

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061220\
 Data File : BP002402.D
 Acq On : 12 Jun 2020 17:37
 Operator : CG/JU
 Sample : L2182-02
 Misc : L00-S-10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: Jun 12 18:13:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:44:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	155748	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	629522	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	382370	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	806795	20.00	ng	0.00
76) Chrysene-d12	21.10	240	759694	20.00	ng	0.00
86) Perylene-d12	23.30	264	850892	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1401409	166.50	ng	0.00
7) Phenol-d6	6.78	99	1900131	169.56	ng	0.00
23) Nitrobenzene-d5	8.73	82	1278644	121.30	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	669021	182.75	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2522725	110.93	ng	0.00
79) Terphenyl-d14	19.59	244	3462626	119.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.16	88	42061	10.848	ng	99
3) Pyridine	3.55	79	102945	9.769	ng	97
4) n-Nitrosodimethylamine	3.46	42	42846	9.866	ng	# 96
6) Aniline	6.92	93	161490	10.596	ng	98
8) 2-Chlorophenol	7.16	128	100245	10.592	ng	98
9) Benzaldehyde	6.73	77	95442	16.670	ng	95
10) Phenol	6.80	94	131770	10.842	ng	99
11) bis(2-Chloroethyl)ether	7.03	93	106057	10.452	ng	99
12) 1,3-Dichlorobenzene	7.48	146	110564	10.146	ng	99
13) 1,4-Dichlorobenzene	7.63	146	112025	10.217	ng	96
14) 1,2-Dichlorobenzene	7.94	146	109042	10.382	ng	96
15) Benzyl Alcohol	7.83	79	83878	9.657	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.12	45	145131	10.080	ng	99
17) 2-Methylphenol	8.04	107	82673	9.309	ng	97
18) Hexachloroethane	8.66	117	40915	10.243	ng	96
19) n-Nitroso-di-n-propylamine	8.39	70	82423	11.004	ng	98
20) 3+4-Methylphenols	8.36	107	111439	9.297	ng	96
22) Acetophenone	8.40	105	166758	11.791	ng	# 99
24) Nitrobenzene	8.78	77	126690	11.180	ng	99
25) Isophorone	9.30	82	226693	10.559	ng	98
26) 2-Nitrophenol	9.49	139	48157	9.537	ng	99
27) 2,4-Dimethylphenol	9.56	122	75914	9.583	ng	98
28) bis(2-Chloroethoxy)methane	9.79	93	141009	11.027	ng	99
29) 2,4-Dichlorophenol	10.02	162	86681	9.721	ng	99
30) 1,2,4-Trichlorobenzene	10.23	180	102253	10.288	ng	98
31) Naphthalene	10.42	128	320940	10.974	ng	100
32) Benzoic acid	9.65	122	20066	3.330	ng	97
33) 4-Chloroaniline	10.53	127	129248	10.123	ng	98
34) Hexachlorobutadiene	10.72	225	56120	9.675	ng	98
35) Caprolactam	11.26	113	31430	9.994	ng	97
36) 4-Chloro-3-methylphenol	11.67	107	97718	10.128	ng	99
37) 2-Methylnaphthalene	12.04	142	231145	11.135	ng	98
38) 1-Methylnaphthalene	12.26	142	217933	11.185	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	115958	11.504	ng	100

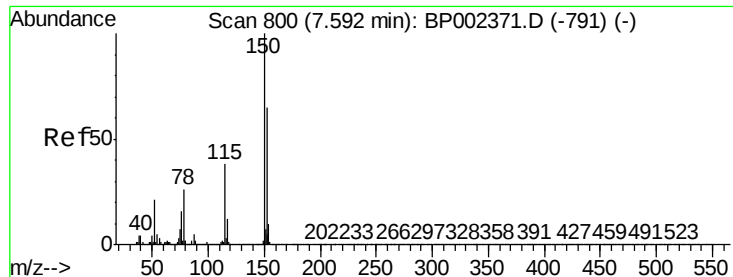
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	45753	8.538	nq	98
43) 2,4,6-Trichlorophenol	12.66	196	68553	9.610	nq	98
44) 2,4,5-Trichlorophenol	12.73	196	75246	9.110	nq	97
46) 1,1'-Biphenyl	13.07	154	307829	12.284	nq	97
47) 2-Chloronaphthalene	13.10	162	223266	10.892	nq	100
48) 2-Nitroaniline	13.31	65	60742	9.283	nq	97
49) Acenaphthylene	13.96	152	358698	10.964	nq	99
50) Dimethylphthalate	13.70	163	277308	10.584	nq	99
51) 2,6-Dinitrotoluene	13.82	165	55725	9.794	nq	97
52) Acenaphthene	14.30	154	214475	11.190	nq	100
53) 3-Nitroaniline	14.14	138	57056	8.782	nq	95
54) 2,4-Dinitrophenol	14.36	184	18760	6.011	nq	95
55) Dibenzofuran	14.65	168	346690	11.235	nq	100
56) 4-Nitrophenol	14.47	139	42379	8.215	nq	93
57) 2,4-Dinitrotoluene	14.61	165	71455	9.226	nq	93
58) Fluorene	15.30	166	269580	11.107	nq	96
59) 2,3,4,6-Tetrachlorophenol	14.87	232	65364	9.969	nq	98
60) Diethylphthalate	15.09	149	273576	10.421	nq	97
61) 4-Chlorophenyl-phenylether	15.30	204	138477	11.770	nq	95
62) 4-Nitroaniline	15.31	138	56397	9.034	nq	96
63) Azobenzene	15.59	77	290658	11.123	nq	97
65) 4,6-Dinitro-2-methylphenol	15.38	198	34502	8.104	nq	93
66) n-Nitrosodiphenylamine	15.52	169	238912	11.592	nq	97
67) 4-Bromophenyl-phenylether	16.20	248	79826	10.445	nq	95
68) Hexachlorobenzene	16.31	284	88258	10.882	nq	95
69) Atrazine	16.47	200	84544	12.575	nq	97
70) Pentachlorophenol	16.66	266	40297	8.305	nq	98
71) Phenanthrene	17.04	178	438436	11.617	nq	99
72) Anthracene	17.13	178	433822	11.571	nq	97
73) Carbazole	17.40	167	396937	10.762	nq	99
74) Di-n-butylphthalate	17.99	149	435218	9.971	nq	99
75) Fluoranthene	19.02	202	493577	10.956	nq	98
77) Benzidine	19.21	184	223774	13.182	nq	98
78) Pyrene	19.37	202	525078	11.284	nq	99
80) Butylbenzylphthalate	20.27	149	184306	8.910	nq	98
81) Benzo(a)anthracene	21.09	228	505241	11.651	nq	99
82) 3,3'-Dichlorobenzidine	21.03	252	188367	11.689	nq	98
83) Chrysene	21.14	228	483970	11.780	nq	99
84) Bis(2-ethylhexyl)phthalate	21.04	149	309442	10.284	nq	97
85) Di-n-octyl phthalate	21.91	149	502991	9.531	nq	99
87) Indeno(1,2,3-cd)pyrene	25.52	276	564709	10.611	nq	97
88) Benzo(b)fluoranthene	22.64	252	500102	10.899	nq	97
89) Benzo(k)fluoranthene	22.64	252	500102	11.471	nq	96
90) Benzo(a)pyrene	23.21	252	439010	10.209	nq	99
91) Dibenzo(a,h)anthracene	25.53	278	470814	11.028	nq	# 95
92) Benzo(g,h,i)perylene	26.19	276	477391	10.797	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT2-2020

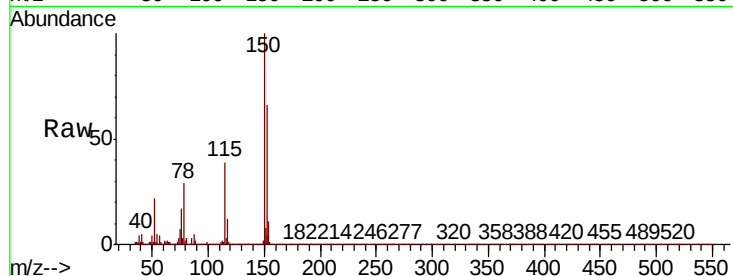
Tot Ion:152 Resp: 155748

Ion Ratio Lower Upper

152 100

150 150.5 124.0 186.0

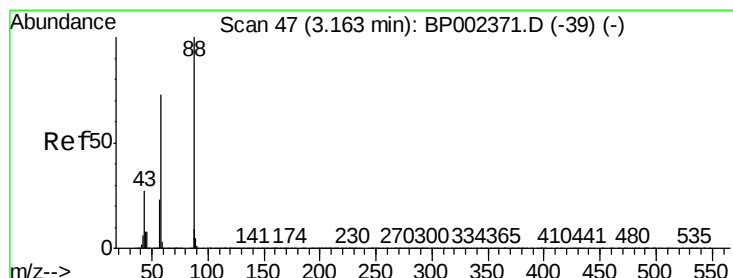
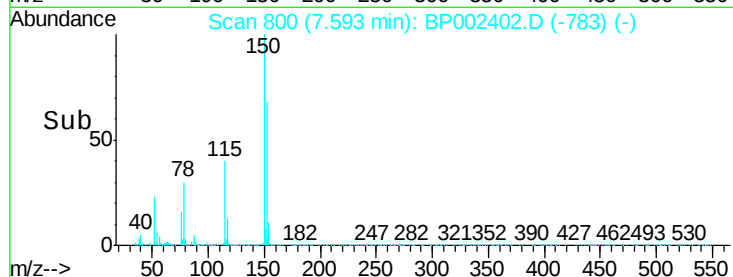
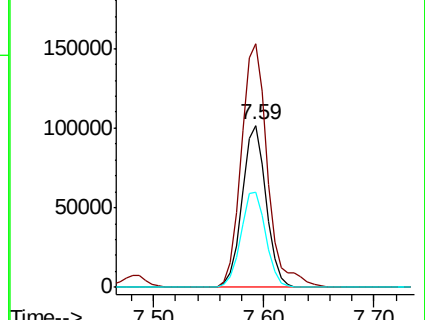
115 59.0 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 10.848 ng

RT: 3.16 min Scan# 47

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

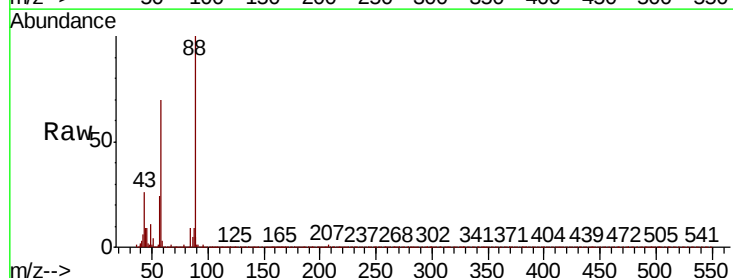
Tgt Ion: 88 Resp: 42061

Ion Ratio Lower Upper

88 100

58 73.3 58.2 87.4

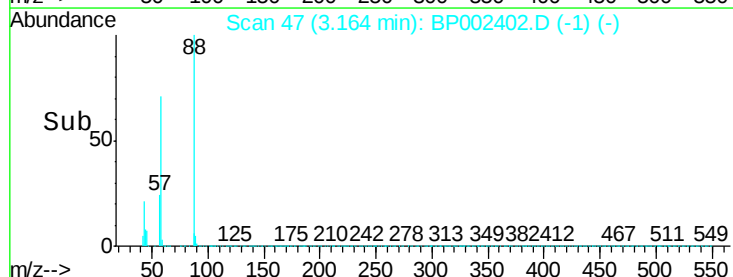
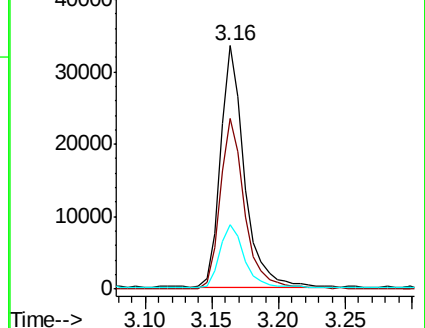
43 27.9 21.8 32.8

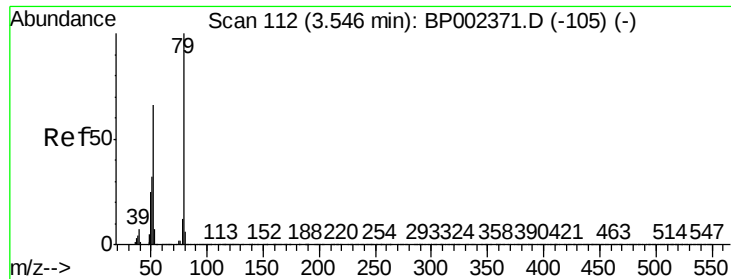


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 9.769 ng

RT: 3.55 min Scan# 112

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

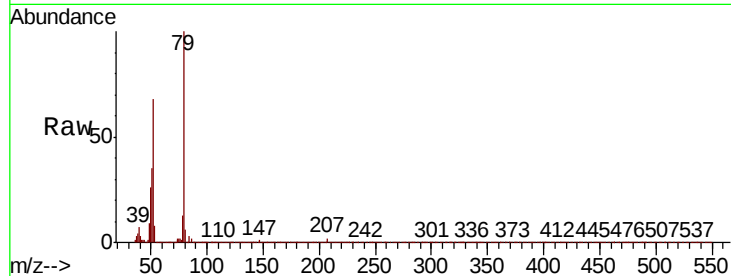
Tot Ion: 79 Resp: 102945

Ion Ratio Lower Upper

79 100

52 67.6 52.5 78.7

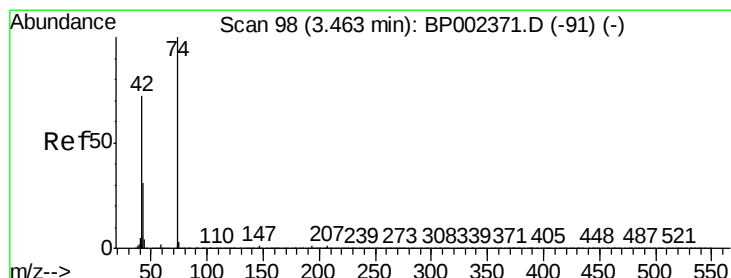
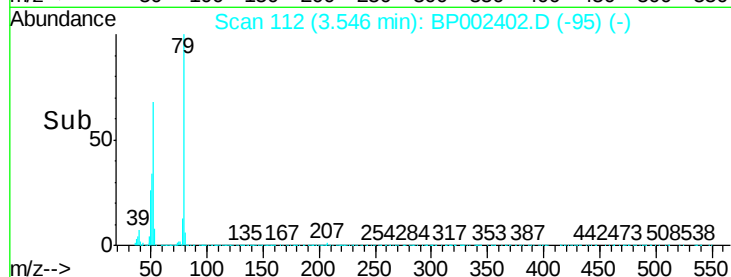
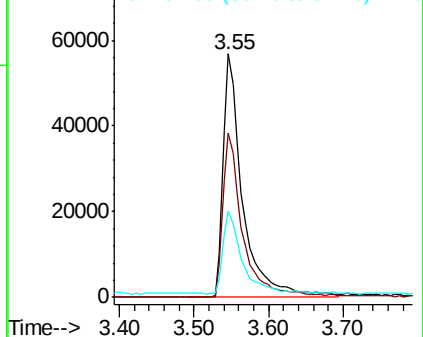
51 35.2 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 52.00 (51.70 to 52.70): BP0

Ion 51.00 (50.70 to 51.70): BP0



#4

n-Nitrosodimethylamine

Concen: 9.866 ng

RT: 3.46 min Scan# 98

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

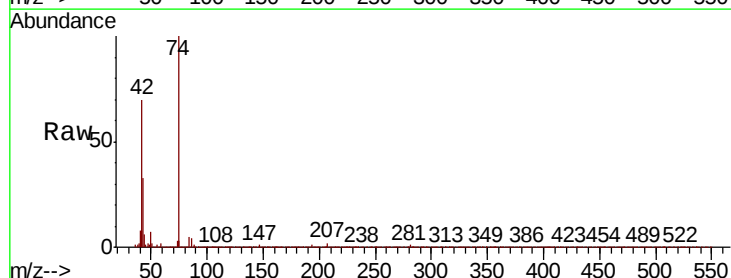
Tgt Ion: 42 Resp: 42846

Ion Ratio Lower Upper

42 100

74 143.5 111.1 166.7

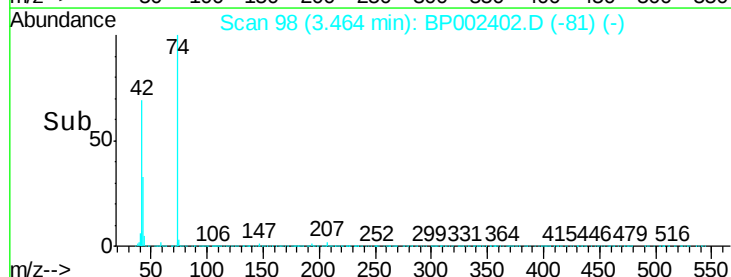
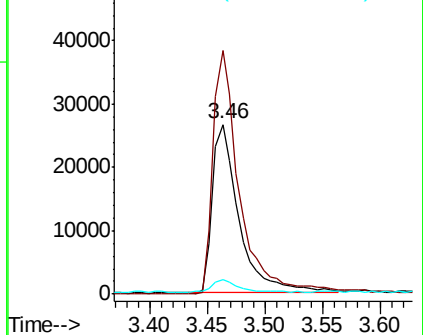
44 8.5 5.4 8.0#

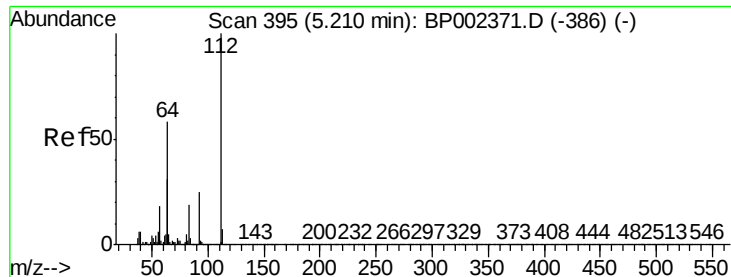


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 166.499 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

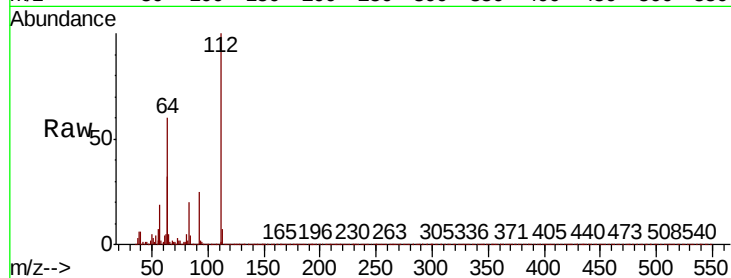
Tot Ion:112 Resp: 1401409

Ion Ratio Lower Upper

112 100

64 60.1 46.2 69.2

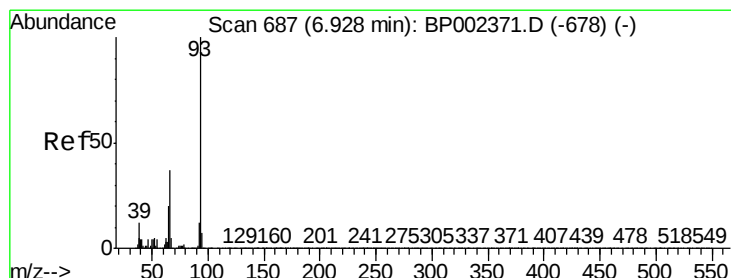
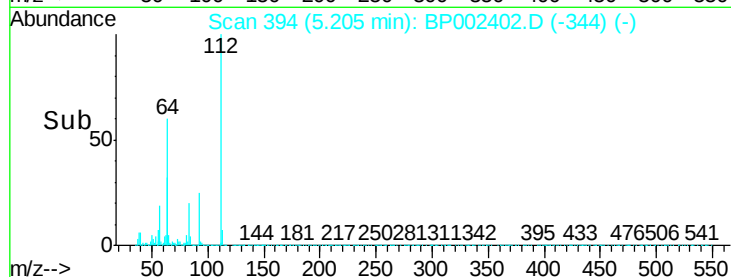
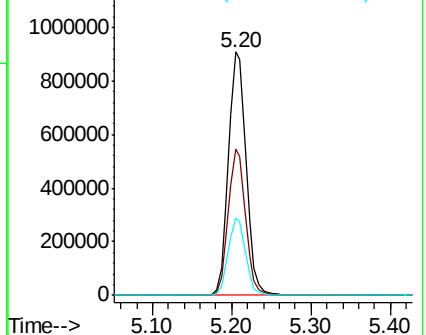
63 31.9 24.5 36.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 10.596 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

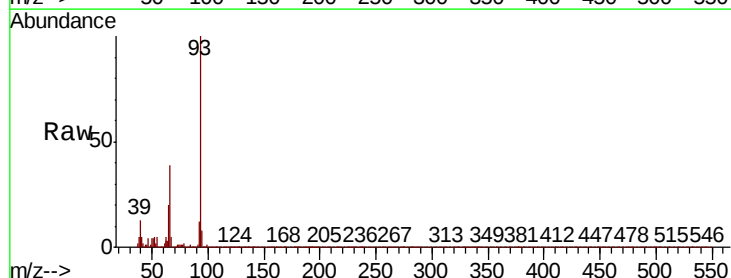
Tgt Ion: 93 Resp: 161490

Ion Ratio Lower Upper

93 100

66 38.6 29.8 44.6

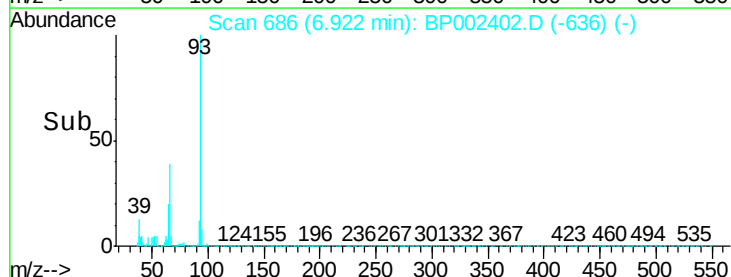
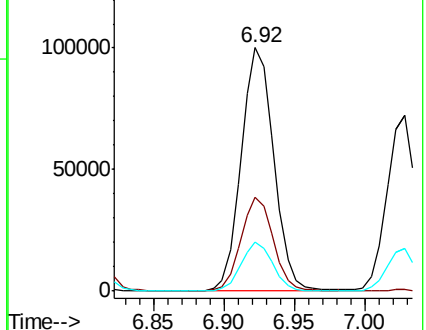
65 20.4 15.7 23.5

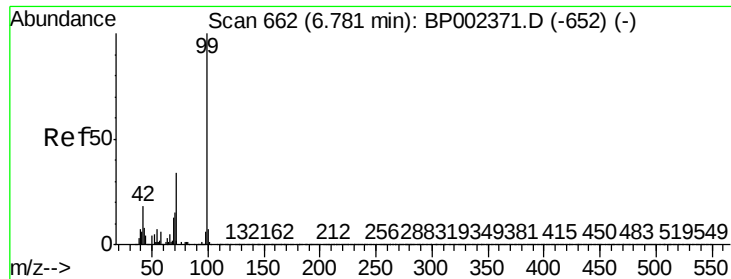


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 169.560 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002402.D

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LOQ-SOIL-02-QT2-2020

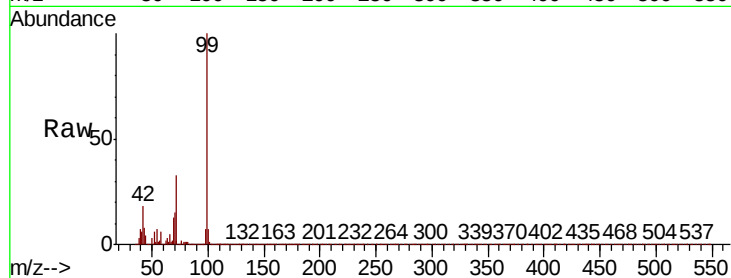
Tot Ion: 99 Resp: 1900131

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

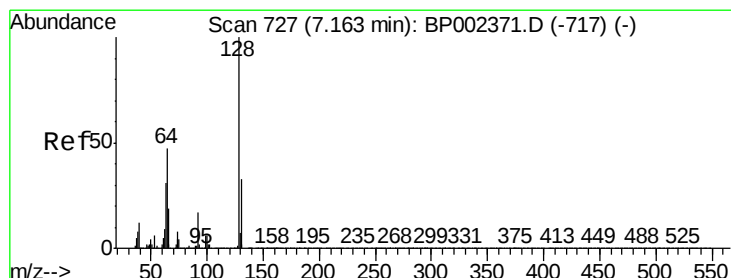
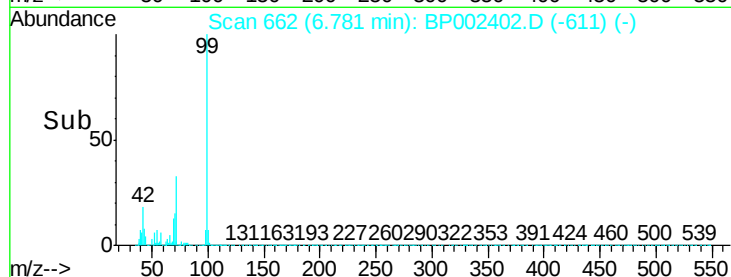
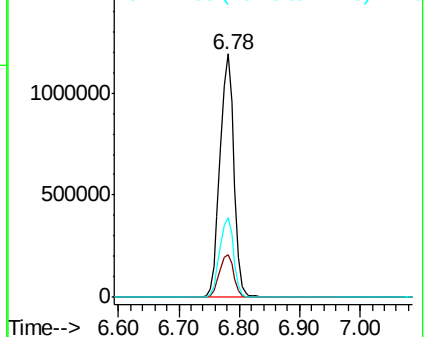
71 33.0 27.2 40.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 10.592 ng

RT: 7.16 min Scan# 727

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

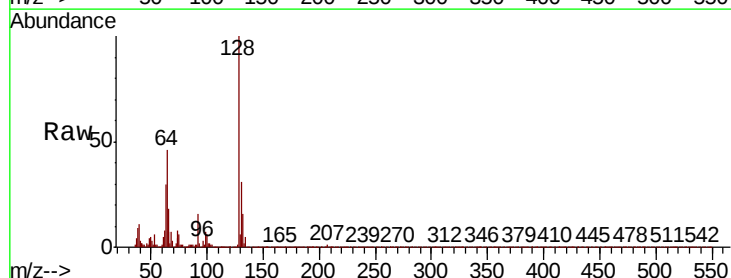
Tgt Ion: 128 Resp: 100245

Ion Ratio Lower Upper

128 100

130 31.4 12.5 52.5

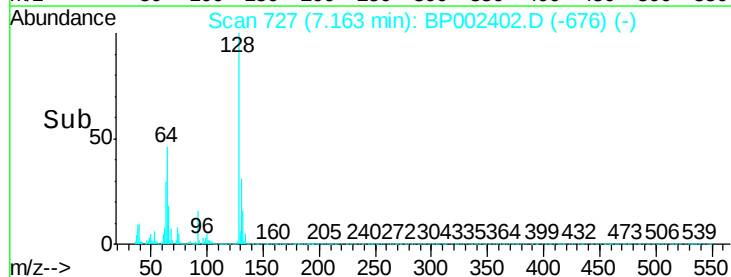
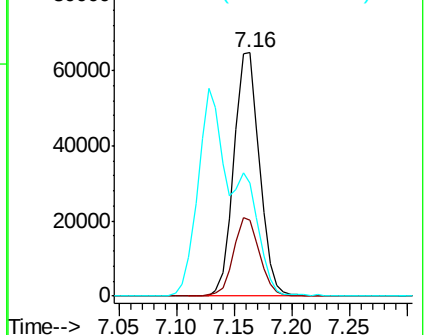
64 46.4 27.7 67.7

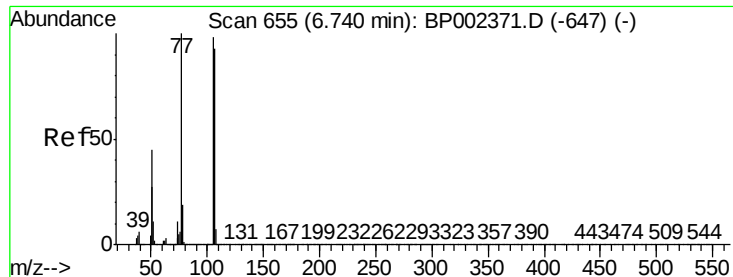


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 16.670 ng

RT: 6.73 min Scan# 654

Delta R.T. -0.01 min

Lab File: BP002402.D

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LOQ-SOIL-02-QT2-2020

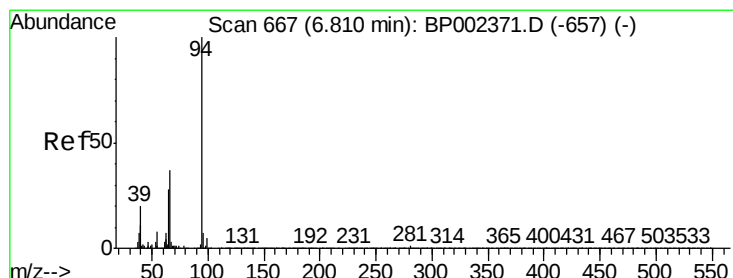
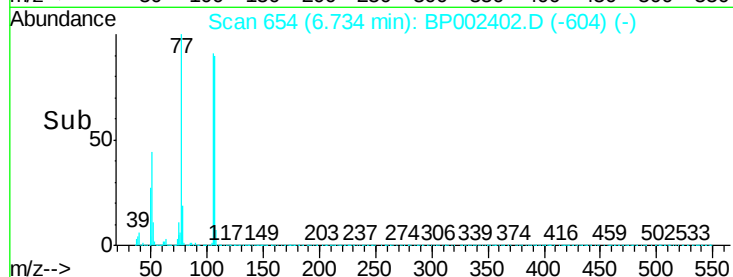
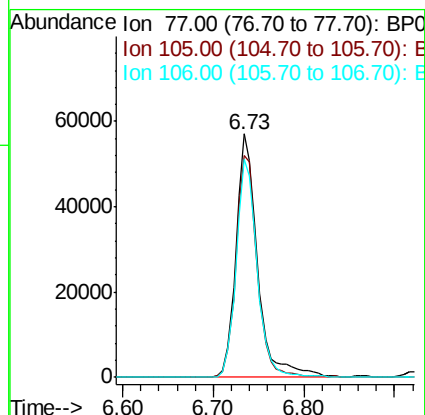
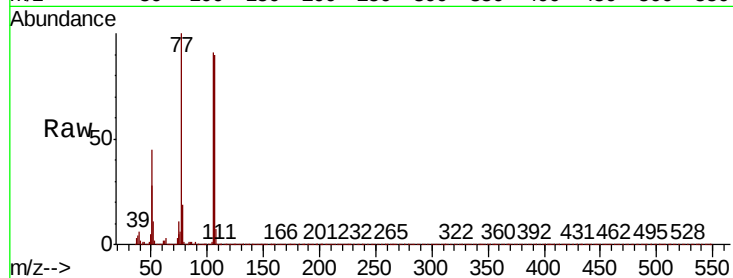
Tot Ion: 77 Resp: 95442

Ion Ratio Lower Upper

77 100

105 91.3 78.1 118.1

106 89.6 73.2 113.2



#10

Phenol

Concen: 10.842 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

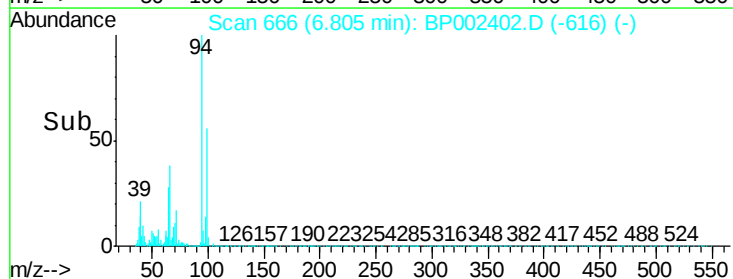
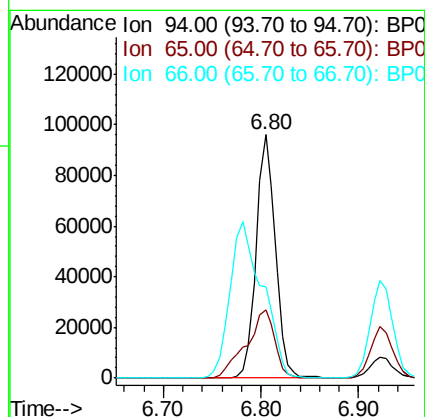
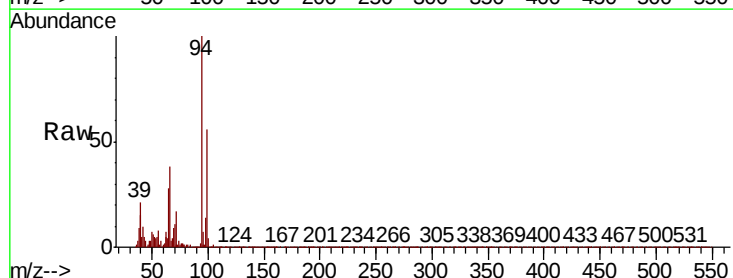
Tgt Ion: 94 Resp: 131770

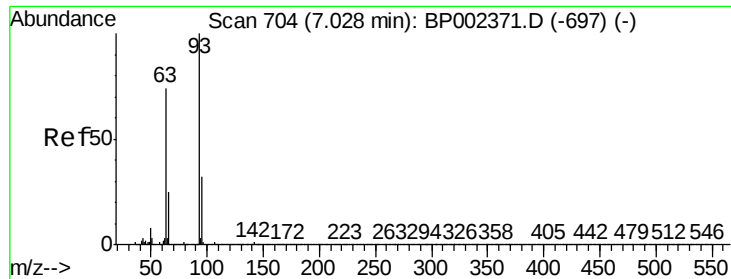
Ion Ratio Lower Upper

94 100

65 27.8 7.7 47.7

66 37.6 16.9 56.9

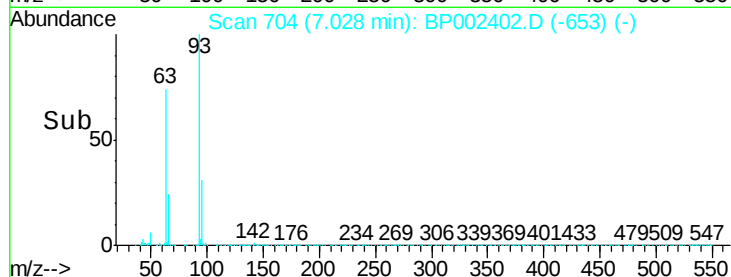
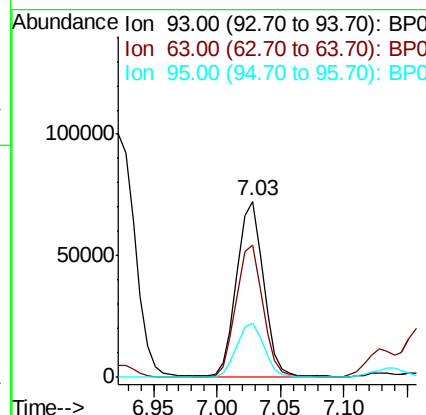
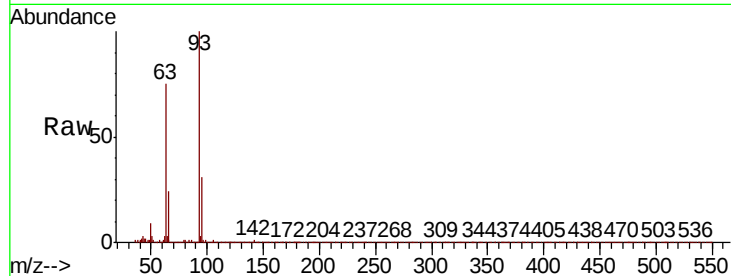




#11
bis(2-Chloroethyl)ether
Concen: 10.452 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

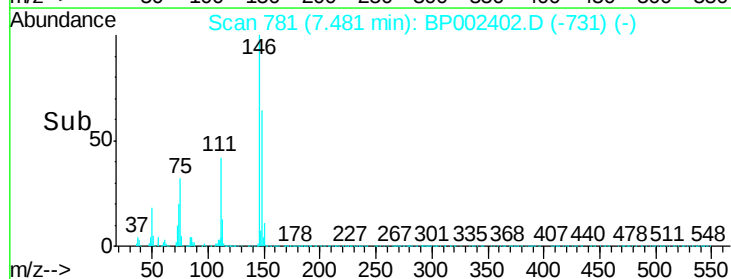
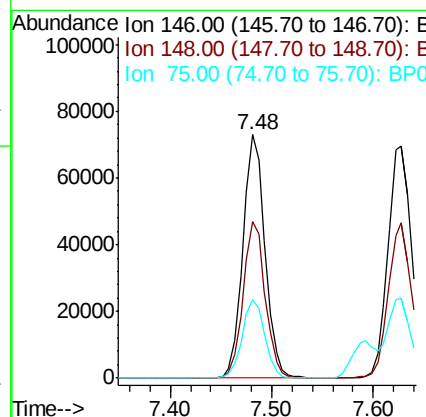
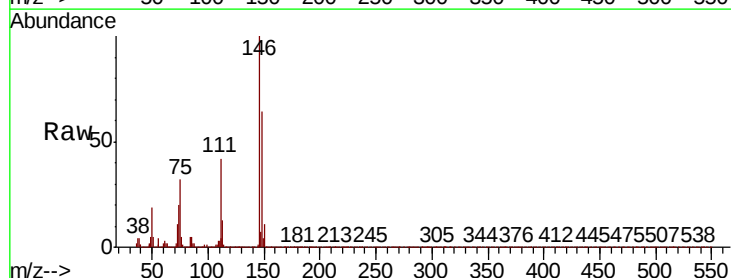
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

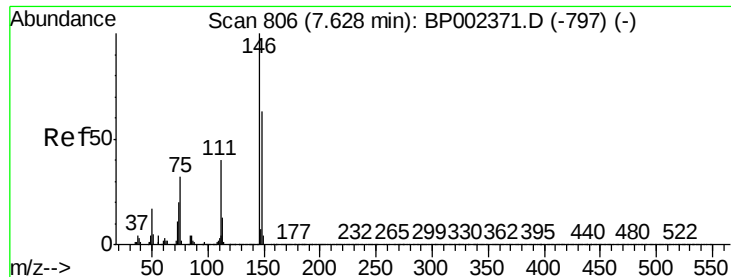
Tot Ion:	93	Resp:	106057
Ion	Ratio	Lower	Upper
93	100		
63	75.3	54.2	94.2
95	30.8	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 10.146 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:	146	Resp:	110564
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.6	77.4
75	32.4	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 10.217 ng

RT: 7.63 min Scan# 806

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

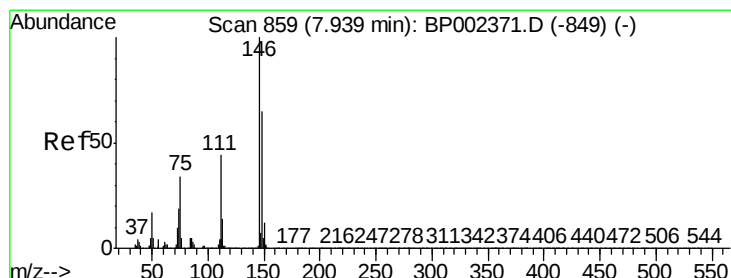
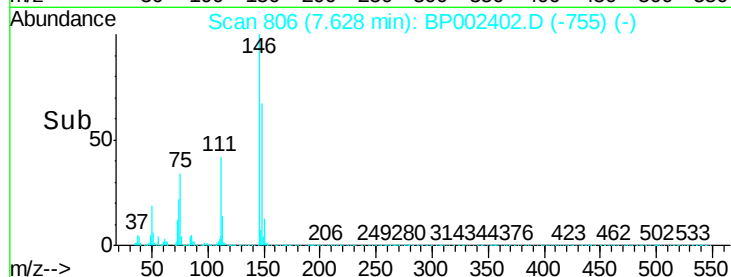
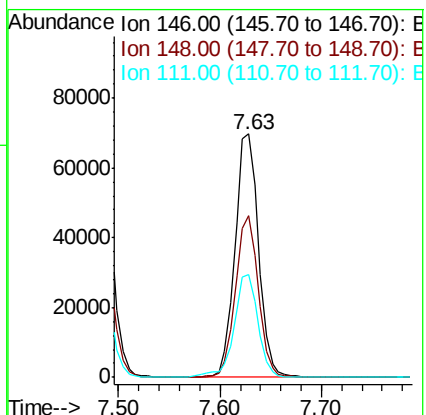
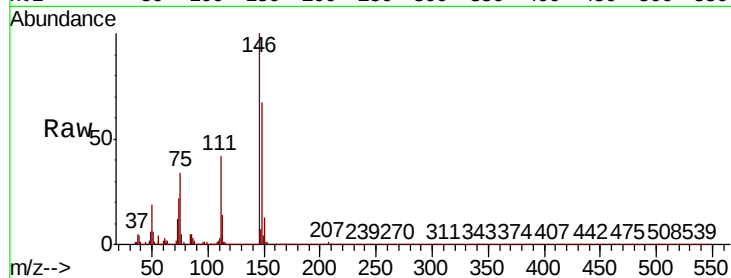
Tot Ion:146 Resp: 112025

Ion Ratio Lower Upper

146 100

148 66.7 50.7 76.1

111 42.0 32.2 48.2



#14

1,2-Dichlorobenzene

Concen: 10.382 ng

RT: 7.94 min Scan# 859

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

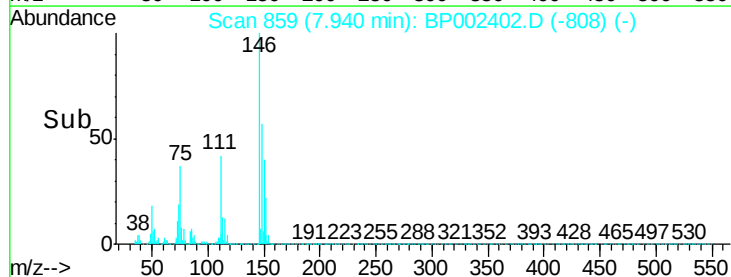
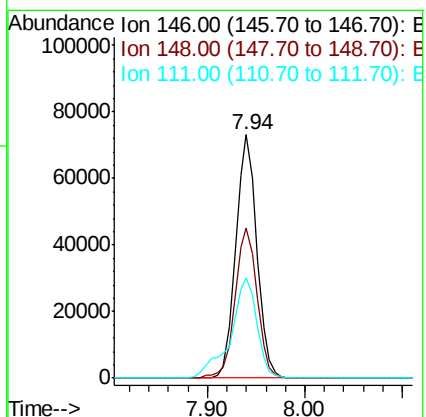
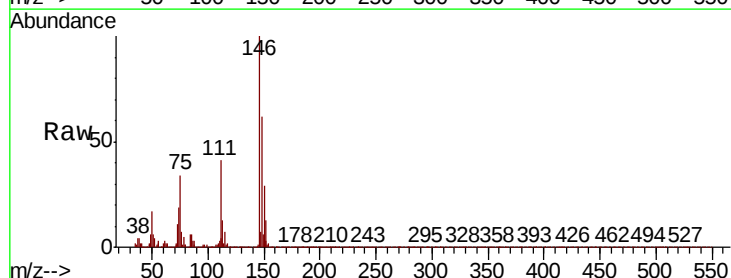
Tgt Ion:146 Resp: 109042

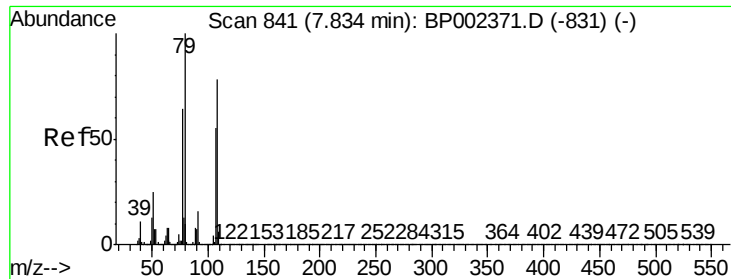
Ion Ratio Lower Upper

146 100

148 61.9 51.8 77.6

111 41.4 35.4 53.2





#15

Benzyl Alcohol

Concen: 9.657 ng

RT: 7.83 min Scan# 840

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

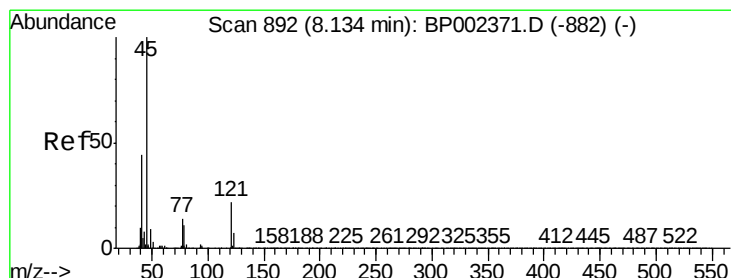
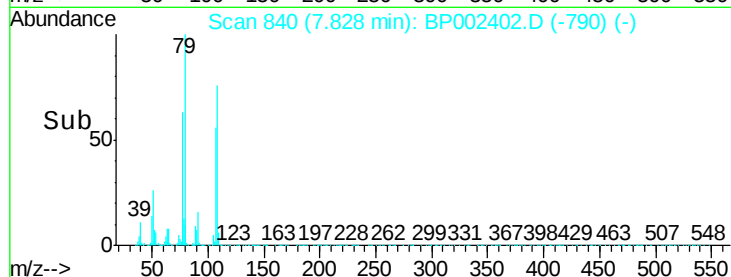
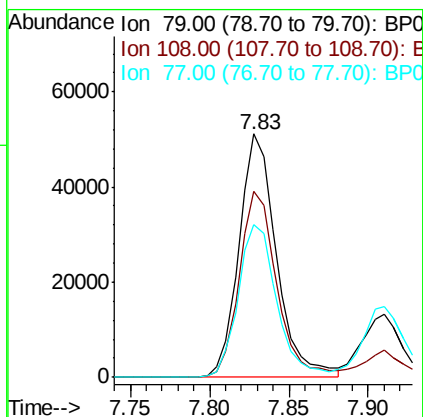
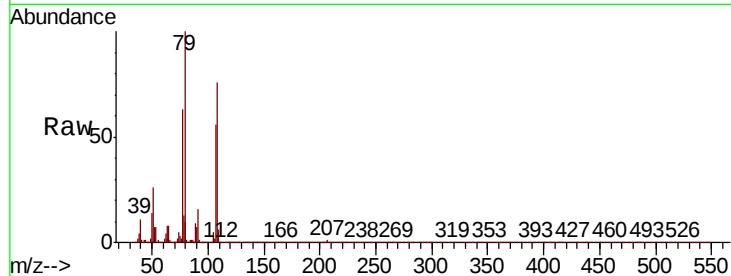
Tot Ion: 79 Resp: 83878

Ion Ratio Lower Upper

79 100

108 76.4 62.6 94.0

77 62.9 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.080 ng

RT: 8.12 min Scan# 890

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

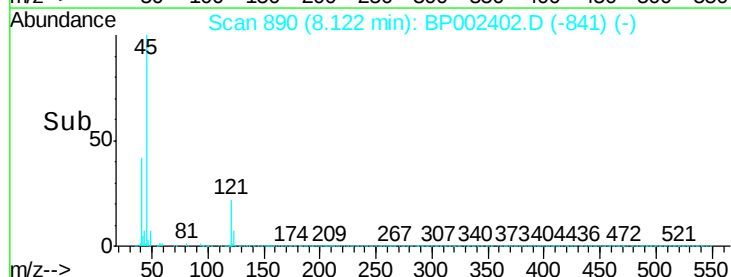
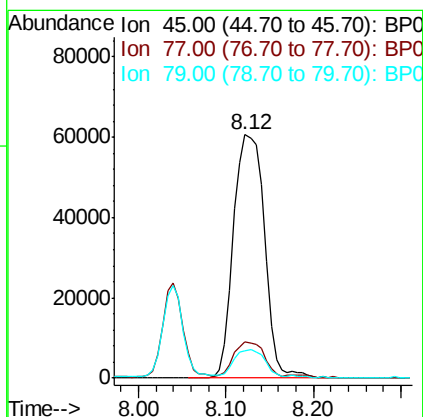
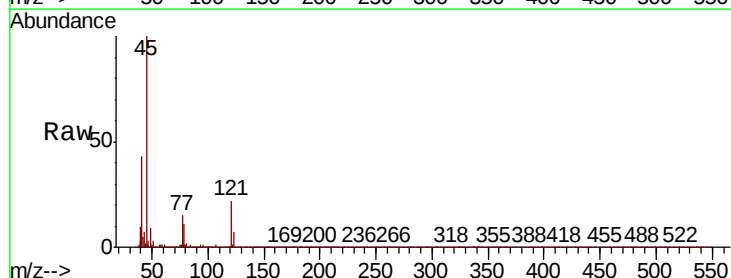
Tgt Ion: 45 Resp: 145131

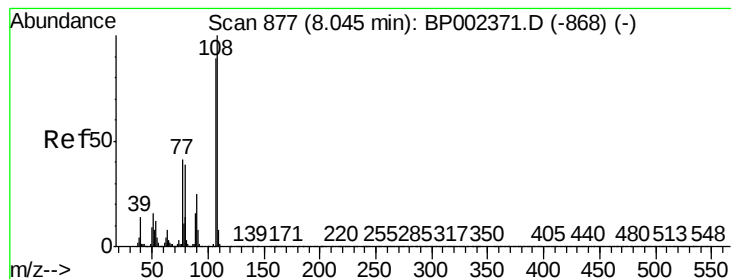
Ion Ratio Lower Upper

45 100

77 15.0 0.0 35.0

79 11.3 0.0 32.0





#17

2-Methylphenol

Concen: 9.309 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:107 Resp: 82673

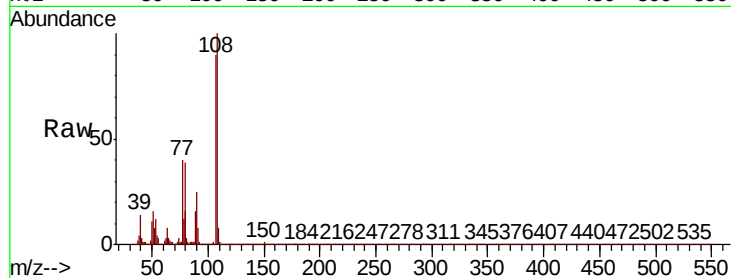
Ion Ratio Lower Upper

107 100

108 110.6 90.3 135.5

77 44.0 37.1 55.7

79 43.0 35.8 53.6

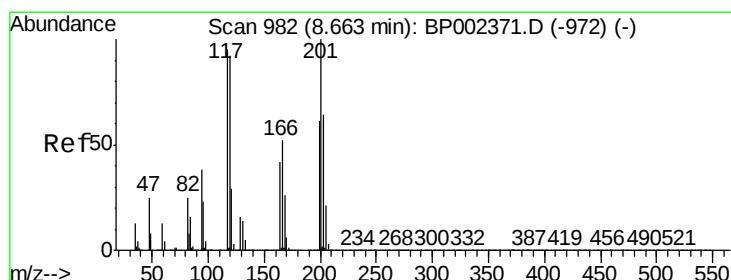
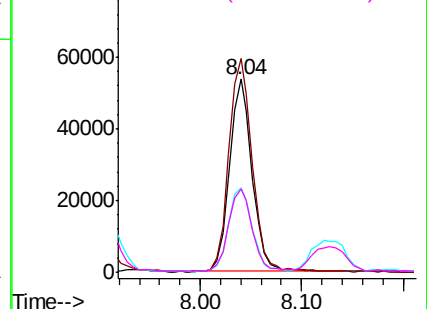
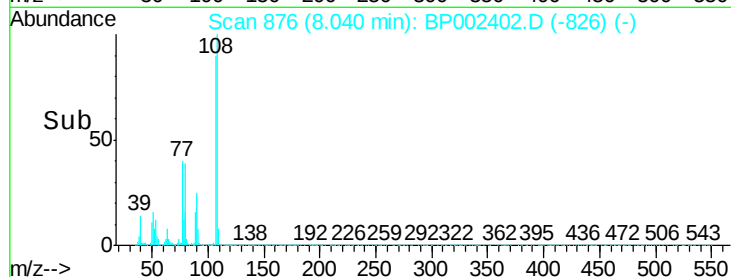


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 10.243 ng

RT: 8.66 min Scan# 982

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

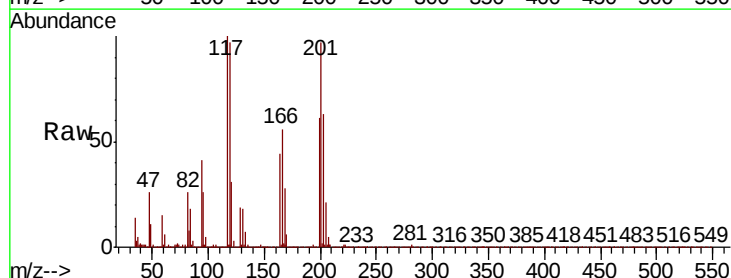
Tgt Ion:117 Resp: 40915

Ion Ratio Lower Upper

117 100

119 97.5 77.8 116.8

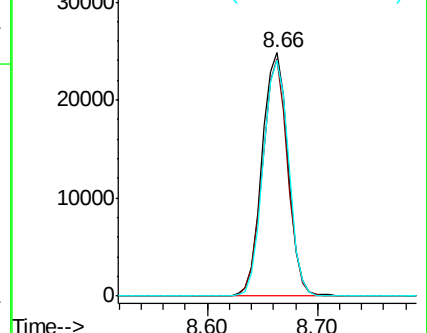
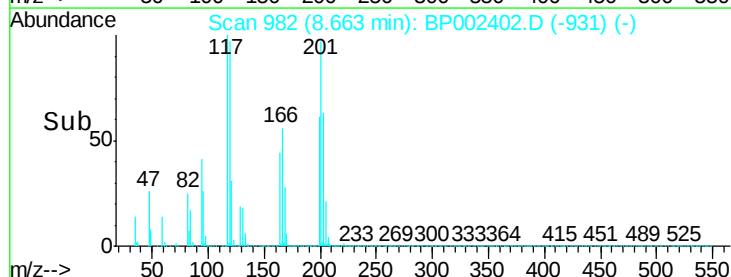
201 96.9 84.2 126.4



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

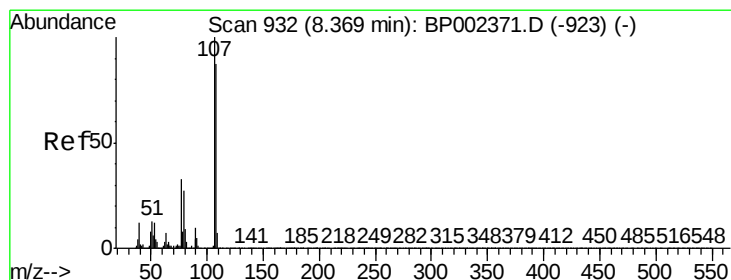
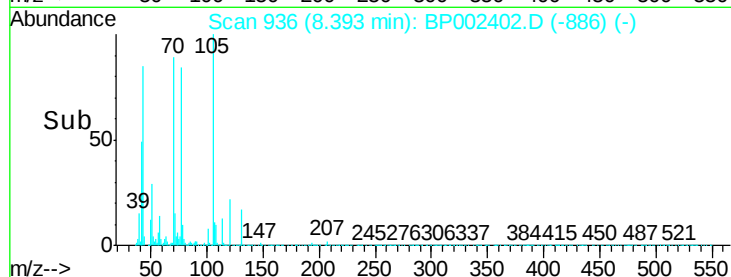
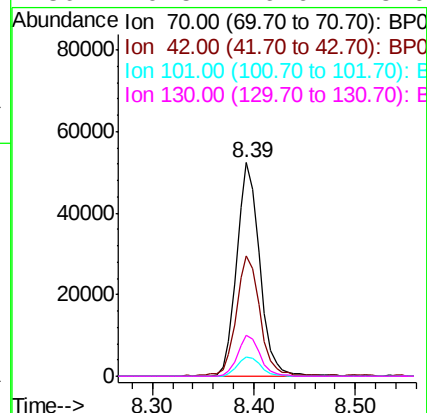
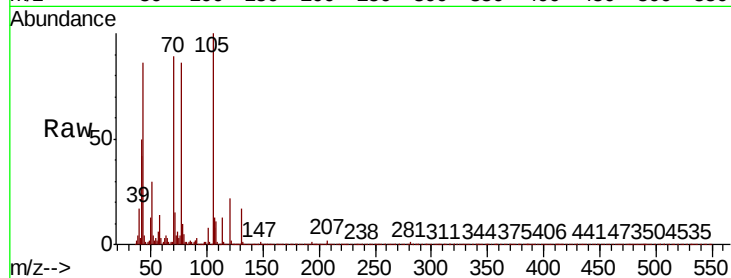




#19
n-Nitroso-di-n-propylamine
Concen: 11.004 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

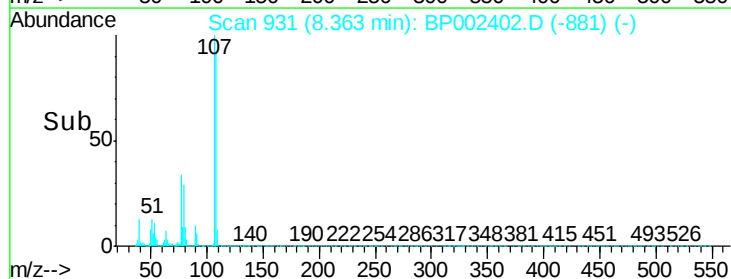
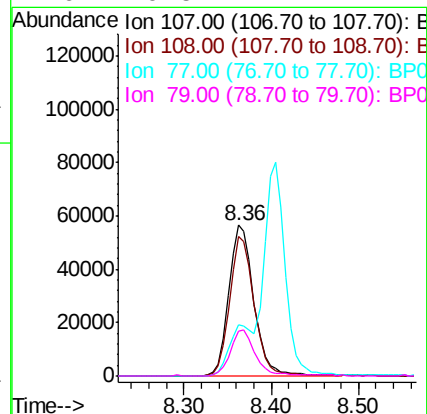
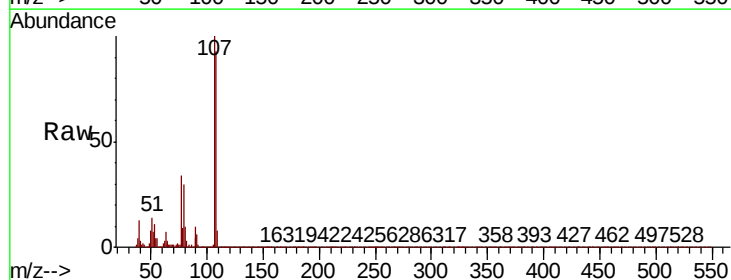
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

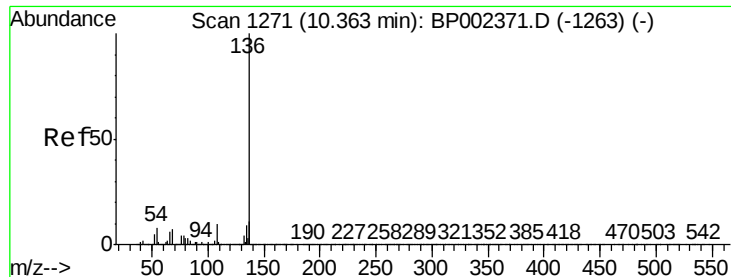
Tot Ion:	70	Resp:	82423
Ion	Ratio	Lower	Upper
70	100		
42	56.1	45.7	68.5
101	8.8	7.5	11.3
130	19.5	16.6	25.0



#20
3+4-Methylphenols
Concen: 9.297 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:	107	Resp:	111439
Ion	Ratio	Lower	Upper
107	100		
108	92.7	67.5	107.5
77	34.3	13.5	53.5
79	29.5	7.4	47.4

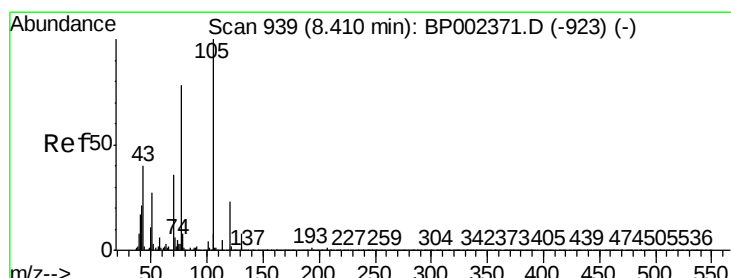
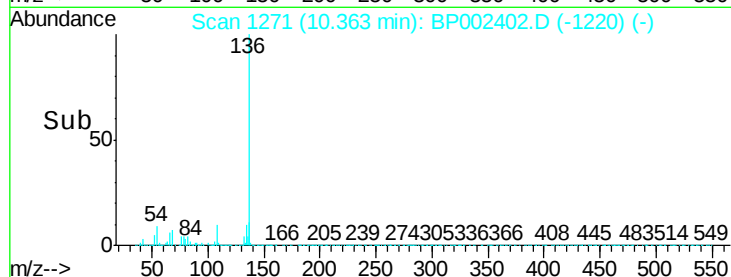
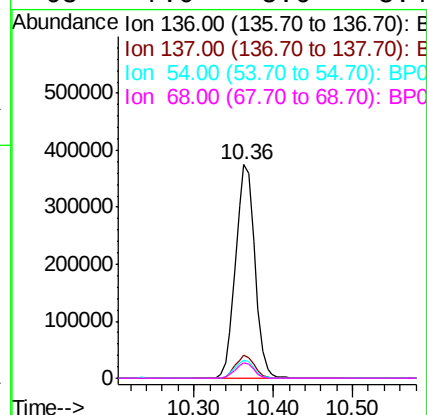
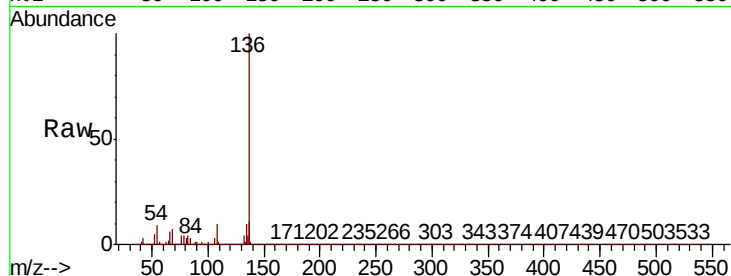




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

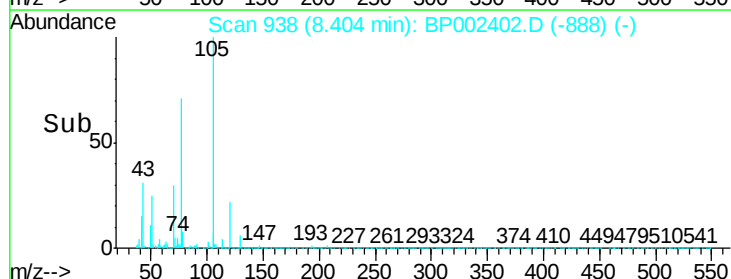
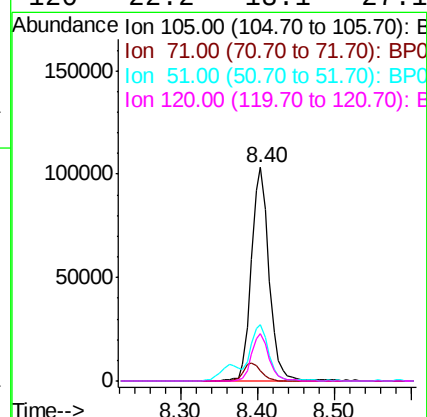
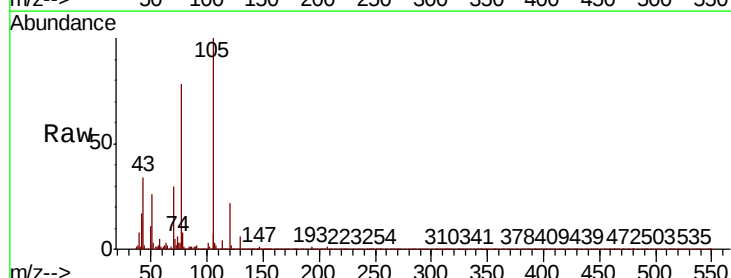
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

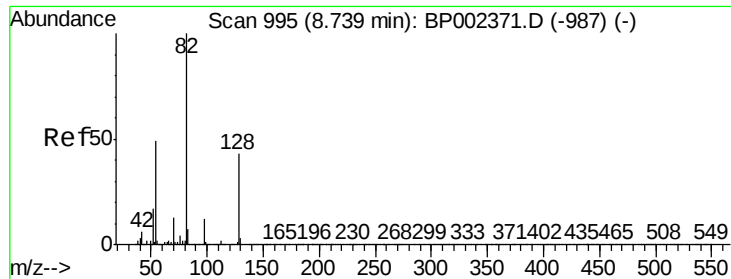
Tot Ion:136	Resp: 629522
Ion Ratio	Lower Upper
136 100	
137 10.7	8.8 13.2
54 8.5	6.4 9.6
68 7.0	5.6 8.4



#22
Acetophenone
Concen: 11.791 ng
RT: 8.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt	Ion:105	Resp:	166758
Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.7	7.1#
51	26.5	21.4	32.0
120	22.2	18.1	27.1

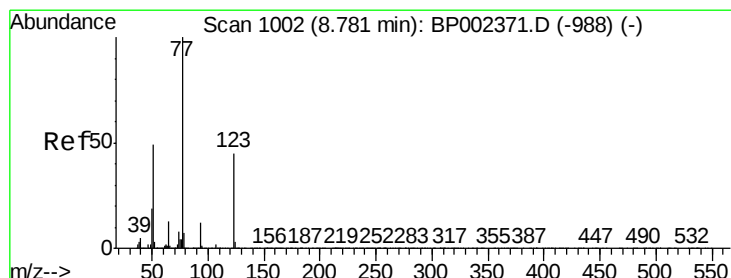
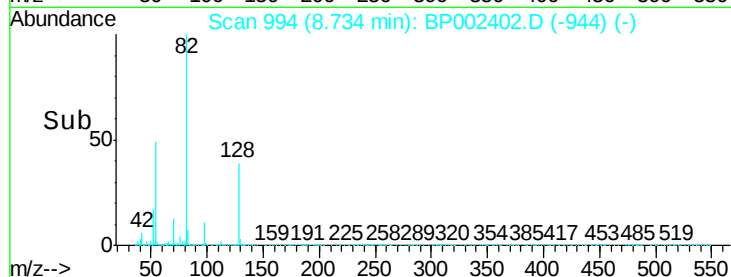
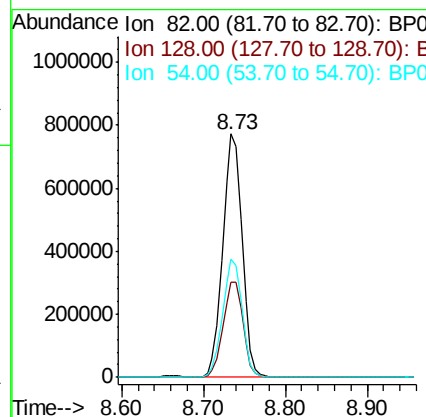
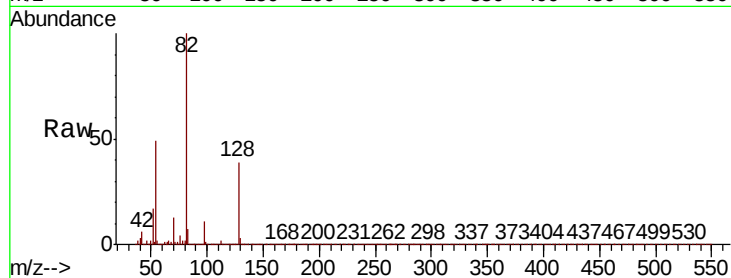




#23
Nitrobenzene-d5
Concen: 121.297 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

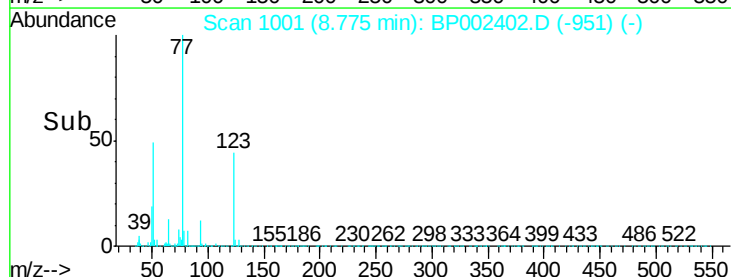
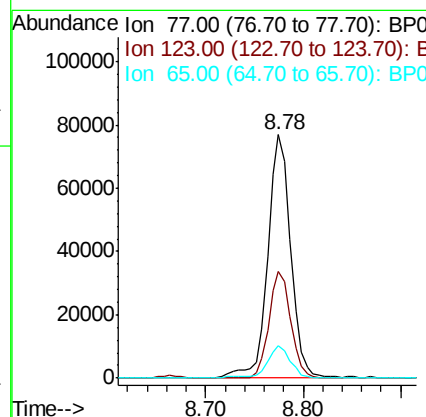
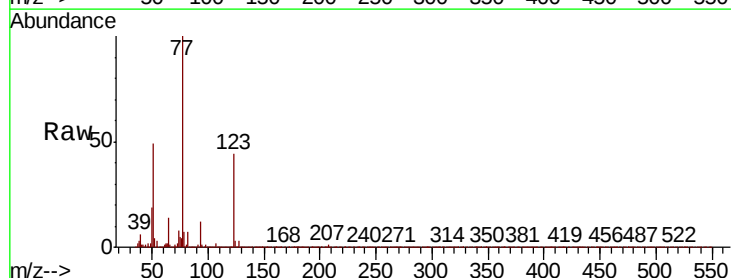
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

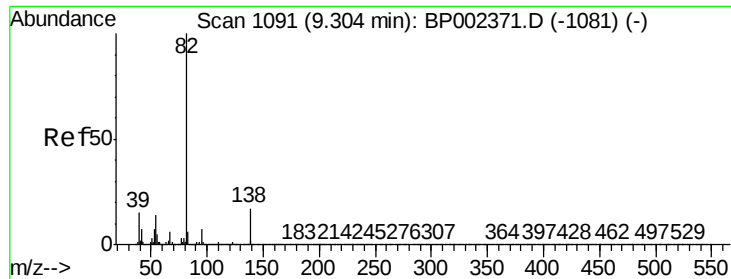
Tot Ion: 82 Resp: 1278644
Ion Ratio Lower Upper
82 100
128 39.2 34.5 51.7
54 48.6 39.4 59.2



#24
Nitrobenzene
Concen: 11.180 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion: 77 Resp: 126690
Ion Ratio Lower Upper
77 100
123 43.9 35.8 53.8
65 13.5 10.5 15.7

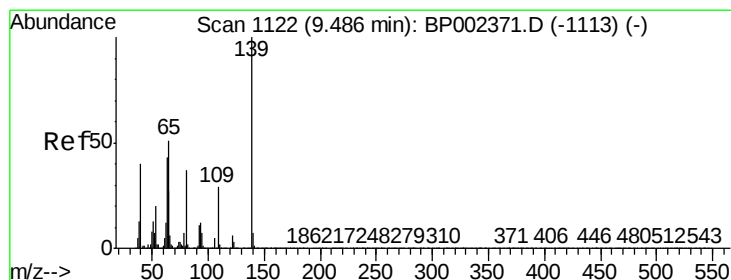
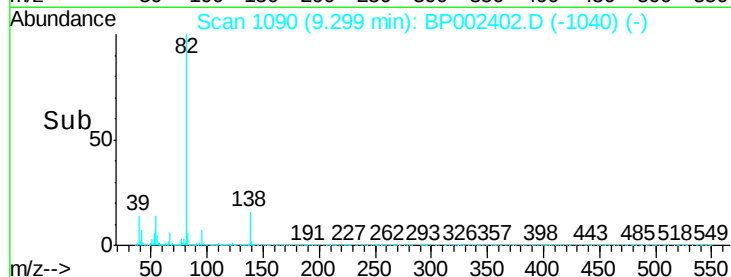
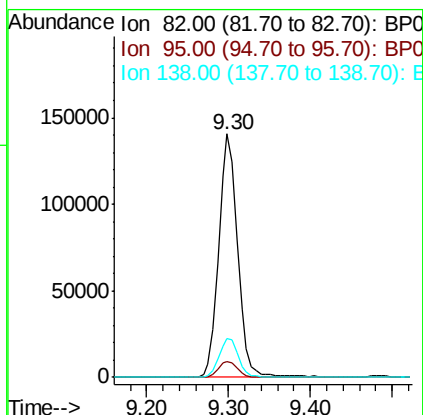
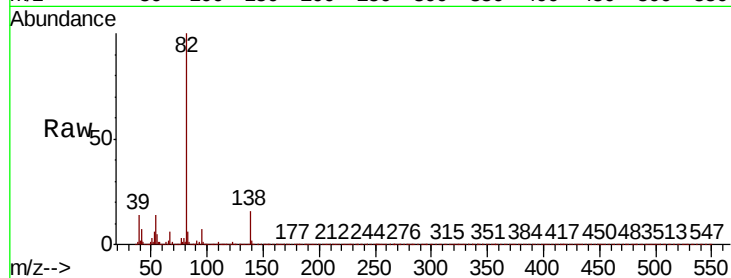




#25
Isophorone
Concen: 10.559 ng
RT: 9.30 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

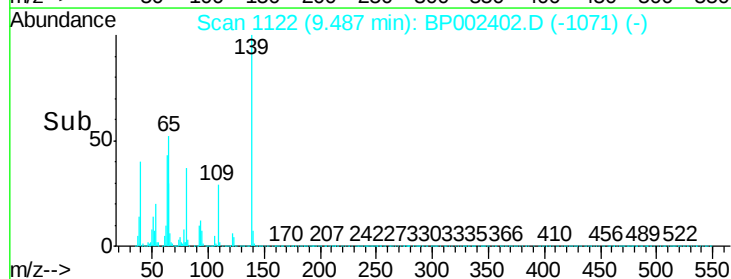
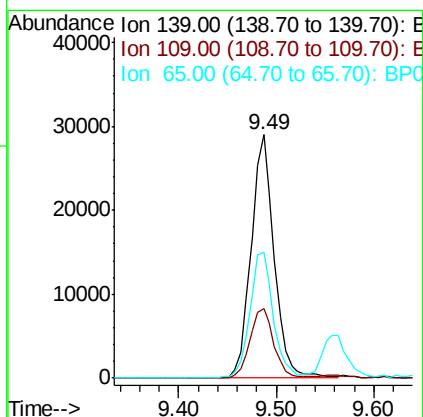
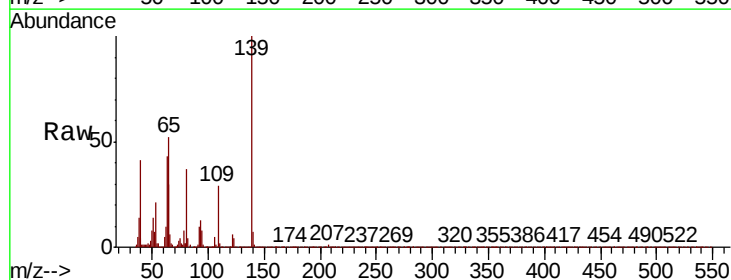
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

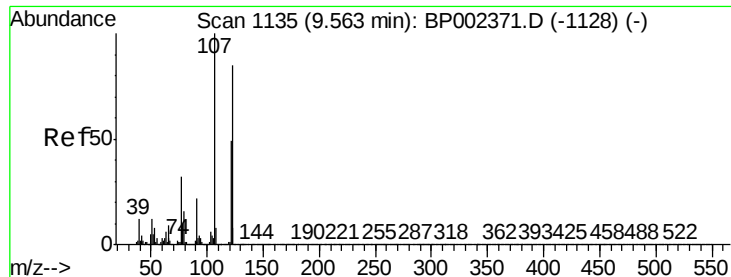
Tot Ion	82	Resp	226693
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.4	8.2
138	15.8	13.4	20.0



#26
2-Nitrophenol
Concen: 9.537 ng
RT: 9.49 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion	139	Resp	48157
Ion Ratio	Lower	Upper	
139	100		
109	28.6	23.4	35.2
65	51.9	41.1	61.7

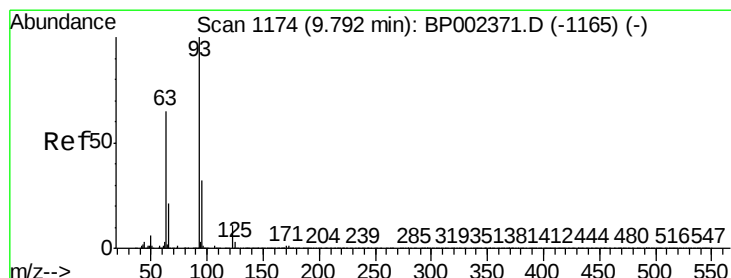
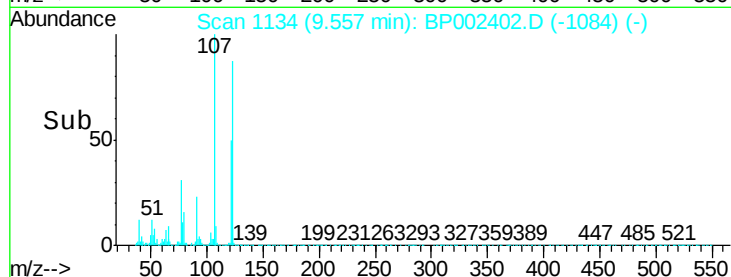
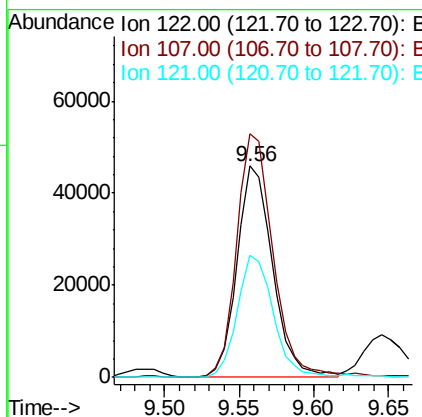
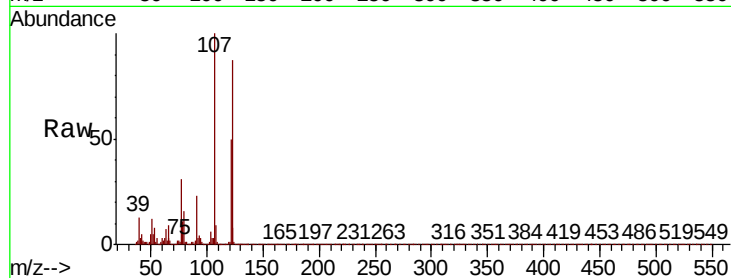




#27
2,4-Dimethylphenol
Concen: 9.583 ng
RT: 9.56 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

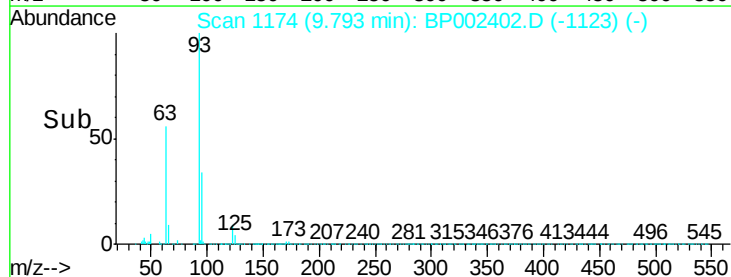
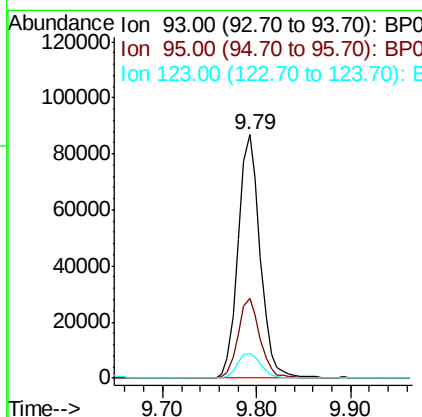
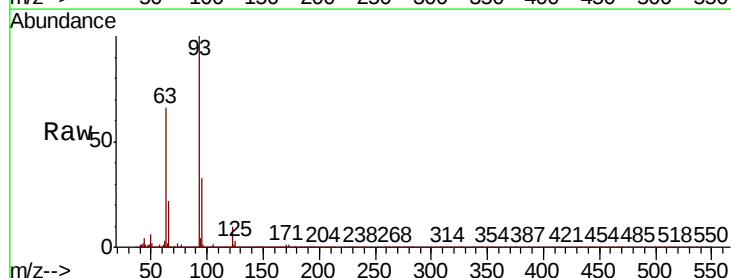
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

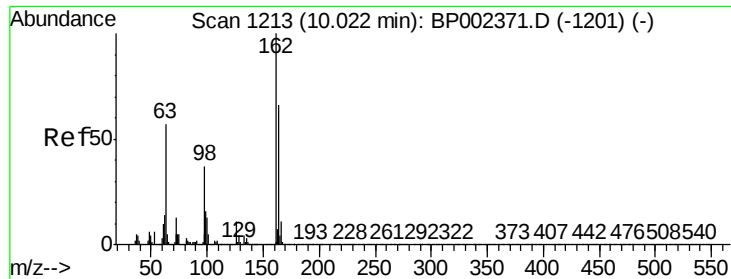
Tot Ion	Ratio	Lower	Upper
122	100		
107	115.2	94.0	141.0
121	57.6	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 11.027 ng
RT: 9.79 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	10.0	8.7	13.1

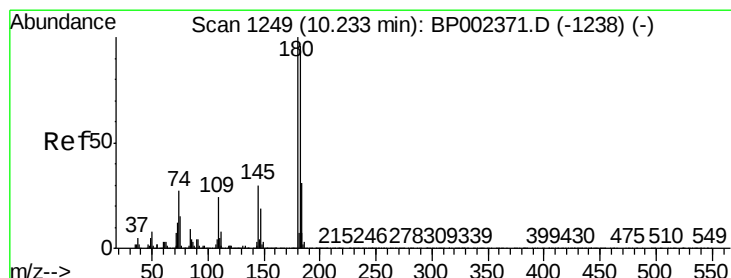
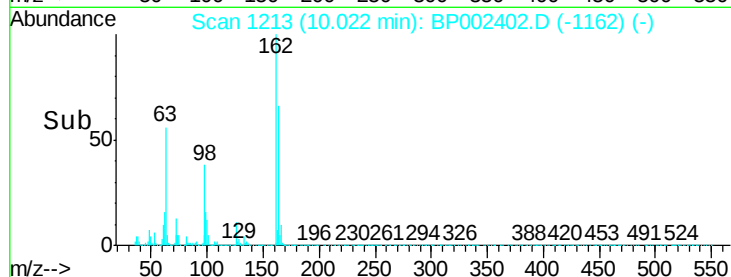
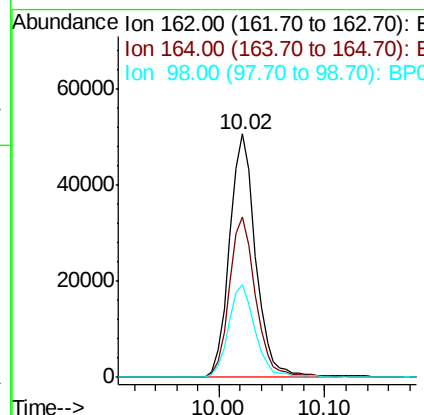
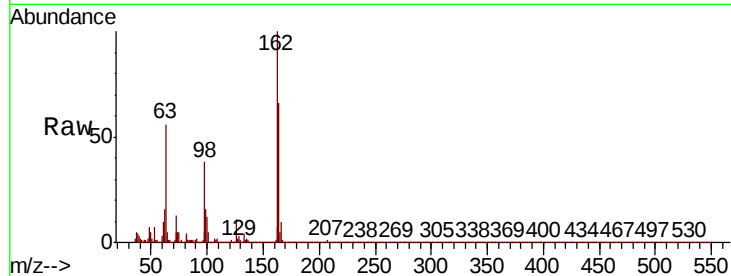




#29
 2,4-Dichlorophenol
 Concen: 9.721 ng
 RT: 10.02 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BP002402.D
 Acq: 12 Jun 2020 17:37

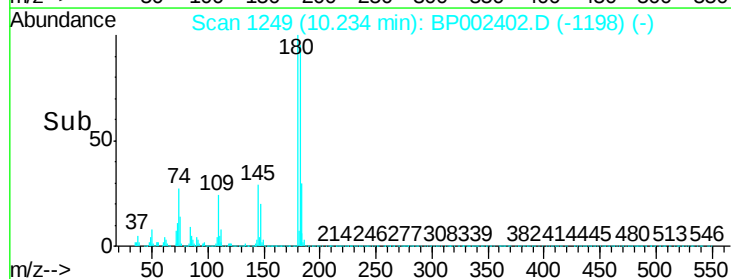
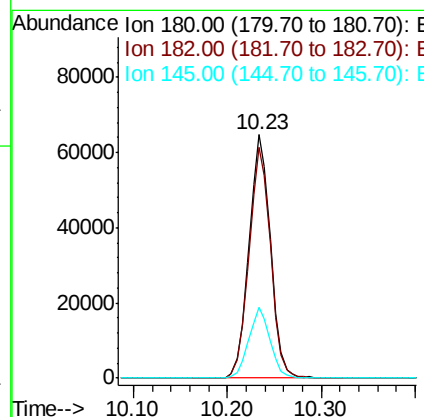
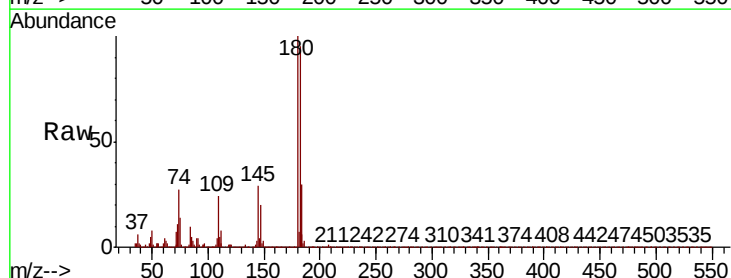
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:	162	Resp:	86681
Ion	Ratio	Lower	Upper
162	100		
164	66.0	45.5	85.5
98	37.9	16.6	56.6



#30
 1,2,4-Trichlorobenzene
 Concen: 10.288 ng
 RT: 10.23 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BP002402.D
 Acq: 12 Jun 2020 17:37

Tgt Ion:	180	Resp:	102253
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.1	115.7
145	29.2	23.8	35.6

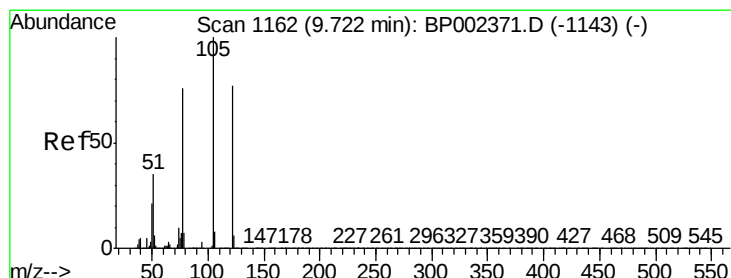
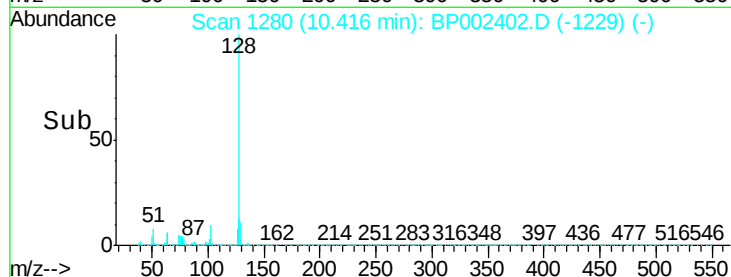
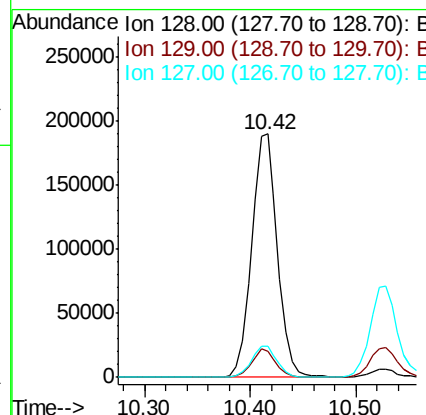
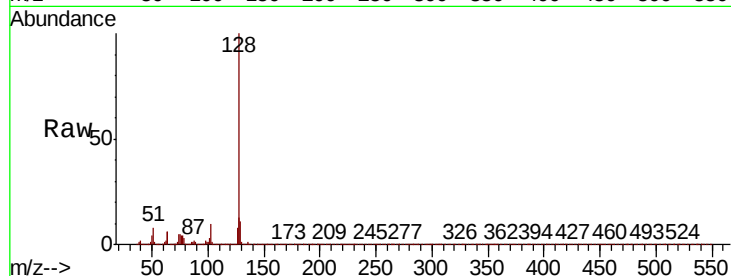




#31
Naphthalene
Concen: 10.974 ng
RT: 10.42 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

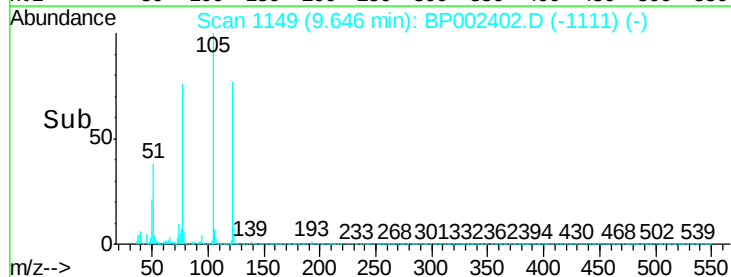
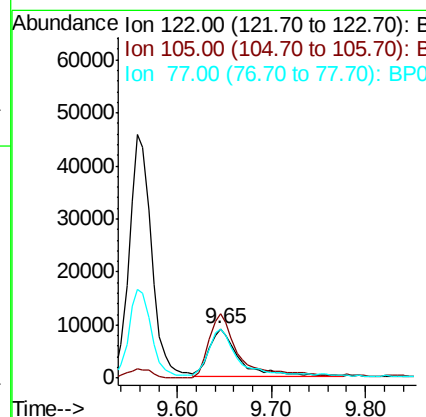
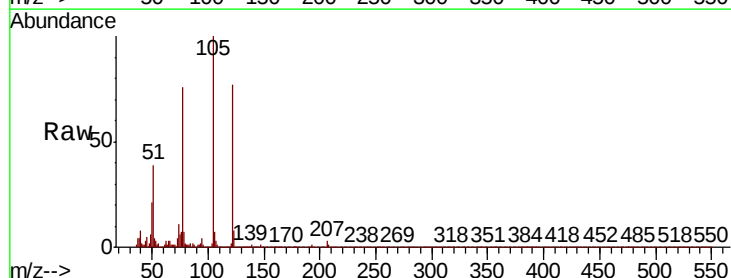
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

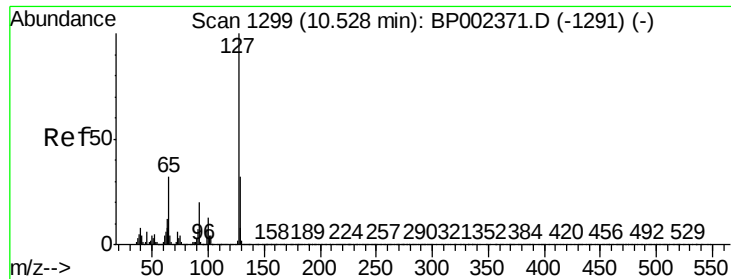
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.8	10.3	15.5



#32
Benzoic acid
Concen: 3.330 ng
RT: 9.65 min Scan# 1149
Delta R.T. -0.08 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	130.3	106.3	146.3
77	99.3	77.5	117.5

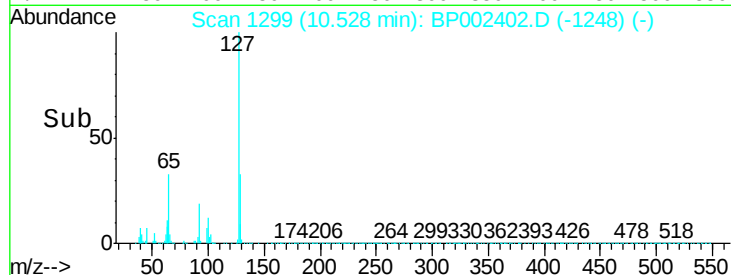
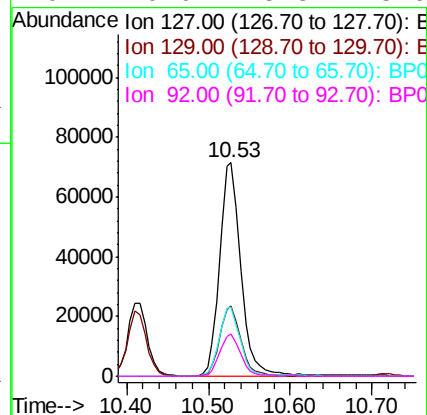
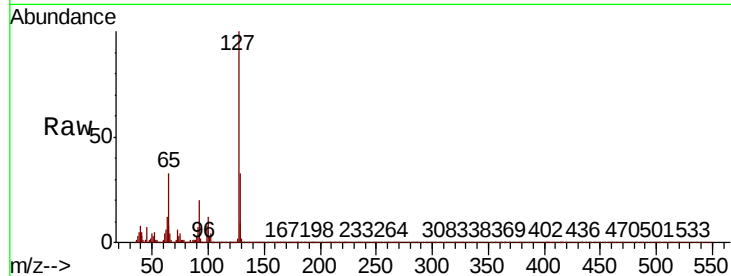




#33
4-Chloroaniline
Concen: 10.123 ng
RT: 10.53 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

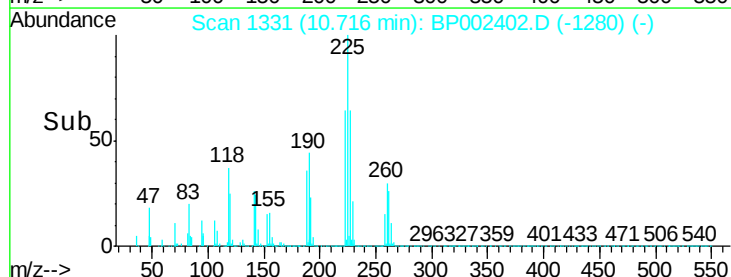
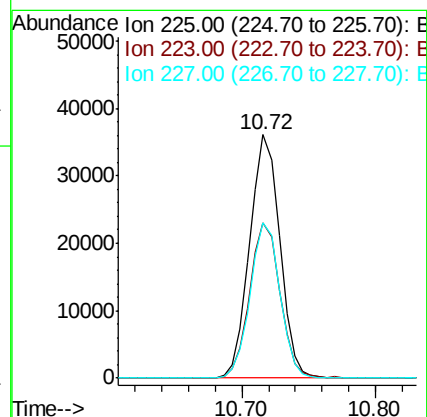
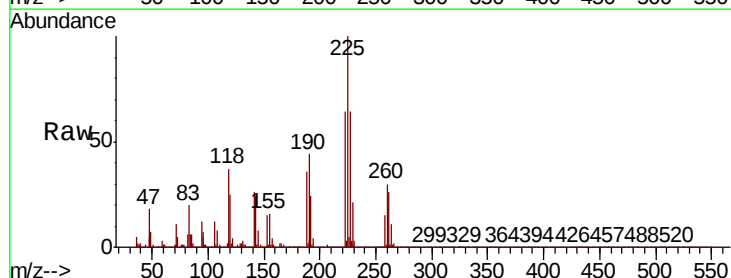
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

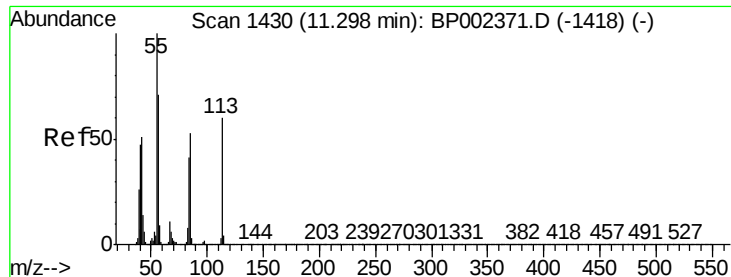
Tot Ion:	127	Resp:	129248
Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.4	38.2
65	32.6	25.3	37.9
92	19.9	15.8	23.6



#34
Hexachlorobutadiene
Concen: 9.675 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:	225	Resp:	56120
Ion	Ratio	Lower	Upper
225	100		
223	64.0	52.6	78.8
227	64.0	52.2	78.2

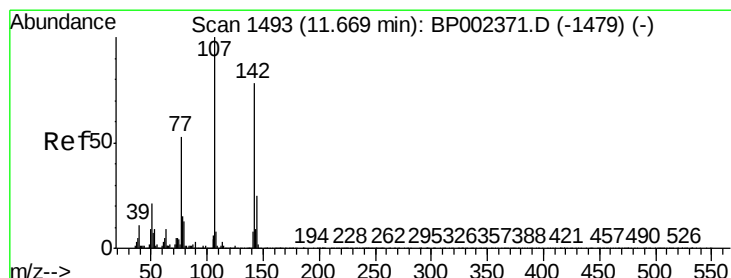
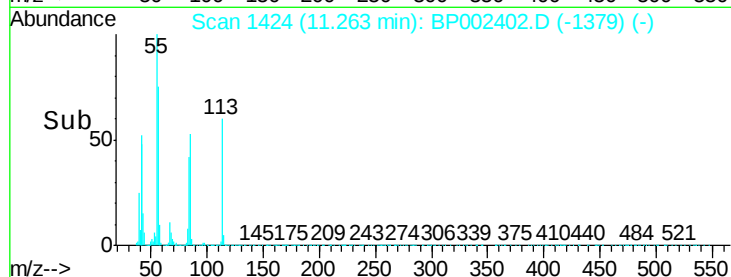
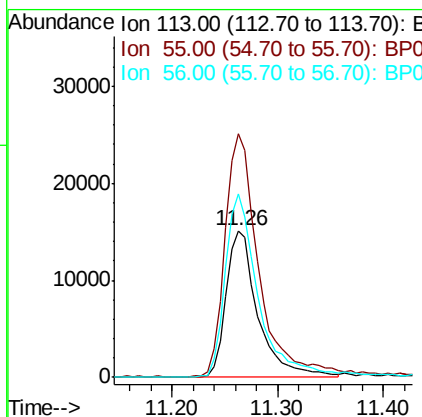
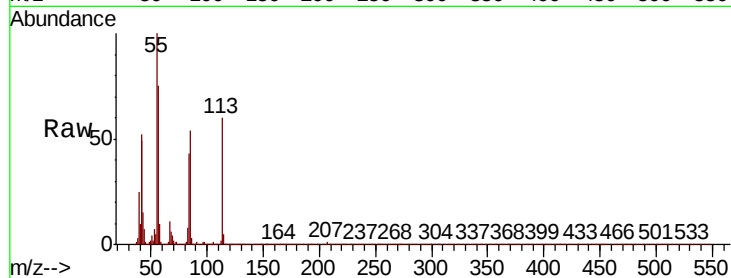




#35
Caprolactam
Concen: 9.994 ng
RT: 11.26 min Scan# 1424
Delta R.T. -0.04 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

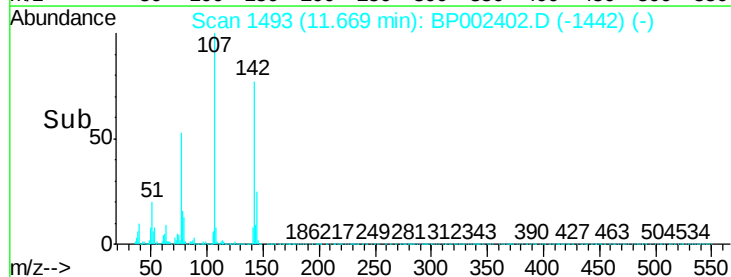
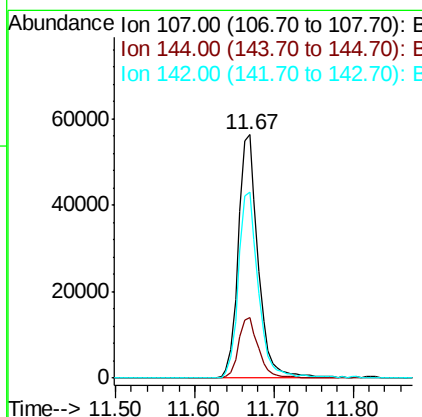
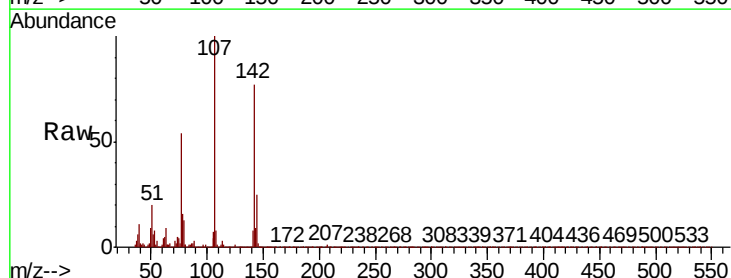
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

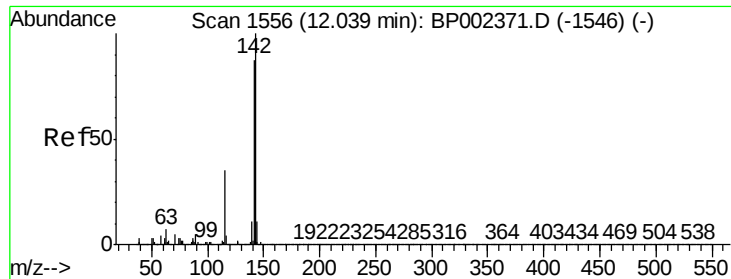
Tot Ion:113 Resp: 31430
Ion Ratio Lower Upper
113 100
55 165.7 147.9 187.9
56 124.6 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 10.128 ng
RT: 11.67 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:107 Resp: 97718
Ion Ratio Lower Upper
107 100
144 25.0 20.4 30.6
142 76.5 62.2 93.4

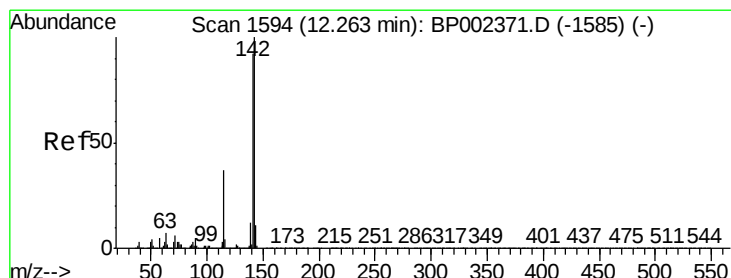
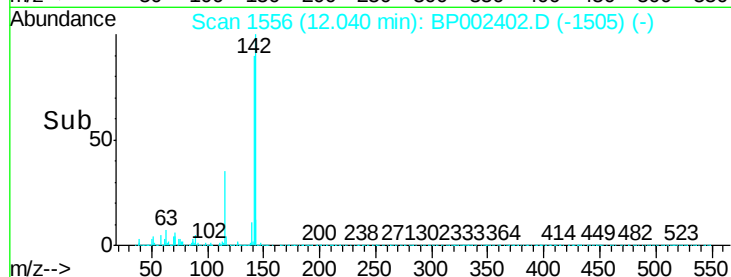
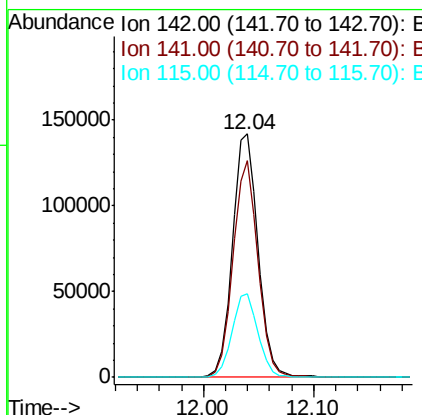
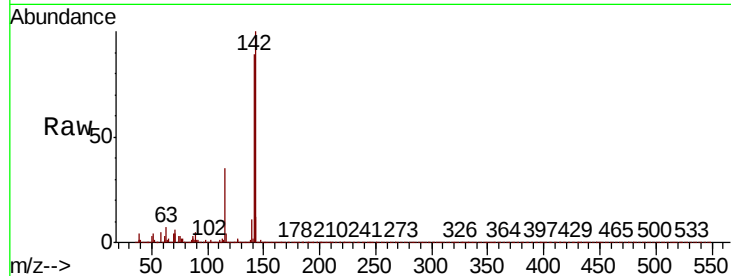




#37
2-Methylnaphthalene
Concen: 11.135 ng
RT: 12.04 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

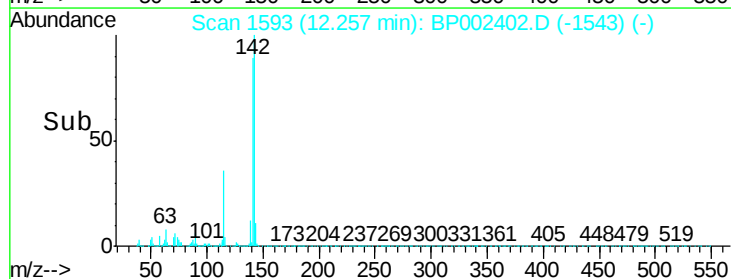
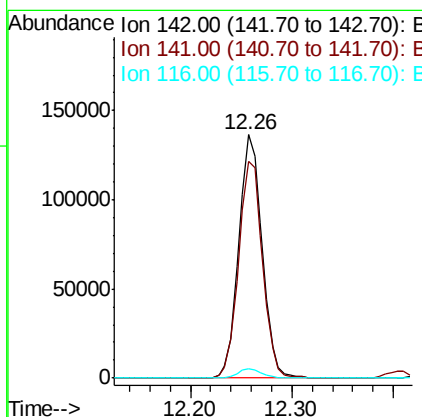
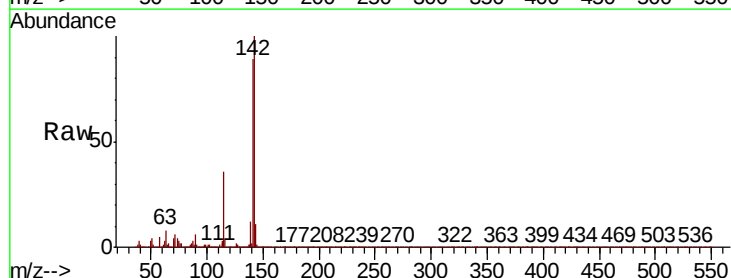
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

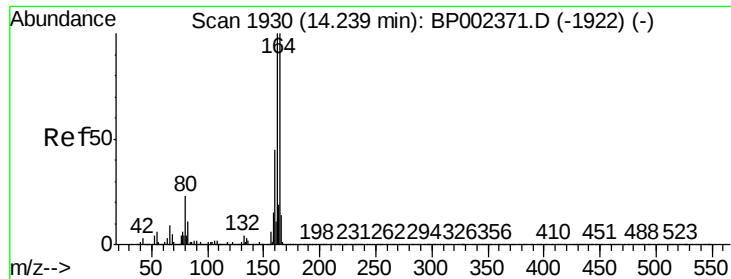
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.7	104.5
115	34.5	27.8	41.8



#38
1-Methylnaphthalene
Concen: 11.185 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.6	110.4
116	4.1	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

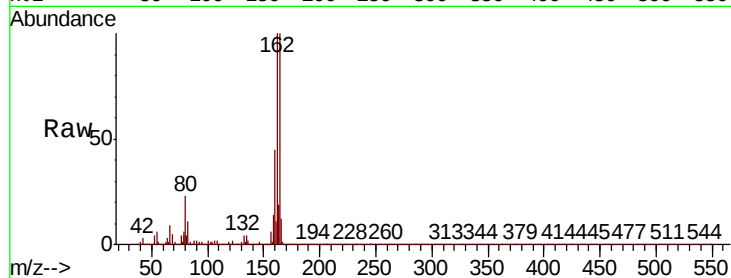
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:164 Resp: 382370

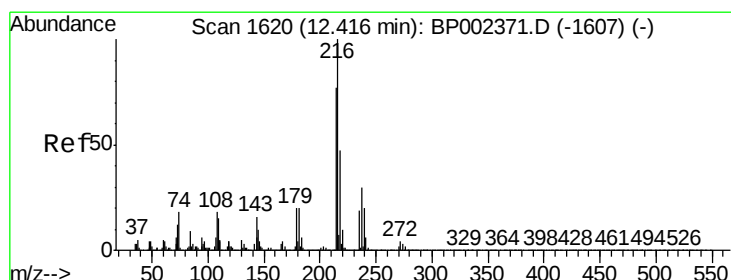
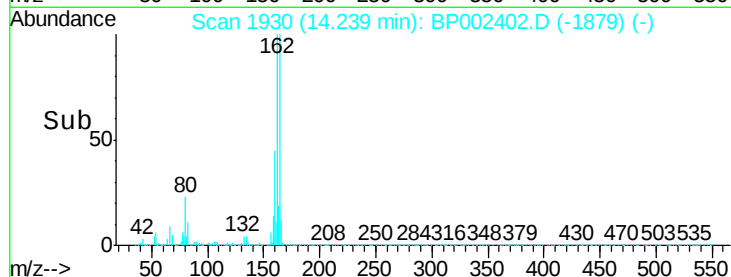
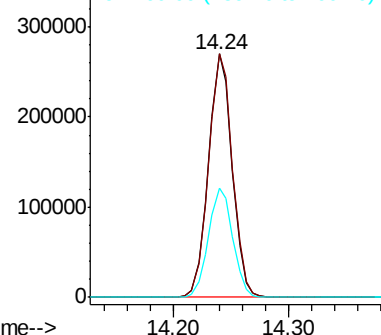
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.8	119.8
160	44.9	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.504 ng

RT: 12.42 min Scan# 1620

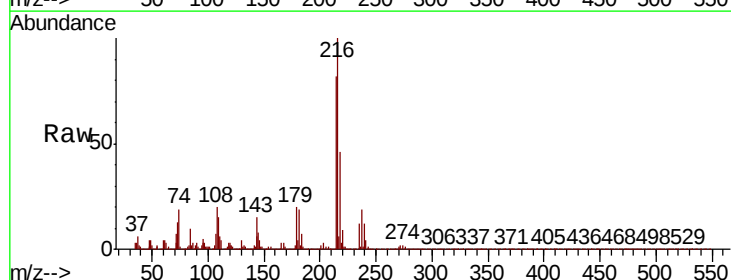
Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Tgt Ion:216 Resp: 115958

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	20.4	16.4	24.6
108	19.9	15.5	23.3

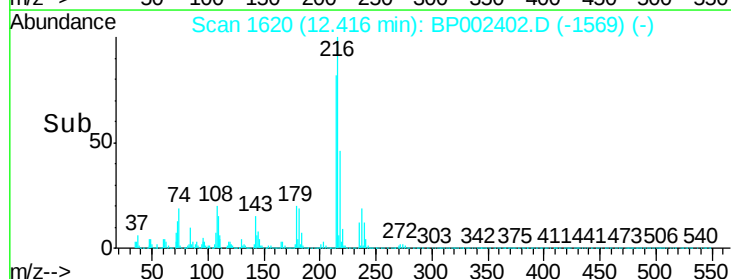
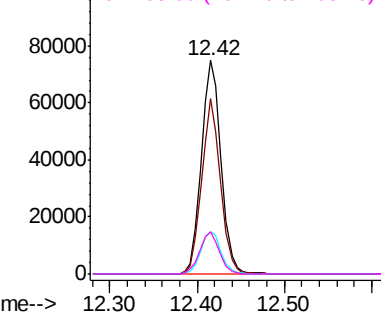


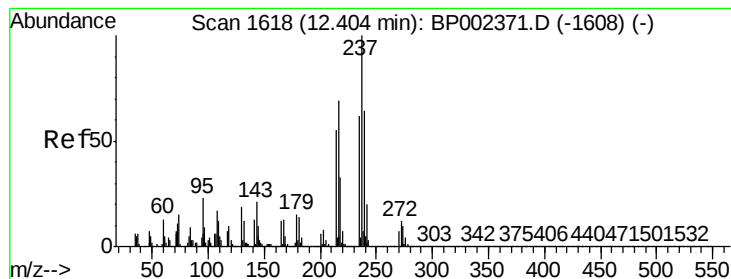
Abundance Ion 216.00 (215.70 to 216.70): E

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: 8.538 ng

RT: 12.40 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

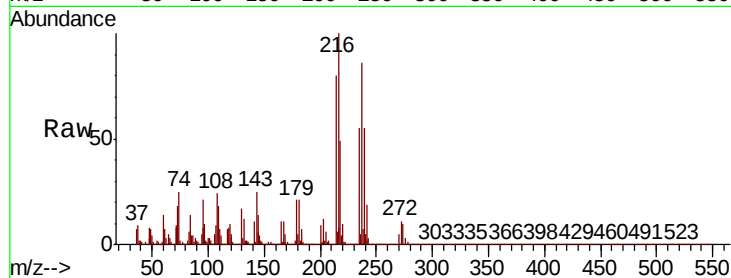
Tot Ion:237 Resp: 45753

Ion Ratio Lower Upper

237 100

235 63.6 42.0 82.0

272 12.6 0.0 32.5

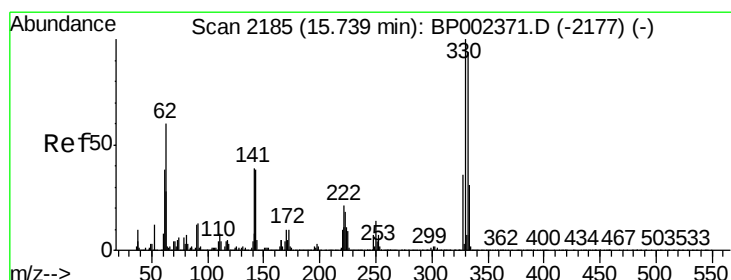
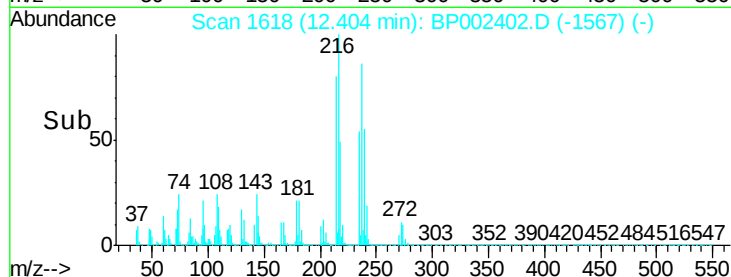
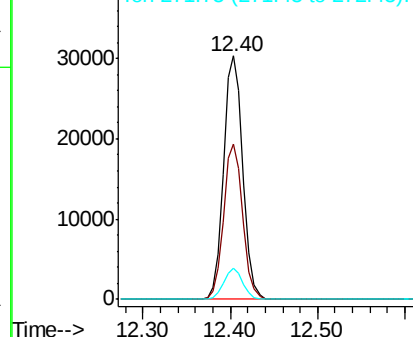


Abundance

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: 182.747 ng

RT: 15.74 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

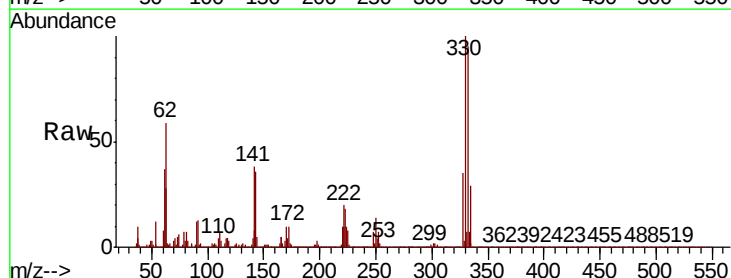
Tgt Ion:330 Resp: 669021

Ion Ratio Lower Upper

330 100

332 94.8 76.6 115.0

141 37.0 30.3 45.5

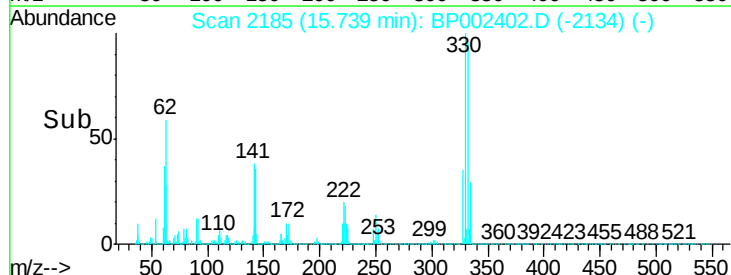
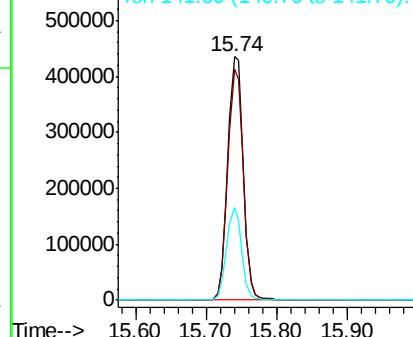


Abundance

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

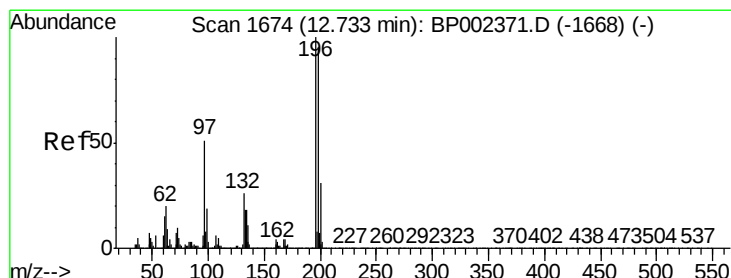
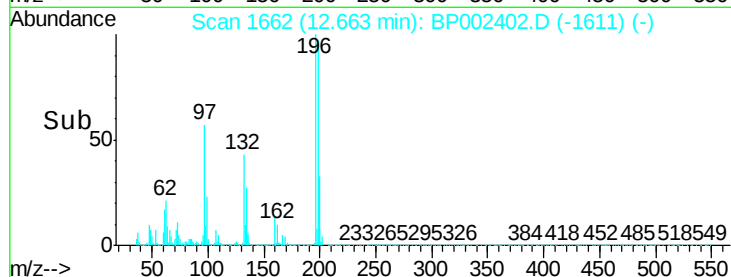
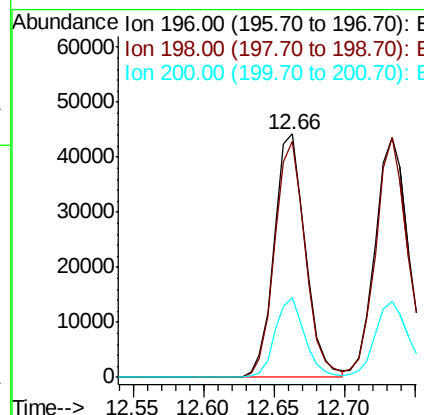
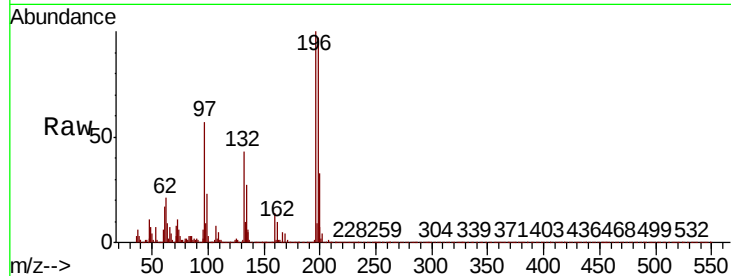




#43
2,4,6-Trichlorophenol
Concen: 9.610 ng
RT: 12.66 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

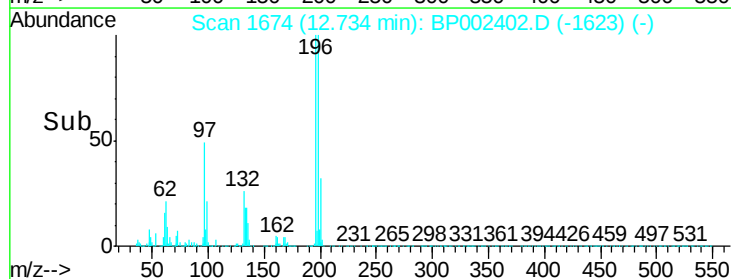
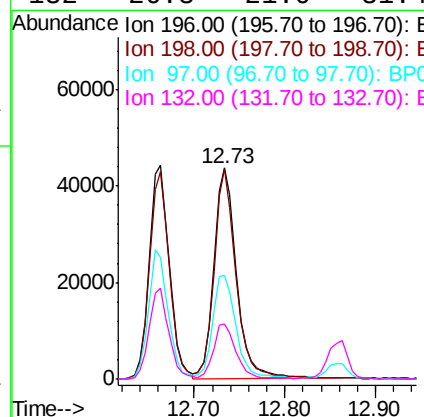
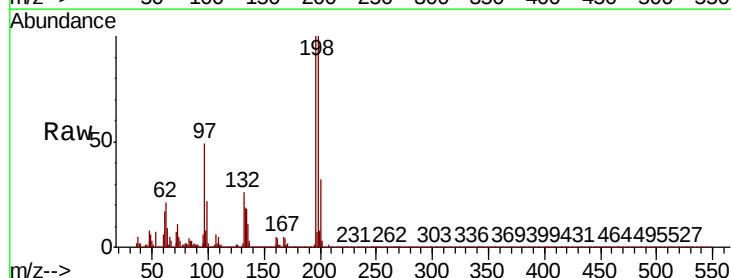
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

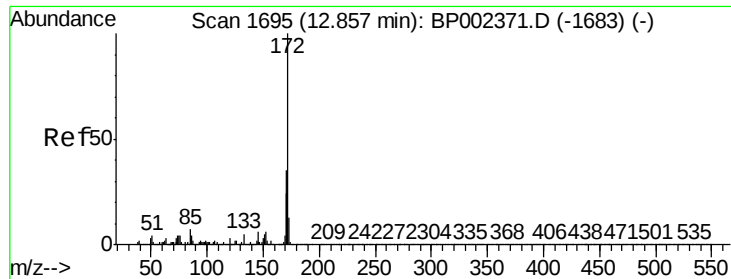
Tot Ion:196 Resp: 68553
Ion Ratio Lower Upper
196 100
198 96.9 76.6 115.0
200 32.9 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 9.110 ng
RT: 12.73 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:196 Resp: 75246
Ion Ratio Lower Upper
196 100
198 99.8 76.2 114.2
97 49.4 40.6 61.0
132 26.3 21.0 31.4

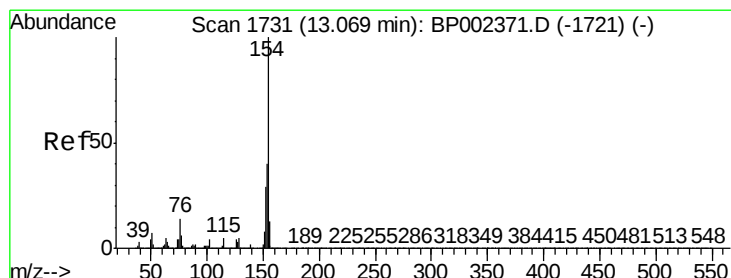
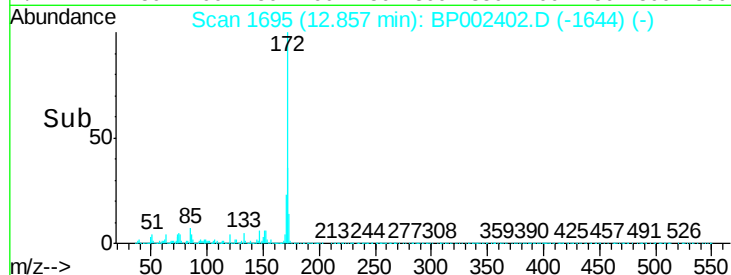
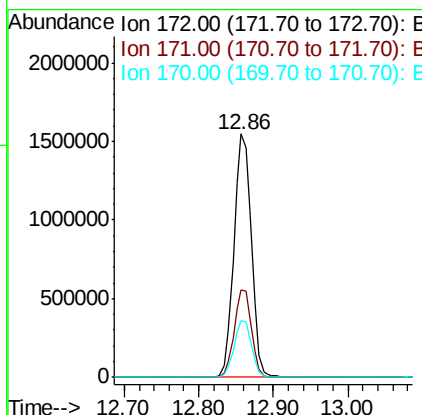
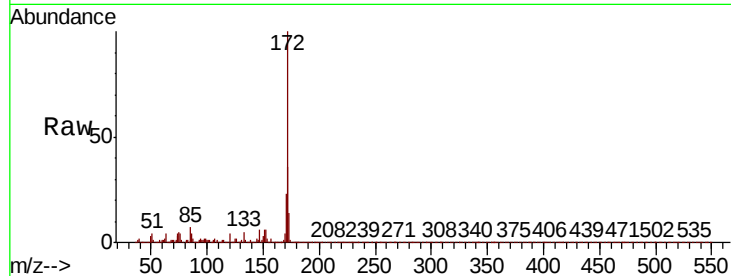




#45
2-Fluorobiphenyl
Concen: 110.933 ng
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

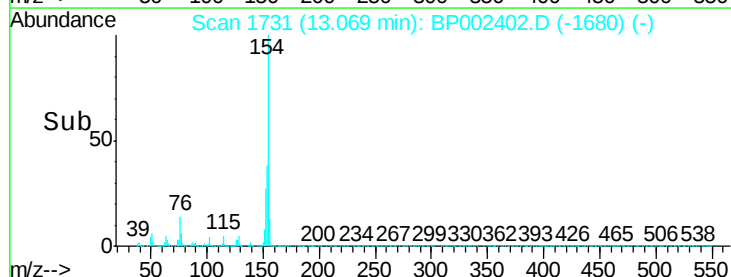
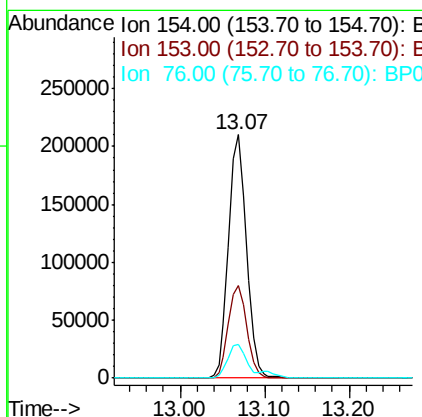
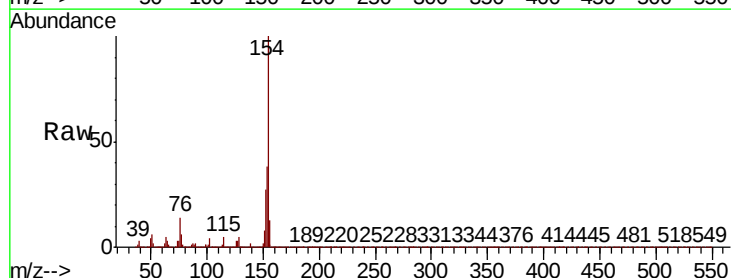
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:172 Resp: 2522725
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.8
170 23.5 19.0 28.6



#46
1,1'-Biphenyl
Concen: 12.284 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:154 Resp: 307829
Ion Ratio Lower Upper
154 100
153 38.0 20.2 60.2
76 13.8 0.0 34.2

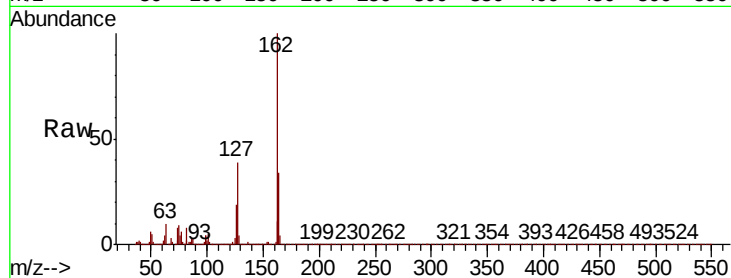




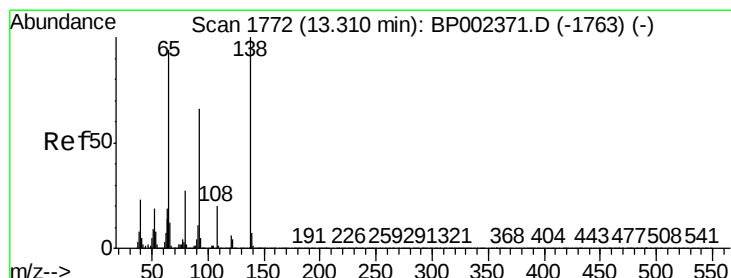
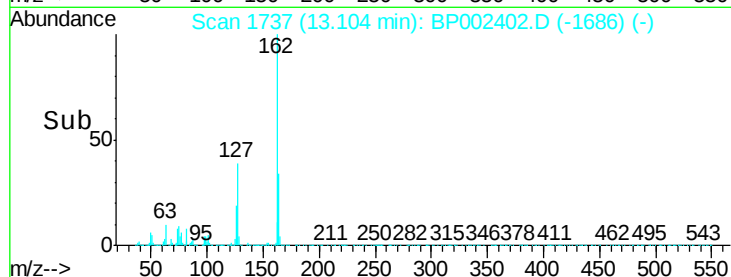
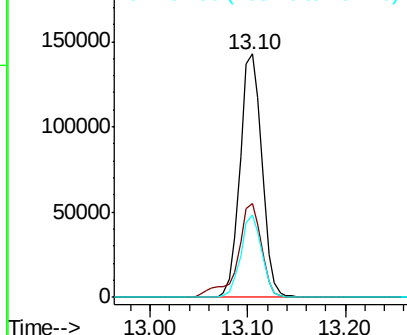
#47
2-Chloronaphthalene
Concen: 10.892 ng
RT: 13.10 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.0	46.4
164	33.6	26.6	40.0

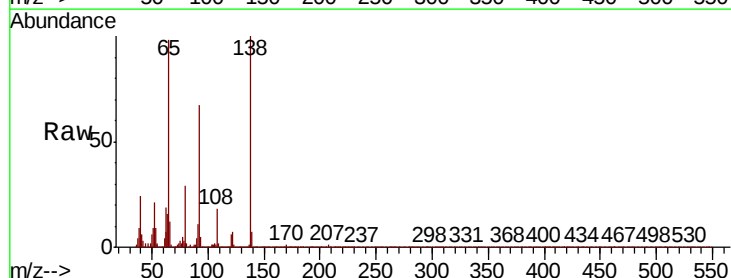


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

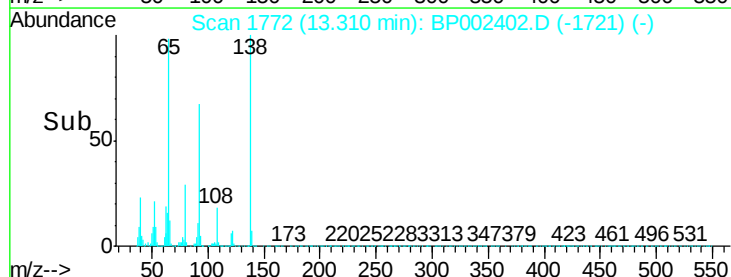
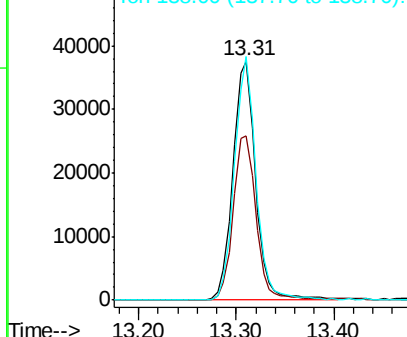


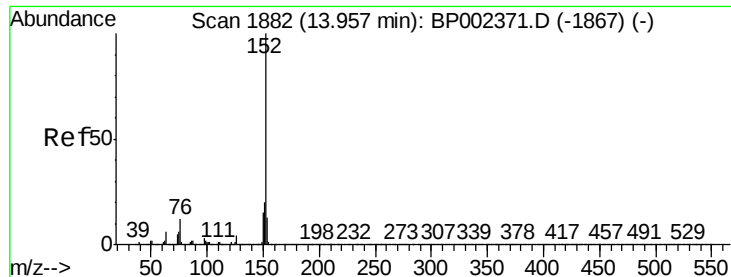
#48
2-Nitroaniline
Concen: 9.283 ng
RT: 13.31 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.9	56.3	84.5
138	102.1	85.0	127.6



Abundance Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 10.964 ng

RT: 13.96 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

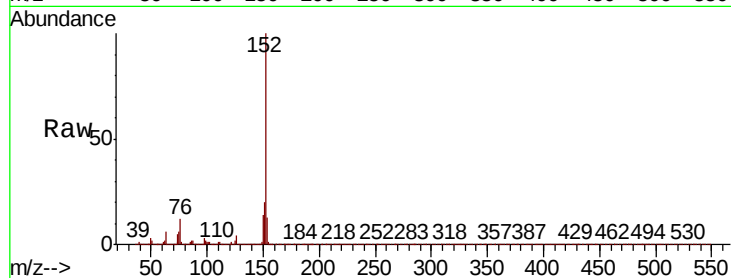
Tot Ion:152 Resp: 358698

Ion Ratio Lower Upper

152 100

151 20.2 15.7 23.5

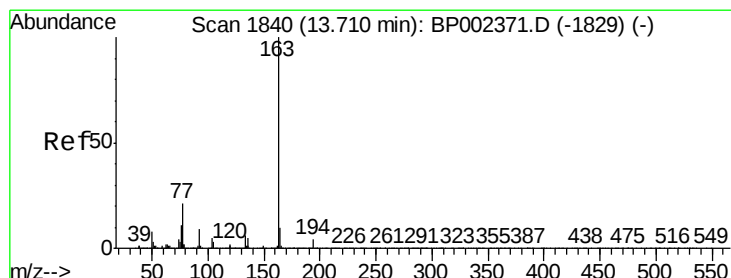
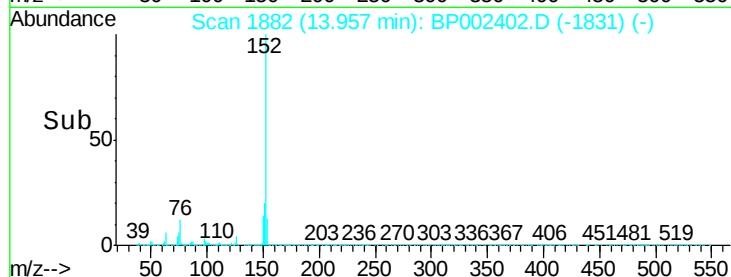
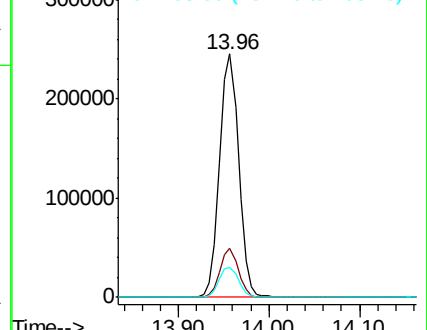
153 12.5 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 10.584 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

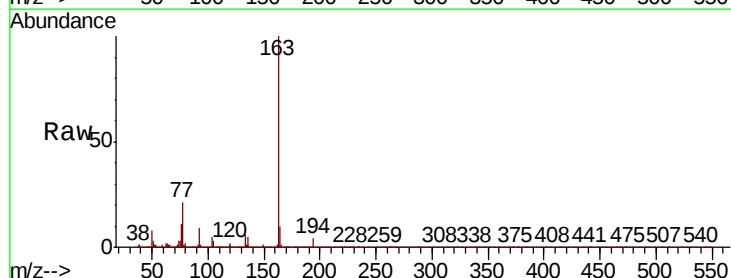
Tgt Ion:163 Resp: 277308

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

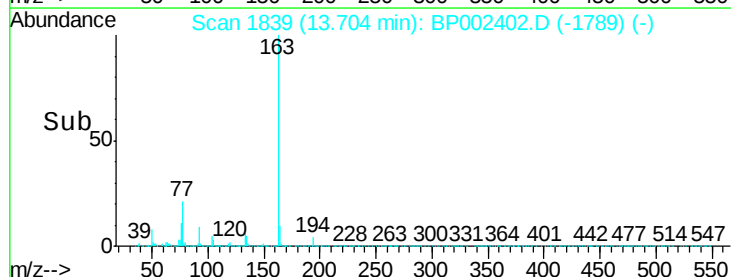
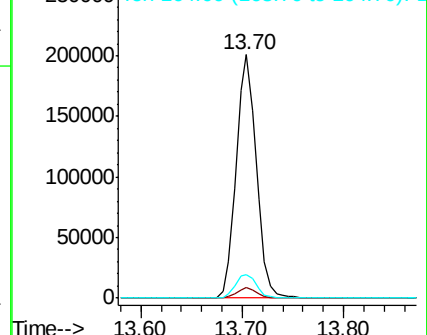
164 9.8 8.1 12.1

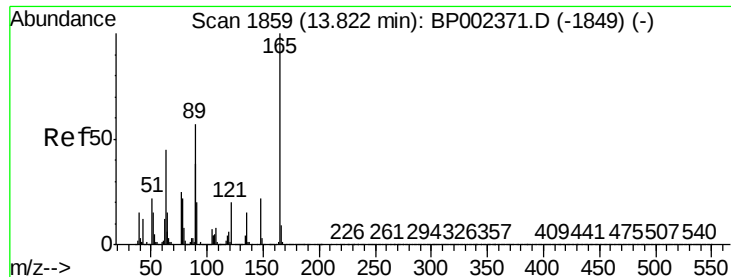


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

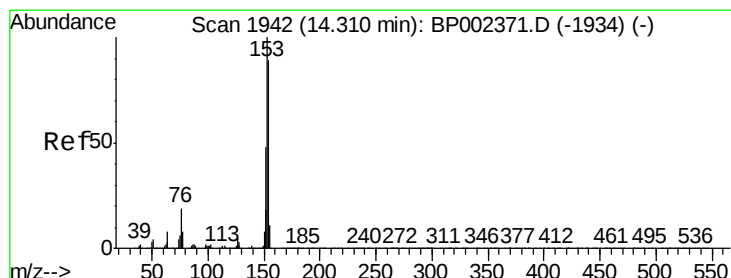
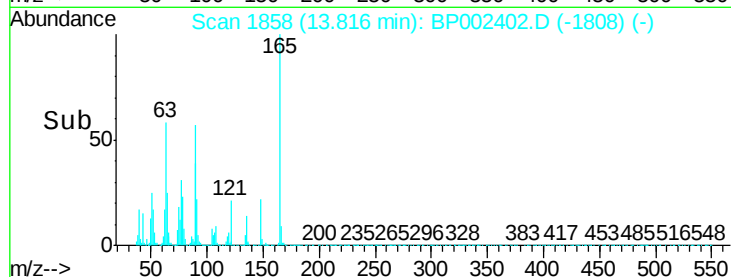
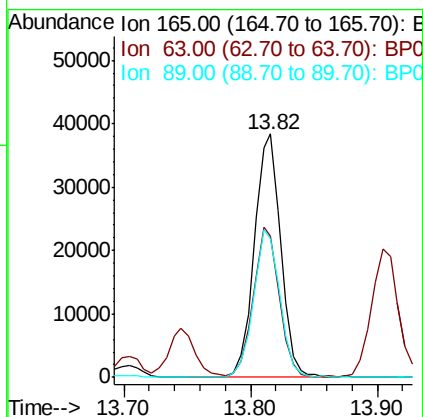
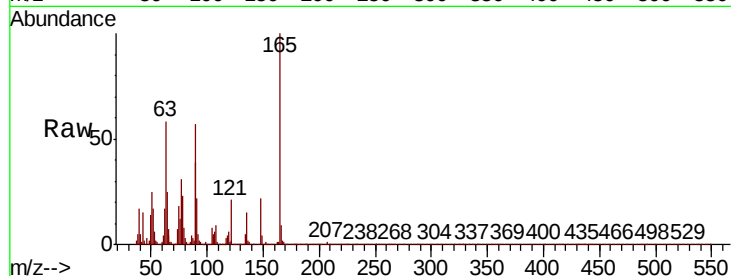




#51
2,6-Dinitrotoluene
Concen: 9.794 ng
RT: 13.82 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

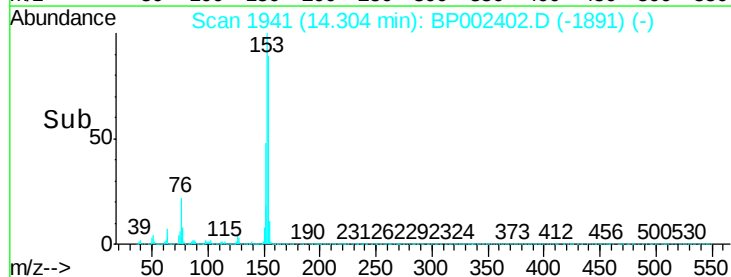
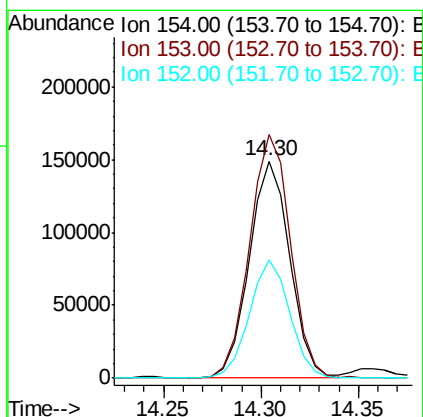
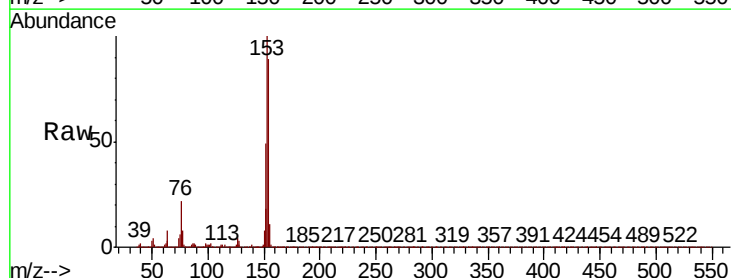
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

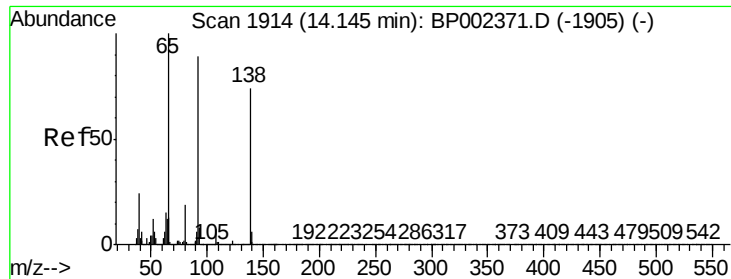
Tot Ion:165 Resp: 55725
Ion Ratio Lower Upper
165 100
63 57.9 43.1 64.7
89 57.1 45.3 67.9



#52
Acenaphthene
Concen: 11.190 ng
RT: 14.30 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:154 Resp: 214475
Ion Ratio Lower Upper
154 100
153 112.3 89.5 134.3
152 54.6 43.3 64.9

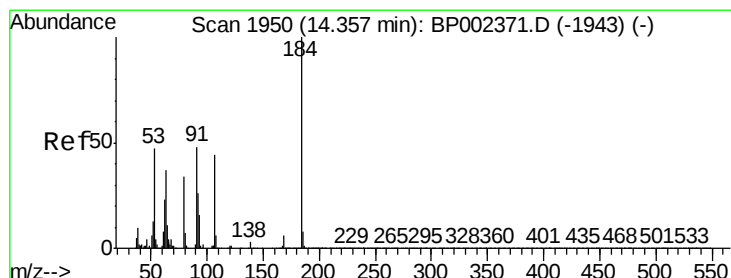
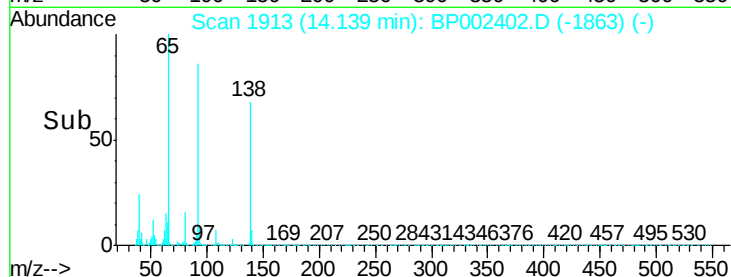
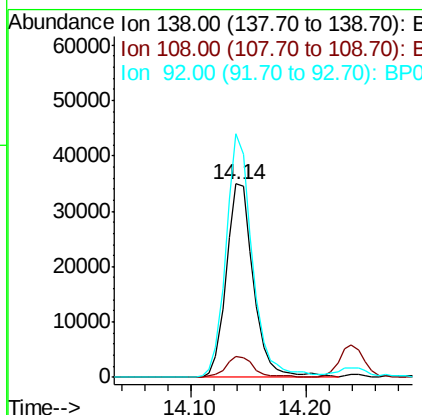
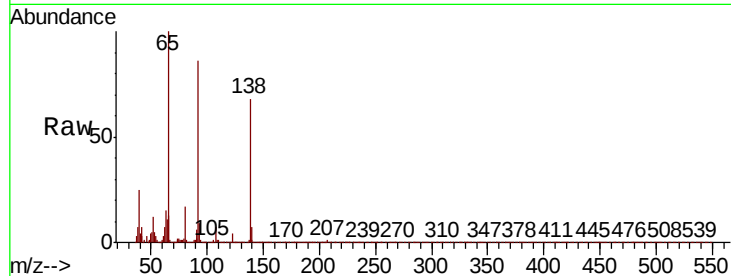




#53
3-Nitroaniline
Concen: 8.782 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

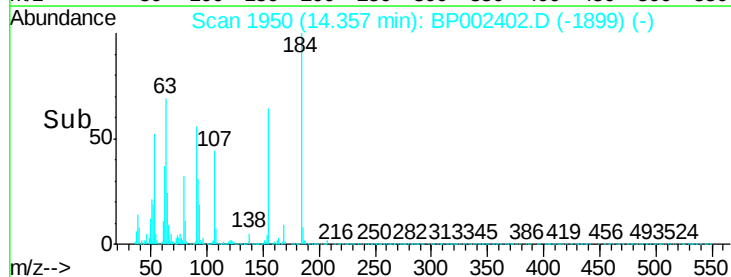
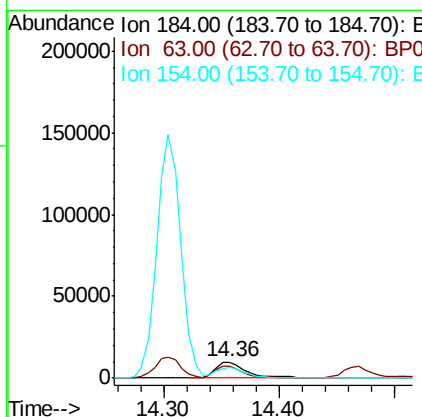
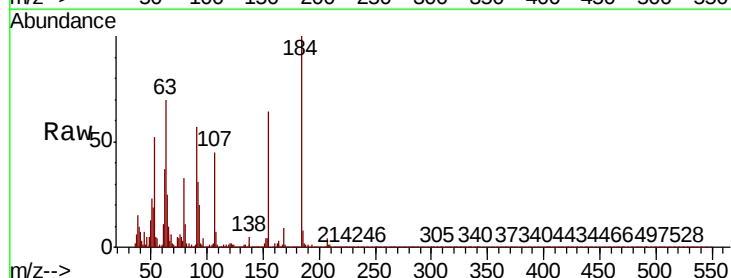
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

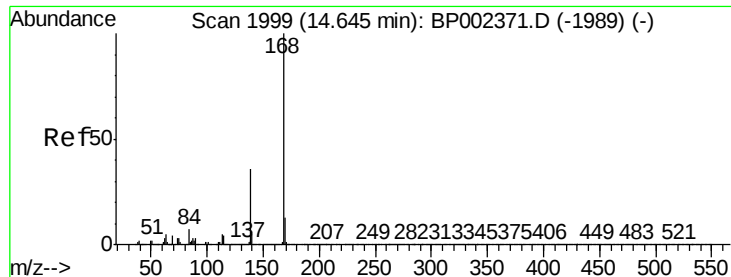
Tot Ion:138 Resp: 57056
Ion Ratio Lower Upper
138 100
108 10.6 8.0 12.0
92 125.7 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 6.011 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:184 Resp: 18760
Ion Ratio Lower Upper
184 100
63 69.9 52.3 78.5
154 64.1 48.6 72.8





#55

Dibenzenofuran

Concen: 11.235 ng

RT: 14.65 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

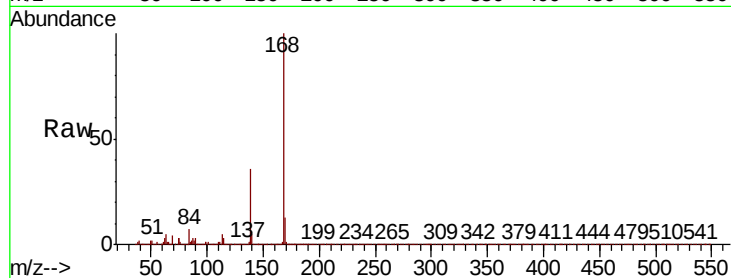
Tot Ion:168 Resp: 346690

Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.9	43.3
169	13.0	10.6	15.8

168 100

139 36.0 28.9 43.3

169 13.0 10.6 15.8

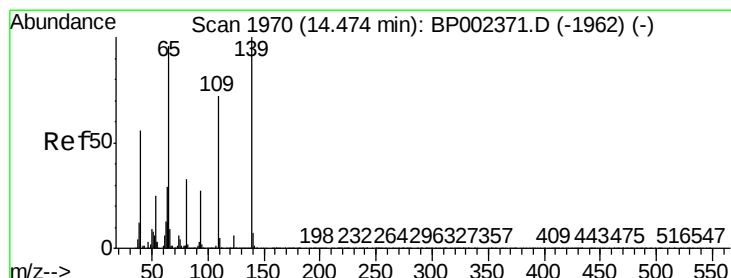
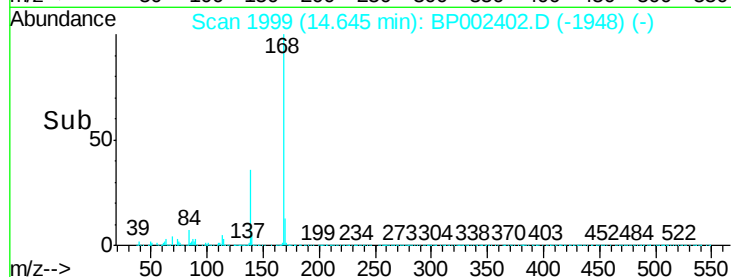
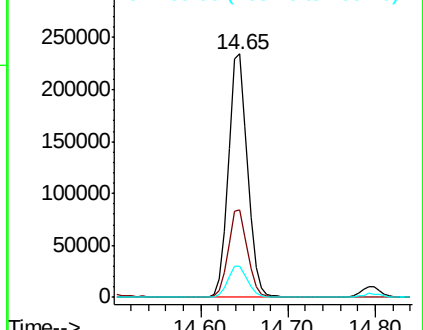


Abundance

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: 8.215 ng

RT: 14.47 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

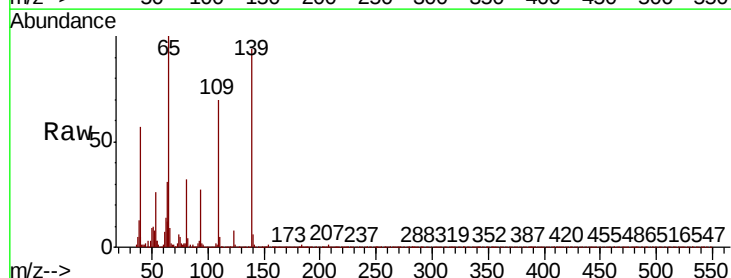
Tgt Ion:139 Resp: 42379

Ion	Ratio	Lower	Upper
139	100		
109	74.8	52.0	92.0
65	106.6	76.3	116.3

139 100

109 74.8 52.0 92.0

65 106.6 76.3 116.3

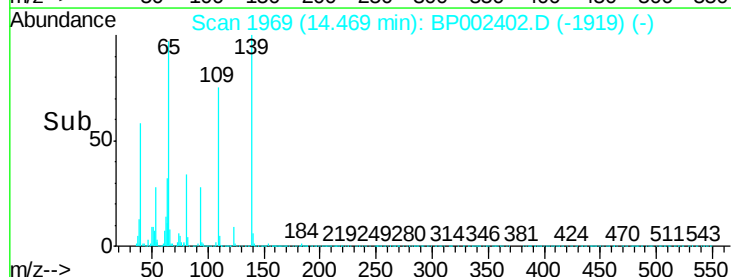
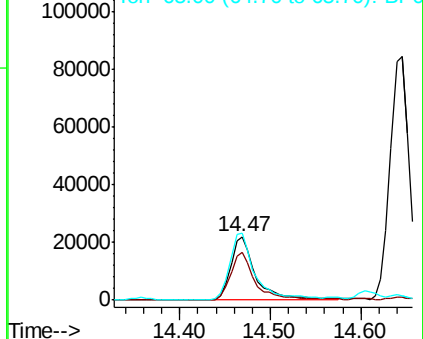


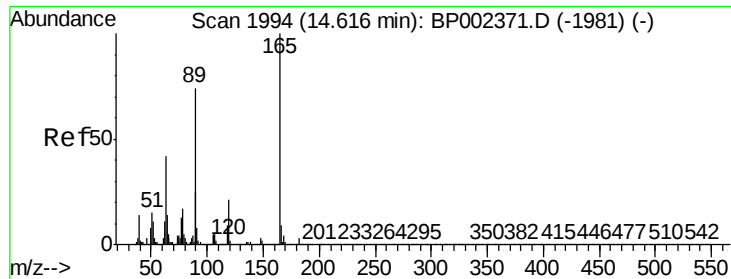
Abundance

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): BP0

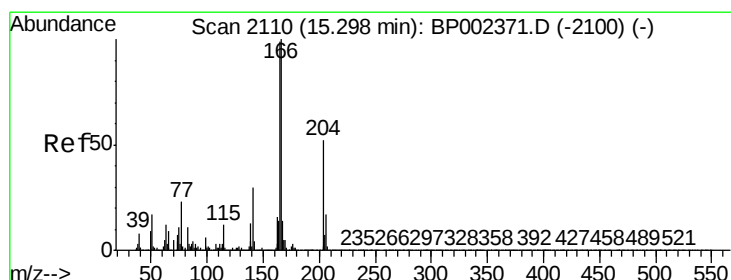
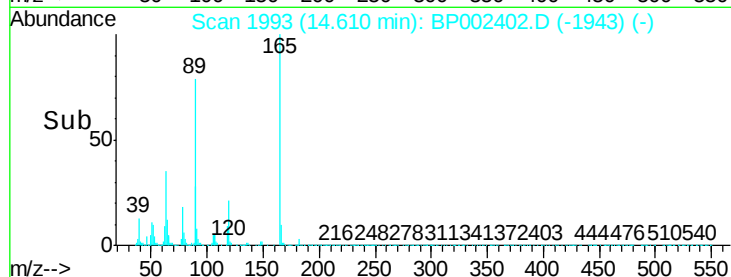
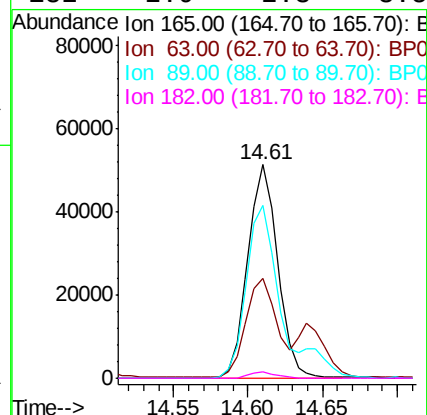
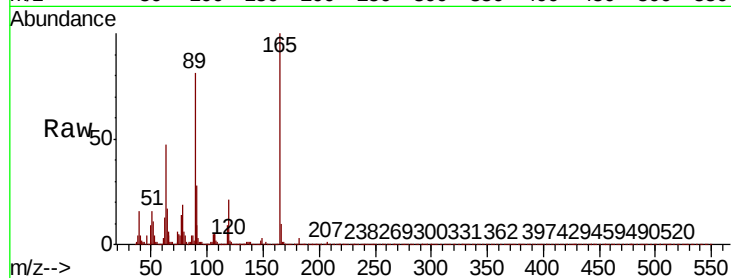




#57
2,4-Dinitrotoluene
Concen: 9.226 ng
RT: 14.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

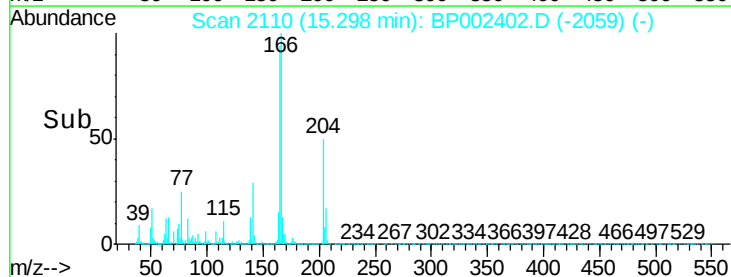
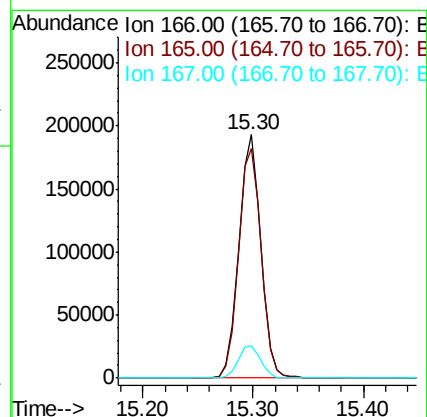
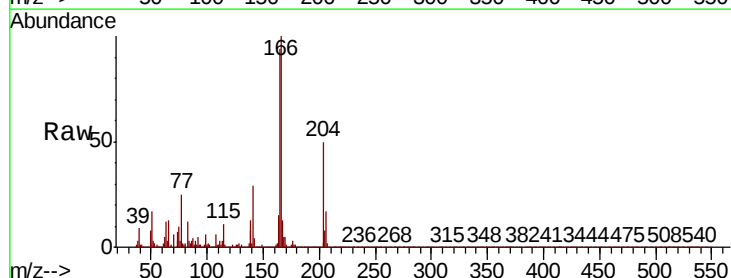
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:165 Resp: 71455
Ion Ratio Lower Upper
165 100
63 46.7 34.2 51.2
89 80.8 59.3 88.9
182 2.9 2.3 3.5



#58
Fluorene
Concen: 11.107 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:166 Resp: 269580
Ion Ratio Lower Upper
166 100
165 94.3 79.1 118.7
167 13.2 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.969 ng

RT: 14.87 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:232 Resp: 65364

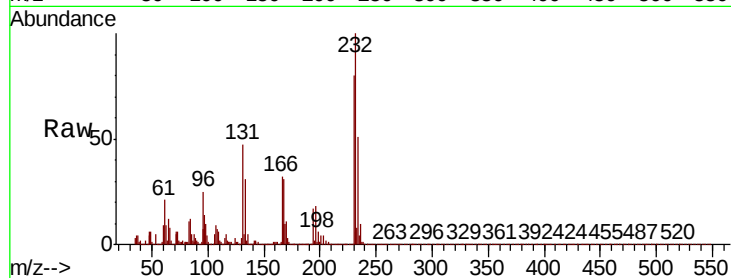
Ion Ratio Lower Upper

232 100

131 45.4 35.1 52.7

130 2.2 1.8 2.8

166 31.1 24.4 36.6



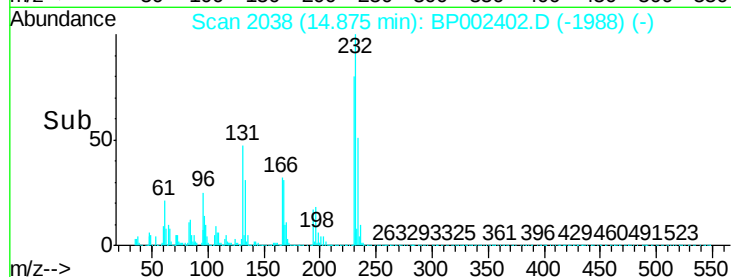
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

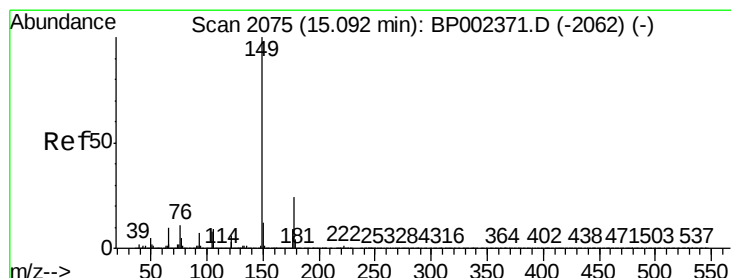
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

Time-->



Time-->



#60

Diethylphthalate

Concen: 10.421 ng

RT: 15.09 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

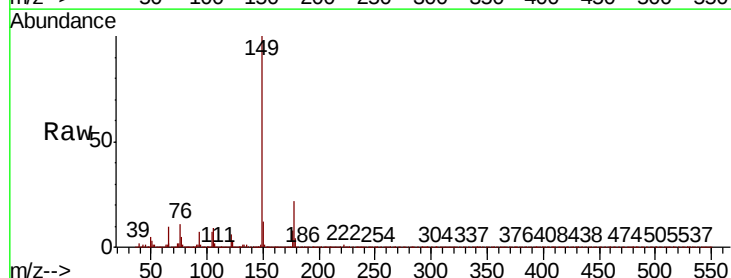
Tgt Ion:149 Resp: 273576

Ion Ratio Lower Upper

149 100

177 22.0 18.9 28.3

150 11.7 9.9 14.9

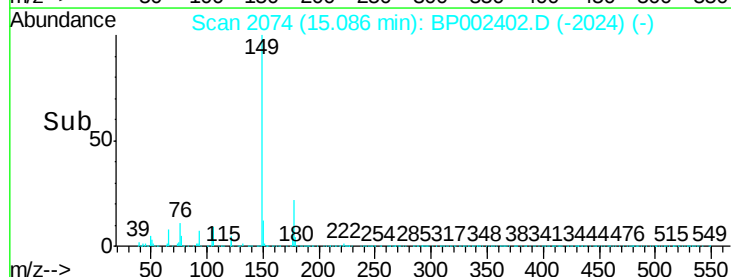


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->



Time-->



#61

4-Chlorophenyl-phenylether

Concen: 11.770 ng

RT: 15.30 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

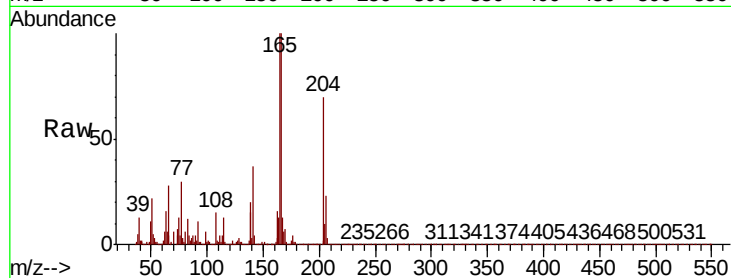
Tot Ion:204 Resp: 138477

Ion Ratio Lower Upper

204 100

206 32.5 26.8 40.2

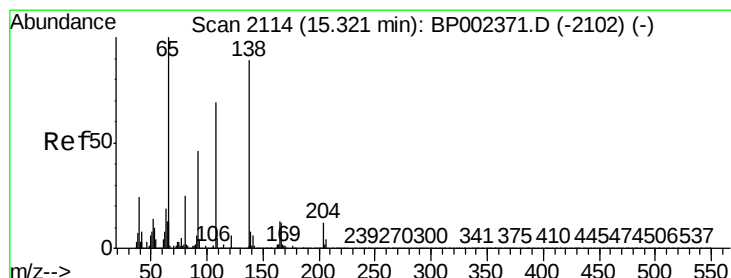
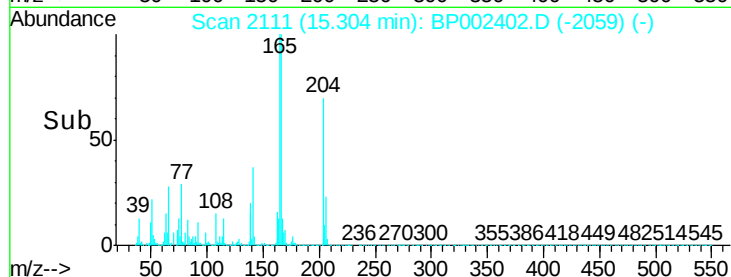
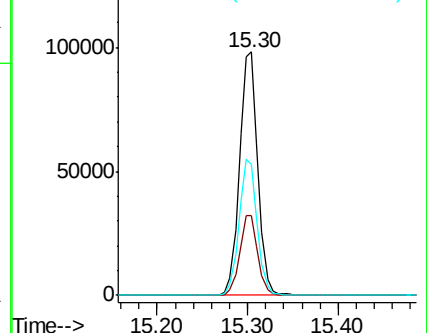
141 53.6 46.6 69.8



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 9.034 ng

RT: 15.31 min Scan# 2112

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

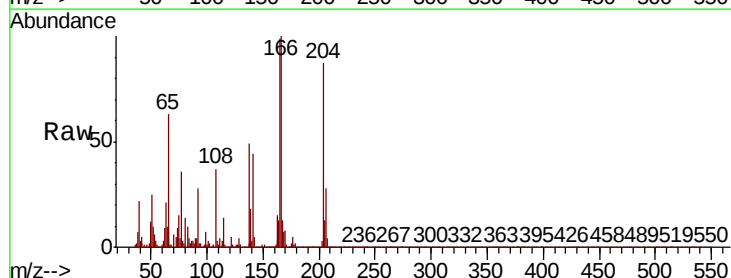
Tgt Ion:138 Resp: 56397

Ion Ratio Lower Upper

138 100

92 56.3 31.7 71.7

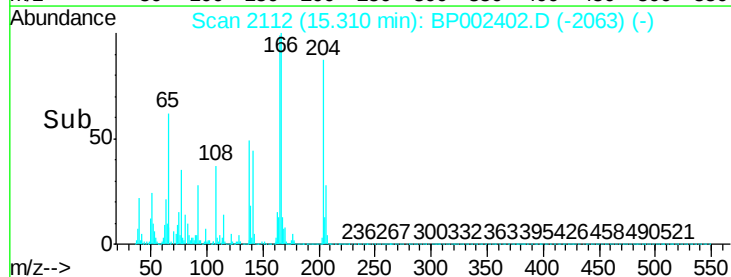
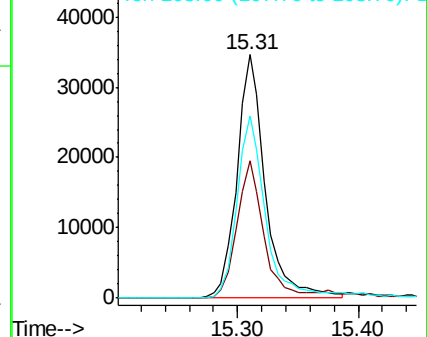
108 74.8 57.5 97.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E

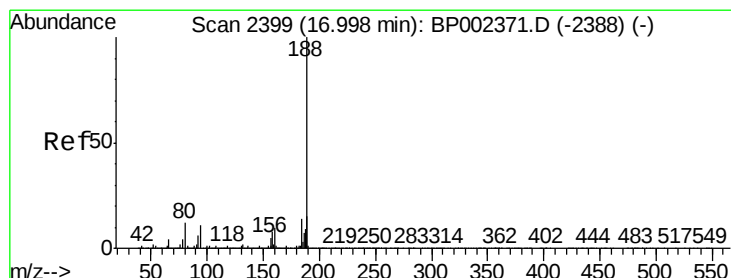
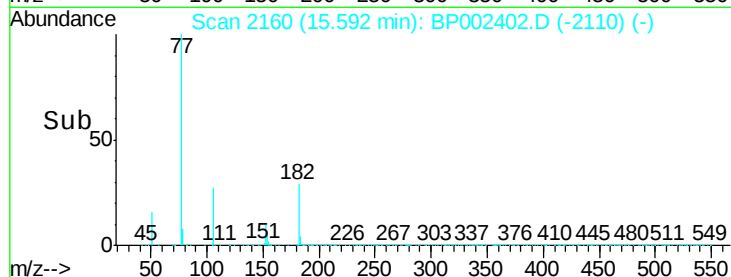
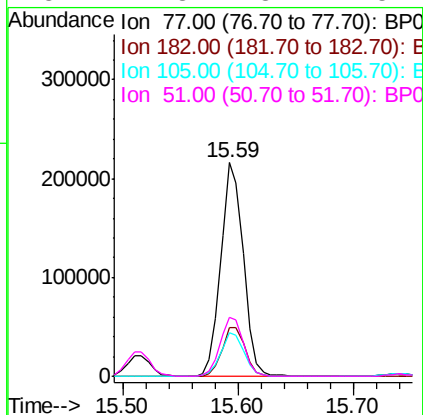
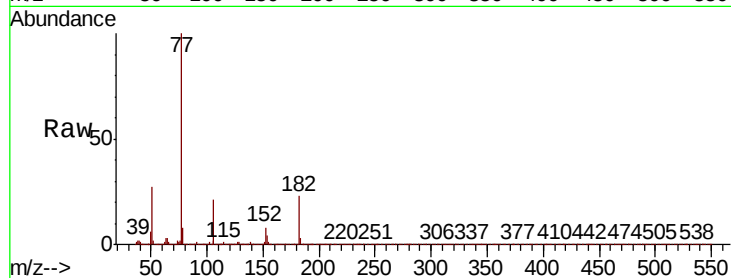




#63
Azobenzene
Concen: 11.123 ng
RT: 15.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

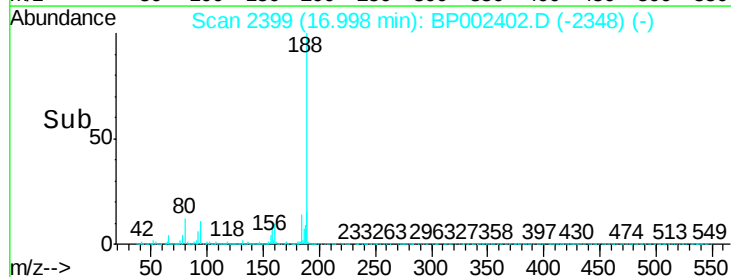
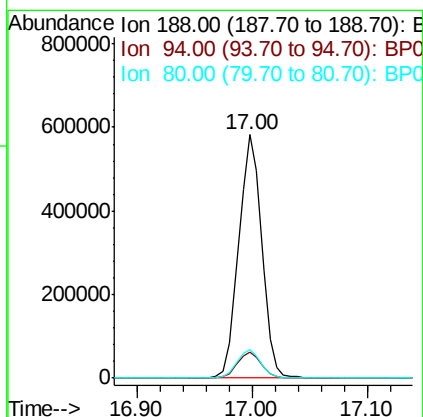
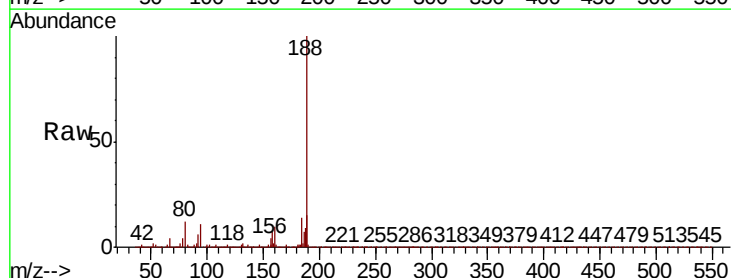
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

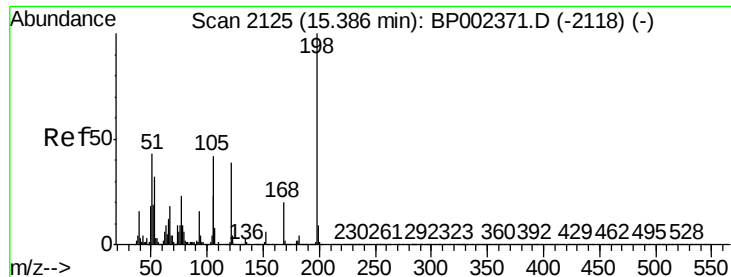
Tot Ion:	77	Resp:	290658
Ion	Ratio	Lower	Upper
77	100		
182	22.8	6.0	46.0
105	20.7	1.3	41.3
51	27.3	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:	188	Resp:	806795
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.5	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.104 ng

RT: 15.38 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

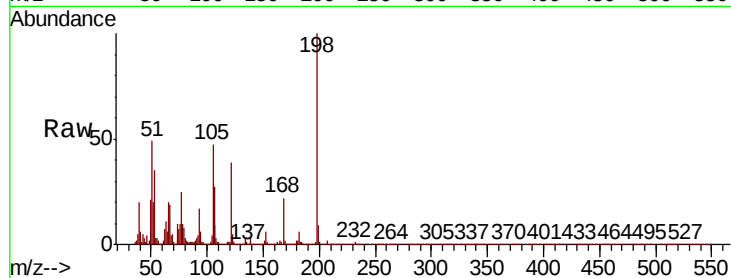
Tot Ion:198 Resp: 34502

Ion Ratio Lower Upper

198 100

51 48.9 23.4 63.4

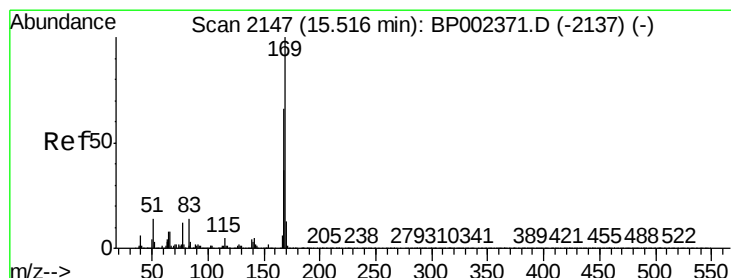
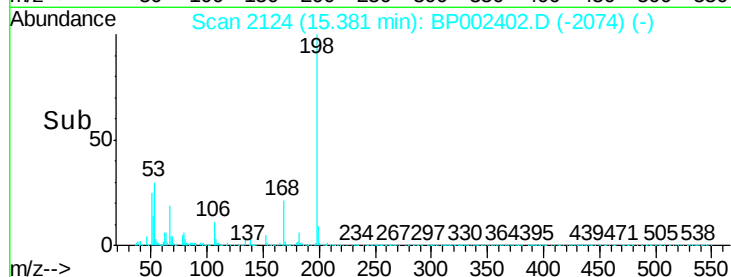
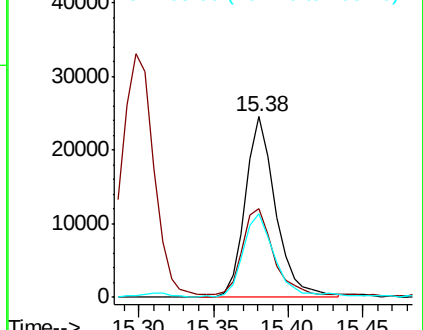
105 46.5 22.5 62.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BPO

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 11.592 ng

RT: 15.52 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

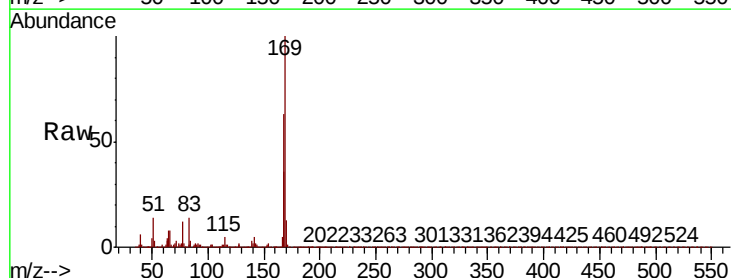
Tgt Ion:169 Resp: 238912

Ion Ratio Lower Upper

169 100

168 62.8 52.8 79.2

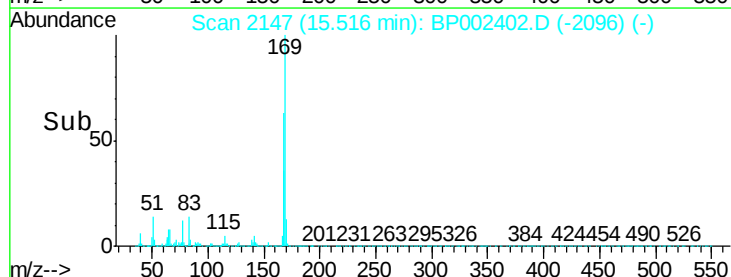
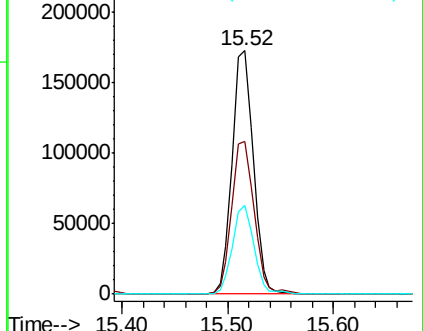
167 36.5 29.4 44.0

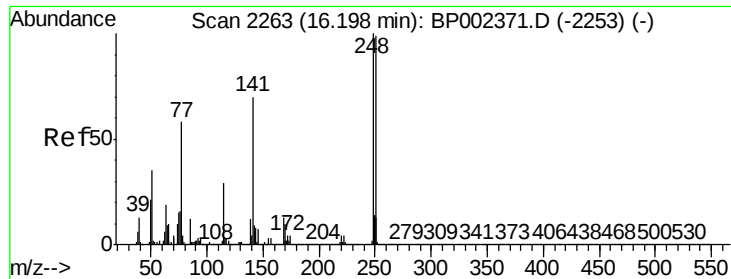


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

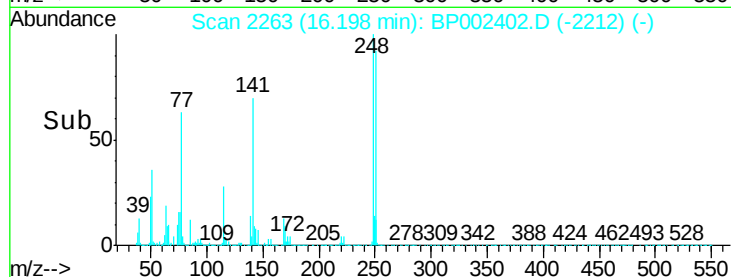
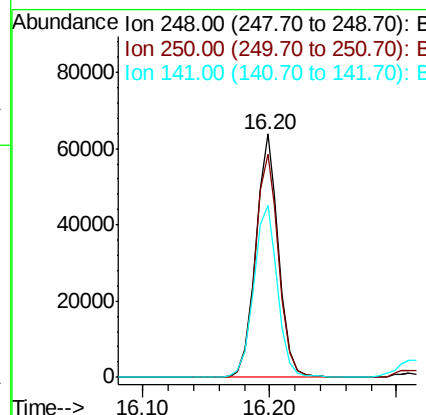
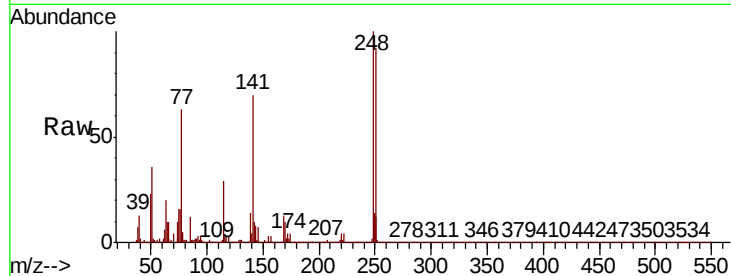




#67
4-Bromophenyl-phenylether
Concen: 10.445 ng
RT: 16.20 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

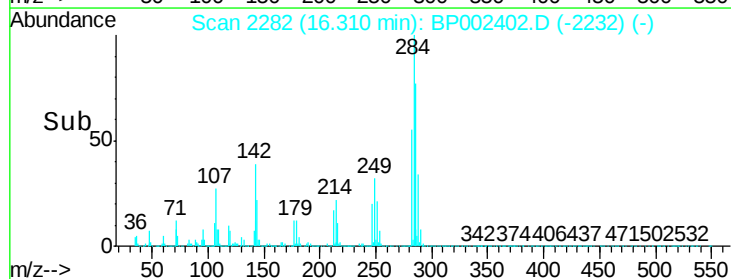
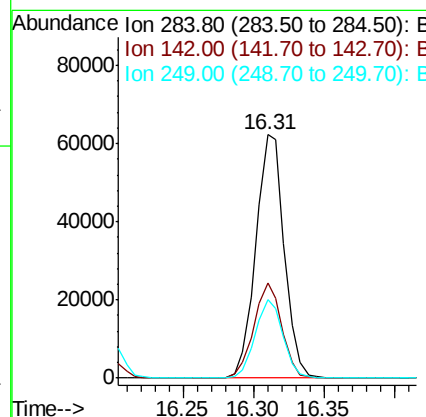
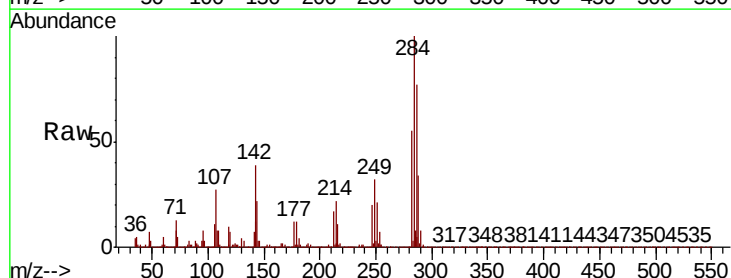
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

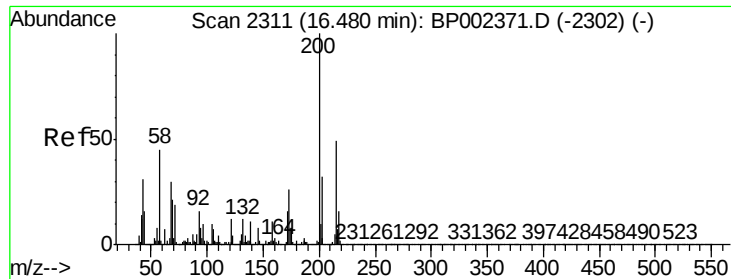
Tot Ion:248 Resp: 79826
Ion Ratio Lower Upper
248 100
250 91.8 79.3 118.9
141 70.5 55.7 83.5



#68
Hexachlorobenzene
Concen: 10.882 ng
RT: 16.31 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:284 Resp: 88258
Ion Ratio Lower Upper
284 100
142 38.9 27.4 41.0
249 32.2 24.9 37.3





#69

Atrazine

Concen: 12.575 ng

RT: 16.47 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

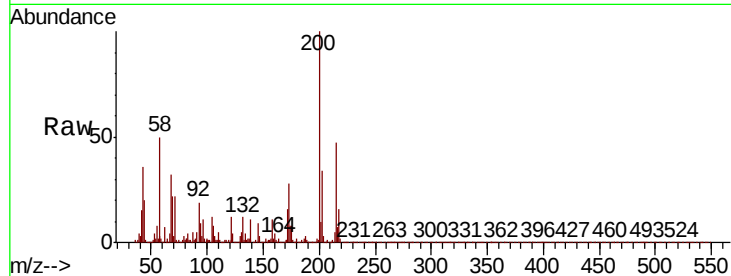
Tot Ion:200 Resp: 84544

Ion Ratio Lower Upper

200 100

173 27.9 6.4 46.4

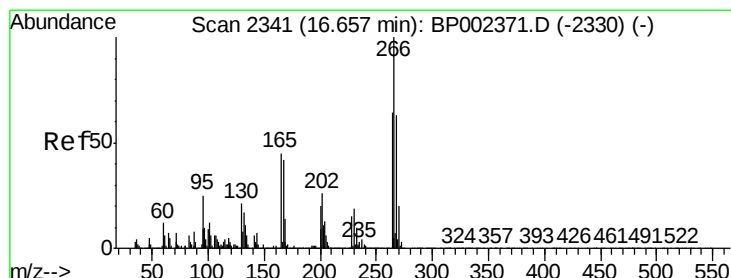
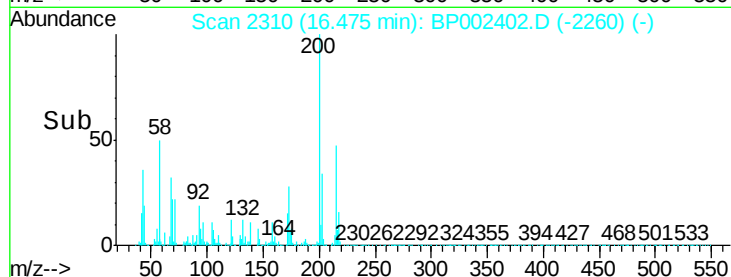
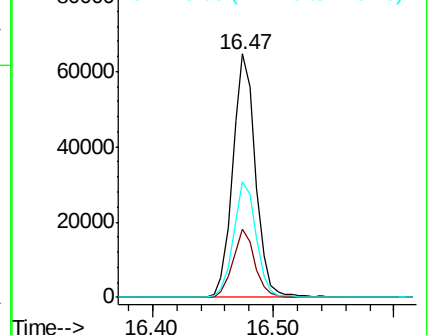
215 47.4 29.3 69.3



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: 8.305 ng

RT: 16.66 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

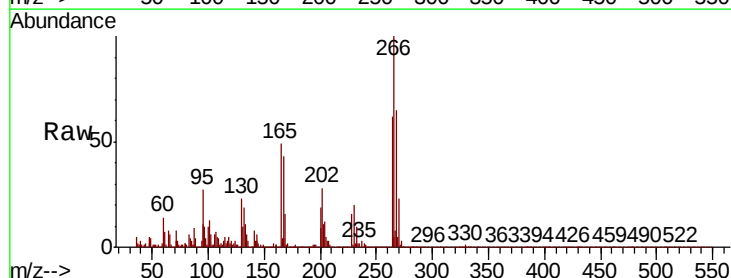
Tgt Ion:266 Resp: 40297

Ion Ratio Lower Upper

266 100

268 64.5 50.5 75.7

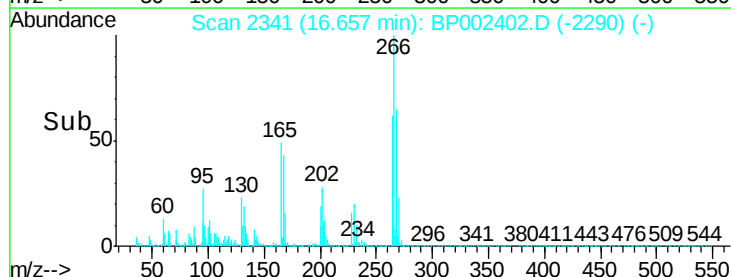
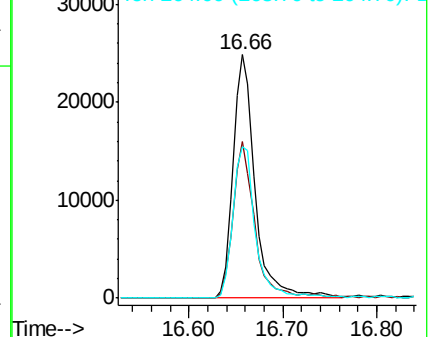
264 62.0 51.4 77.0

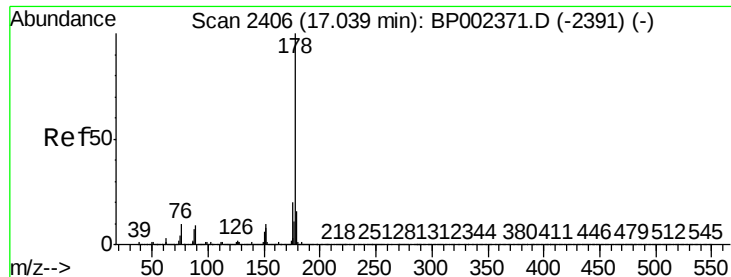


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 11.617 ng

RT: 17.04 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

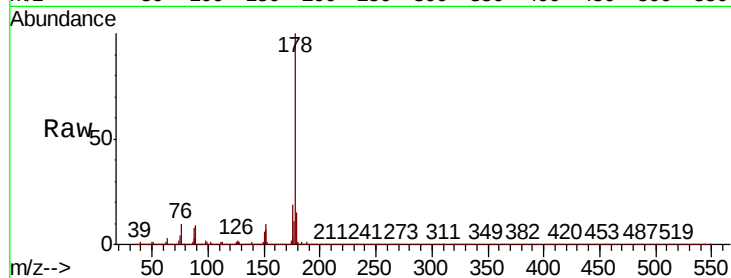
Tot Ion:178 Resp: 438436

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

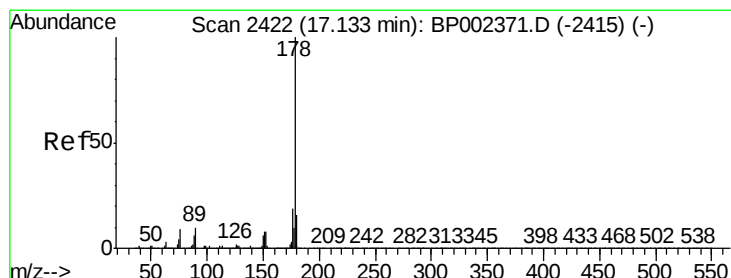
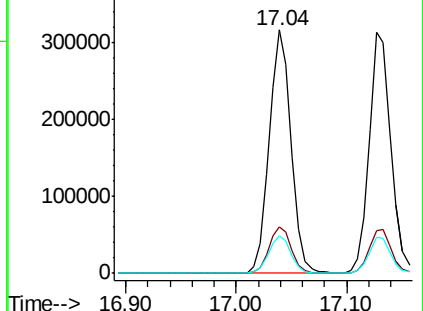
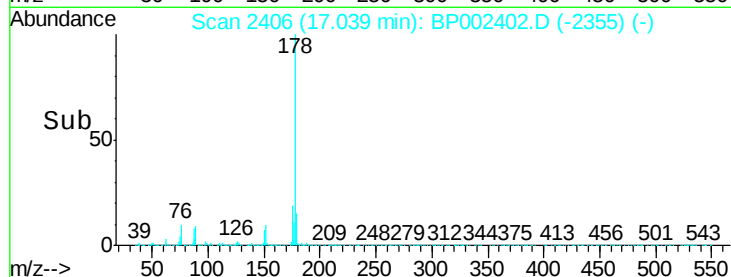
179 15.3 12.5 18.7



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: 11.571 ng

RT: 17.13 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

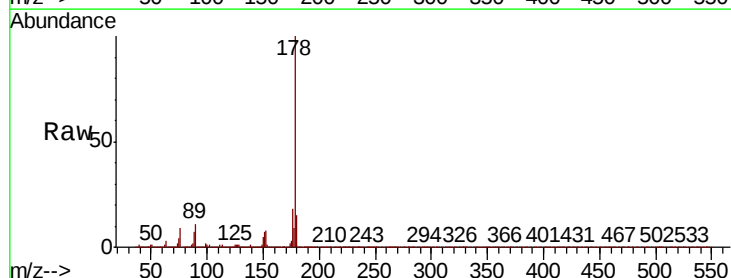
Tgt Ion:178 Resp: 433822

Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

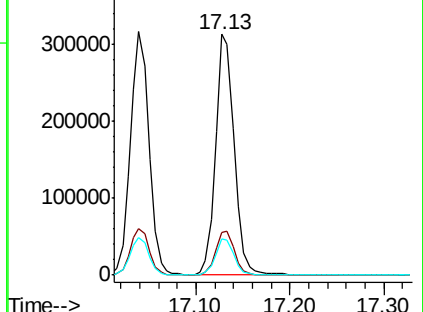
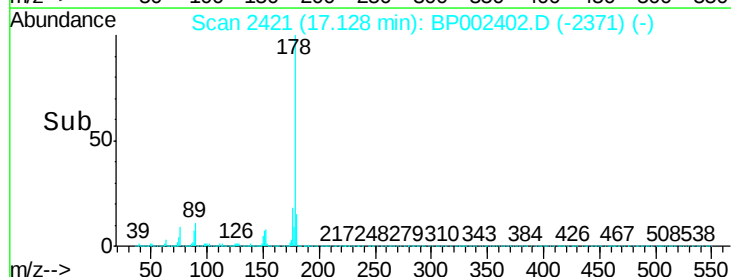
179 15.2 13.0 19.4

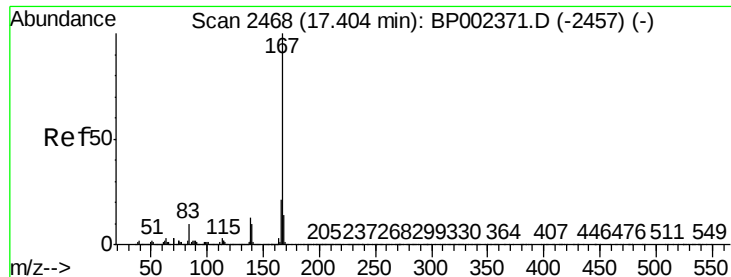


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 10.762 ng

RT: 17.40 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

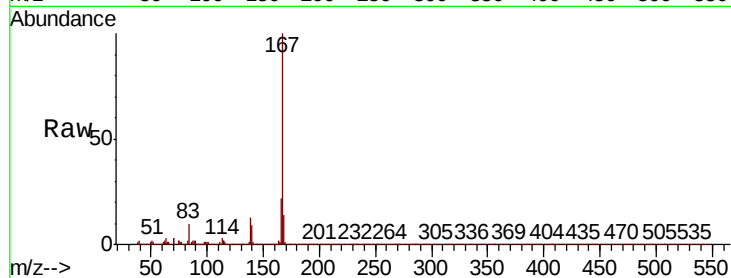
Tot Ion:167 Resp: 396937

Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

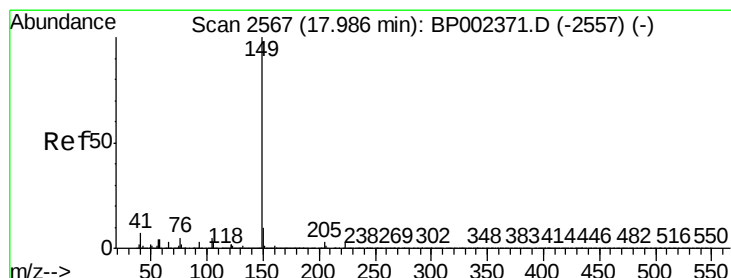
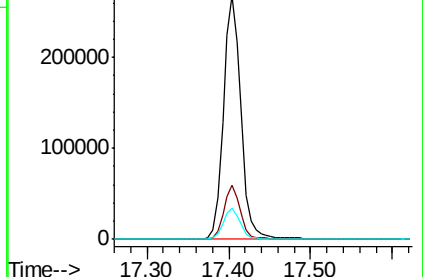
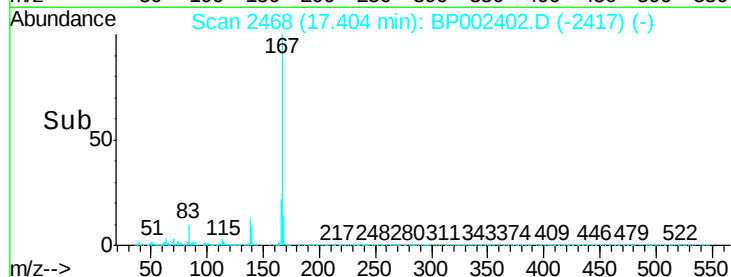
139 12.9 10.3 15.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 9.971 ng

RT: 17.99 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

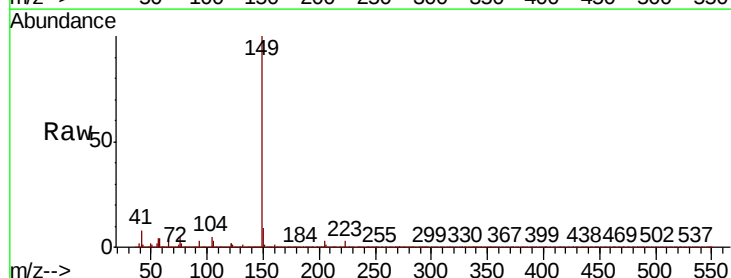
Tgt Ion:149 Resp: 435218

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

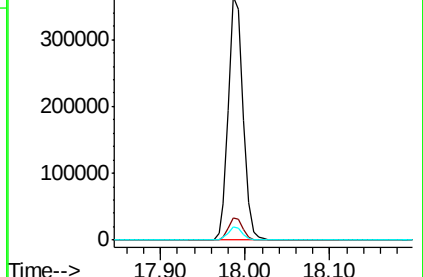
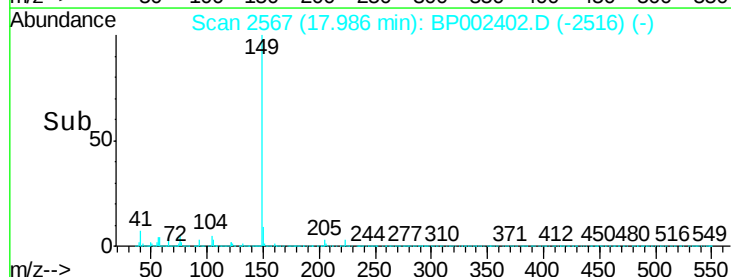
104 5.3 4.3 6.5

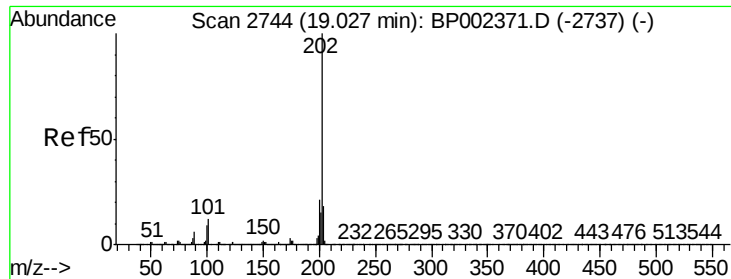


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 10.956 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

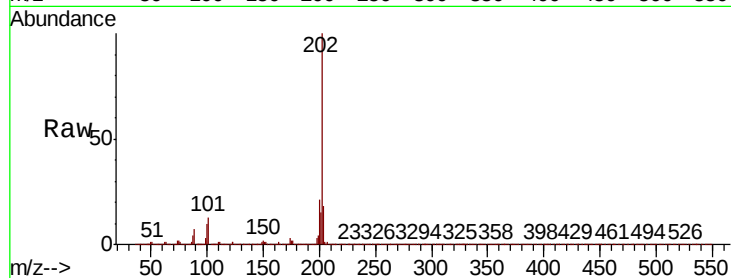
Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

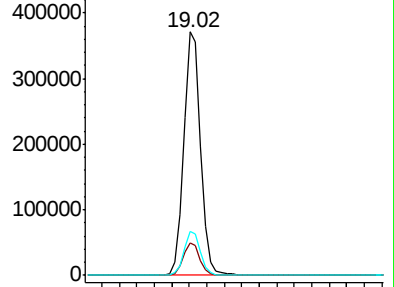
Tot Ion:	202	Resp:	493577
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.8
203	18.1	0.0	38.0



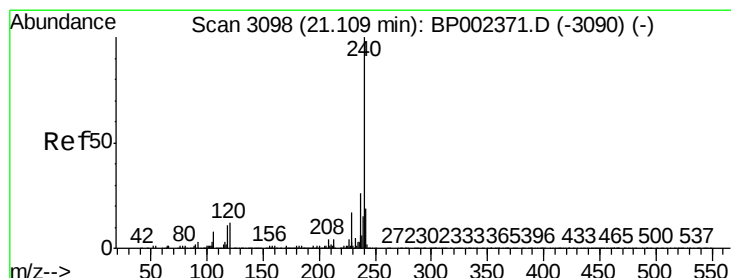
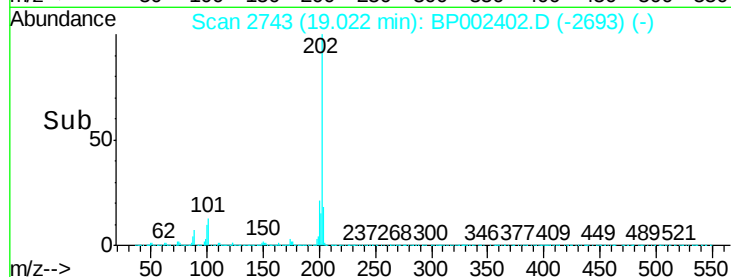
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

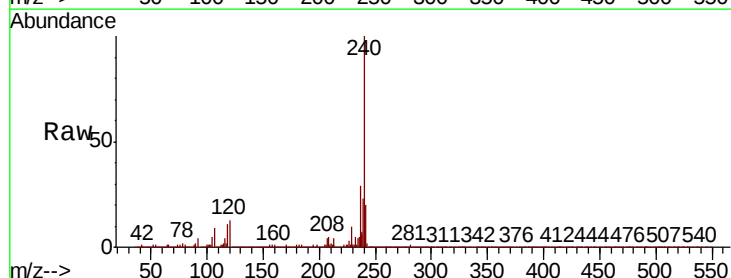
RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

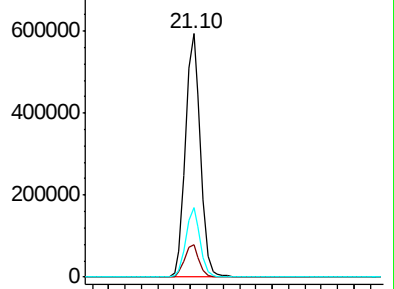
Tgt Ion:	240	Resp:	759694
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.3	13.9
236	28.6	21.0	31.6



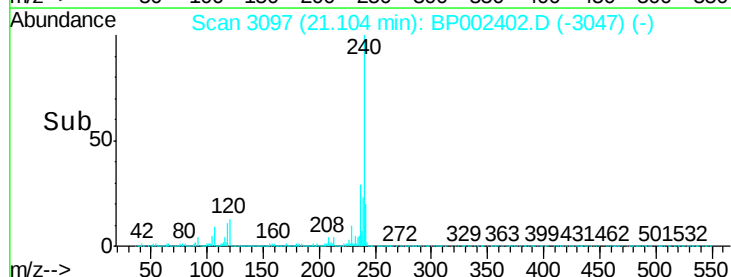
Abundance Ion 240.00 (239.70 to 240.70): E

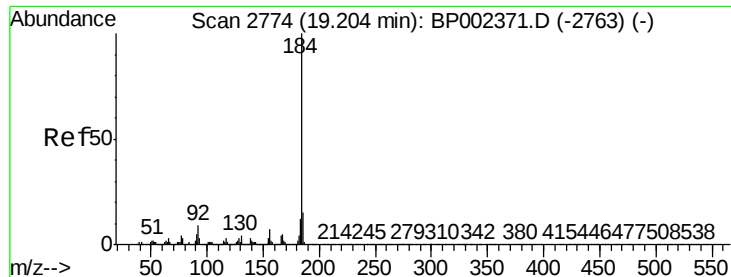
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 13.182 ng

RT: 19.21 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

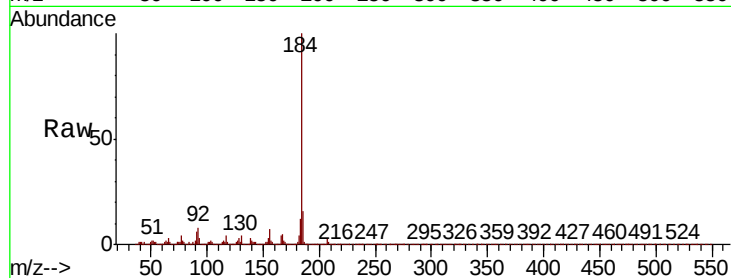
Tot Ion:184 Resp: 223774

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

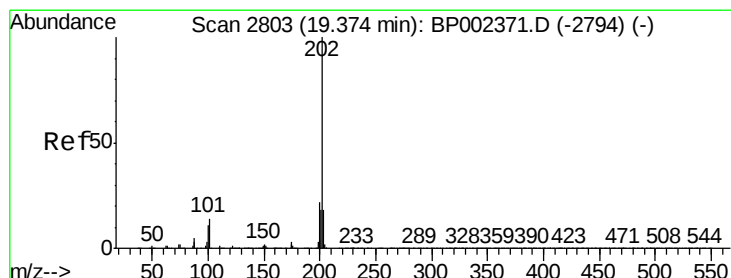
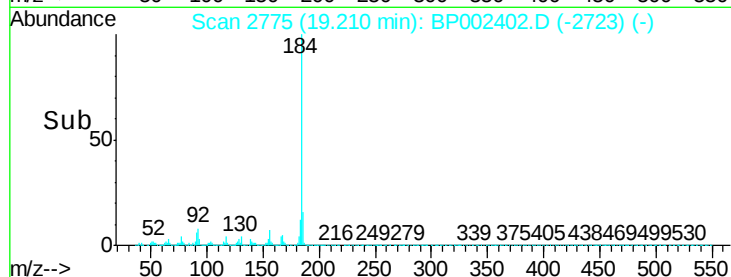
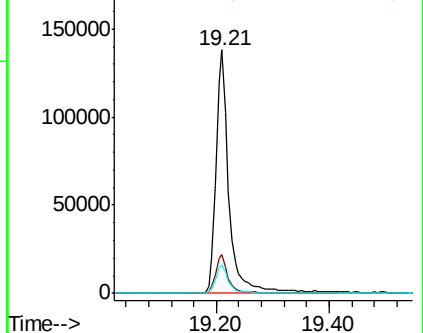
183 11.8 9.2 13.8



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: 11.284 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

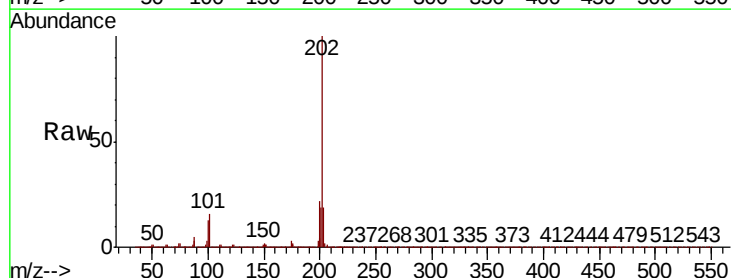
Tgt Ion:202 Resp: 525078

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

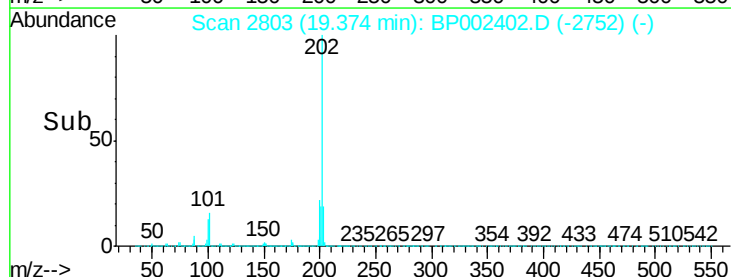
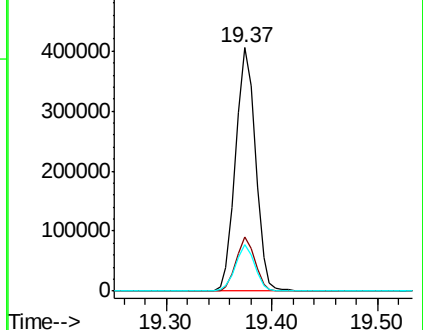
203 19.2 14.6 22.0

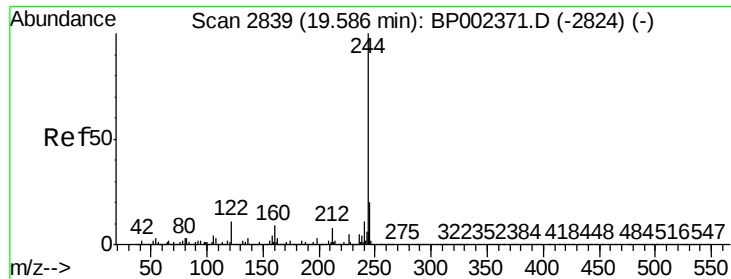


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 119.427 ng

RT: 19.59 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

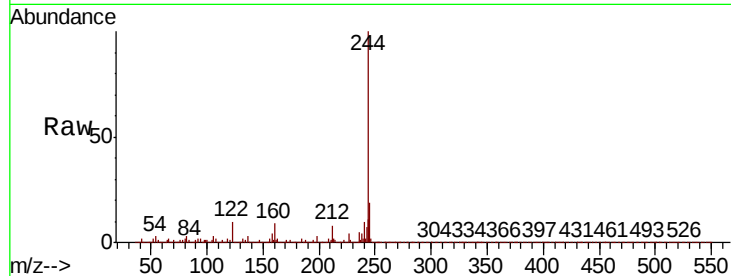
Tot Ion:244 Resp: 3462626

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

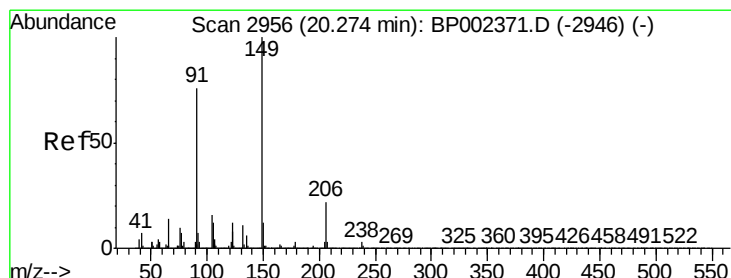
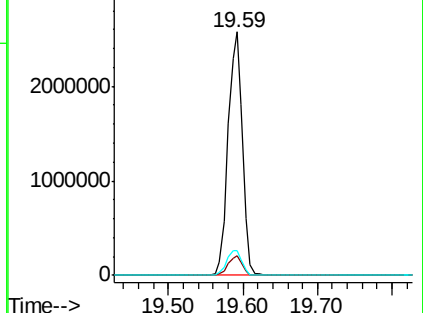
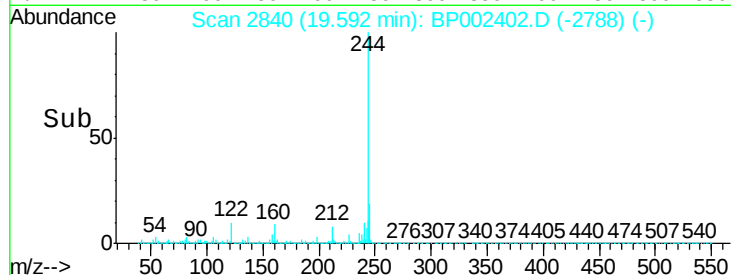
122 10.0 8.8 13.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 8.910 ng

RT: 20.27 min Scan# 2956

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

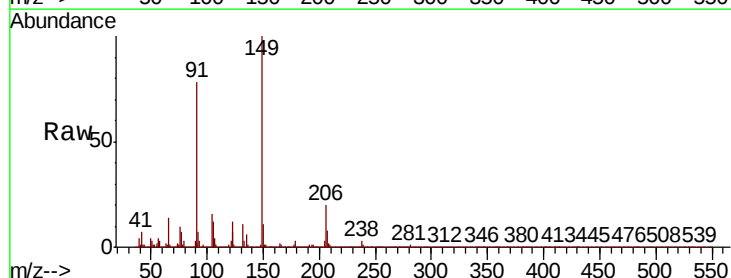
Tgt Ion:149 Resp: 184306

Ion Ratio Lower Upper

149 100

91 77.9 61.2 91.8

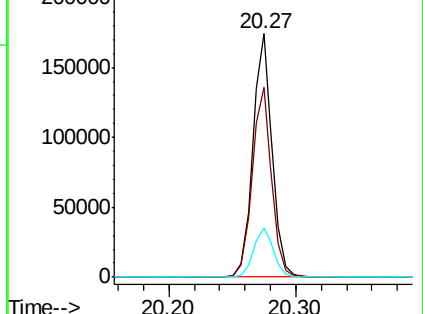
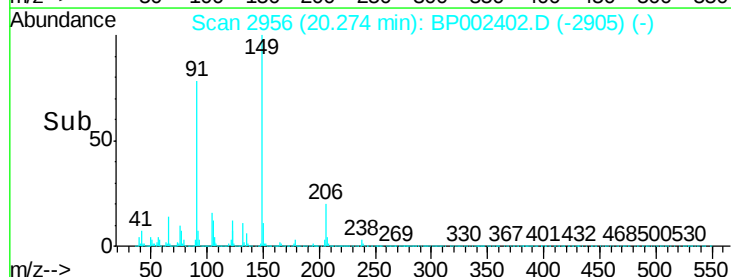
206 19.9 17.8 26.6

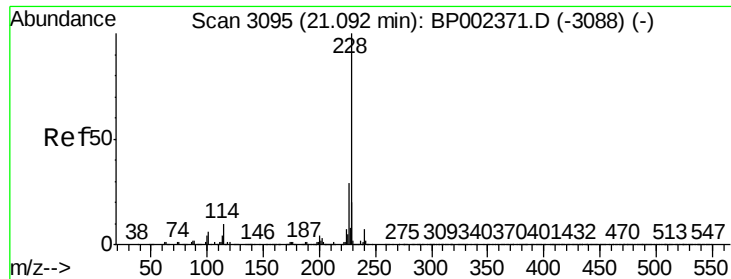


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

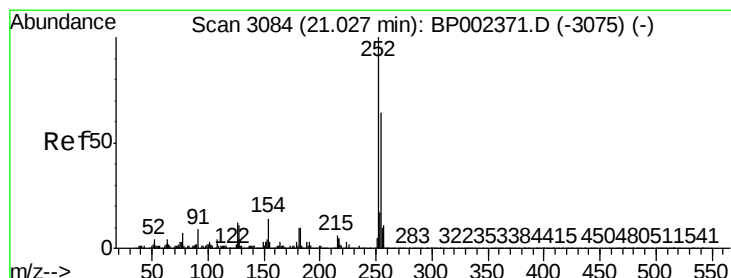
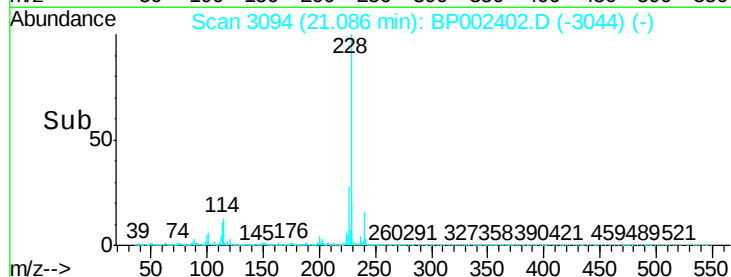
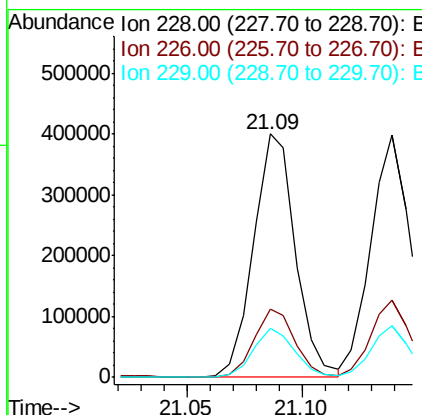
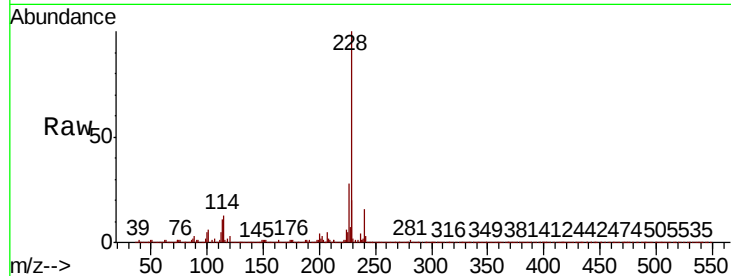




#81
Benzo(a)anthracene
Concen: 11.651 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

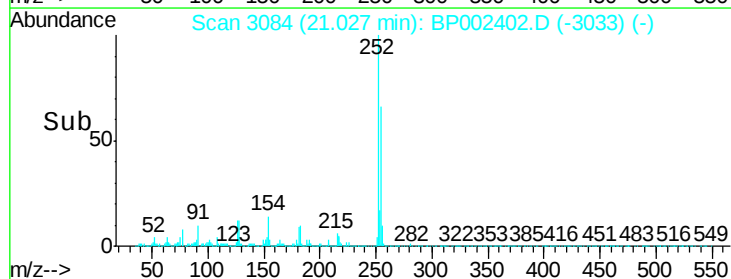
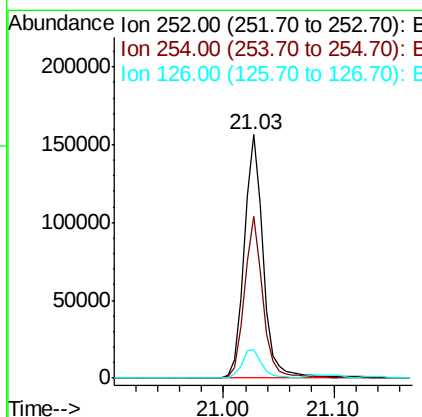
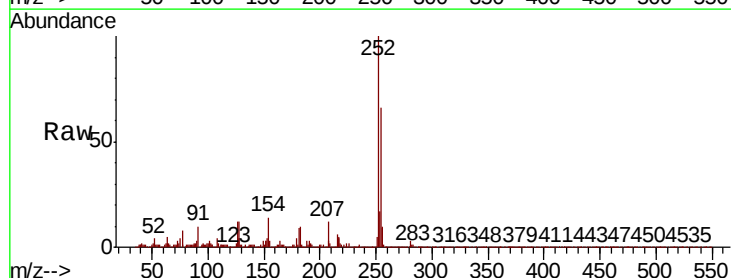
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2020

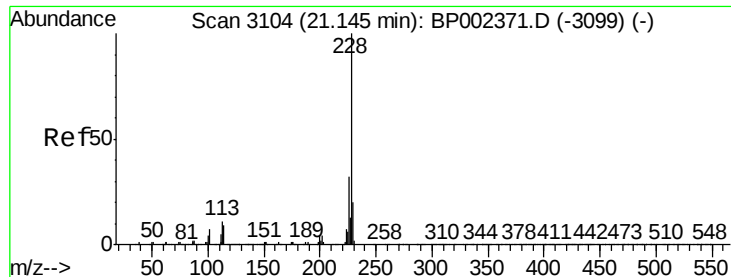
Tot Ion:228 Resp: 505241
Ion Ratio Lower Upper
228 100
226 28.0 22.8 34.2
229 20.1 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 11.689 ng
RT: 21.03 min Scan# 3084
Delta R.T. 0.00 min
Lab File: BP002402.D
Acq: 12 Jun 2020 17:37

Tgt Ion:252 Resp: 188367
Ion Ratio Lower Upper
252 100
254 66.4 51.4 77.2
126 11.9 9.2 13.8





#83

Chrysene

Concen: 11.780 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

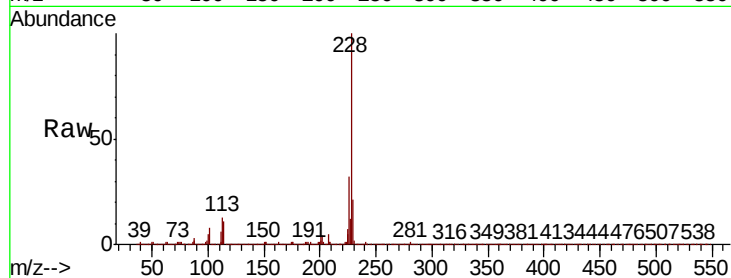
Tot Ion:228 Resp: 483970

Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

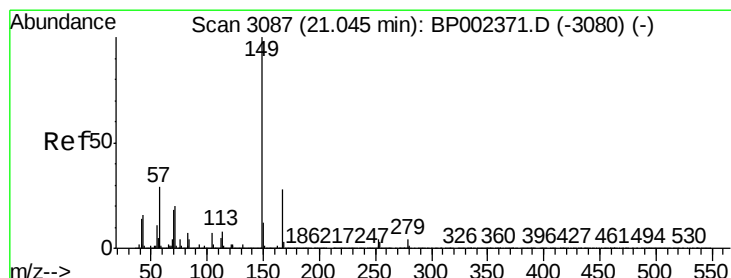
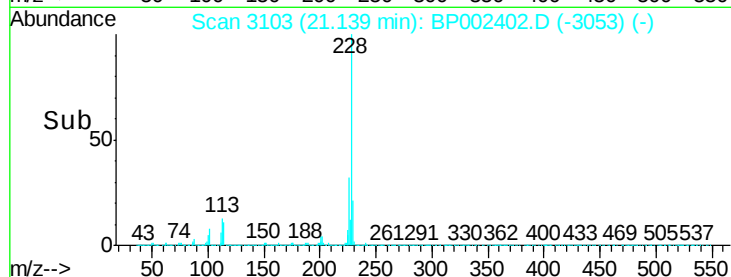
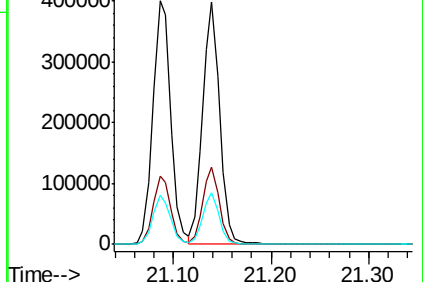
229 21.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.284 ng

RT: 21.04 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

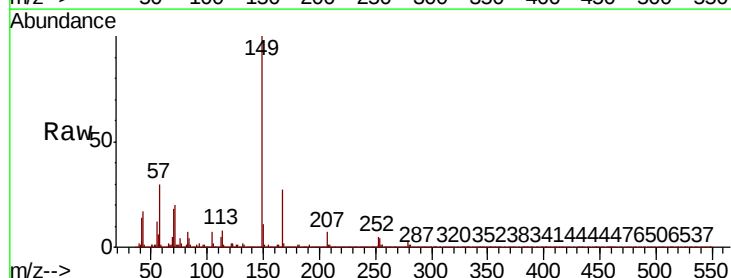
Tgt Ion:149 Resp: 309442

Ion Ratio Lower Upper

149 100

167 26.5 22.3 33.5

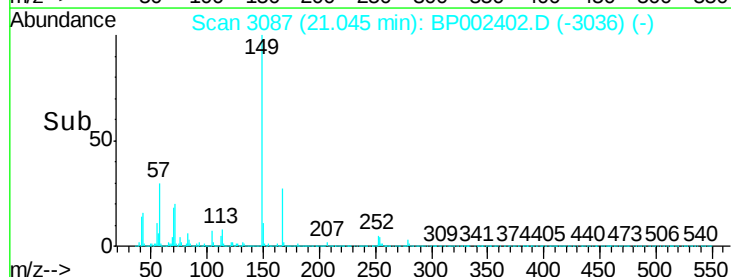
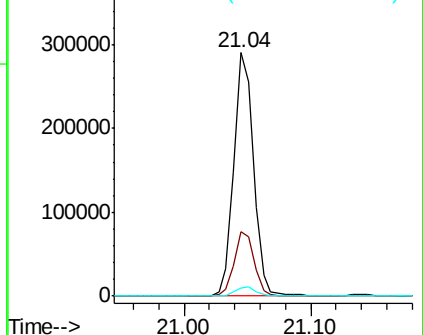
279 3.4 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 9.531 ng

RT: 21.91 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

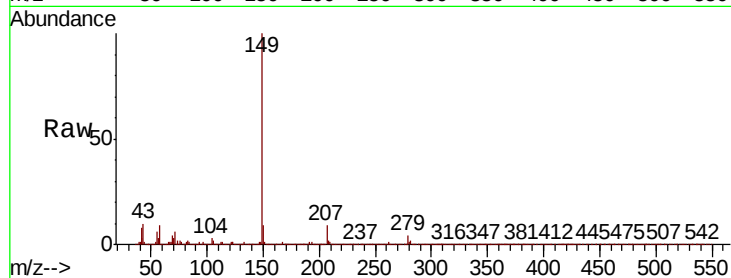
Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

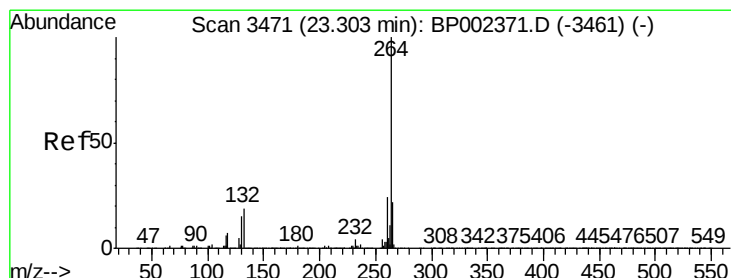
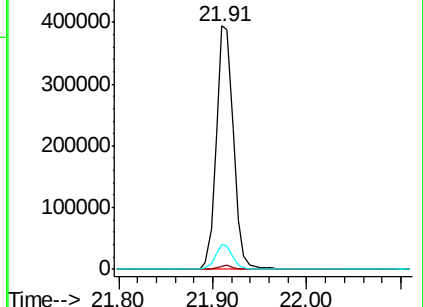
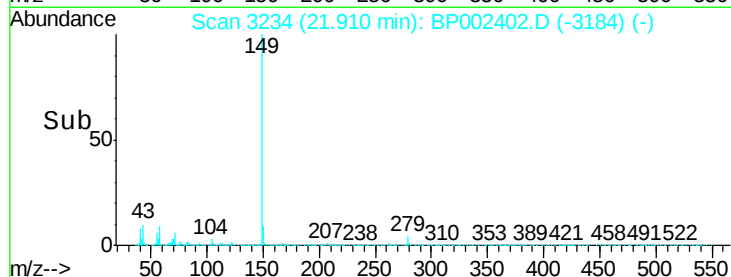
Tot Ion:	149	Resp:	502991
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	7.8	11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

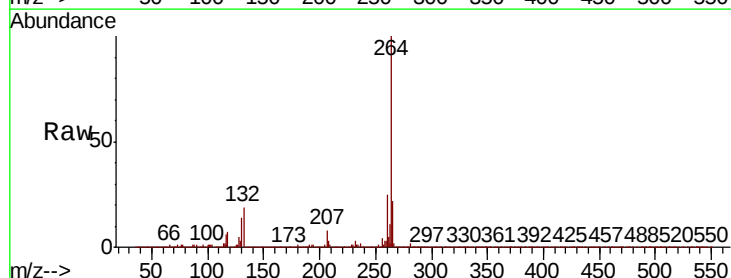
RT: 23.30 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

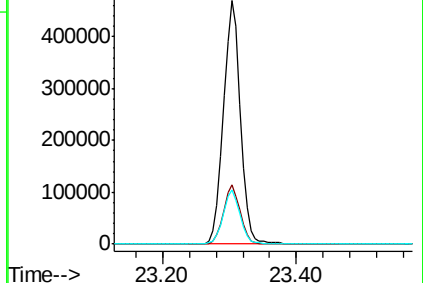
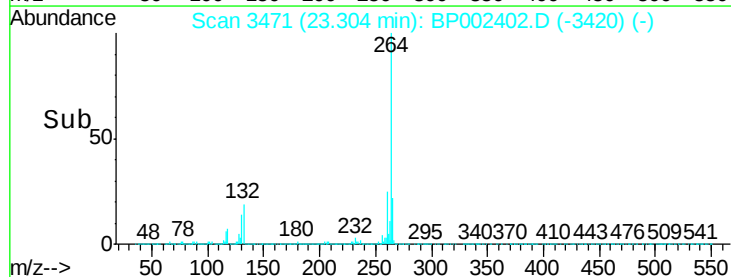
Tgt Ion:	264	Resp:	850892
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.2	17.4	26.2

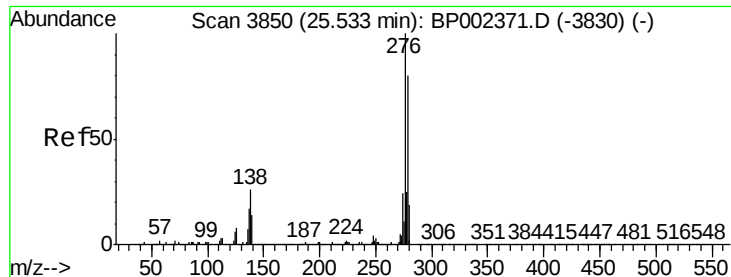


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.611 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

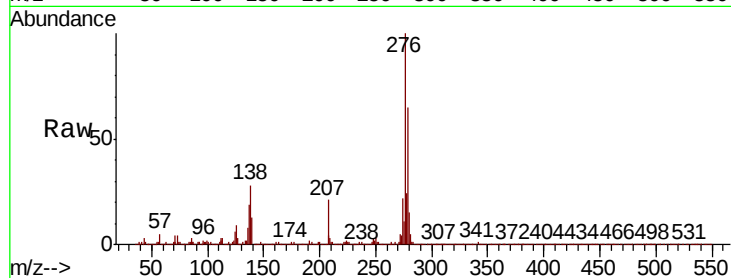
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:276 Resp: 564709

Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.2	31.8
277	25.0	20.3	30.5

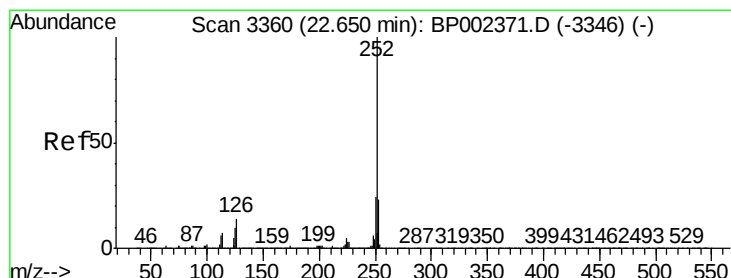
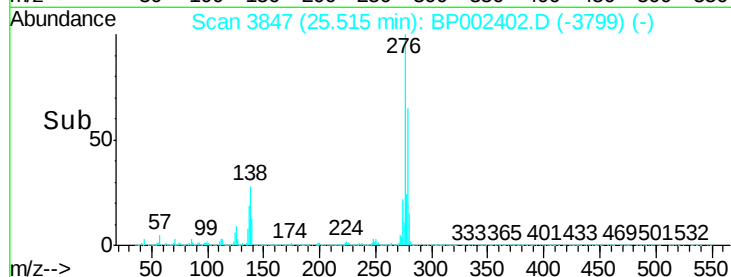
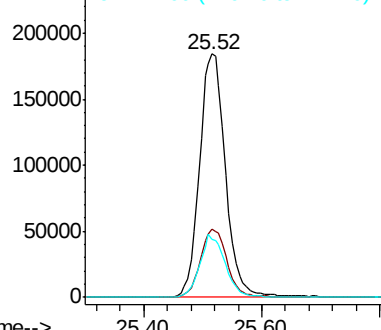


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 10.899 ng

RT: 22.64 min Scan# 3359

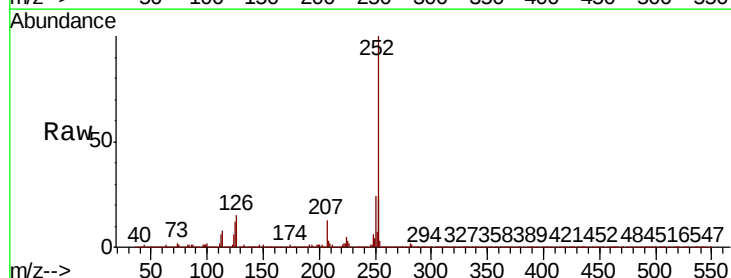
Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Tgt Ion:252 Resp: 500102

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	11.6	8.2	12.2

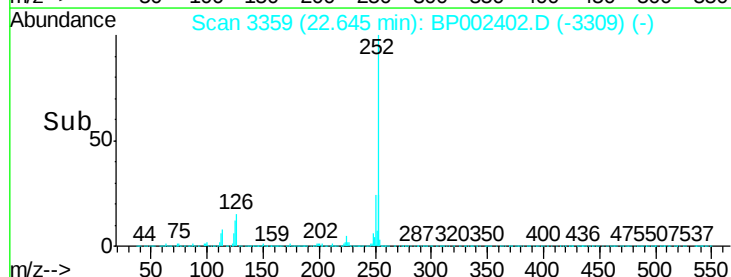
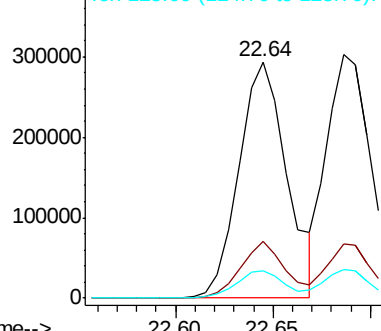


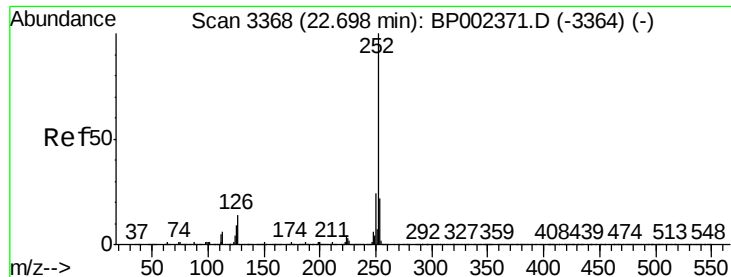
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.471 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

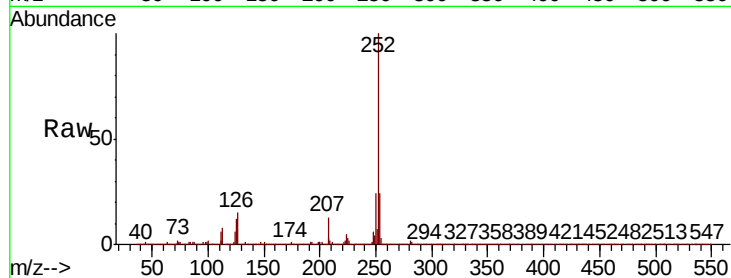
Tot Ion:252 Resp: 500102

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

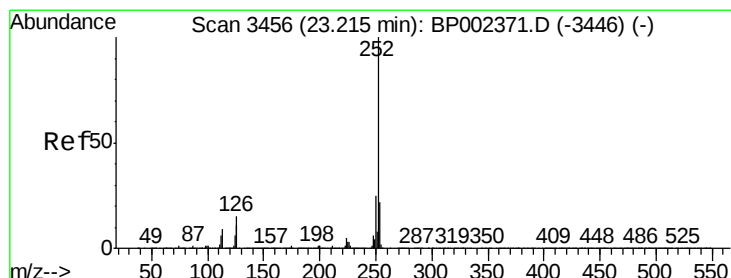
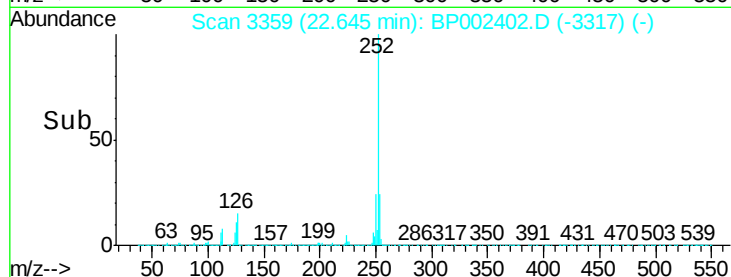
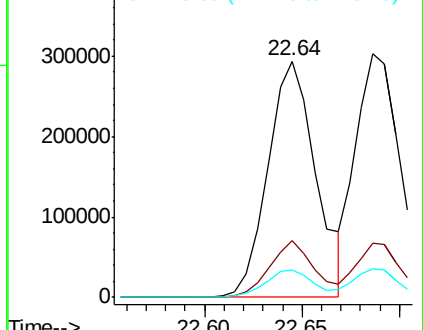
125 11.6 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 10.209 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

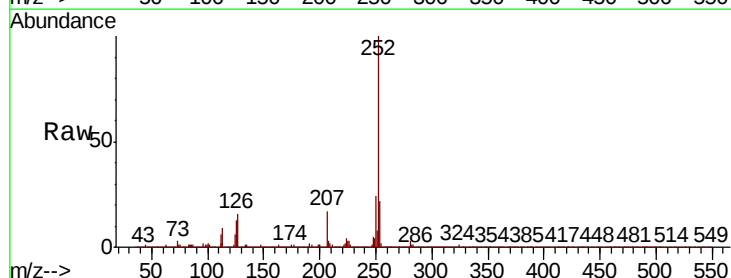
Tgt Ion:252 Resp: 439010

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

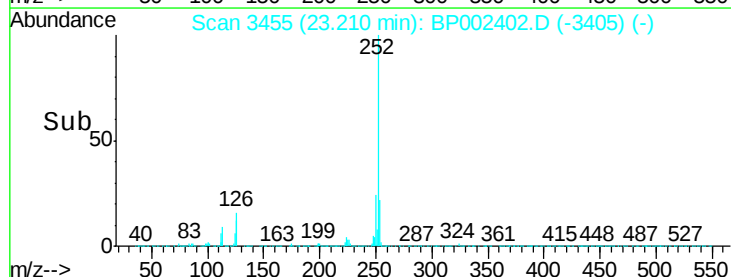
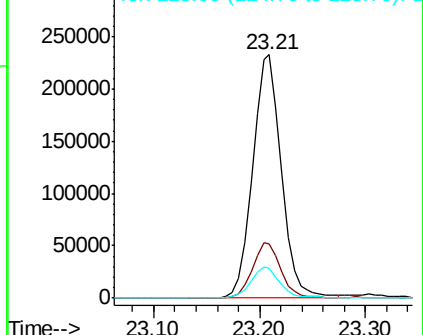
125 12.5 9.2 13.8

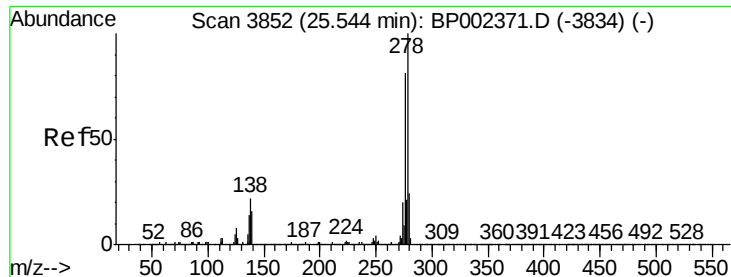


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 11.028 ng

RT: 25.53 min Scan# 3849

Delta R.T. -0.02 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2020

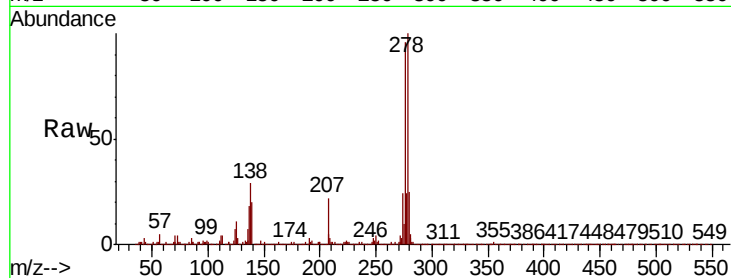
Tot Ion:278 Resp: 470814

Ion Ratio Lower Upper

278 100

139 19.9 13.1 19.7#

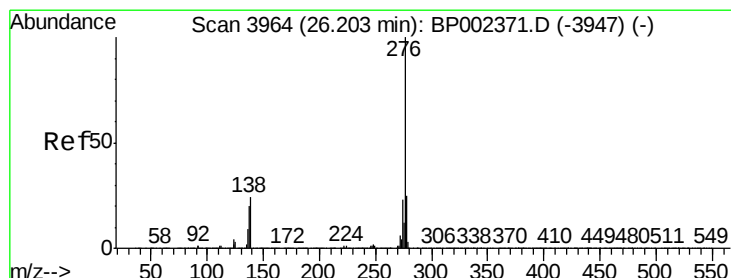
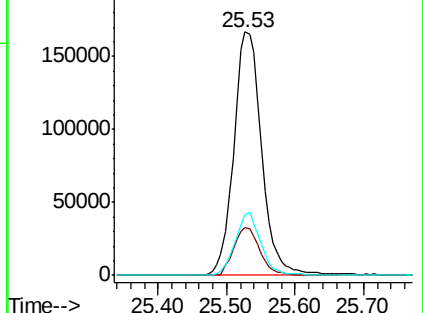
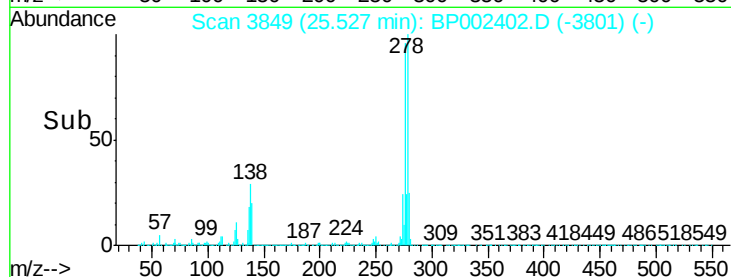
279 24.9 18.9 28.3



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: 10.797 ng

RT: 26.19 min Scan# 3961

Delta R.T. -0.02 min

Lab File: BP002402.D

Acq: 12 Jun 2020 17:37

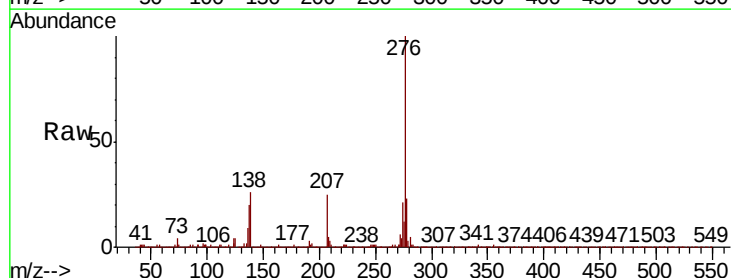
Tgt Ion:276 Resp: 477391

Ion Ratio Lower Upper

276 100

277 22.7 19.8 29.6

138 25.8 19.2 28.8



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

