

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
 Data File : BP001308.D
 Acq On : 11 Dec 2019 10:53
 Operator : JU
 Sample : K6188-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Dec 12 06:38:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

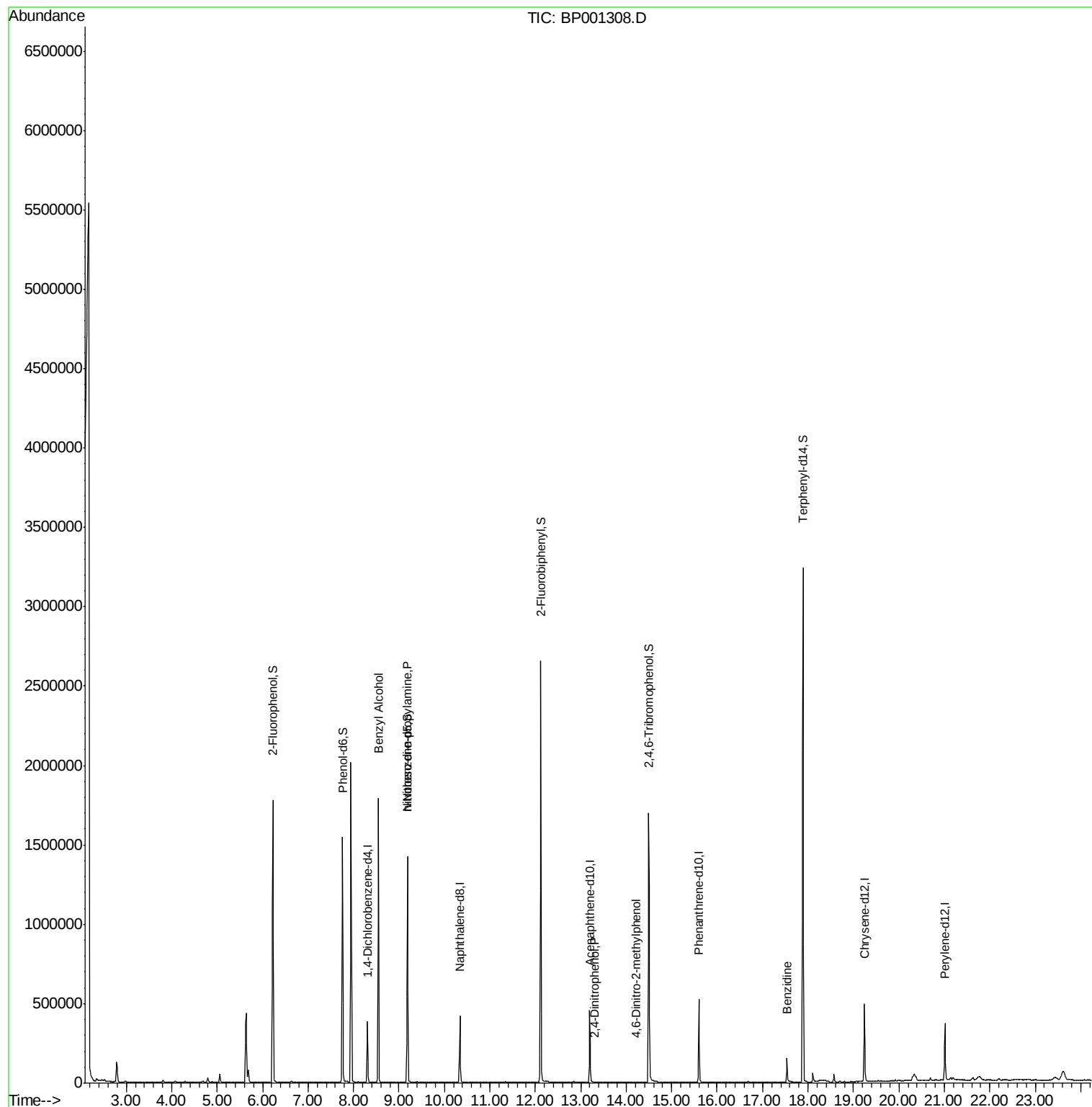
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	62124	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	218528	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	127517	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	249130	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	188923	20.00	ng	-0.02
87) Perylene-d12	21.02	264	191535	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	536788	143.35	ng	0.02
7) Phenol-d6	7.76	99	634337	127.16	ng	0.00
23) Nitrobenzene-d5	9.19	82	595592	118.25	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	231744	189.60	ng	0.00
45) 2-Fluorobiphenyl	12.12	172	1010796	116.01	ng	-0.01
79) Terphenyl-d14	17.89	244	1332949	130.53	ng	0.00
Target Compounds						
9) Benzaldehyde	7.62	77	252	Below Cal		Qvalue # 53
15) Benzyl Alcohol	8.55	79	11911	2.909 ng	#	53
19) n-Nitroso-di-n-propylamine	9.19	70	88326	24.537 ng	#	79
54) 2,4-Dinitrophenol	13.30	184	7	7.117 ng	#	65
65) 4,6-Dinitro-2-methylphenol	14.22	198	20	6.293 ng	#	1
77) Benzidine	17.54	184	75532	15.485 ng		98

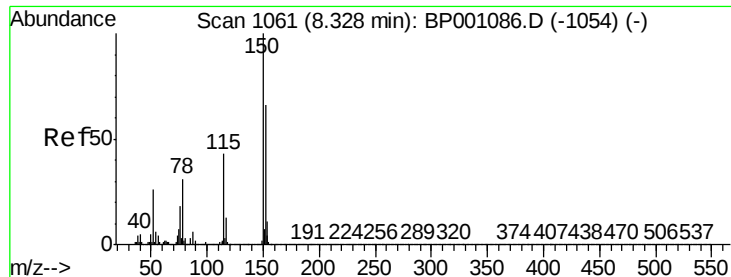
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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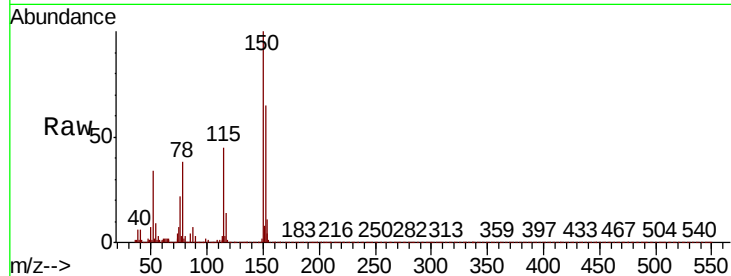




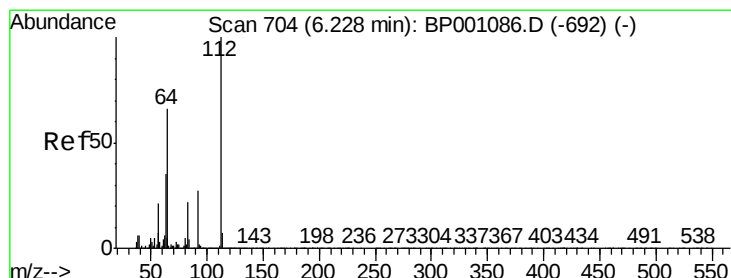
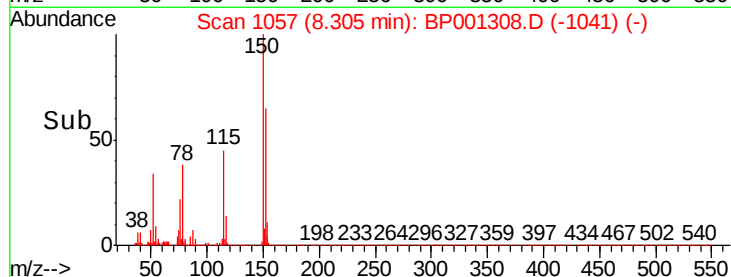
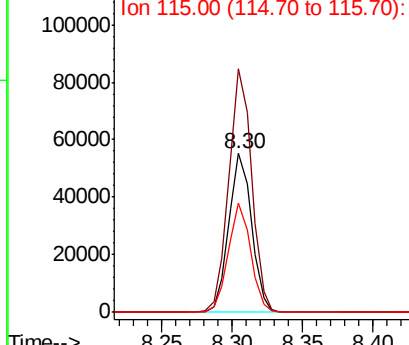
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BP001308.D
 Acq: 11 Dec 2019 10:53

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP-1

Tot Ion:152 Resp: 62124
 Ion Ratio Lower Upper
 152 100
 150 153.2 127.3 190.9
 115 69.1 56.0 84.0

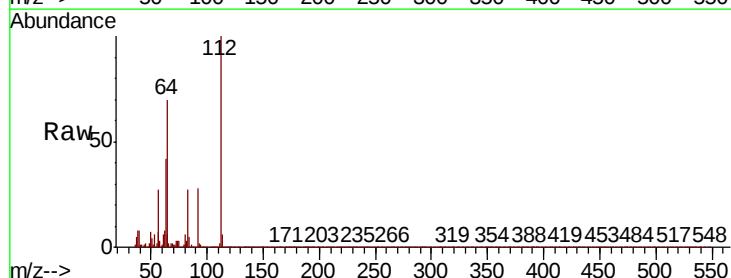


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

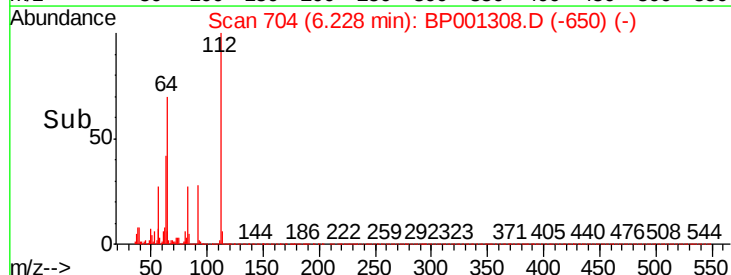
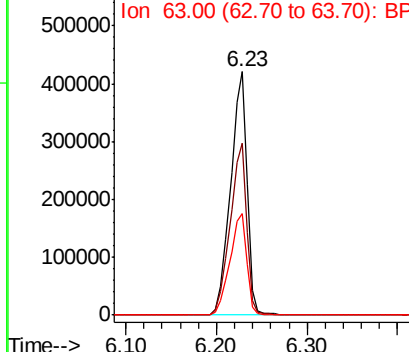


#5
 2-Fluorophenol
 Concen: 143.354 ng
 RT: 6.23 min Scan# 704
 Delta R.T. 0.02 min
 Lab File: BP001308.D
 Acq: 11 Dec 2019 10:53

Tgt Ion:112 Resp: 536788
 Ion Ratio Lower Upper
 112 100
 64 70.4 56.8 85.2
 63 41.7 32.2 48.2



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: 127.158 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

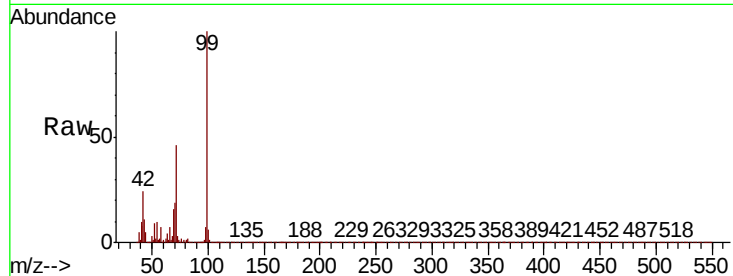
Tot Ion: 99 Resp: 634337

Ion Ratio Lower Upper

99 100

42 23.8 17.6 26.4

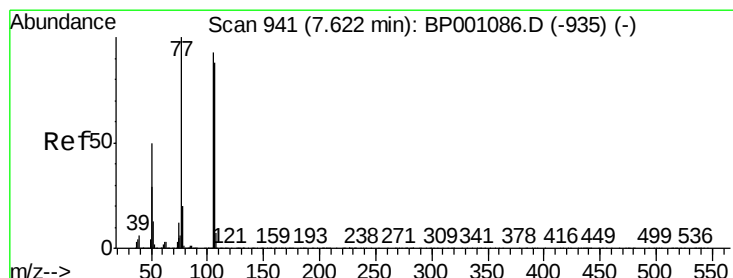
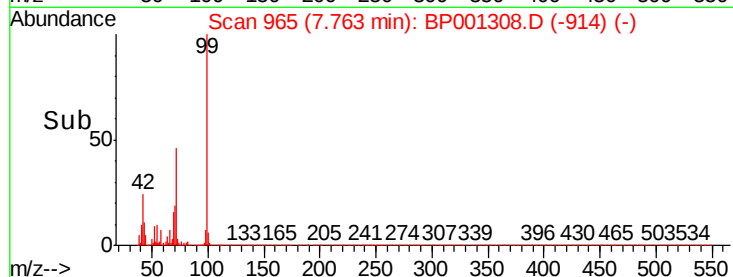
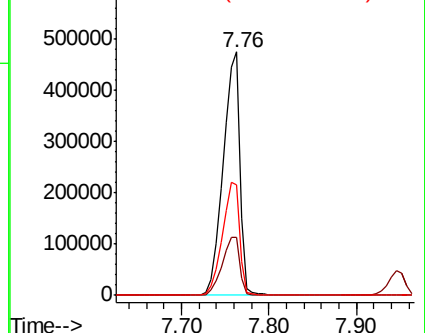
71 45.6 33.8 50.8



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# 940

Delta R.T. 0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

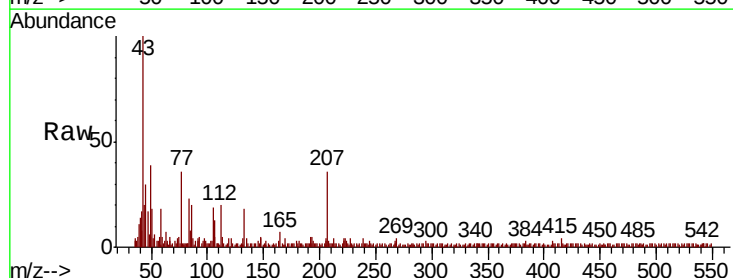
Tgt Ion: 77 Resp: 252

Ion Ratio Lower Upper

77 100

105 51.6 69.7 109.7#

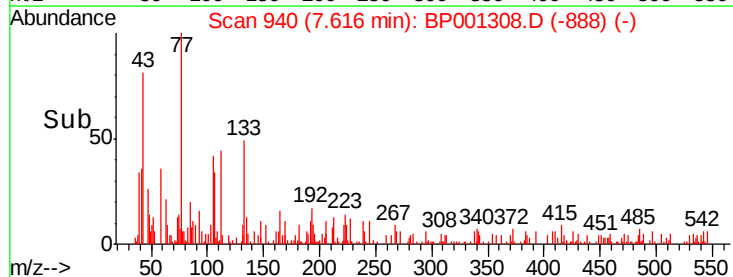
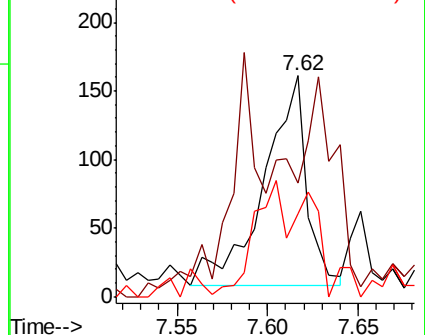
106 37.3 67.1 107.1#

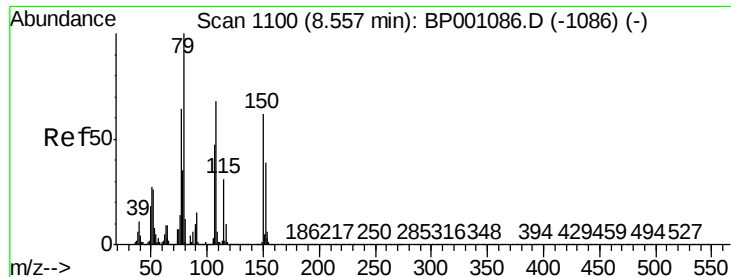


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.909 ng

RT: 8.55 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

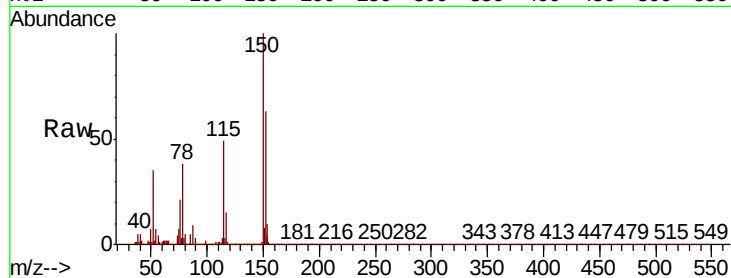
Tot Ion: 79 Resp: 11911

Ion Ratio Lower Upper

79 100

108 31.6 51.6 77.4#

77 108.3 53.5 80.3#

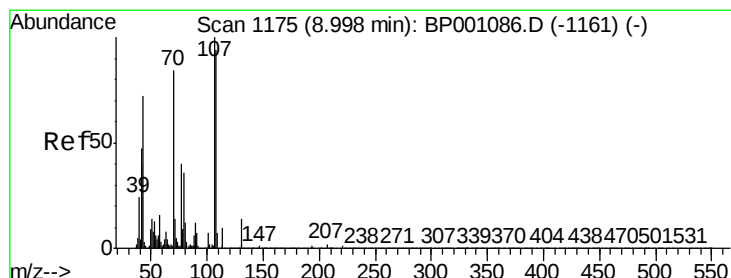
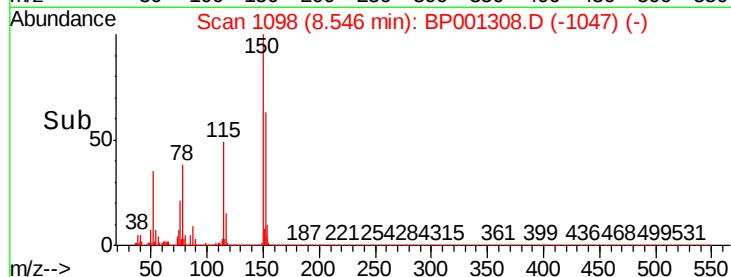
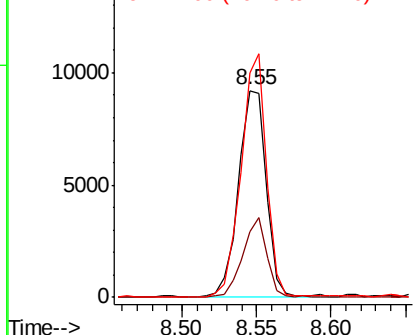


Abundance

Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 24.537 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.21 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Tgt Ion: 70 Resp: 88326

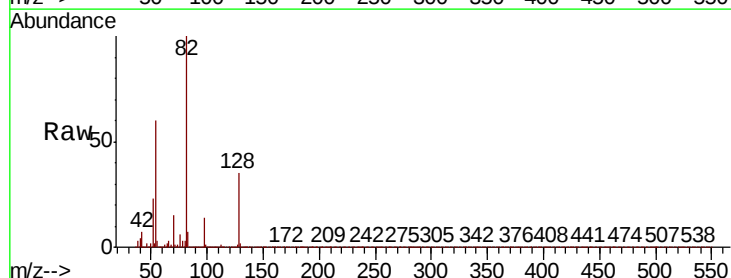
Ion Ratio Lower Upper

70 100

42 50.7 50.6 76.0

101 0.0 7.1 10.7#

130 1.5 13.6 20.4#



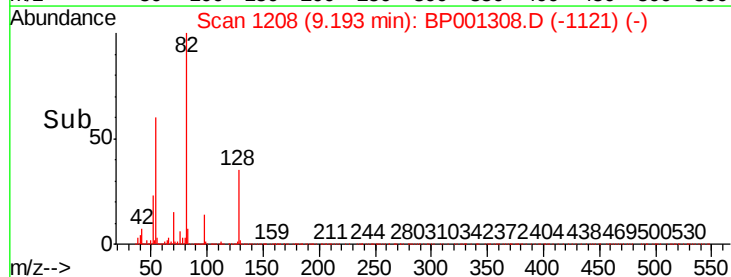
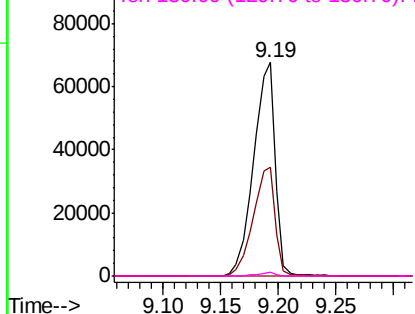
Abundance

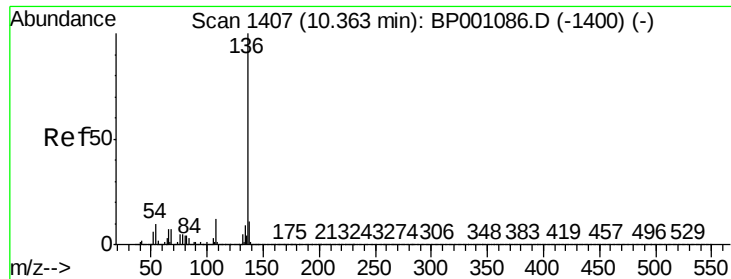
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

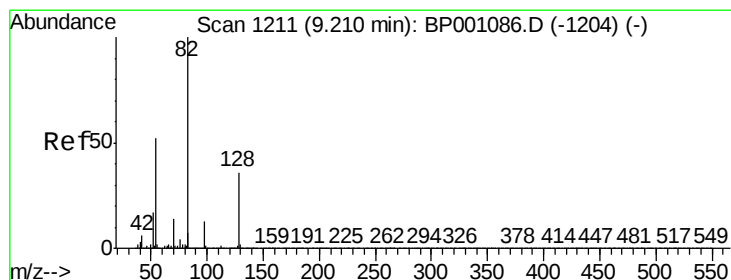
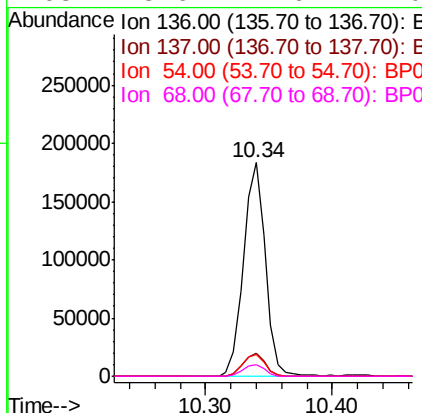
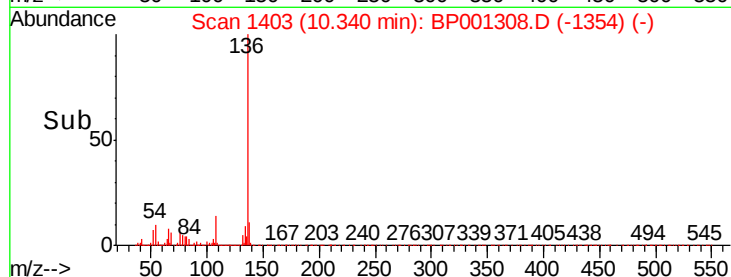
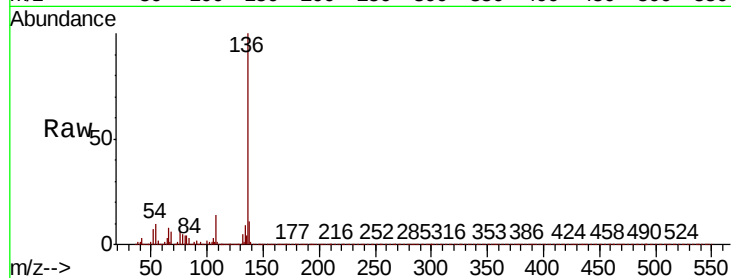




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

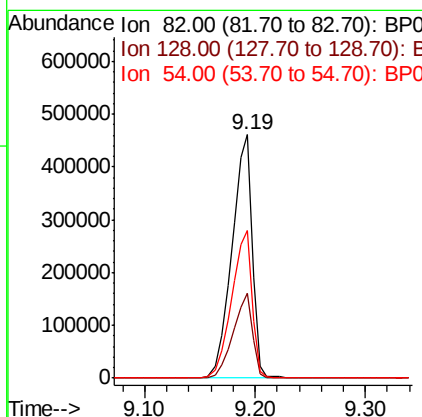
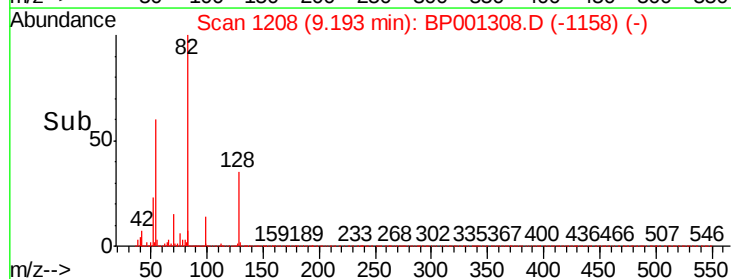
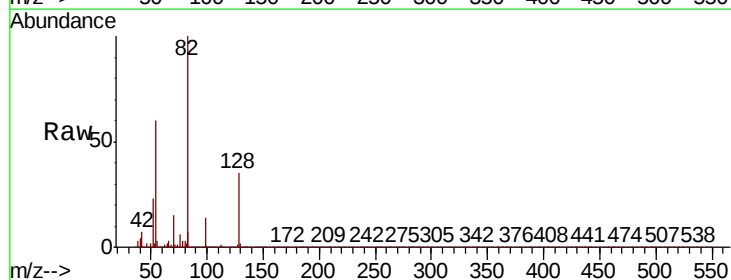
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP-1

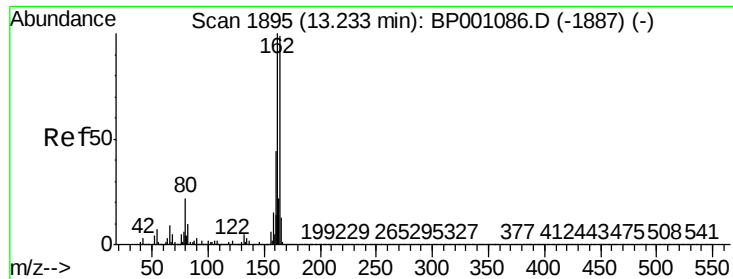
Tot Ion:136	Resp:	218528	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.4	12.6	
54 10.3	7.4	11.0	
68 5.6	4.6	7.0	



#23
Nitrobenzene-d5
Concen: 118.247 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

Tgt	Ion: 82	Resp:	595592
Ion	Ratio	Lower	Upper
82	100		
128	35.1	27.5	41.3
54	60.4	45.7	68.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

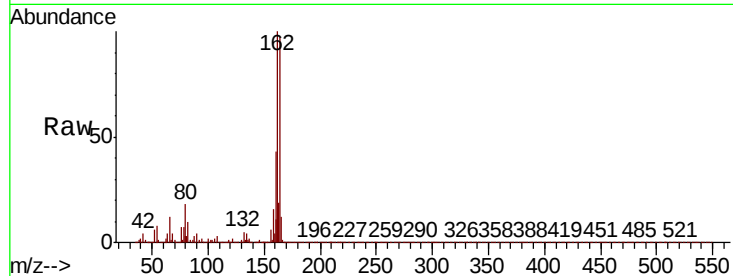
Tot Ion:164 Resp: 127517

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

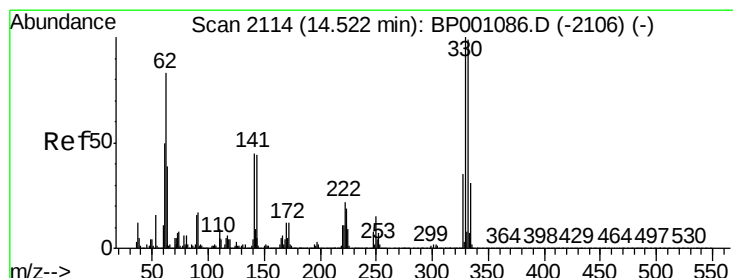
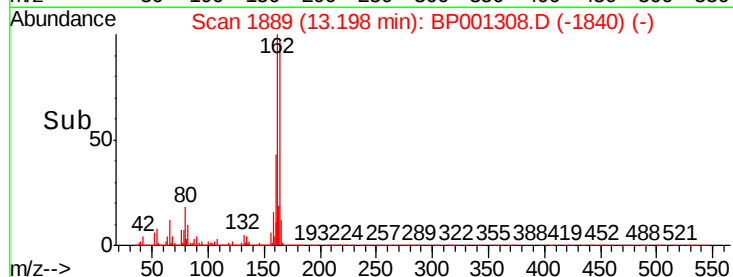
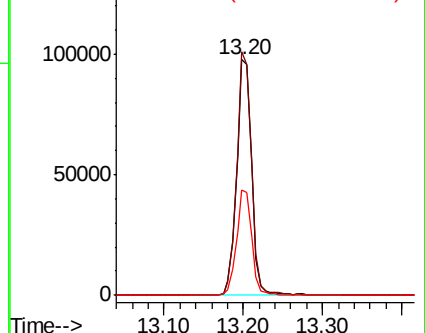
160 44.8 36.3 54.5



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: 189.604 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

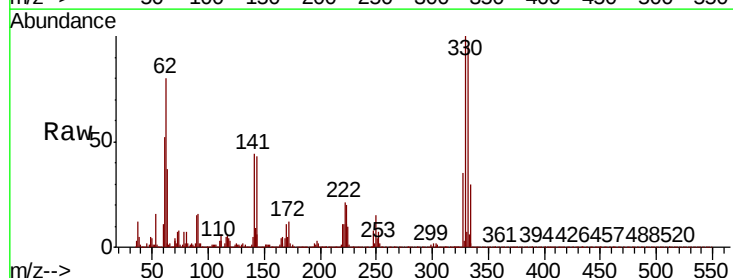
Tgt Ion:330 Resp: 231744

Ion Ratio Lower Upper

330 100

332 95.7 79.1 118.7

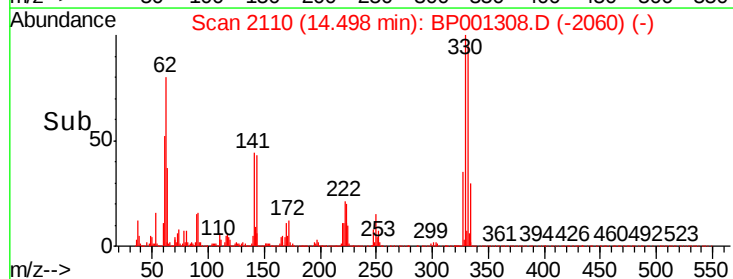
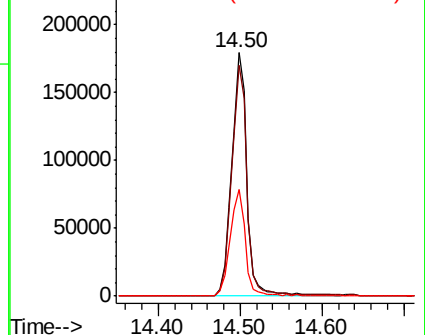
141 44.4 35.9 53.9

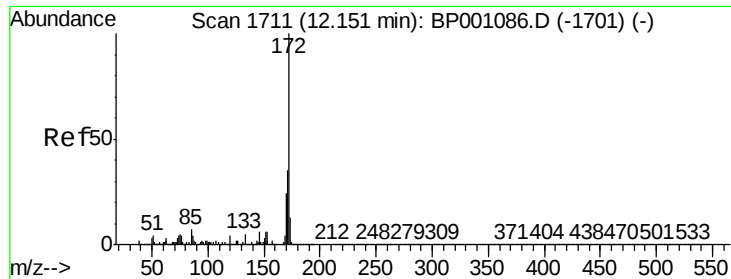


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

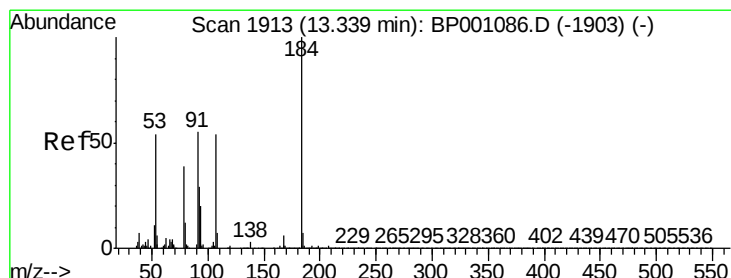
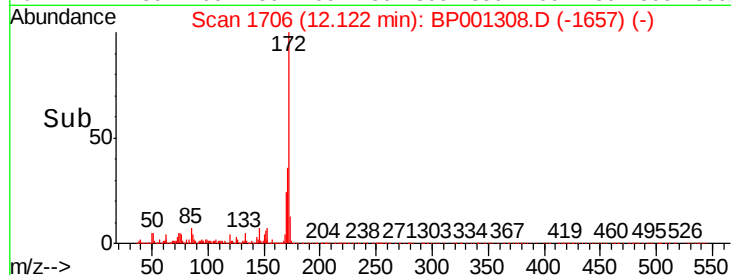
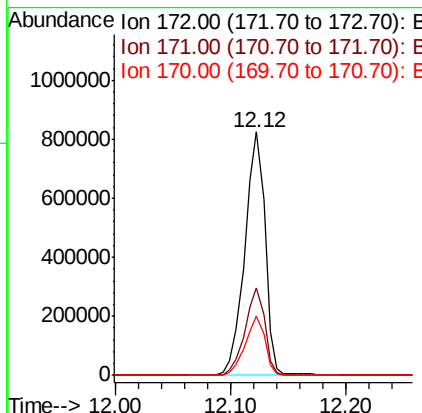
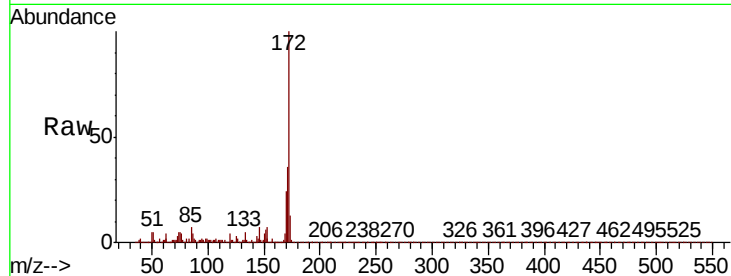




#45
2-Fluorobiphenyl
Concen: 116.014 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

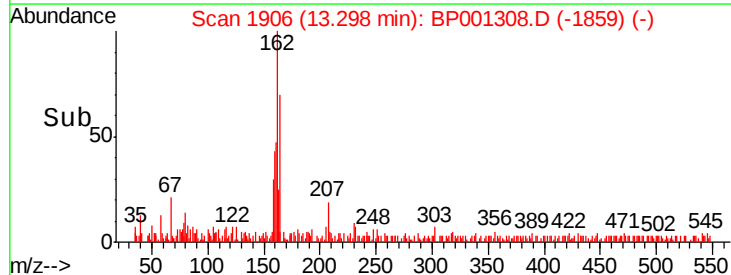
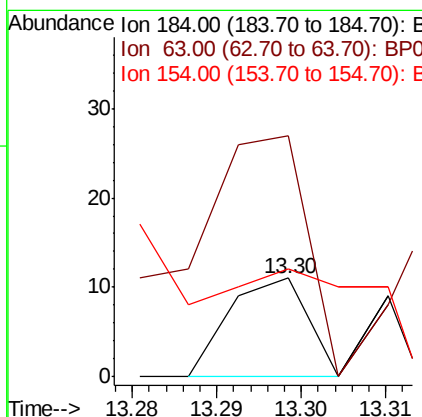
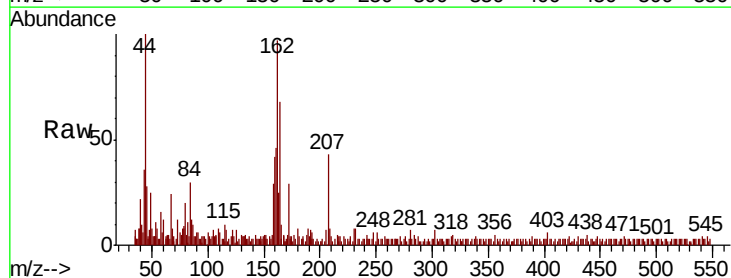
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BNA_P
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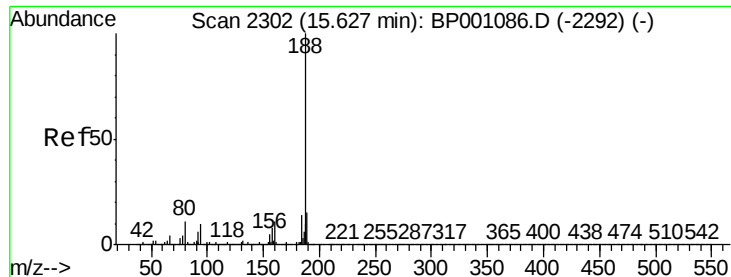
Tot Ion:172 Resp: 1010796
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 24.2 19.2 28.8



#54
2,4-Dinitrophenol
Concen: 7.117 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.02 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 135.0 69.4 104.0#
154 60.0 57.4 86.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

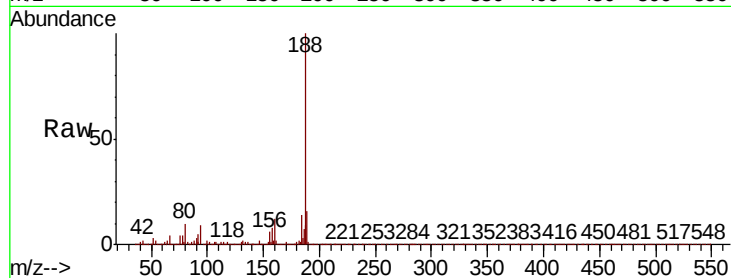
Tot Ion:188 Resp: 249130

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

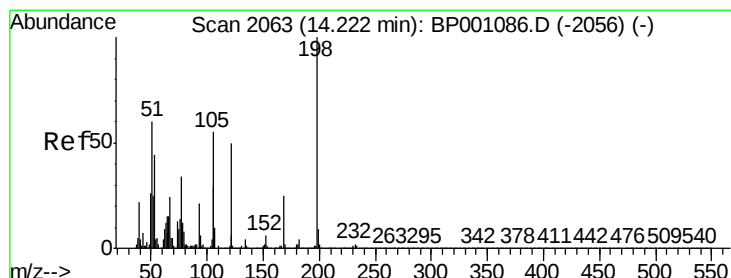
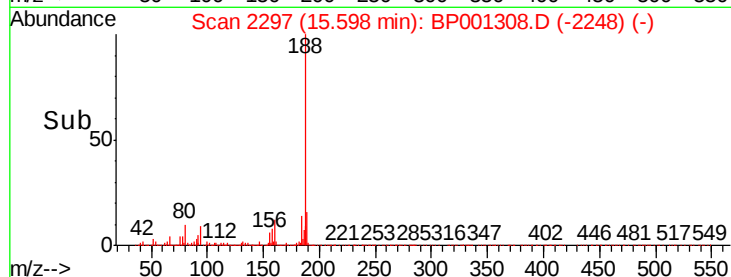
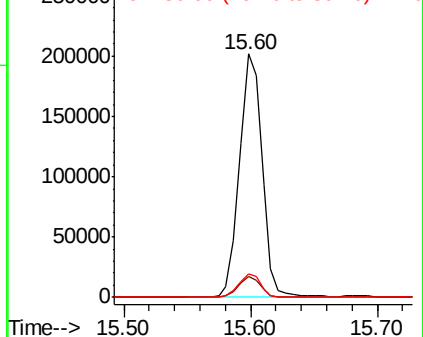
80 9.6 7.8 11.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.293 ng

RT: 14.22 min Scan# 2062

Delta R.T. 0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

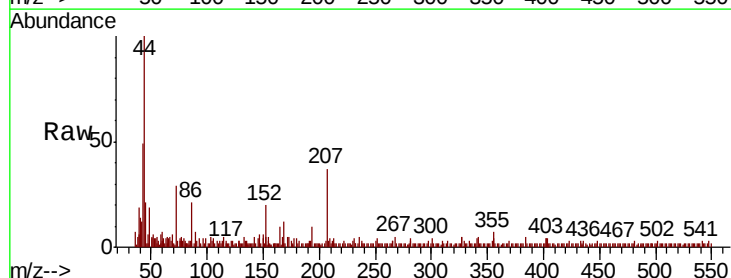
Tgt Ion:198 Resp: 20

Ion Ratio Lower Upper

198 100

51 200.0 36.2 76.2#

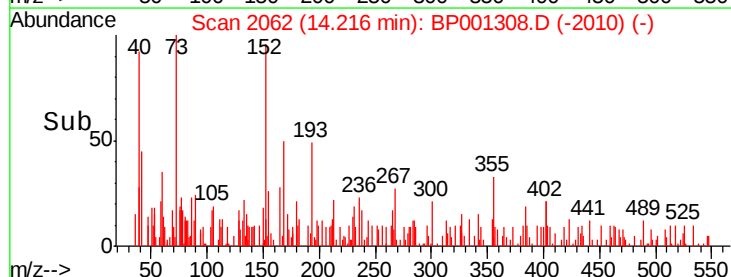
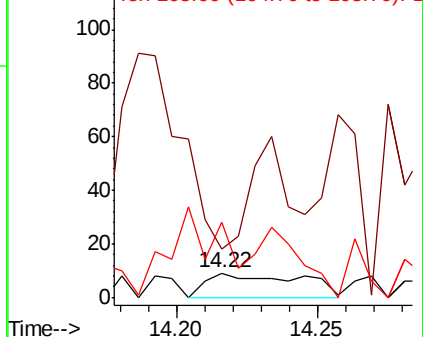
105 311.1 30.2 70.2#

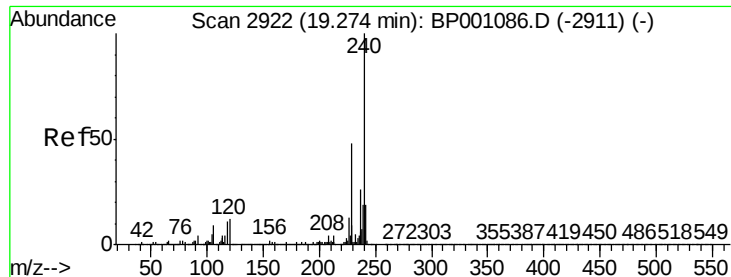


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

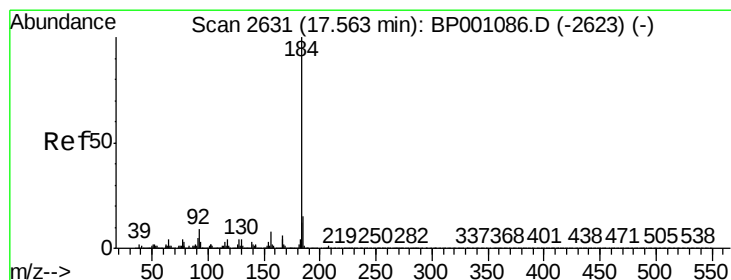
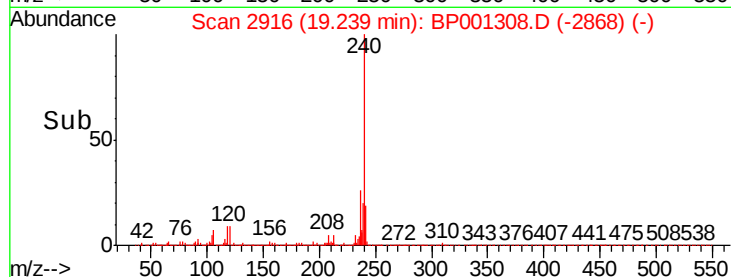
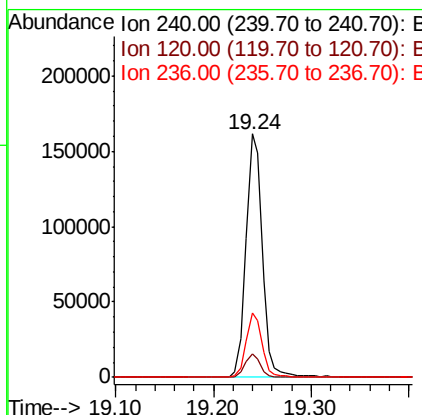
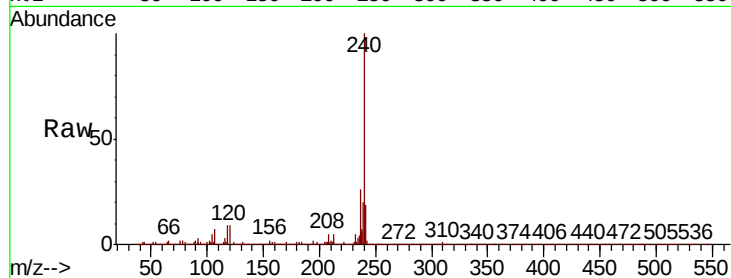




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.24 min Scan# 2916
Delta R.T. -0.02 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

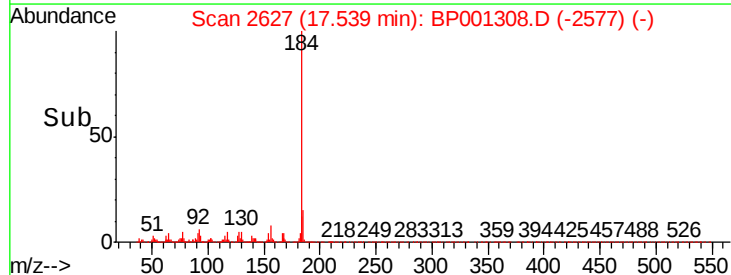
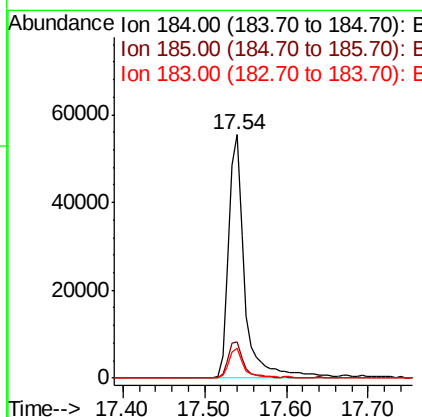
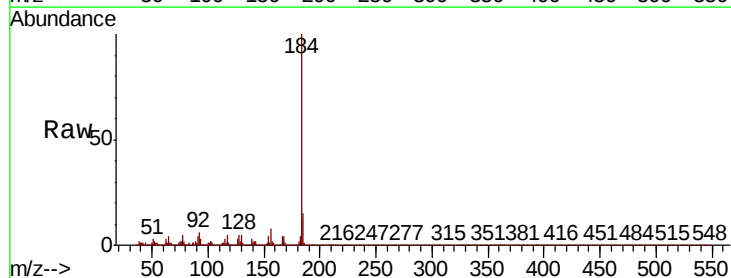
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP-1

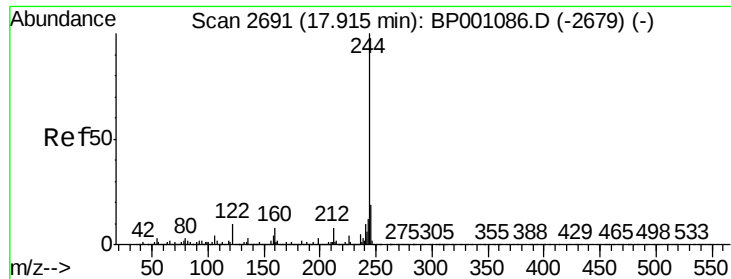
Tot Ion:240 Resp: 188923
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 26.4 21.7 32.5



#77
Benzidine
Concen: 15.485 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

Tgt Ion:184 Resp: 75532
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.0
183 12.3 9.0 13.4





#79

Terphenyl-d14

Concen: 130.534 ng

RT: 17.89 min Scan# 2687

Delta R.T. 0.00 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

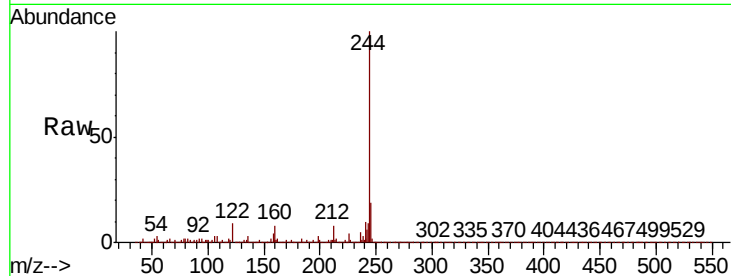
Tot Ion:244 Resp: 1332949

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.6	9.8
122	9.1	9.2	13.8

244 100

212 7.9 6.6 9.8

122 9.1 9.2 13.8

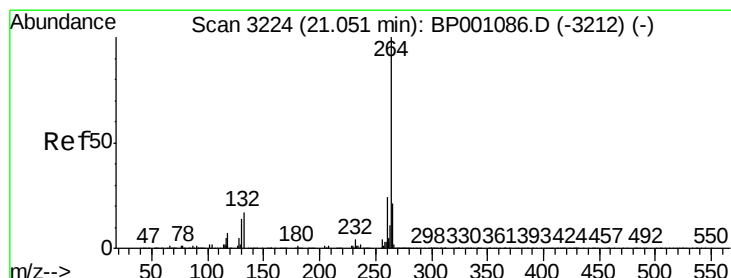
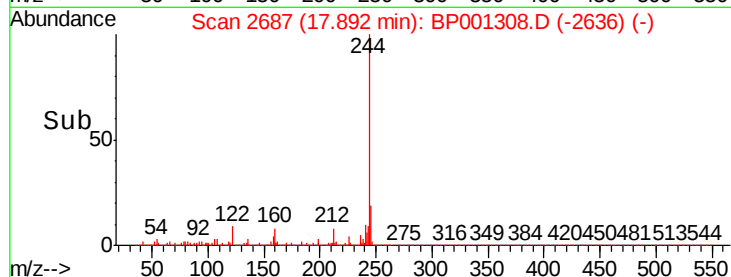
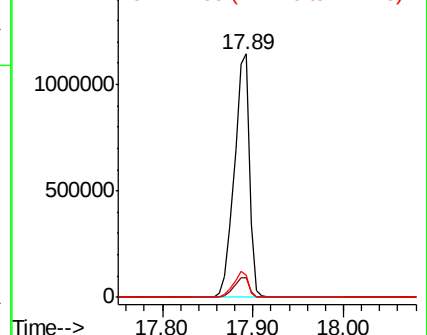


Abundance

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: 21.02 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

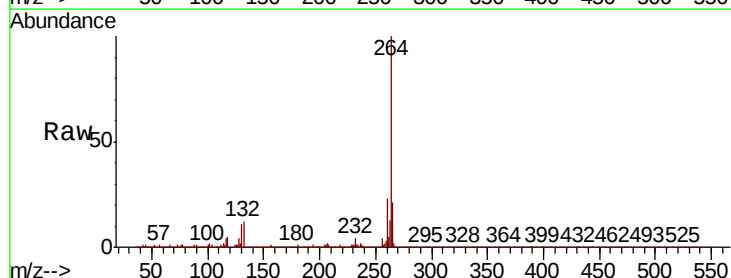
Tgt Ion:264 Resp: 191535

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.0
265	20.8	17.1	25.7

264 100

260 22.9 19.4 29.0

265 20.8 17.1 25.7



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

