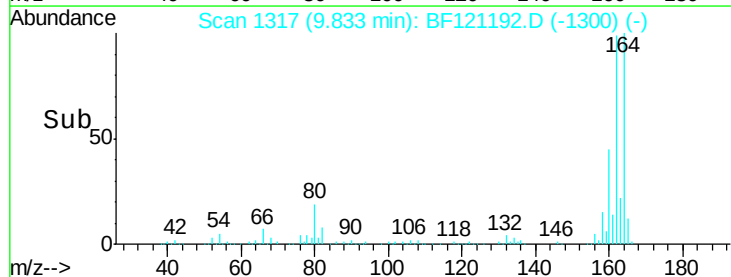
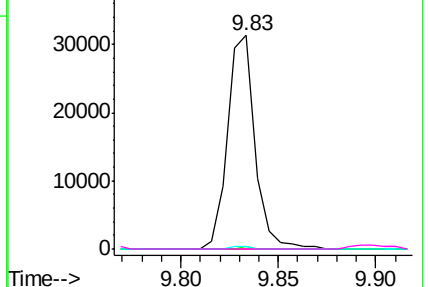


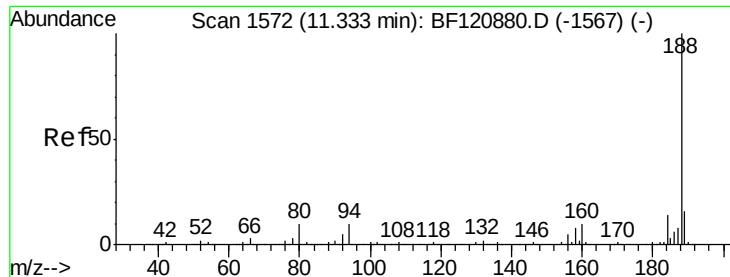
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

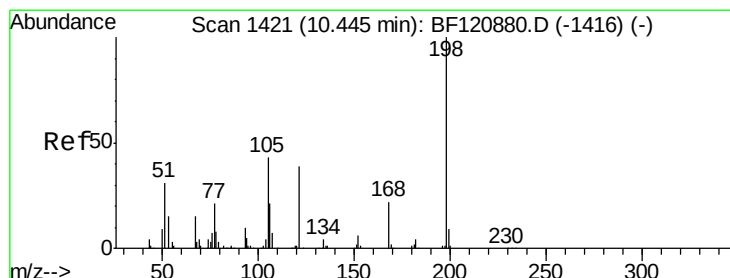
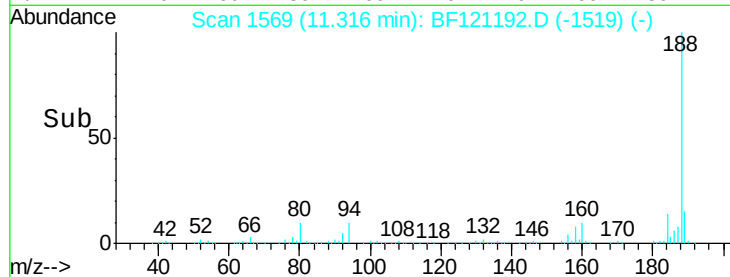
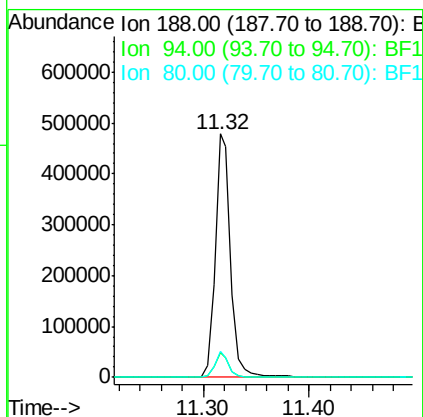
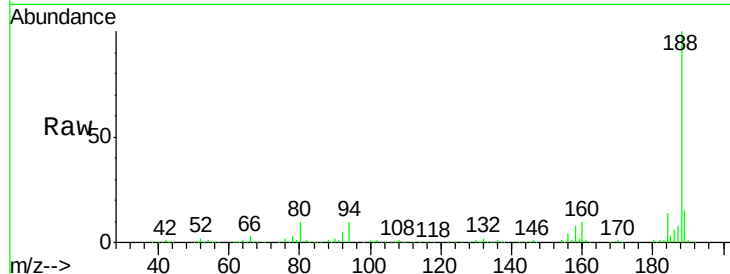




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF121192.D
 Acq: 5 Aug 2020 14:15

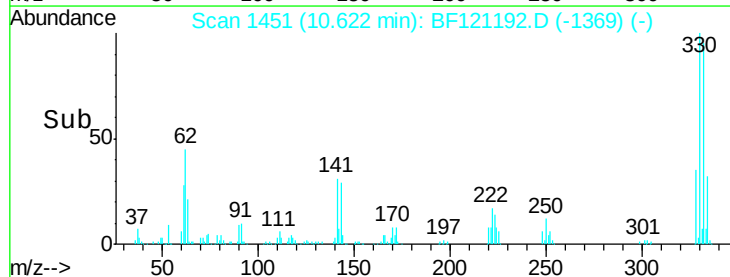
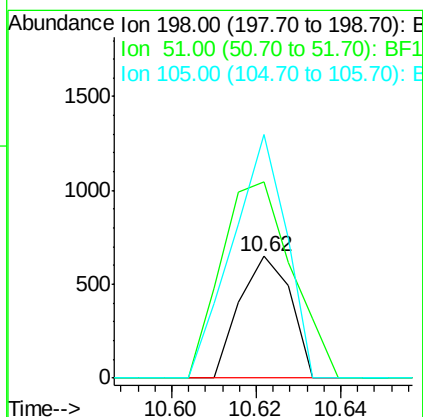
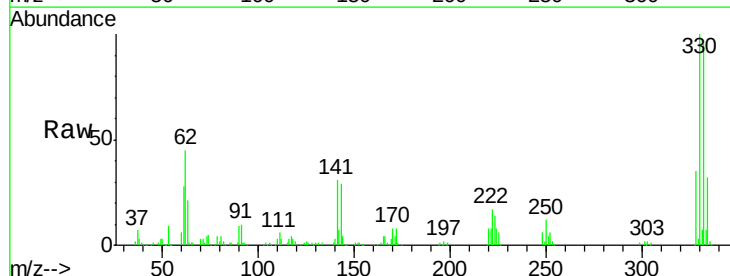
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-DARK-SOIL

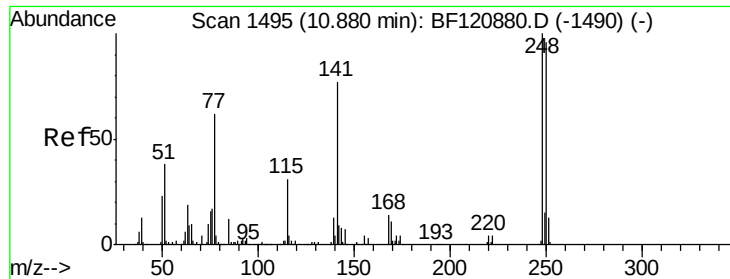
Tot Ion:188 Resp: 489789
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.0 12.0
 80 10.4 8.3 12.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.020 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.18 min
 Lab File: BF121192.D
 Acq: 5 Aug 2020 14:15

Tgt Ion:198 Resp: 547
 Ion Ratio Lower Upper
 198 100
 51 161.2 23.4 63.4#
 105 200.6 23.7 63.7#

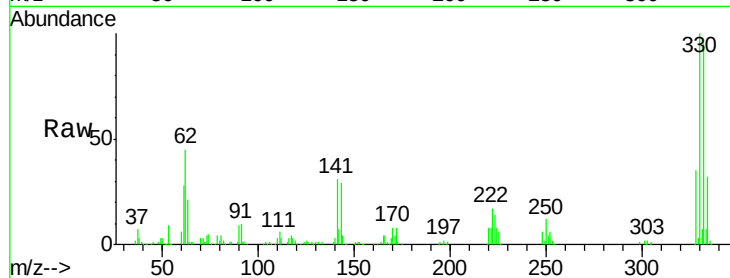




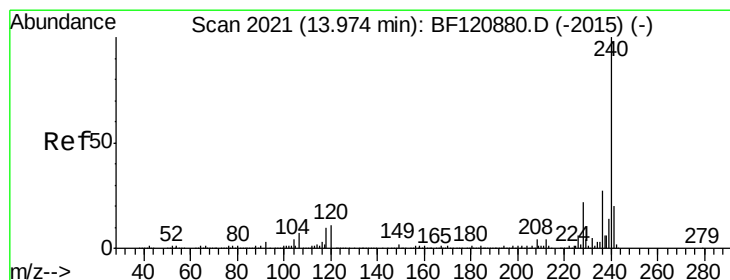
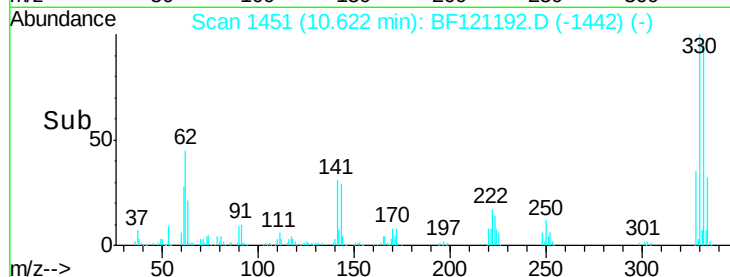
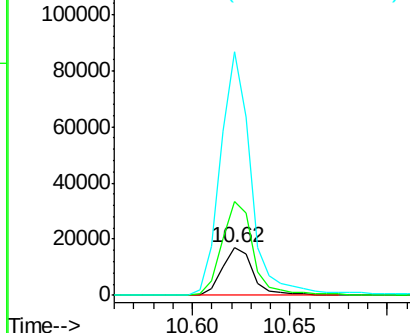
#67
4-Bromophenyl-phenylether
Concen: 3.380 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF121192.D
Acq: 5 Aug 2020 14:15

Instrument :
BNA_F
ClientSampleId :
SP-1-DARK-SOIL

Tot Ion:248 Resp: 18456
Ion Ratio Lower Upper
248 100
250 197.9 77.0 115.6#
141 510.6 56.6 85.0#

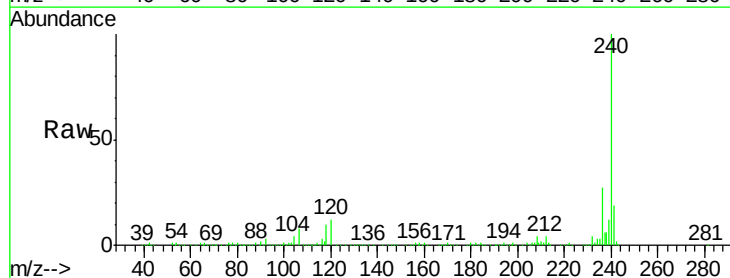


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

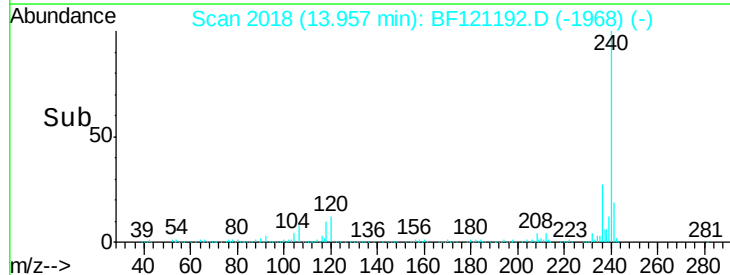
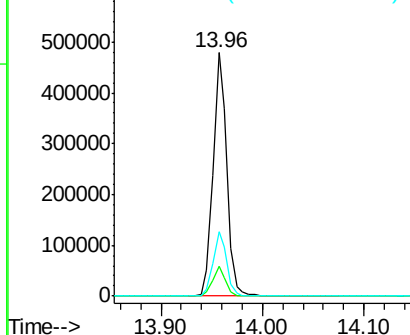


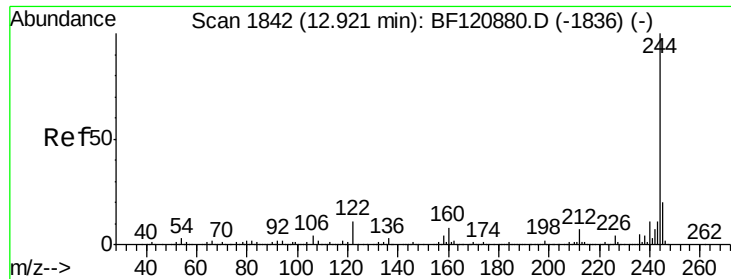
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF121192.D
Acq: 5 Aug 2020 14:15

Tgt Ion:240 Resp: 450869
Ion Ratio Lower Upper
240 100
120 12.1 9.3 13.9
236 26.5 21.1 31.7



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

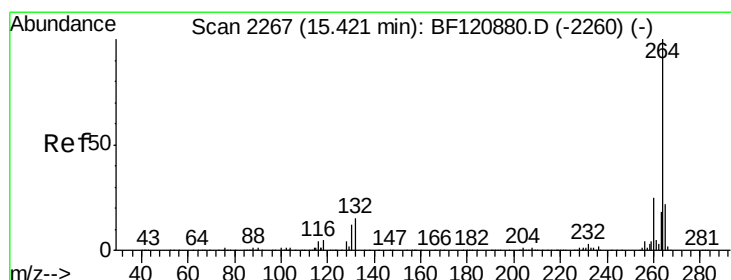
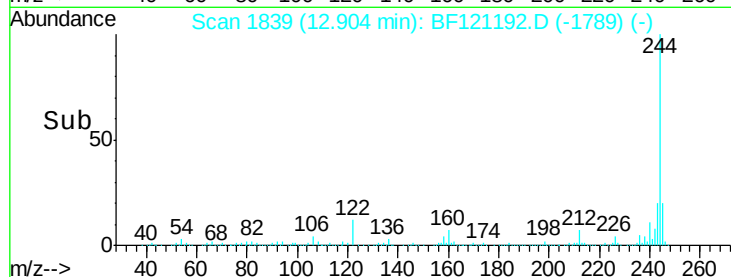
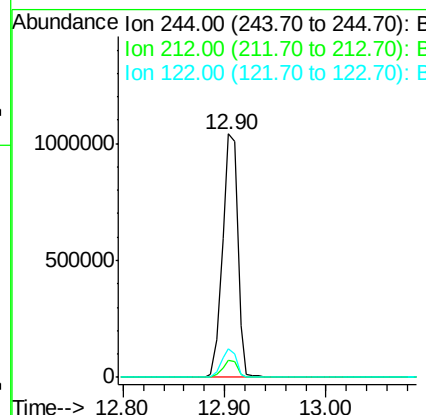
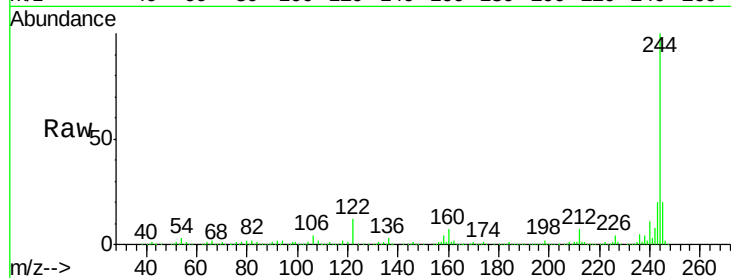




#79
 Terphenyl-d14
 Concen: 52.526 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121192.D
 Acq: 5 Aug 2020 14:15

Instrument :
 BNA_F
 ClientSampleID :
 SP-1-DARK-SOIL

Tot Ion:244 Resp: 1089458
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 11.6 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: BF121192.D
 Acq: 5 Aug 2020 14:15

Tgt Ion:264 Resp: 458856
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.9 29.9
 265 21.9 17.8 26.8

