

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 07:26:00 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

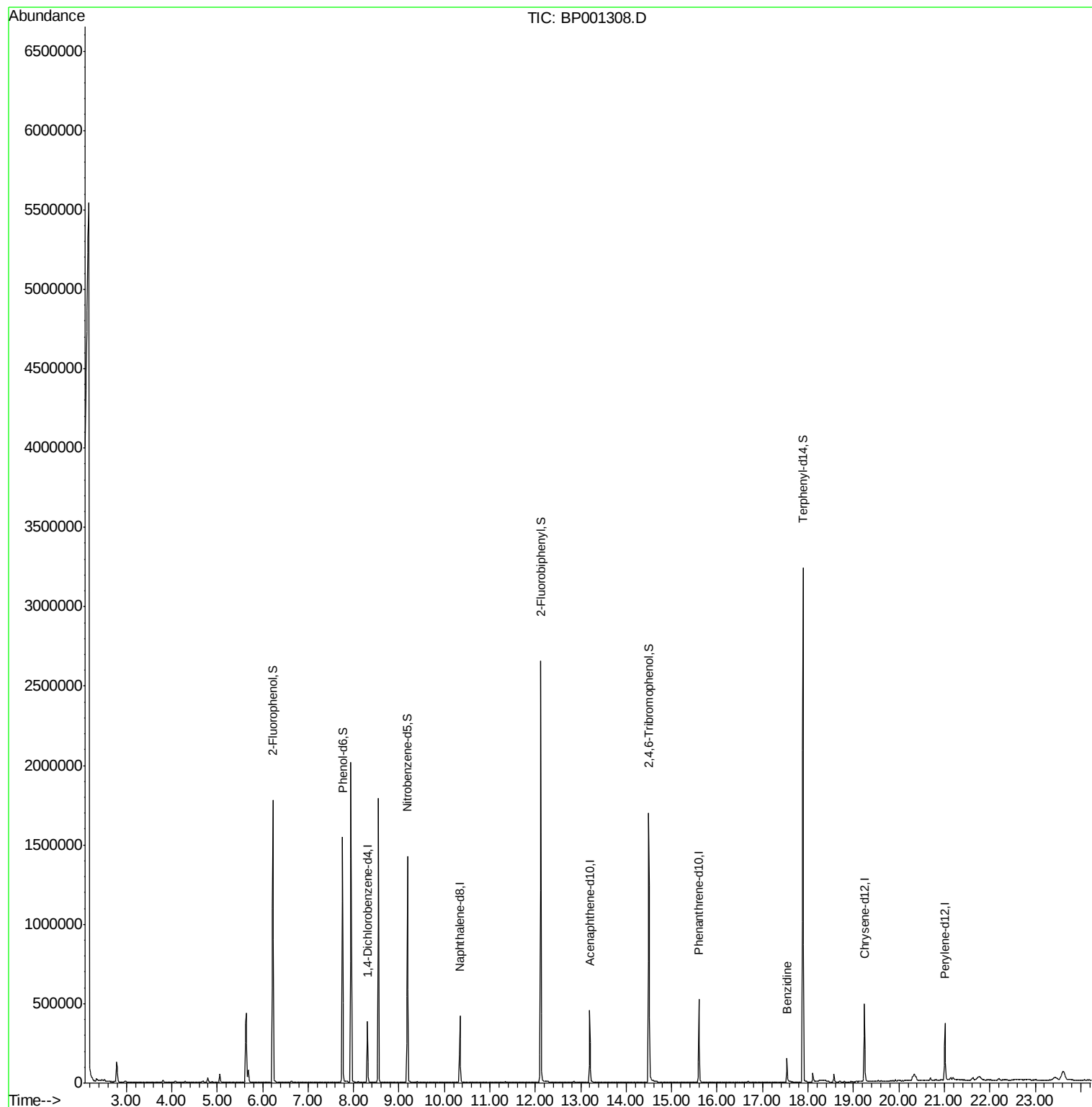
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	62124	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	218528	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	127517	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	249130	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	188923	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						
77) Benzidine	17.54	184	75532	15.485	ng	Qvalue 98

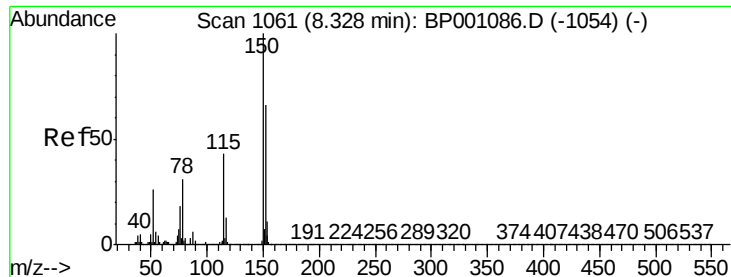
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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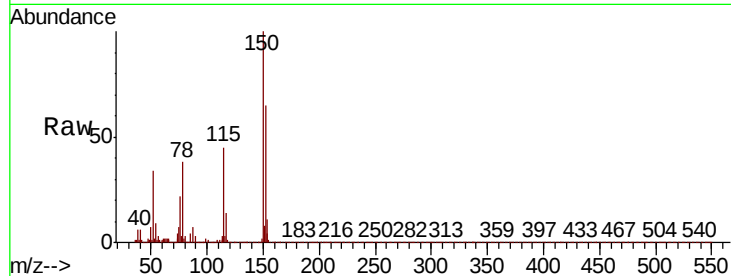




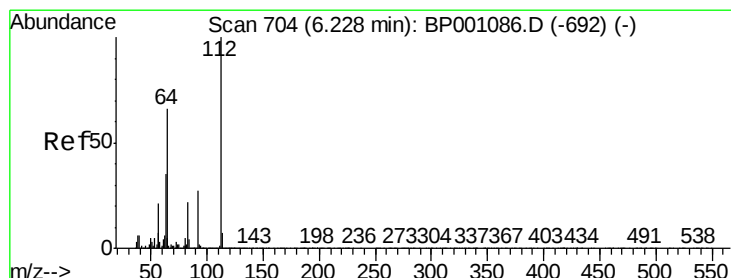
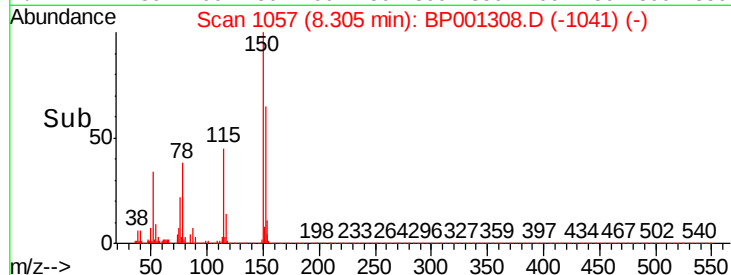
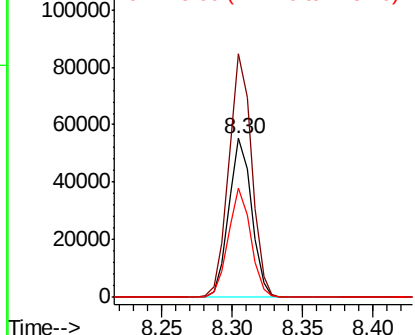
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BP001308.D
 Acq: 11 Dec 2019 10:53

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

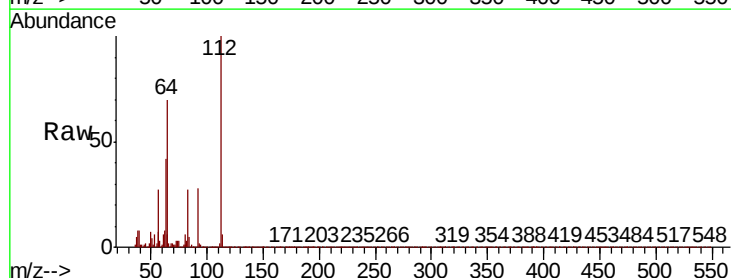


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

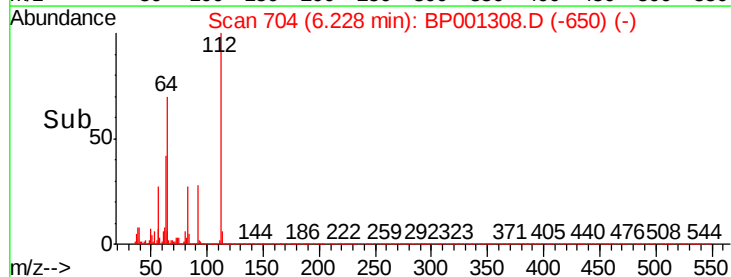
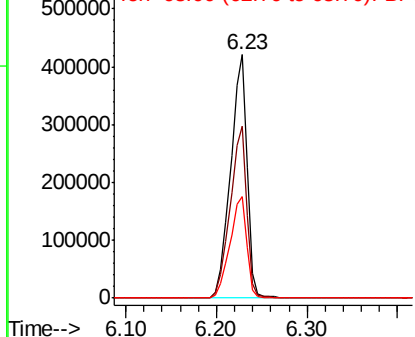


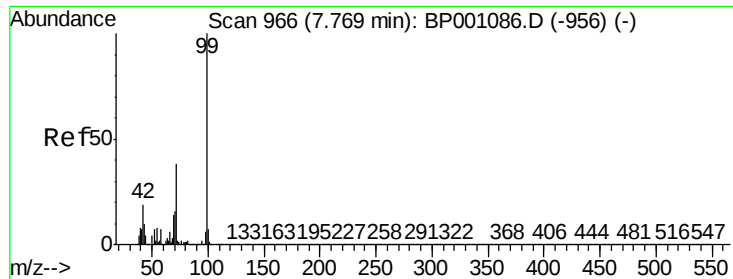
#5
 2-Fluorophenol
 Concen: 143.354 ng
 RT: 6.23 min Scan# 704
 Delta R.T. 0.02 min
 Lab File: BP001308.D
 Acq: 11 Dec 2019 10:53

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 :

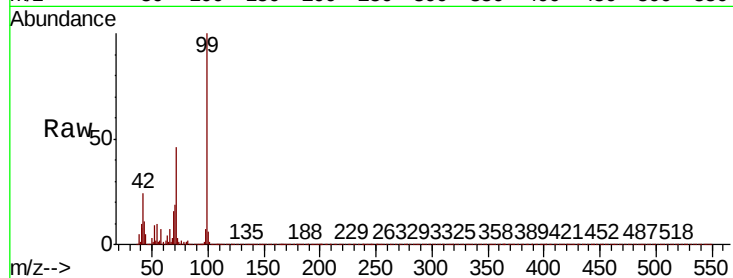
BNA_P

ClientSampleId :

SOIL-COMP-1

Tot Ion: 99 Resp: 634337

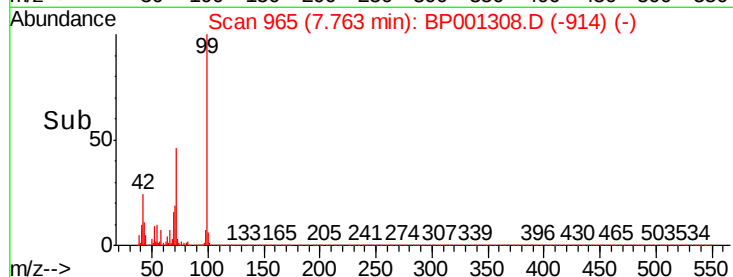
Ion	Ratio	Lower	Upper
99	100		
42	23.8	17.6	26.4
71	45.6	33.8	50.8



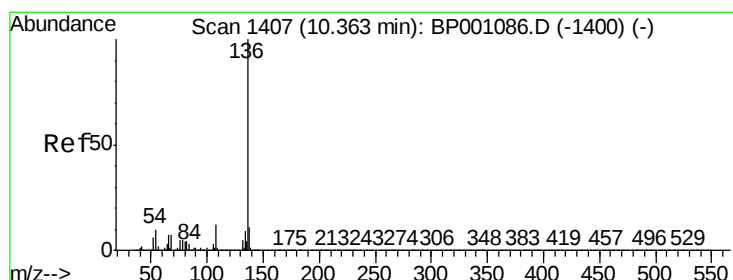
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1403

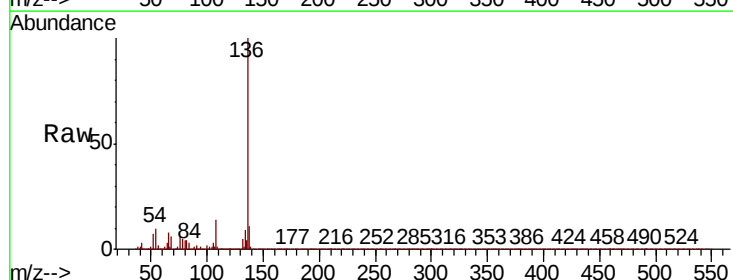
Delta R.T. -0.01 min

Lab File: BP001308.D

Acq: 11 Dec 2019 10:53

Tgt 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

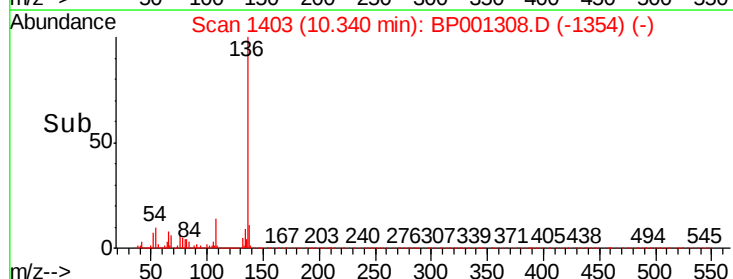


Abundance Ion 136.00 (135.70 to 136.70): E

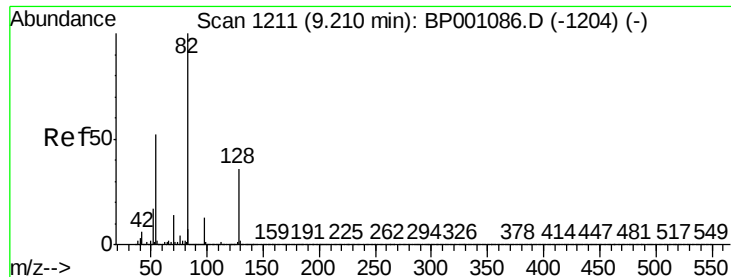
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



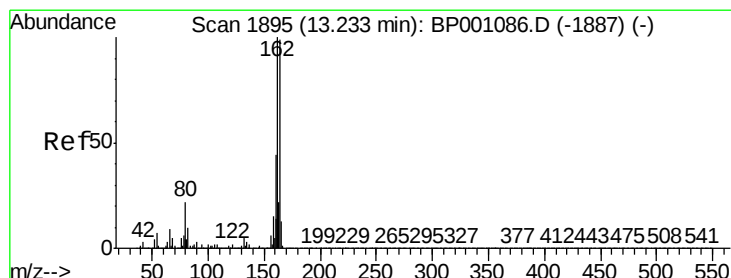
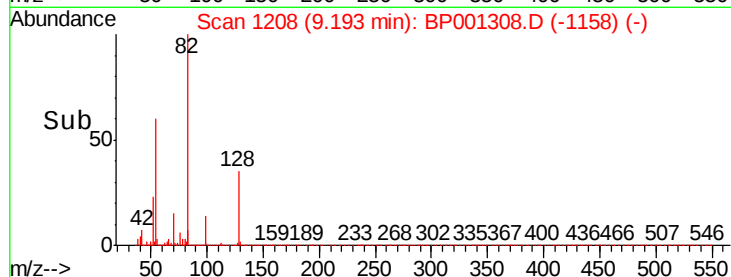
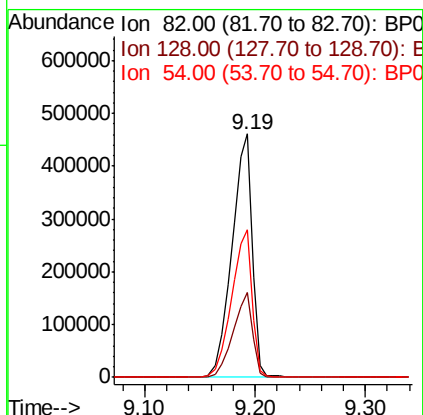
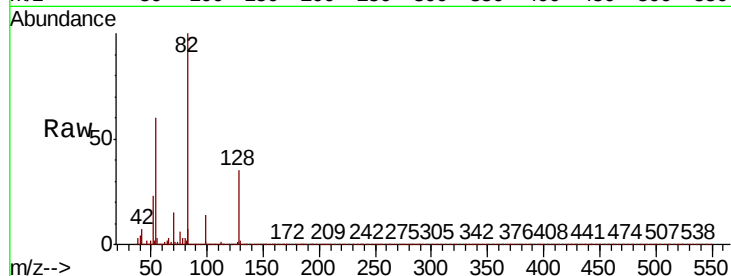
Time-->



#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

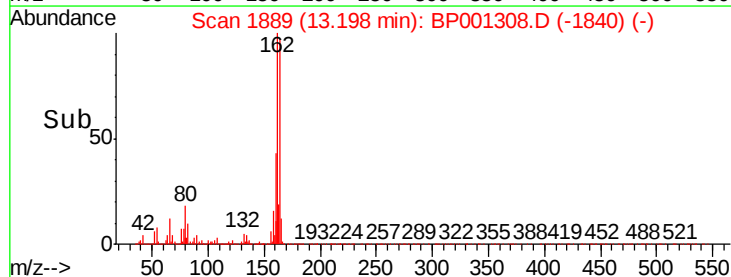
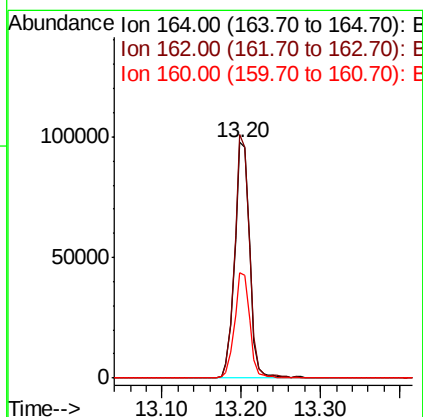
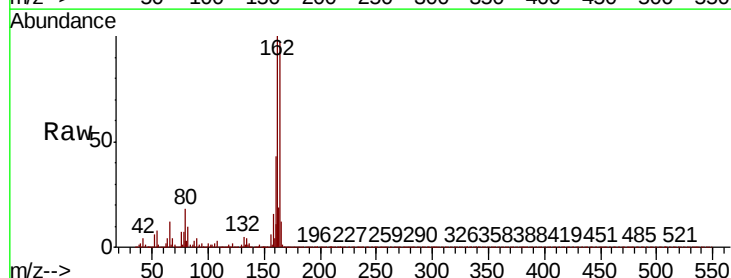
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP-1

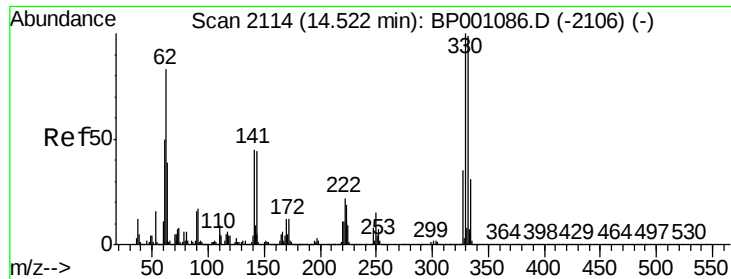
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.1	27.5	41.3
54	60.4	45.7	68.5



#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

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.7	121.1
160	44.8	36.3	54.5

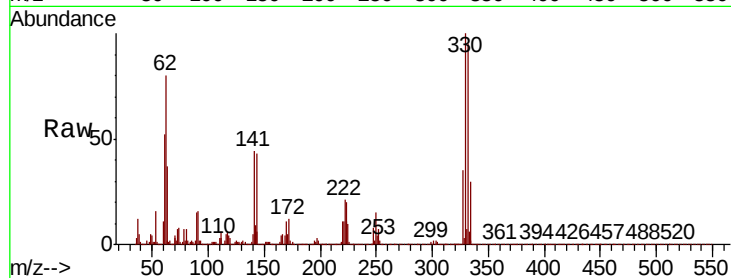




#42
2,4,6-Tribromophenol
Concen: 189.604 ng
RT: 14.50 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BP001308.D
Acq: 11 Dec 2019 10:53

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	79.1	118.7
141	44.4	35.9	53.9

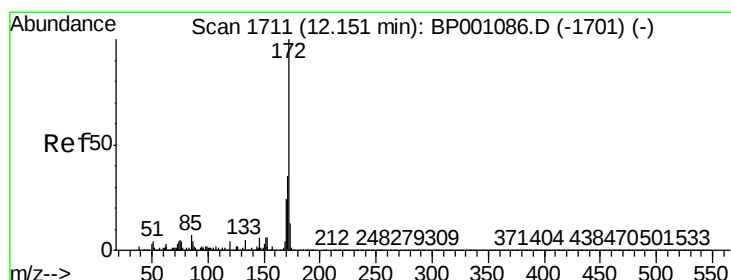
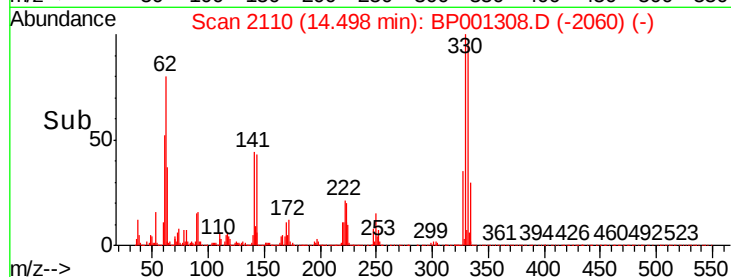
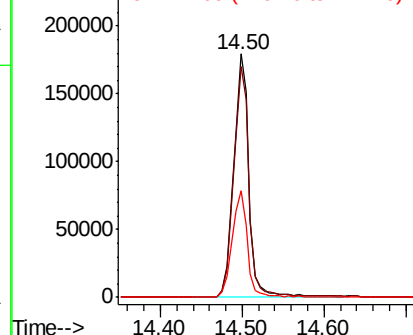


Abundance

Ion 329.80 (329.50 to 330.50): E

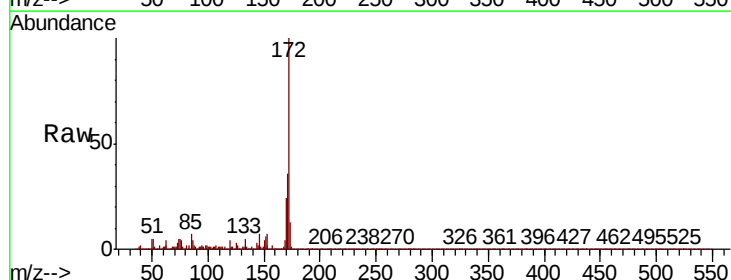
Ion 331.80 (331.50 to 332.50): E

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.2	19.2	28.8

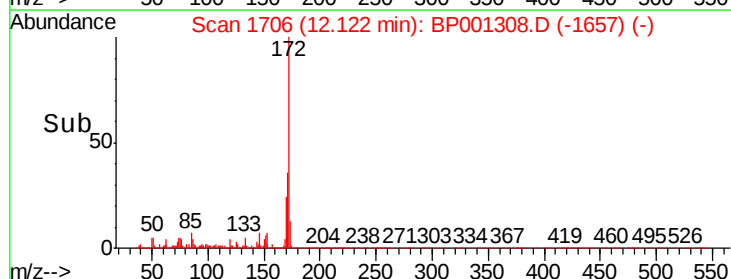
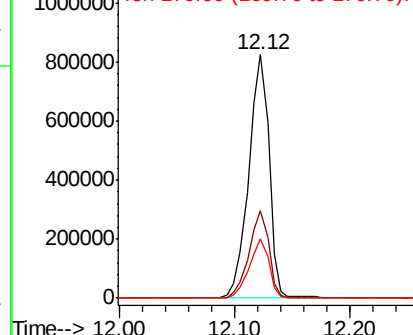


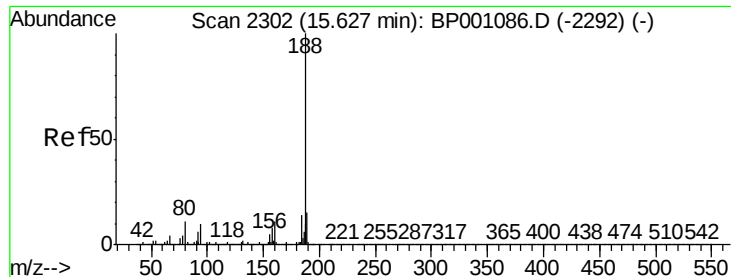
Abundance

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





#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

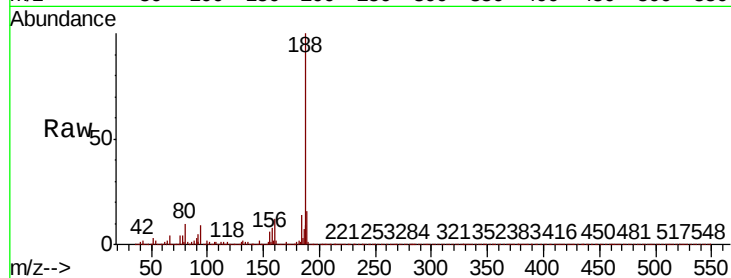
Tot Ion:188 Resp: 249130

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

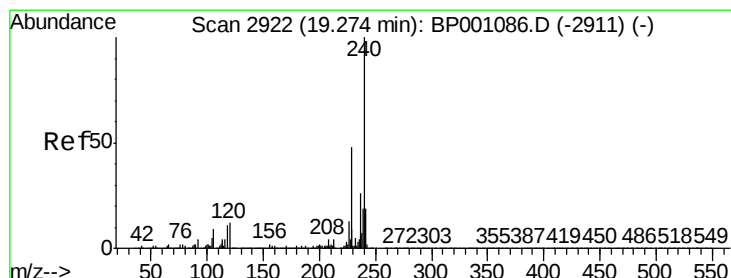
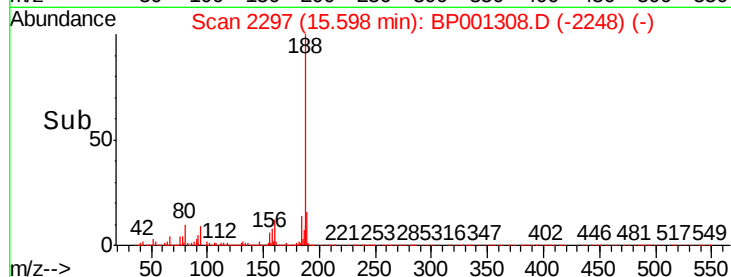
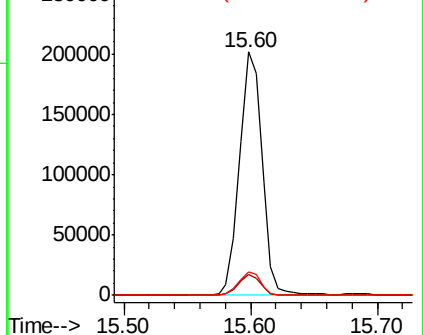
80 9.6 7.8 11.6



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



#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

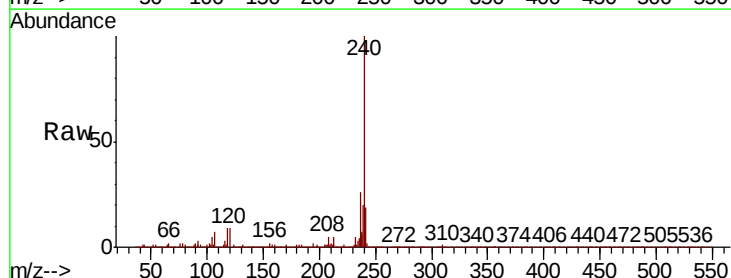
Tgt Ion:240 Resp: 188923

Ion Ratio Lower Upper

240 100

120 9.4 7.0 10.6

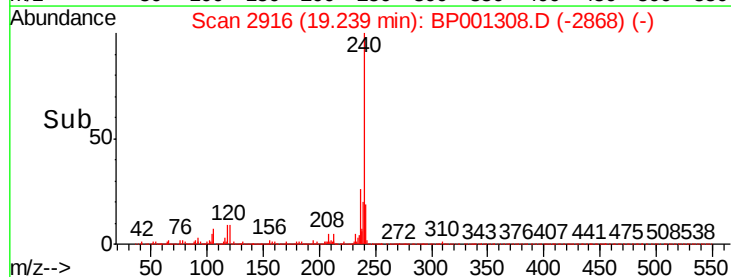
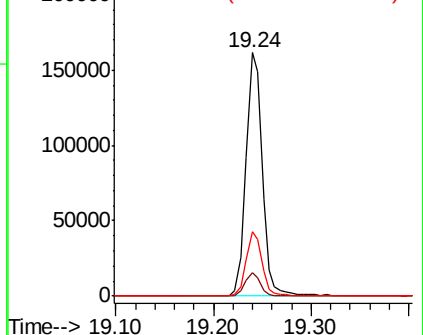
236 26.4 21.7 32.5

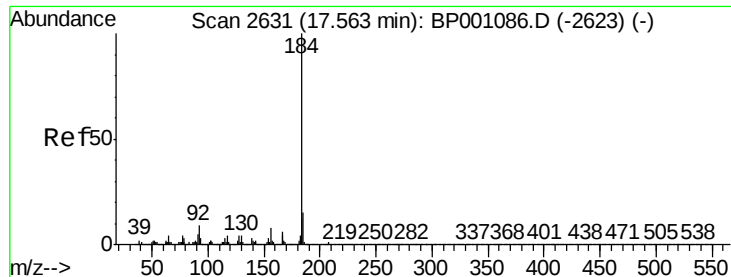


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#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

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP-1

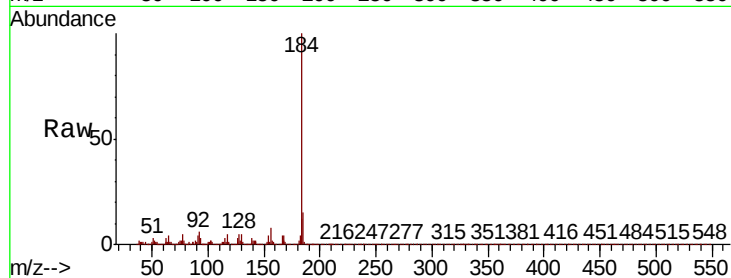
Tot Ion:184 Resp: 75532

Ion Ratio Lower Upper

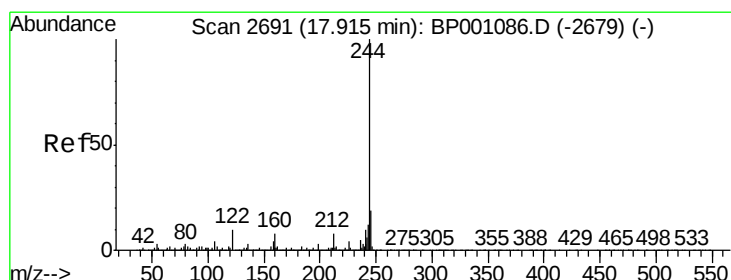
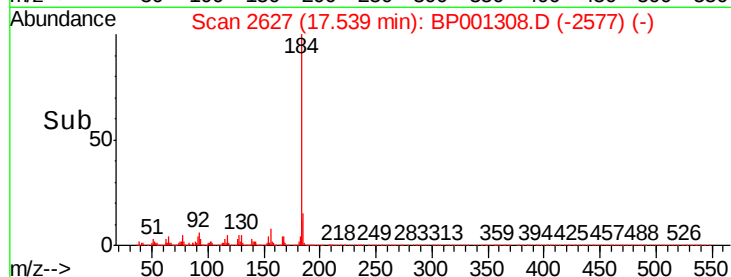
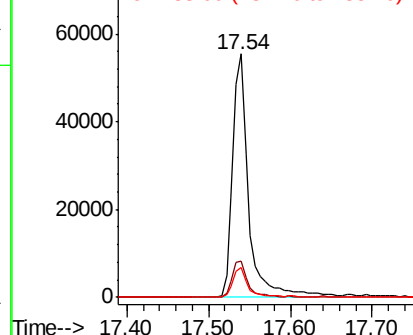
184 100

185 14.8 11.4 17.0

183 12.3 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#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

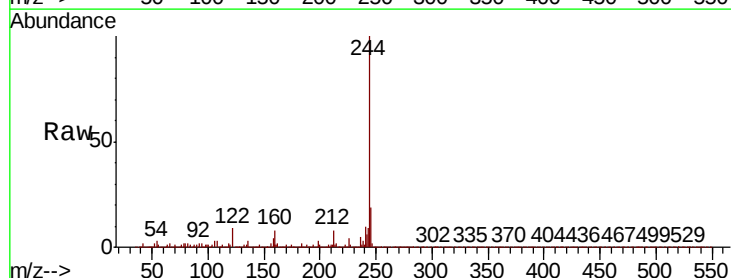
Tgt Ion:244 Resp: 1332949

Ion Ratio Lower Upper

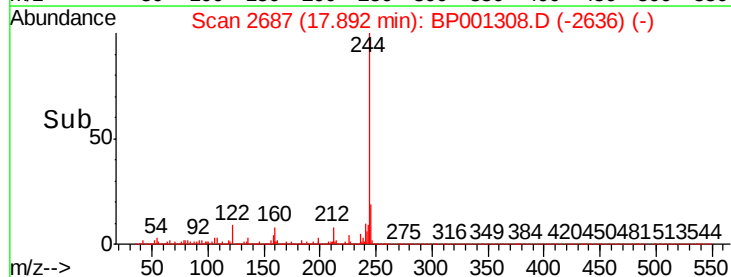
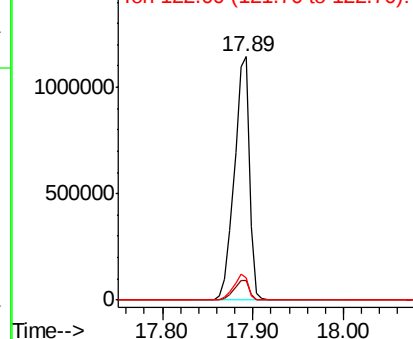
244 100

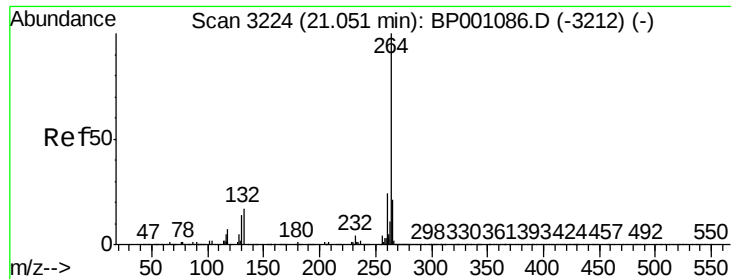
212 7.9 6.6 9.8

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

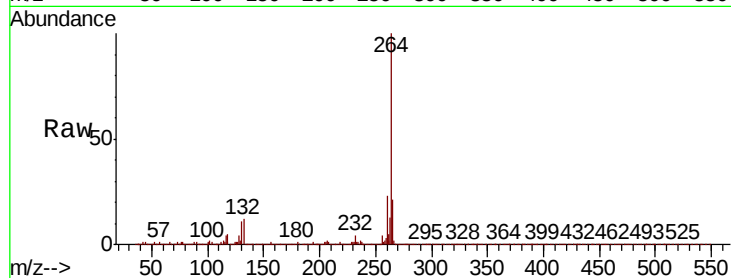




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 21.02 min Scan# 3218
 Delta R.T. -0.01 min
 Lab File: BP001308.D
 Acq: 11 Dec 2019 10:53

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP-1

Tot Ion	Ratio	Lower	Upper
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

