

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
 Data File : BP002732.D
 Acq On : 13 Jul 2020 12:57
 Operator : CG/JU
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 13 13:25:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	141725	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	590656	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	374192	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	796350	20.00	ng	0.00
76) Chrysene-d12	21.07	240	797500	20.00	ng	0.00
86) Perylene-d12	23.26	264	783099	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	856970	102.02	ng	0.00
7) Phenol-d6	6.75	99	1233932	102.93	ng	0.00
23) Nitrobenzene-d5	8.70	82	832505	75.38	ng	0.00
42) 2,4,6-Tribromophenol	15.71	330	406940	104.18	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1862744	77.01	ng	0.00
79) Terphenyl-d14	19.55	244	2204165	63.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	40059	10.938	ng	99
3) Pyridine	3.52	79	83864	7.684	ng	98
4) n-Nitrosodimethylamine	3.43	42	38333	9.323	ng	92
6) Aniline	6.89	93	145532	9.589	ng	99
8) 2-Chlorophenol	7.13	128	88541	9.474	ng	98
9) Benzaldehyde	6.70	77	82246	12.627	ng	96
10) Phenol	6.78	94	117104	9.536	ng	97
11) bis(2-Chloroethyl)ether	6.99	93	94511	9.253	ng	99
12) 1,3-Dichlorobenzene	7.45	146	99818	9.314	ng	98
13) 1,4-Dichlorobenzene	7.59	146	101566	9.444	ng	99
14) 1,2-Dichlorobenzene	7.90	146	98494	9.497	ng	98
15) Benzyl Alcohol	7.80	79	66085	8.238	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.09	45	136007	9.258	ng	99
17) 2-Methylphenol	8.02	107	73267	8.374	ng	98
18) Hexachloroethane	8.62	117	34483	9.052	ng	93
19) n-Nitroso-di-n-propylamine	8.36	70	69611	9.535	ng	96
20) 3+4-Methylphenols	8.35	107	96904	8.376	ng	97
22) Acetophenone	8.37	105	144810	9.945	ng	97
24) Nitrobenzene	8.74	77	109412	9.148	ng	99
25) Isophorone	9.26	82	189061	8.400	ng	100
26) 2-Nitrophenol	9.46	139	39512	7.649	ng	96
27) 2,4-Dimethylphenol	9.53	122	77294	9.216	ng	98
28) bis(2-Chloroethoxy)methane	9.76	93	123779	9.054	ng	99
29) 2,4-Dichlorophenol	10.00	162	77256	8.355	ng	98
30) 1,2,4-Trichlorobenzene	10.20	180	94022	8.878	ng	100
31) Naphthalene	10.38	128	290809	9.326	ng	100
32) Benzoic acid	9.68	122	12370	8.688	ng	92
33) 4-Chloroaniline	10.50	127	111919	8.376	ng	99
34) Hexachlorobutadiene	10.68	225	52319	8.547	ng	99
35) Caprolactam	11.24	113	23392	7.236	ng	92
36) 4-Chloro-3-methylphenol	11.65	107	82828	8.310	ng	99
37) 2-Methylnaphthalene	12.00	142	206006	9.362	ng	96
38) 1-Methylnaphthalene	12.22	142	196979	9.464	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	107749	9.370	ng	99

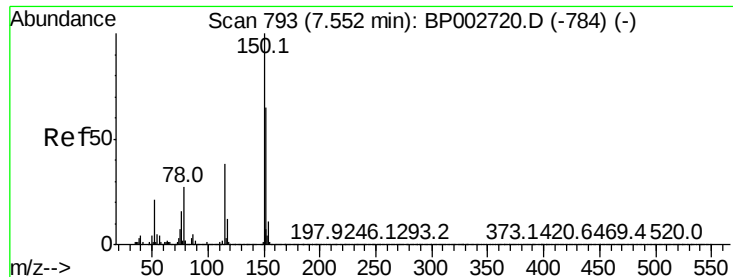
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.36	237	17621	10.572	ng	95
43) 2,4,6-Trichlorophenol	12.64	196	56835	7.721	ng	99
44) 2,4,5-Trichlorophenol	12.72	196	62611	7.334	ng	96
46) 1,1'-Biphenyl	13.03	154	276067	9.896	ng	99
47) 2-Chloronaphthalene	13.07	162	200760	8.860	ng	98
48) 2-Nitroaniline	13.29	65	49451	7.060	ng	96
49) Acenaphthylene	13.92	152	325520	9.113	ng	98
50) Dimethylphthalate	13.67	163	249265	8.735	ng	99
51) 2,6-Dinitrotoluene	13.79	165	48443	7.929	ng	96
52) Acenaphthene	14.27	154	194230	9.099	ng	100
53) 3-Nitroaniline	14.12	138	47972	7.018	ng	95
54) 2,4-Dinitrophenol	14.37	184	3704	12.306	ng	95
55) Dibenzofuran	14.61	168	317804	9.282	ng	98
56) 4-Nitrophenol	14.49	139	23070	8.922	ng	94
57) 2,4-Dinitrotoluene	14.59	165	61860	7.688	ng	92
58) Fluorene	15.26	166	248909	9.825	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.85	232	53442	7.941	ng	99
60) Diethylphthalate	15.05	149	239294	8.649	ng	98
61) 4-Chlorophenyl-phenylether	15.26	204	127448	9.468	ng	100
62) 4-Nitroaniline	15.29	138	48650	7.874	ng	94
63) Azobenzene	15.56	77	253788	8.921	ng	98
65) 4,6-Dinitro-2-methylphenol	15.37	198	21414	9.272	ng	91
66) n-Nitrosodiphenylamine	15.48	169	218445	9.286	ng	98
67) 4-Bromophenyl-phenylether	16.16	248	71905	8.289	ng	99
68) Hexachlorobenzene	16.28	284	81753	8.945	ng	99
69) Atrazine	16.45	200	67936	10.578	ng	98
70) Pentachlorophenol	16.64	266	12832	10.074	ng	98
71) Phenanthrene	17.00	178	407596	9.453	ng	98
72) Anthracene	17.10	178	397447	9.393	ng	99
73) Carbazole	17.37	167	364736	8.785	ng	99
74) Di-n-butylphthalate	17.95	149	363661	8.076	ng	99
75) Fluoranthene	18.99	202	461859	9.244	ng	99
77) Benzidine	19.19	184	161219	8.156	ng	100
78) Pyrene	19.35	202	489792	8.895	ng	98
80) Butylbenzylphthalate	20.24	149	154121	7.093	ng	96
81) Benzo(a)anthracene	21.06	228	465739	9.022	ng	99
82) 3,3'-Dichlorobenzidine	21.00	252	150045	8.776	ng	99
83) Chrysene	21.11	228	444228	9.040	ng	99
84) Bis(2-ethylhexyl)phthalate	21.01	149	239325	7.919	ng	100
85) Di-n-octyl phthalate	21.87	149	389759	7.174	ng	97
87) Indeno(1,2,3-cd)pyrene	25.46	276	509846	9.008	ng	98
88) Benzo(b)fluoranthene	22.61	252	427015	8.782	ng	99
89) Benzo(k)fluoranthene	22.65	252	459757	9.599	ng	99
90) Benzo(a)pyrene	23.17	252	393948	8.549	ng	98
91) Dibenzo(a,h)anthracene	25.47	278	421012	9.223	ng	98
92) Benzo(g,h,i)perylene	26.13	276	422223	9.123	ng	98

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

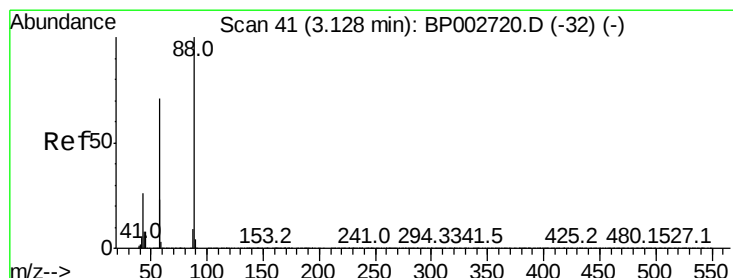
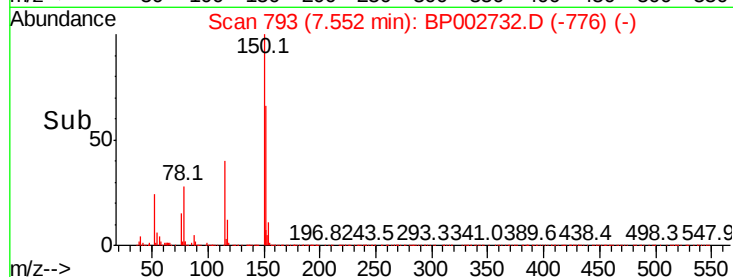
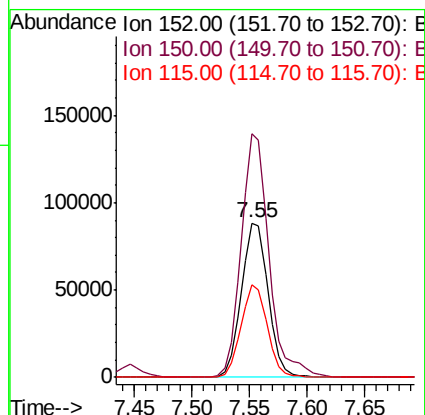
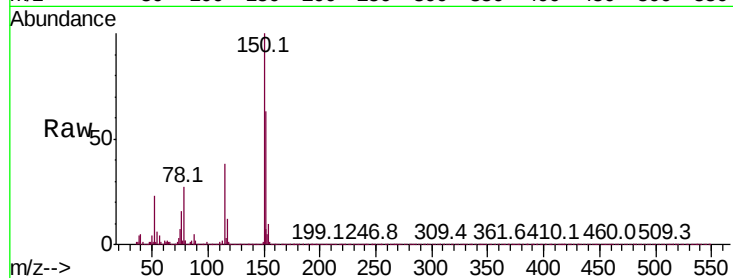


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

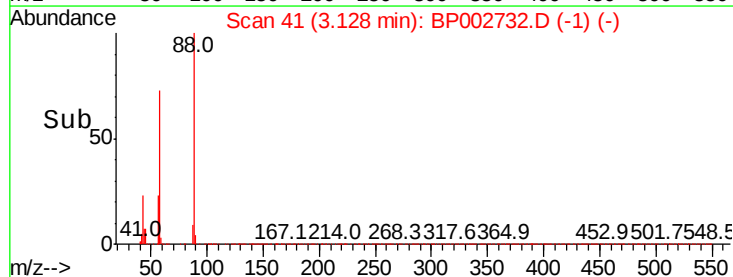
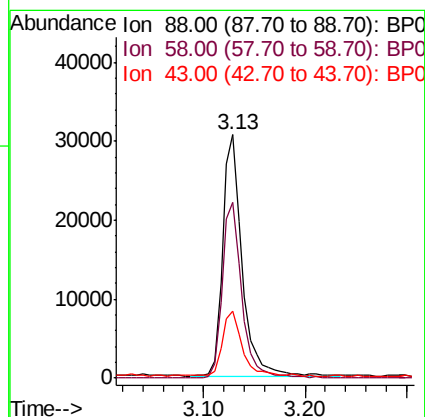
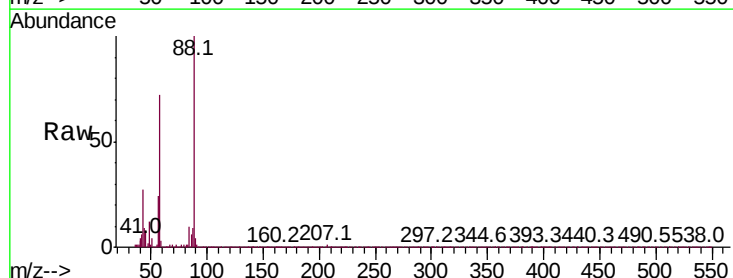
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.7	185.5
115	60.0	47.2	70.8

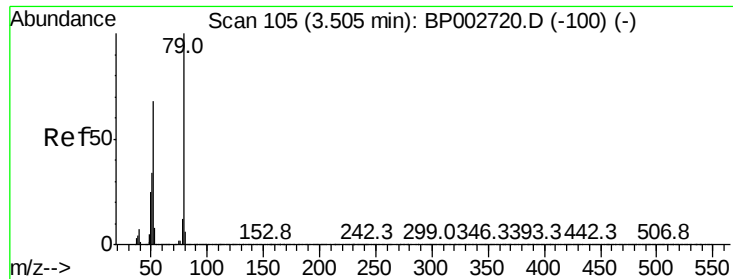


#2

1,4-Dioxane
Concen: 10.938 ng
RT: 3.13 min Scan# 41
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.3	58.2	87.4
43	26.7	21.5	32.3





#3

Pvridine

Concen: 7.684 ng

RT: 3.52 min Scan# 107

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

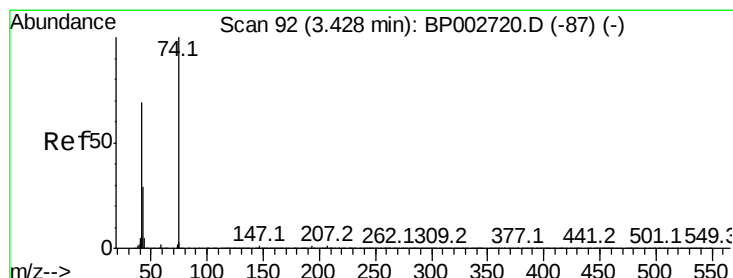
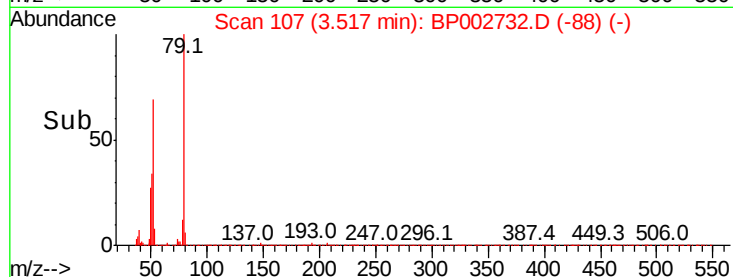
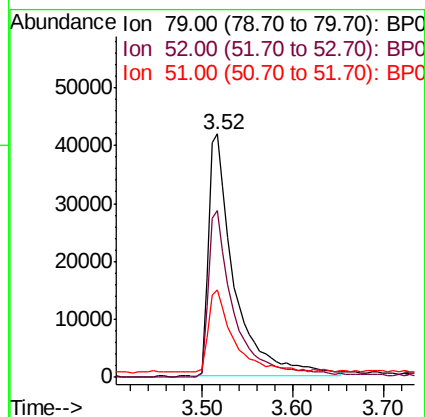
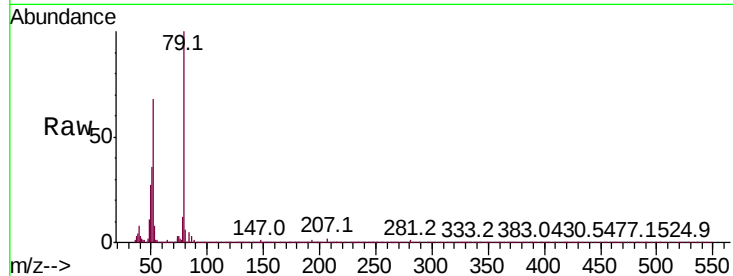
Tot Ion: 79 Resp: 83864

Ion Ratio Lower Upper

79 100

52 68.5 54.2 81.2

51 35.8 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 9.323 ng

RT: 3.43 min Scan# 93

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

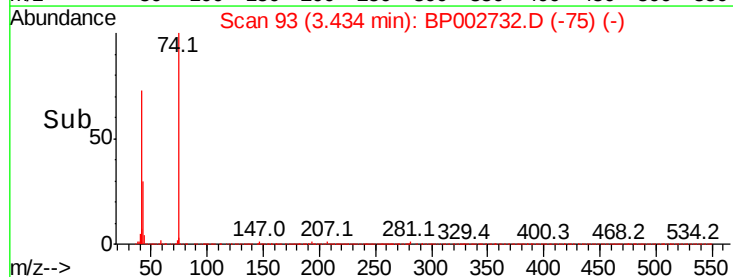
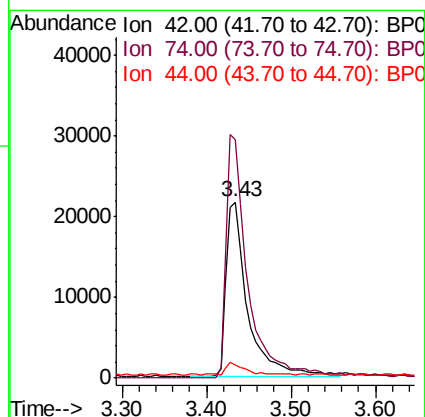
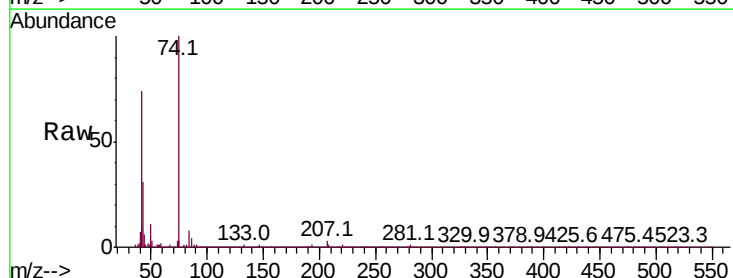
Tgt Ion: 42 Resp: 38333

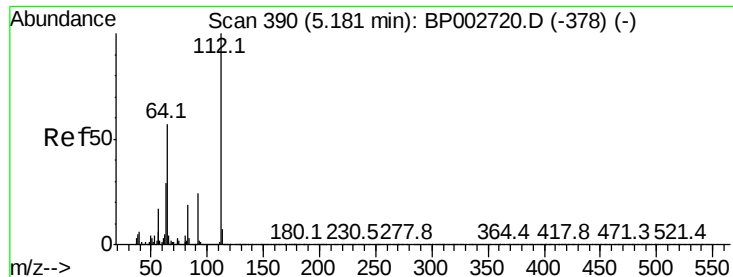
Ion Ratio Lower Upper

42 100

74 135.6 116.3 174.5

44 7.7 5.9 8.9





#5

2-Fluorophenol

Concen: 102.019 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

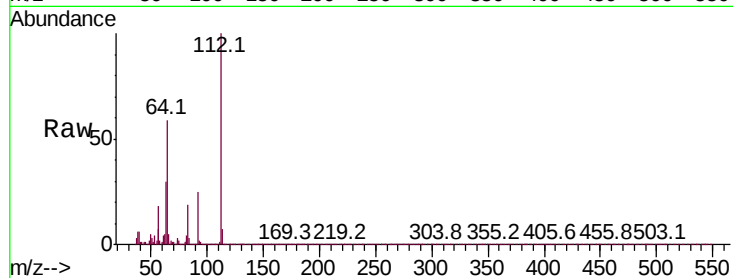
Tot Ion:112 Resp: 856970

Ion Ratio Lower Upper

112 100

64 58.9 45.6 68.4

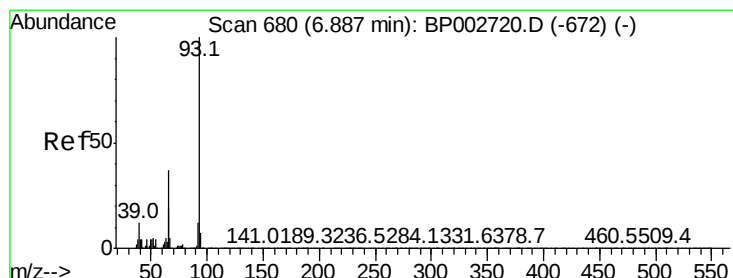
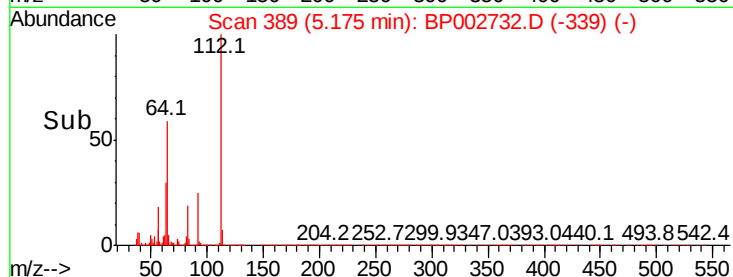
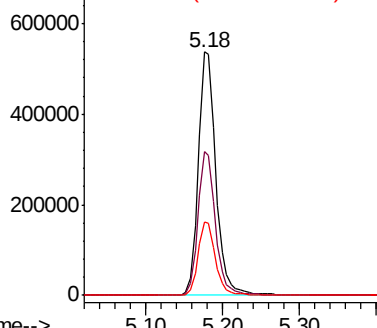
63 30.1 23.5 35.3



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



#6

Aniline

Concen: 9.589 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

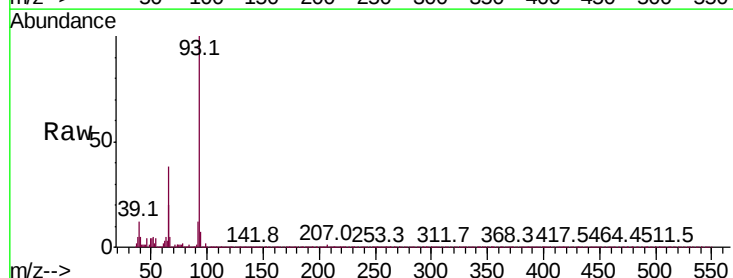
Tgt Ion: 93 Resp: 145532

Ion Ratio Lower Upper

93 100

66 37.5 30.1 45.1

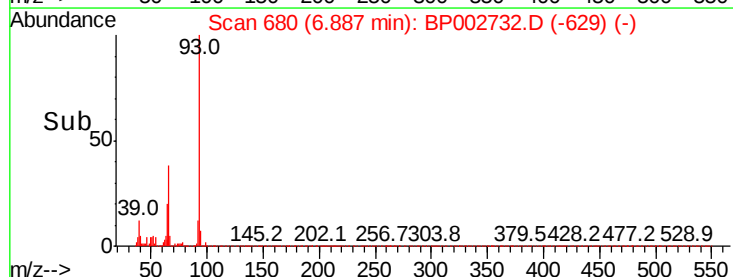
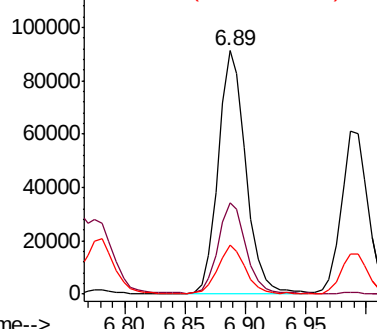
65 20.3 15.4 23.2

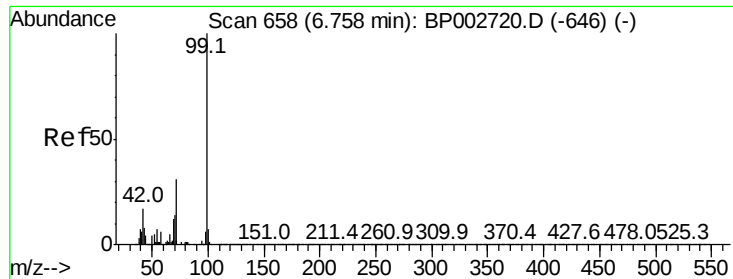


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 102.928 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

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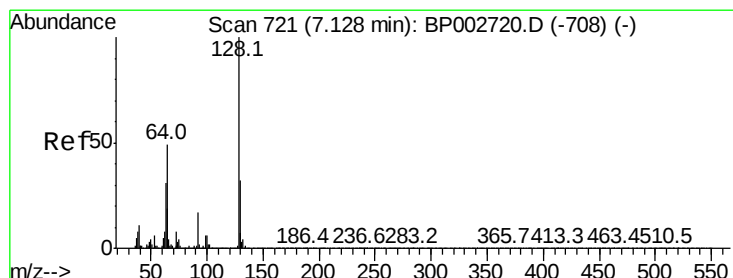
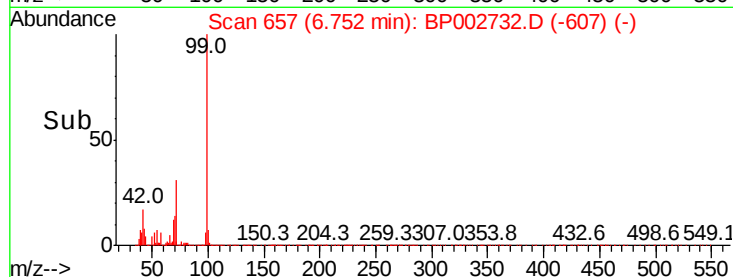
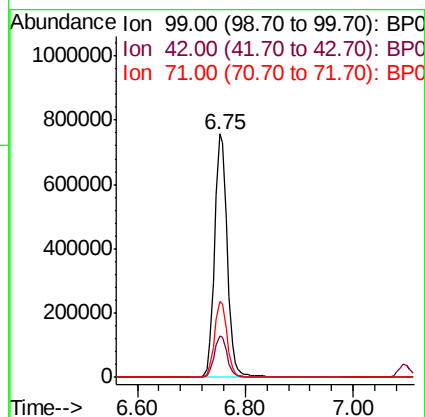
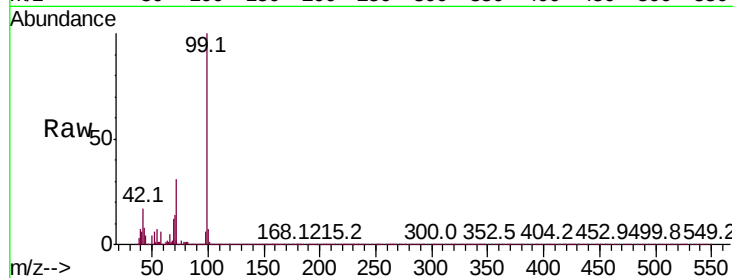
Tot Ion: 99 Resp: 1233932

Ion Ratio Lower Upper

99 100

42 17.0 13.4 20.2

71 31.3 24.6 36.8



#8

2-Chlorophenol

Concen: 9.474 ng

RT: 7.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

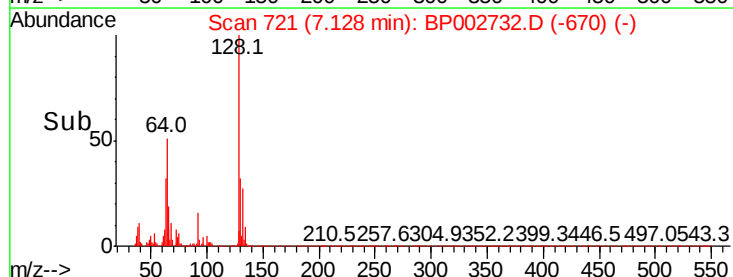
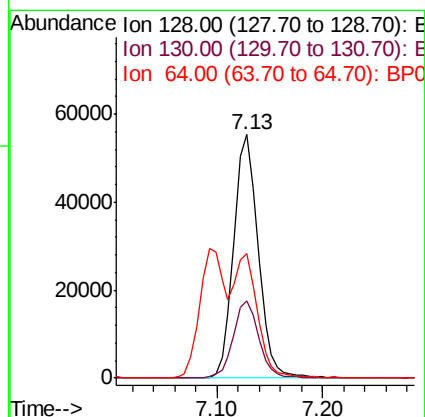
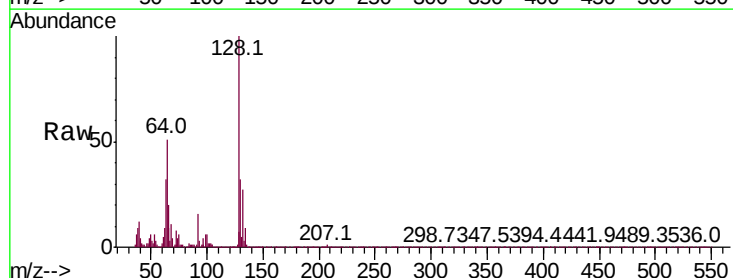
Tgt Ion: 128 Resp: 88541

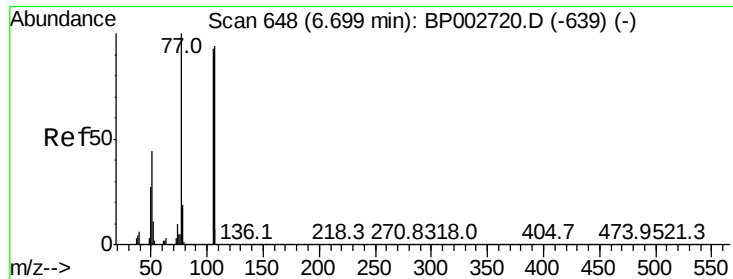
Ion Ratio Lower Upper

128 100

130 31.7 12.2 52.2

64 51.0 28.8 68.8





#9

Benzaldehyde

Concen: 12.627 ng

RT: 6.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

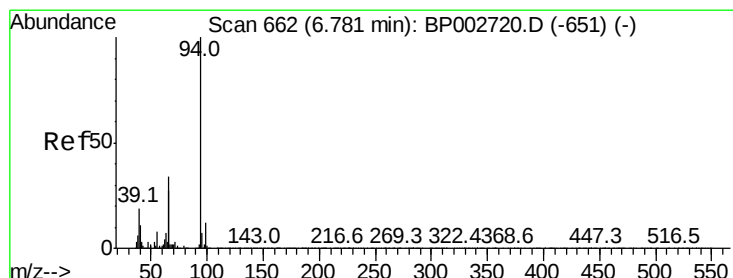
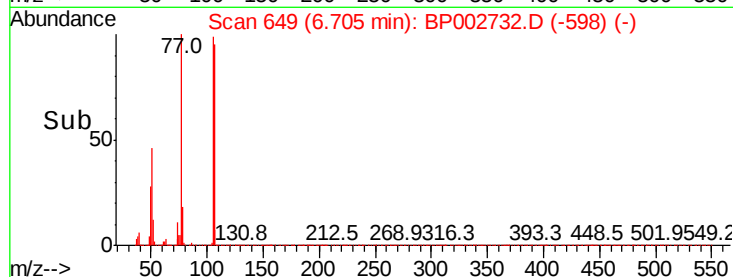
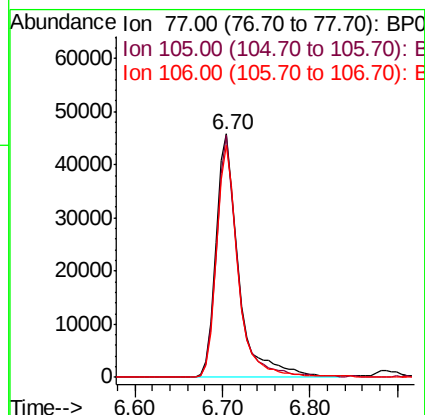
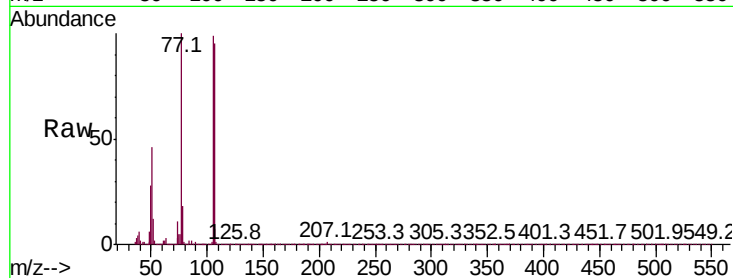
Tot Ion: 77 Resp: 82246

Ion Ratio Lower Upper

77 100

105 99.4 73.2 113.2

106 95.2 73.6 113.6



#10

Phenol

Concen: 9.536 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

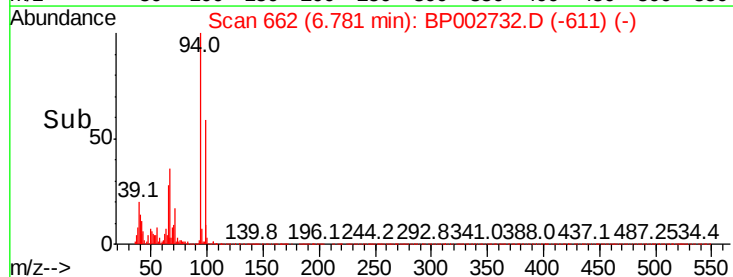
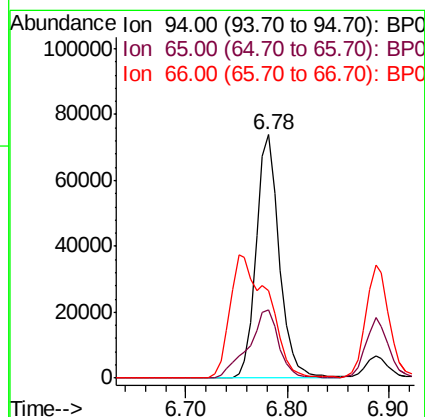
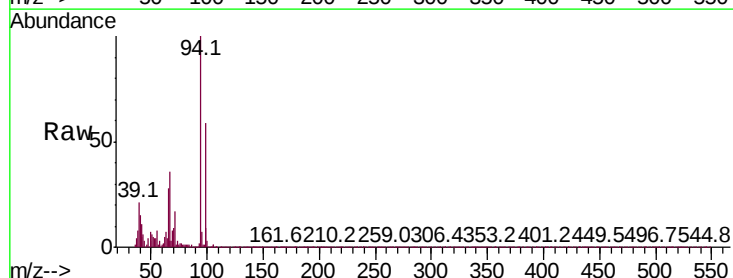
Tgt Ion: 94 Resp: 117104

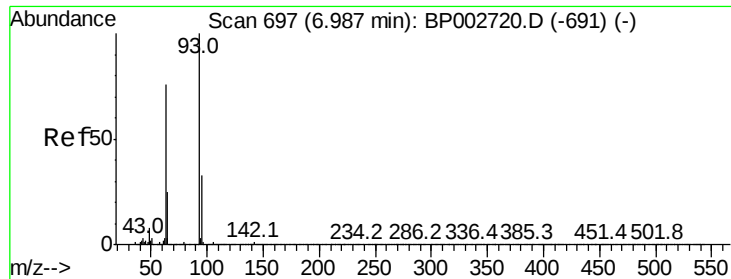
Ion Ratio Lower Upper

94 100

65 28.1 7.0 47.0

66 35.9 13.7 53.7

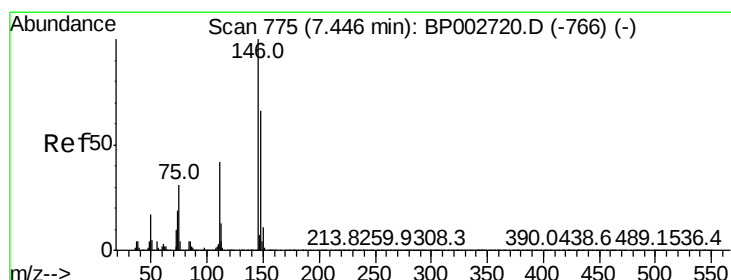
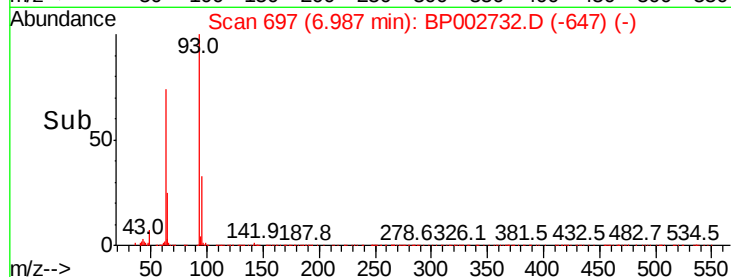
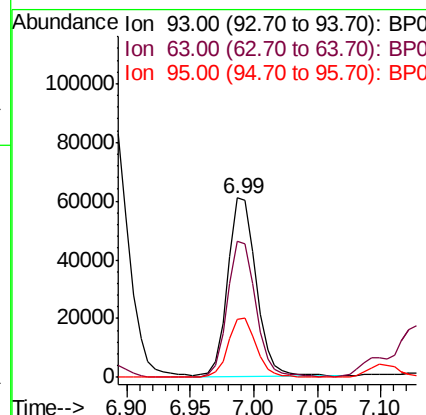
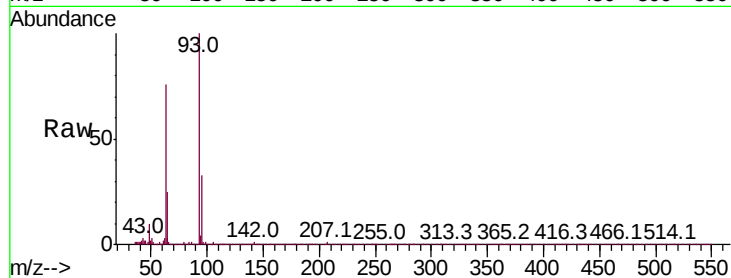




#11
bis(2-Chloroethyl)ether
Concen: 9.253 ng
RT: 6.99 min Scan# 697
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

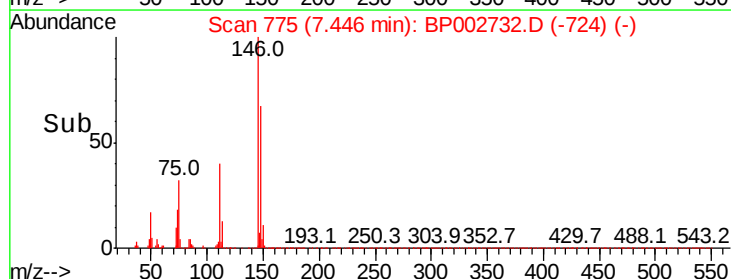
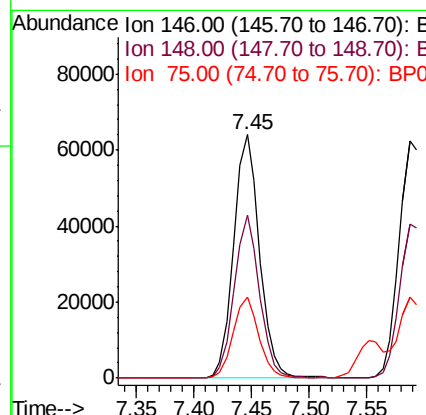
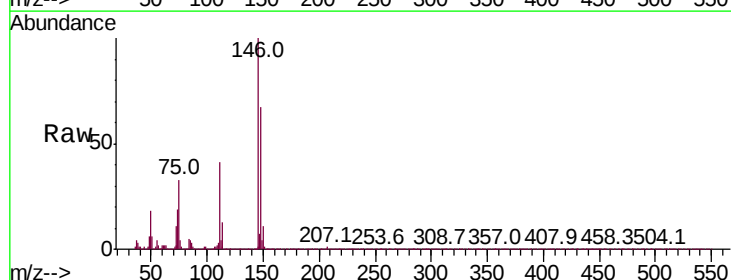
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

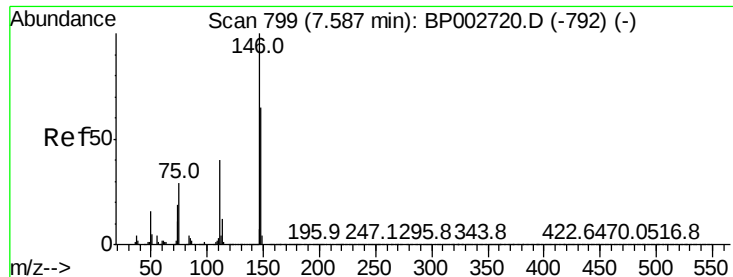
Tot Ion	Ratio	Lower	Upper
93	100		
63	75.7	55.1	95.1
95	32.6	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 9.314 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.7	52.6	78.8
75	33.1	25.2	37.8





#13

1,4-Dichlorobenzene

Concen: 9.444 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

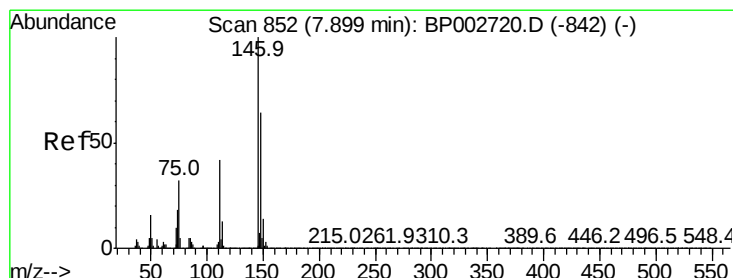
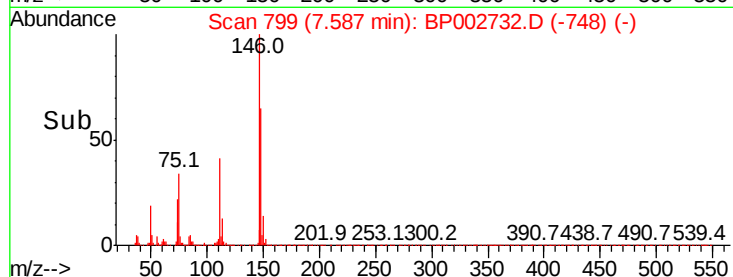
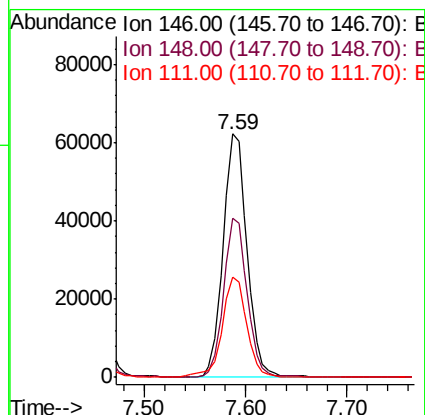
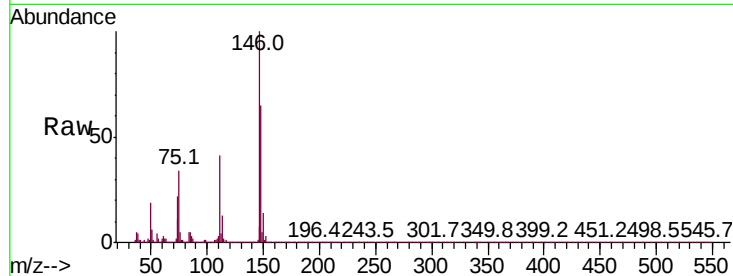
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:146 Resp: 101566

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.1	78.1
111	41.1	32.2	48.2



#14

1,2-Dichlorobenzene

Concen: 9.497 ng

RT: 7.90 min Scan# 853

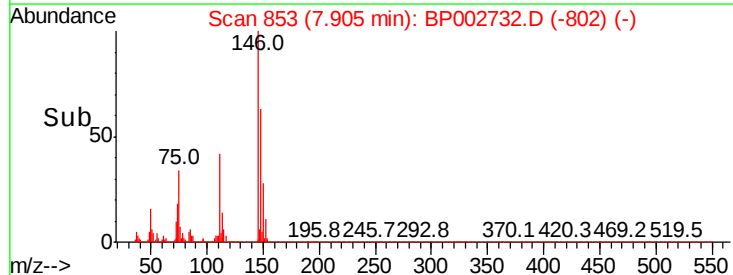
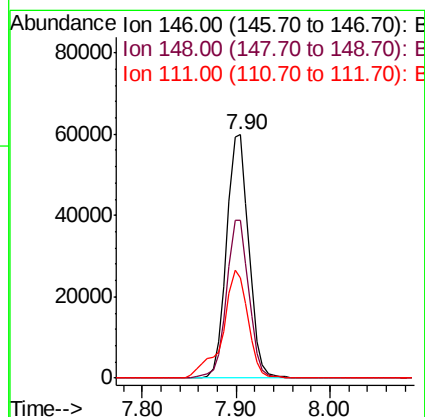
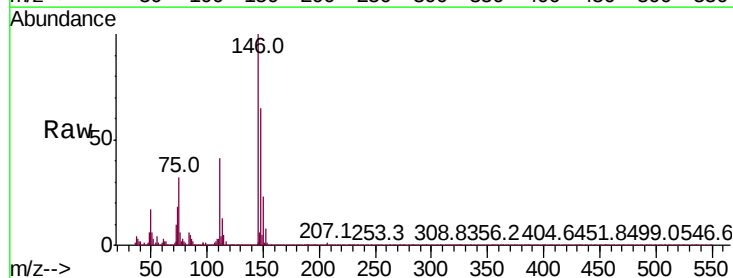
Delta R.T. 0.00 min

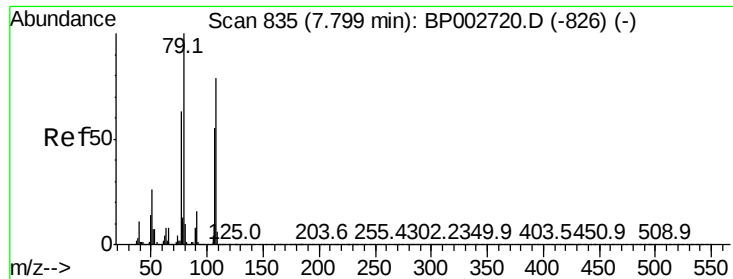
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:146 Resp: 98494

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
111	41.4	33.9	50.9





#15

Benzyl Alcohol

Concen: 8.238 ng

RT: 7.80 min Scan# 836

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

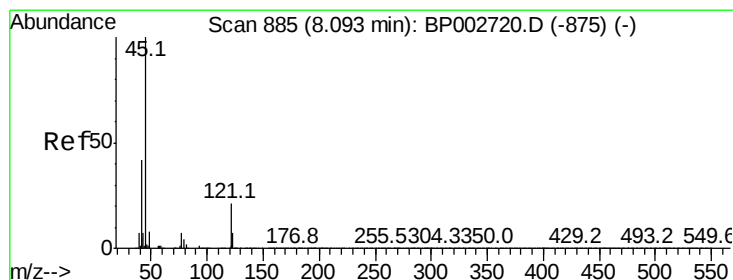
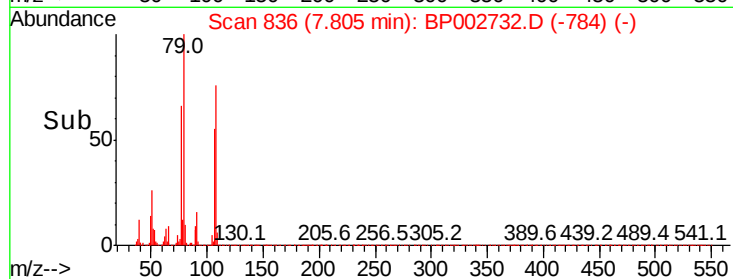
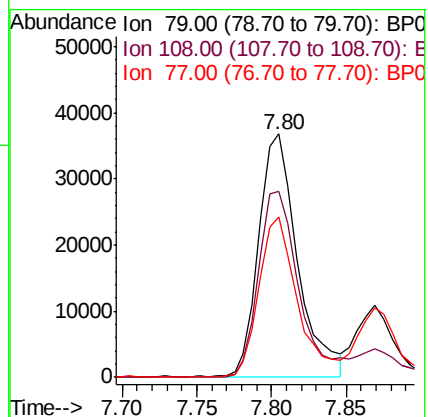
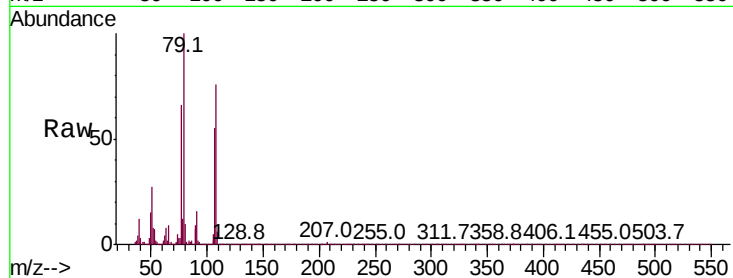
Tot Ion: 79 Resp: 66085

Ion Ratio Lower Upper

79 100

108 76.2 63.1 94.7

77 65.7 50.8 76.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.258 ng

RT: 8.09 min Scan# 884

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

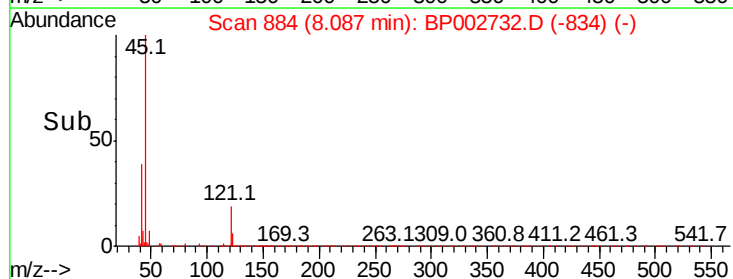
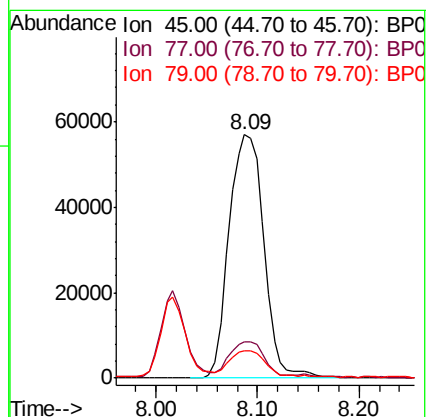
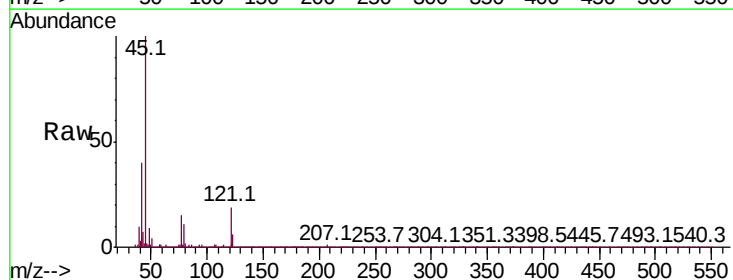
Tgt Ion: 45 Resp: 136007

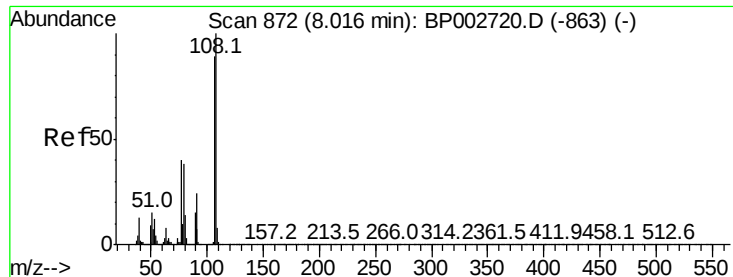
Ion Ratio Lower Upper

45 100

77 14.9 0.0 34.8

79 11.1 0.0 31.6

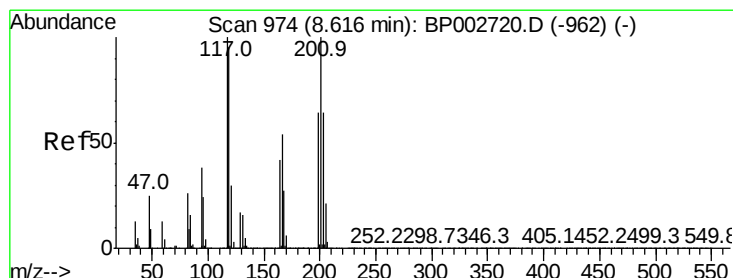
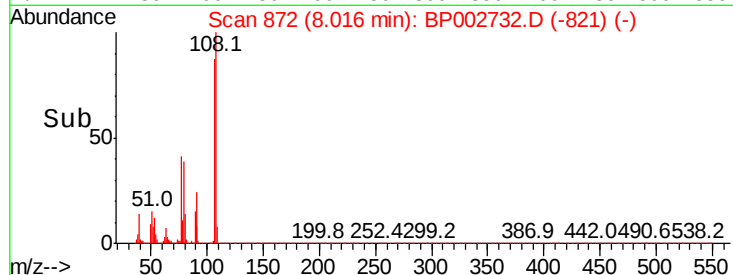
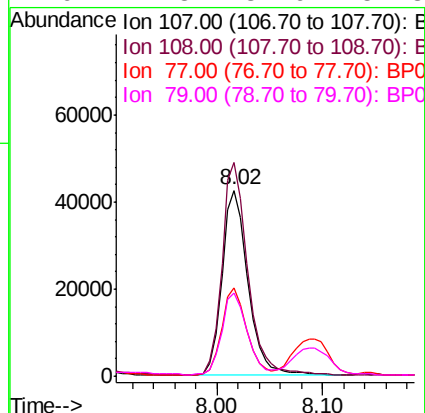
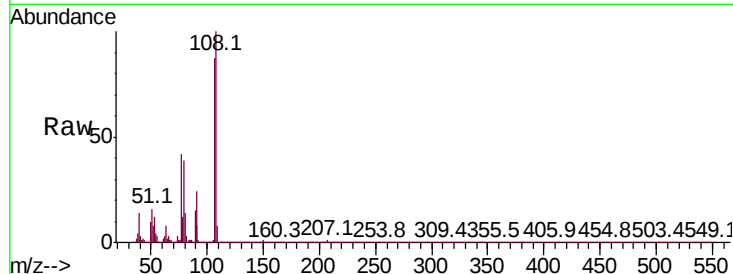




#17
2-Methylphenol
Concen: 8.374 ng
RT: 8.02 min Scan# 872
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

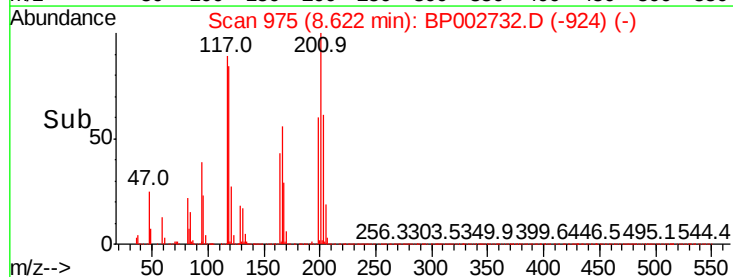
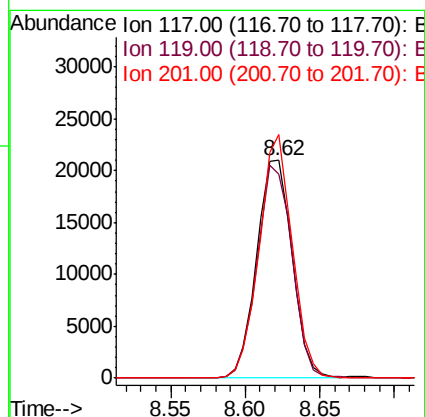
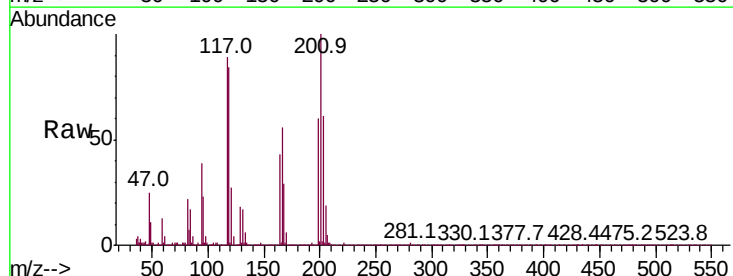
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

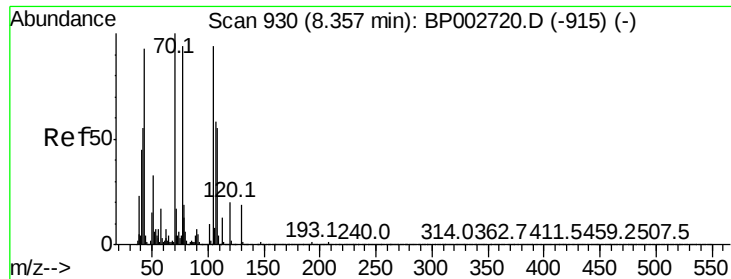
Tot Ion:	107	Resp:	73267
Ion	Ratio	Lower	Upper
107	100		
108	115.0	89.9	134.9
77	47.7	36.6	54.8
79	44.8	34.9	52.3



#18
Hexachloroethane
Concen: 9.052 ng
RT: 8.62 min Scan# 975
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:	117	Resp:	34483
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.6	115.0
201	111.9	80.3	120.5

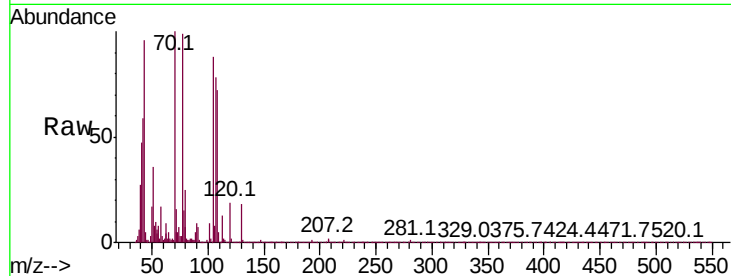




#19
n-Nitroso-di-n-propylamine
Concen: 9.535 ng
RT: 8.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	70	Resp:	69611
Ion	Ratio	Lower	Upper
70	100		
42	58.7	44.2	66.4
101	8.6	7.7	11.5
130	17.7	15.3	22.9



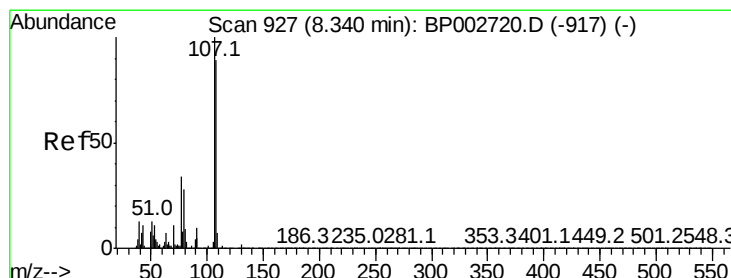
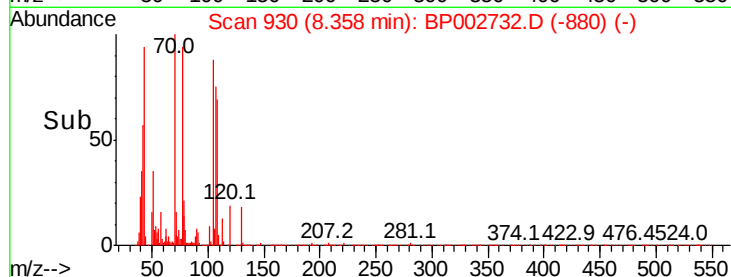
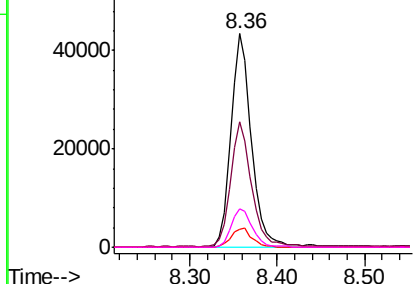
Abundance

Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

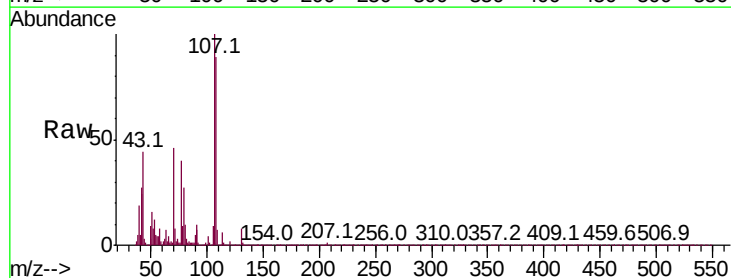
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 8.376 ng
RT: 8.35 min Scan# 928
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:	107	Resp:	96904
Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.5	109.5
77	40.1	14.3	54.3
79	27.5	7.7	47.7



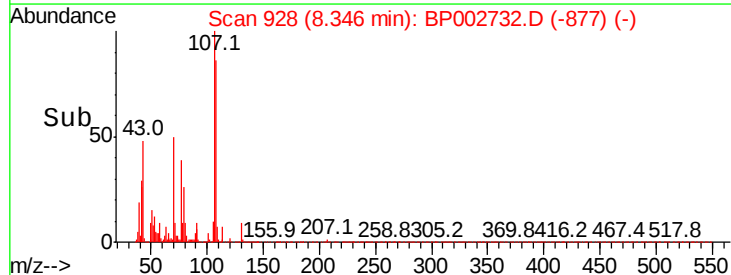
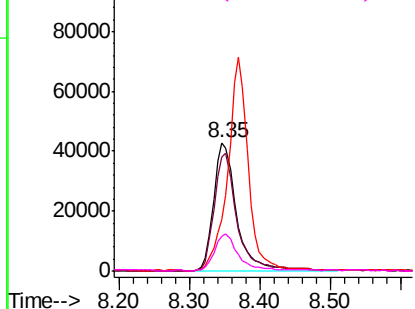
Abundance

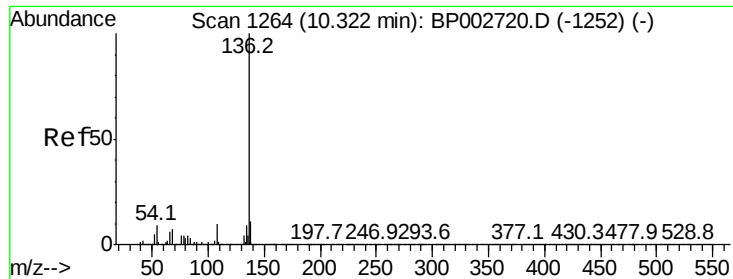
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:136 Resp: 590656

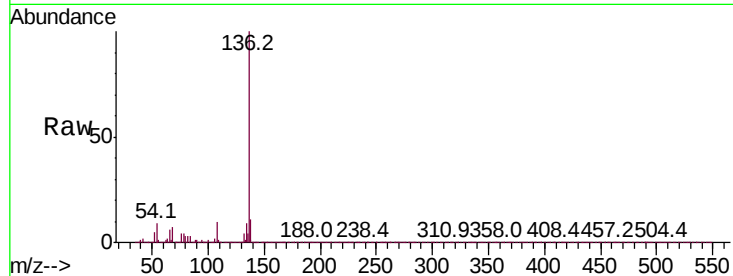
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.1 6.9 10.3

68 7.2 5.7 8.5

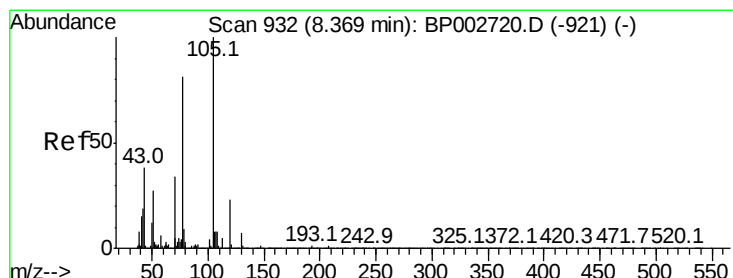
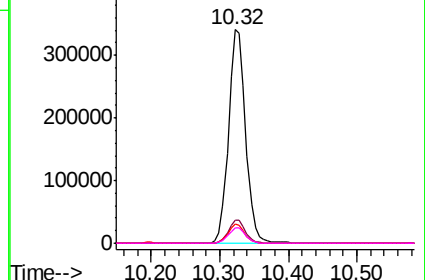
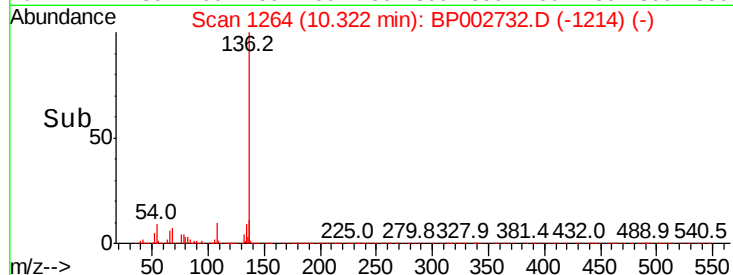


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 9.945 ng

RT: 8.37 min Scan# 932

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:105 Resp: 144810

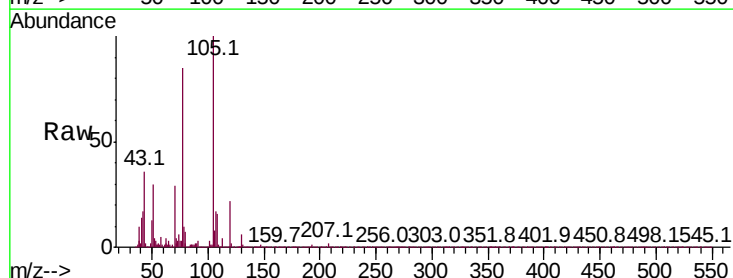
Ion Ratio Lower Upper

105 100

71 4.5 4.4 6.6

51 29.8 21.8 32.8

120 22.2 18.2 27.2

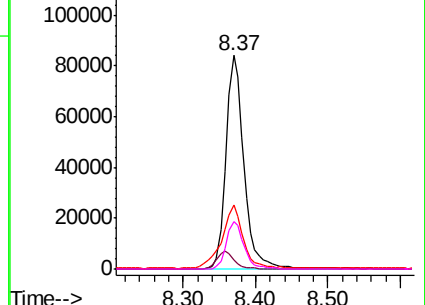
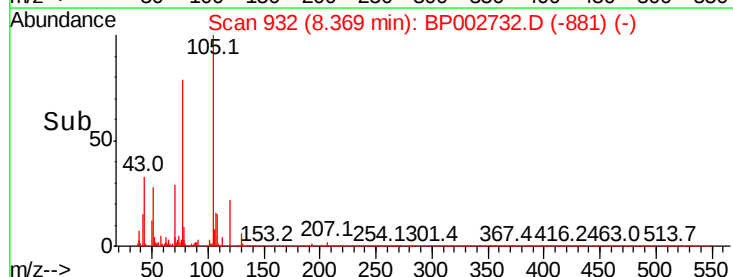


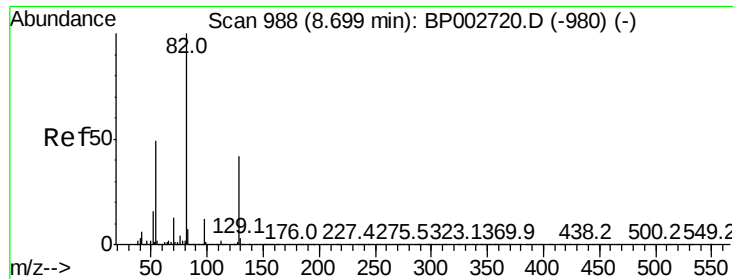
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E

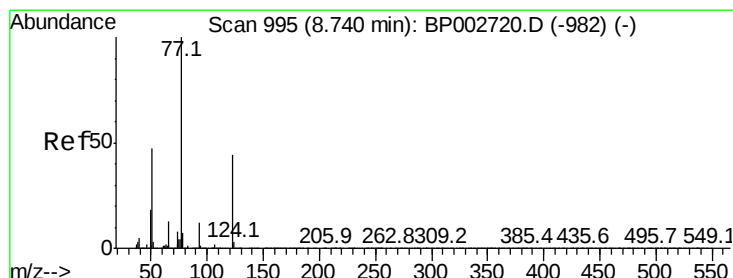
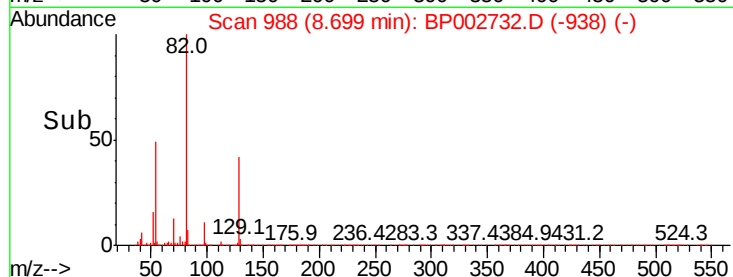
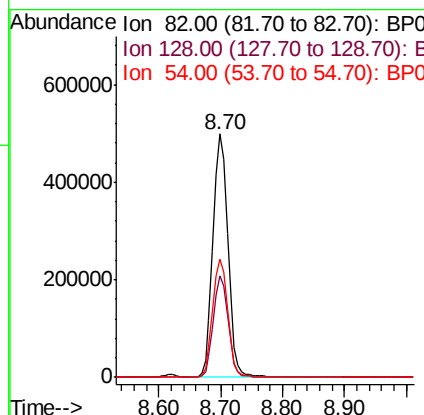
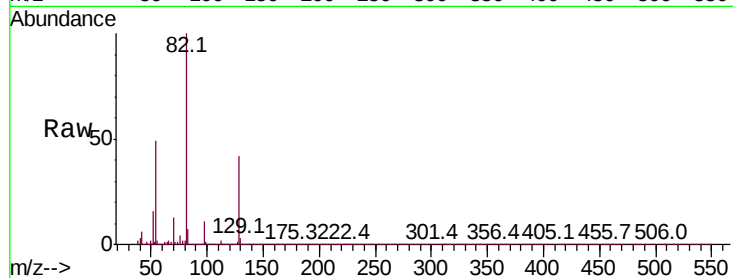




#23
Nitrobenzene-d5
Concen: 75.383 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

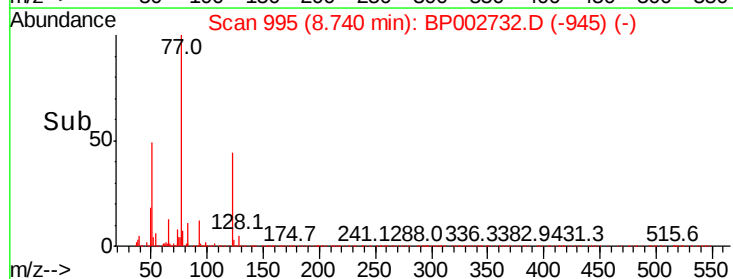
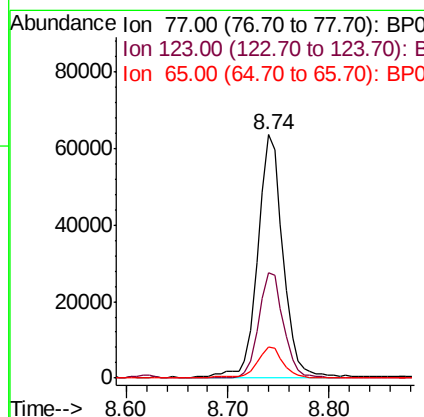
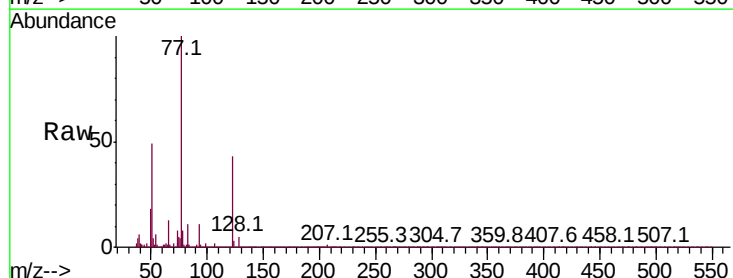
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

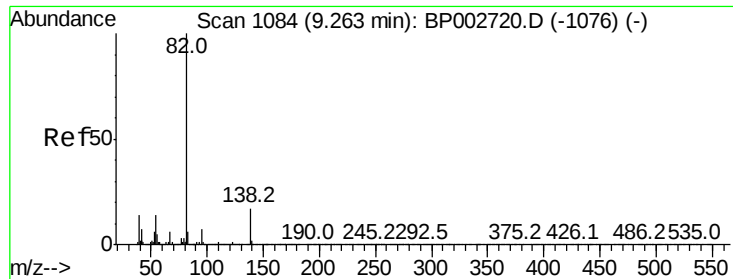
Tot Ion	82	Resp	832505
Ion Ratio	100	Lower	Upper
128	41.9	33.8	50.8
54	48.7	38.8	58.2



#24
Nitrobenzene
Concen: 9.148 ng
RT: 8.74 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion	77	Resp	109412
Ion Ratio	100	Lower	Upper
123	43.2	35.0	52.6
65	12.9	10.4	15.6





#25

Isophorone

Concen: 8.400 ng

RT: 9.26 min Scan# 1084

Delta R.T. -0.01 min

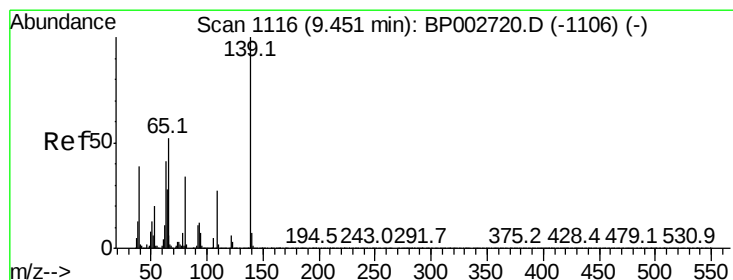
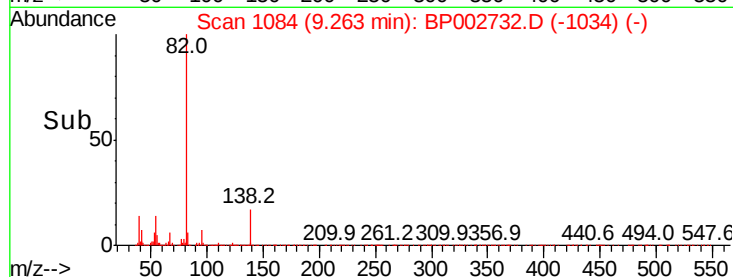
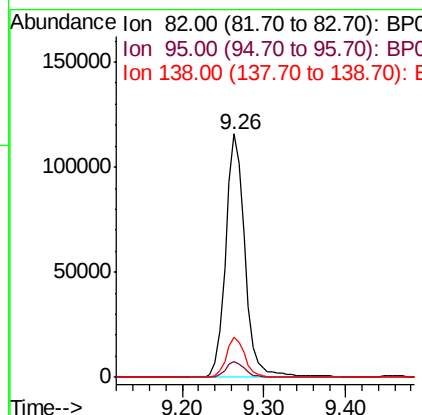
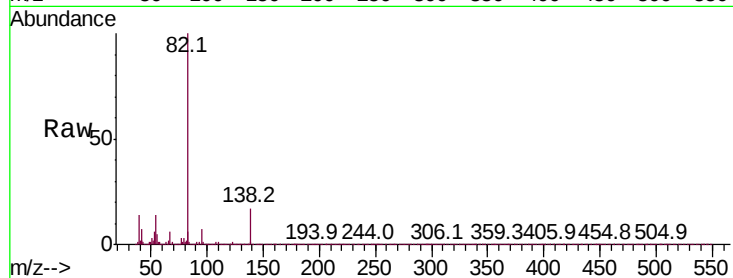
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 82 Resp: 189061

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.2	7.8
138	16.5	13.2	19.8



#26

2-Nitrophenol

Concen: 7.649 ng

RT: 9.46 min Scan# 1117

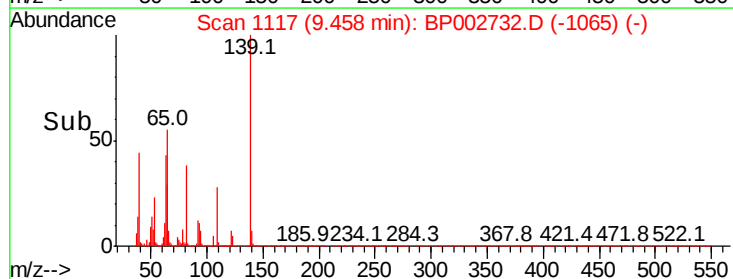
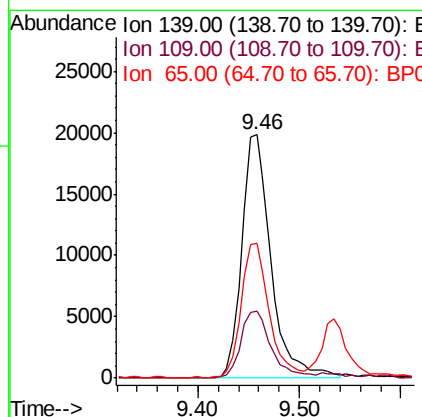
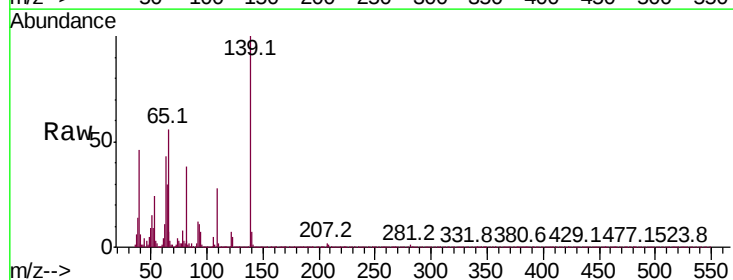
Delta R.T. 0.01 min

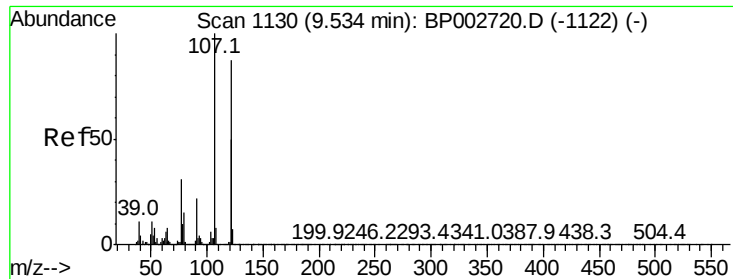
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion: 139 Resp: 39512

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.9	32.9
65	55.5	41.3	61.9





#27

2,4-Dimethylphenol

Concen: 9.216 ng

RT: 9.53 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

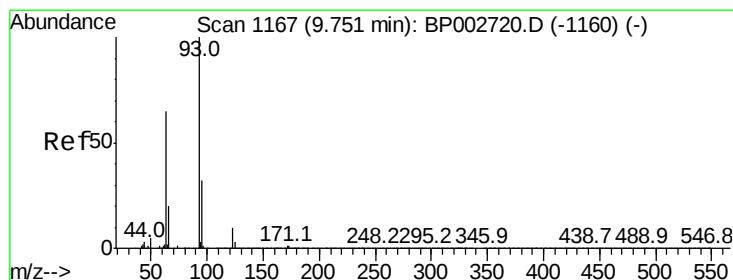
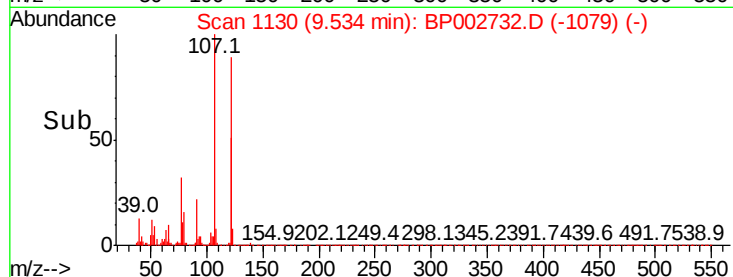
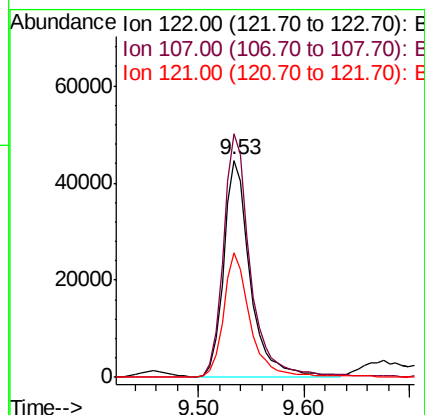
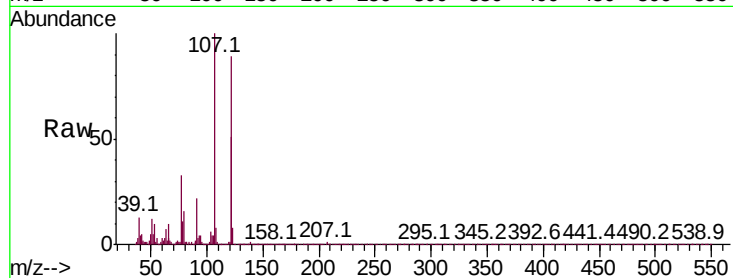
Tot Ion:122 Resp: 77294

Ion Ratio Lower Upper

122 100

107 112.0 92.2 138.4

121 57.0 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 9.054 ng

RT: 9.76 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

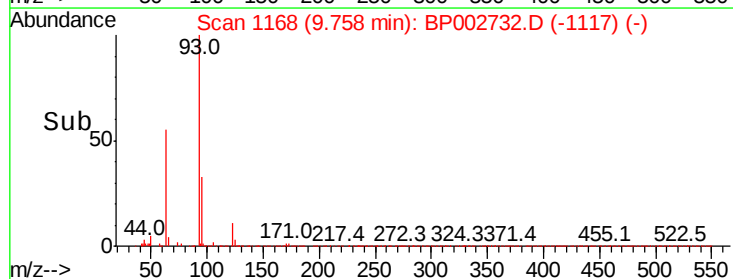
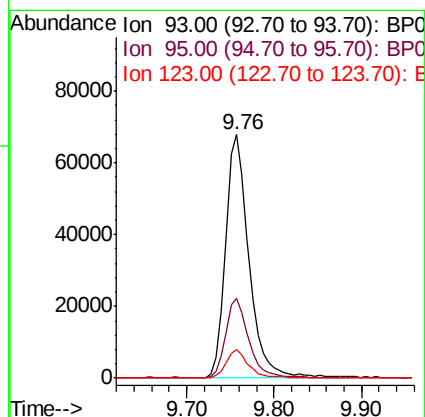
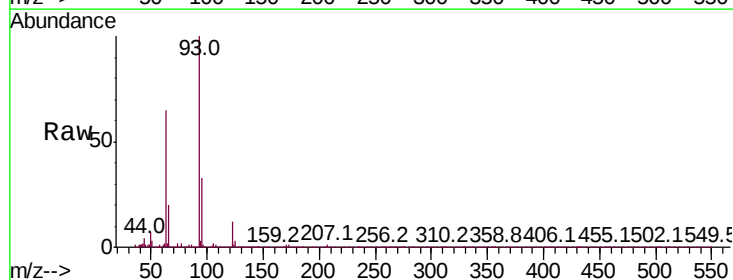
Tgt Ion: 93 Resp: 123779

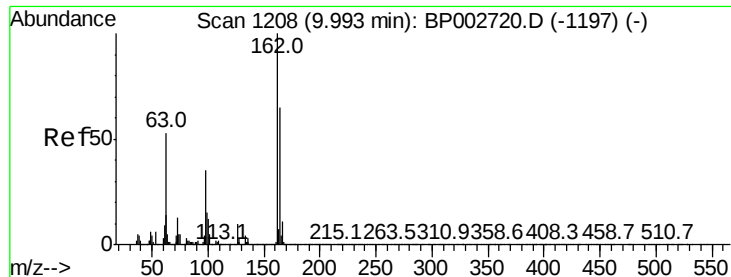
Ion Ratio Lower Upper

93 100

95 32.8 25.8 38.6

123 11.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 8.355 ng

RT: 10.00 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

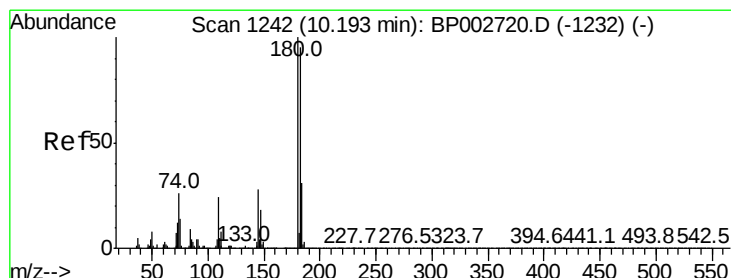
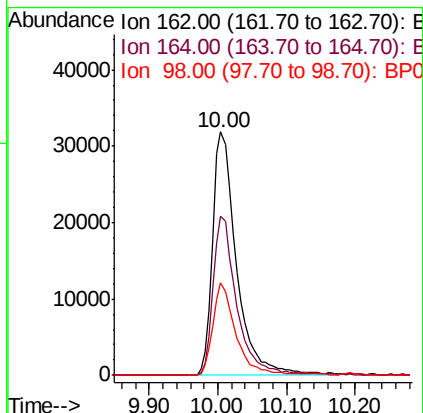
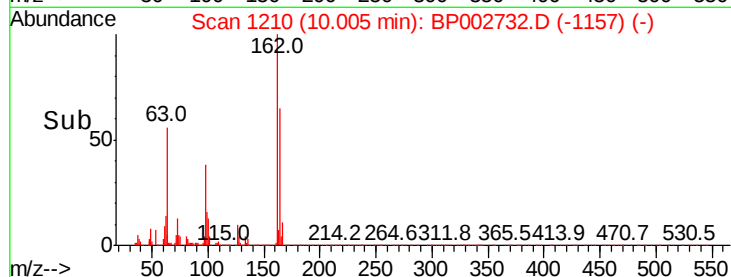
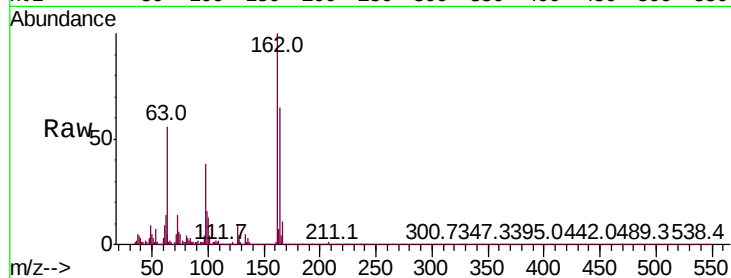
Tot Ion:162 Resp: 77256

Ion Ratio Lower Upper

162 100

164 65.4 44.5 84.5

98 38.0 15.2 55.2



#30

1,2,4-Trichlorobenzene

Concen: 8.878 ng

RT: 10.20 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

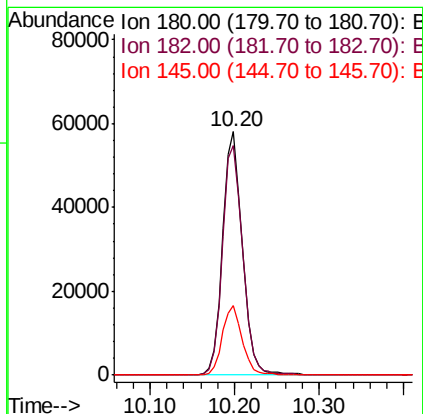
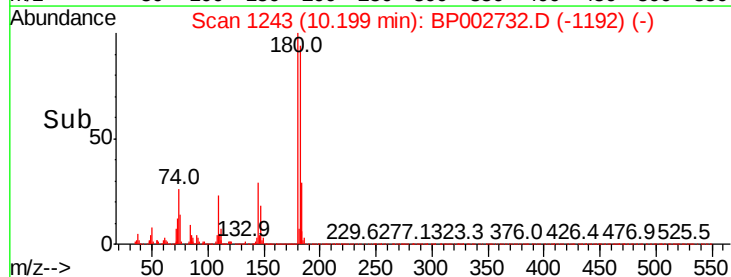
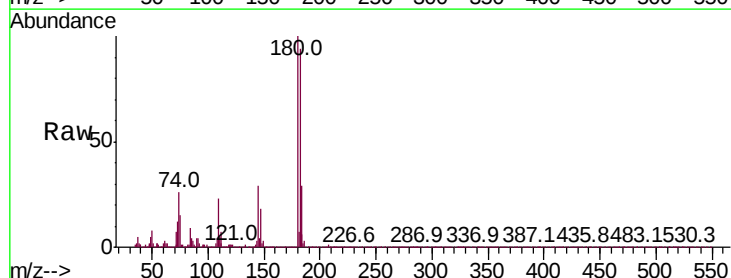
Tgt Ion:180 Resp: 94022

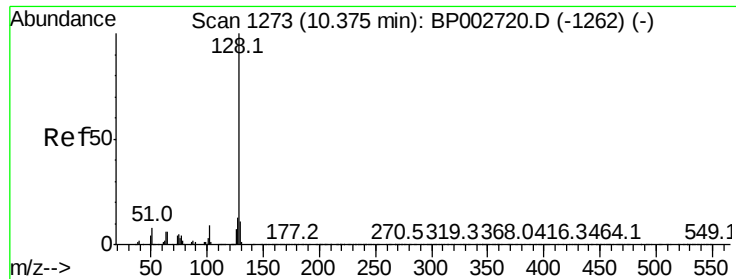
Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

145 28.6 22.6 34.0

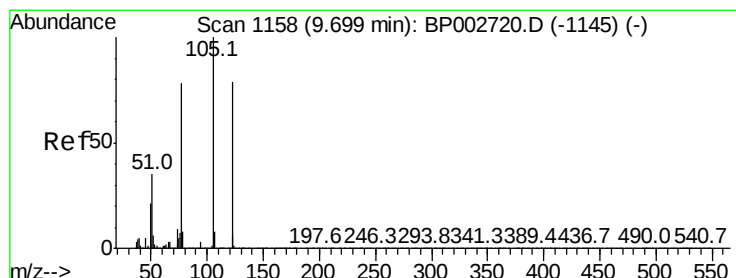
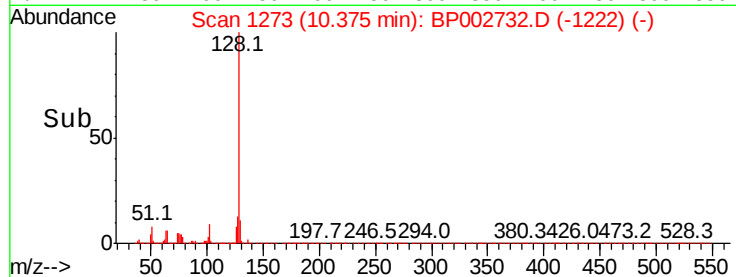
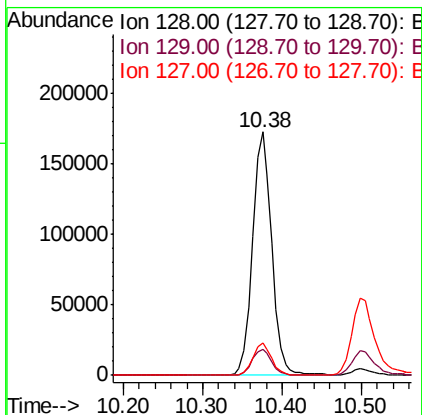
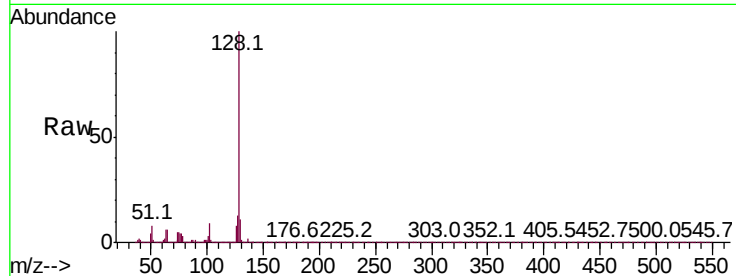




#31
Naphthalene
Concen: 9.326 ng
RT: 10.38 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

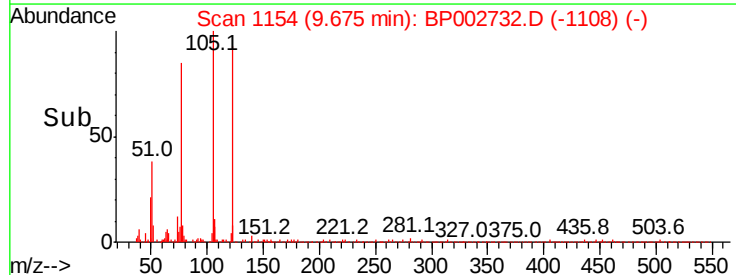
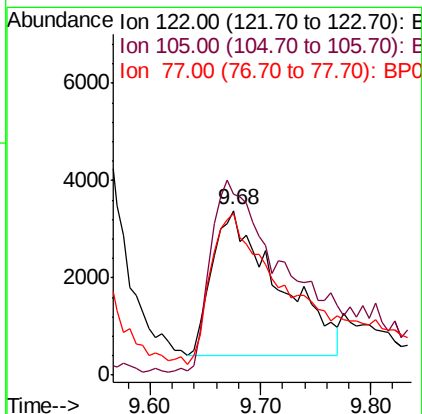
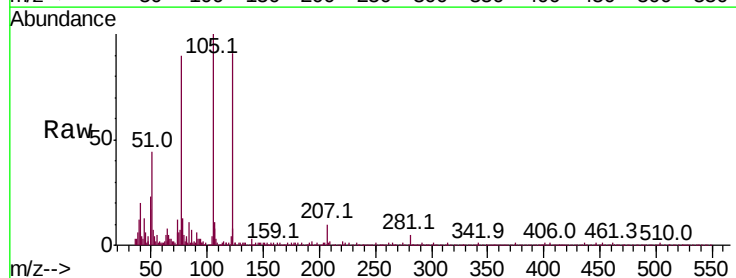
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

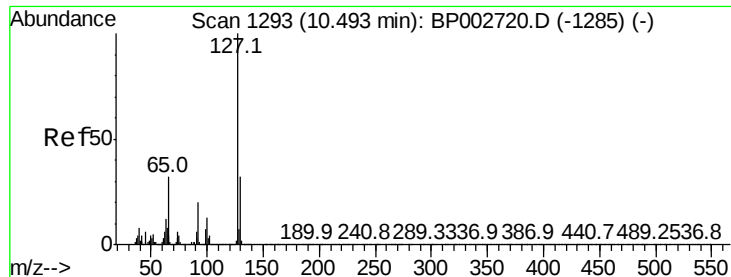
Tot Ion:128 Resp: 290809
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.6 15.8



#32
Benzoic acid
Concen: 8.688 ng
RT: 9.68 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:122 Resp: 12370
Ion Ratio Lower Upper
122 100
105 109.5 105.4 145.4
77 98.2 78.5 118.5

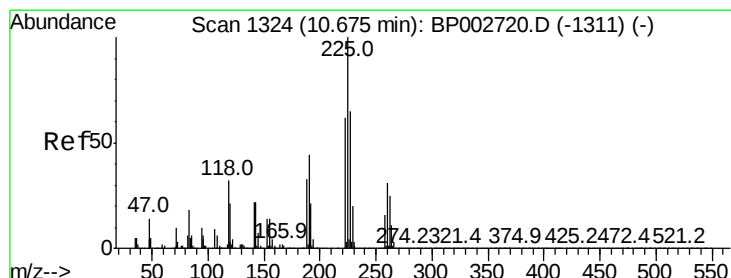
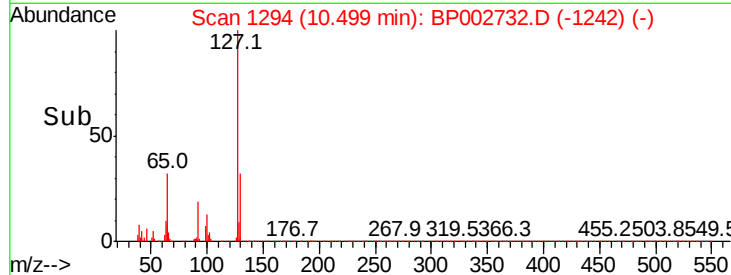
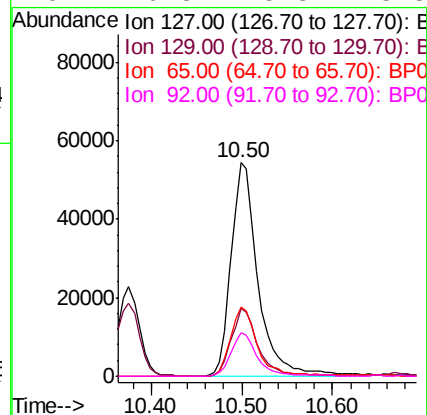
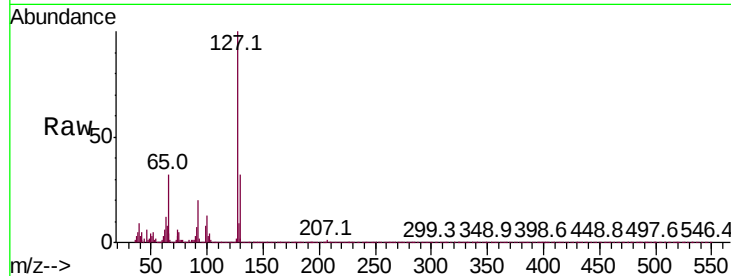




#33
4-Chloroaniline
Concen: 8.376 ng
RT: 10.50 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

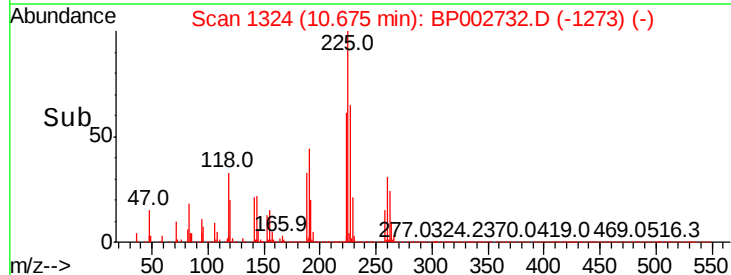
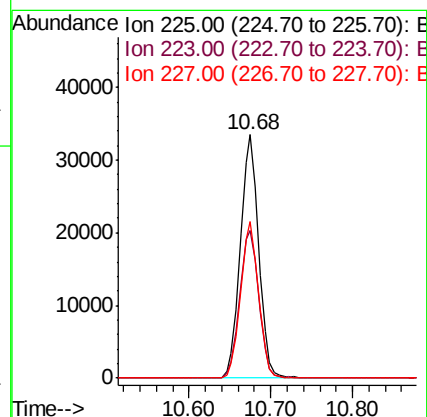
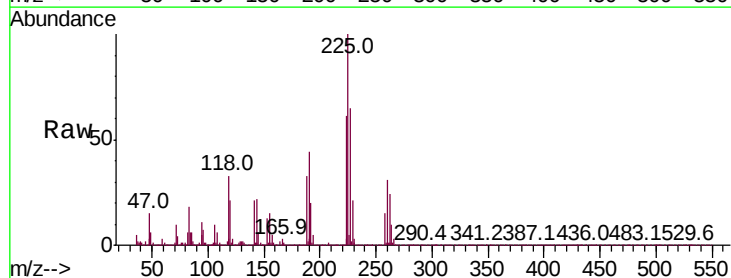
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

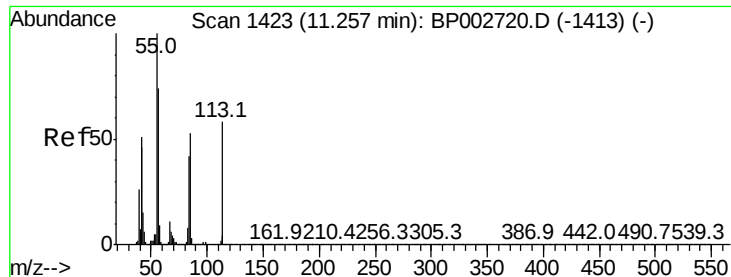
Tot Ion:	127	Resp:	111919
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	32.4	25.4	38.2
92	20.3	15.8	23.8



#34
Hexachlorobutadiene
Concen: 8.547 ng
RT: 10.68 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:	225	Resp:	52319
Ion	Ratio	Lower	Upper
225	100		
223	60.8	49.9	74.9
227	64.5	51.8	77.6

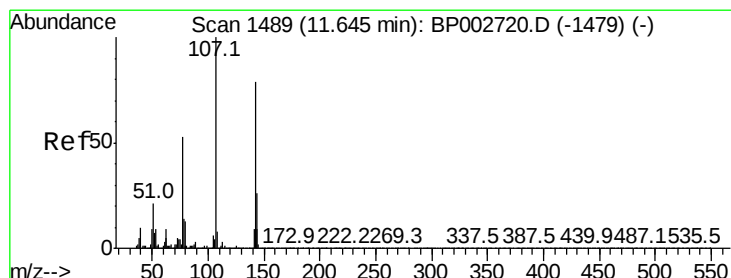
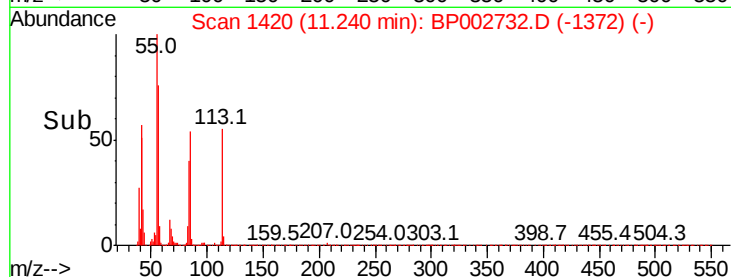
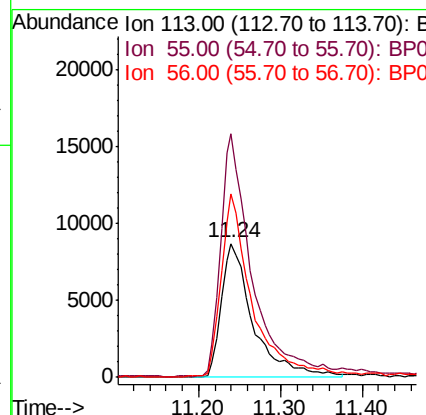
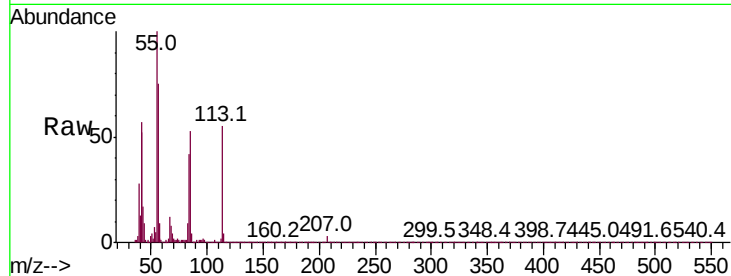




#35
 Caprolactam
 Concen: 7.236 ng
 RT: 11.24 min Scan# 1420
 Delta R.T. -0.02 min
 Lab File: BP002732.D
 Acq: 13 Jul 2020 12:57

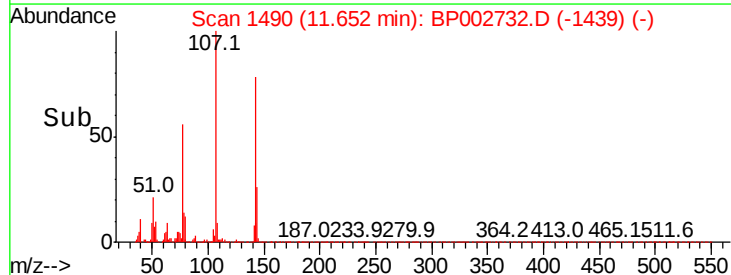
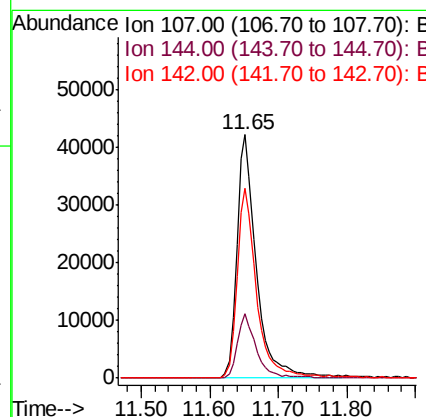
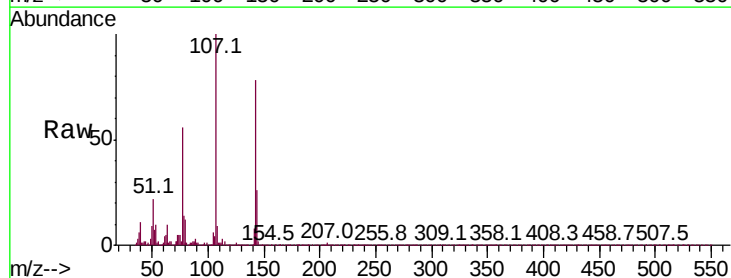
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

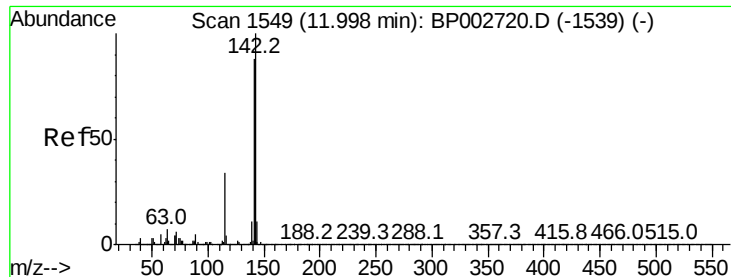
Tot Ion:113 Resp: 23392
 Ion Ratio Lower Upper
 113 100
 55 182.3 152.8 192.8
 56 137.5 107.5 147.5



#36
 4-Chloro-3-methylphenol
 Concen: 8.310 ng
 RT: 11.65 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: BP002732.D
 Acq: 13 Jul 2020 12:57

Tgt Ion:107 Resp: 82828
 Ion Ratio Lower Upper
 107 100
 144 26.4 20.6 30.8
 142 78.2 63.4 95.2

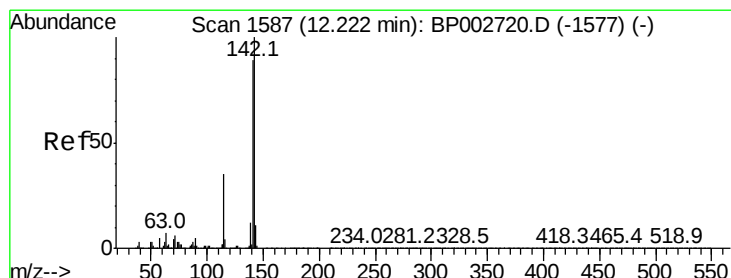
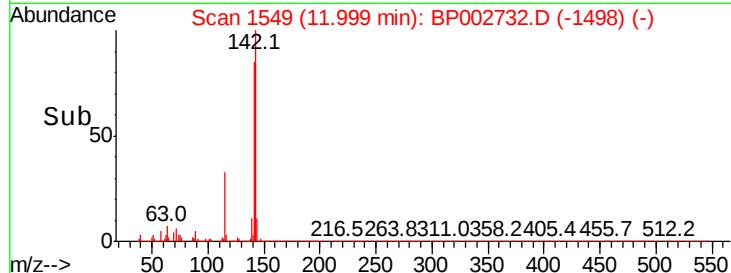
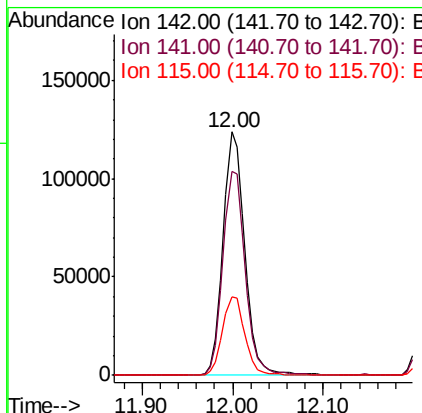
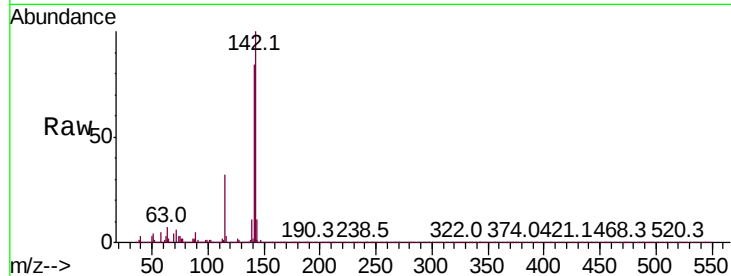




#37
2-Methylnaphthalene
Concen: 9.362 ng
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

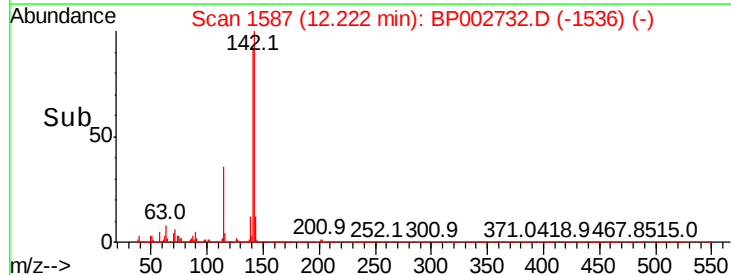
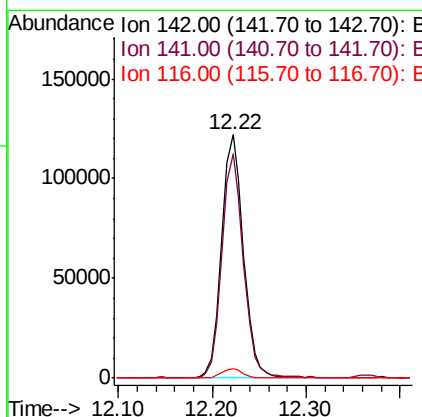
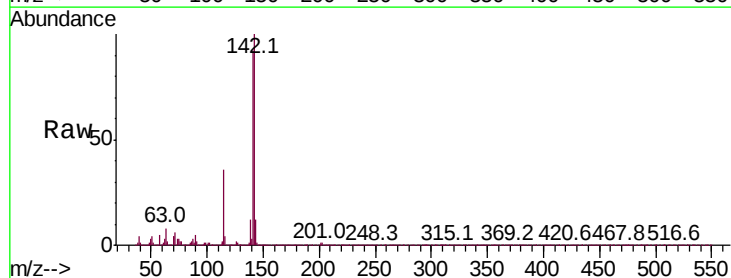
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

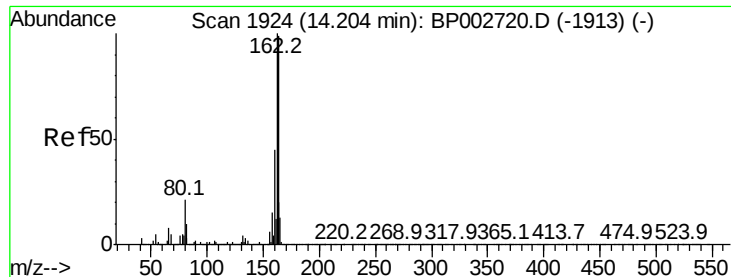
Tot Ion:142 Resp: 206006
Ion Ratio Lower Upper
142 100
141 83.7 70.4 105.6
115 32.3 27.0 40.6



#38
1-Methylnaphthalene
Concen: 9.464 ng
RT: 12.22 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:142 Resp: 196979
Ion Ratio Lower Upper
142 100
141 92.0 71.5 107.3
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

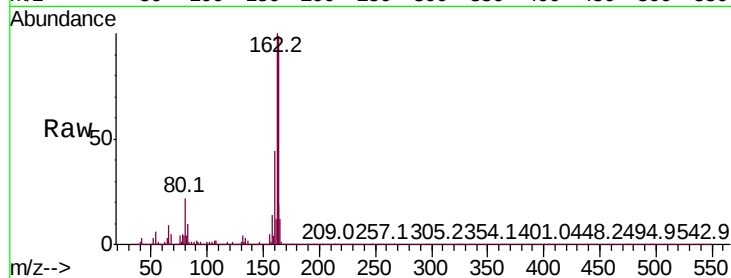
Tot Ion:164 Resp: 374192

Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

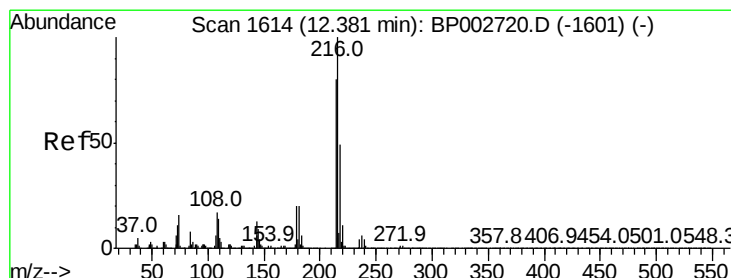
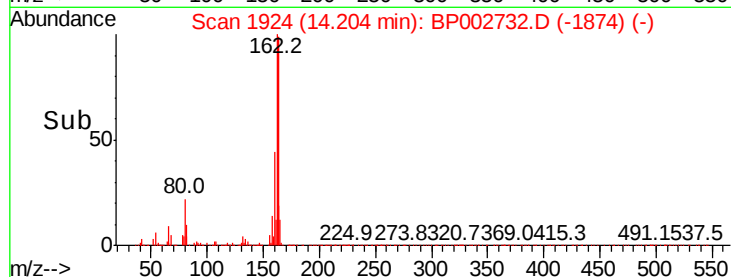
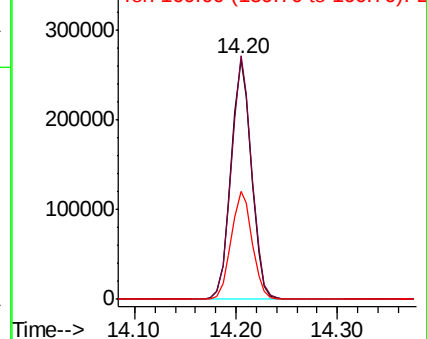
160 45.1 36.4 54.6



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.370 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:216 Resp: 107749

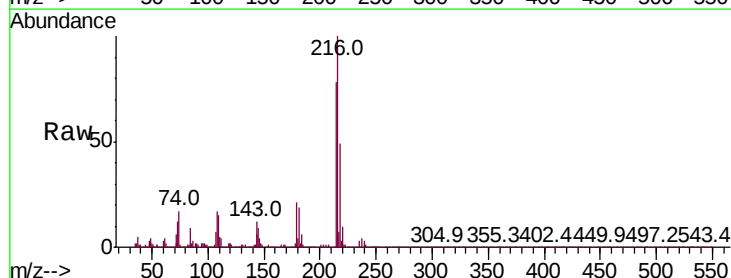
Ion Ratio Lower Upper

216 100

214 78.2 63.4 95.2

179 20.3 16.2 24.2

108 17.8 14.8 22.2

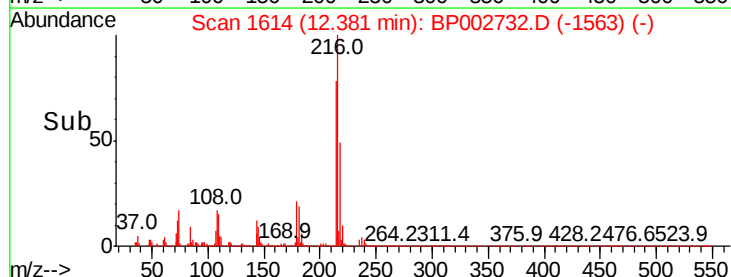
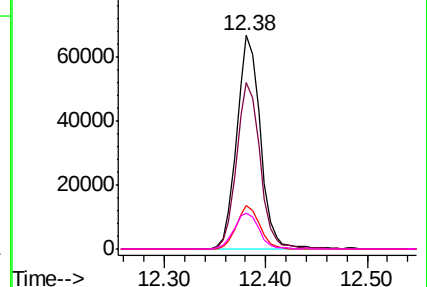


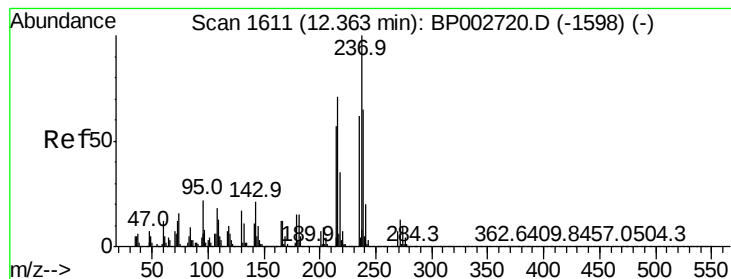
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 10.572 ng

RT: 12.36 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

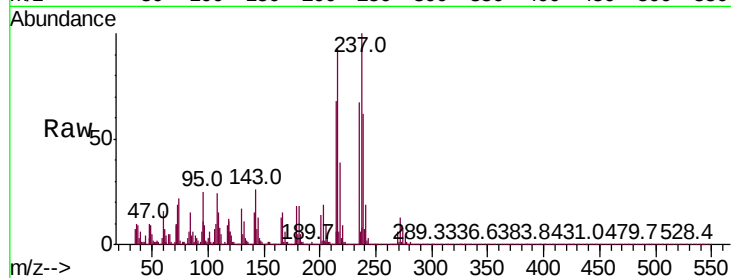
Tot Ion:237 Resp: 17621

Ion	Ratio	Lower	Upper
237	100		
235	66.5	42.3	82.3
272	12.9	0.0	32.5

237 100

235 66.5 42.3 82.3

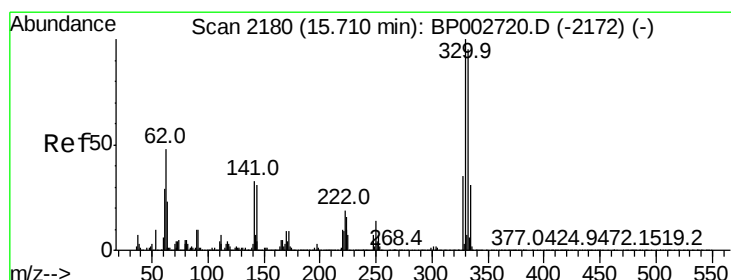
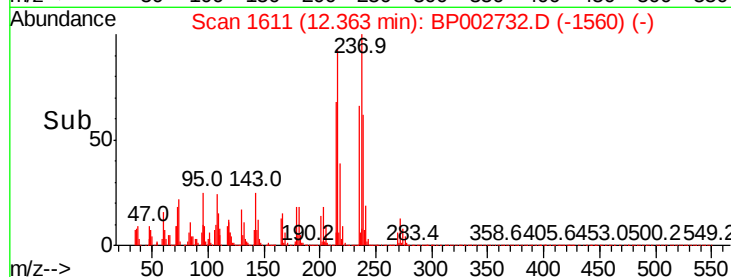
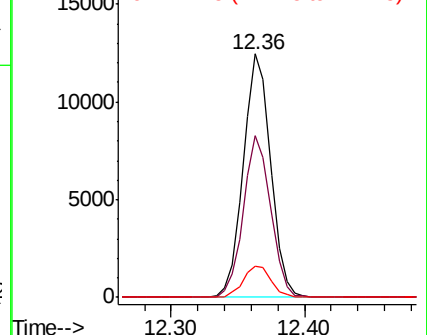
272 12.9 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 104.184 ng

RT: 15.71 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

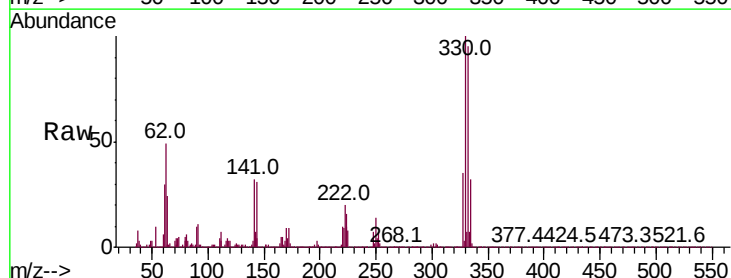
Tgt Ion:330 Resp: 406940

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	35.4	28.8	43.2

330 100

332 95.6 76.5 114.7

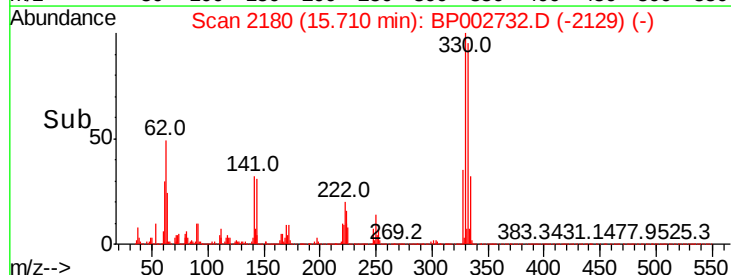
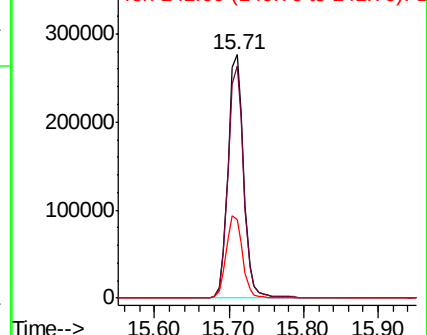
141 35.4 28.8 43.2

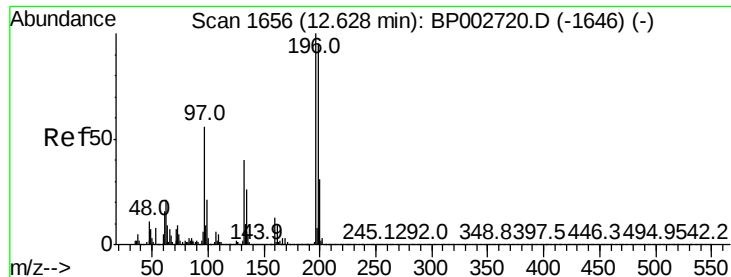


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

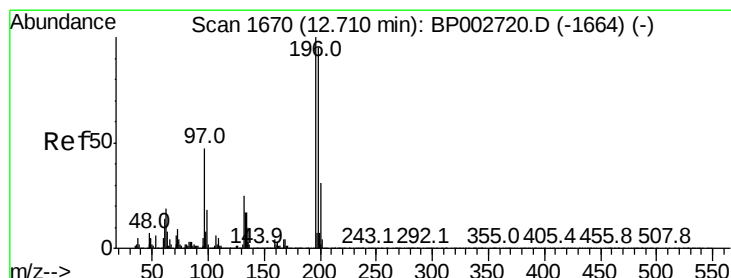
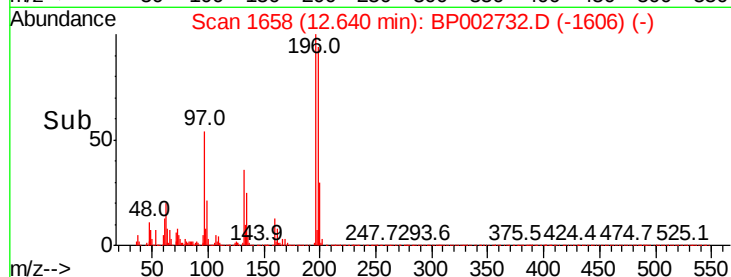
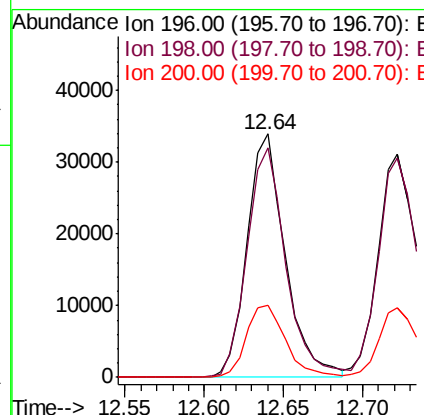
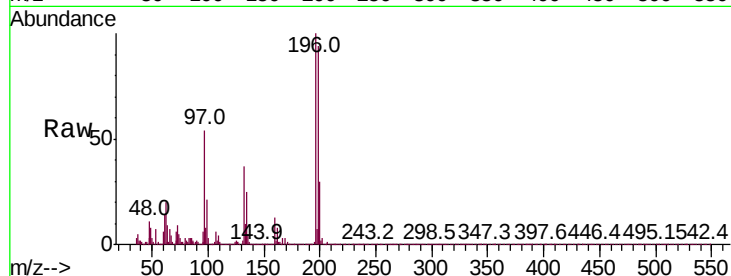




#43
2,4,6-Trichlorophenol
Concen: 7.721 ng
RT: 12.64 min Scan# 1658
Delta R.T. 0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

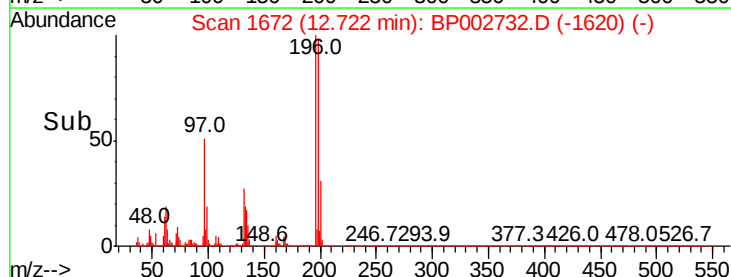
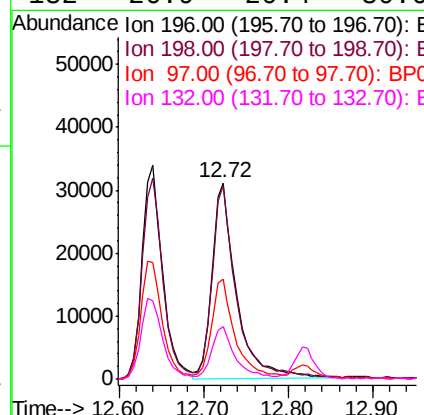
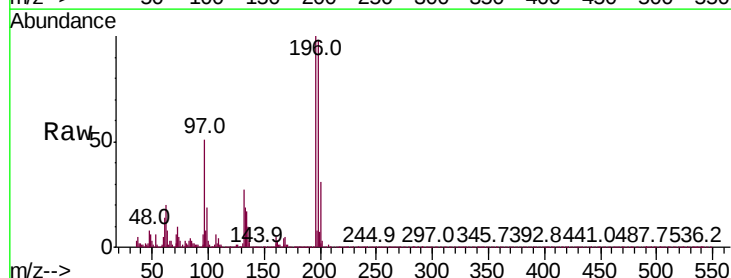
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

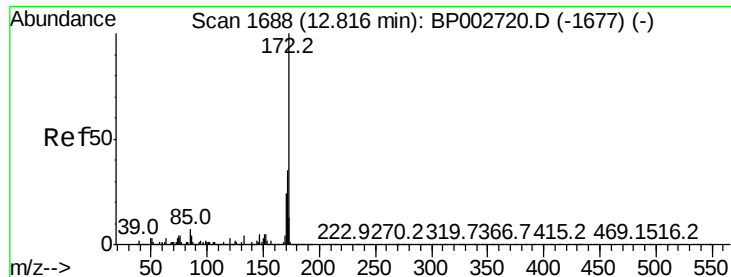
Tot Ion:196 Resp: 56835
Ion Ratio Lower Upper
196 100
198 94.2 75.8 113.6
200 29.7 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 7.334 ng
RT: 12.72 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:196 Resp: 62611
Ion Ratio Lower Upper
196 100
198 98.2 75.8 113.6
97 51.1 38.0 57.0
132 26.9 20.4 30.6

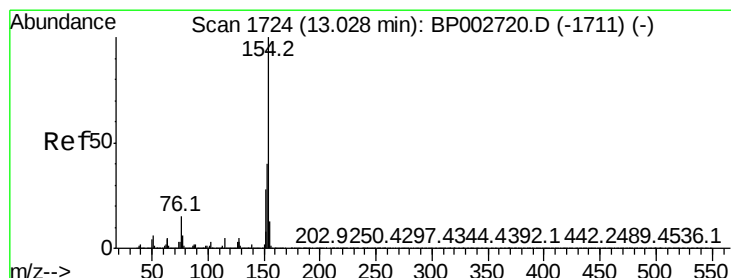
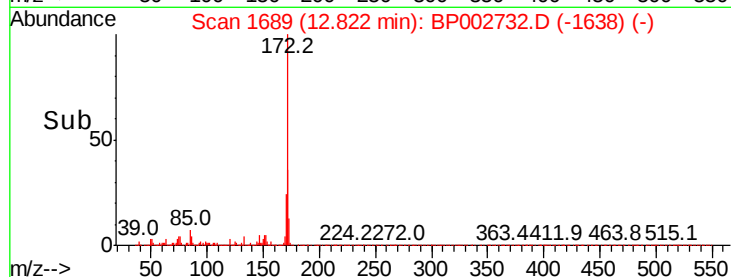
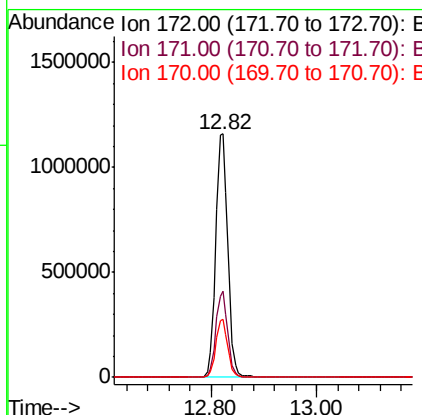
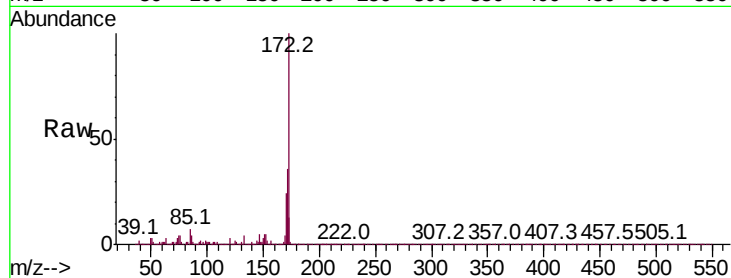




#45
2-Fluorobiphenyl
Concen: 77.009 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

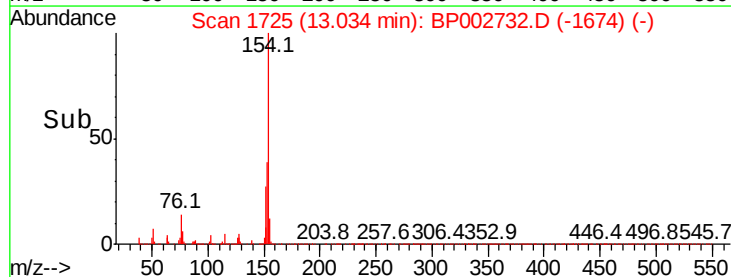
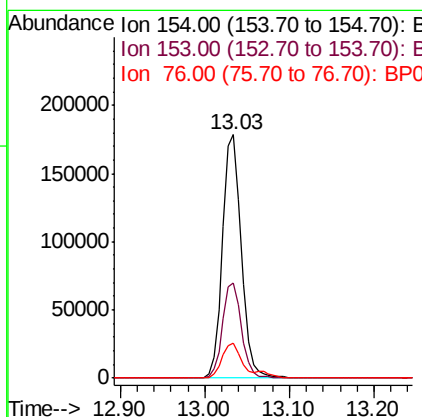
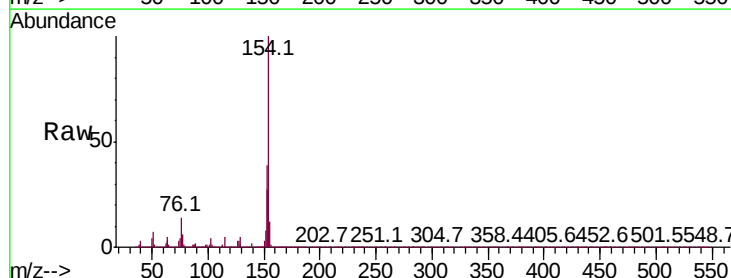
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

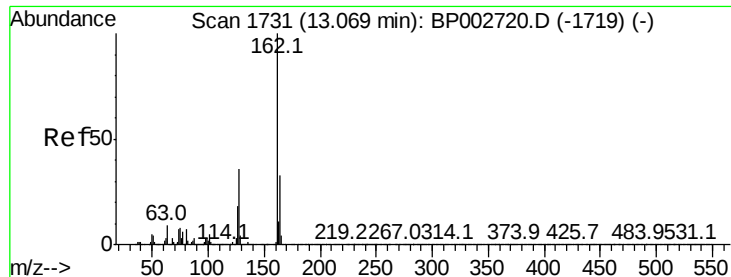
Tot Ion:172 Resp: 1862744
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.9 19.3 28.9



#46
1,1'-Biphenyl
Concen: 9.896 ng
RT: 13.03 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:154 Resp: 276067
Ion Ratio Lower Upper
154 100
153 38.9 19.8 59.8
76 14.4 0.0 34.7

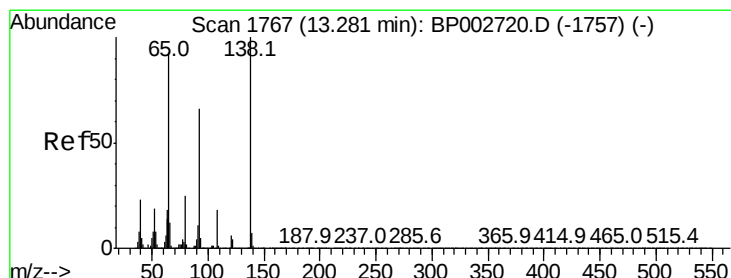
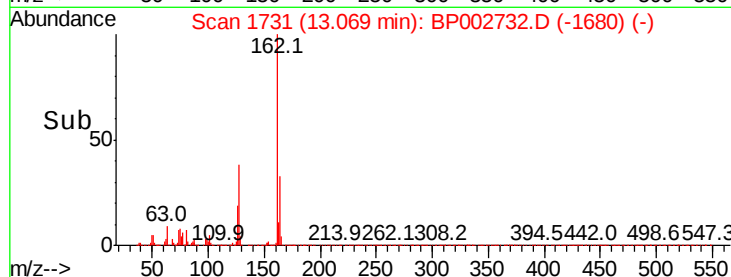
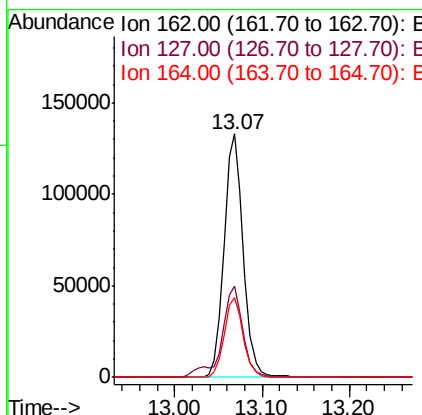
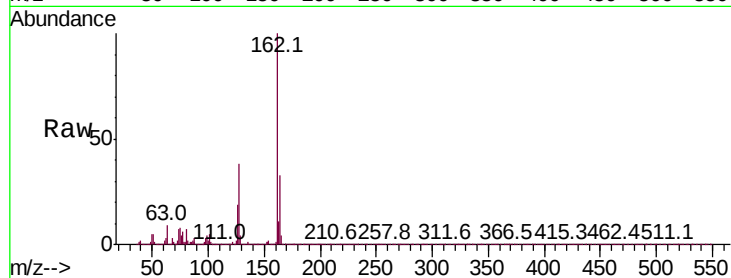




#47
2-Chloronaphthalene
Concen: 8.860 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

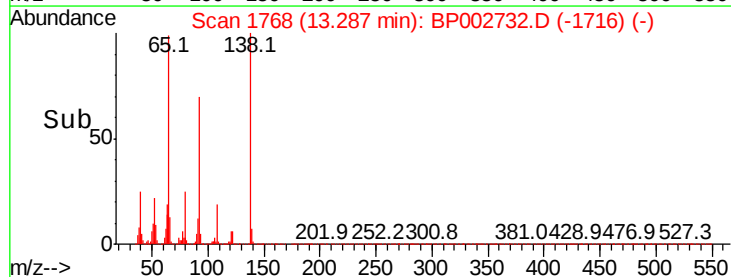
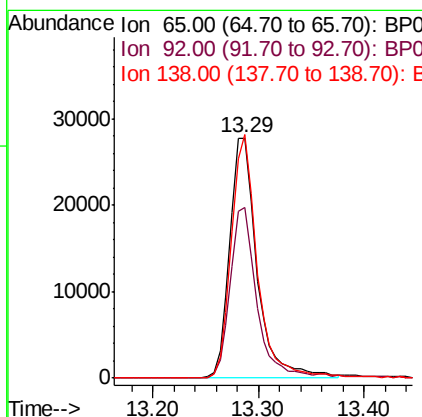
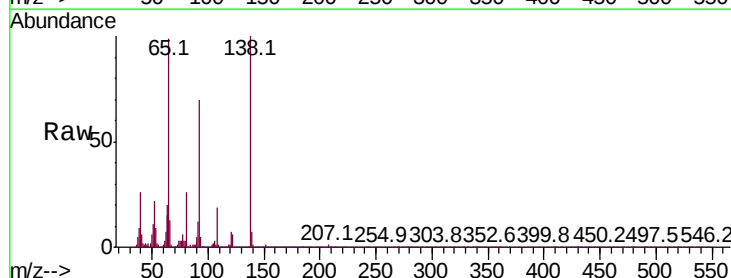
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

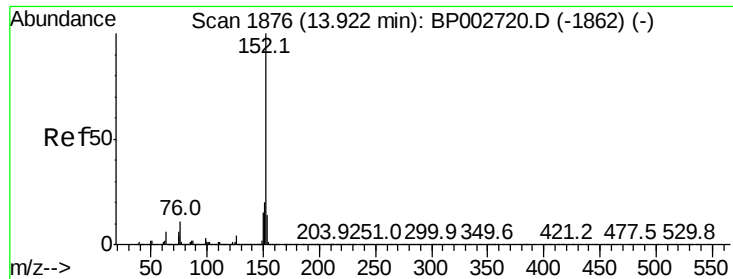
Tot Ion:162 Resp: 200760
Ion Ratio Lower Upper
162 100
127 37.5 29.0 43.4
164 32.7 26.8 40.2



#48
2-Nitroaniline
Concen: 7.060 ng
RT: 13.29 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion: 65 Resp: 49451
Ion Ratio Lower Upper
65 100
92 71.0 57.0 85.6
138 101.3 86.0 129.0





#49

Acenaphthylene

Concen: 9.113 ng

RT: 13.92 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

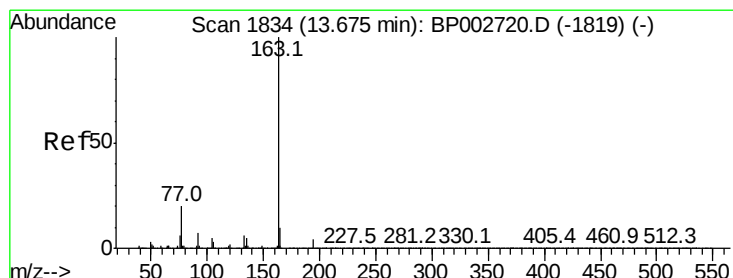
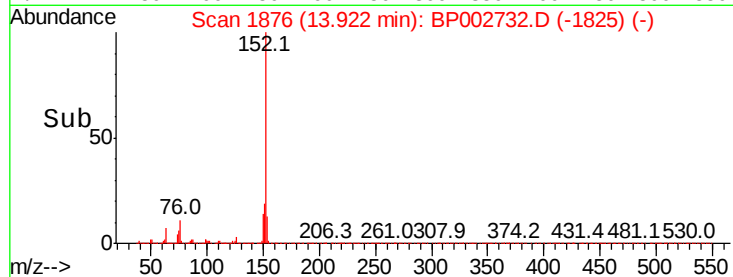
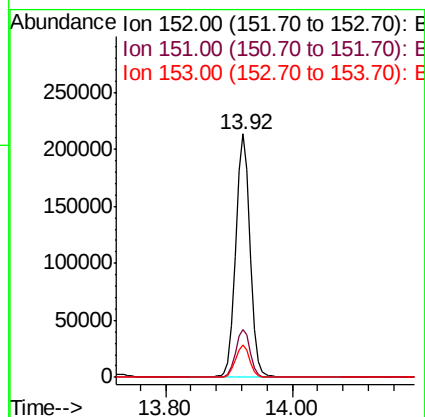
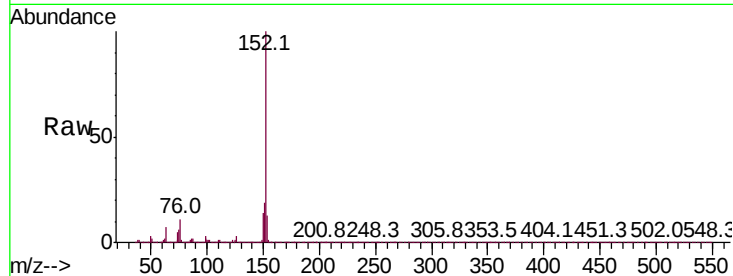
Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	325520
Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.4
153	13.1	10.9	16.3



#50

Dimethylphthalate

Concen: 8.735 ng

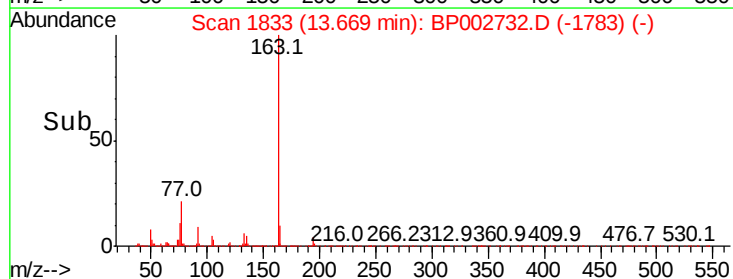
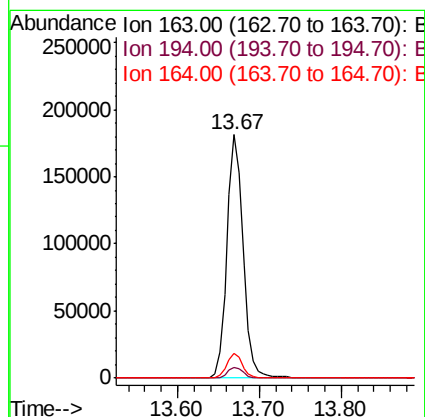
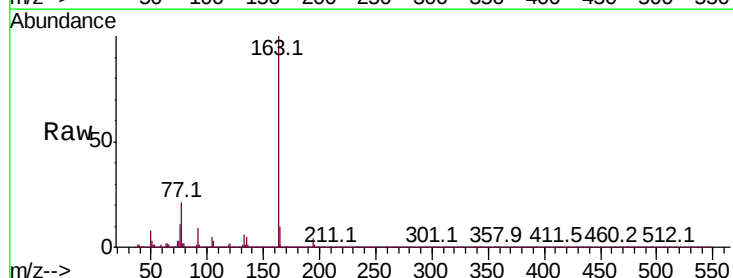
RT: 13.67 min Scan# 1833

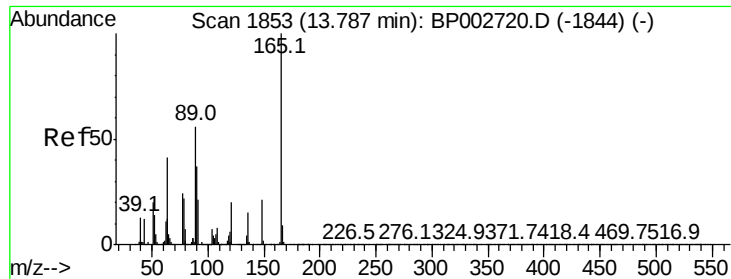
Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:	163	Resp:	249265
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.0	7.8	11.8

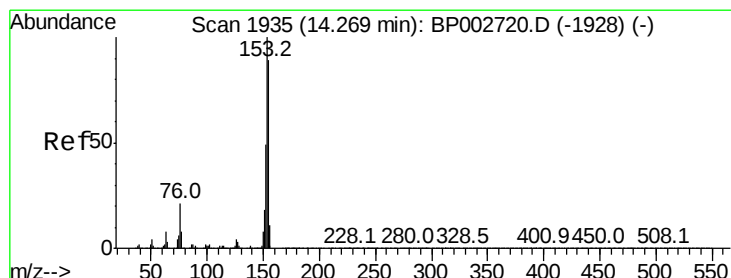
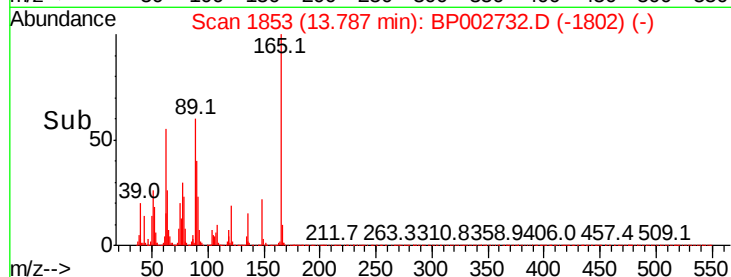
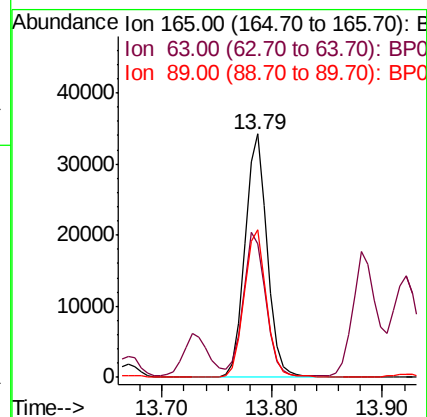
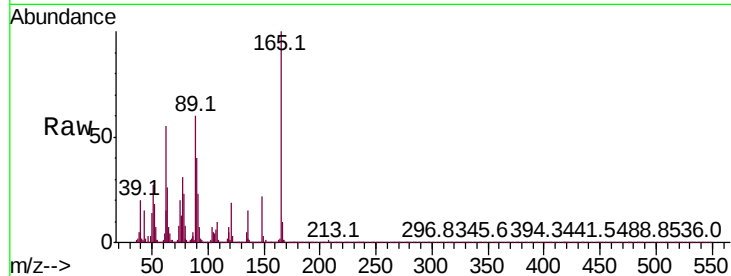




#51
2,6-Dinitrotoluene
Concen: 7.929 ng
RT: 13.79 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

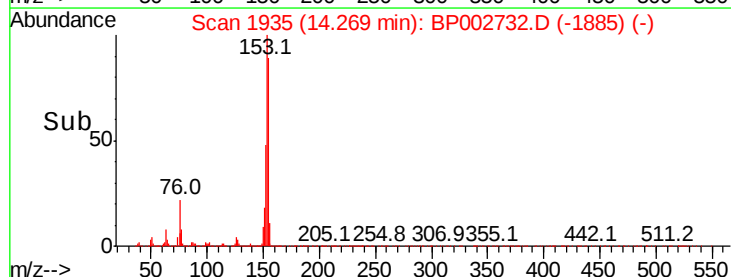
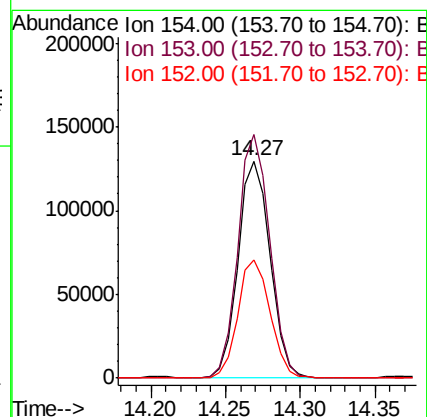
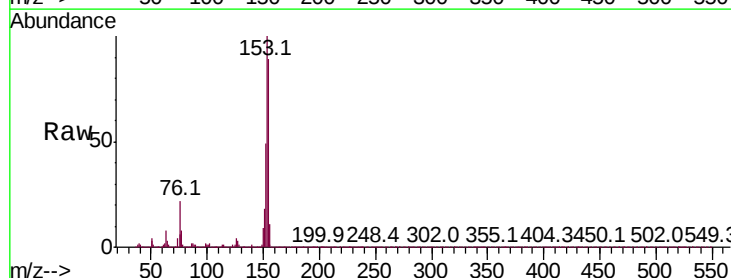
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

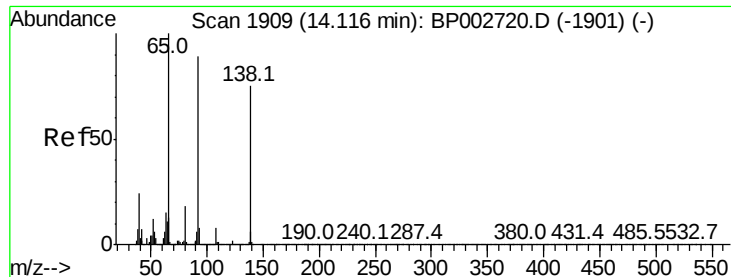
Tot Ion:165 Resp: 48443
Ion Ratio Lower Upper
165 100
63 55.1 43.2 64.8
89 60.4 44.6 67.0



#52
Acenaphthene
Concen: 9.099 ng
RT: 14.27 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:154 Resp: 194230
Ion Ratio Lower Upper
154 100
153 112.3 90.1 135.1
152 54.5 43.8 65.6

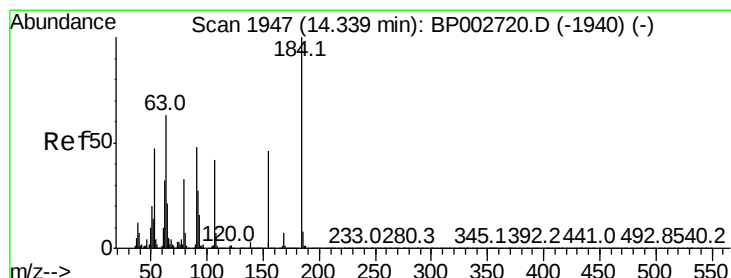
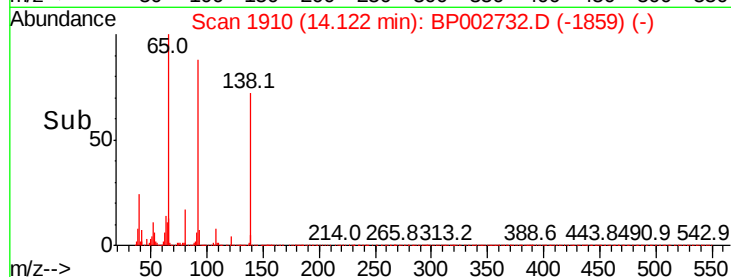
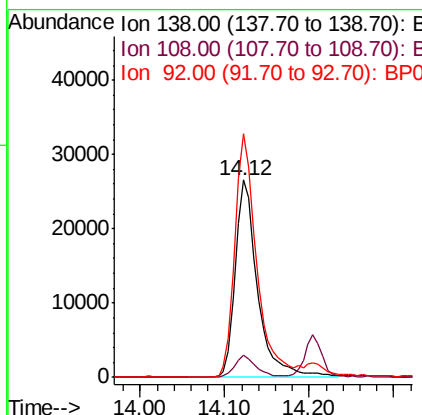
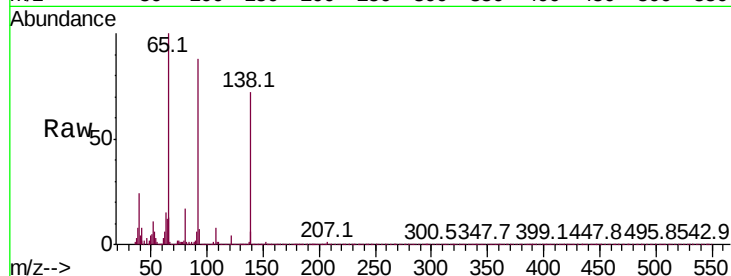




#53
3-Nitroaniline
Concen: 7.018 ng
RT: 14.12 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

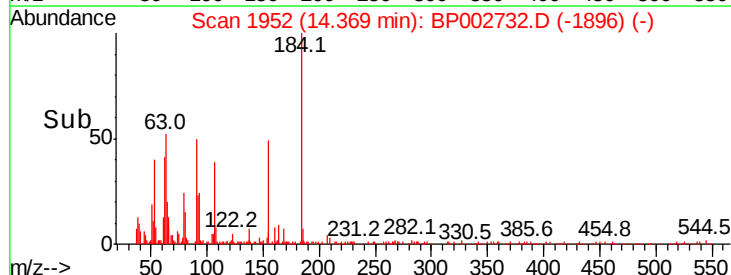
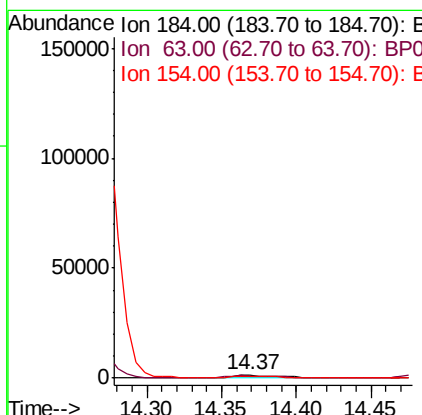
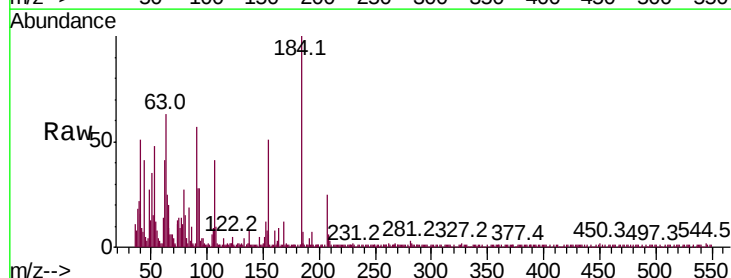
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

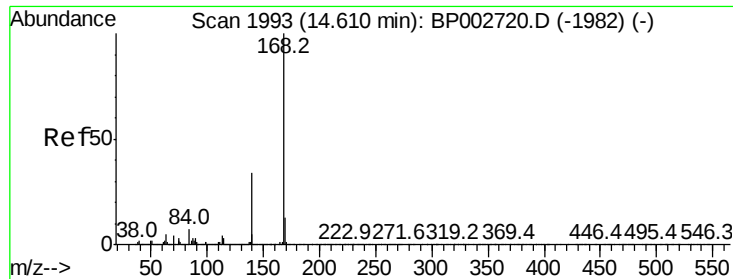
Tot Ion:138 Resp: 47972
Ion Ratio Lower Upper
138 100
108 11.2 8.2 12.2
92 123.4 94.3 141.5



#54
2,4-Dinitrophenol
Concen: 12.306 ng
RT: 14.37 min Scan# 1952
Delta R.T. 0.03 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:184 Resp: 3704
Ion Ratio Lower Upper
184 100
63 62.6 51.6 77.4
154 51.1 45.0 67.6





#55

Dibenzenofuran

Concen: 9.282 ng

RT: 14.61 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

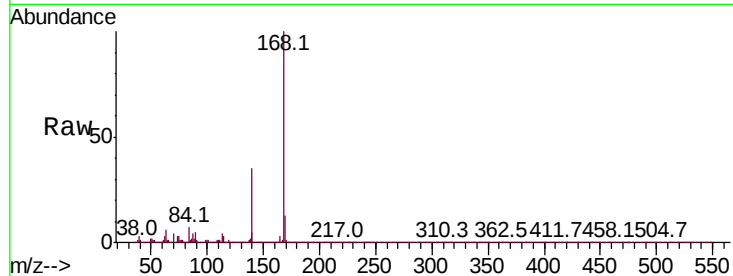
Tot Ion:168 Resp: 317804

Ion Ratio Lower Upper

168 100

139 35.0 27.1 40.7

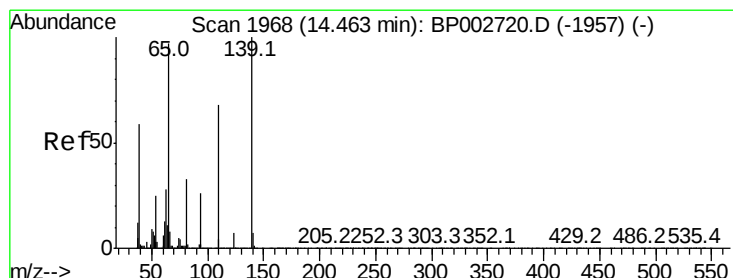
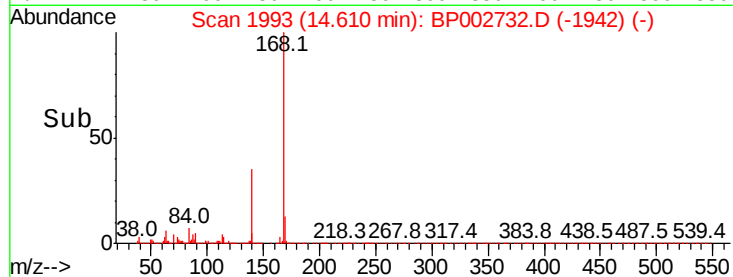
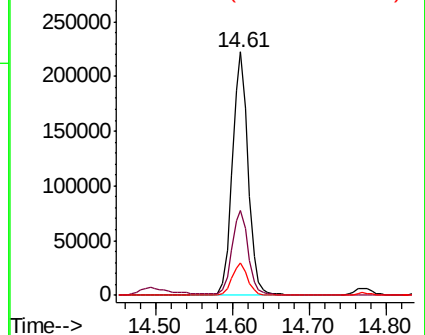
169 13.2 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 8.922 ng

RT: 14.49 min Scan# 1973

Delta R.T. 0.02 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

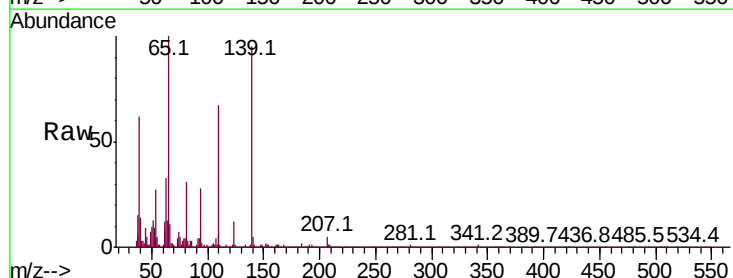
Tgt Ion:139 Resp: 23070

Ion Ratio Lower Upper

139 100

109 71.1 48.1 88.1

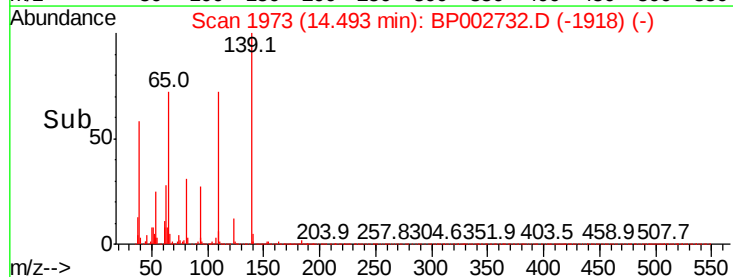
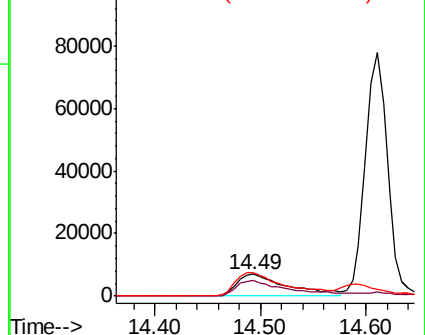
65 105.8 77.9 117.9

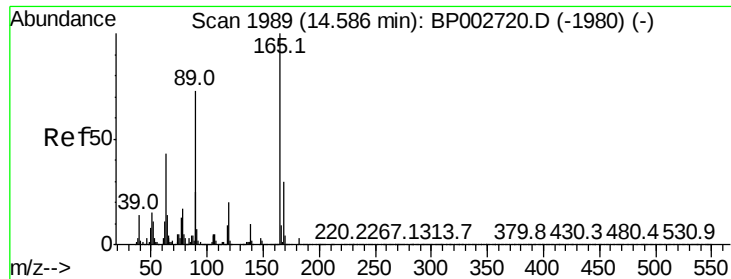


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

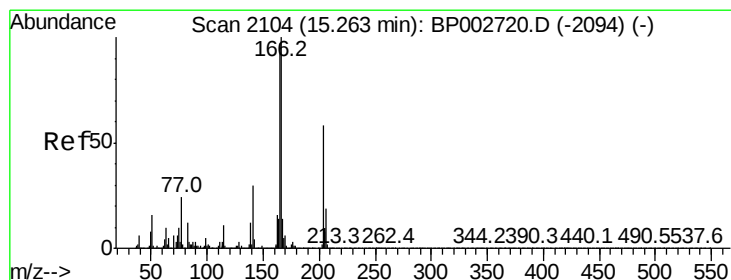
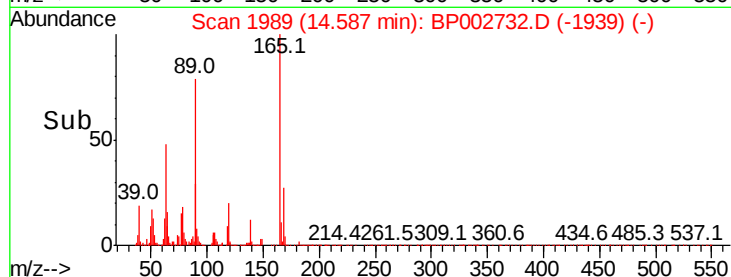
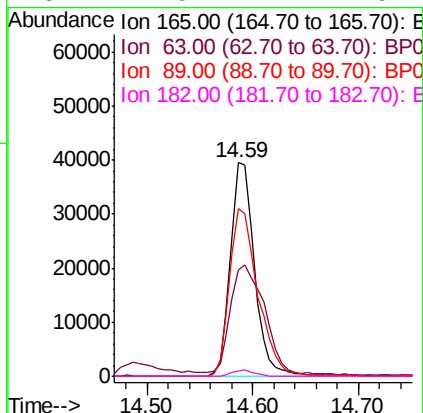
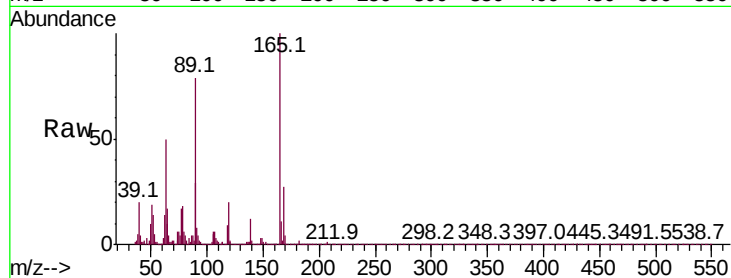




#57
2,4-Dinitrotoluene
Concen: 7.688 ng
RT: 14.59 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

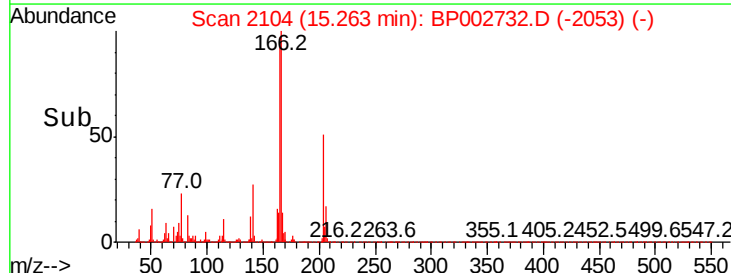
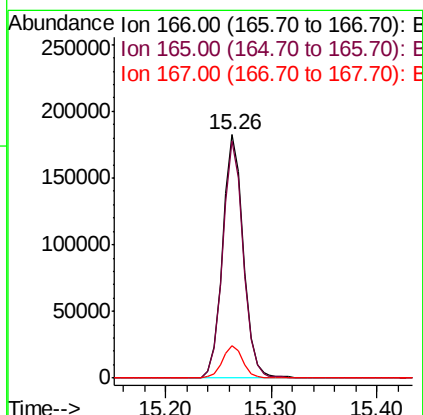
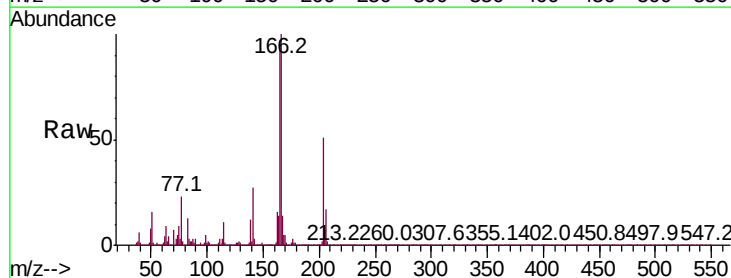
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

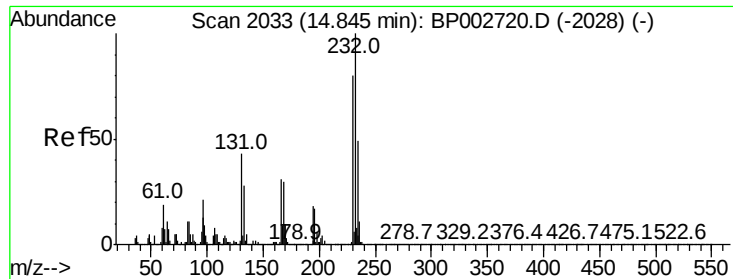
Tot Ion:165 Resp: 61860
Ion Ratio Lower Upper
165 100
63 49.8 35.1 52.7
89 78.8 58.4 87.6
182 2.5 2.2 3.2



#58
Fluorene
Concen: 9.825 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:166 Resp: 248909
Ion Ratio Lower Upper
166 100
165 97.2 77.7 116.5
167 13.5 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.941 ng

RT: 14.85 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:232 Resp: 53442

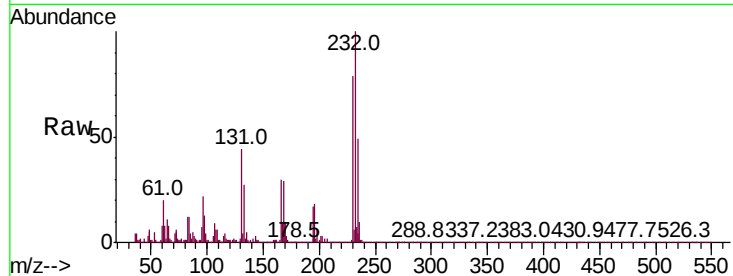
Ion Ratio Lower Upper

232 100

131 43.4 34.3 51.5

130 2.4 1.8 2.6

166 30.1 24.0 36.0

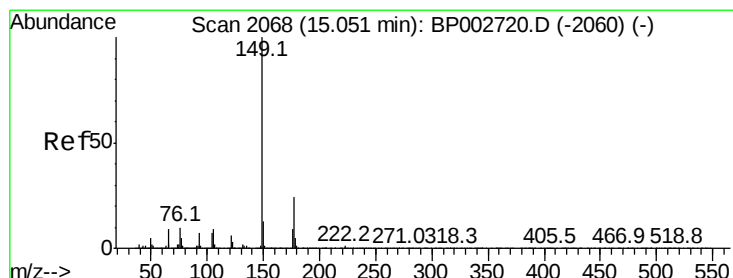
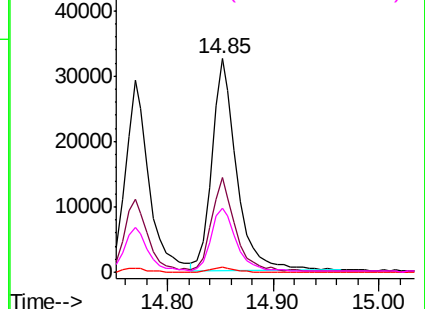
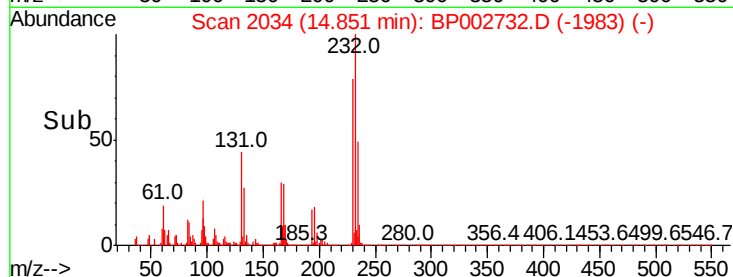


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 8.649 ng

RT: 15.05 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

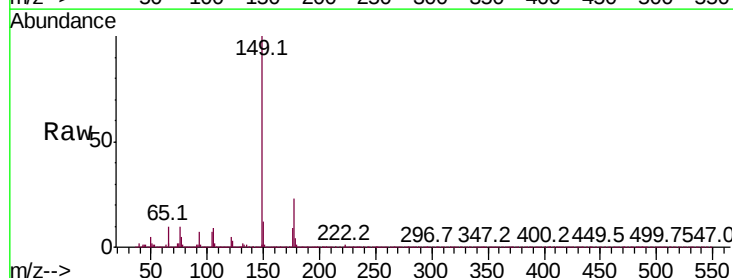
Tgt Ion:149 Resp: 239294

Ion Ratio Lower Upper

149 100

177 22.6 18.9 28.3

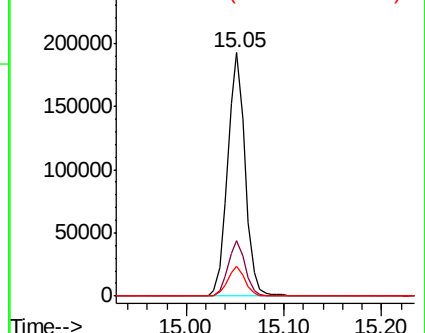
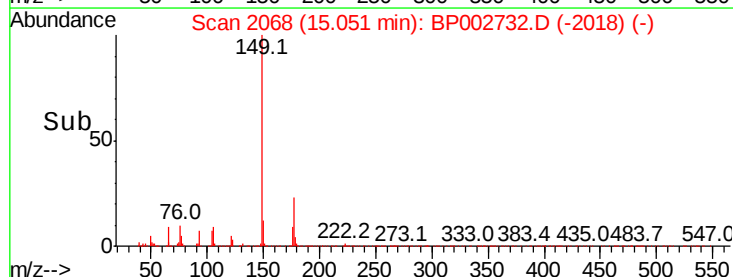
150 12.2 10.1 15.1

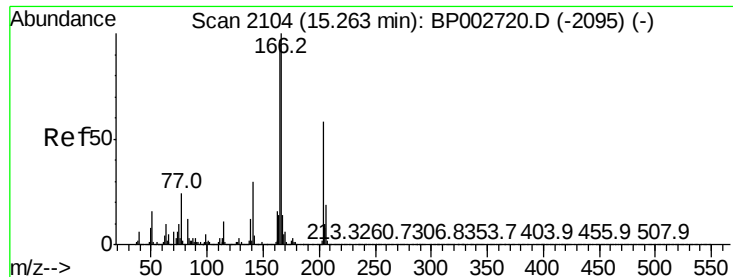


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 9.468 ng

RT: 15.26 min Scan# 2104

Delta R.T. 0.00 min

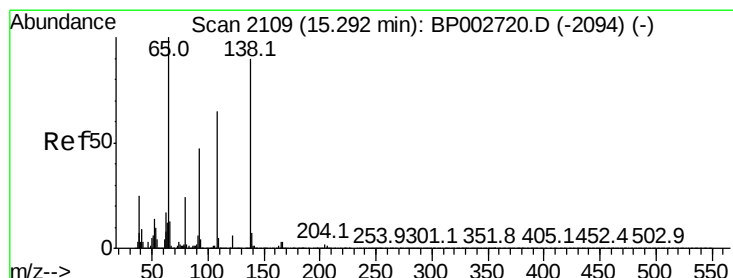
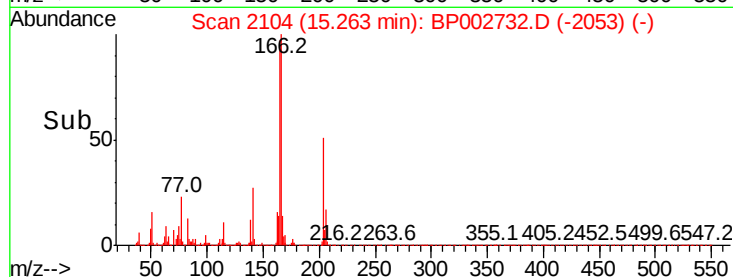
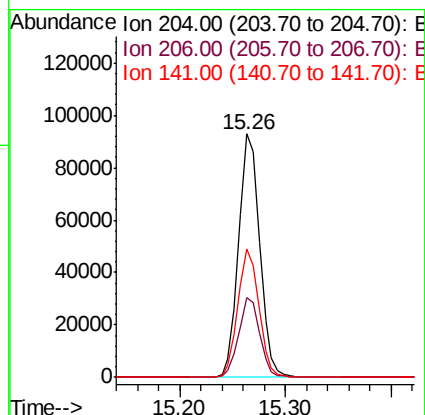
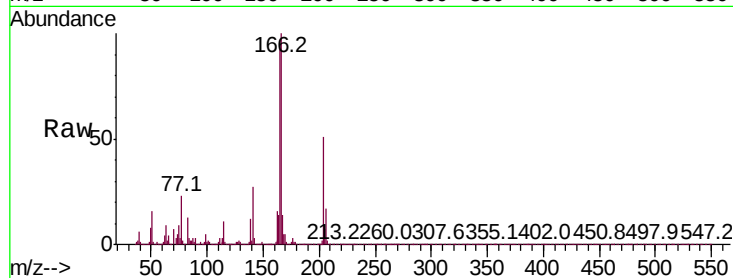
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:204 Resp: 127448

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	52.7	41.8	62.8



#62

4-Nitroaniline

Concen: 7.874 ng

RT: 15.29 min Scan# 2109

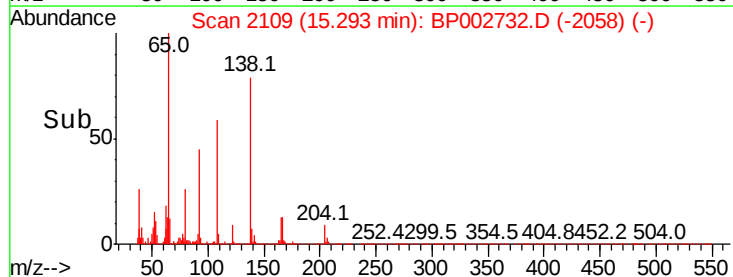
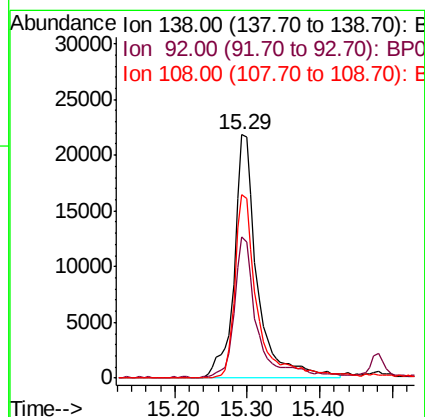
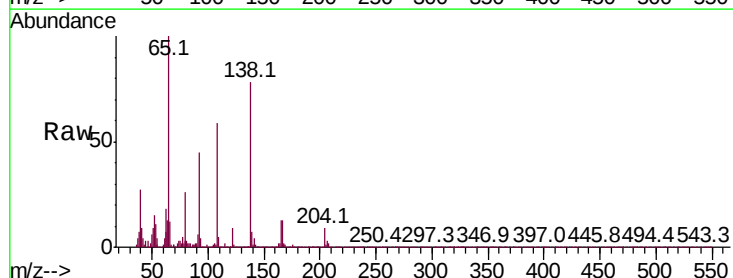
Delta R.T. 0.00 min

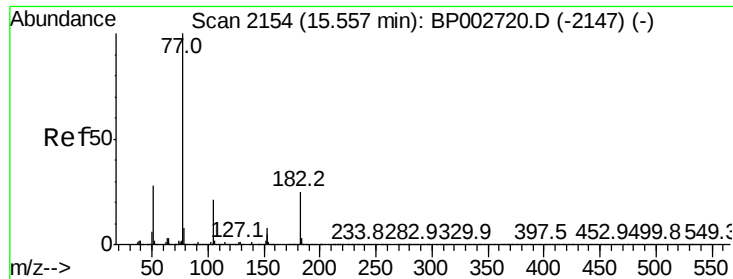
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:138 Resp: 48650

Ion	Ratio	Lower	Upper
138	100		
92	57.9	32.0	72.0
108	75.4	52.2	92.2

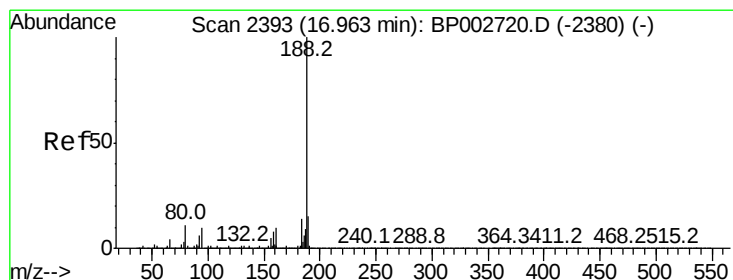
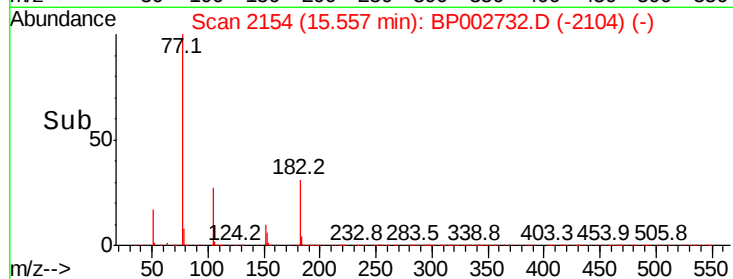
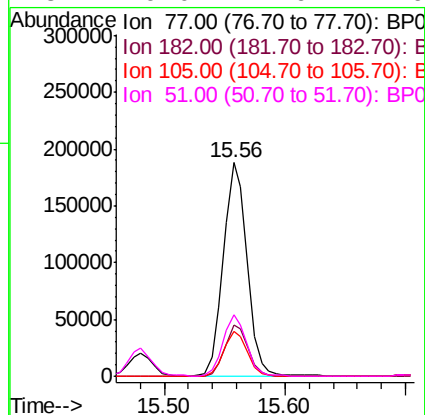
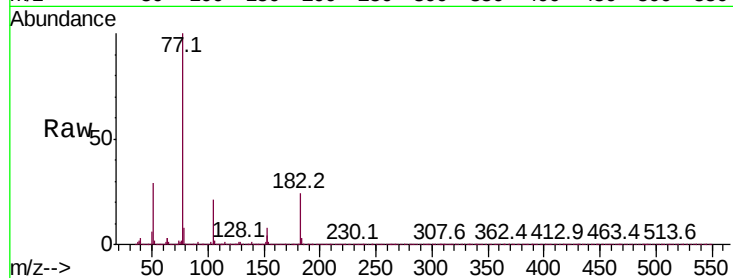




#63
Azobenzene
Concen: 8.921 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

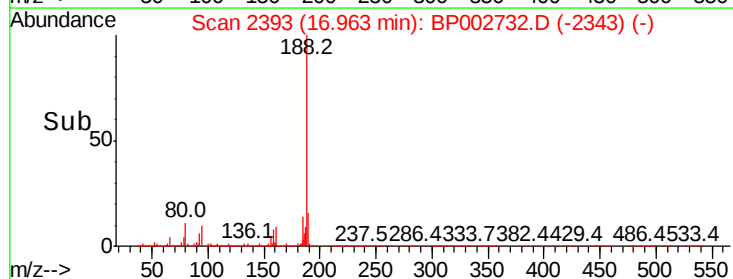
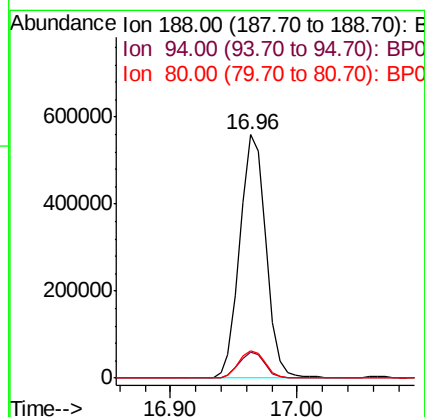
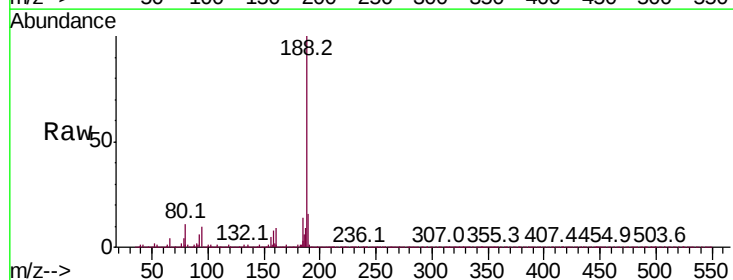
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

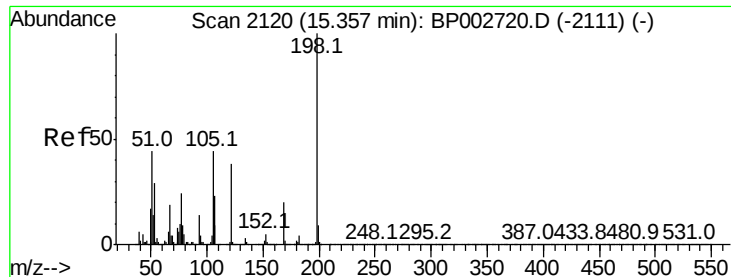
Tot Ion:	77	Resp:	253788
Ion	Ratio	Lower	Upper
77	100		
182	23.8	5.1	45.1
105	21.2	0.8	40.8
51	29.0	7.6	47.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:	188	Resp:	796350
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.2	8.9	13.3

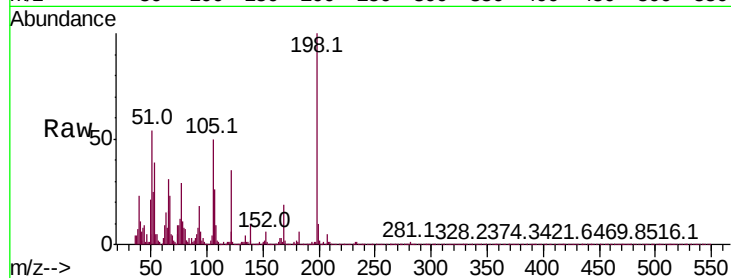




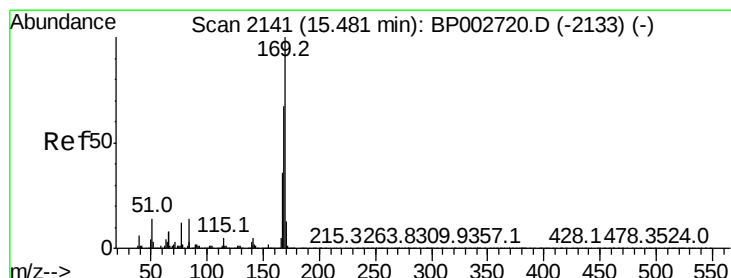
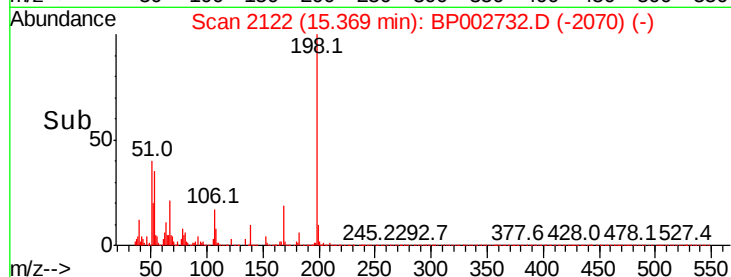
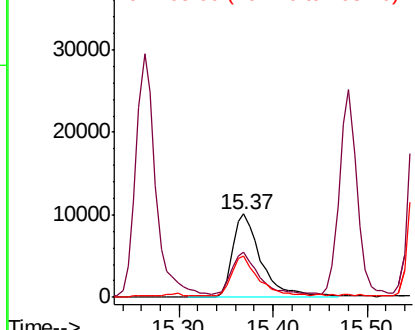
#65
4,6-Dinitro-2-methylphenol
Concen: 9.272 ng
RT: 15.37 min Scan# 2122
Delta R.T. 0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:198 Resp: 21414
Ion Ratio Lower Upper
198 100
51 53.8 27.1 67.1
105 49.6 24.9 64.9

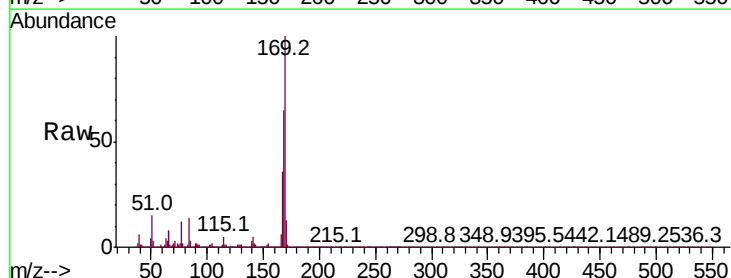


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BP
Ion 105.00 (104.70 to 105.70): E

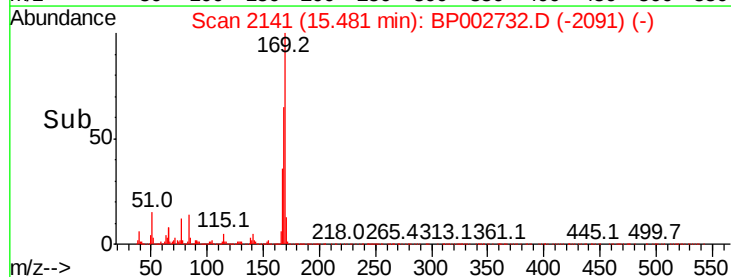
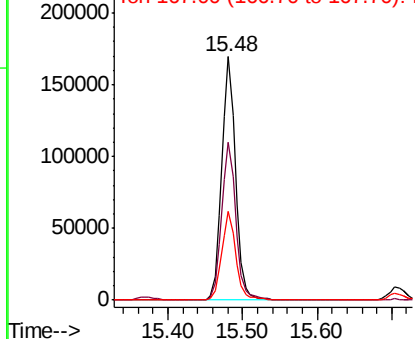


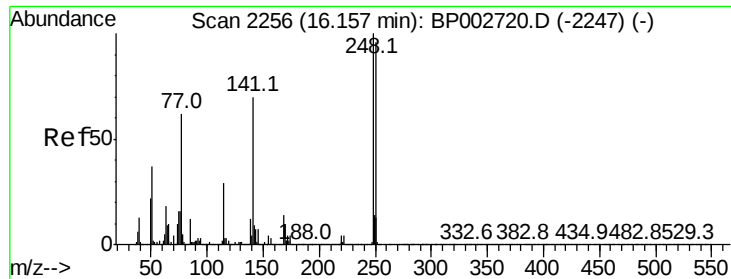
#66
n-Nitrosodiphenylamine
Concen: 9.286 ng
RT: 15.48 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:169 Resp: 218445
Ion Ratio Lower Upper
169 100
168 64.7 53.4 80.0
167 36.3 29.2 43.8



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

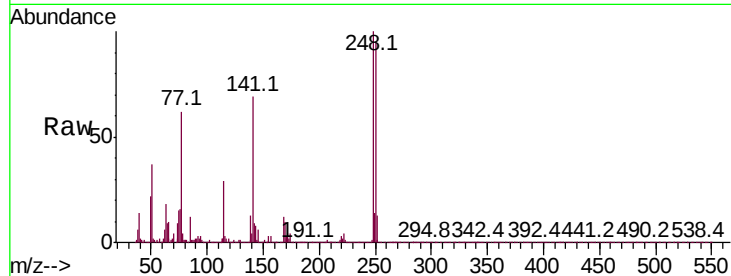




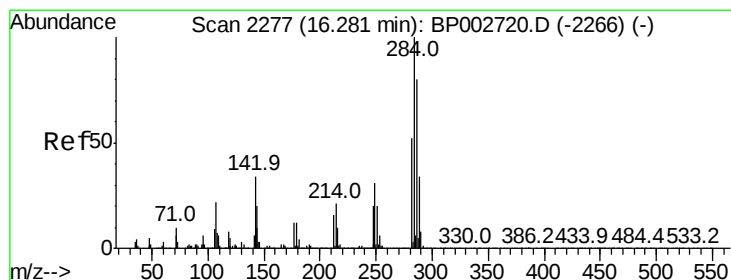
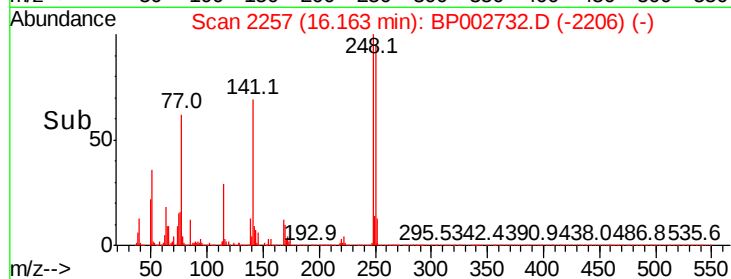
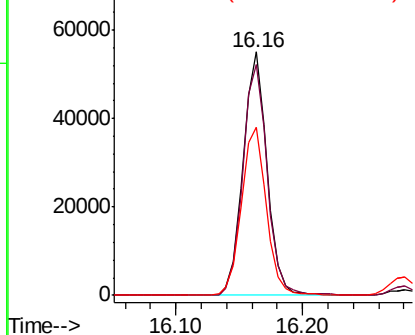
#67
4-Bromophenyl-phenylether
Concen: 8.289 ng
RT: 16.16 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:248 Resp: 71905
Ion Ratio Lower Upper
248 100
250 94.7 76.7 115.1
141 69.2 55.9 83.9

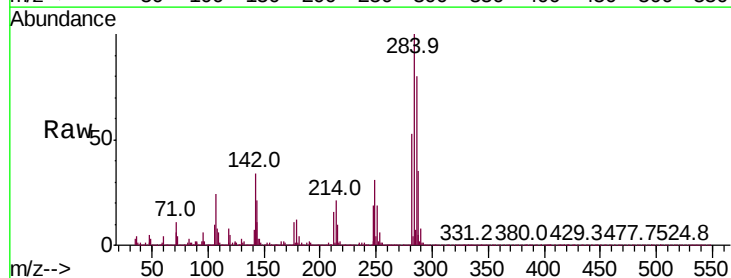


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

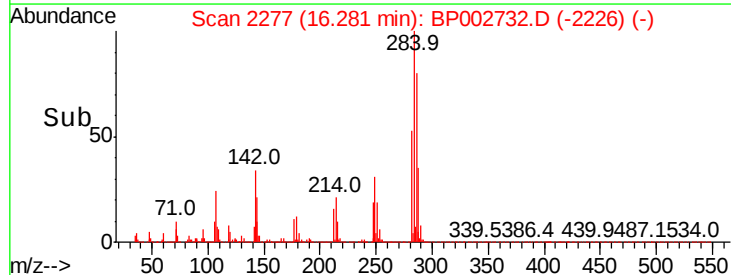
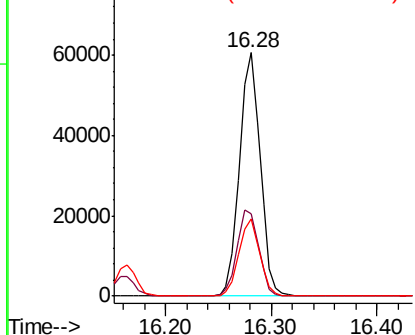


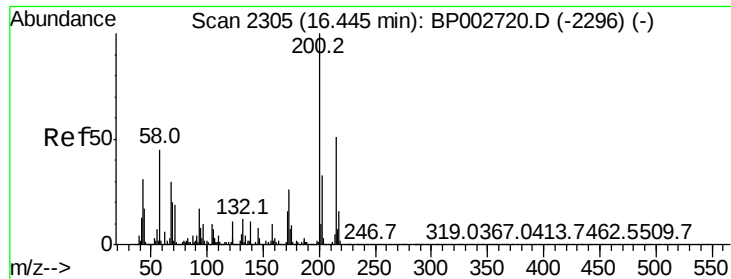
#68
Hexachlorobenzene
Concen: 8.945 ng
RT: 16.28 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:284 Resp: 81753
Ion Ratio Lower Upper
284 100
142 33.9 26.9 40.3
249 31.5 24.6 37.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 10.578 ng

RT: 16.45 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

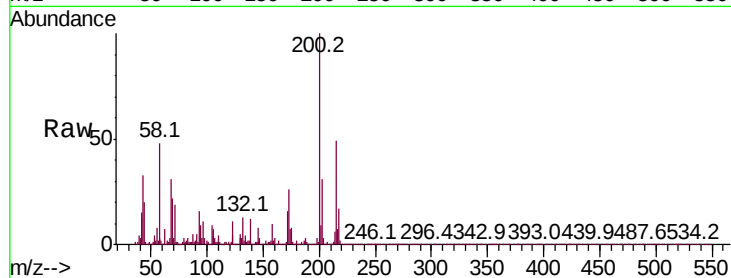
Tot Ion:200 Resp: 67936

Ion Ratio Lower Upper

200 100

173 26.1 6.3 46.3

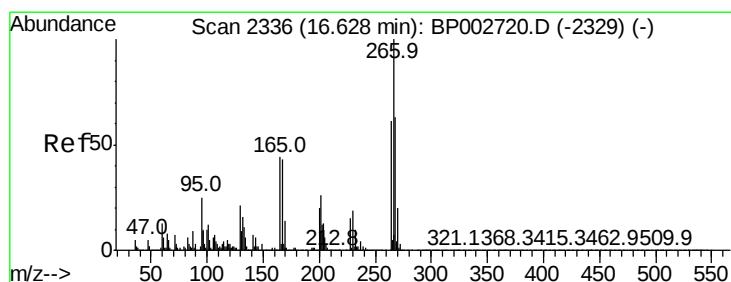
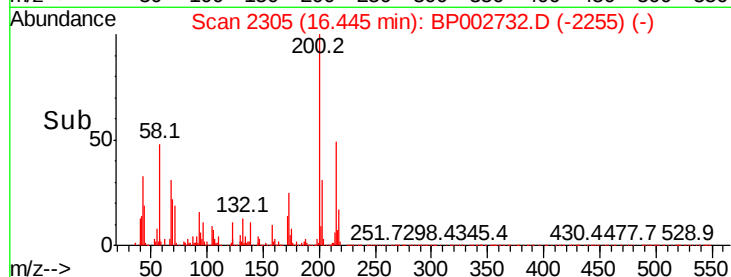
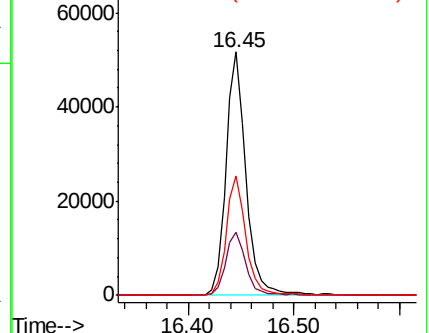
215 49.0 30.6 70.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 10.074 ng

RT: 16.64 min Scan# 2338

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

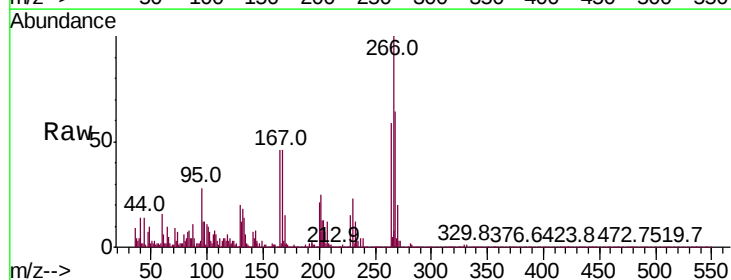
Tgt Ion:266 Resp: 12832

Ion Ratio Lower Upper

266 100

268 64.1 50.6 75.8

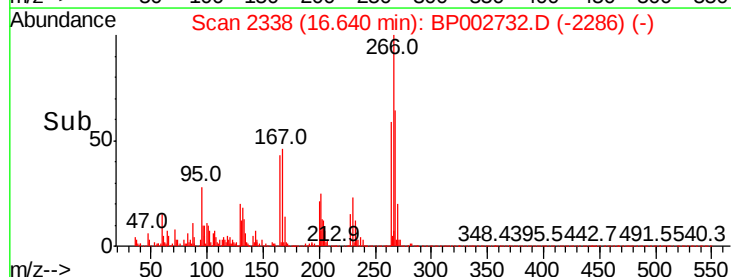
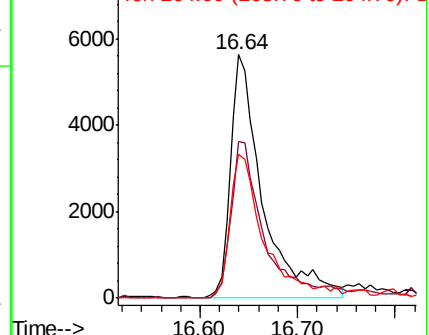
264 58.9 48.6 72.8

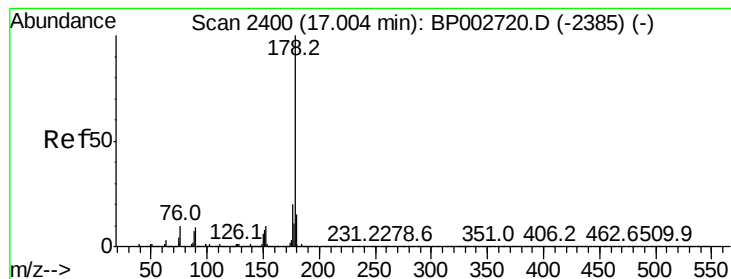


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 9.453 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

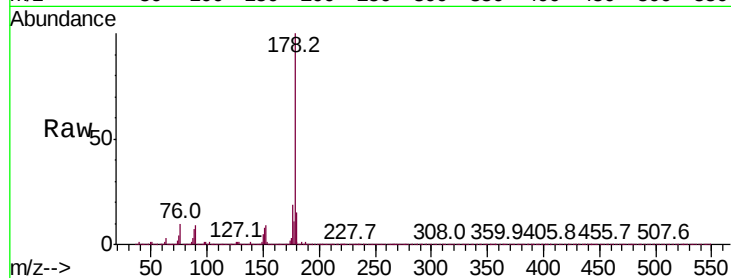
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:178 Resp: 407596

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.1	12.3	18.5

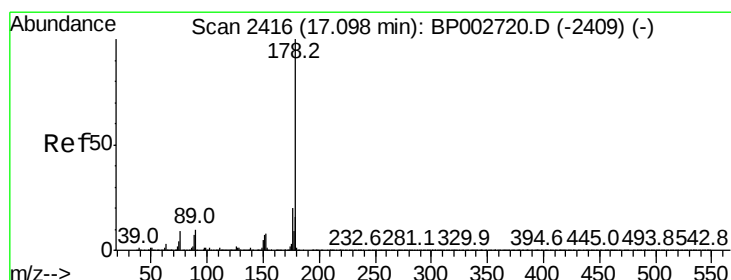
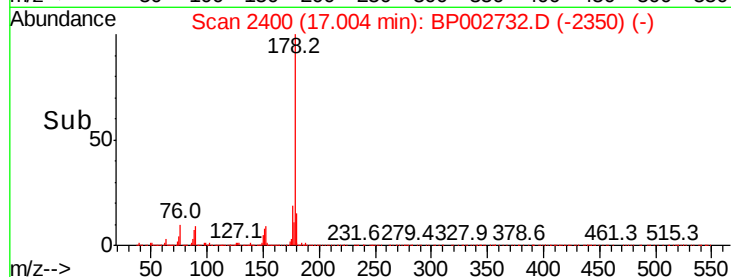
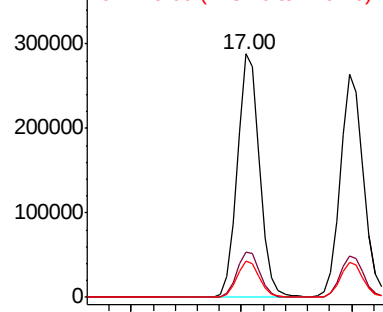


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.393 ng

RT: 17.10 min Scan# 2416

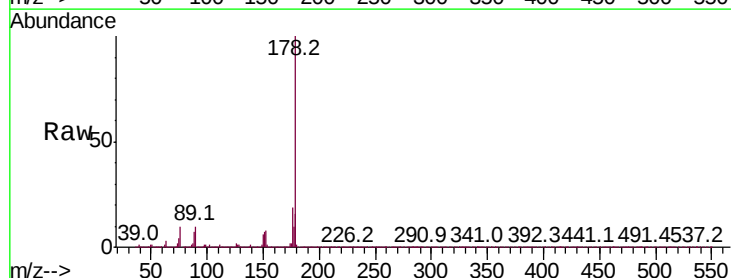
Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:178 Resp: 397447

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.6	12.6	19.0

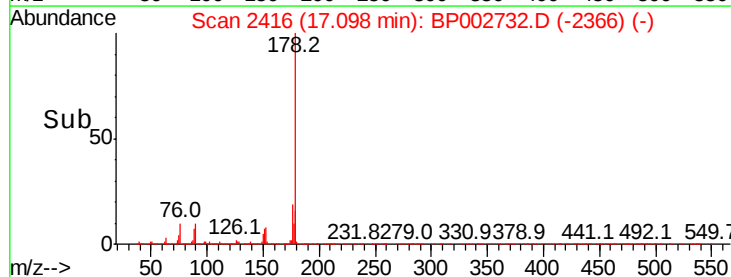
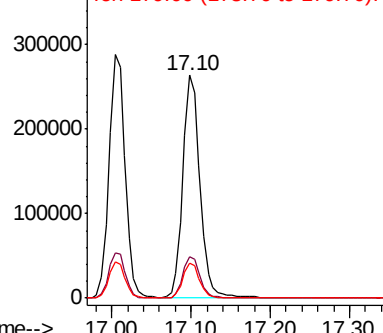


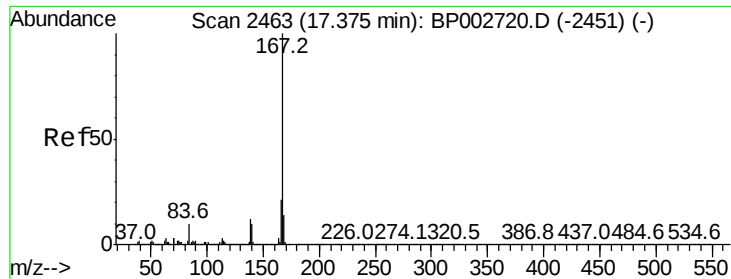
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 8.785 ng

RT: 17.37 min Scan# 2463

Delta R.T. -0.01 min

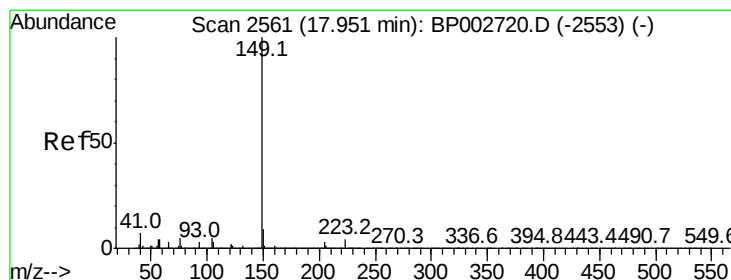
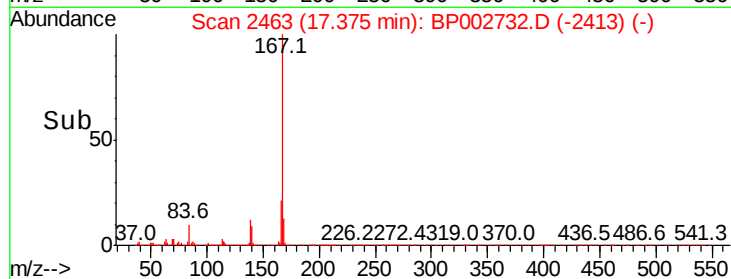
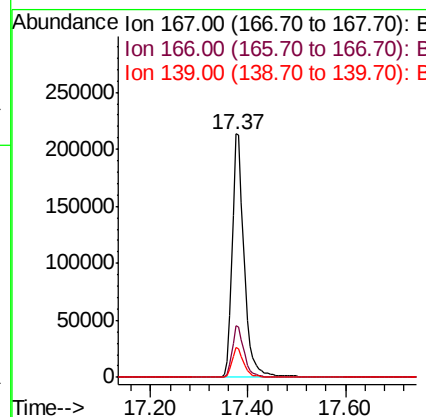
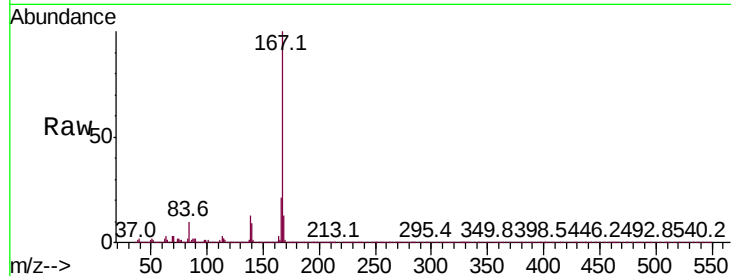
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:167 Resp: 364736

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.5	9.6	14.4



#74

Di-n-butylphthalate

Concen: 8.076 ng

RT: 17.95 min Scan# 2561

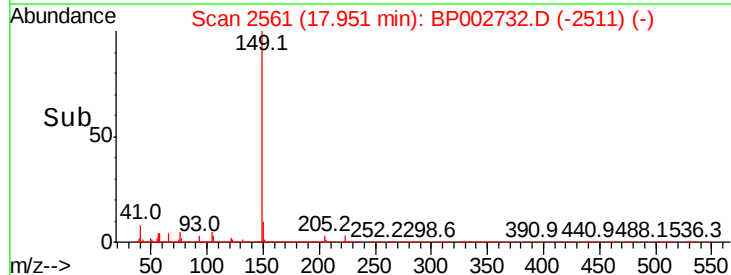
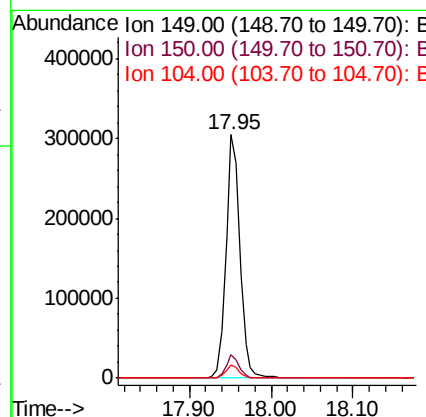
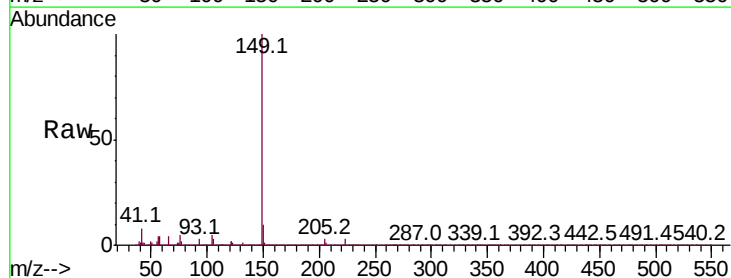
Delta R.T. -0.01 min

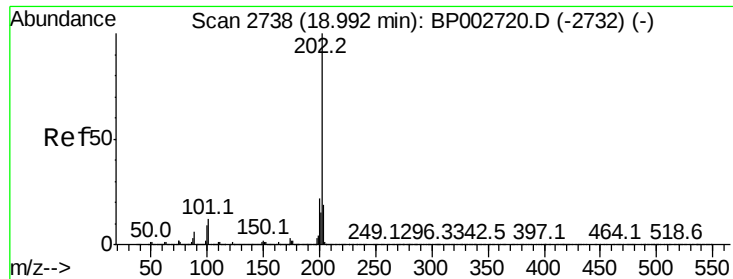
Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Tgt Ion:149 Resp: 363661

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	5.3	4.0	6.0

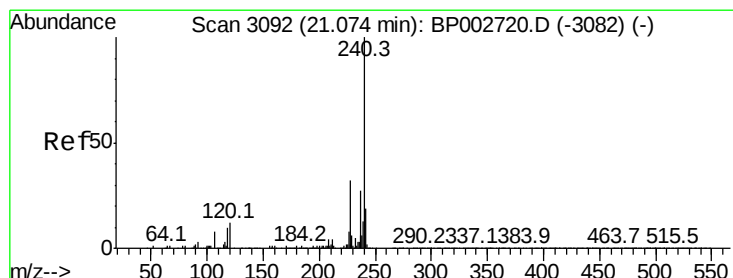
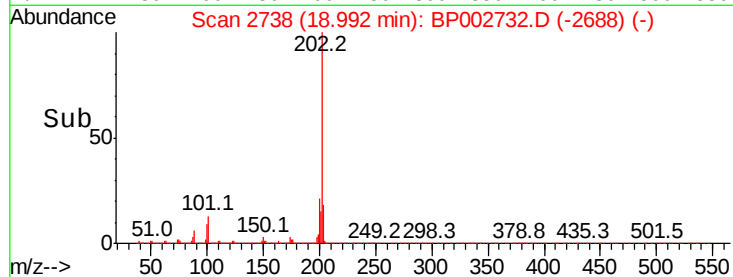
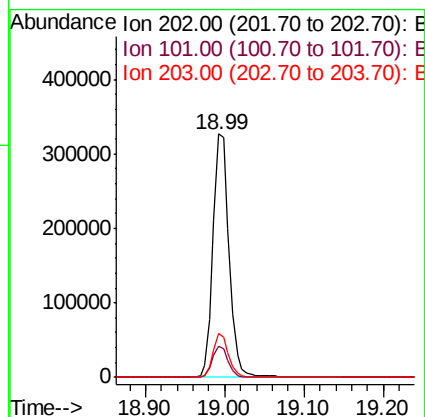
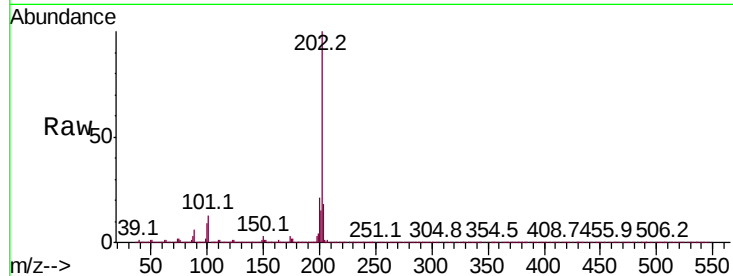




#75
Fluoranthene
Concen: 9.244 ng
RT: 18.99 min Scan# 2738
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

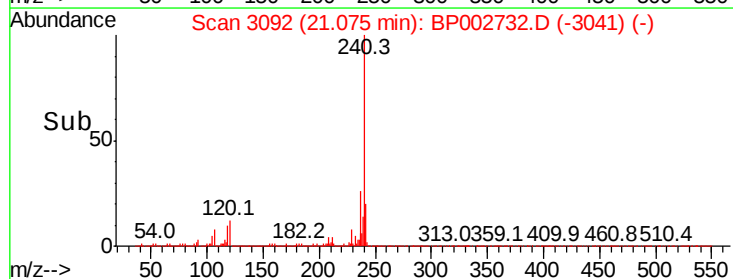
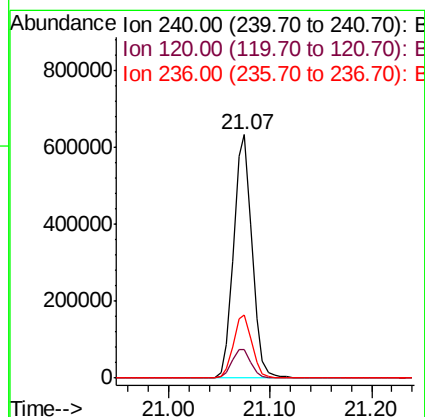
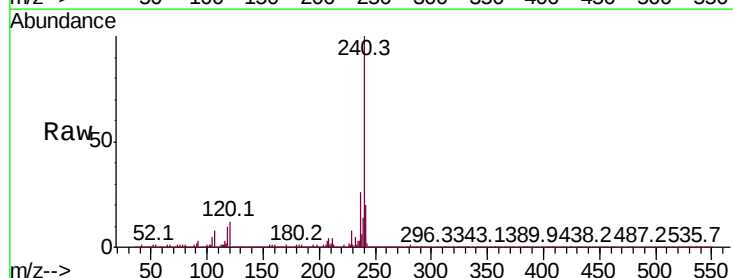
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

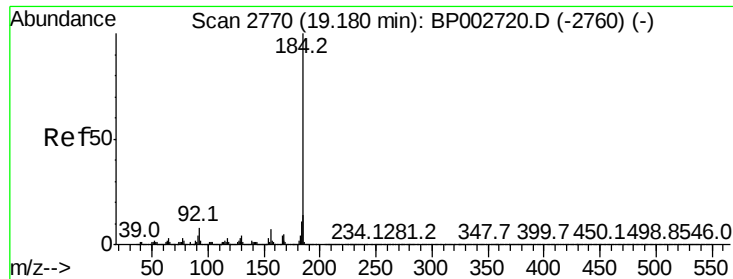
Tot Ion:202 Resp: 461859
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.5
203 17.9 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:240 Resp: 797500
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 26.0 21.3 31.9





#77

Benzidine

Concen: 8.156 ng

RT: 19.19 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

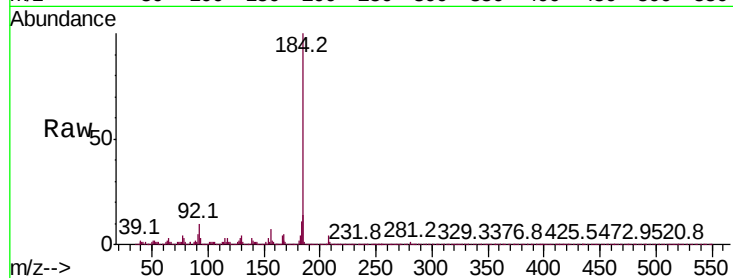
Tot Ion:184 Resp: 161219

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.2

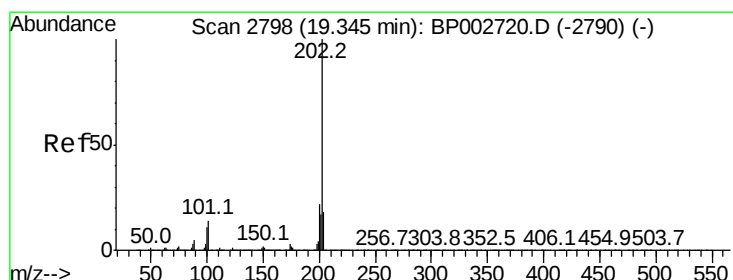
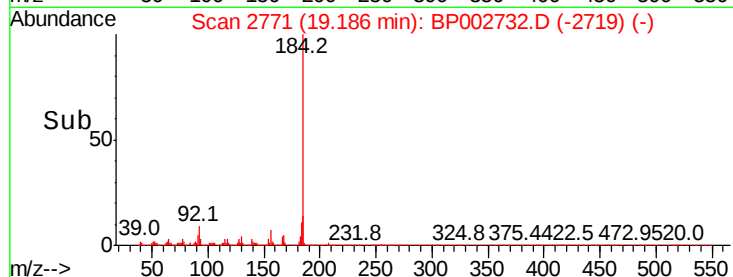
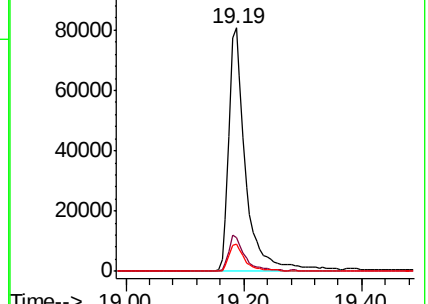
183 11.3 9.0 13.4



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



#78

Pyrene

Concen: 8.895 ng

RT: 19.35 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

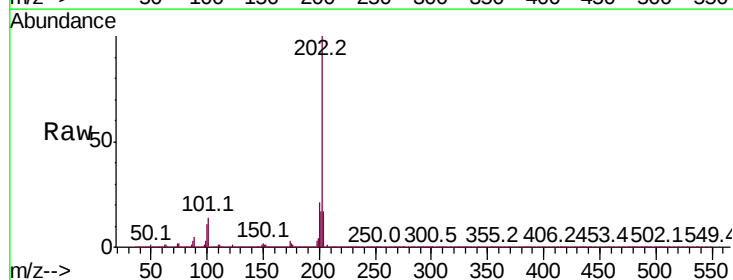
Tgt Ion:202 Resp: 489792

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

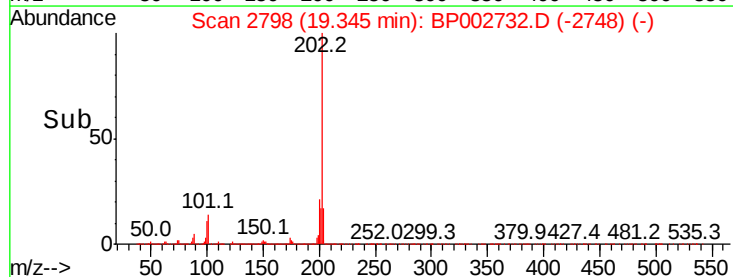
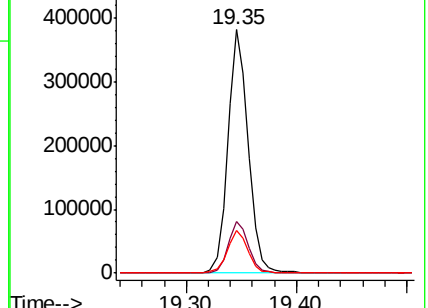
203 17.4 14.5 21.7

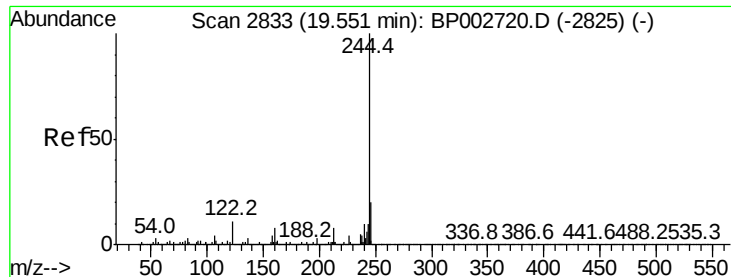


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.367 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

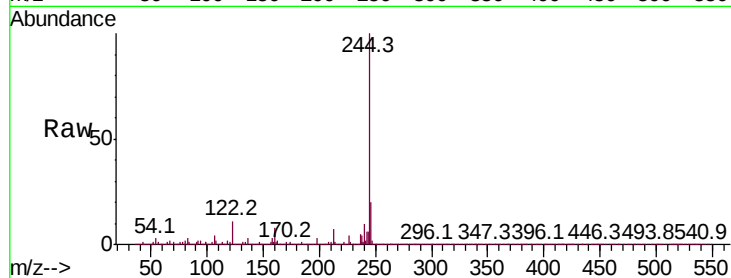
Tot Ion:244 Resp: 2204165

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

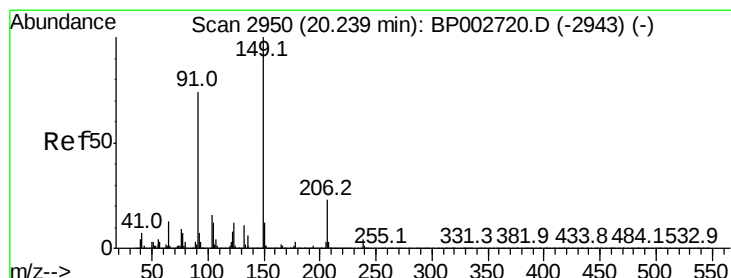
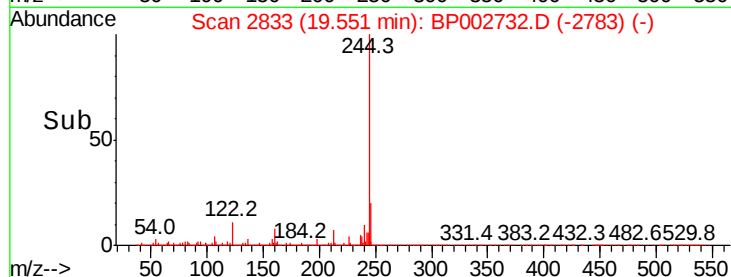
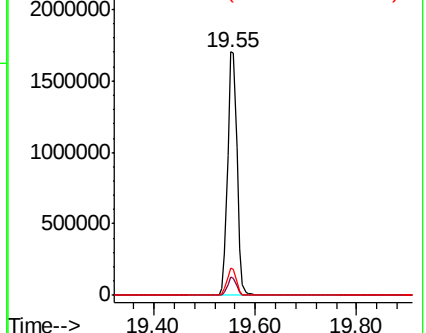
122 11.4 8.9 13.3



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



#80

Butylbenzylphthalate

Concen: 7.093 ng

RT: 20.24 min Scan# 2950

Delta R.T. 0.00 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

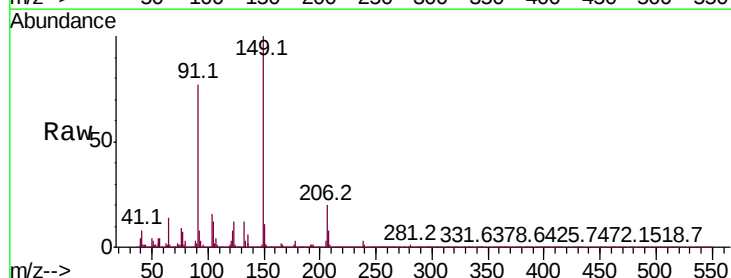
Tgt Ion:149 Resp: 154121

Ion Ratio Lower Upper

149 100

91 77.4 59.4 89.2

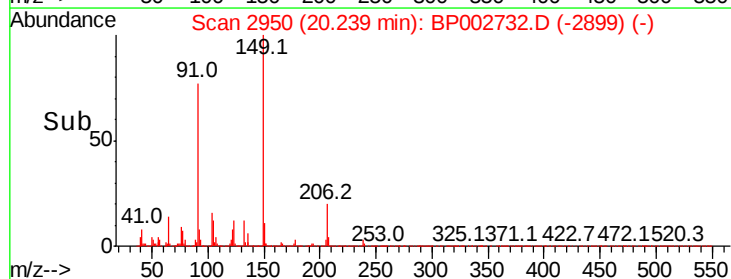
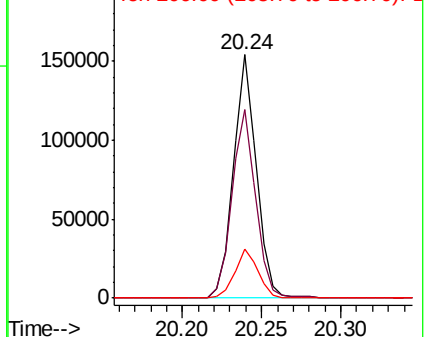
206 20.3 18.3 27.5

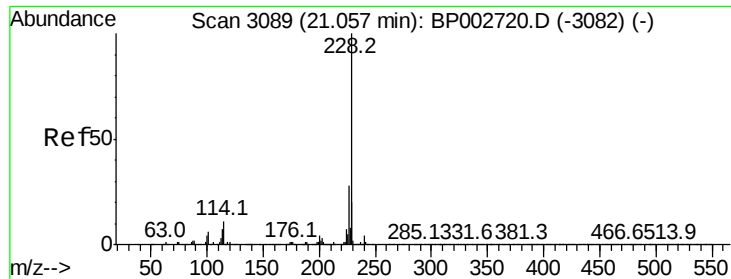


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

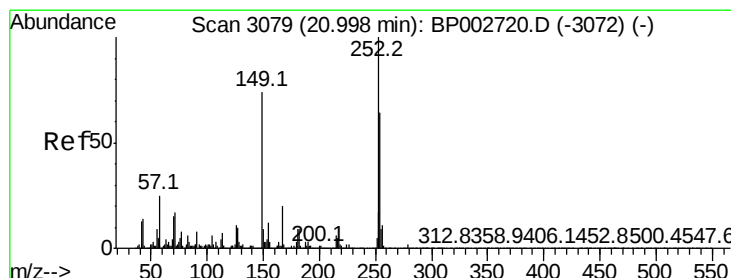
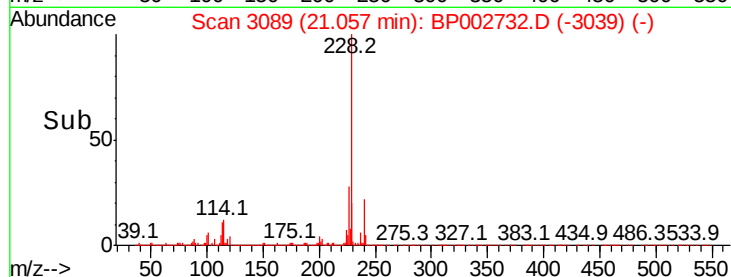
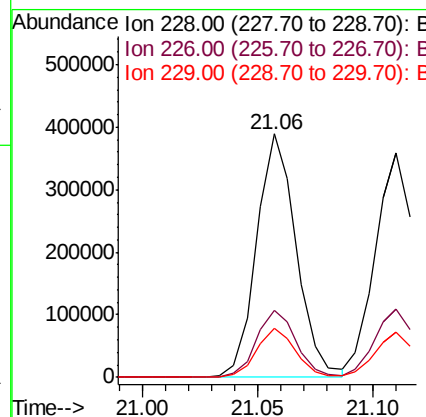
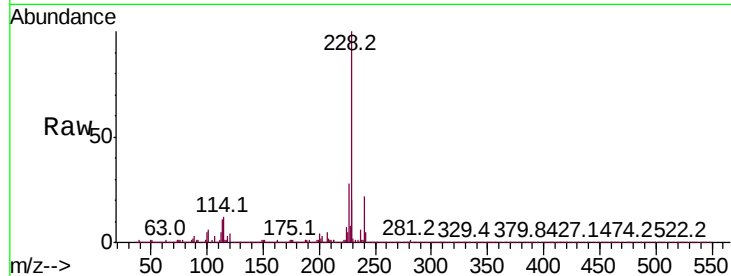




#81
Benzo(a)anthracene
Concen: 9.022 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

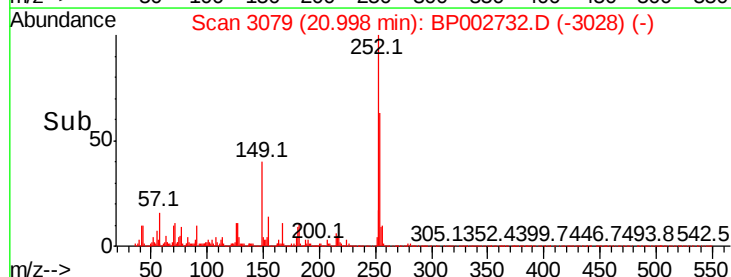
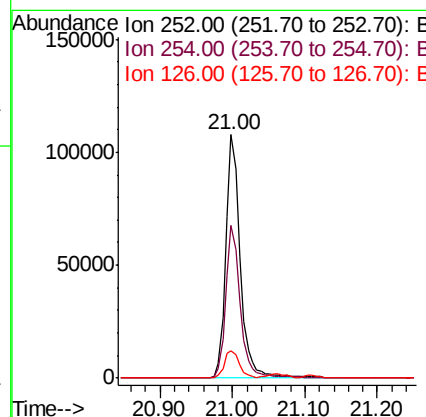
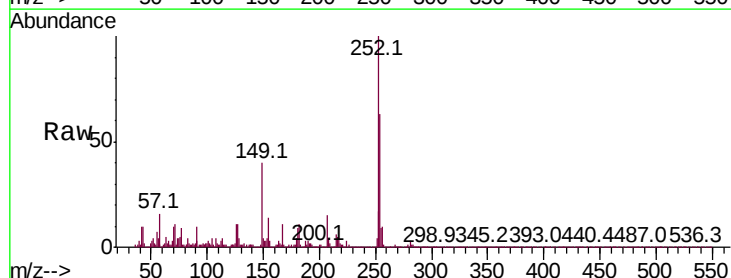
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

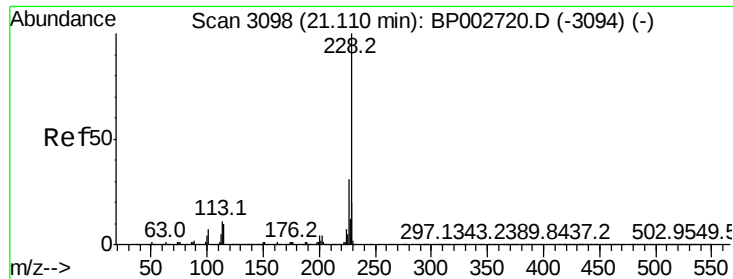
Tot Ion:228 Resp: 465739
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 8.776 ng
RT: 21.00 min Scan# 3079
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:252 Resp: 150045
Ion Ratio Lower Upper
252 100
254 62.8 51.0 76.4
126 11.3 8.4 12.6

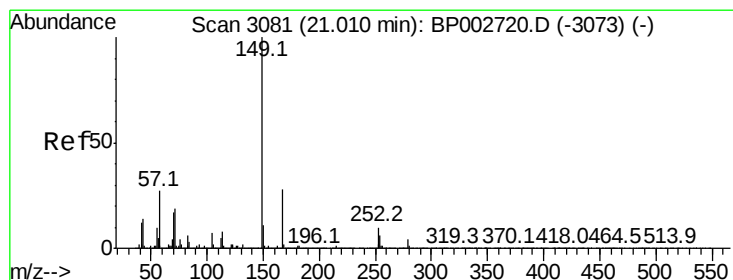
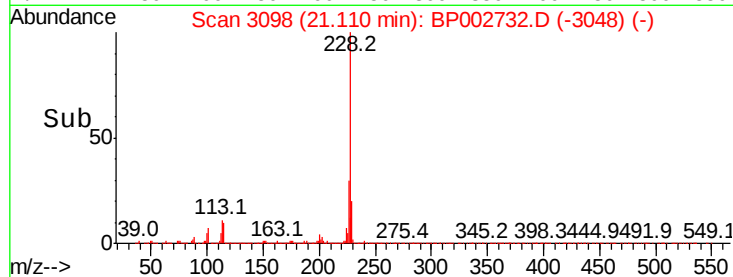
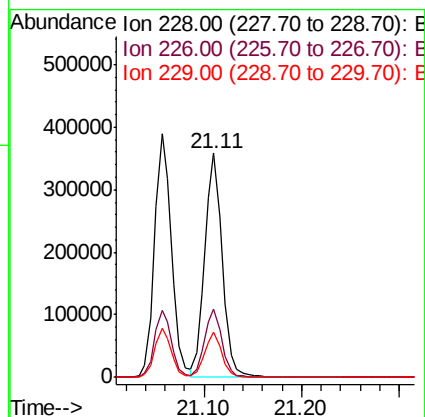
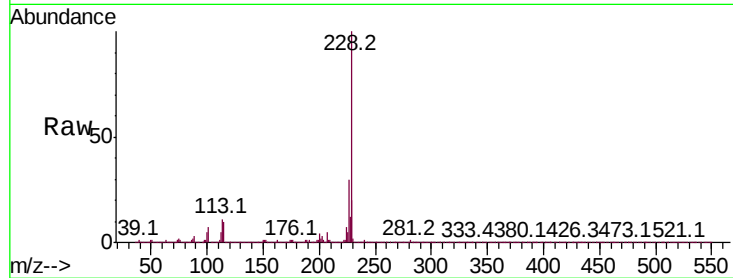




#83
Chrysene
Concen: 9.040 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

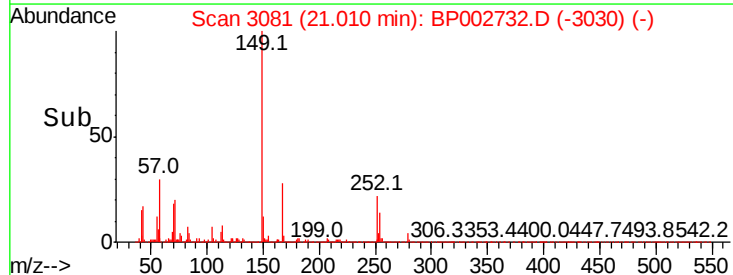
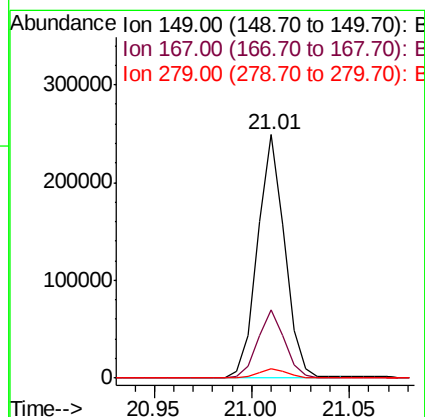
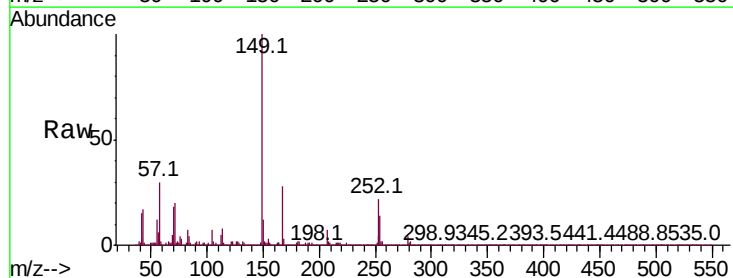
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

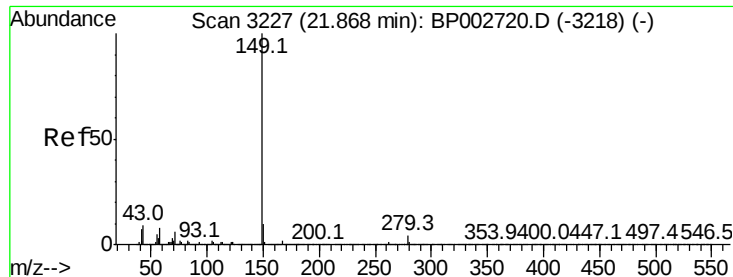
Tot Ion:228 Resp: 444228
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 20.1 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.919 ng
RT: 21.01 min Scan# 3081
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion:149 Resp: 239325
Ion Ratio Lower Upper
149 100
167 27.9 22.4 33.6
279 3.8 3.5 5.3

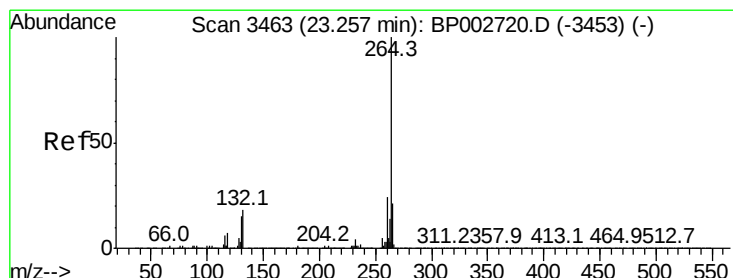
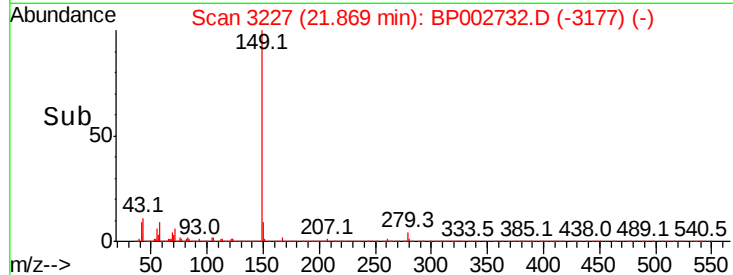
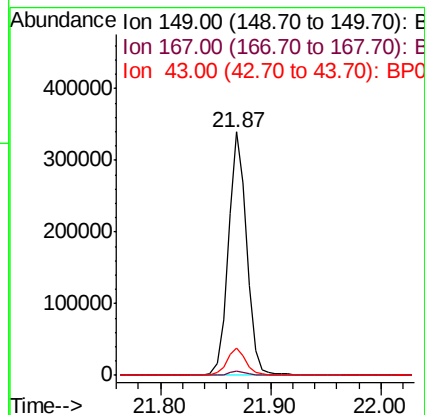
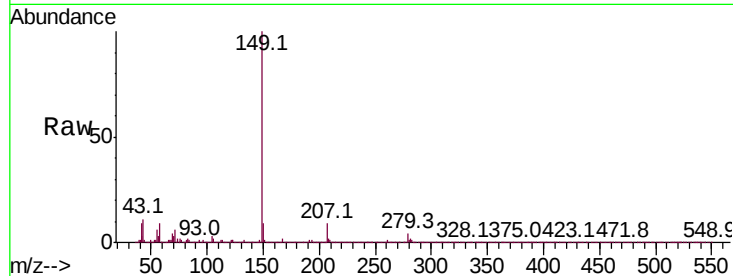




#85
Di-n-octyl phthalate
Concen: 7.174 ng
RT: 21.87 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

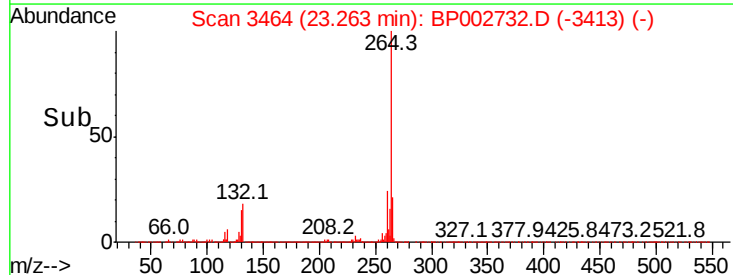
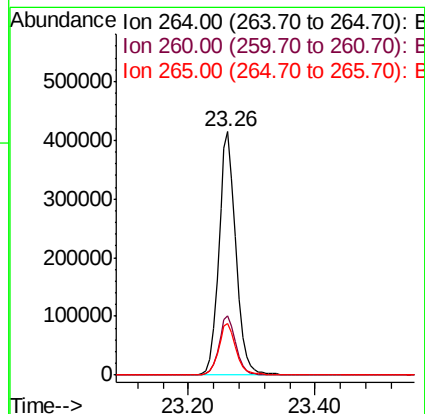
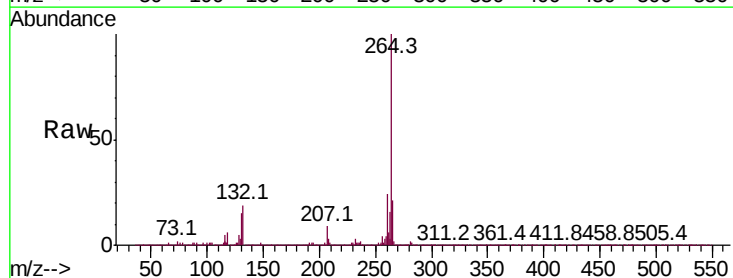
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

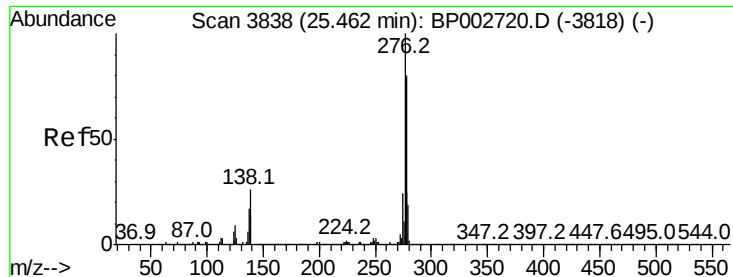
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.4	8.2	12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.1	16.8	25.2

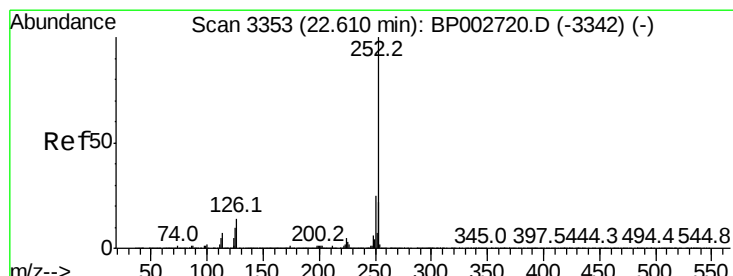
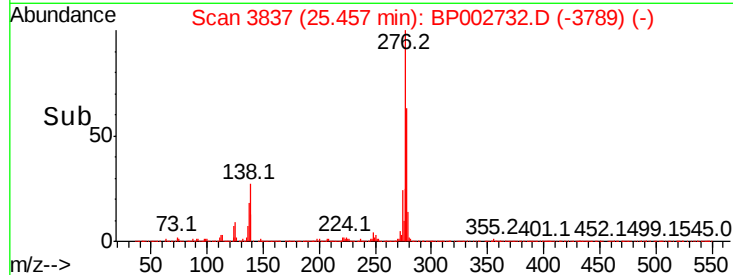
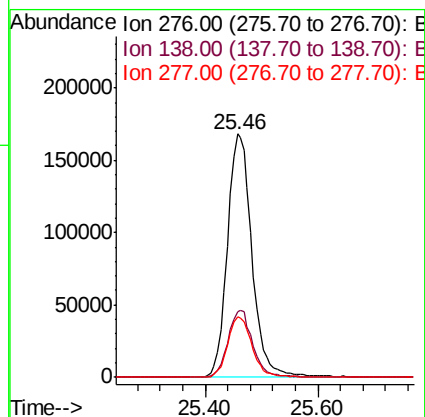
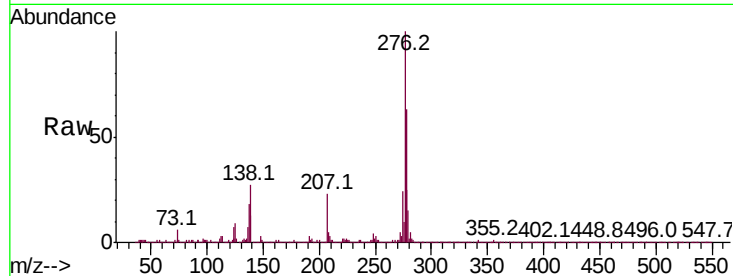




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.008 ng
 RT: 25.46 min Scan# 3837
 Delta R.T. -0.02 min
 Lab File: BP002732.D
 Acq: 13 Jul 2020 12:57

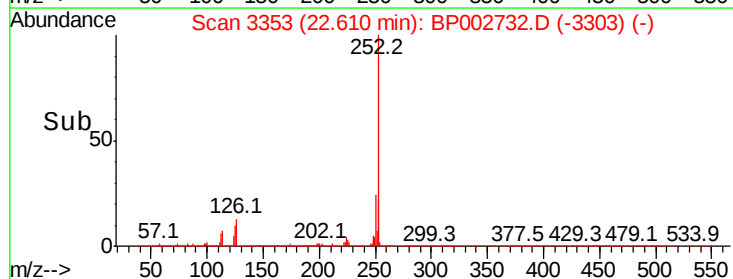
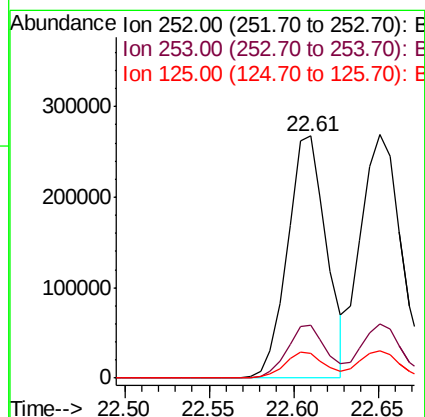
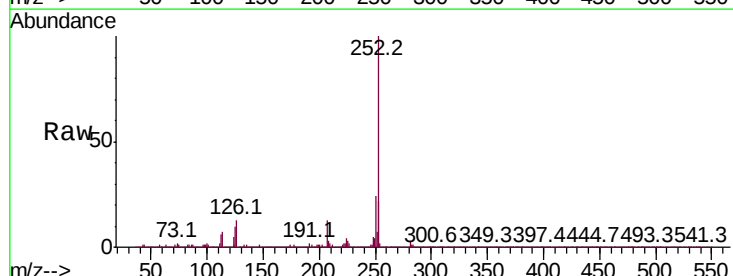
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

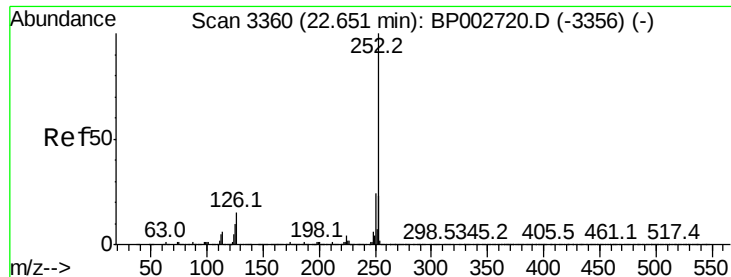
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.8	31.2
277	24.8	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 8.782 ng
 RT: 22.61 min Scan# 3353
 Delta R.T. -0.01 min
 Lab File: BP002732.D
 Acq: 13 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.4	8.2	12.2

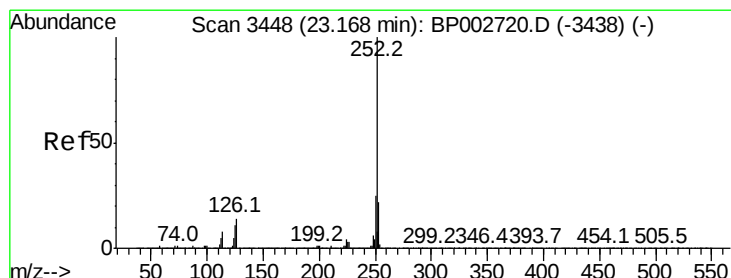
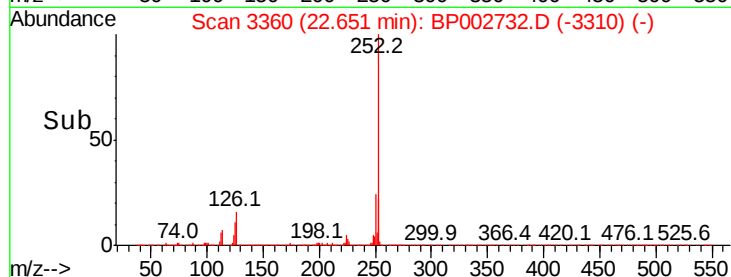
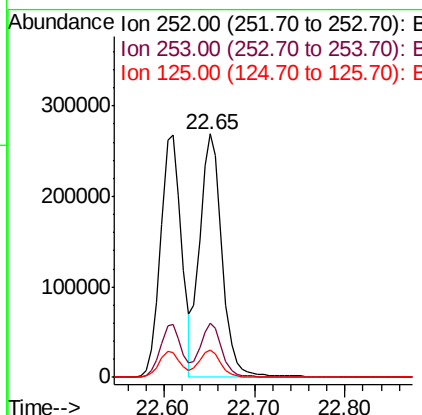
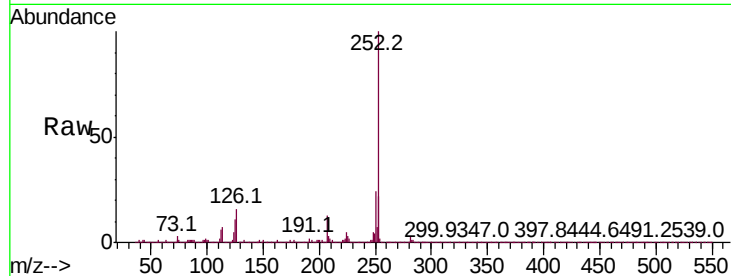




#89
Benzo(k)fluoranthene
Concen: 9.599 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

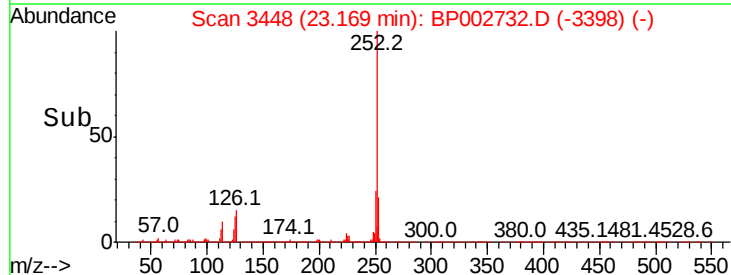
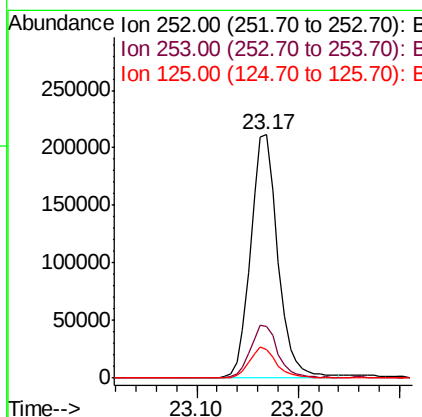
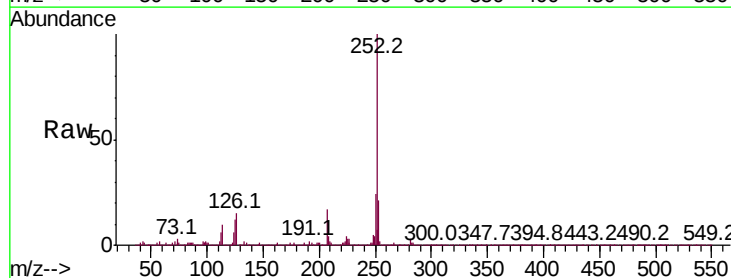
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2020

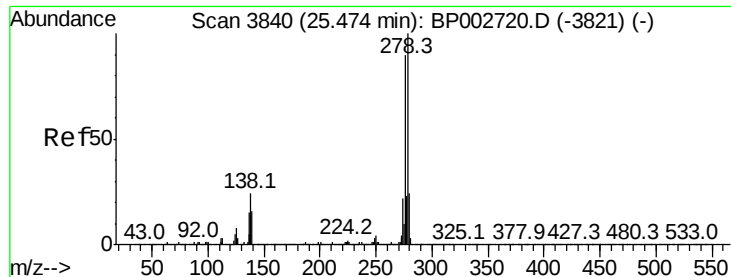
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.3	12.5



#90
Benzo(a)pyrene
Concen: 8.549 ng
RT: 23.17 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BP002732.D
Acq: 13 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	11.8	8.6	13.0





#91

Dibenzo(a,h)anthracene

Concen: 9.223 ng

RT: 25.47 min Scan# 3840

Delta R.T. -0.01 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2020

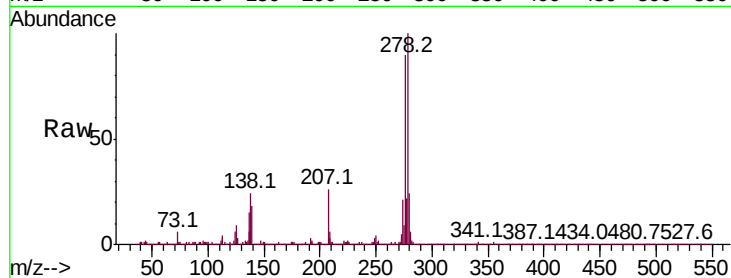
Tot Ion:278 Resp: 421012

Ion Ratio Lower Upper

278 100

139 17.7 13.1 19.7

279 23.5 19.0 28.6

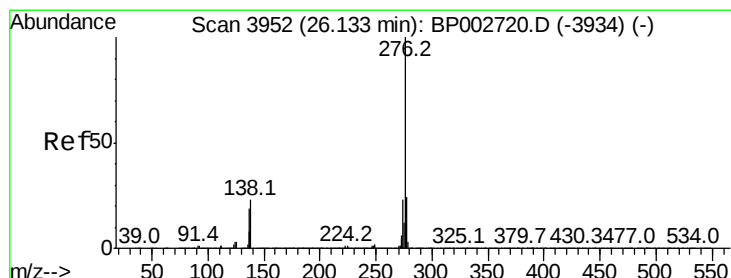
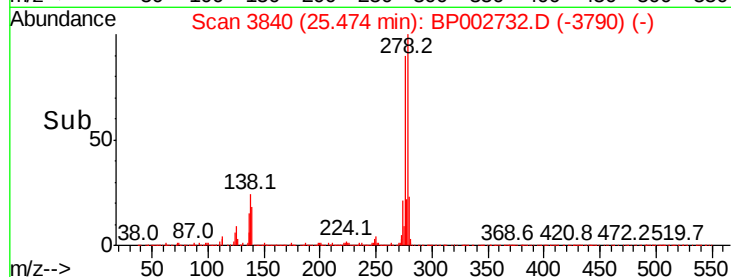
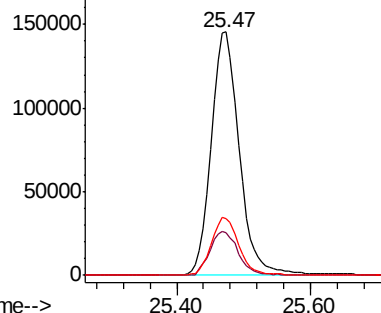


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.123 ng

RT: 26.13 min Scan# 3951

Delta R.T. -0.02 min

Lab File: BP002732.D

Acq: 13 Jul 2020 12:57

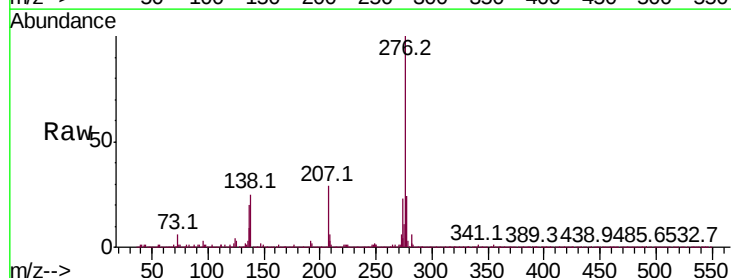
Tgt Ion:276 Resp: 422223

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 24.7 18.3 27.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

