

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP112719\
 Data File : BP001118.D
 Acq On : 28 Nov 2019 10:16
 Operator : JU
 Sample : K6025-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Nov 29 02:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

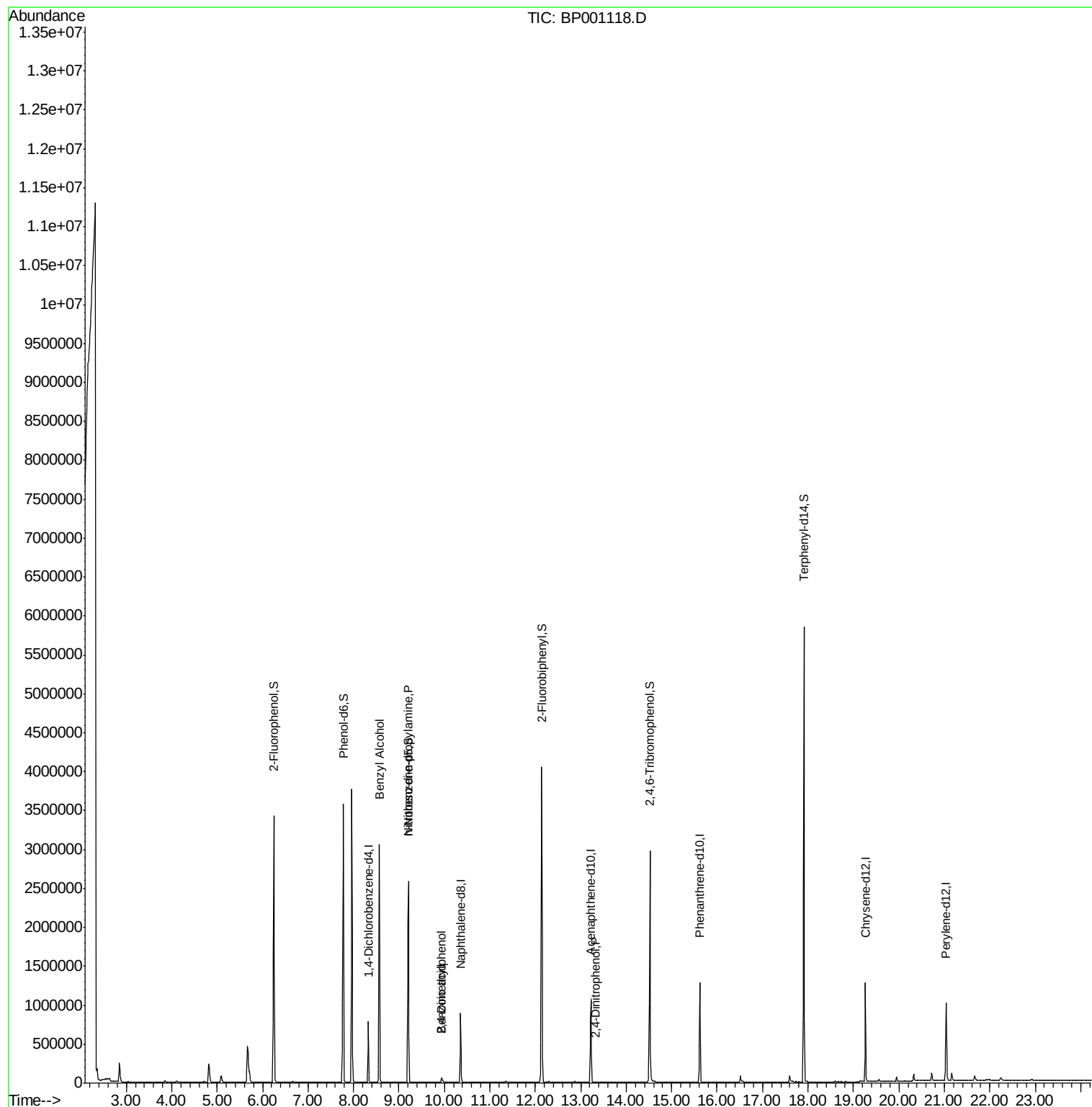
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	142388	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	536179	20.00	ng	0.00
39) Acenaphthene-d10	13.22	164	302440	20.00	ng	-0.01
64) Phenanthrene-d10	15.62	188	589633	20.00	ng	0.00
76) Chrysene-d12	19.26	240	465877	20.00	ng	-0.01
87) Perylene-d12	21.04	264	492022	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	1273225	148.35	ng	0.02
7) Phenol-d6	7.78	99	1695848	148.32	ng	0.01
23) Nitrobenzene-d5	9.20	82	1165760	94.33	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	432322	149.13	ng	0.00
45) 2-Fluorobiphenyl	12.14	172	1972730	95.46	ng	-0.01
79) Terphenyl-d14	17.91	244	2377054	94.40	ng	0.00
Target Compounds						
9) Benzaldehyde	7.62	77	230	Below Cal		Qvalue # 46
15) Benzyl Alcohol	8.57	79	21267	2.266 ng	#	49
19) n-Nitroso-di-n-propylamine	9.20	70	159251	19.302 ng	#	81
27) 2,4-Dimethylphenol	9.94	122	22471	3.152 ng	#	1
32) Benzoic acid	9.94	122	22471	4.359 ng		90
54) 2,4-Dinitrophenol	13.32	184	19	7.118 ng	#	79

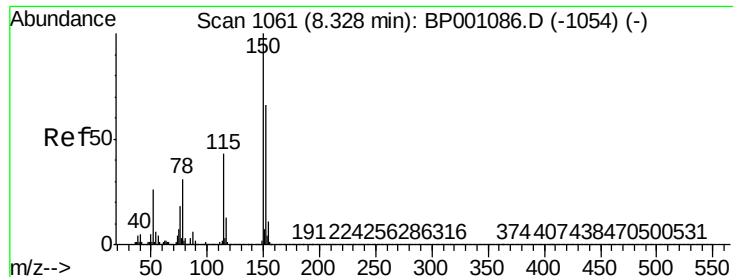
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 17:38:46 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.32 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGS

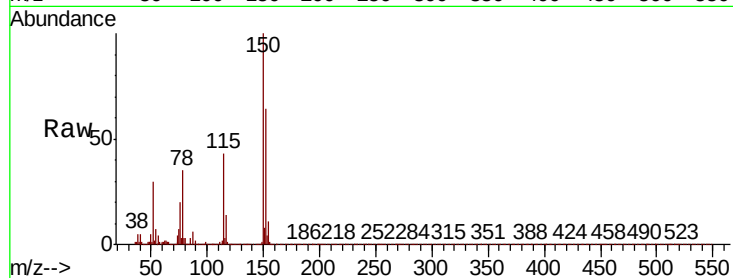
Tot Ion:152 Resp: 142388

Ion Ratio Lower Upper

152 100

150 156.2 120.6 181.0

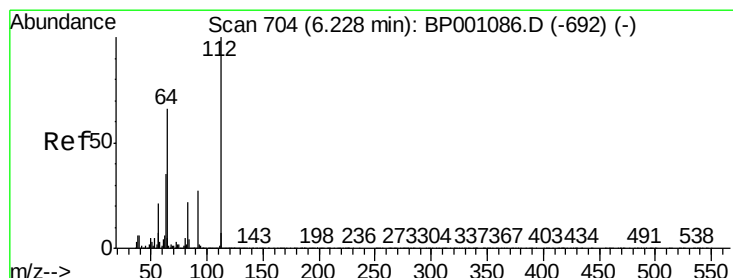
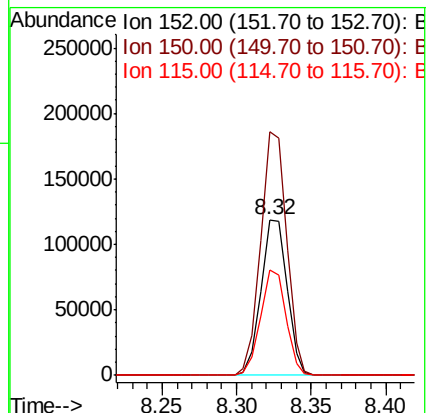
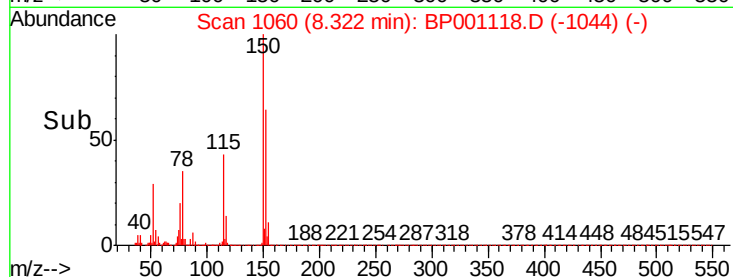
115 67.8 51.6 77.4



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: 148.354 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.02 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

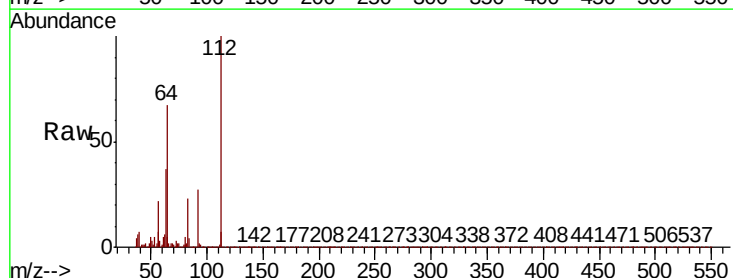
Tgt Ion:112 Resp: 1273225

Ion Ratio Lower Upper

112 100

64 66.6 52.8 79.2

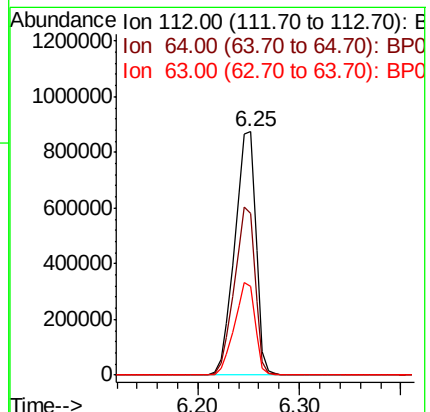
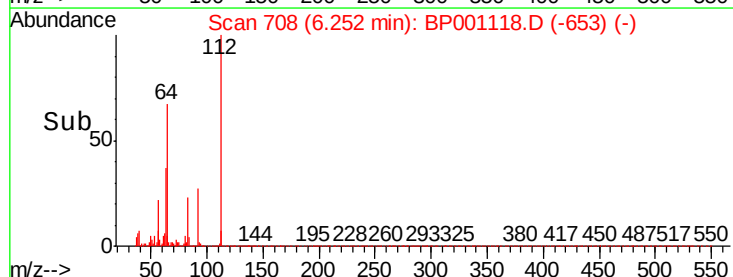
63 36.6 28.2 42.2

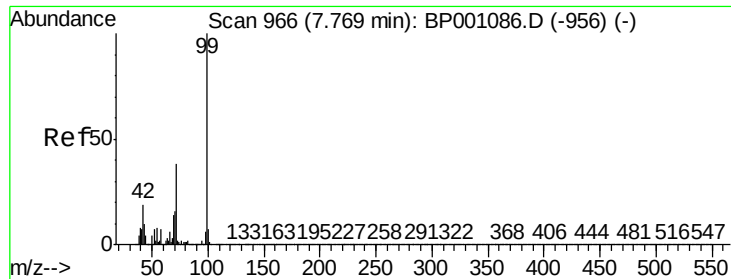


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 148.319 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGS

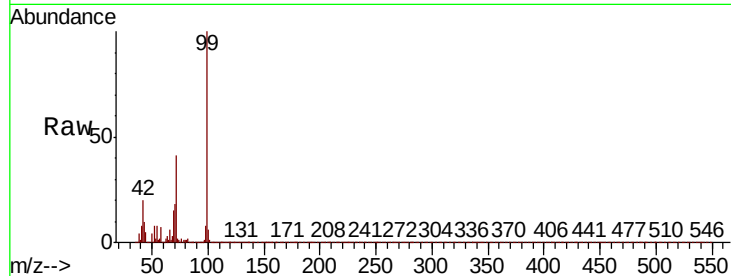
Tot Ion: 99 Resp: 1695848

Ion Ratio Lower Upper

99 100

42 20.1 15.4 23.0

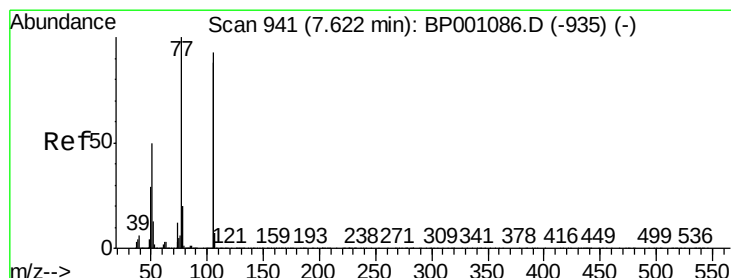
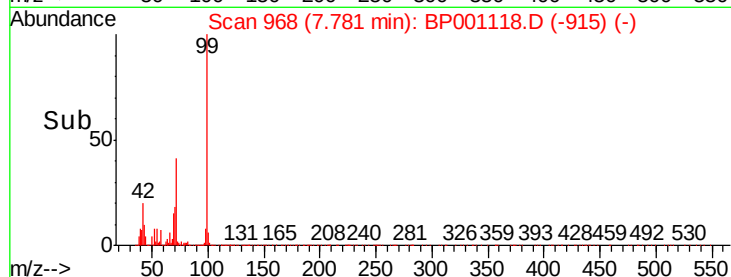
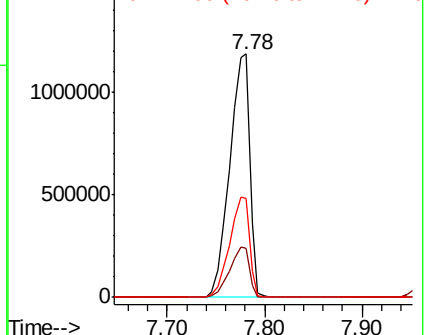
71 40.7 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 7.62 min Scan# 941

Delta R.T. 0.00 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

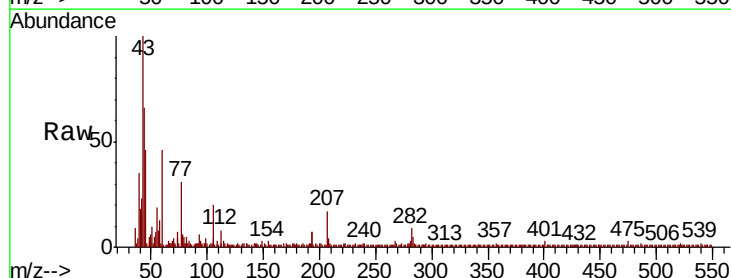
Tgt Ion: 77 Resp: 230

Ion Ratio Lower Upper

77 100

105 64.3 72.5 112.5#

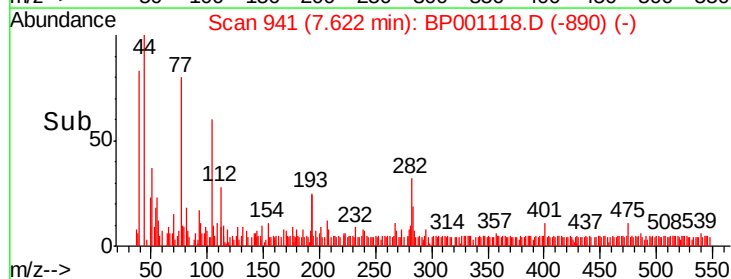
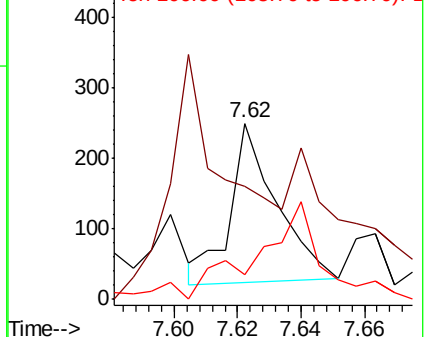
106 13.3 67.6 107.6#

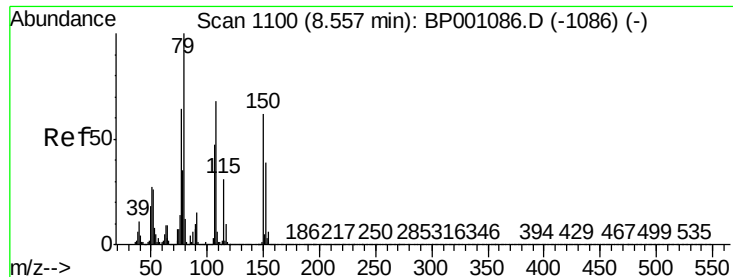


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.266 ng

RT: 8.57 min Scan# 1102

Delta R.T. 0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGS

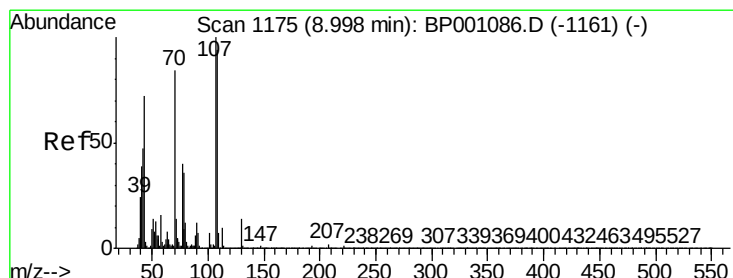
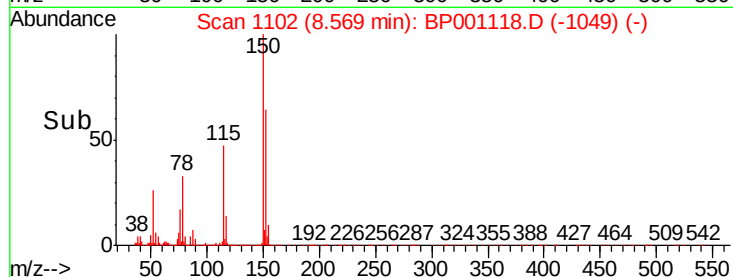
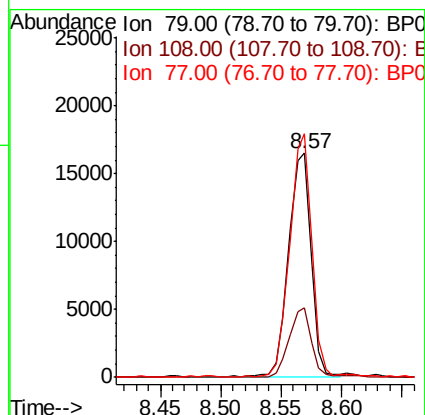
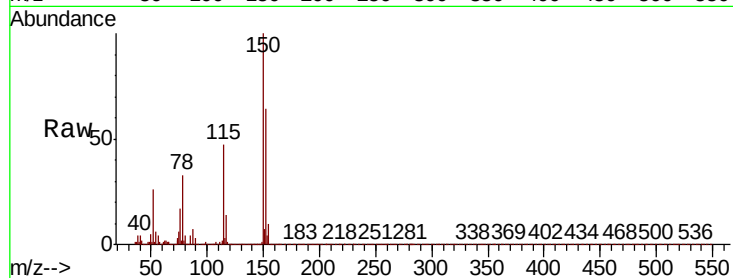
Tot Ion: 79 Resp: 21267

Ion Ratio Lower Upper

79 100

108 31.1 54.8 82.2#

77 108.8 51.4 77.2#



#19

n-Nitroso-di-n-propylamine

Concen: 19.302 ng

RT: 9.20 min Scan# 1210

Delta R.T. 0.21 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Tgt Ion: 70 Resp: 159251

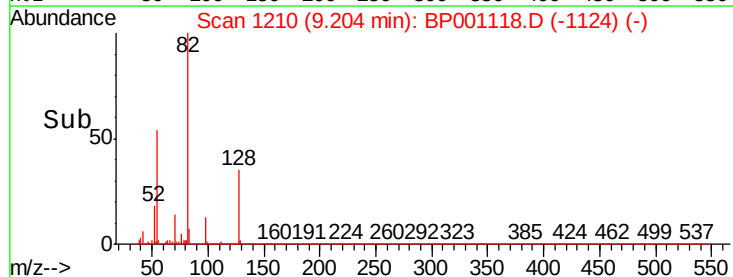
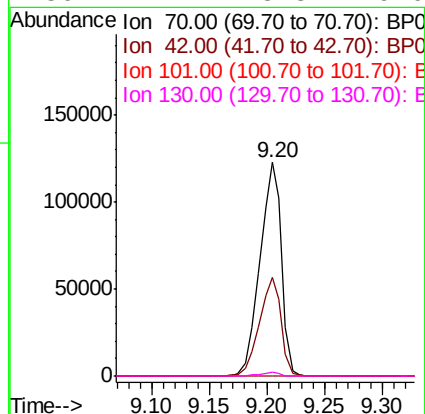
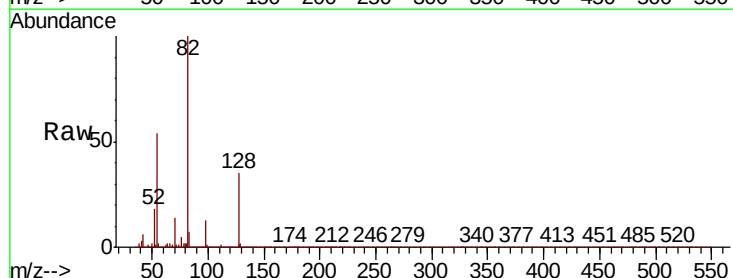
Ion Ratio Lower Upper

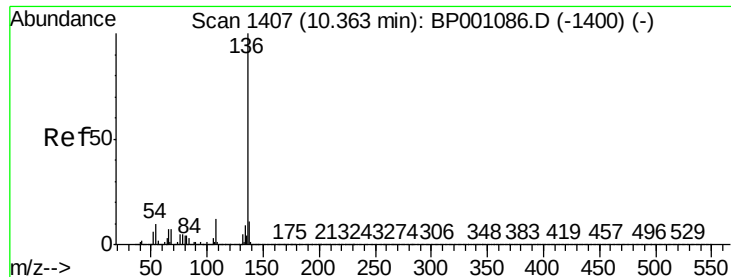
70 100

42 46.3 44.6 66.8

101 0.0 7.1 10.7#

130 1.7 13.8 20.6#

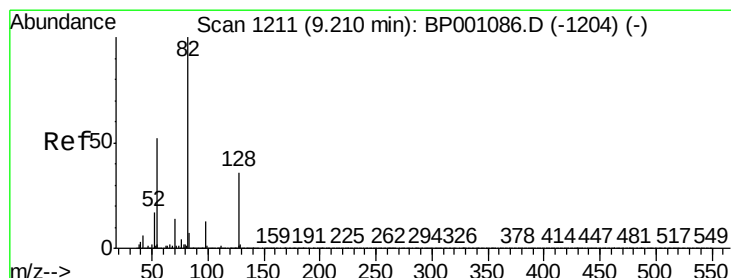
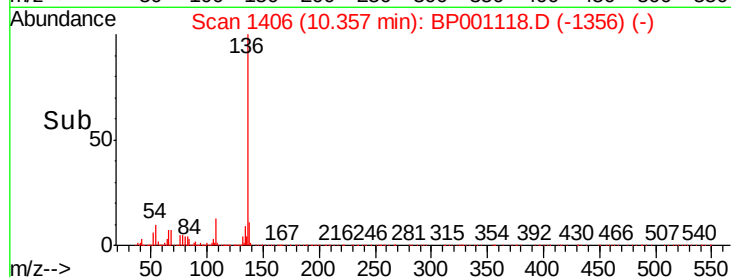
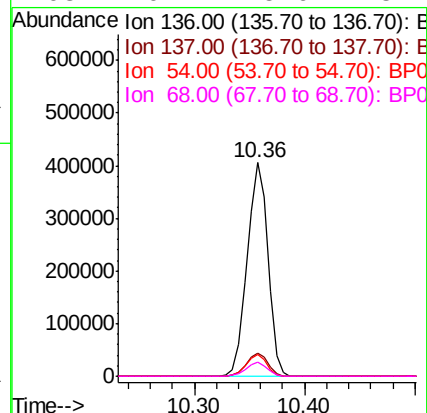
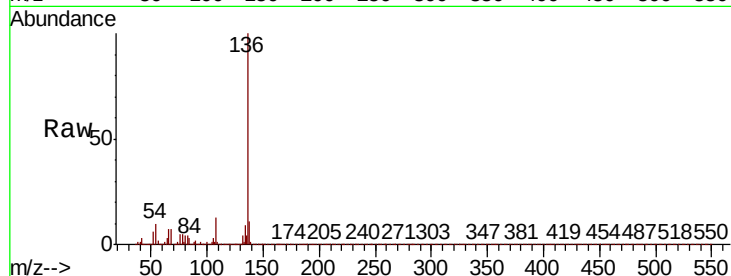




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

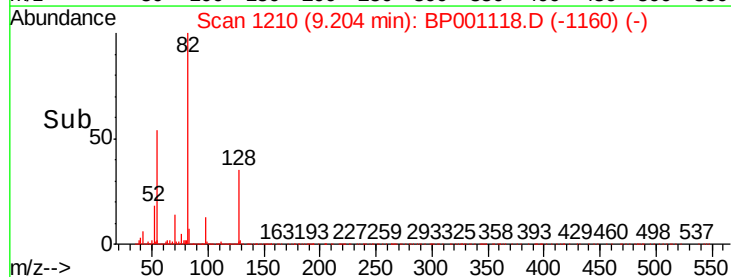
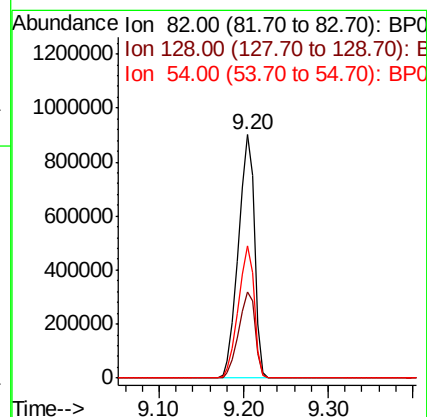
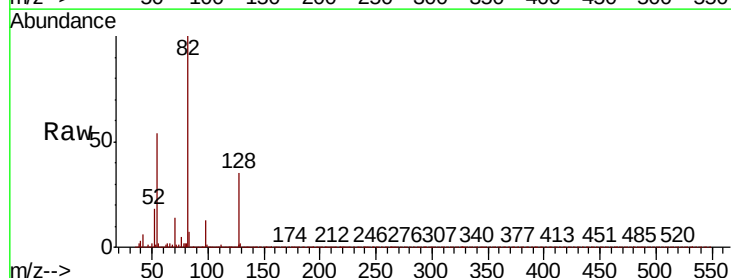
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGS

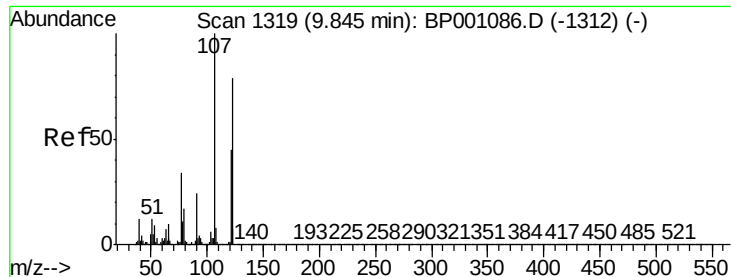
Tot Ion:136	Resp:	536179	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.8	13.2	
54 10.3	7.9	11.9	
68 6.7	5.6	8.4	



#23
Nitrobenzene-d5
Concen: 94.329 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

Tgt	Ion: 82	Resp: 1165760	
Ion	Ratio	Lower	Upper
82	100		
128	35.4	28.9	43.3
54	54.1	41.9	62.9

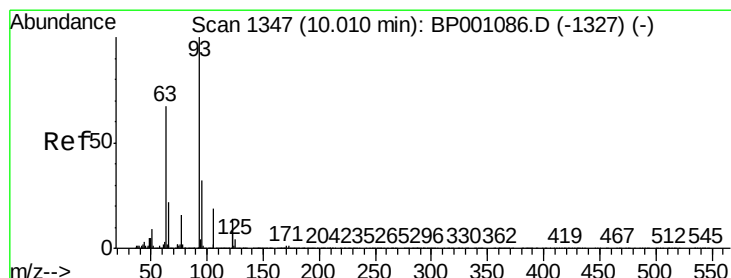
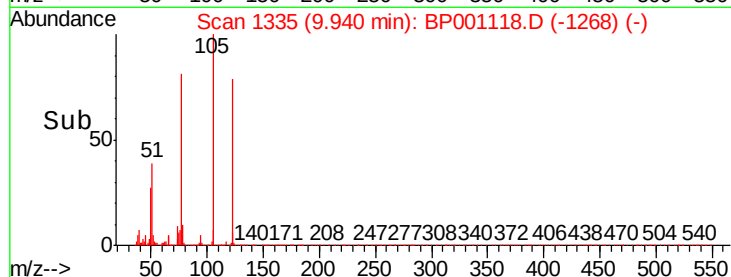
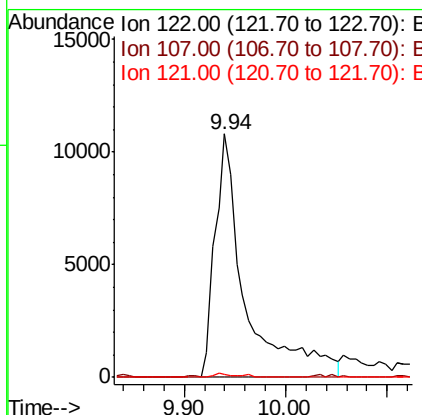
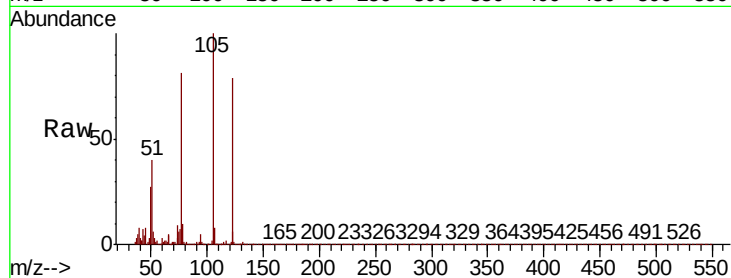




#27
2,4-Dimethylphenol
Concen: 3.152 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.09 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

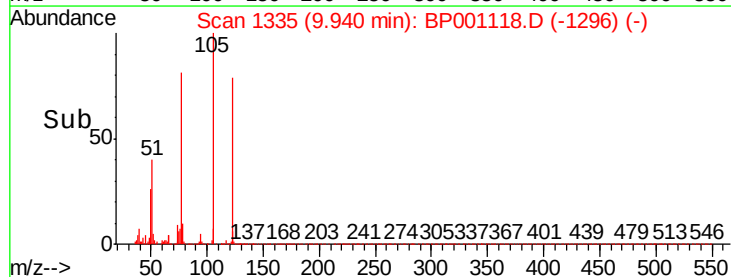
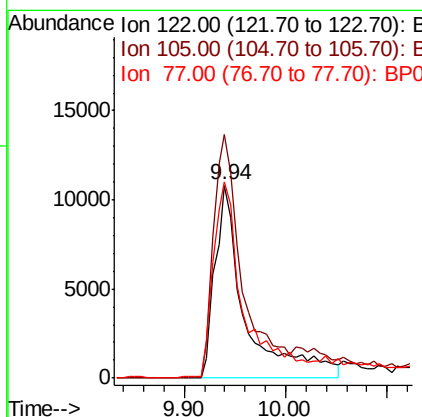
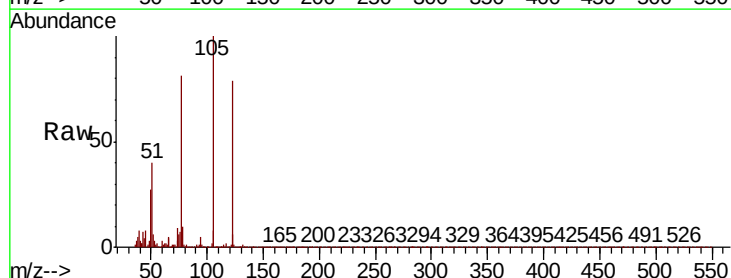
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGS

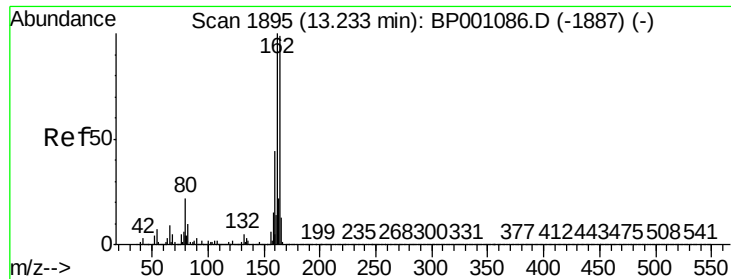
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.3	101.9	152.9#
121	1.2	46.1	69.1#



#32
Benzoic acid
Concen: 4.359 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.07 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.4	116.8	156.8
77	102.1	95.0	135.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.22 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGS

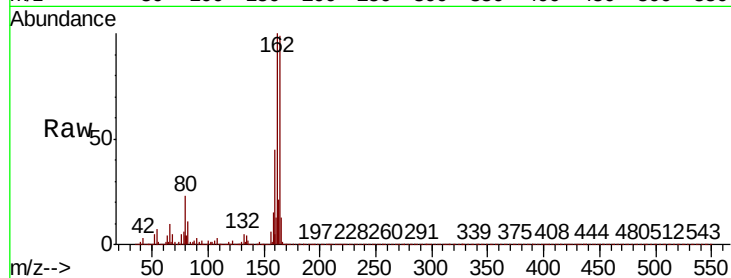
Tot Ion:164 Resp: 302440

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 45.3 35.4 53.2

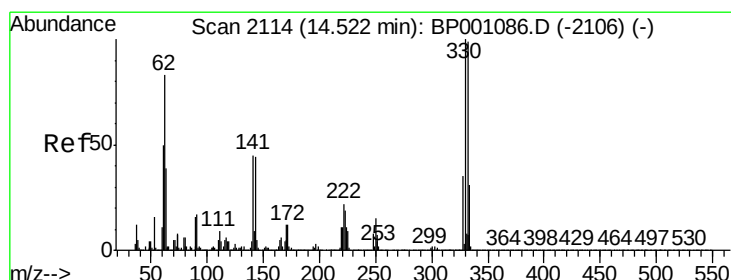
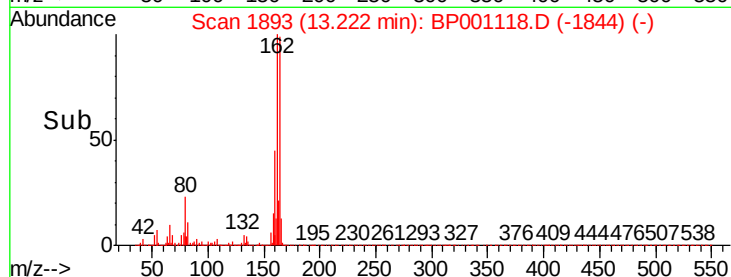
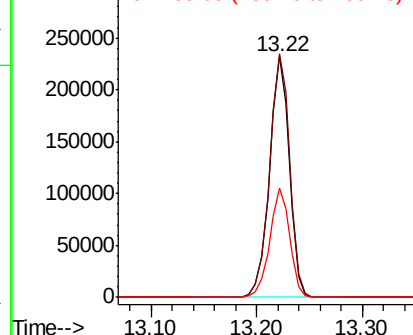


Abundance

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: 149.134 ng

RT: 14.52 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

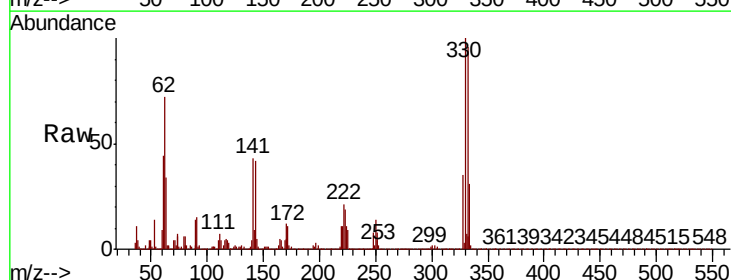
Tgt Ion:330 Resp: 432322

Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 44.7 34.2 51.2

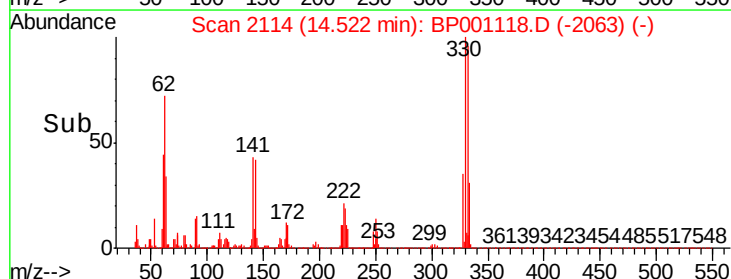
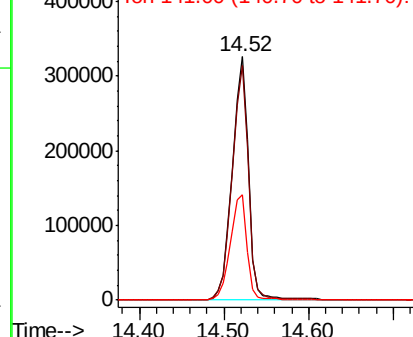


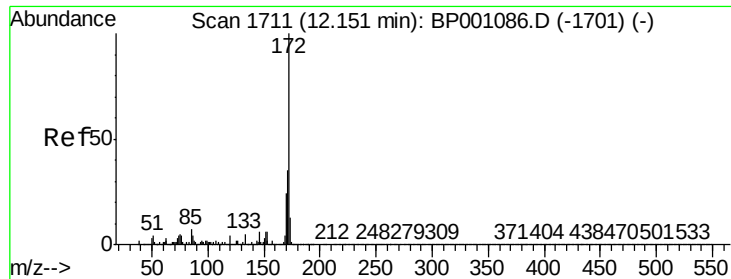
Abundance

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

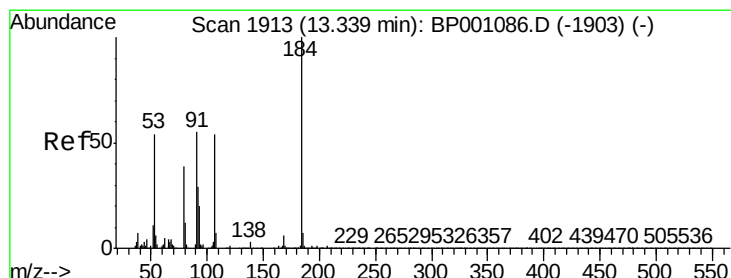
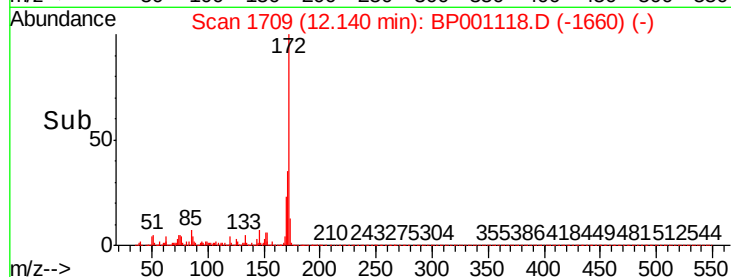
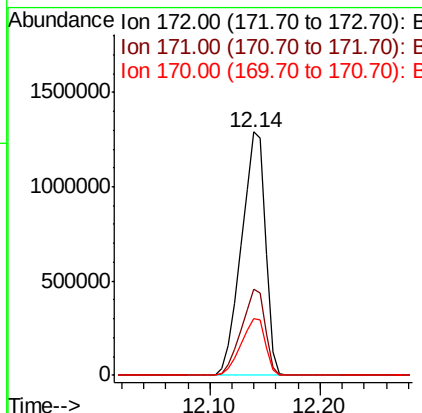
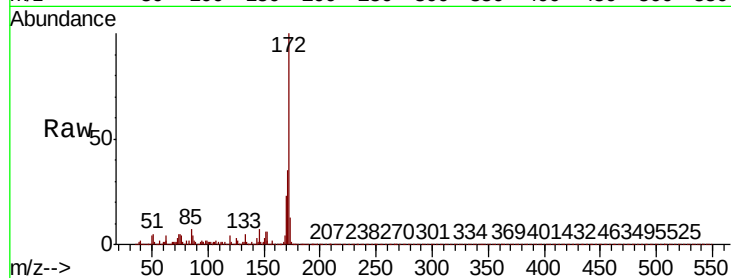




#45
2-Fluorobiphenyl
Concen: 95.465 ng
RT: 12.14 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

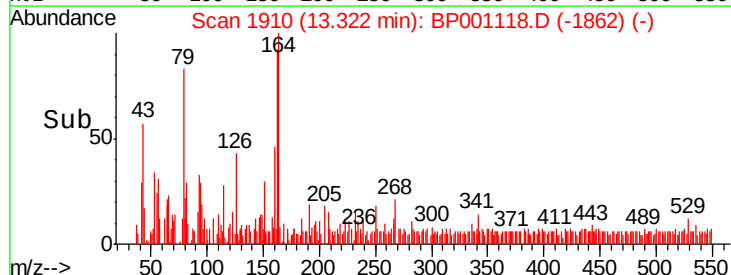
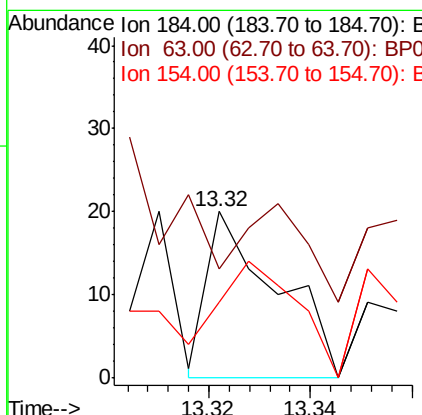
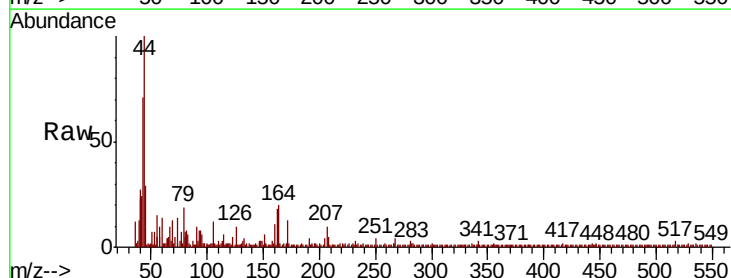
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGS

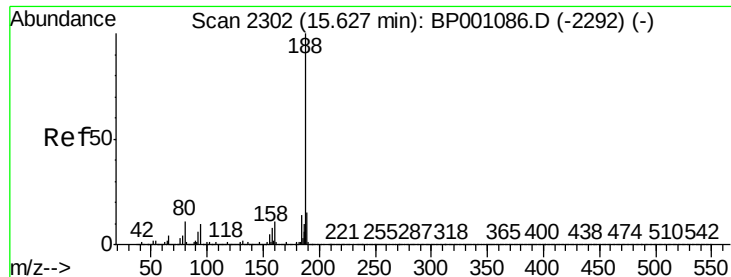
Tot Ion:172 Resp: 1972730
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.3 19.0 28.4



#54
2,4-Dinitrophenol
Concen: 7.118 ng
RT: 13.32 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BP001118.D
Acq: 28 Nov 2019 10:16

Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 65.0 60.7 91.1
154 45.0 56.2 84.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGS

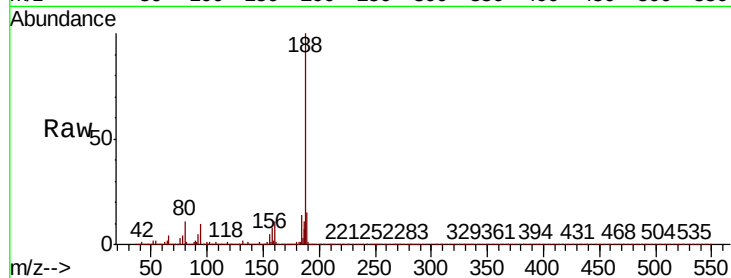
Tot Ion:188 Resp: 589633

Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

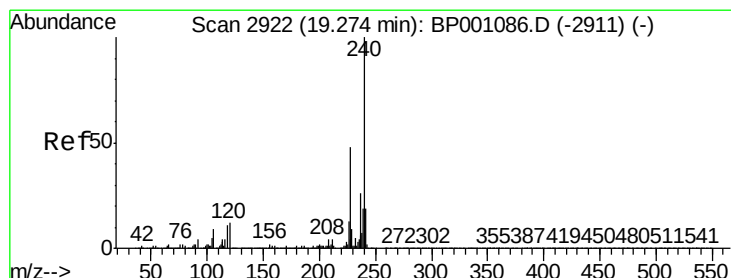
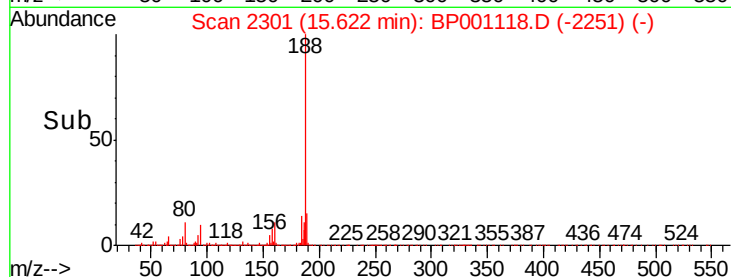
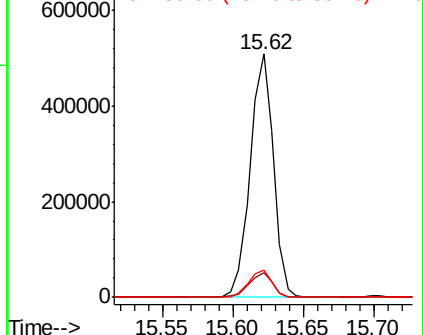
80 11.2 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.26 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BP001118.D

Acq: 28 Nov 2019 10:16

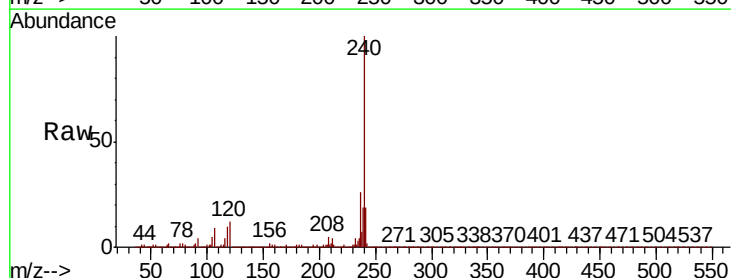
Tgt Ion:240 Resp: 465877

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

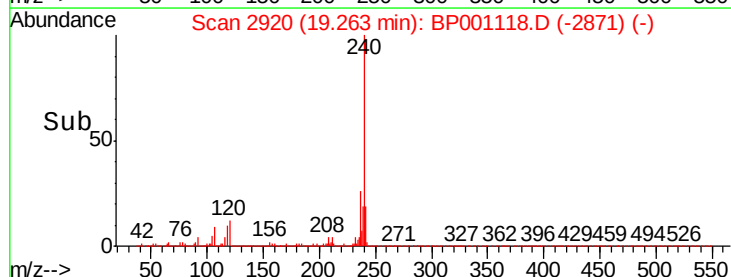
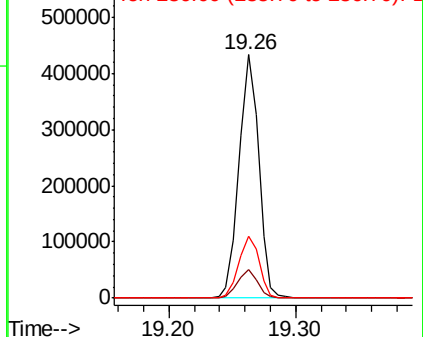
236 25.7 20.4 30.6

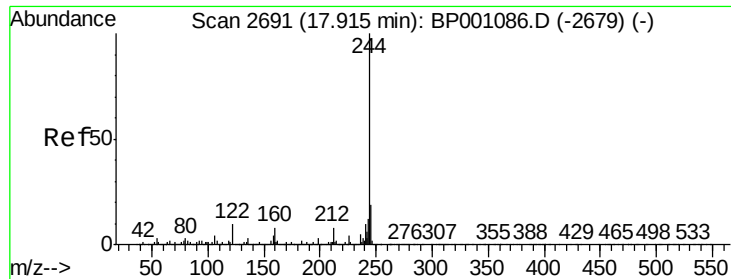


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

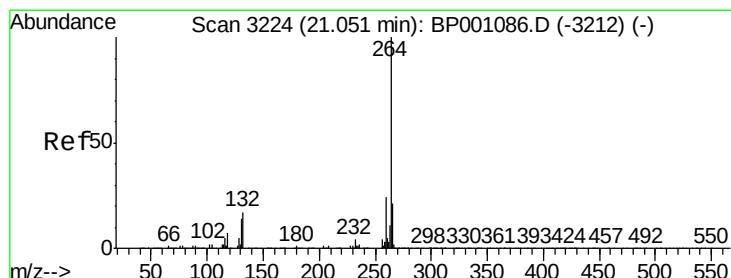
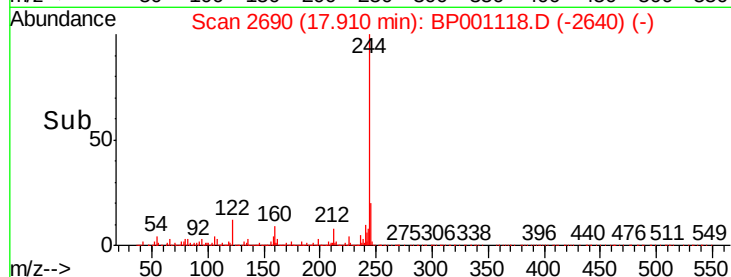
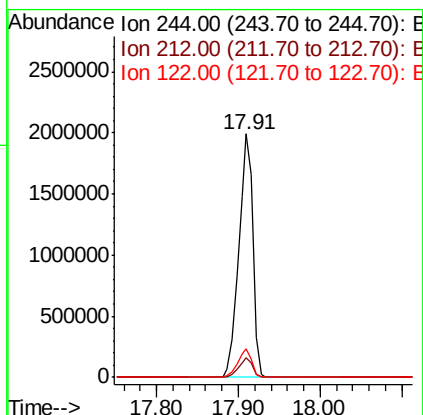
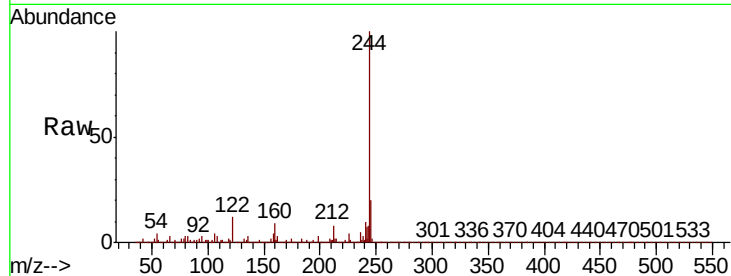




#79
 Terphenyl-d14
 Concen: 94.398 ng
 RT: 17.91 min Scan# 2690
 Delta R.T. -0.01 min
 Lab File: BP001118.D
 Acq: 28 Nov 2019 10:16

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:244 Resp: 2377054
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 11.9 8.2 12.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.04 min Scan# 3222
 Delta R.T. -0.01 min
 Lab File: BP001118.D
 Acq: 28 Nov 2019 10:16

Tgt Ion:264 Resp: 492022
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 22.0 16.9 25.3

