

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114309.D
 Acq On : 16 May 2019 15:21
 Operator : JU/SJ
 Sample : K2837-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: May 17 08:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

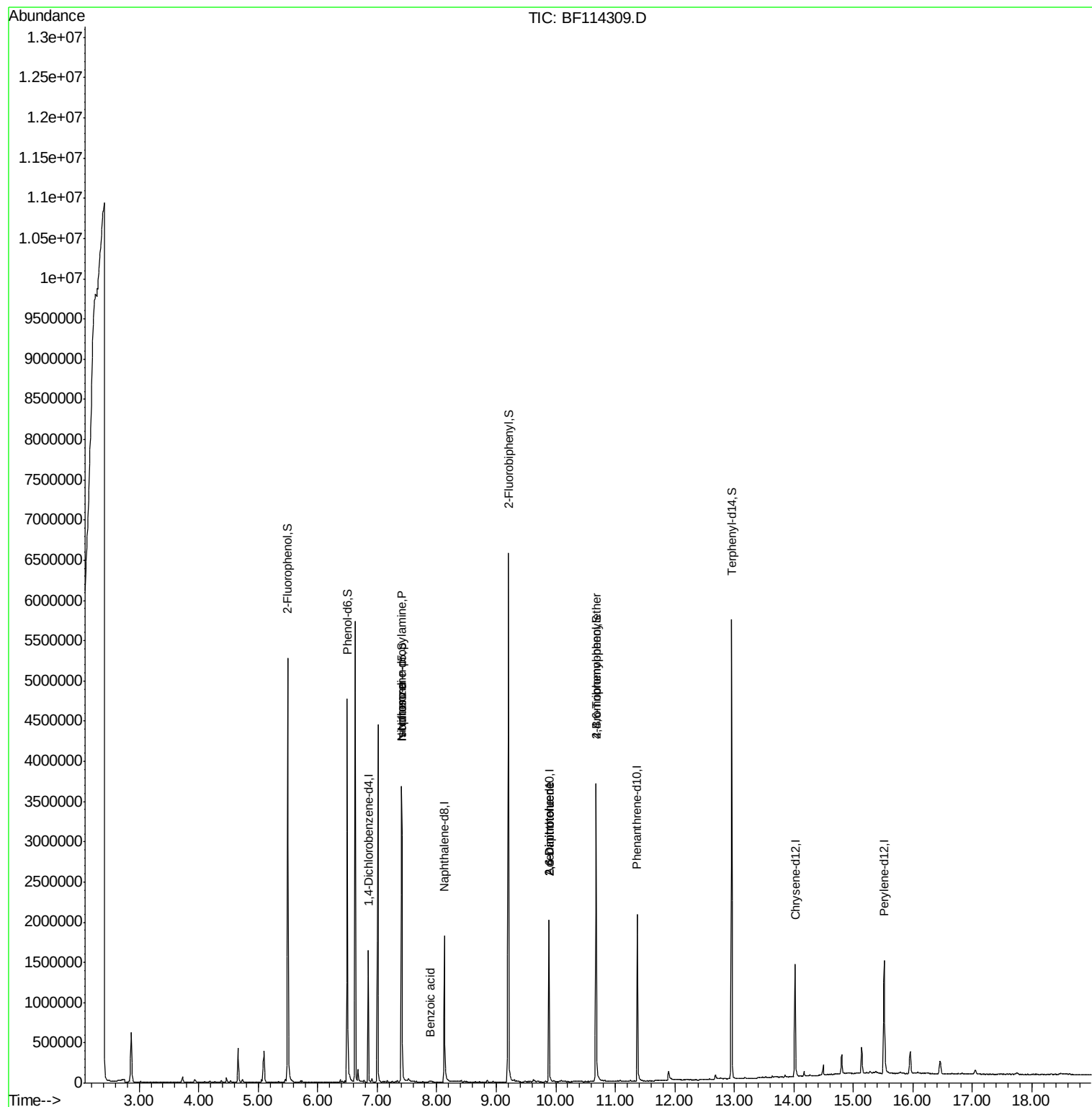
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	233425	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	916418	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	438480	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	856877	20.00	ng	0.00
76) Chrysene-d12	14.02	240	541944	20.00	ng	0.00
87) Perylene-d12	15.52	264	601383	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1473751	101.60	ng	0.02
7) Phenol-d6	6.50	99	1787407	104.19	ng	0.00
23) Nitrobenzene-d5	7.41	82	1309413	80.19	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	521371	115.01	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2143961	73.96	ng	0.00
79) Terphenyl-d14	12.96	244	2101942	79.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	172795	15.891	ng	# 75
25) Isophorone	7.41	82	1309397	43.236	ng	# 64
32) Benzoic acid	7.89	122	3924	7.391	ng	# 98
51) 2,6-Dinitrotoluene	9.89	165	54647	7.654	ng	# 22
57) 2,4-Dinitrotoluene	9.89	165	54647	5.639	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	32766	3.473	ng	# 1

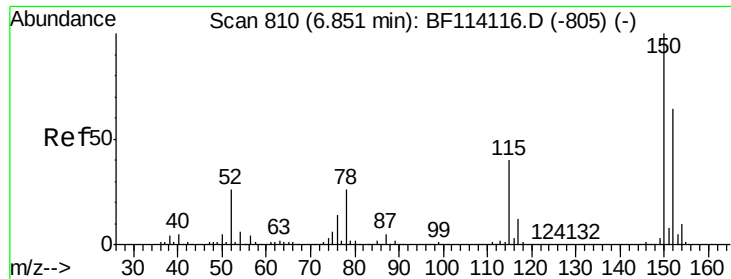
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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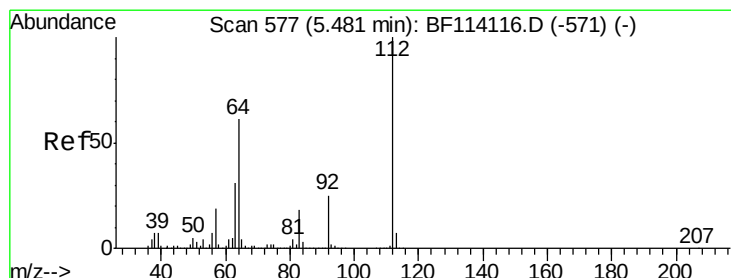
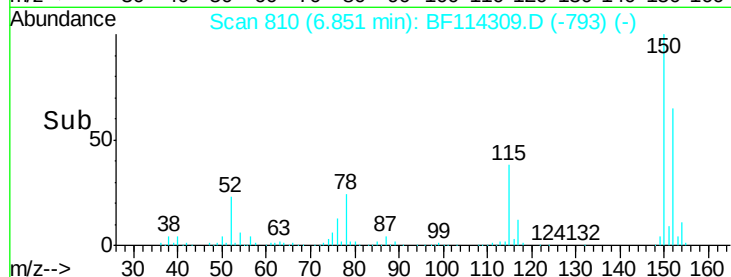
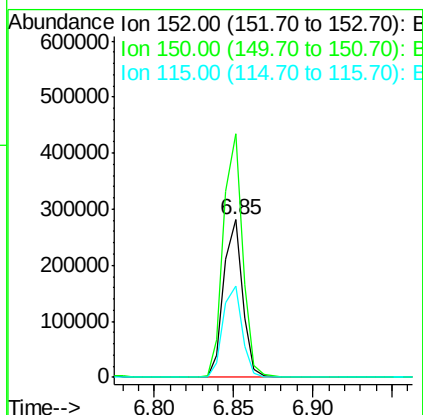
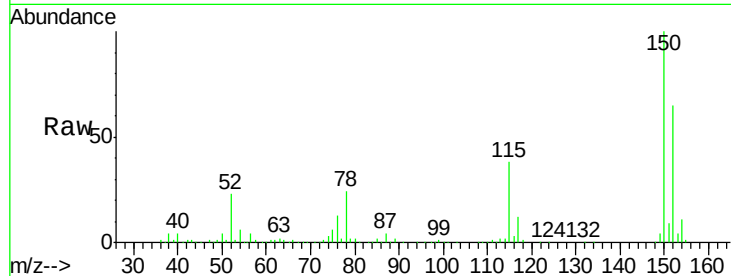


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114309.D
Acq: 16 May 2019 15:21

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

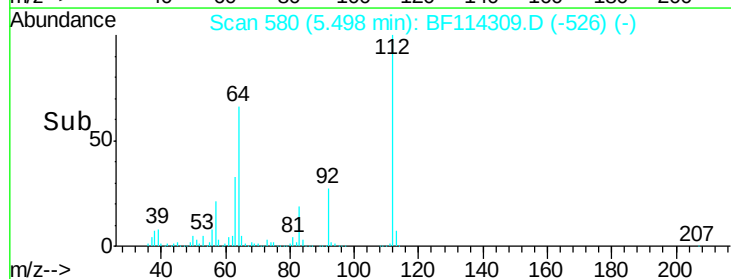
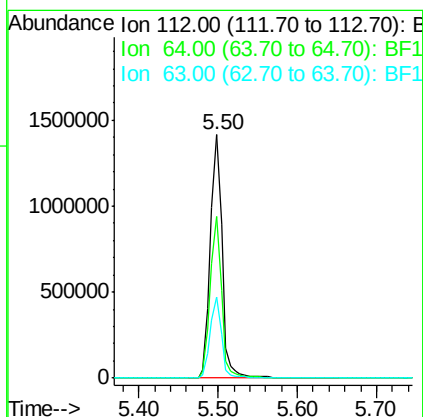
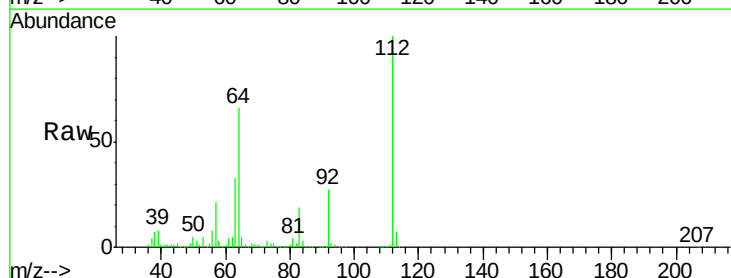
Tot Ion:152 Resp: 233425
Ion Ratio Lower Upper
152 100
150 154.6 124.3 186.5
115 58.1 49.1 73.7

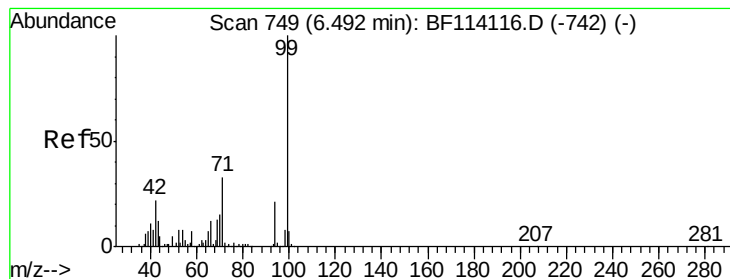


#5

2-Fluorophenol
Concen: 101.602 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114309.D
Acq: 16 May 2019 15:21

Tgt Ion:112 Resp: 1473751
Ion Ratio Lower Upper
112 100
64 66.4 49.0 73.6
63 33.2 24.6 37.0





#7

Phenol-d6

Concen: 104.188 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

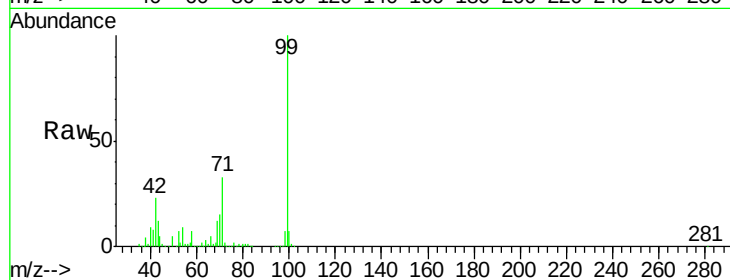
Tot Ion: 99 Resp: 1787407

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

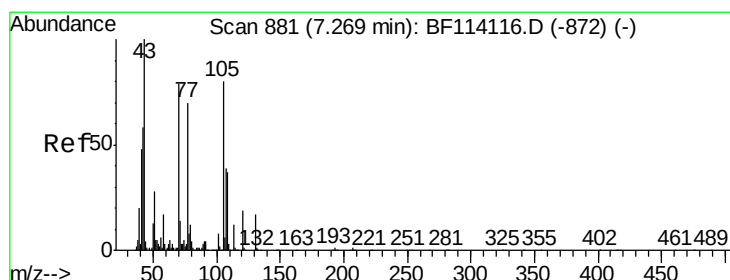
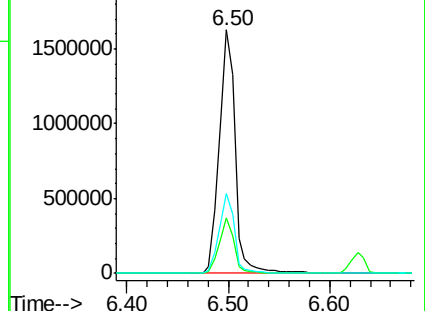
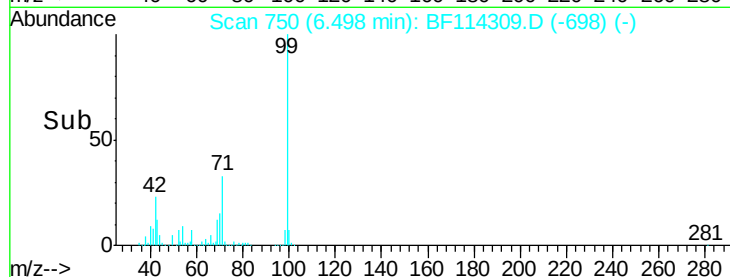
71 32.6 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.891 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Tgt Ion: 70 Resp: 172795

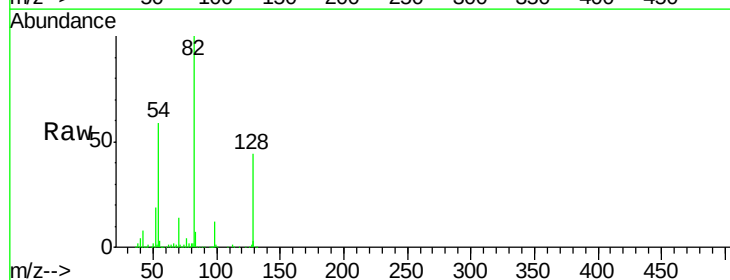
Ion Ratio Lower Upper

70 100

42 56.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

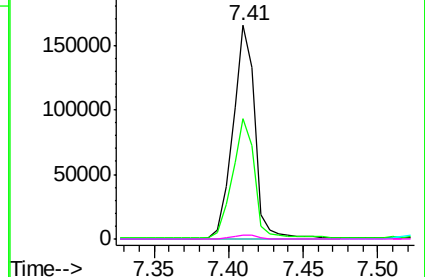
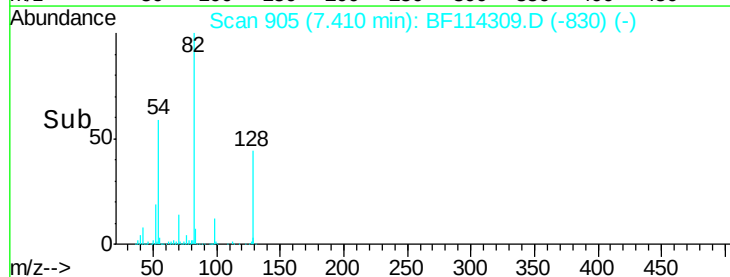


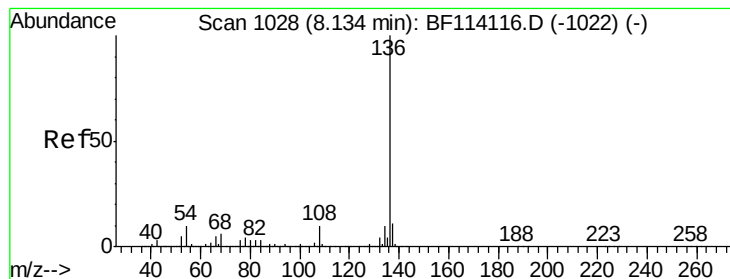
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

Tot Ion:136 Resp: 916418

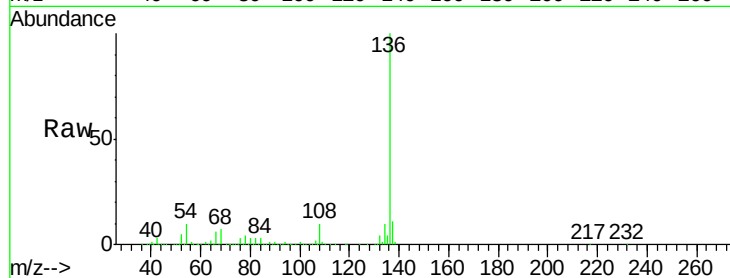
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.7 7.8 11.8

68 6.9 5.1 7.7

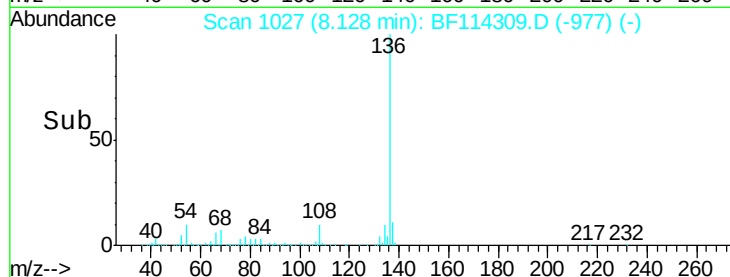


Abundance Ion 136.00 (135.70 to 136.70): E

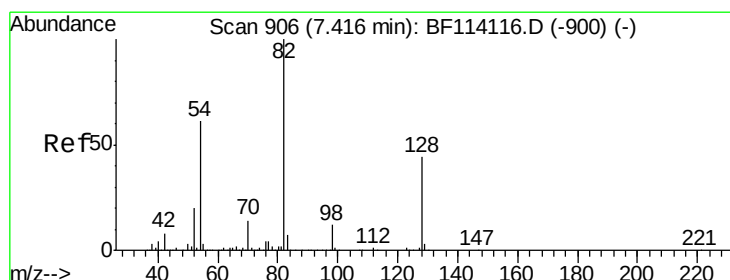
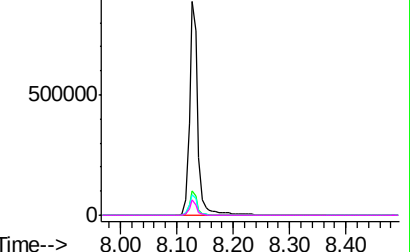
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 80.186 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

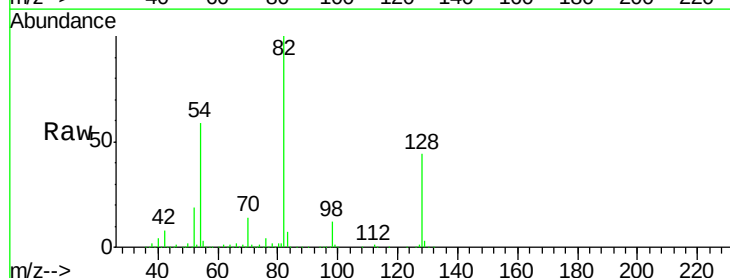
Tgt Ion: 82 Resp: 1309413

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

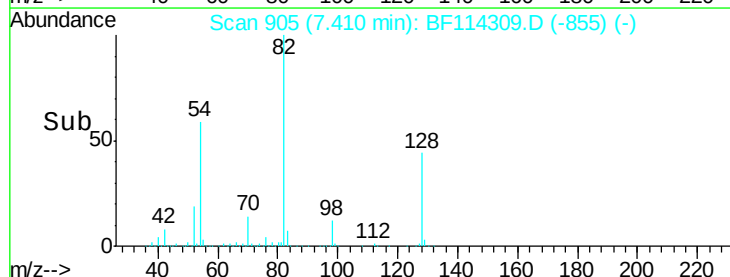
54 59.4 48.5 72.7



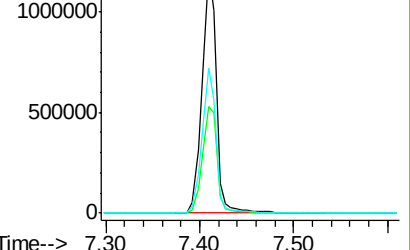
Abundance Ion 82.00 (81.70 to 82.70): BF1

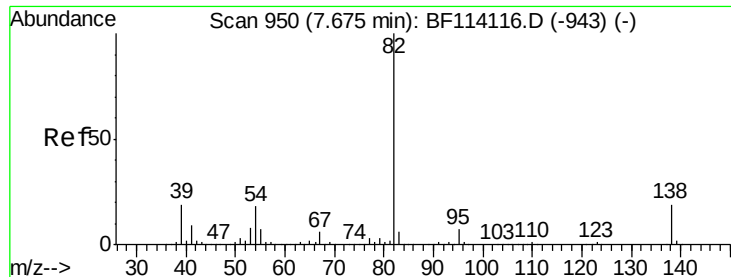
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 43.236 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Instrument :

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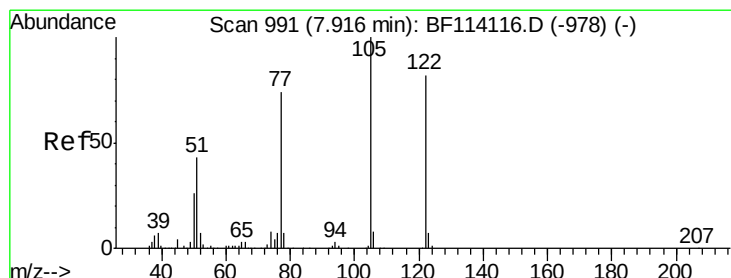
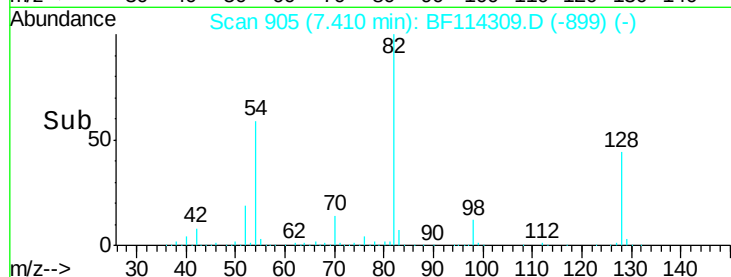
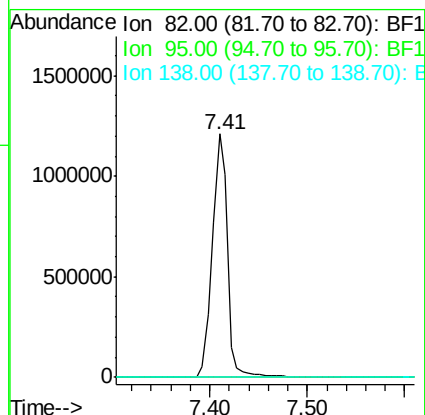
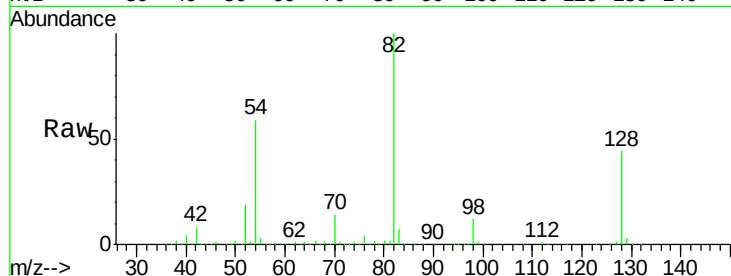
Tot Ion: 82 Resp: 1309397

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.391 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

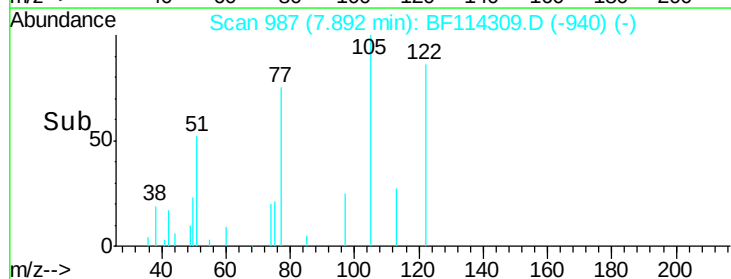
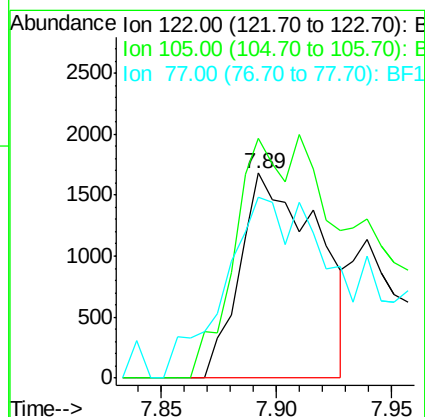
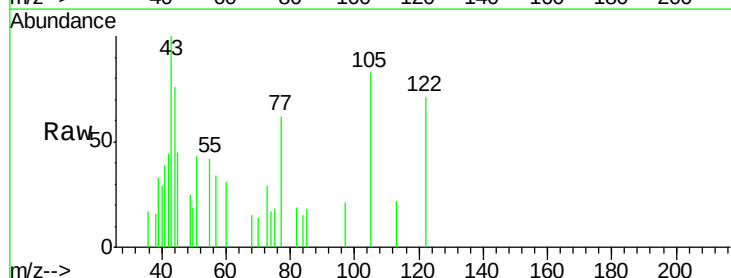
Tgt Ion: 122 Resp: 3924

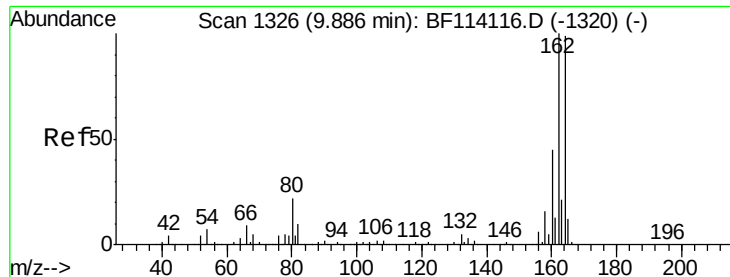
Ion Ratio Lower Upper

122 100

105 116.9 99.9 139.9

77 88.2 69.4 109.4

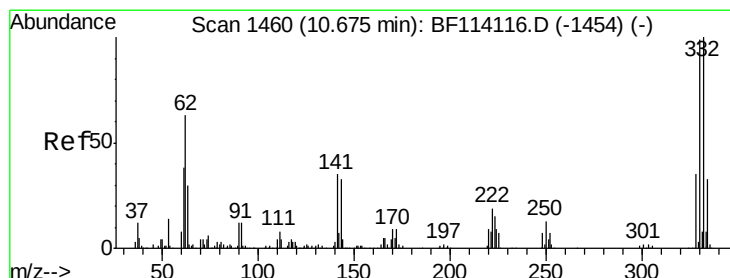
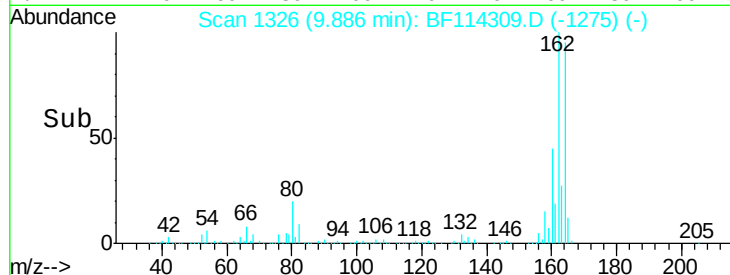
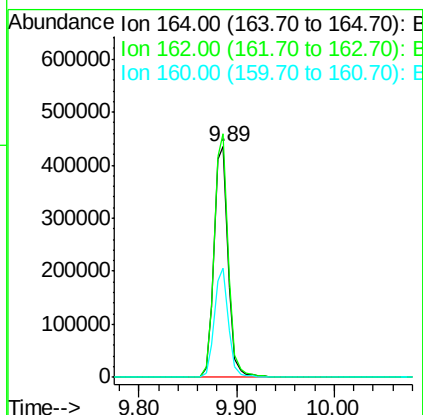
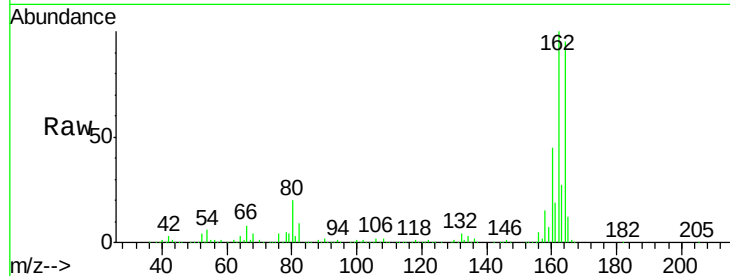




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114309.D
Acq: 16 May 2019 15:21

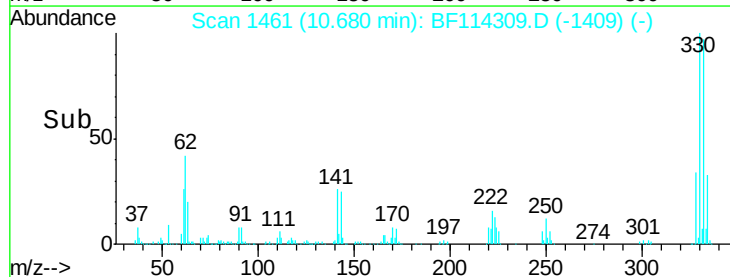
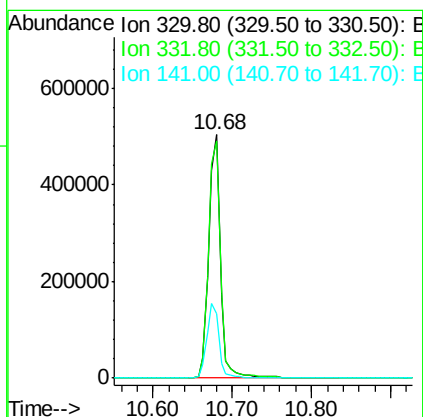
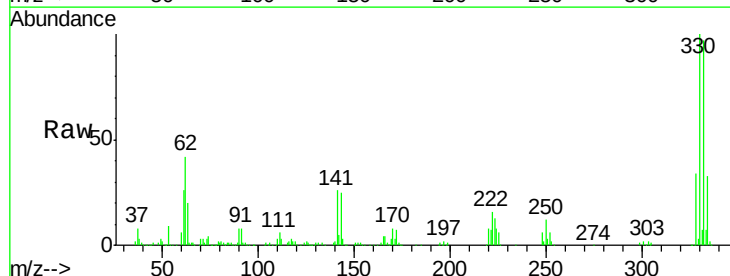
Instrument :
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SOIL-COMP

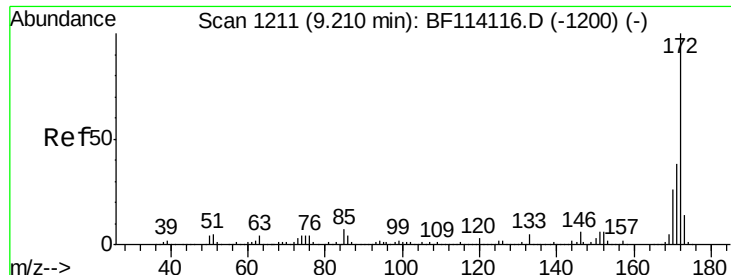
Tot Ion:164 Resp: 438480
Ion Ratio Lower Upper
164 100
162 105.6 80.6 120.8
160 47.3 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 115.013 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114309.D
Acq: 16 May 2019 15:21

Tgt Ion:330 Resp: 521371
Ion Ratio Lower Upper
330 100
332 100.9 81.4 122.2
141 32.4 26.6 40.0



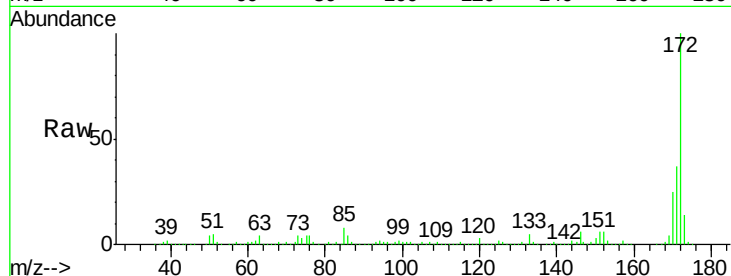


#45
 2-Fluorobiphenyl
 Concen: 73.962 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114309.D
 Acq: 16 May 2019 15:21

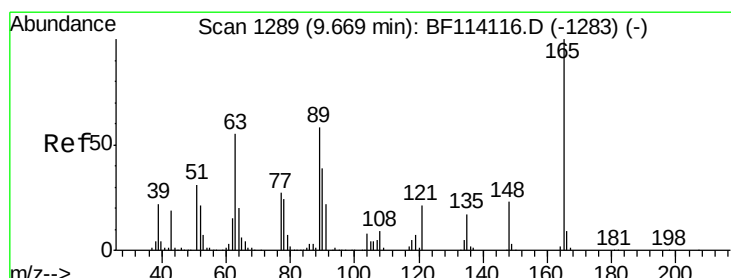
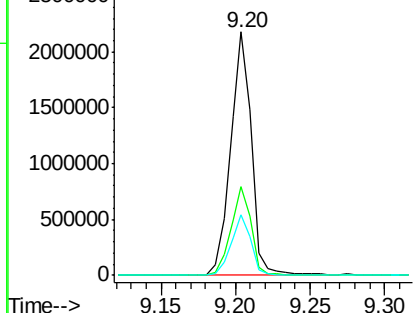
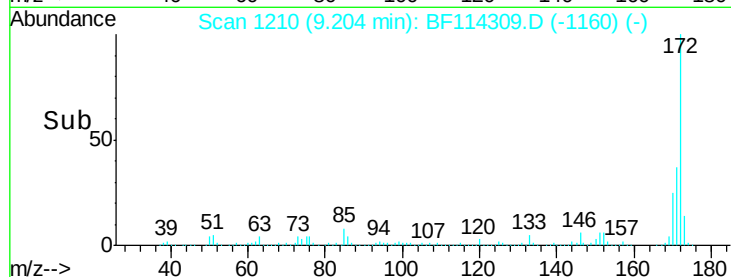
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Tot Ion:172 Resp: 2143961

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.7	46.1
170	24.7	20.5	30.7



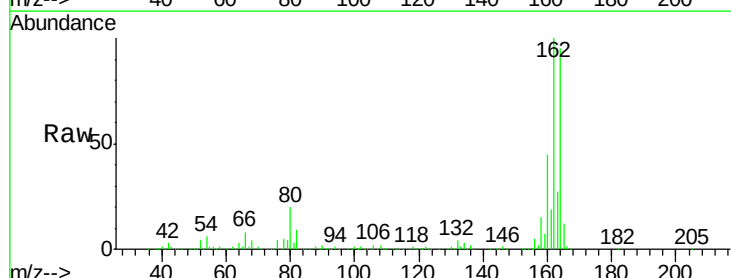
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



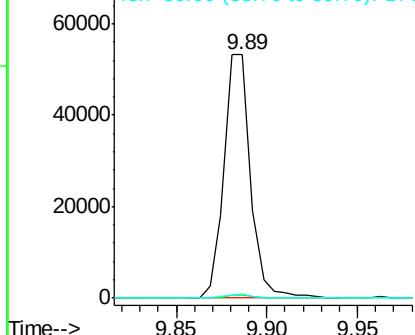
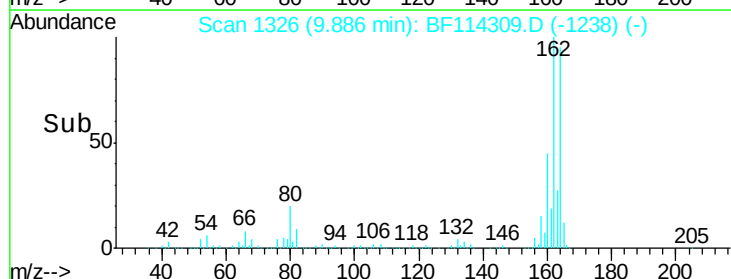
#51
 2,6-Dinitrotoluene
 Concen: 7.654 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.22 min
 Lab File: BF114309.D
 Acq: 16 May 2019 15:21

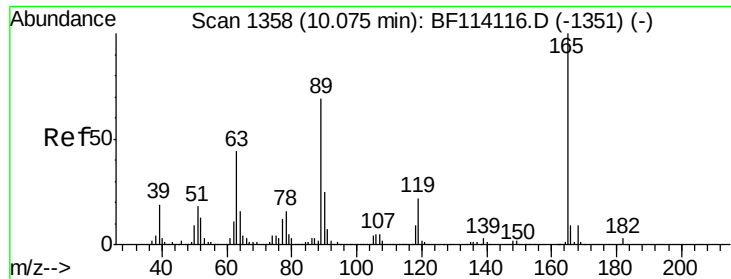
Tgt Ion:165 Resp: 54647

Ion	Ratio	Lower	Upper
165	100		
63	1.1	50.2	75.4#
89	1.8	46.6	69.8#



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





#57

2,4-Dinitrotoluene

Concen: 5.639 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

Tot Ion:165 Resp: 54647

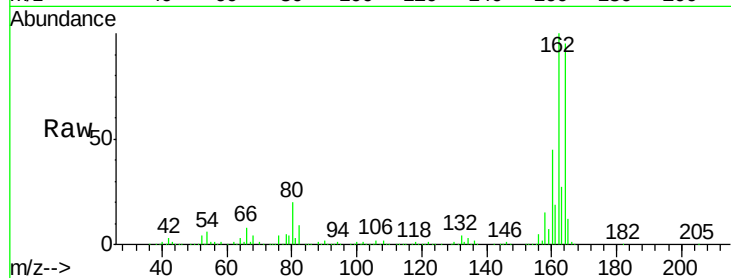
Ion Ratio Lower Upper

165 100

63 1.1 35.5 53.3#

89 1.8 55.2 82.8#

182 0.6 2.2 3.2#

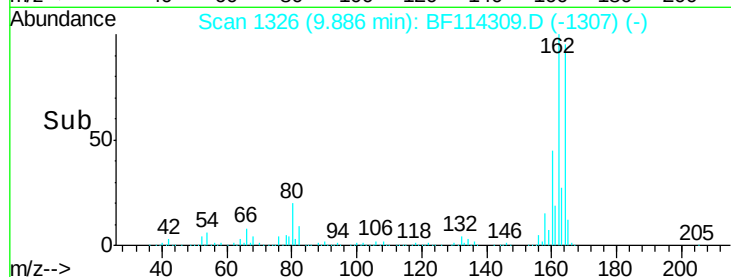


Abundance Ion 165.00 (164.70 to 165.70): E

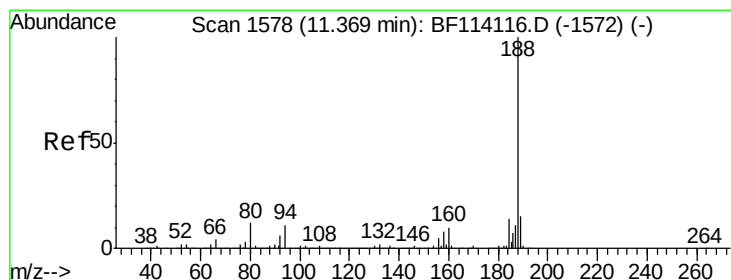
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

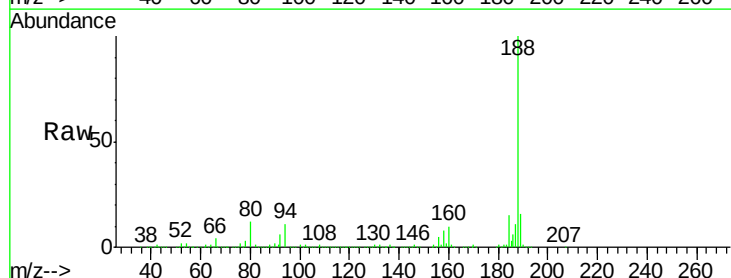
Tgt Ion:188 Resp: 856877

Ion Ratio Lower Upper

188 100

94 10.9 8.4 12.6

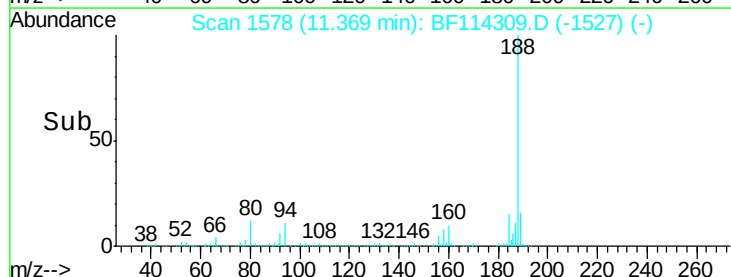
80 12.0 9.2 13.8



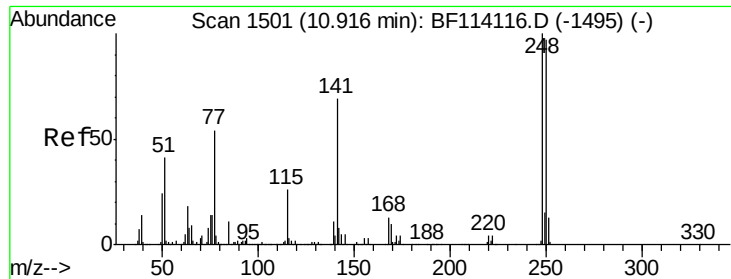
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



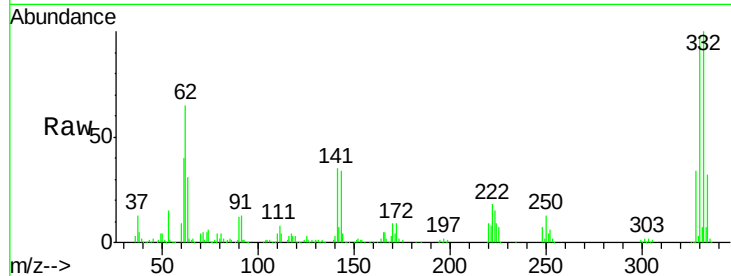
Time-->



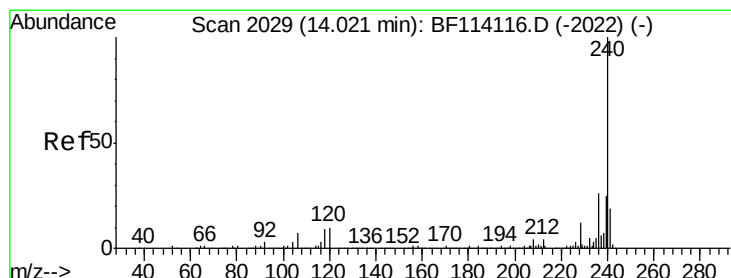
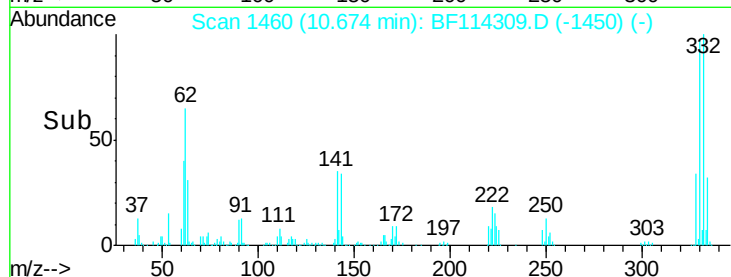
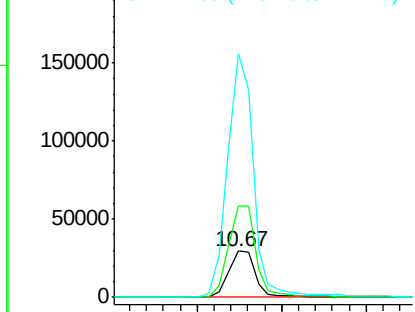
#67
 4-Bromophenyl-phenylether
 Concen: 3.473 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114309.D
 Acq: 16 May 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Tot Ion:248 Resp: 32766
 Ion Ratio Lower Upper
 248 100
 250 198.3 77.4 116.2#
 141 526.7 55.6 83.4#

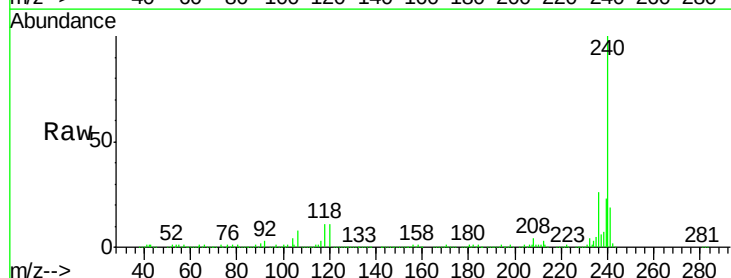


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

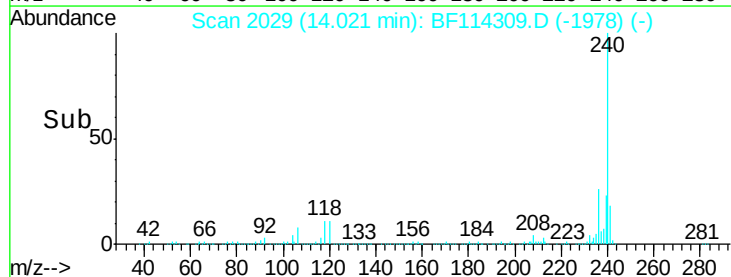
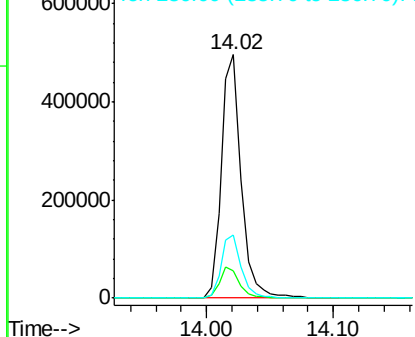


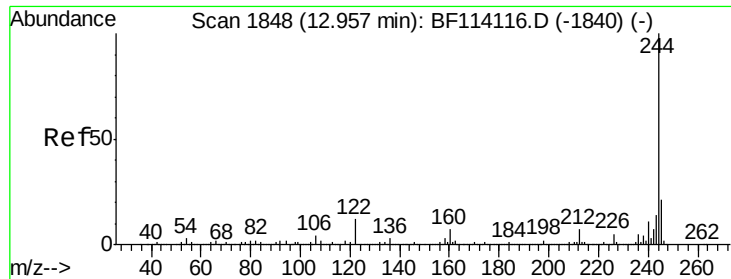
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF114309.D
 Acq: 16 May 2019 15:21

Tgt Ion:240 Resp: 541944
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.3 12.5
 236 25.9 20.8 31.2



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: 79.953 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

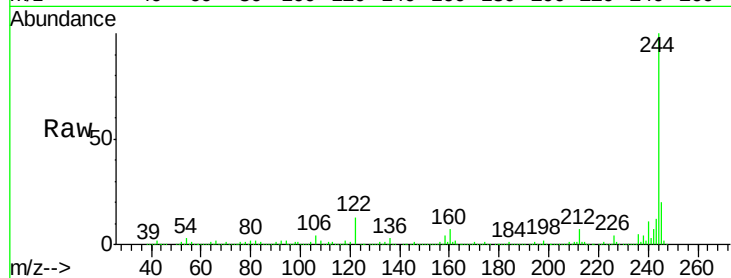
Tot Ion:244 Resp: 2101942

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

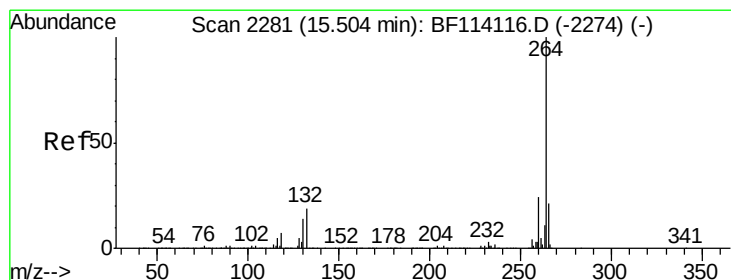
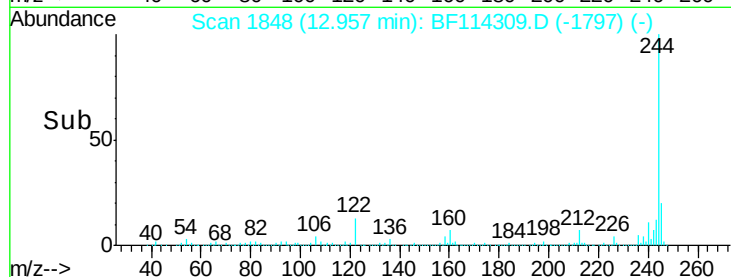
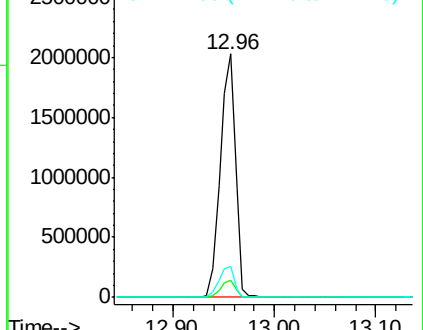
122 12.9 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF114309.D

Acq: 16 May 2019 15:21

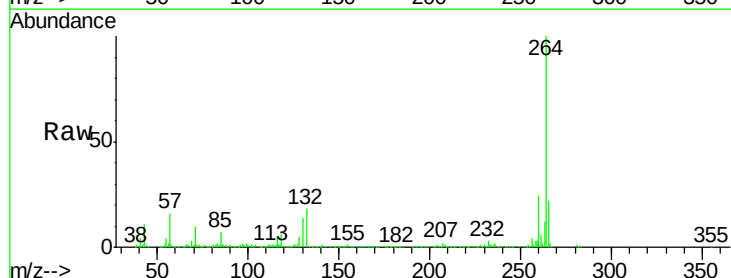
Tgt Ion:264 Resp: 601383

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

265 21.5 16.9 25.3



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

