

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041619\
 Data File : BM019930.D
 Acq On : 16 Apr 2019 12:58
 Operator : JU/SJ
 Sample : K1560-02
 Misc : LOQ 20PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Manual Integrations
 APPROVED

Sohil
 4/17/2019 4:05:15 PM

Quant Time: Apr 16 17:04:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM041519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 15 16:16:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	113678	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	516001	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	308659	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	697682	20.00	ng	0.00
76) Chrysene-d12	21.17	240	716688	20.00	ng	0.00
87) Perylene-d12	23.37	264	649160	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	954735	136.11	ng	0.00
7) Phenol-d6	6.72	99	1394531	132.10	ng	0.00
23) Nitrobenzene-d5	8.70	82	951295	82.45	ng	0.00
42) 2,4,6-Tribromophenol	15.71	330	726538	146.23	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	2062340	83.27	ng	0.00
79) Terphenyl-d14	19.61	244	3523168	86.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.12	88	61725	20.392	ng	100
3) Pyridine	3.53	79	165521	19.526	ng	96
4) n-Nitrosodimethylamine	3.45	42	54846	20.084	ng	97
6) Aniline	6.88	93	258503	18.959	ng	100
8) 2-Chlorophenol	7.10	128	169764	19.459	ng	98
9) Benzaldehyde	6.70	77	143685	20.402	ng	99
10) Phenol	6.75	94	225751	19.573	ng	96
11) bis(2-Chloroethyl)ether	6.98	93	158867	18.826	ng	97
12) 1,3-Dichlorobenzene	7.41	146	178313	19.469	ng	98
13) 1,4-Dichlorobenzene	7.56	146	184792	19.886	ng	99
14) 1,2-Dichlorobenzene	7.87	146	177575	19.273	ng	98
15) Benzyl Alcohol	7.79	79	185610	19.340	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.06	45	158114	19.655	ng	98
17) 2-Methylphenol	7.99	107	139932	18.331	ng	98
18) Hexachloroethane	8.57	117	70542	19.529	ng	99
19) n-Nitroso-di-n-propylamine	8.34	70	172440	18.583	ng	99
20) 3+4-Methylphenols	8.32	107	193818	18.483	ng	98
22) Acetophenone	8.37	105	277819	19.767	ng	# 99
24) Nitrobenzene	8.75	77	243546	20.376	ng	100
25) Isophorone	9.26	82	442070	19.682	ng	100
26) 2-Nitrophenol	9.45	139	95402	18.730	ng	97
27) 2,4-Dimethylphenol	9.51	122	131259	18.226	ng	98
28) bis(2-Chloroethoxy)methane	9.75	93	245830	19.546	ng	99
29) 2,4-Dichlorophenol	9.99	162	156822	19.173	ng	95
30) 1,2,4-Trichlorobenzene	10.17	180	175272	19.909	ng	100
31) Naphthalene	10.36	128	557258	20.134	ng	99
32) Benzoic acid	9.67	122	98305	18.032	ng	96
33) 4-Chloroaniline	10.51	127	218084	19.127	ng	99
34) Hexachlorobutadiene	10.61	225	104539	20.134	ng	95
35) Caprolactam	11.33	113	58430m	18.872	ng	
36) 4-Chloro-3-methylphenol	11.63	107	198648	19.546	ng	97
37) 2-Methylnaphthalene	11.98	142	398261	19.765	ng	98
38) 1-Methylnaphthalene	12.20	142	394643	19.836	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.36	216	191182	20.078	ng	99

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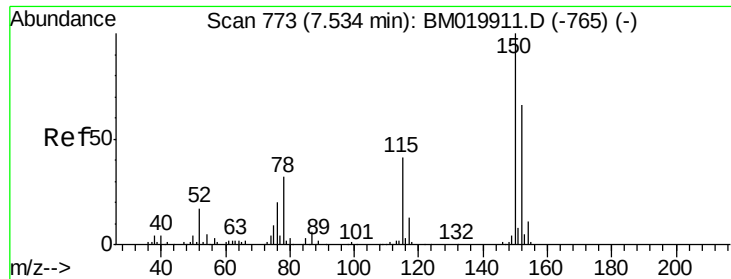
Manual Integrations
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Quant Time: Apr 16 17:04:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM041519.M
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 QLast Update : Mon Apr 15 16:16:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.31	237	29167	19.054	ng	97
43) 2,4,6-Trichlorophenol	12.62	196	127005	19.674	ng	98
44) 2,4,5-Trichlorophenol	12.70	196	126749	18.864	ng	96
46) 1,1'-Biphenyl	13.02	154	544171	20.355	ng	100
47) 2-Chloronaphthalene	13.06	162	413479	20.277	ng	99
48) 2-Nitroaniline	13.31	65	142006	19.320	ng	100
49) Acenaphthylene	13.92	152	716775	20.202	ng	99
50) Dimethylphthalate	13.67	163	563507	20.698	ng	100
51) 2,6-Dinitrotoluene	13.80	165	123254	20.473	ng	87
52) Acenaphthene	14.26	154	399093	20.287	ng	97
53) 3-Nitroaniline	14.15	138	117269	19.508	ng	95
54) 2,4-Dinitrophenol	14.39	184	47705	19.507	ng	91
55) Dibenzofuran	14.60	168	649127	20.178	ng	98
56) 4-Nitrophenol	14.49	139	68188	19.182	ng	93
57) 2,4-Dinitrotoluene	14.62	165	169168	19.548	ng	98
58) Fluorene	15.25	166	537171	19.706	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.84	232	123828	20.198	ng	98
60) Diethylphthalate	15.03	149	578802	20.441	ng	99
61) 4-Chlorophenyl-phenylether	15.25	204	261280	19.908	ng	98
62) 4-Nitroaniline	15.33	138	110653	18.682	ng	95
63) Azobenzene	15.54	77	632635	20.904	ng	99
65) 4,6-Dinitro-2-methylphenol	15.39	198	76838	17.261	ng	98
66) n-Nitrosodiphenylamine	15.47	169	458565	20.105	ng	99
67) 4-Bromophenyl-phenylether	16.14	248	156640	19.528	ng	100
68) Hexachlorobenzene	16.25	284	187120	19.442	ng	95
69) Atrazine	16.44	200	155038	20.023	ng	99
70) Pentachlorophenol	16.62	266	90630	18.429	ng	96
71) Phenanthrene	17.00	178	823769	19.897	ng	99
72) Anthracene	17.10	178	809419	19.640	ng	99
73) Carbazole	17.39	167	753099	19.572	ng	99
74) Di-n-butylphthalate	17.93	149	983393	19.460	ng	100
75) Fluoranthene	19.03	202	934635	19.616	ng	100
77) Benzidine	19.24	184	324800	16.425	ng	98
78) Pyrene	19.40	202	967648	20.388	ng	99
80) Butylbenzylphthalate	20.31	149	443946	19.294	ng	96
81) Benzo(a)anthracene	21.16	228	904143	19.915	ng	99
82) 3,3'-Dichlorobenzidine	21.10	252	338662	20.049	ng	100
83) Chrysene	21.22	228	877632	20.157	ng	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	646586	18.875	ng	99
85) Di-n-octyl phthalate	21.94	149	1044362	18.789	ng	99
86) Indeno(1,2,3-cd)pyrene	25.57	276	901655	21.052	ng	99
88) Benzo(b)fluoranthene	22.71	252	850835	19.739	ng	99
89) Benzo(k)fluoranthene	22.76	252	820391	20.216	ng	99
90) Benzo(a)pyrene	23.27	252	767047	20.083	ng	98
91) Dibenzo(a,h)anthracene	25.58	278	745640	20.249	ng	99
92) Benzo(g,h,i)perylene	26.26	276	698754	20.951	ng	100

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



#1

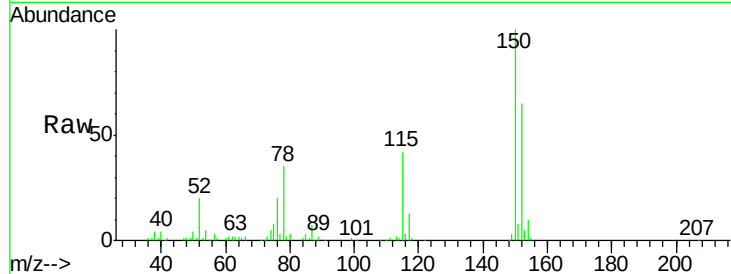
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 772
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
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LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.1	183.1
115	64.5	50.0	75.0

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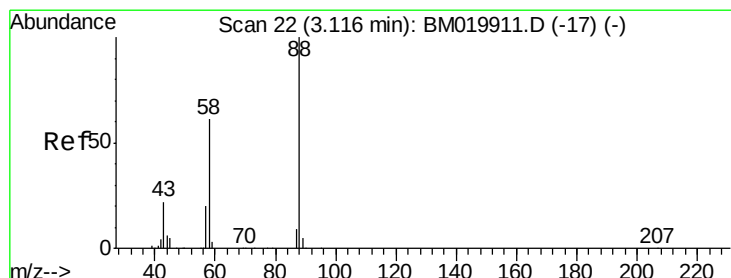
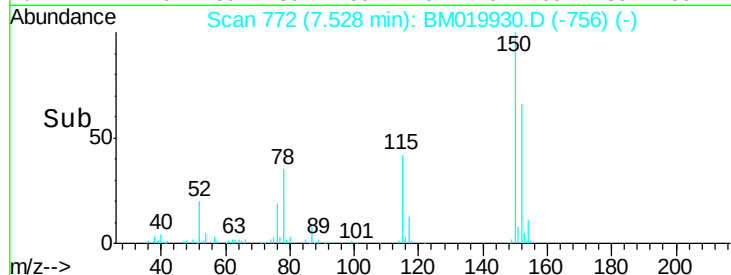
Abundance

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

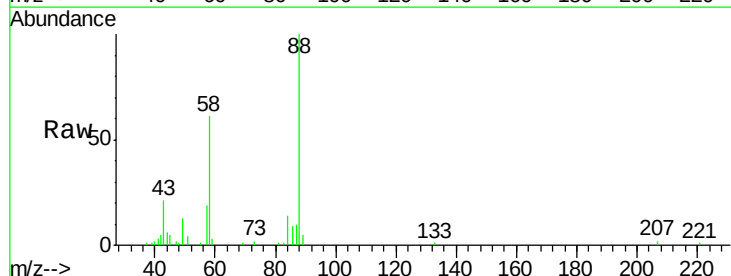
Time-->



#2

1,4-Dioxane
Concen: 20.392 ng
RT: 3.12 min Scan# 22
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.2	49.6	74.4
43	23.1	18.6	27.8



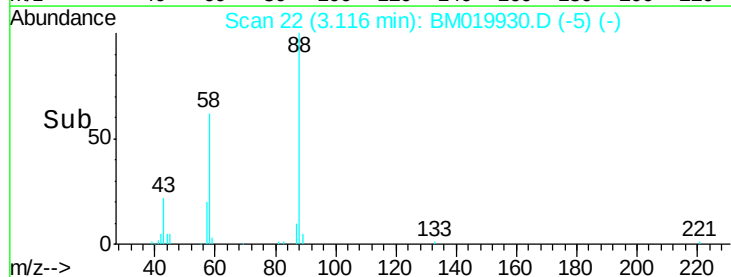
Abundance

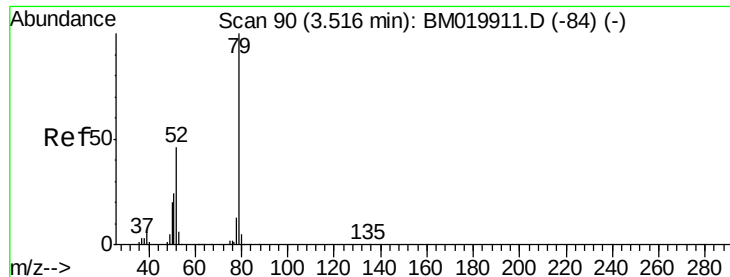
Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

Time-->





#3

Pyridine

Concen: 19.526 ng

RT: 3.53 min Scan# 93

Delta R.T. 0.02 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

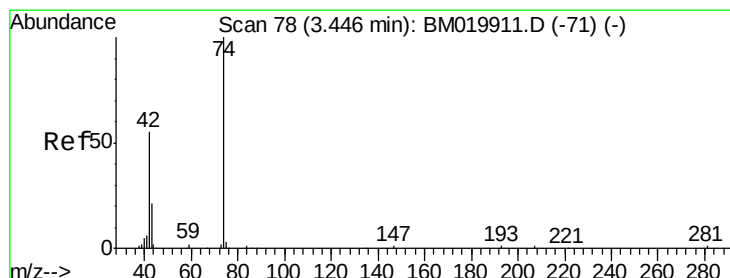
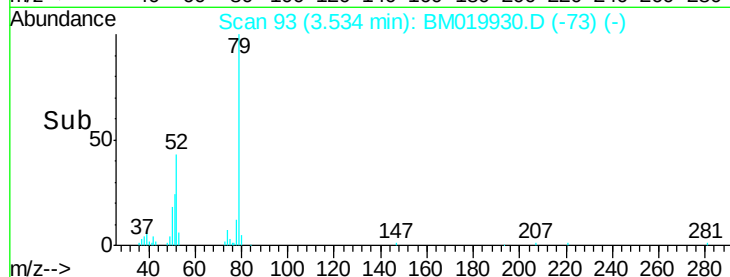
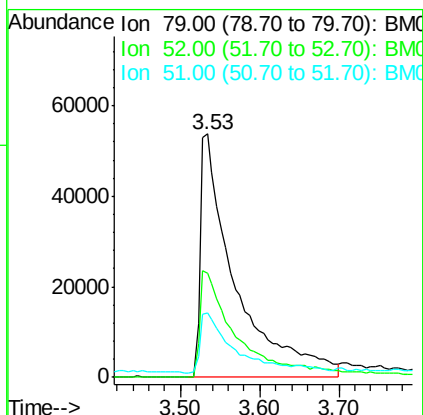
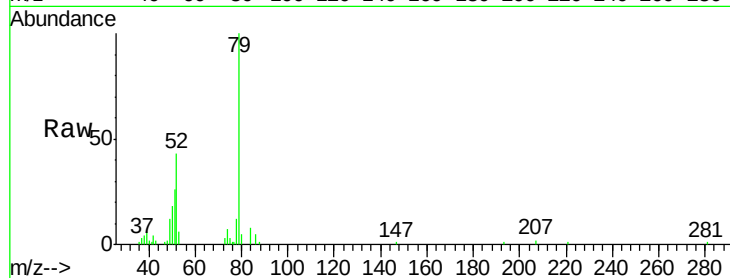
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	79	Resp:	165521
Ion	Ratio	Lower	Upper
79	100		
52	43.0	36.9	55.3
51	26.4	20.0	30.0

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#4

n-Nitrosodimethylamine

Concen: 20.084 ng

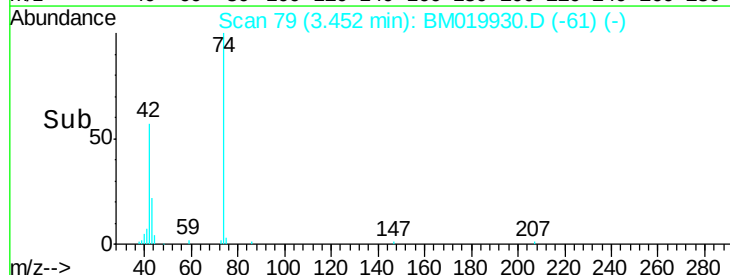
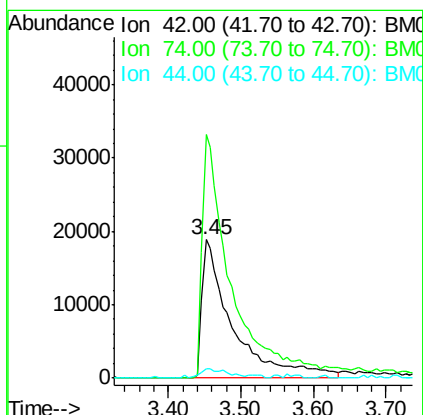
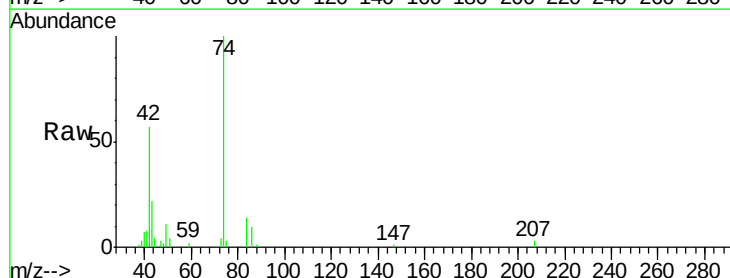
RT: 3.45 min Scan# 79

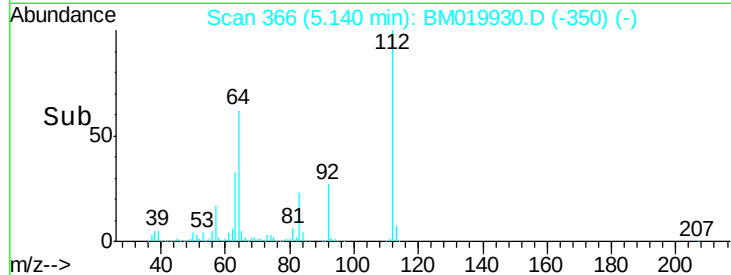
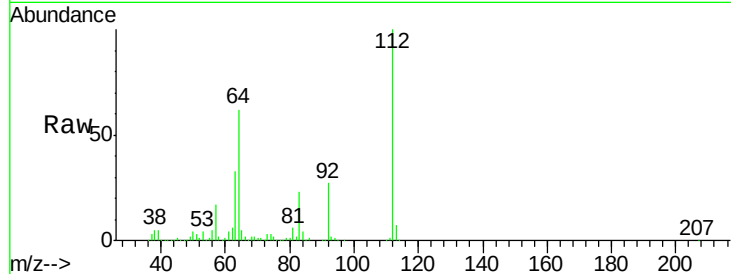
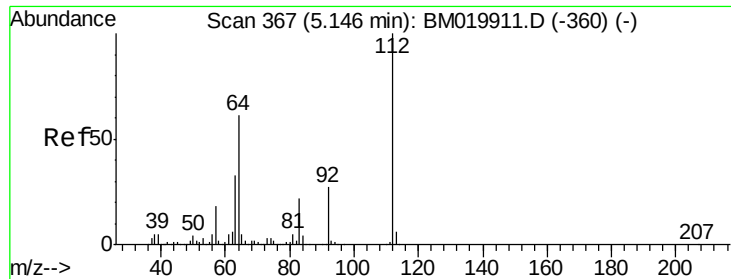
Delta R.T. 0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	42	Resp:	54846
Ion	Ratio	Lower	Upper
42	100		
74	176.0	144.6	217.0
44	6.5	5.4	8.2





#5

2-Fluorophenol

Concen: 136.112 ng

RT: 5.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	112	Resp:	954735
Ion Ratio	Lower	Upper	
112	100		
64	62.2	49.1	73.7
63	33.3	26.5	39.7

Instrument :

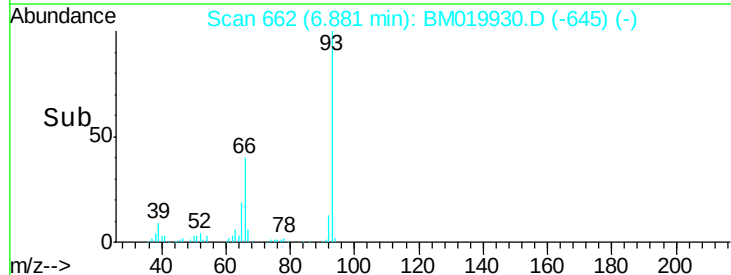
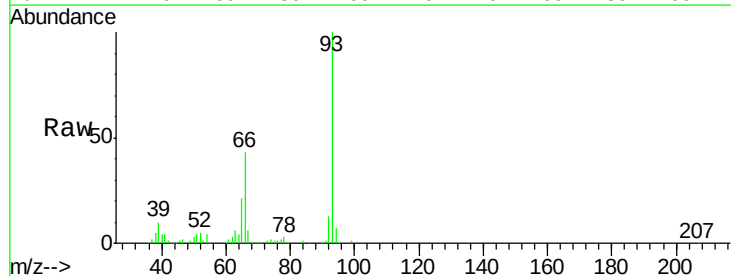
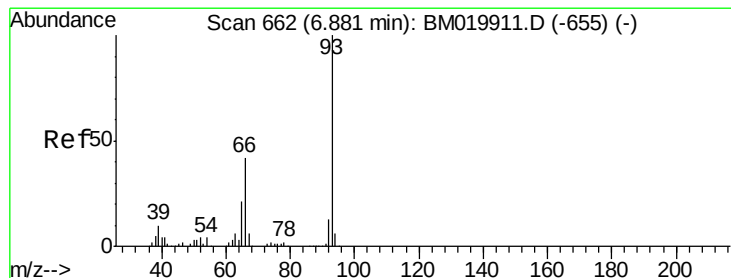
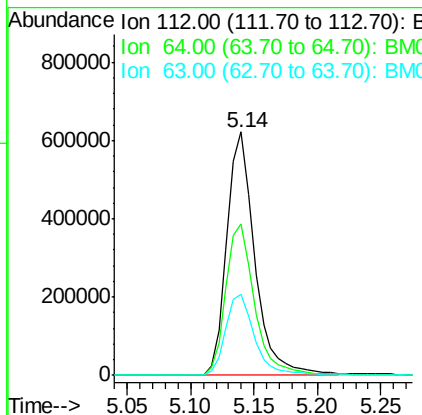
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2019

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#6

Aniline

Concen: 18.959 ng

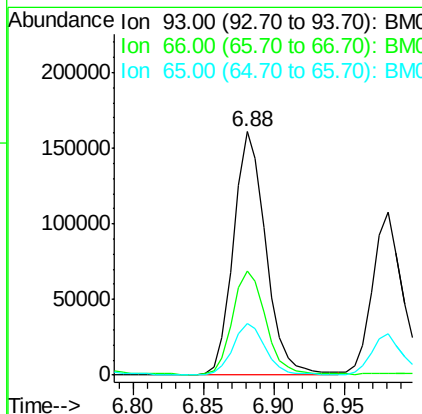
RT: 6.88 min Scan# 662

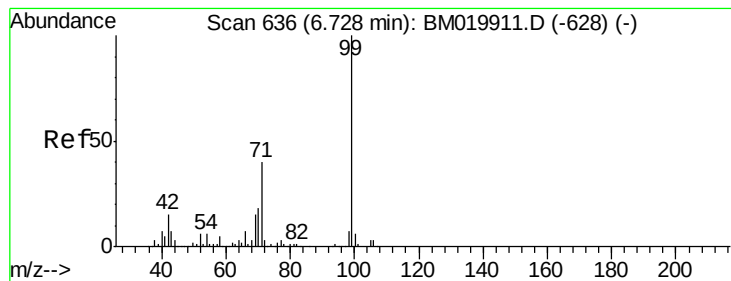
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	93	Resp:	258503
Ion Ratio	Lower	Upper	
93	100		
66	42.7	33.9	50.9
65	21.2	17.0	25.6





#7

Phenol-d6

Concen: 132.102 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.01 min

Lab File: BM019930.D

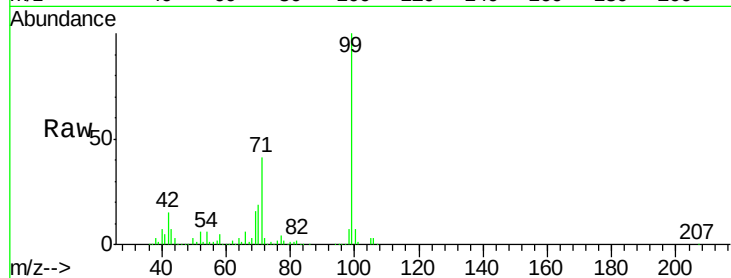
Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

ClientSampleId :

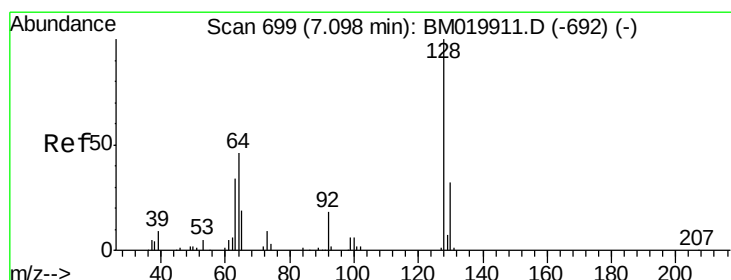
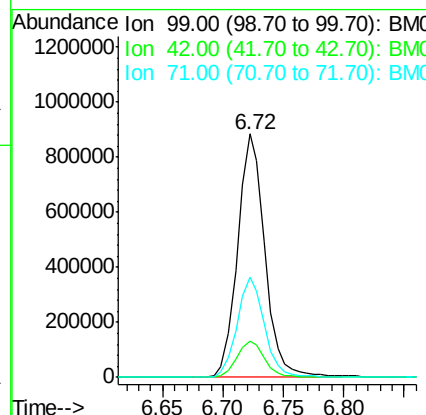
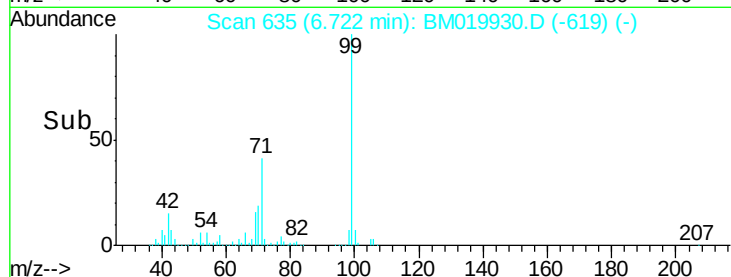
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.8	17.8
71	41.0	32.0	48.0

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#8

2-Chlorophenol

Concen: 19.459 ng

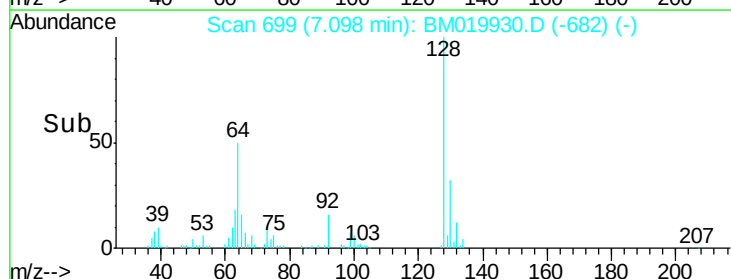
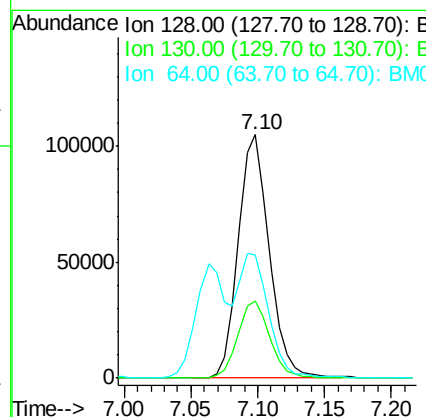
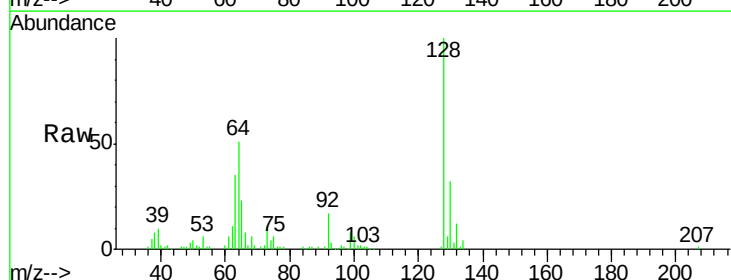
RT: 7.10 min Scan# 699

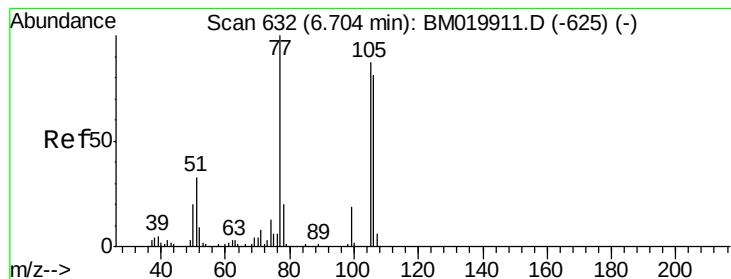
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.0	52.0
64	50.6	33.0	73.0





#9

Benzaldehyde

Concen: 20.402 ng

RT: 6.70 min Scan# 632

Delta R.T. 0.00 min

Lab File: BM019930.D

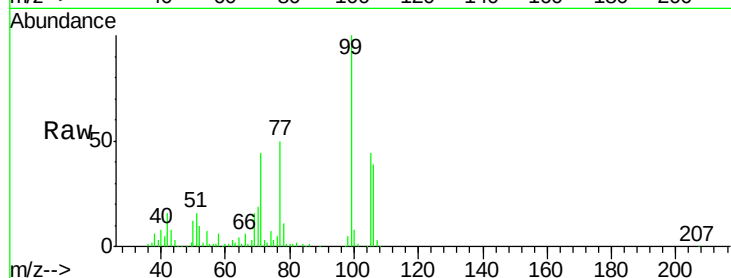
Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

ClientSampleId :

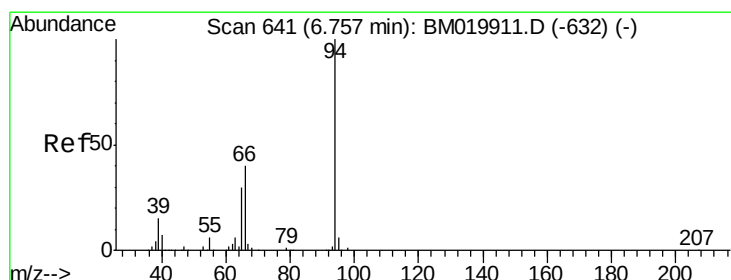
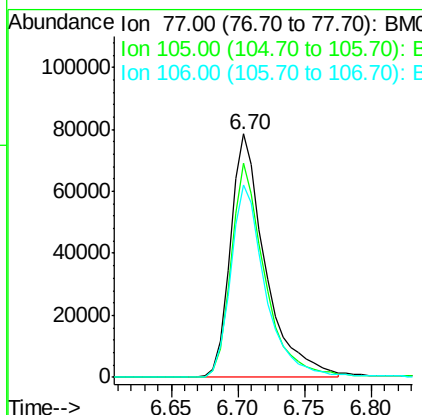
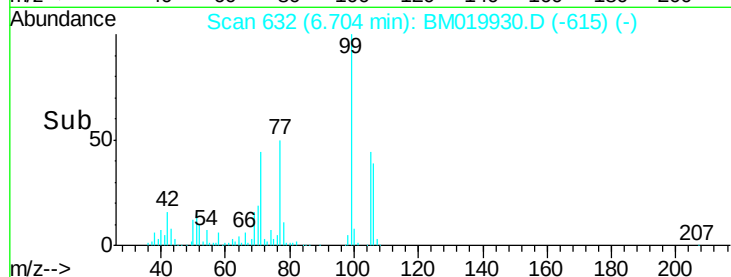
LOQ-SOIL-02-QT1-2019



Tgt Ion:	77	Resp:	143685
Ion Ratio	Lower	Upper	
77	100		
105	87.8	67.3	107.3
106	78.9	60.6	100.6

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#10

Phenol

Concen: 19.573 ng

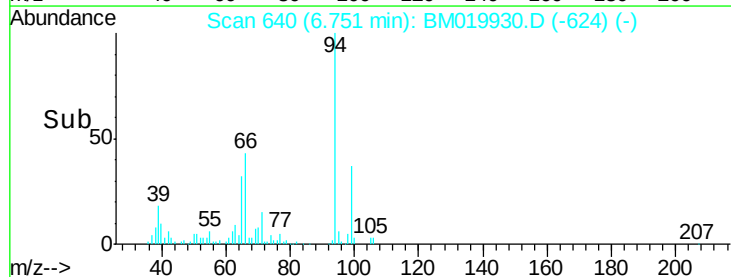
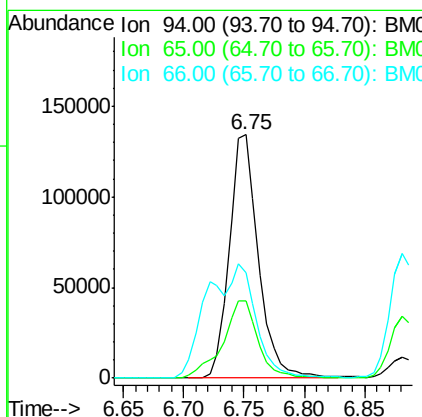
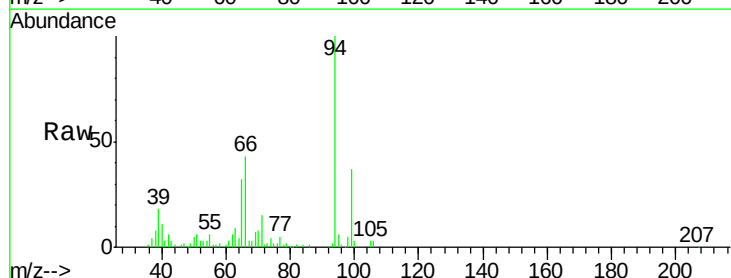
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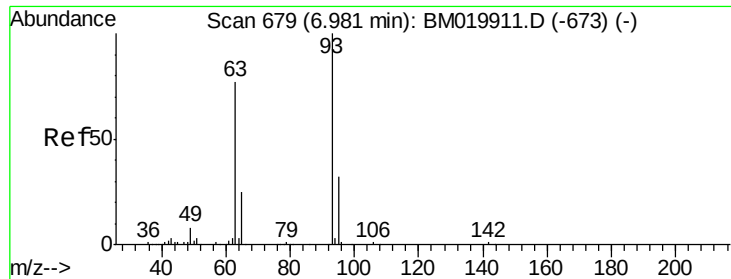
Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	94	Resp:	225751
Ion Ratio	Lower	Upper	
94	100		
65	31.9	10.0	50.0
66	43.1	20.2	60.2





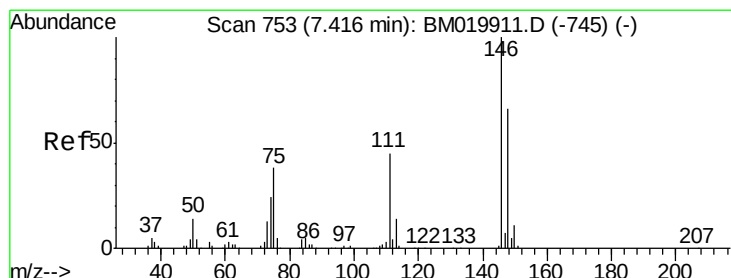
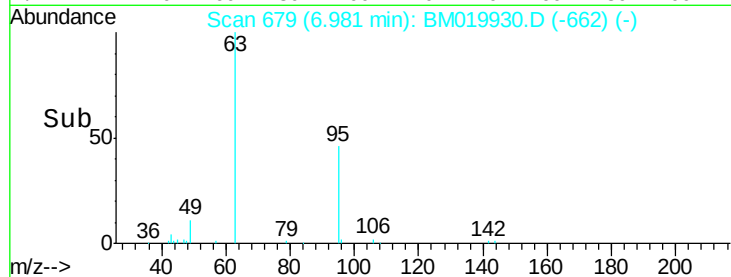
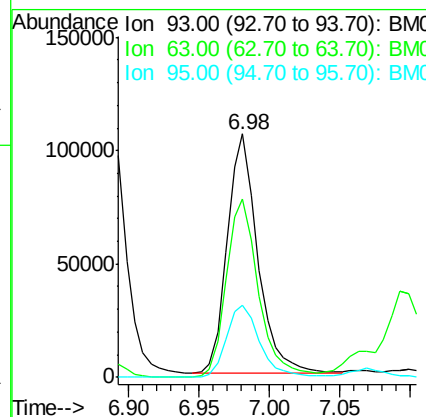
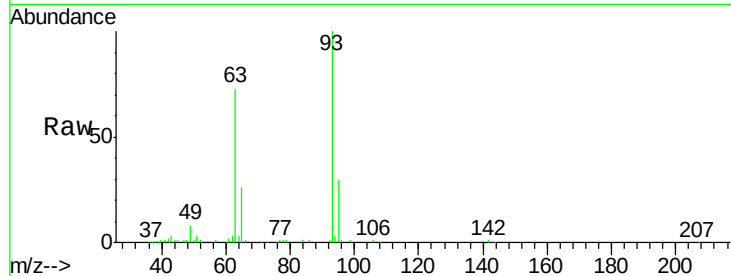
#11
bis(2-Chloroethyl)ether
Concen: 18.826 ng
RT: 6.98 min Scan# 679
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	158867		
63	73.2	55.8	95.8	
95	29.7	11.6	51.6	

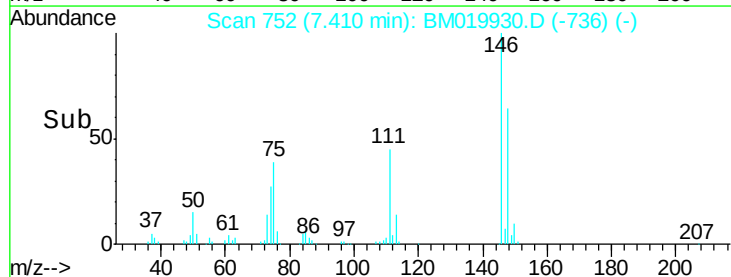
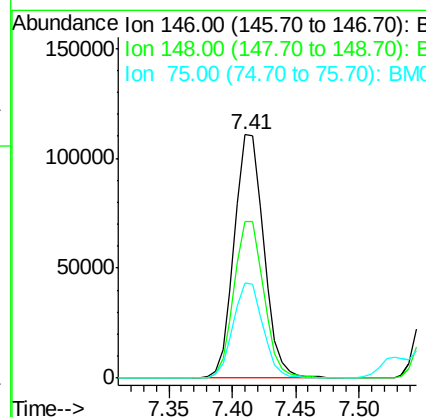
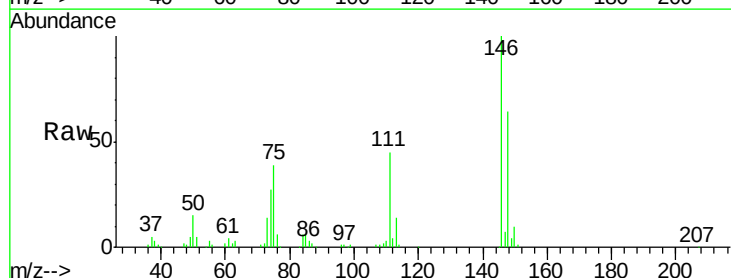
Manual Integrations
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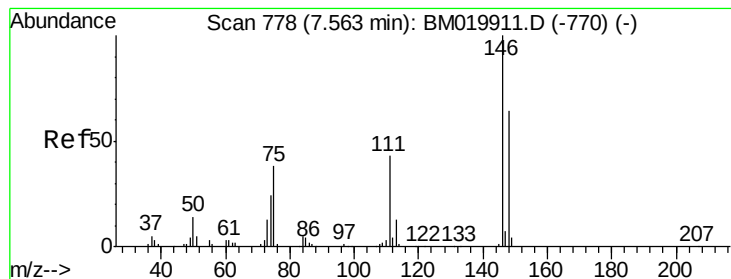
Sohil
4/17/2019 4:05:15 PM



#12
1,3-Dichlorobenzene
Concen: 19.469 ng
RT: 7.41 min Scan# 752
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178313		
148	64.4	52.6	78.8	
75	38.9	30.0	45.0	





#13

1,4-Dichlorobenzene

Concen: 19.886 ng

RT: 7.56 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

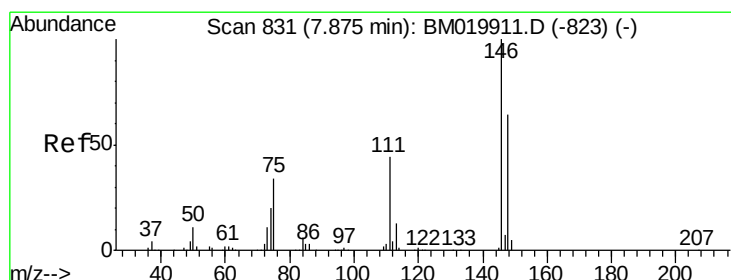
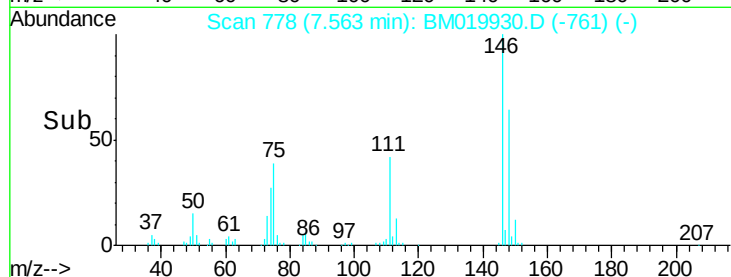
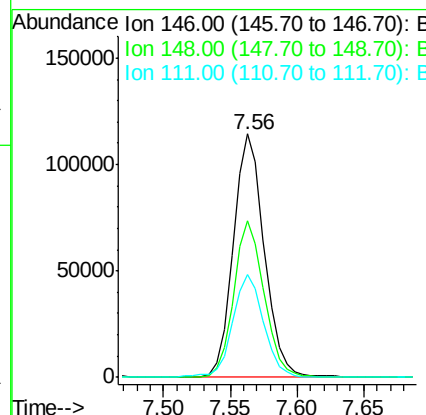
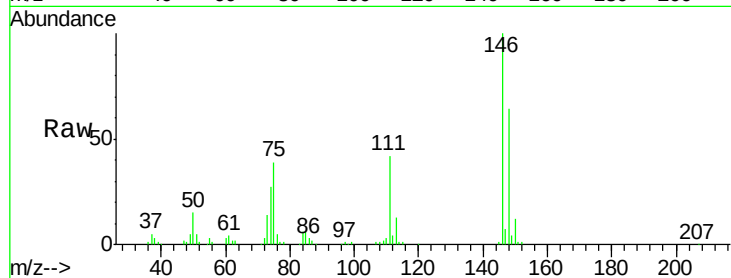
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	146	Resp:	184792
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.1	76.7
111	42.0	34.6	51.8

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#14

1,2-Dichlorobenzene

Concen: 19.273 ng

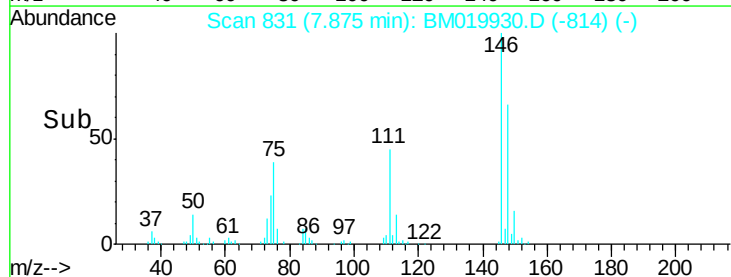
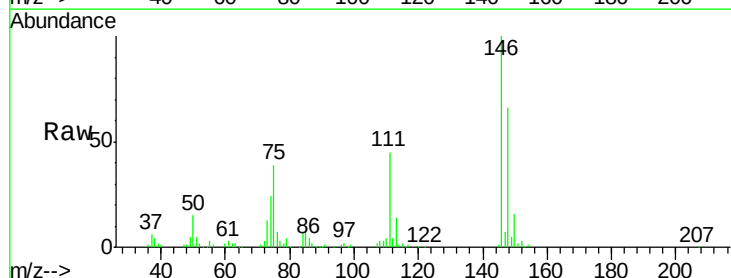
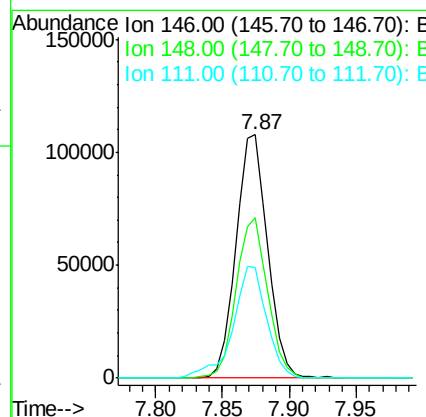
RT: 7.87 min Scan# 831

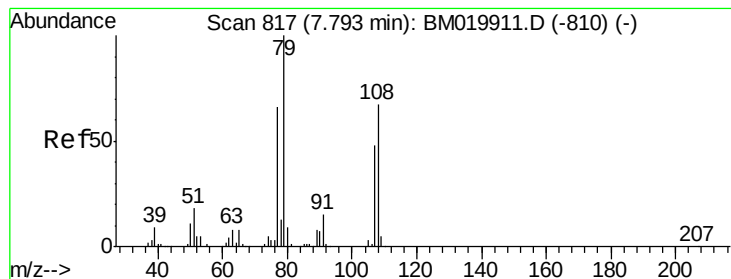
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	146	Resp:	177575
Ion Ratio	Lower	Upper	
146	100		
148	65.6	51.4	77.2
111	45.5	35.4	53.0





#15

Benzyl Alcohol

Concen: 19.340 ng

RT: 7.79 min Scan# 817

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

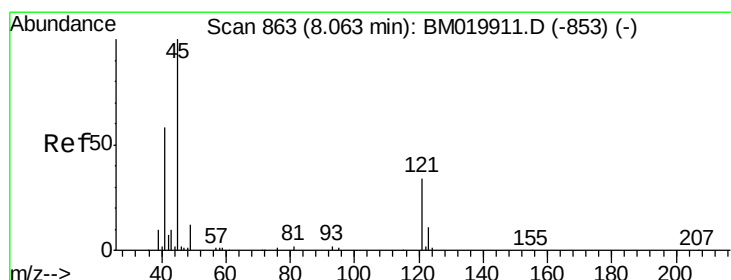
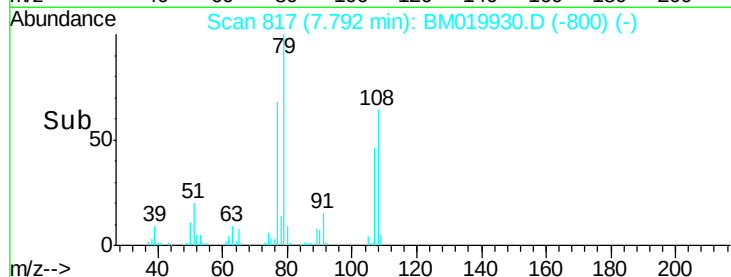
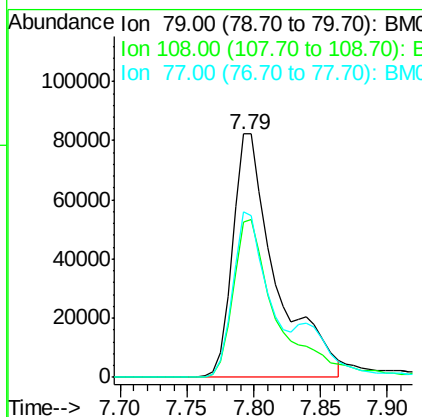
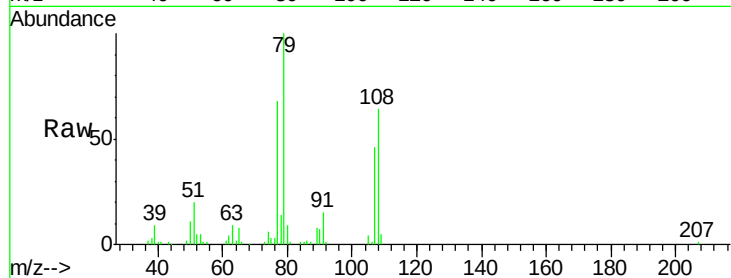
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	79	Resp:	185610
Ion Ratio	Lower	Upper	
79	100		
108	63.8	53.9	80.9
77	67.9	53.1	79.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 19.655 ng

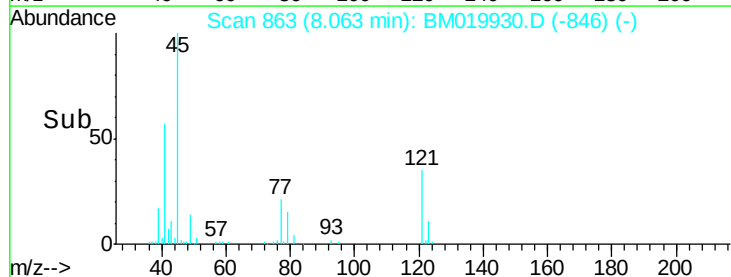
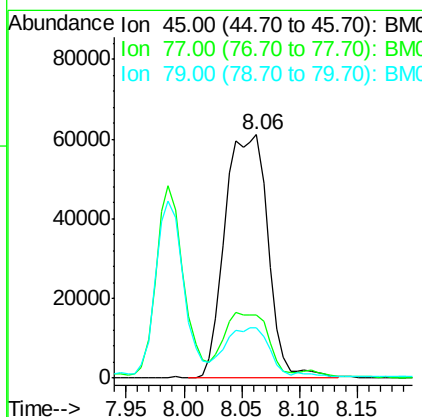
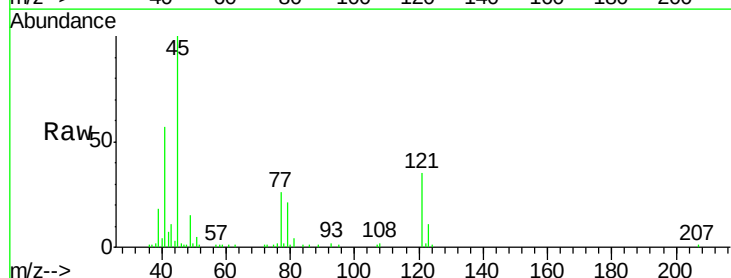
RT: 8.06 min Scan# 863

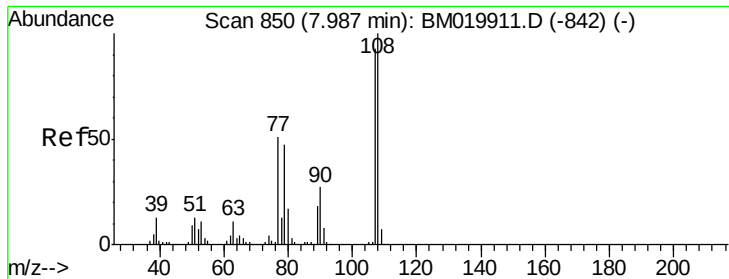
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	45	Resp:	158114
Ion Ratio	Lower	Upper	
45	100		
77	25.8	7.2	47.2
79	20.5	1.2	41.2





#17

2-Methylphenol

Concen: 18.331 ng

RT: 7.99 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM019930.D

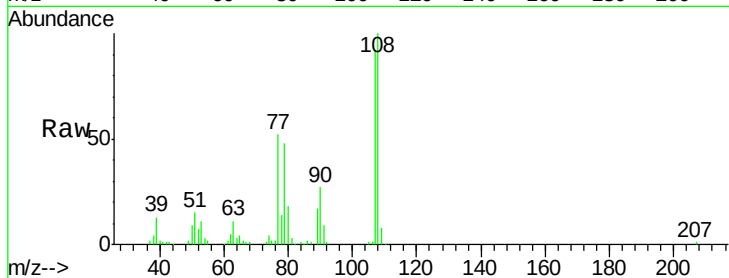
Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2019



Tgt Ion:107 Resp: 139932

Ion Ratio Lower Upper

107 100

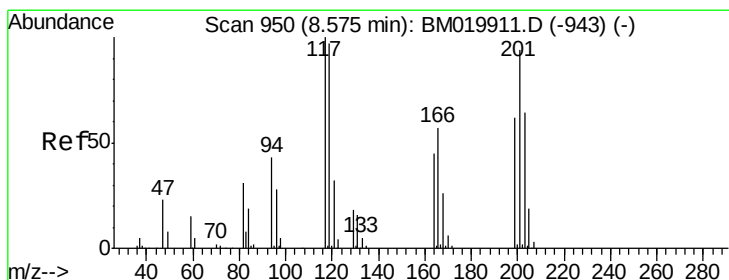
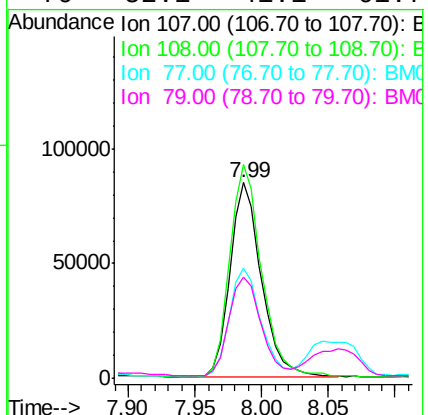
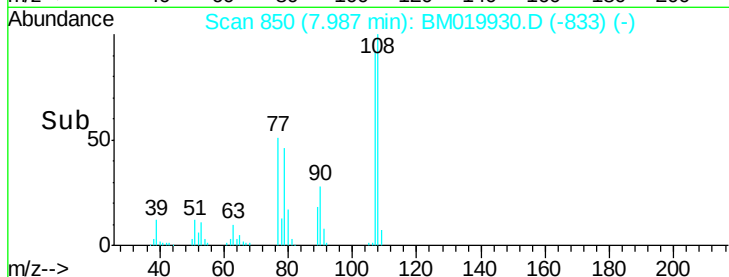
108 109.3 85.9 128.9

77 56.5 43.8 65.6

79 52.1 41.1 61.7

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#18

Hexachloroethane

Concen: 19.529 ng

RT: 8.57 min Scan# 950

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

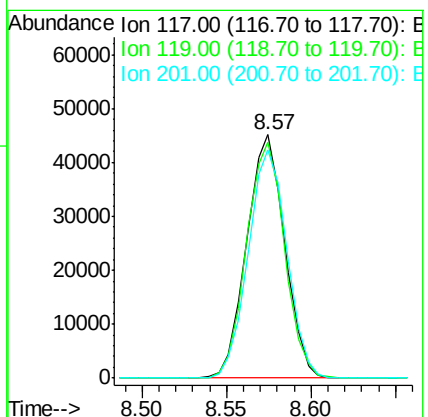
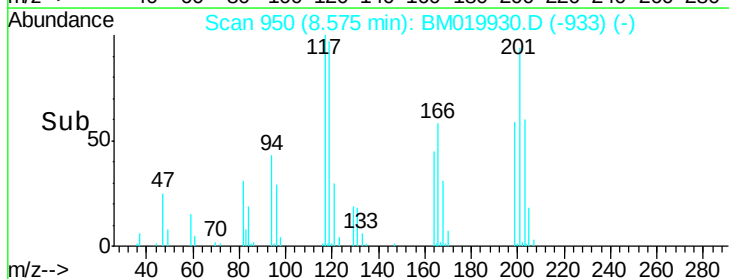
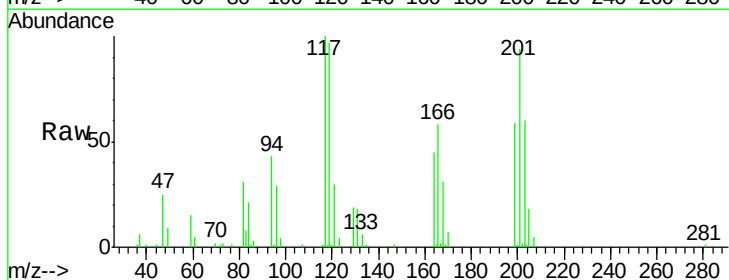
Tgt Ion:117 Resp: 70542

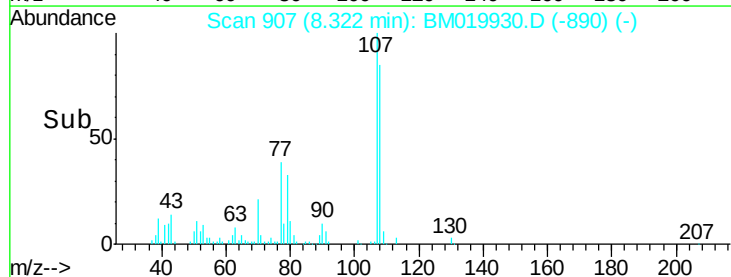
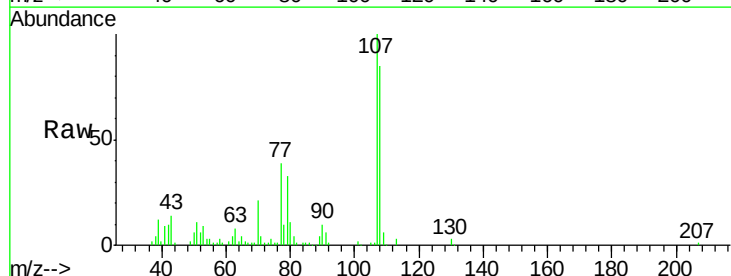
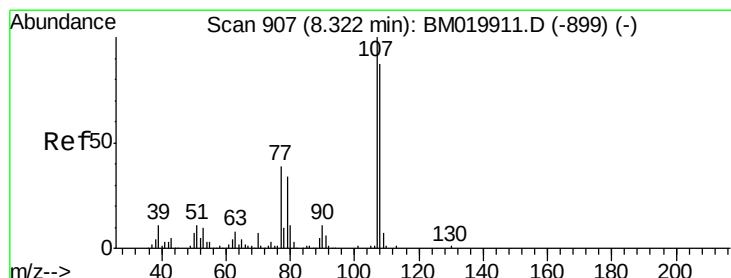
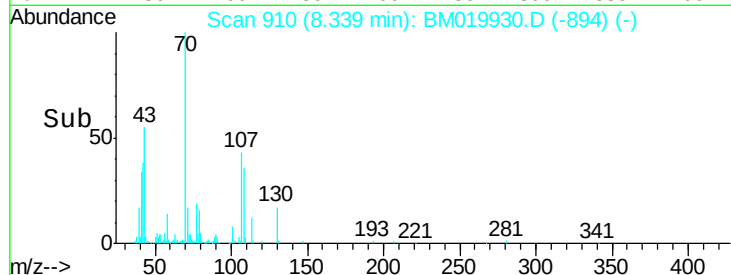
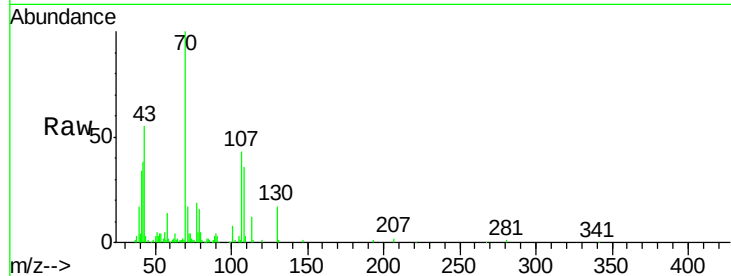
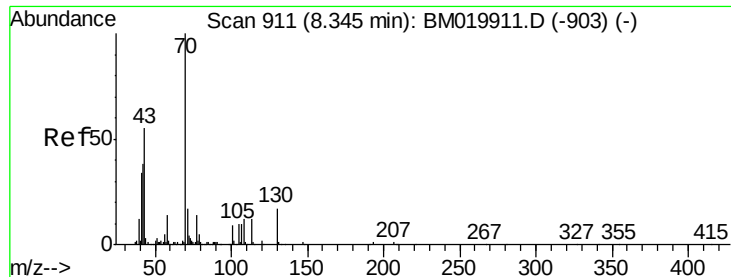
Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4

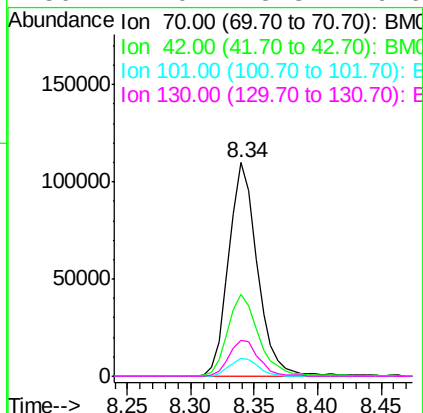
201 96.0 75.4 113.2





#19
n-Nitroso-di-n-propylamine
Concen: 18.583 ng
RT: 8.34 min Scan# 910
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
70	100		172440		
42	38.4	30.3	45.5		
101	8.5	6.9	10.3		
130	17.0	13.8	20.6		



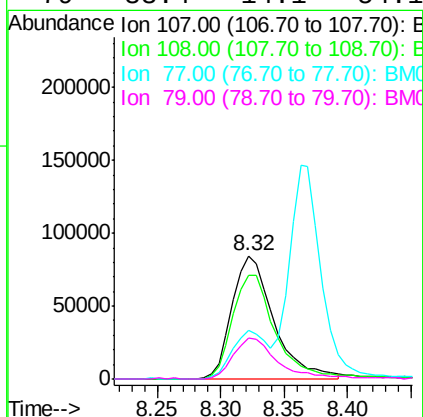
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

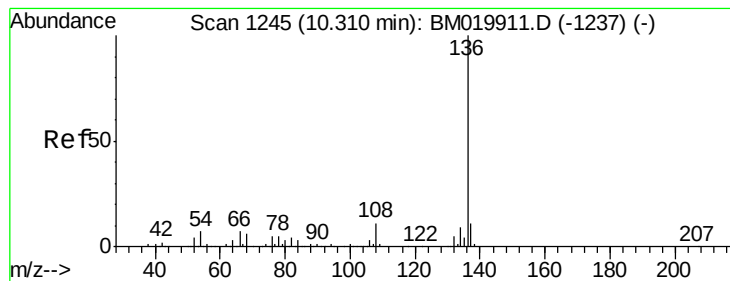
Manual Integrations
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#20
3+4-Methylphenols
Concen: 18.483 ng
RT: 8.32 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		193818		
108	84.5	67.4	107.4		
77	39.3	19.7	59.7		
79	33.4	14.1	54.1		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BM019930.D

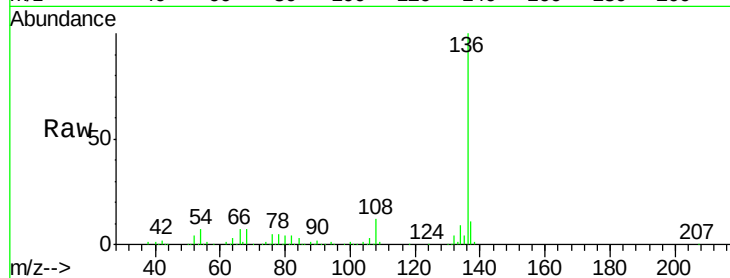
Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2019



Tgt Ion:136 Resp: 516001

Ion Ratio Lower Upper

136 100

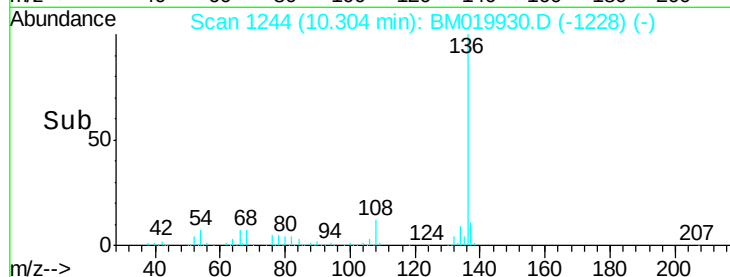
137 10.8 9.0 13.6

54 6.7 5.3 7.9

68 6.8 5.2 7.8

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Abundance Ion 136.00 (135.70 to 136.70): E

500000 Ion 137.00 (136.70 to 137.70): E

400000 Ion 54.00 (53.70 to 54.70): BM

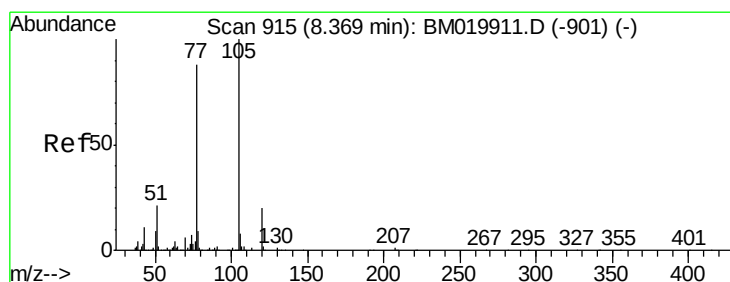
300000 Ion 68.00 (67.70 to 68.70): BM

200000

100000

0

Time--> 10.20 10.30 10.40



#22

Acetophenone

Concen: 19.767 ng

RT: 8.37 min Scan# 915

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:105 Resp: 277819

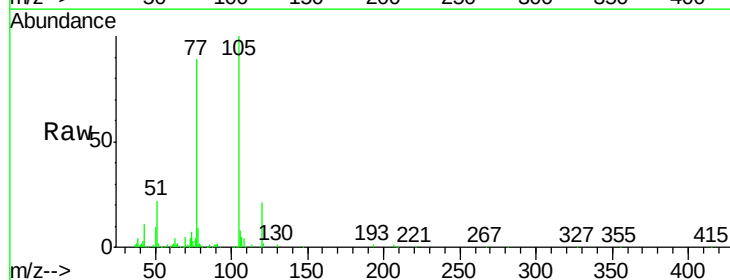
Ion Ratio Lower Upper

105 100

71 0.7 0.8 1.2#

51 21.9 16.9 25.3

120 20.5 16.4 24.6



Abundance Ion 105.00 (104.70 to 105.70): E

250000 Ion 71.00 (70.70 to 71.70): BM

200000 Ion 51.00 (50.70 to 51.70): BM

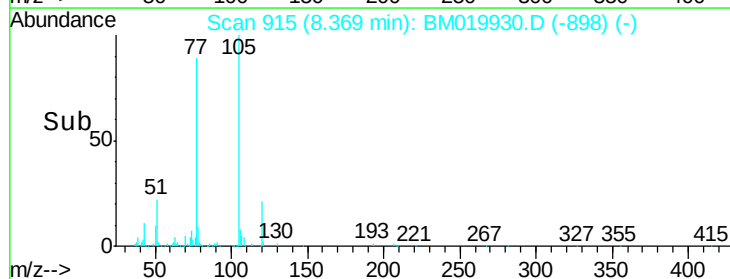
150000 Ion 120.00 (119.70 to 120.70): E

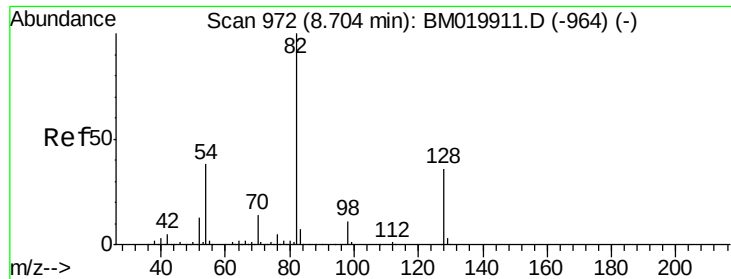
100000

50000

0

Time--> 8.30 8.40





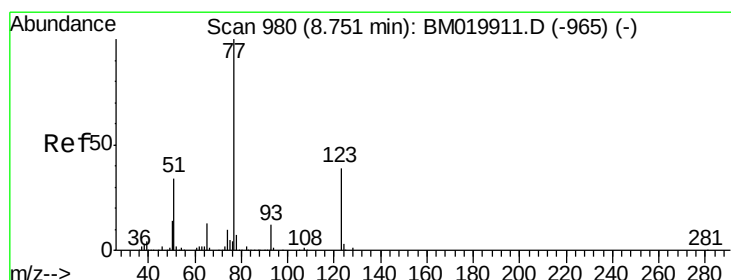
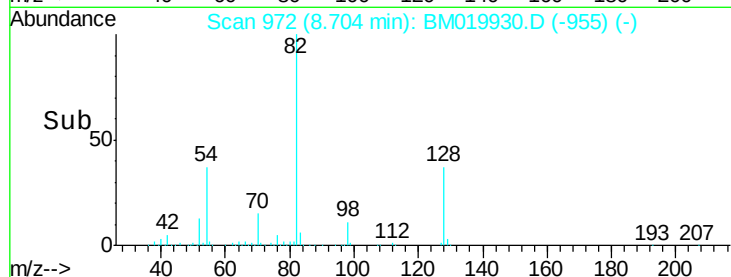
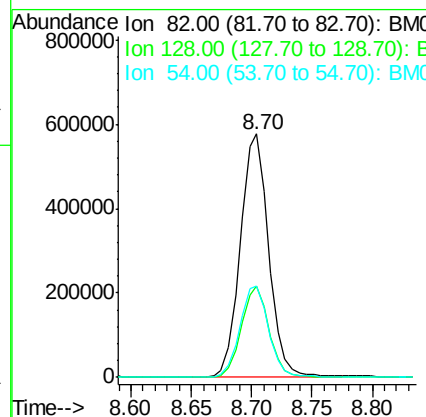
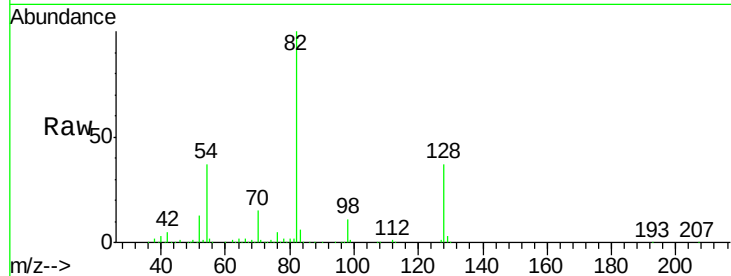
#23
 Nitrobenzene-d5
 Concen: 82.448 ng
 RT: 8.70 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	951295		
128	37.4	29.0	43.4	
54	37.3	30.2	45.4	

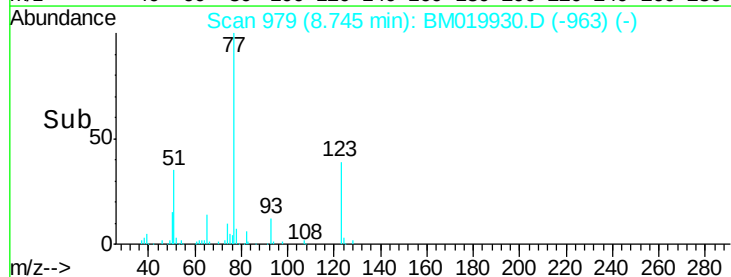
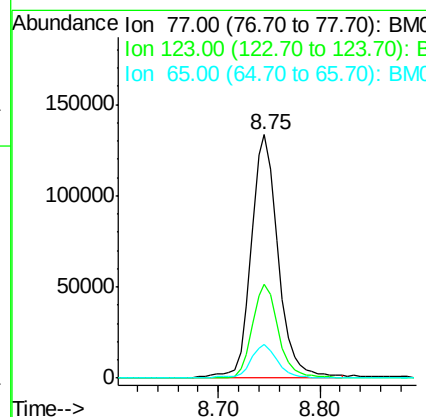
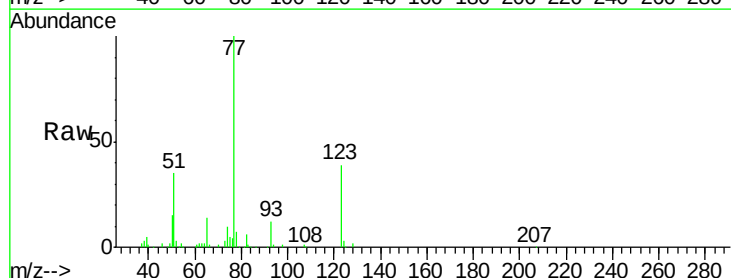
Manual Integrations
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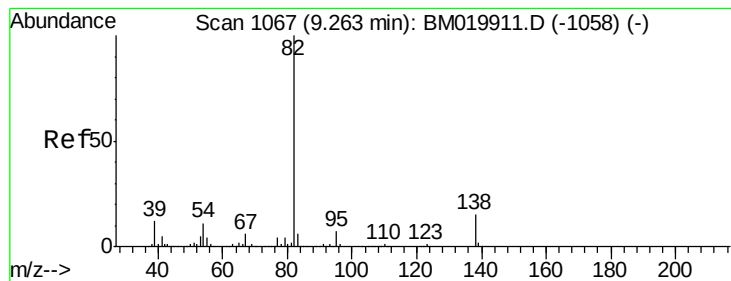
Sohil
 4/17/2019 4:05:15 PM



#24
 Nitrobenzene
 Concen: 20.376 ng
 RT: 8.75 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	243546		
123	38.5	31.0	46.4	
65	13.7	10.6	16.0	





#25

Isophorone

Concen: 19.682 ng

RT: 9.26 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

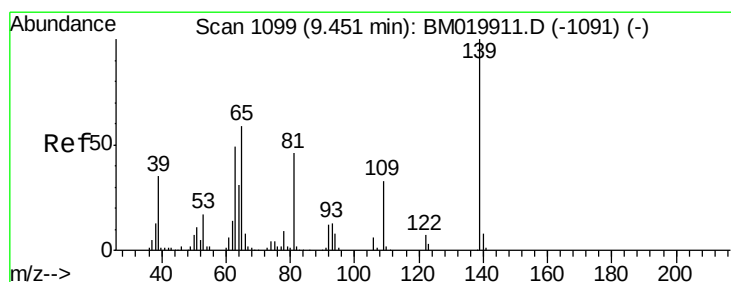
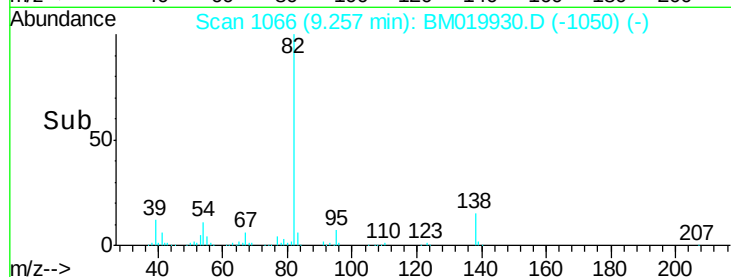
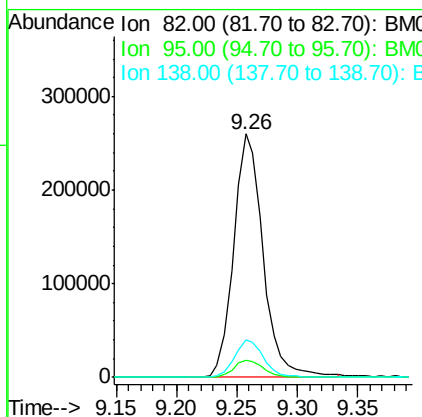
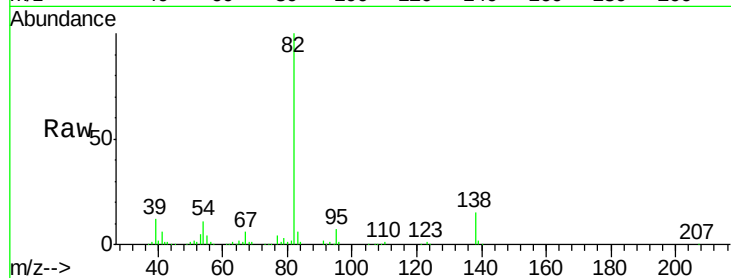
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	82	Resp:	442070
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.5	8.3
138	15.4	12.2	18.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 18.730 ng

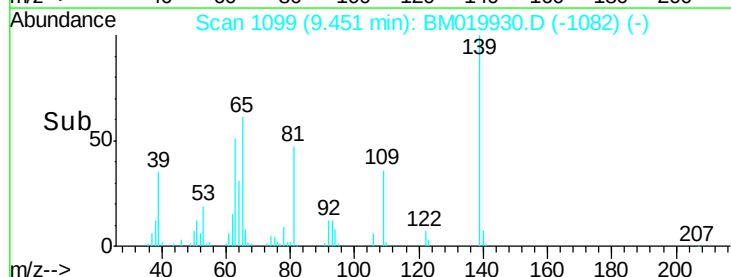
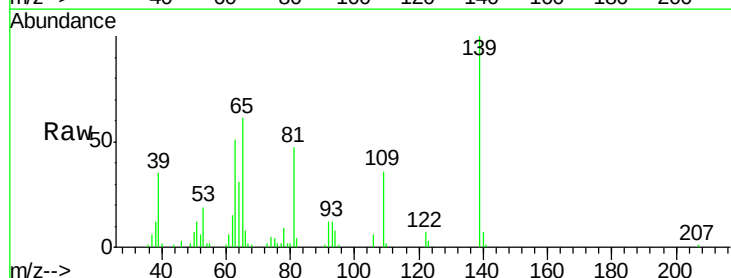
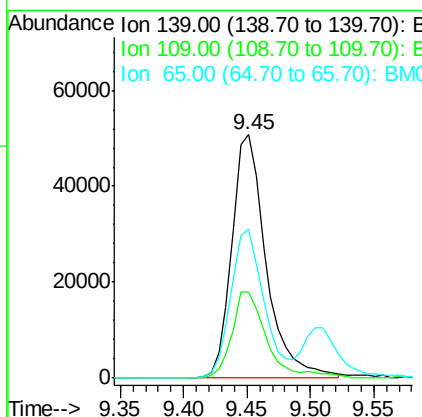
RT: 9.45 min Scan# 1099

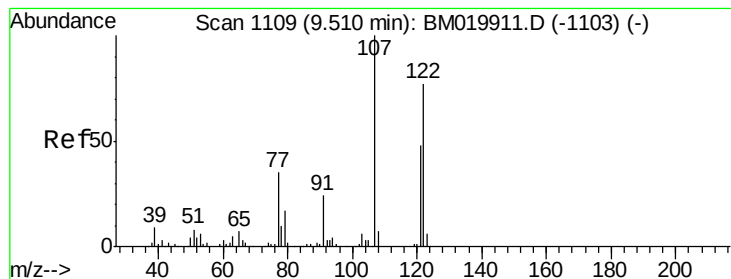
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

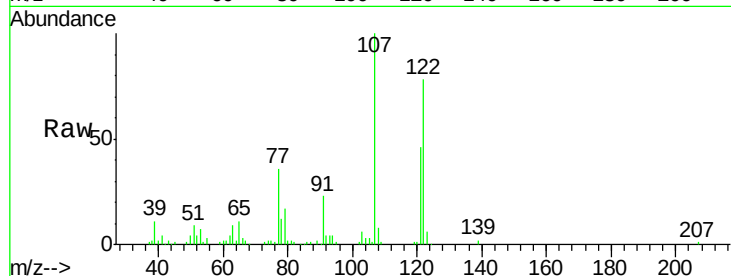
Tgt Ion:	139	Resp:	95402
Ion Ratio	Lower	Upper	
139	100		
109	35.6	26.3	39.5
65	61.4	47.4	71.2





#27
 2,4-Dimethylphenol
 Concen: 18.226 ng
 RT: 9.51 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

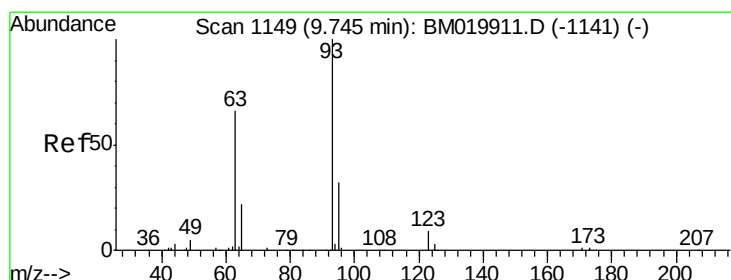
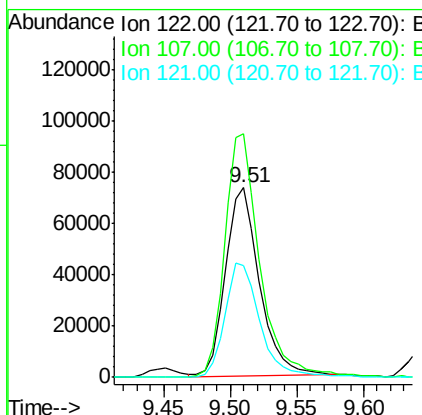
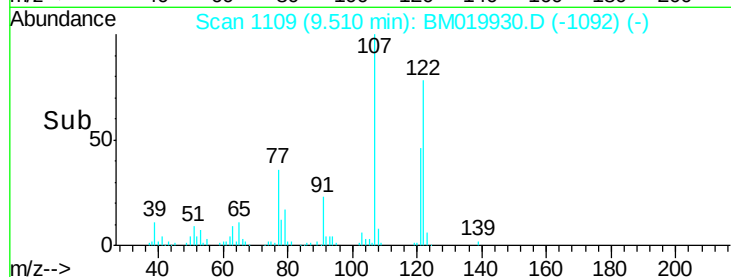
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019



Tgt Ion	Ratio	Lower	Upper
122	100		
107	128.4	103.1	154.7
121	59.3	49.8	74.8

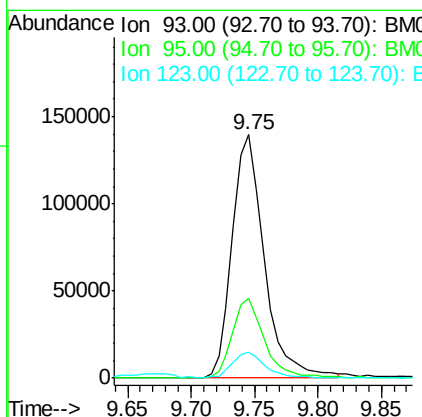
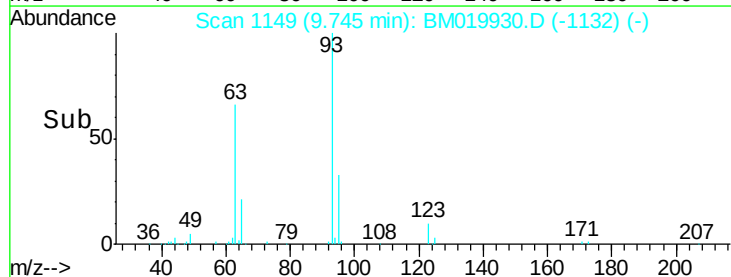
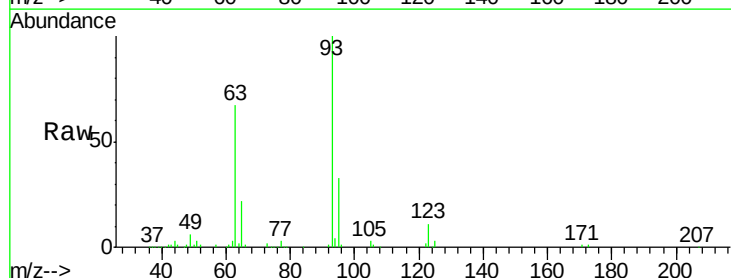
Manual Integrations
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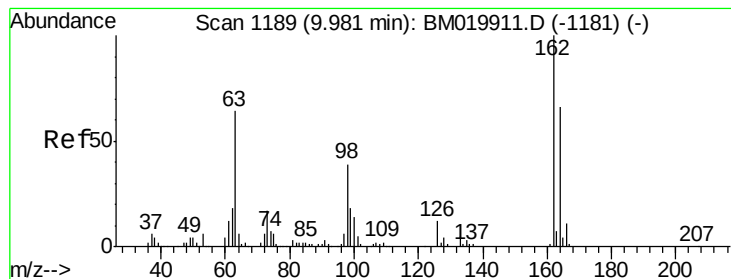
Sohil
 4/17/2019 4:05:15 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 19.546 ng
 RT: 9.75 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	10.8	8.2	12.2





#29

2,4-Dichlorophenol

Concen: 19.173 ng

RT: 9.99 min Scan# 1190

Delta R.T. 0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

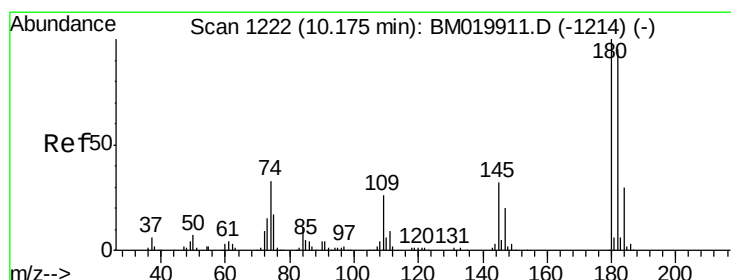
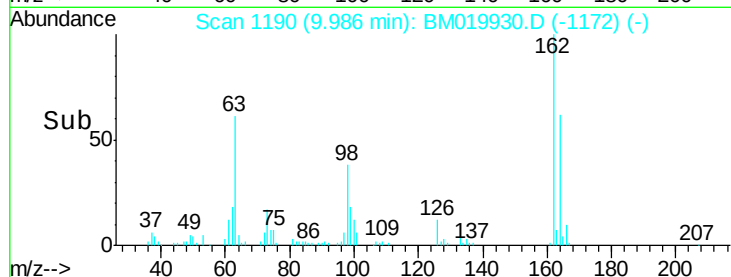
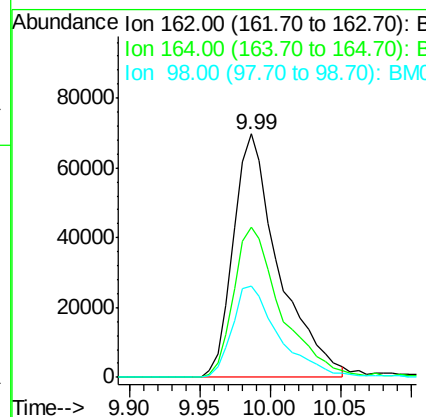
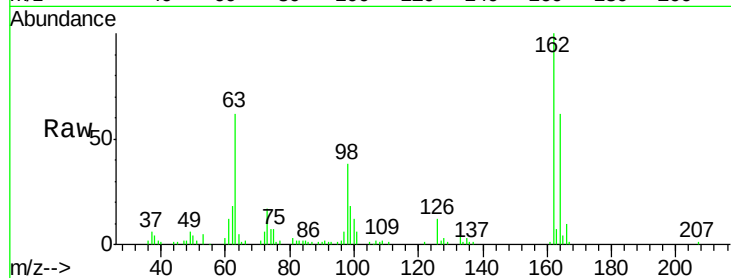
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	162	Resp:	156822
Ion Ratio	Lower	Upper	
162	100		
164	61.6	46.3	86.3
98	37.7	19.2	59.2

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#30

1,2,4-Trichlorobenzene

Concen: 19.909 ng

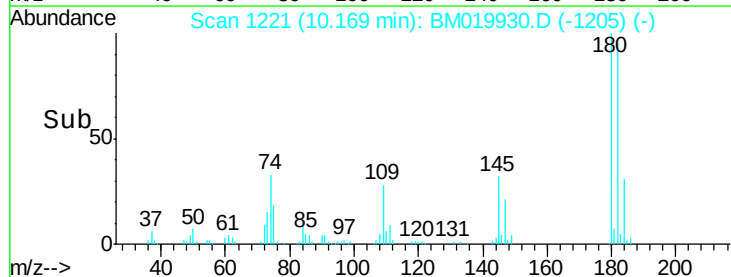
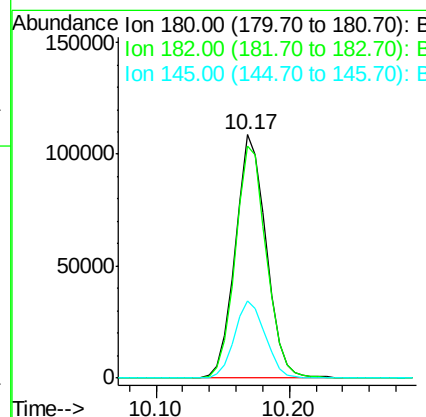
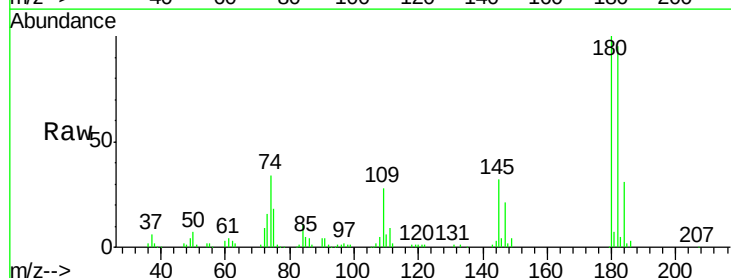
RT: 10.17 min Scan# 1221

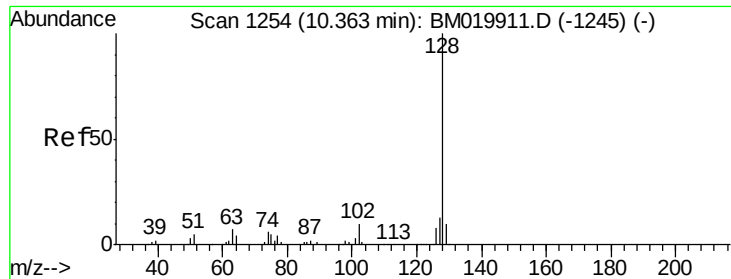
Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	180	Resp:	175272
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.3	114.5
145	31.7	25.5	38.3





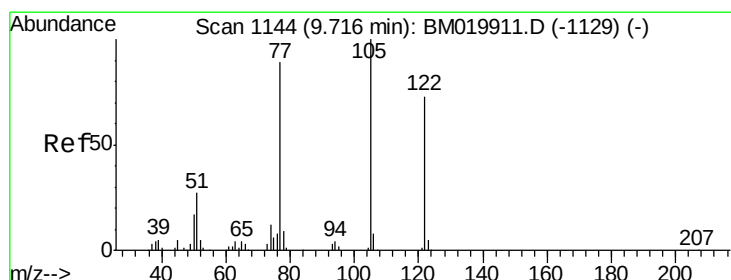
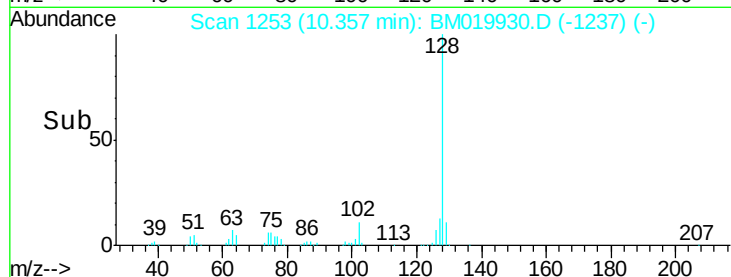
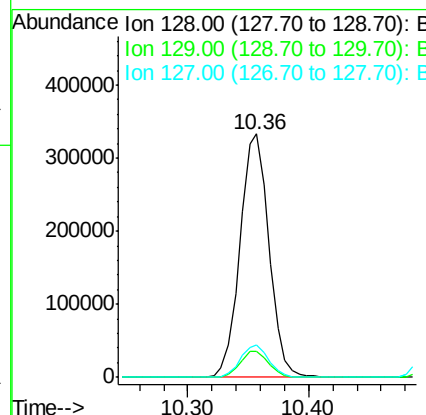
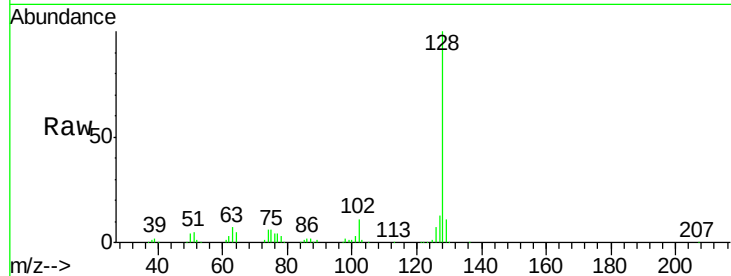
#31
Naphthalene
Concen: 20.134 ng
RT: 10.36 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	557258		
129	10.7		8.3	12.5
127	13.5		10.4	15.6

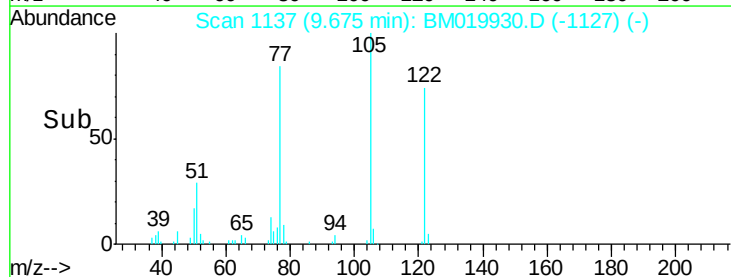
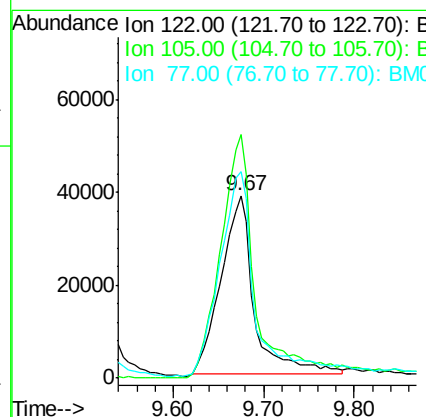
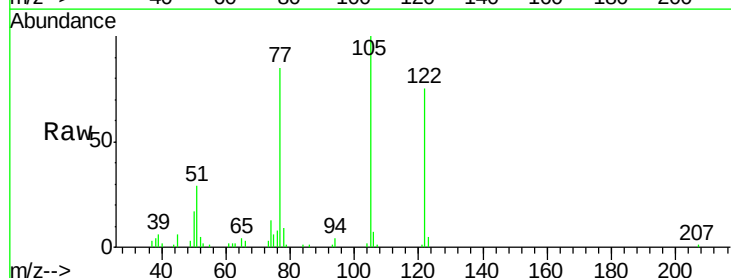
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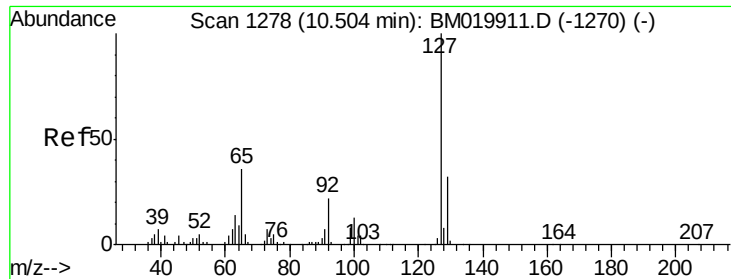
Sohil
4/17/2019 4:05:15 PM



#32
Benzoic acid
Concen: 18.032 ng
RT: 9.67 min Scan# 1137
Delta R.T. -0.04 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	98305		
105	133.3		114.8	154.8
77	113.0		100.2	140.2





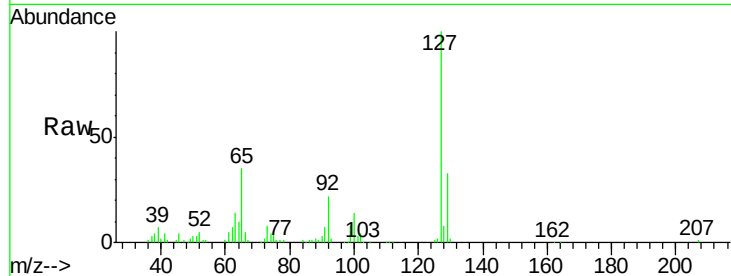
#33
4-Chloroaniline
Concen: 19.127 ng
RT: 10.51 min Scan# 1279
Delta R.T. 0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

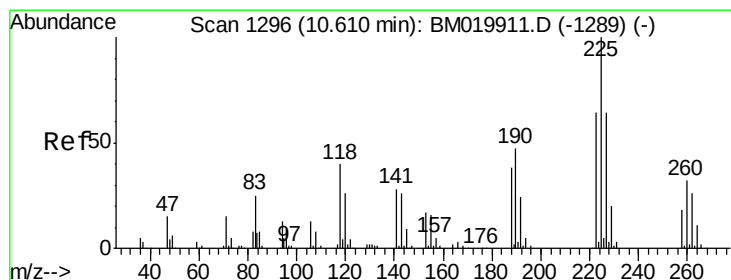
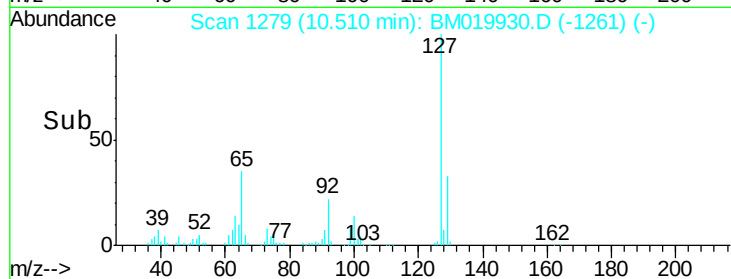
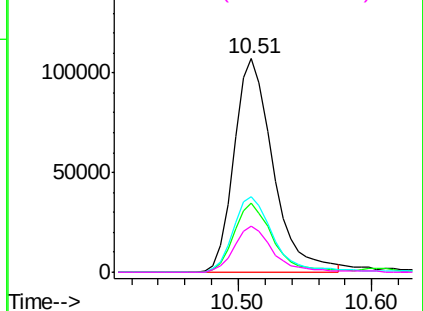
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	218084		
129	32.6	25.4	38.0	
65	35.4	29.2	43.8	
92	21.8	17.5	26.3	

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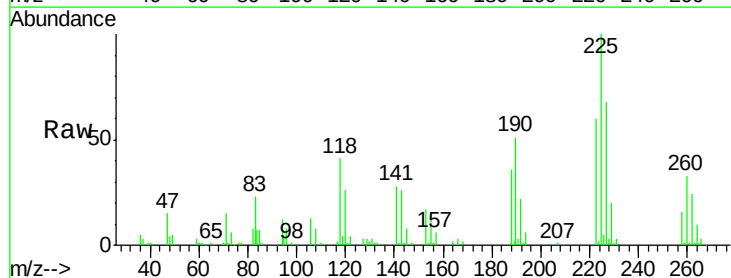


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

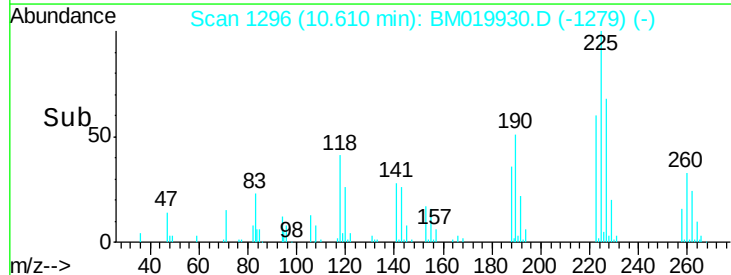
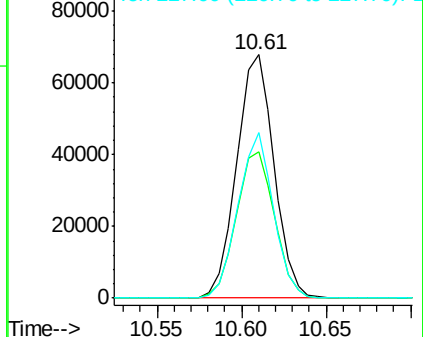


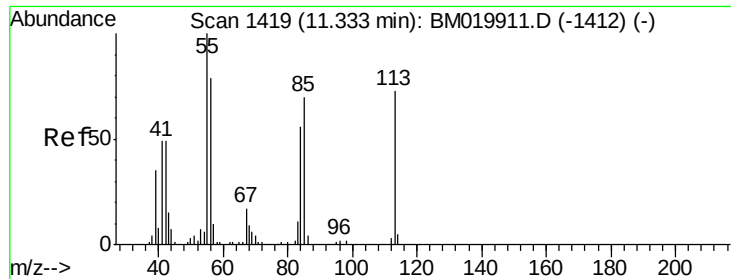
#34
Hexachlorobutadiene
Concen: 20.134 ng
RT: 10.61 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104539		
223	59.9	51.4	77.2	
227	67.8	51.0	76.6	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





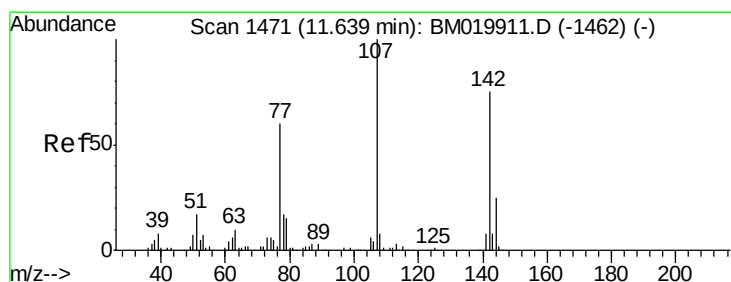
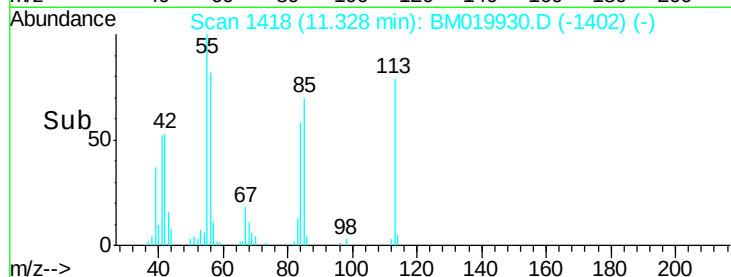
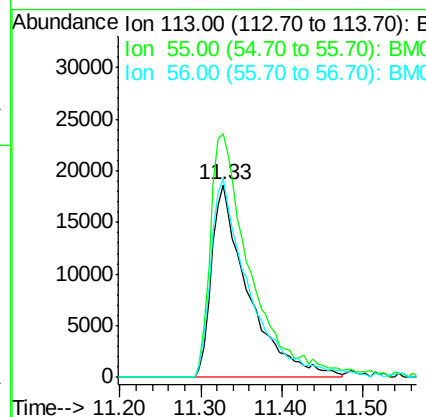
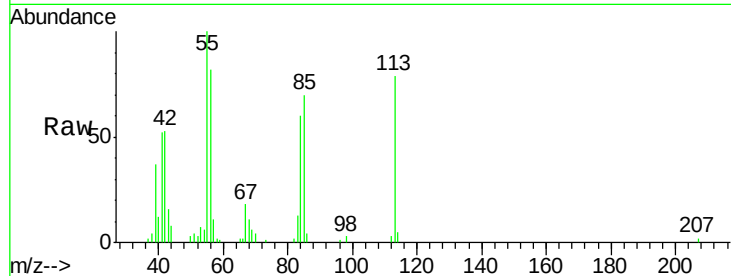
#35
 Caprolactam
 Concen: 18.872 ng m
 RT: 11.33 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
113	100		
55	126.3	117.1	157.1
56	103.1	88.2	128.2

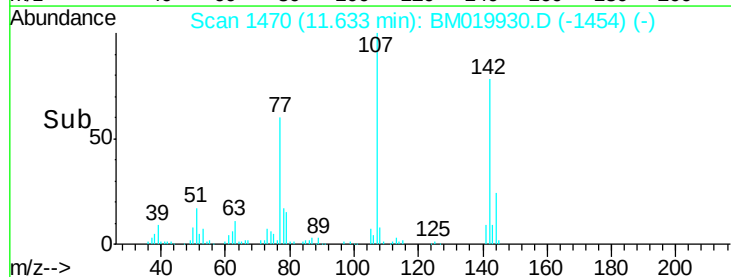
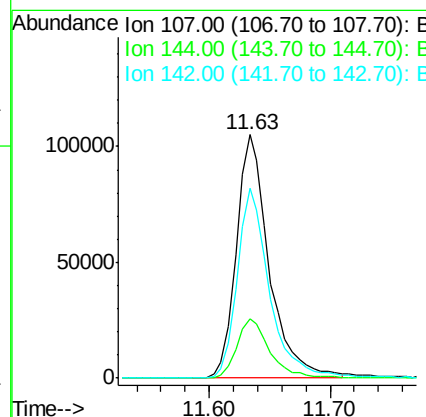
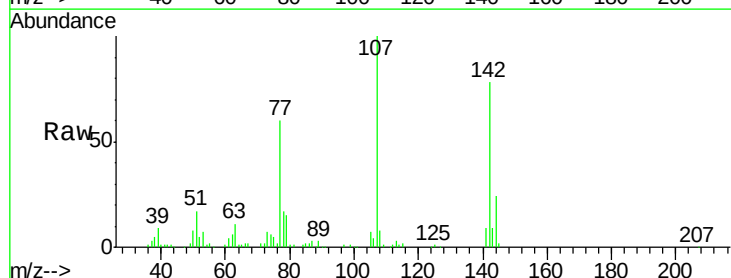
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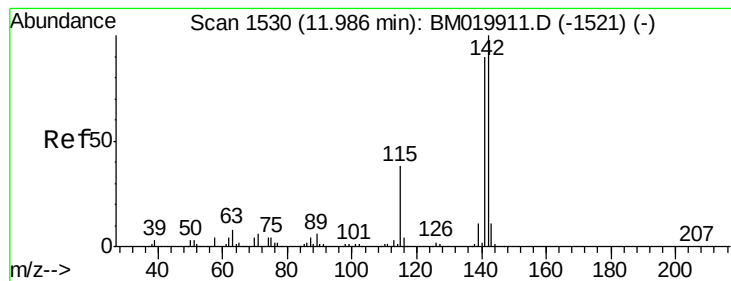
Sohil
 4/17/2019 4:05:15 PM



#36
 4-Chloro-3-methylphenol
 Concen: 19.546 ng
 RT: 11.63 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.8	29.8
142	78.0	60.3	90.5





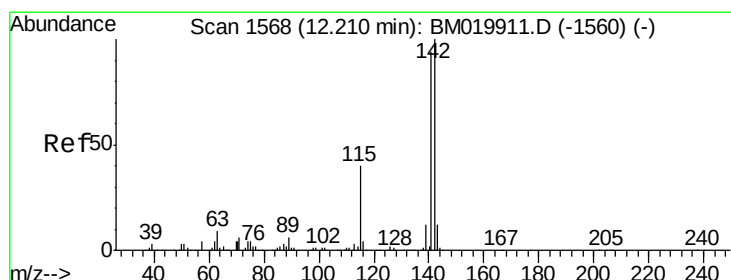
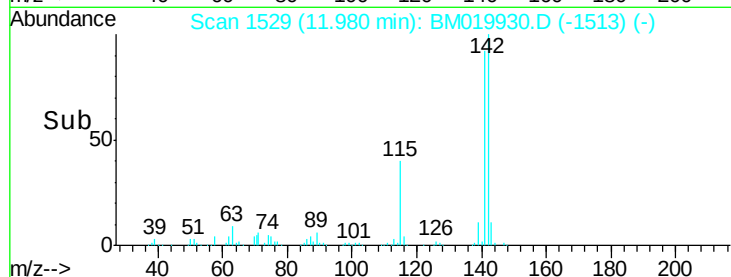
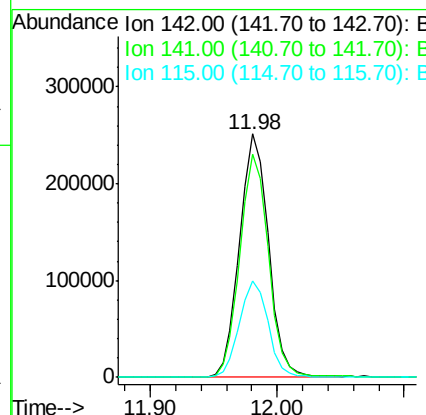
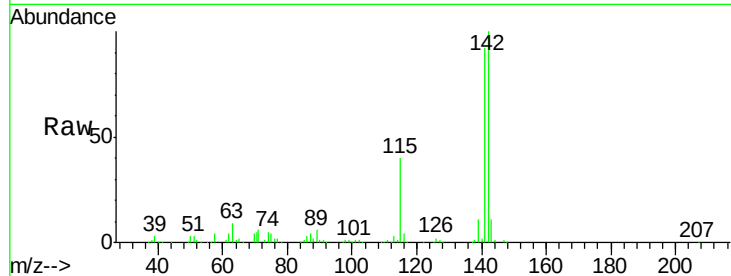
#37
 2-Methylnaphthalene
 Concen: 19.765 ng
 RT: 11.98 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	398261		
141	91.6	72.3	108.5	
115	39.6	30.5	45.7	

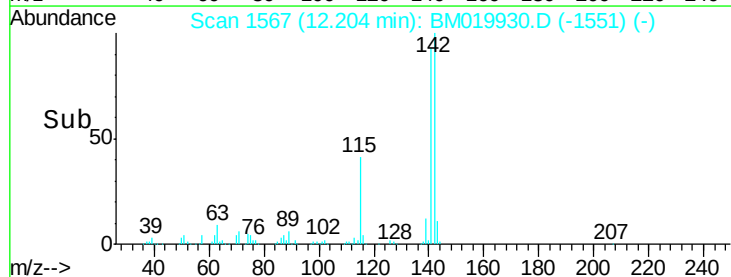
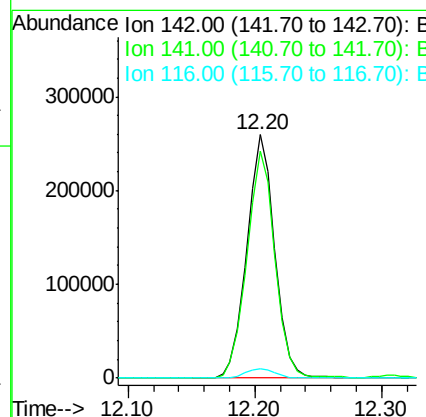
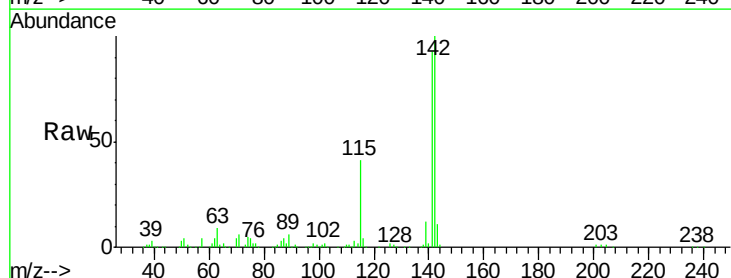
Manual Integrations
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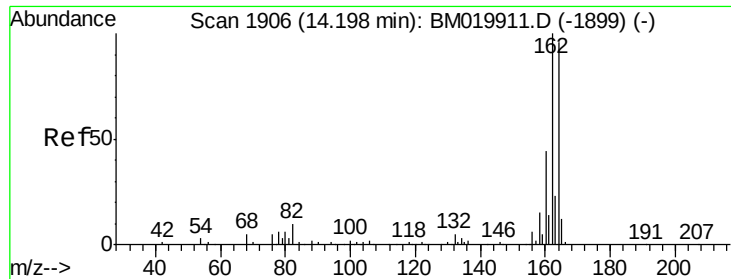
Sohil
 4/17/2019 4:05:15 PM



#38
 1-Methylnaphthalene
 Concen: 19.836 ng
 RT: 12.20 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	394643		
141	93.1	75.7	113.5	
116	4.0	3.4	5.2	





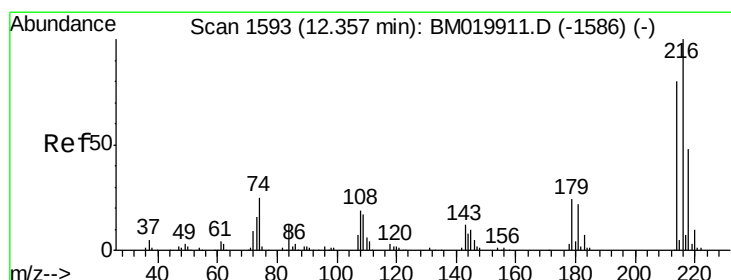
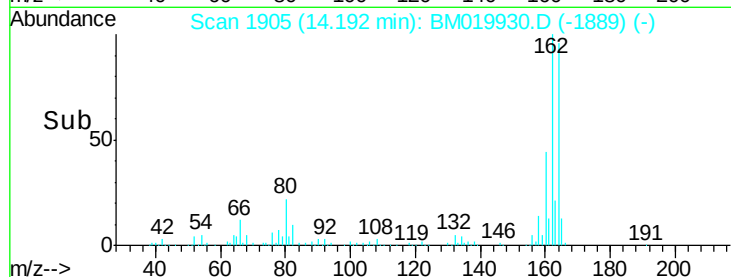
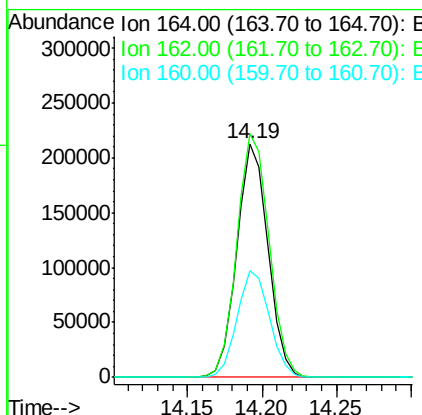
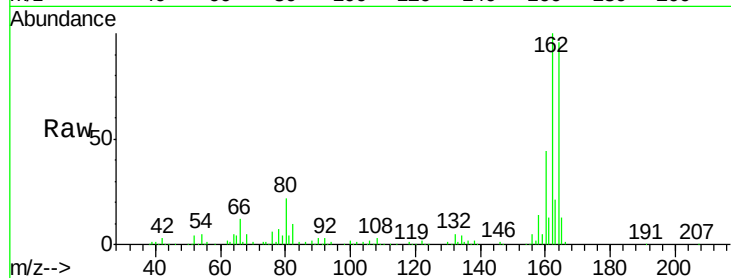
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.3	308659	83.0	124.4
160	45.6		36.6	55.0

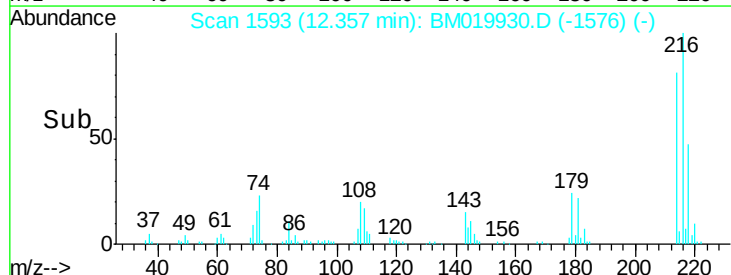
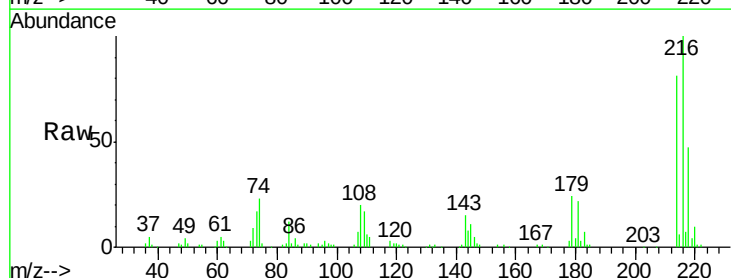
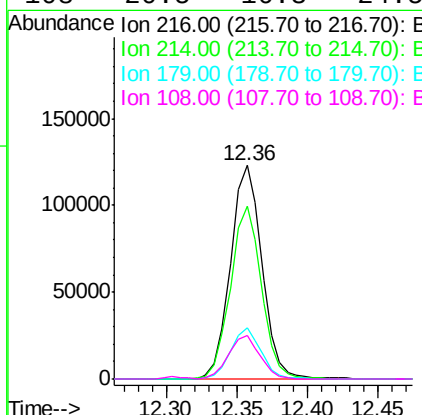
Manual Integrations
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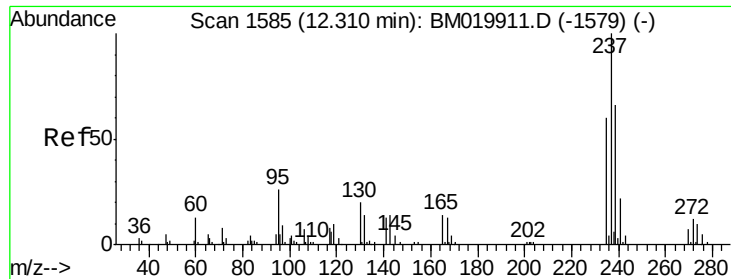
Sohil
4/17/2019 4:05:15 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.078 ng
RT: 12.36 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	191182		
214	79.9		63.1	94.7
179	23.1		19.0	28.6
108	20.5		16.3	24.5





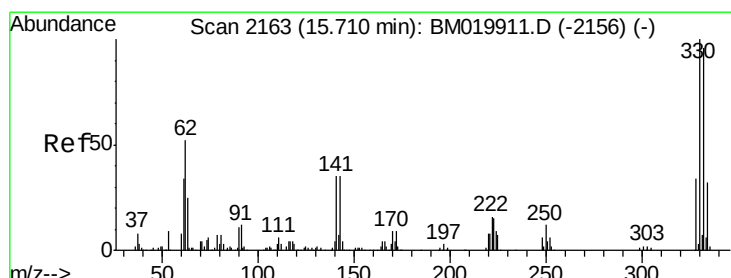
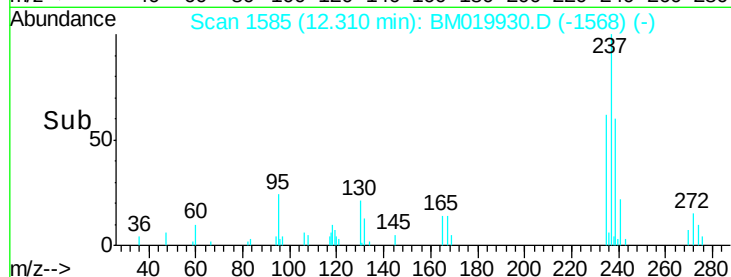
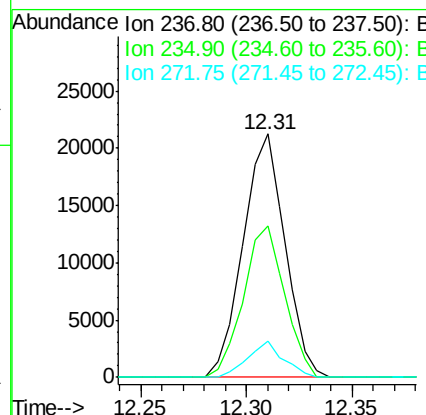
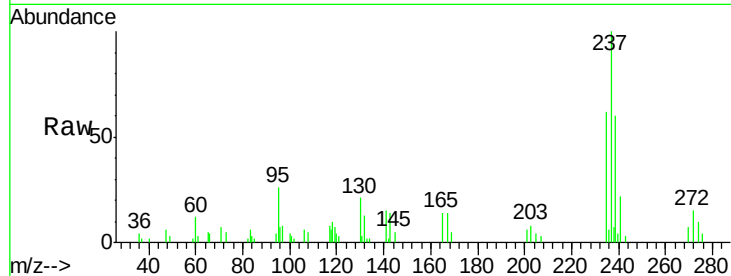
#41
Hexachlorocyclopentadiene
Concen: 19.054 ng
RT: 12.31 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	29167		
235	62.3	40.4	80.4	
272	15.1	0.0	32.3	

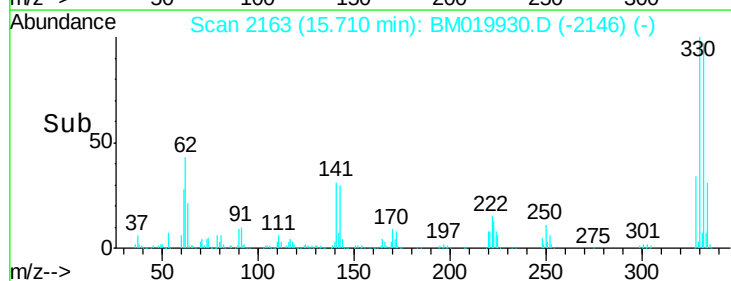
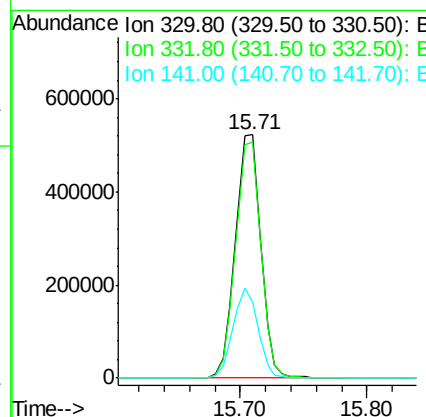
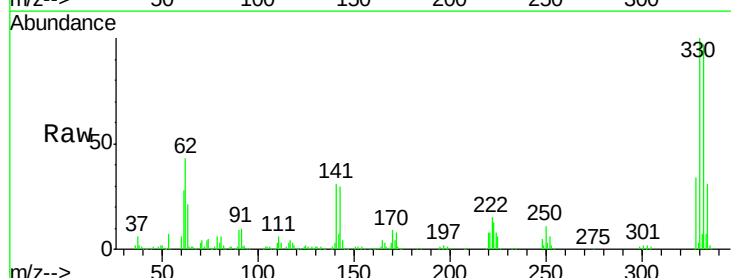
Manual Integrations
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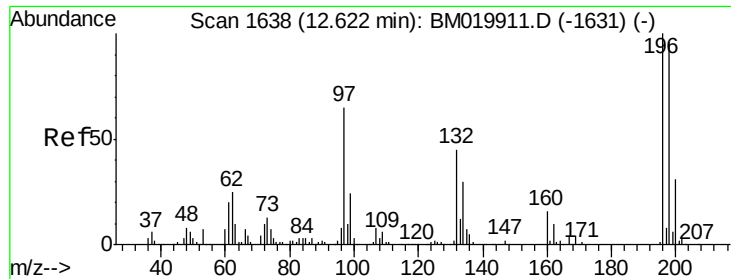
Sohil
4/17/2019 4:05:15 PM



#42
2,4,6-Tribromophenol
Concen: 146.227 ng
RT: 15.71 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	726538		
332	96.4	77.4	116.2	
141	36.2	29.0	43.4	





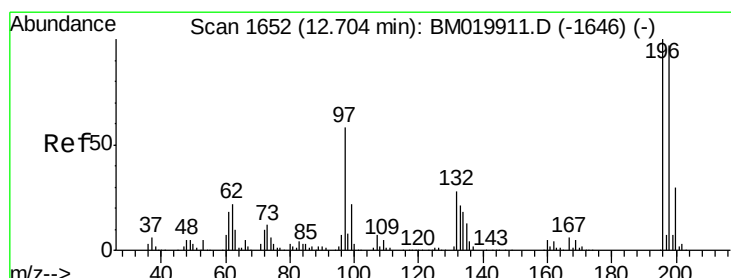
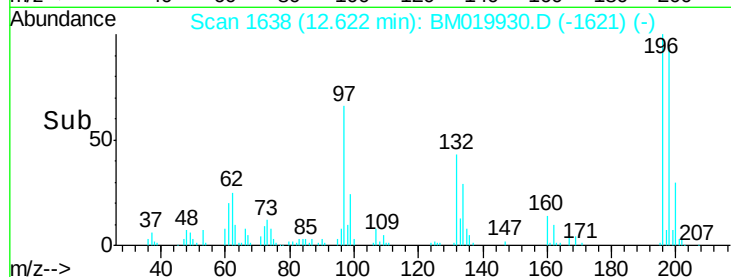
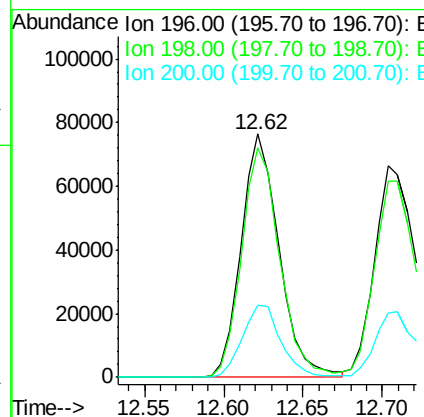
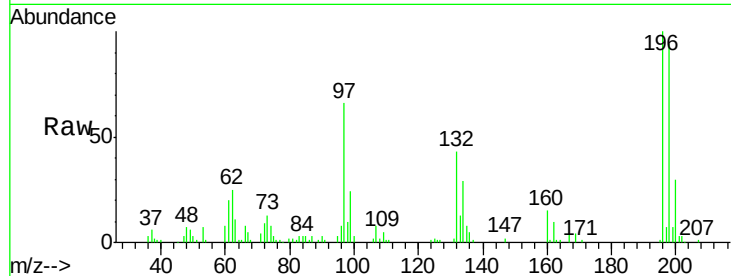
#43
 2,4,6-Trichlorophenol
 Concen: 19.674 ng
 RT: 12.62 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	127005		
198	94.2	76.8	115.2	
200	29.6	24.6	37.0	

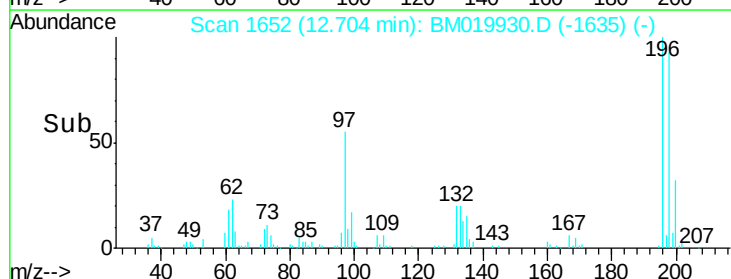
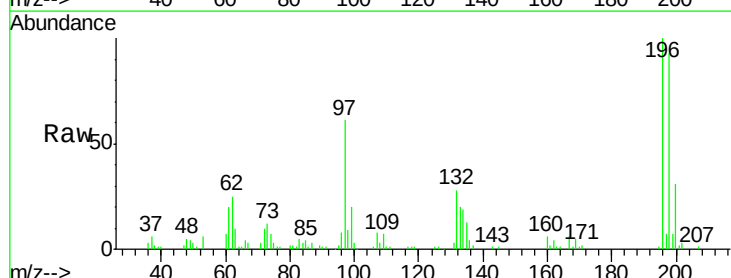
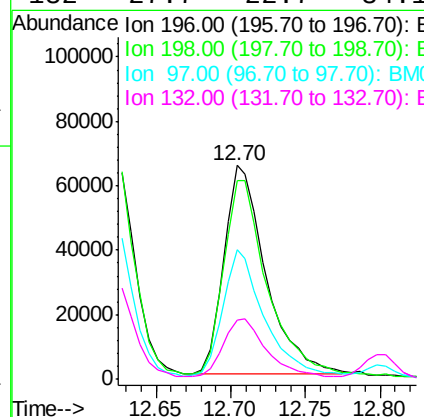
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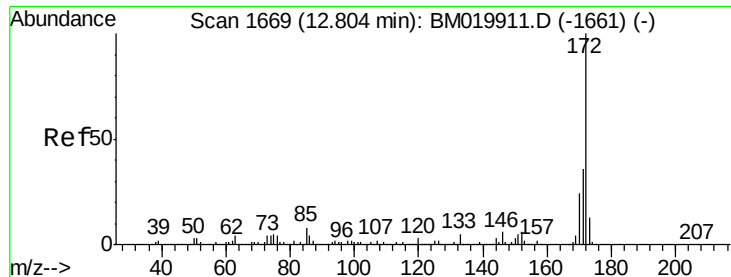
Sohil
 4/17/2019 4:05:15 PM



#44
 2,4,5-Trichlorophenol
 Concen: 18.864 ng
 RT: 12.70 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	126749		
198	92.7	77.8	116.8	
97	60.8	46.2	69.2	
132	27.7	22.7	34.1	





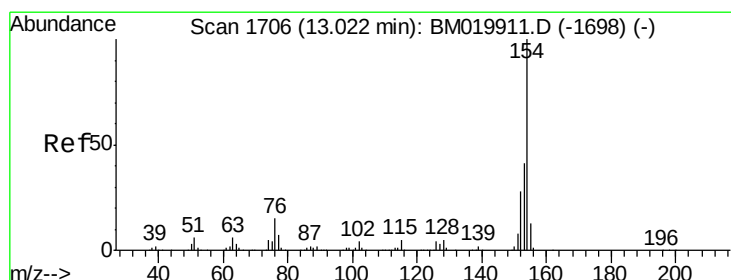
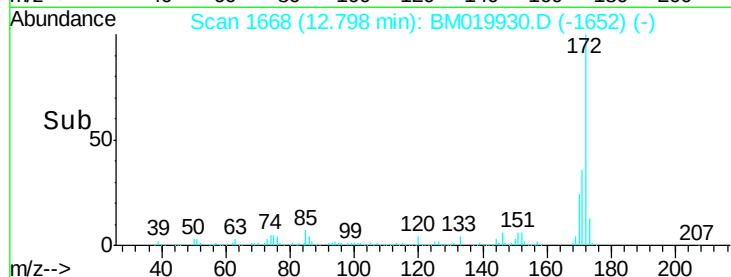
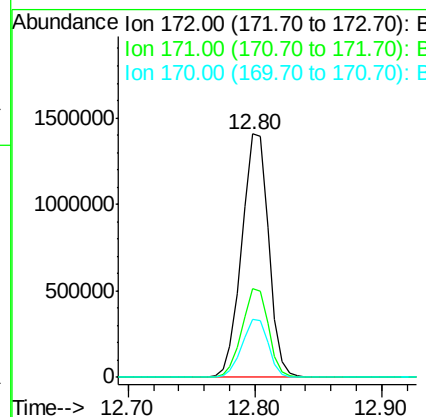
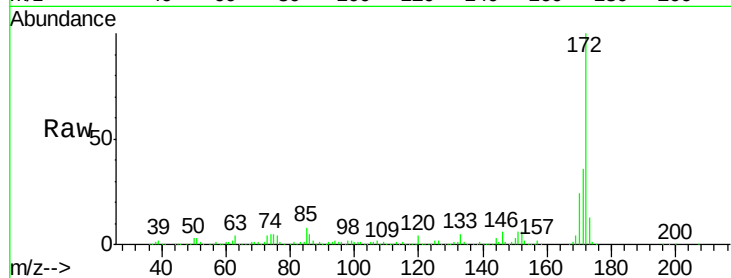
#45
2-Fluorobiphenyl
Concen: 83.268 ng
RT: 12.80 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.7	19.0	28.4

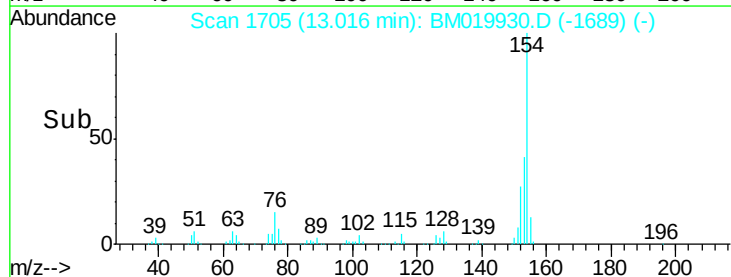
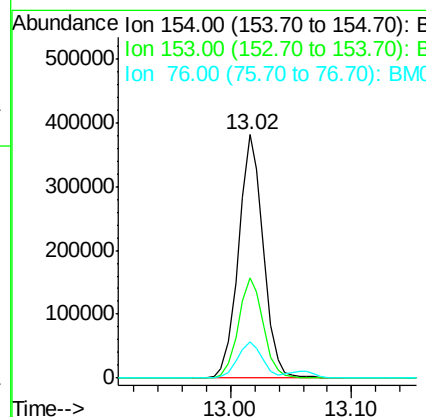
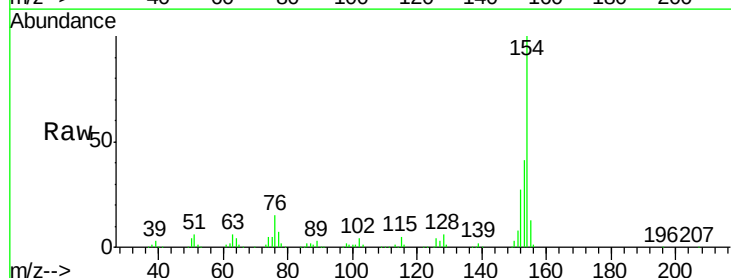
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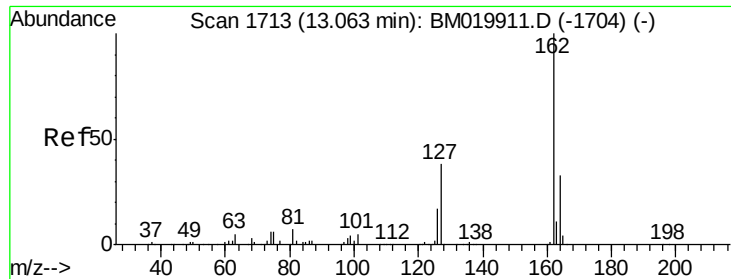
Sohil
4/17/2019 4:05:15 PM



#46
1,1'-Biphenyl
Concen: 20.355 ng
RT: 13.02 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	15.0	0.0	34.8





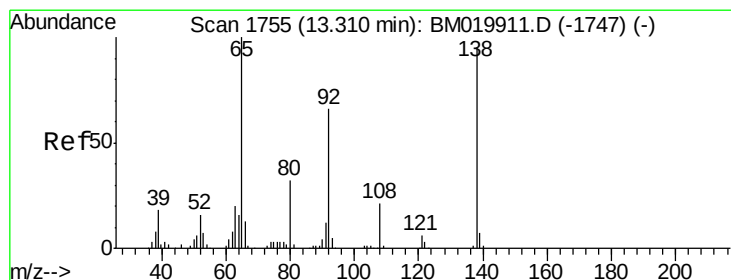
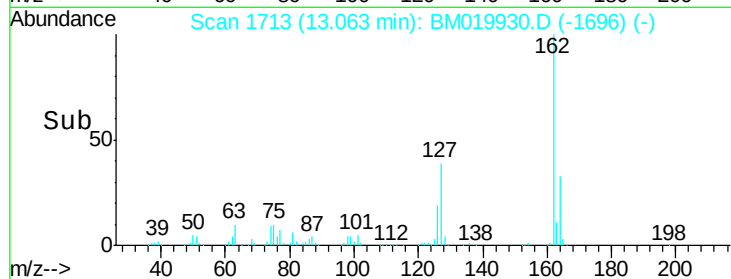
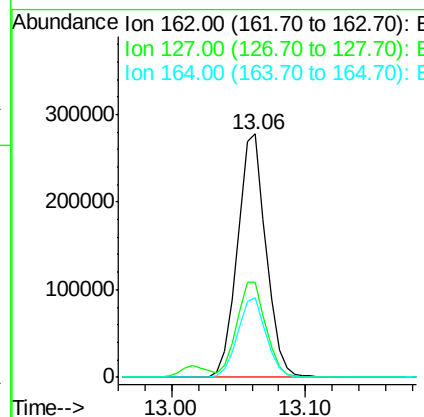
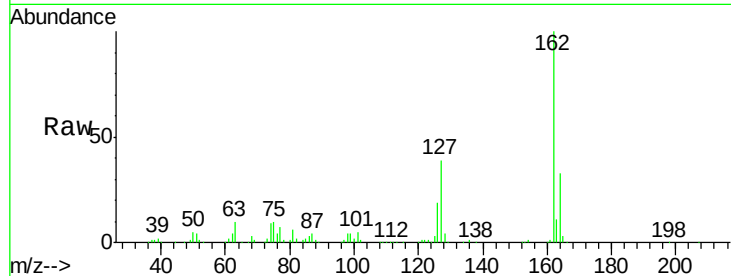
#47
 2-Chloronaphthalene
 Concen: 20.277 ng
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	413479		
127	39.1	32.3	48.5	
164	32.6	26.3	39.5	

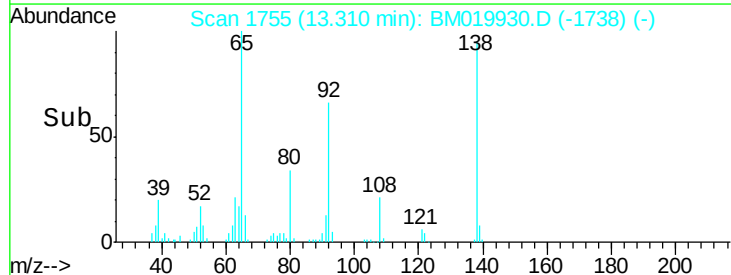
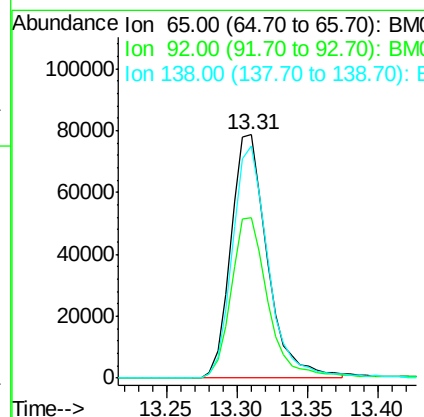
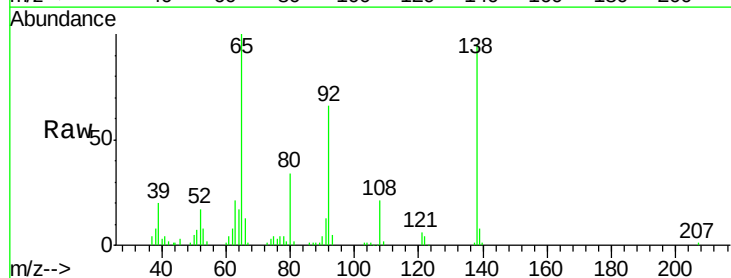
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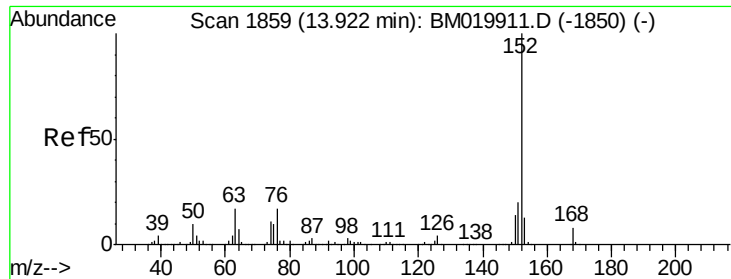
Sohil
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#48
 2-Nitroaniline
 Concen: 19.320 ng
 RT: 13.31 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	142006		
92	66.0	52.9	79.3	
138	95.2	75.8	113.6	





#49

Acenaphthylene

Concen: 20.202 ng

RT: 13.92 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

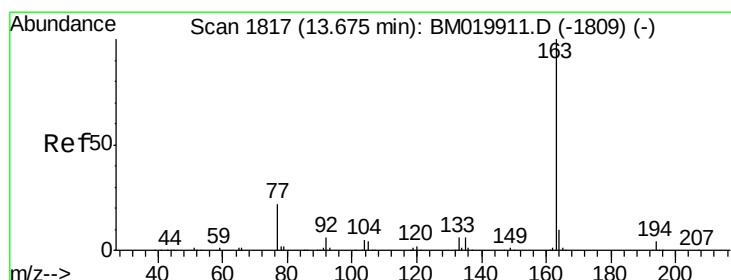
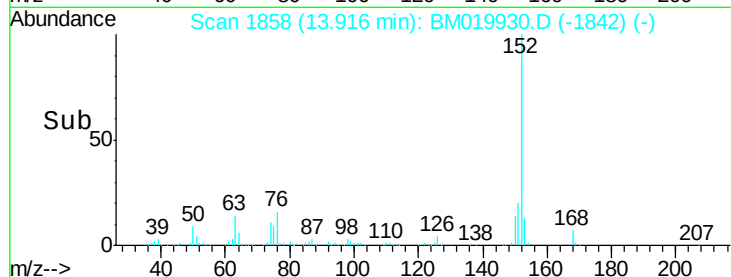
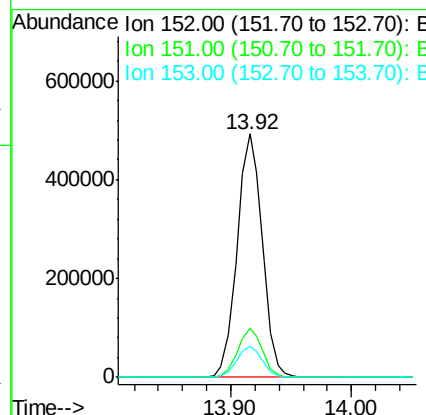
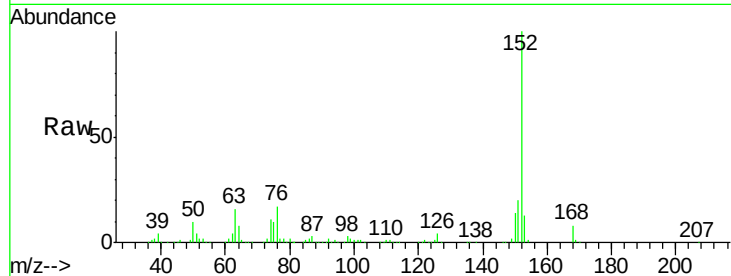
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	152	Resp:	716775
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.2	24.2
153	12.9	10.6	16.0

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#50

Dimethylphthalate

Concen: 20.698 ng

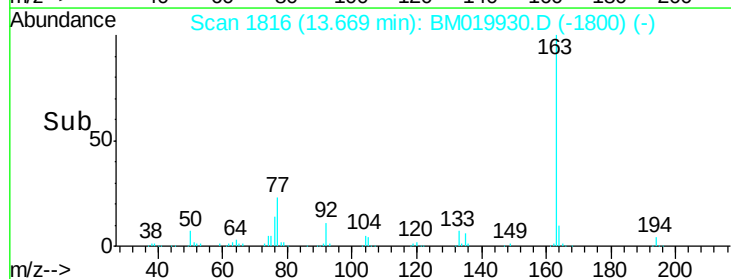
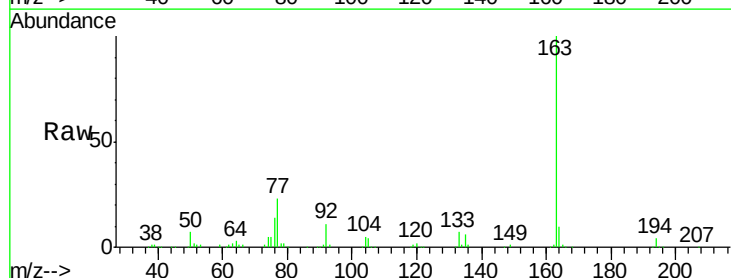
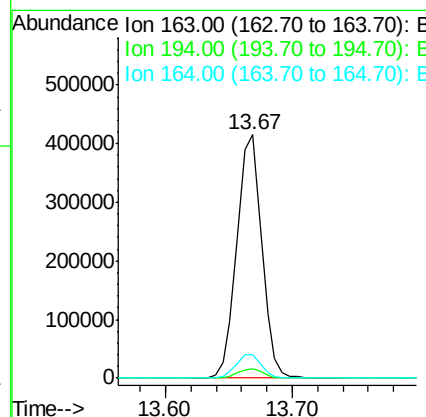
RT: 13.67 min Scan# 1816

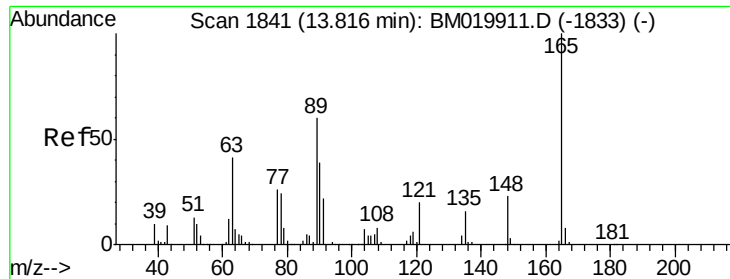
Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	163	Resp:	563507
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.8	7.9	11.9





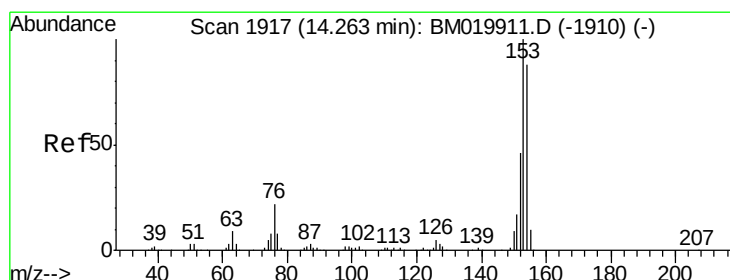
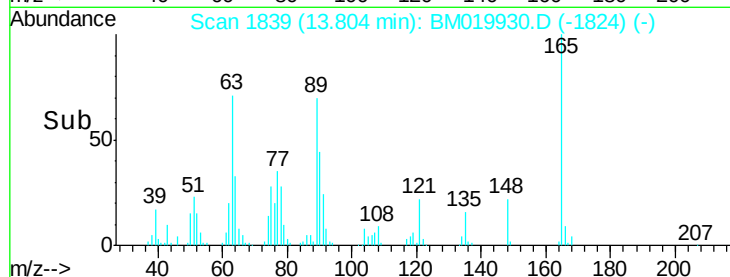
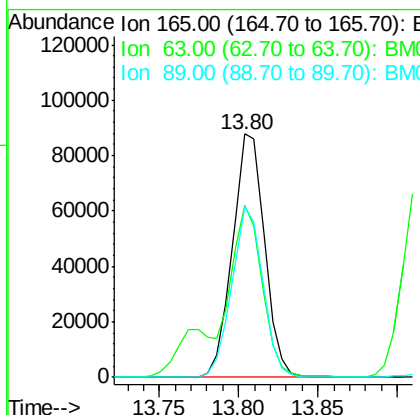
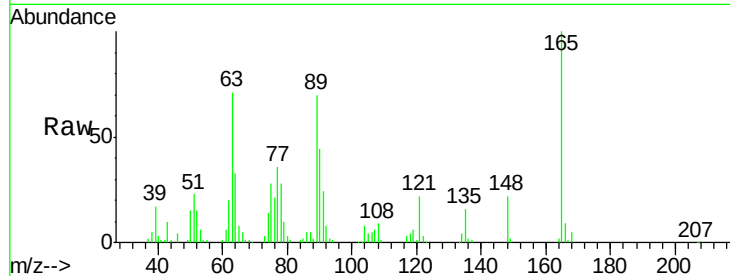
#51
 2,6-Dinitrotoluene
 Concen: 20.473 ng
 RT: 13.80 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	123254		
63	70.8	48.5	72.7	
89	69.9	48.2	72.4	

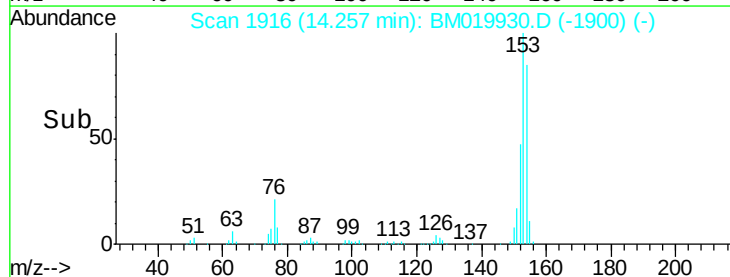
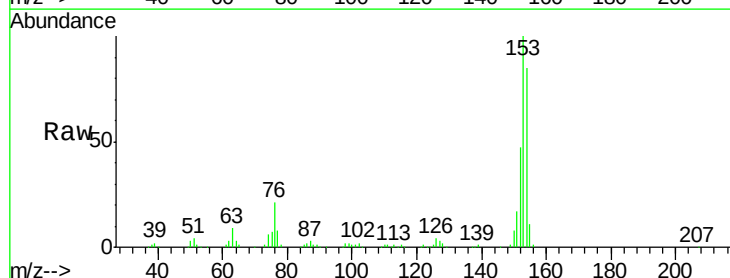
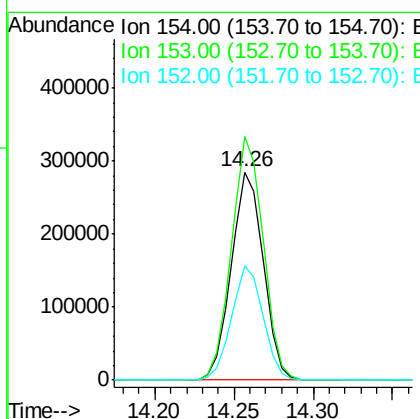
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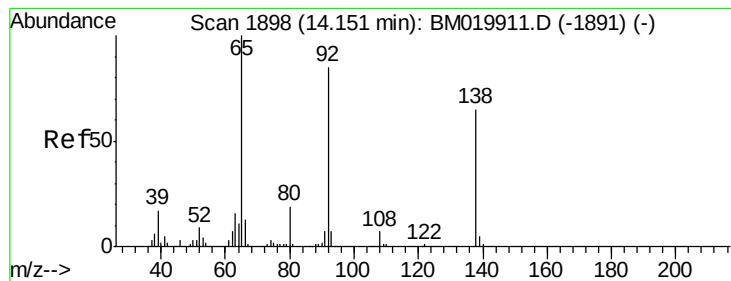
Sohil
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#52
 Acenaphthene
 Concen: 20.287 ng
 RT: 14.26 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	399093		
153	117.1	91.0	136.4	
152	55.1	42.2	63.2	





#53

3-Nitroaniline

Concen: 19.508 ng

RT: 14.15 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

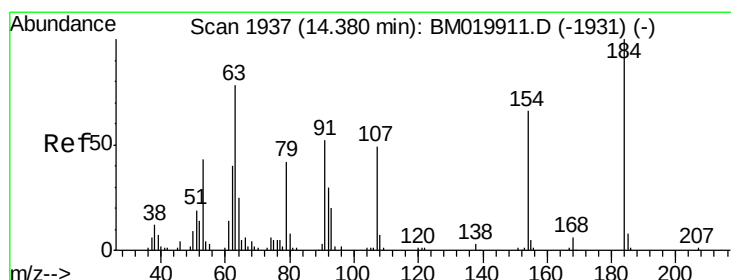
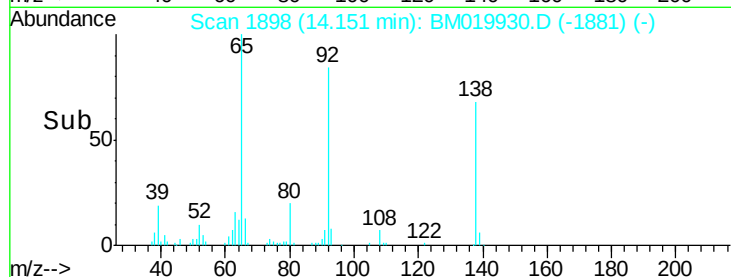
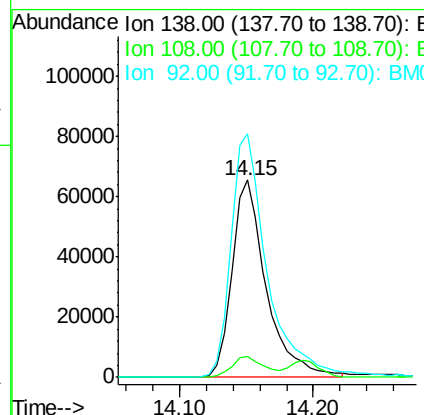
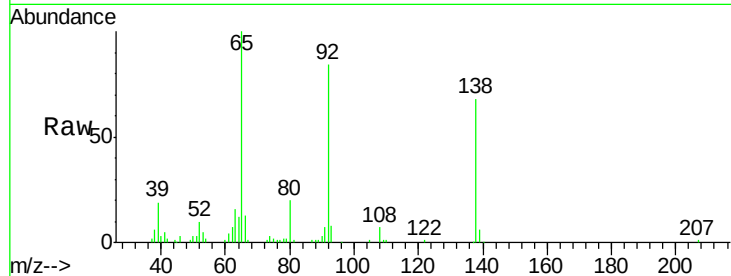
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:138 Resp: 117269
 Ion Ratio Lower Upper
 138 100
 108 10.5 8.9 13.3
 92 123.4 103.8 155.8

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#54

2,4-Dinitrophenol

Concen: 19.507 ng

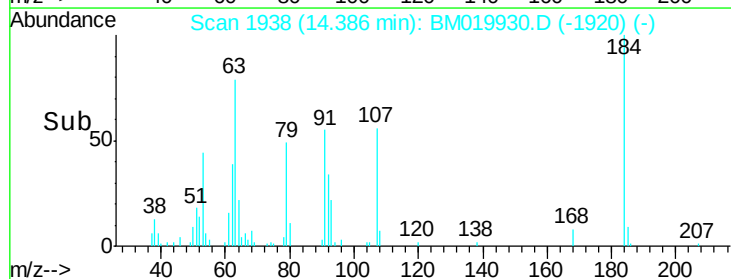
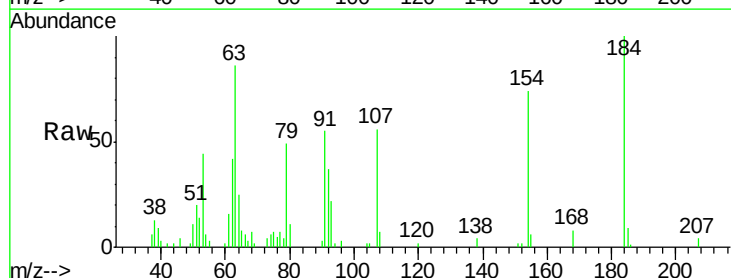
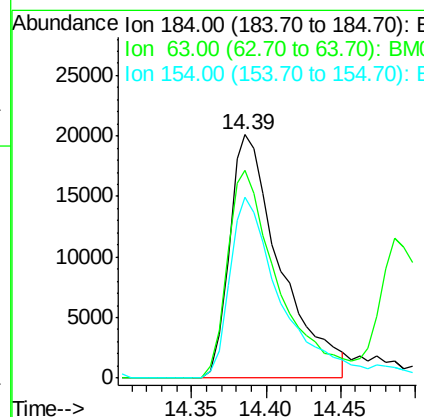
RT: 14.39 min Scan# 1938

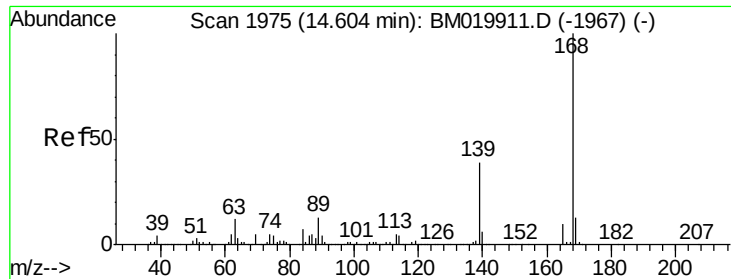
Delta R.T. 0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:184 Resp: 47705
 Ion Ratio Lower Upper
 184 100
 63 85.5 62.3 93.5
 154 74.5 53.0 79.6





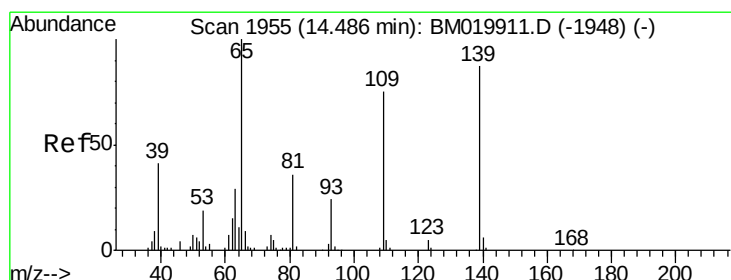
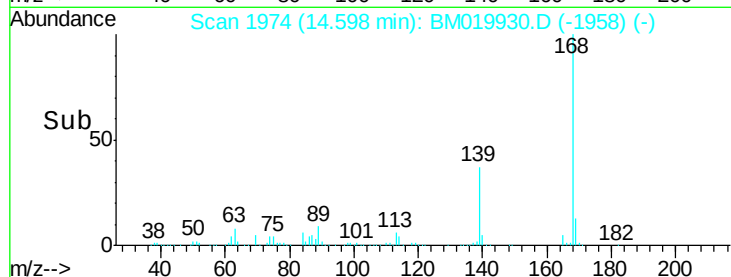
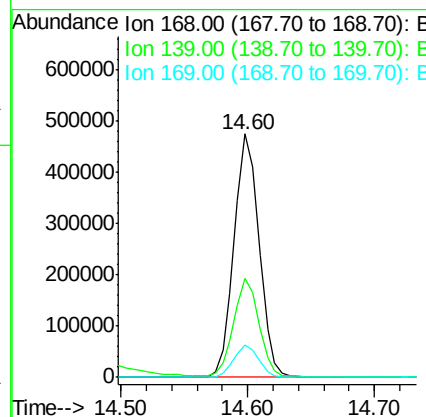
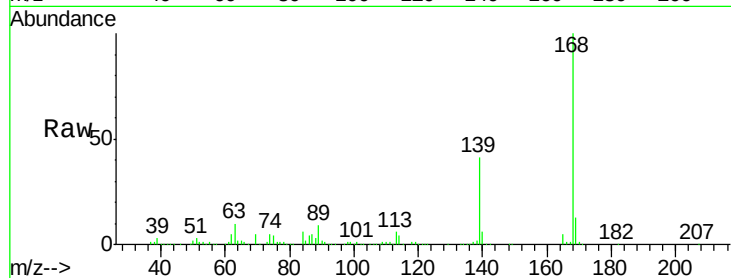
#55
Dibenzenofuran
Concen: 20.178 ng
RT: 14.60 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	649127		
139	40.8	31.5	47.3	
169	13.4	10.6	16.0	

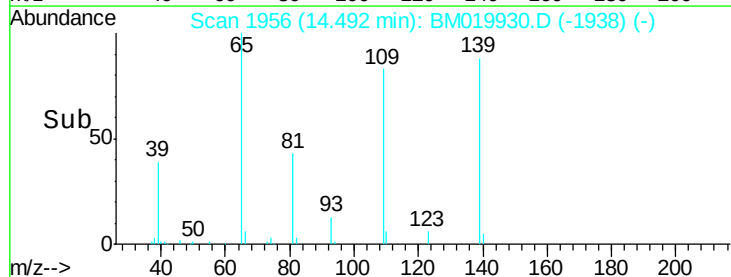
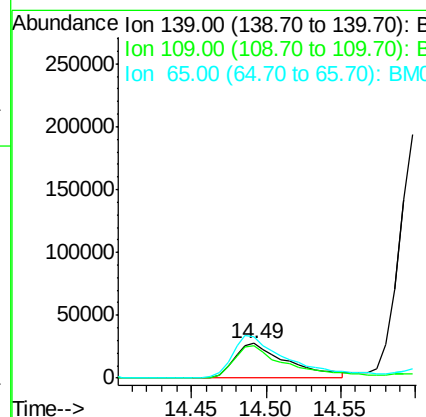
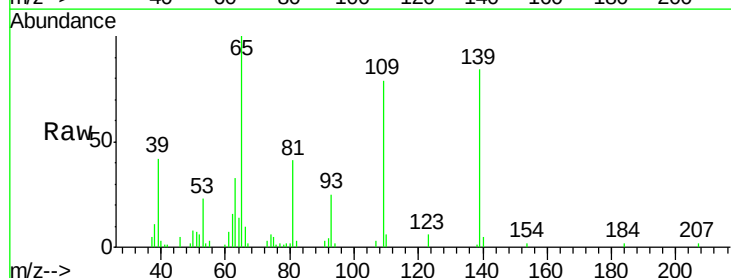
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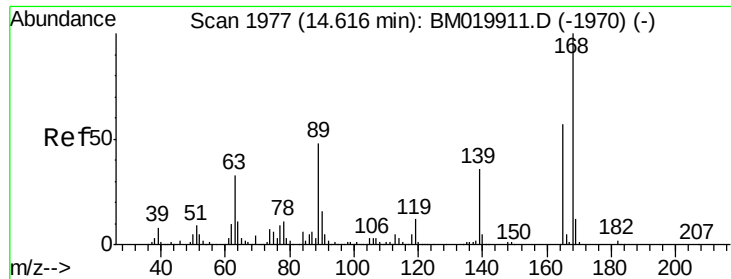
Sohil
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#56
4-Nitrophenol
Concen: 19.182 ng
RT: 14.49 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

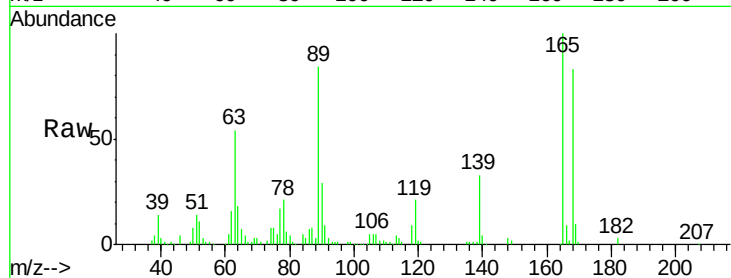
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	68188		
109	94.4	65.3	105.3	
65	119.4	94.9	134.9	





#57
 2,4-Dinitrotoluene
 Concen: 19.548 ng
 RT: 14.62 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

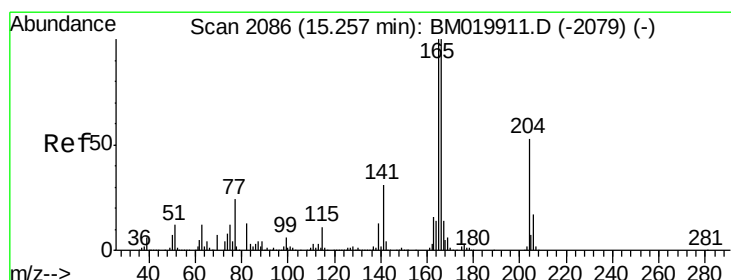
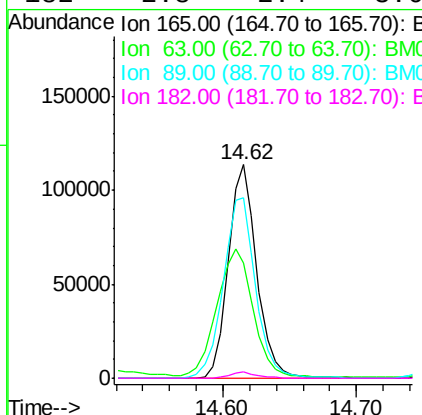
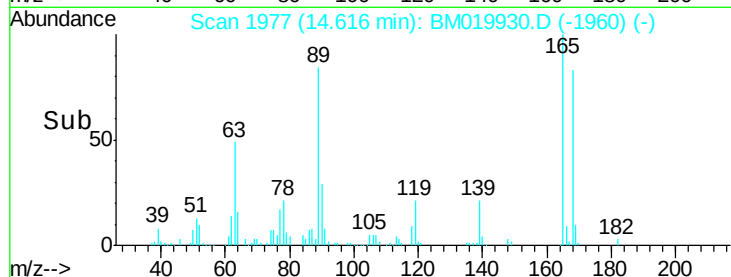
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019



Tgt Ion	Ratio	Resp	Lower	Upper
165	100	169168		
63	54.1	46.0	69.0	
89	84.2	67.5	101.3	
182	2.8	2.4	3.6	

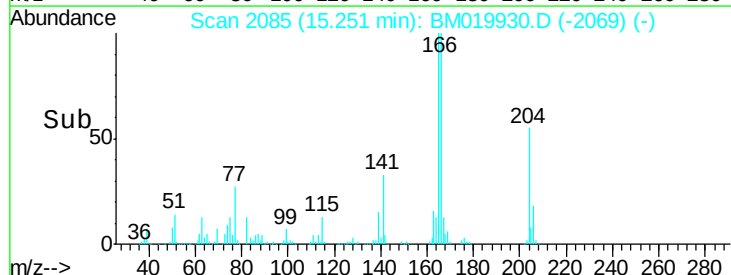
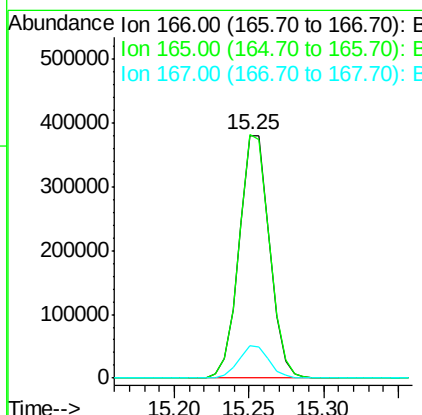
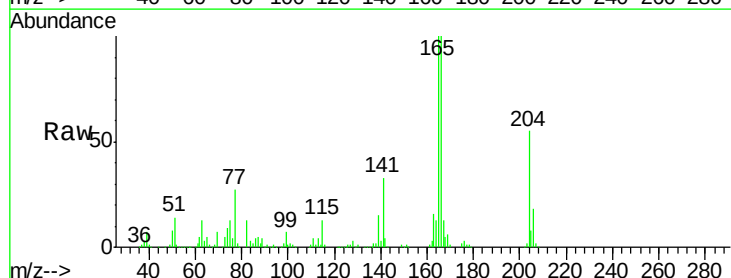
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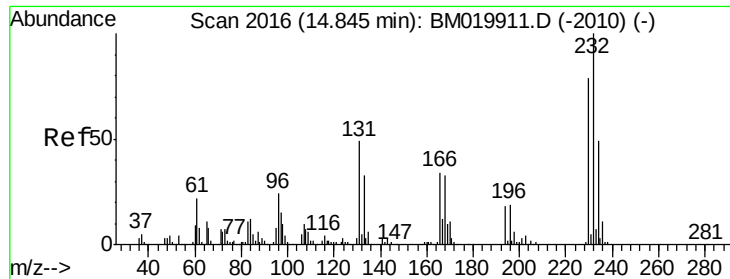
Sohil
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#58
 Fluorene
 Concen: 19.706 ng
 RT: 15.25 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	537171		
165	100.3	80.1	120.1	
167	13.4	11.0	16.4	





#59

2,3,4,6-Tetrachlorophenol

Concen: 20.198 ng

RT: 14.84 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

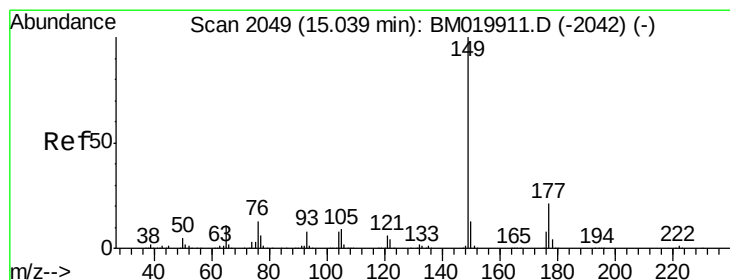
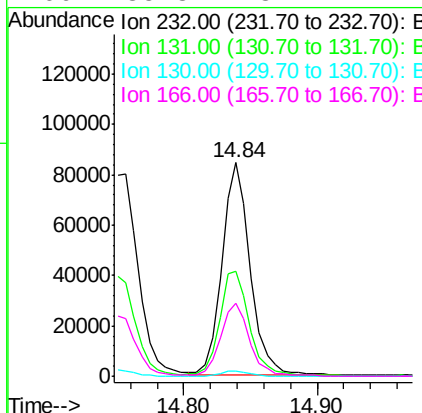
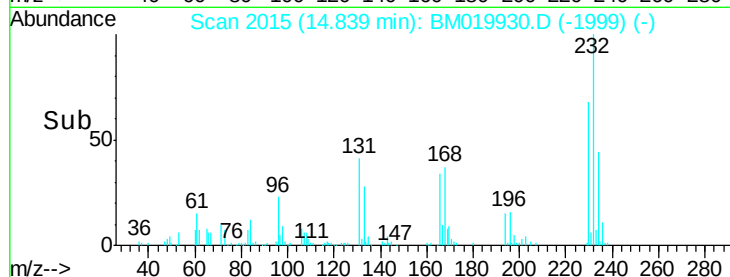
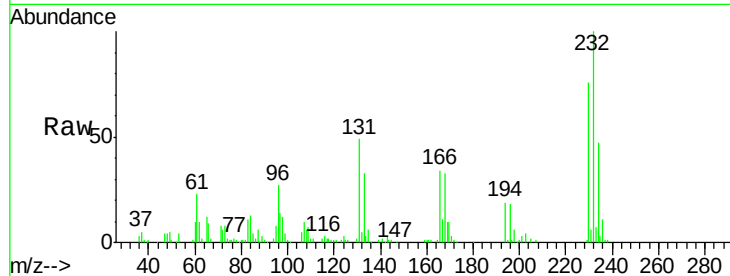
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	123828		
131	51.4	42.1	63.1	
130	2.6	2.2	3.4	
166	35.8	28.1	42.1	

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#60

Diethylphthalate

Concen: 20.441 ng

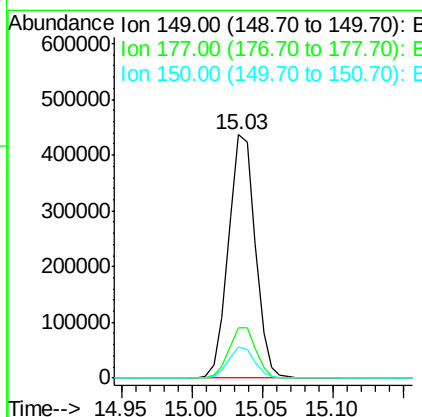
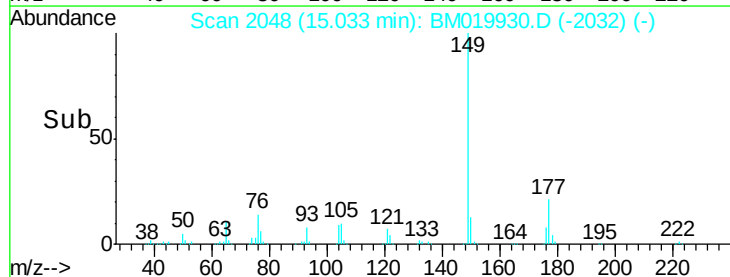
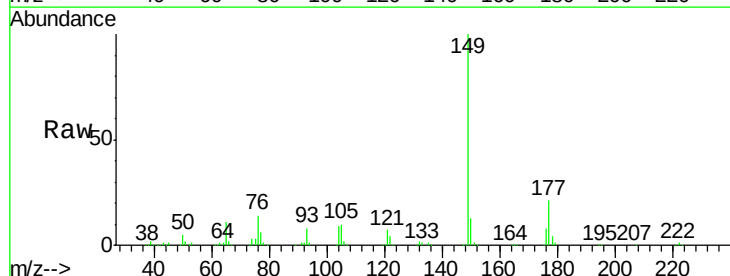
RT: 15.03 min Scan# 2048

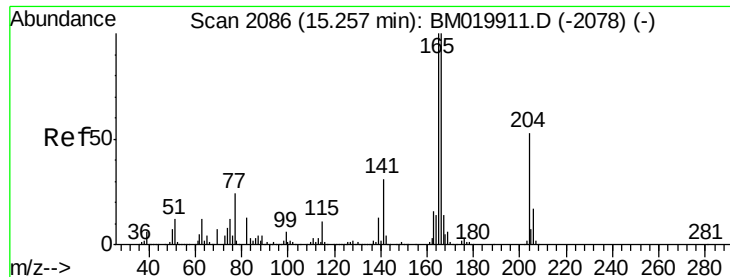
Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	578802		
177	20.7	16.6	25.0	
150	13.0	10.0	15.0	





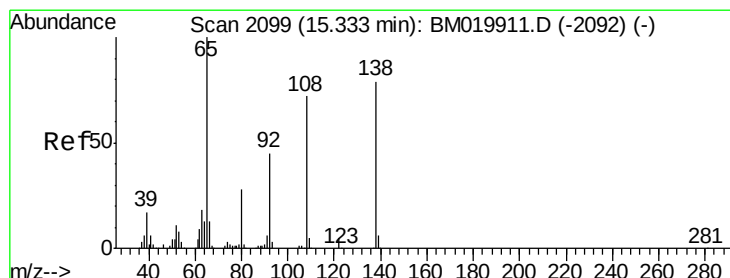
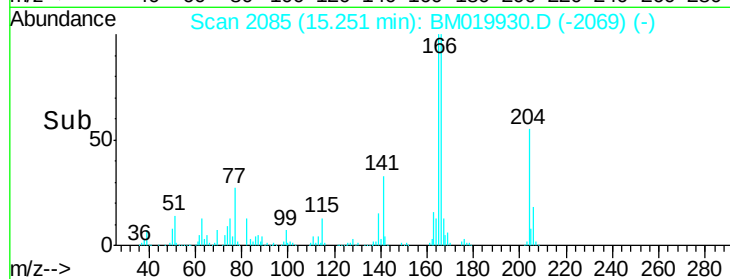
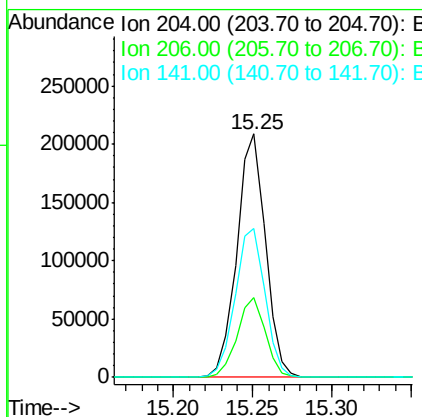
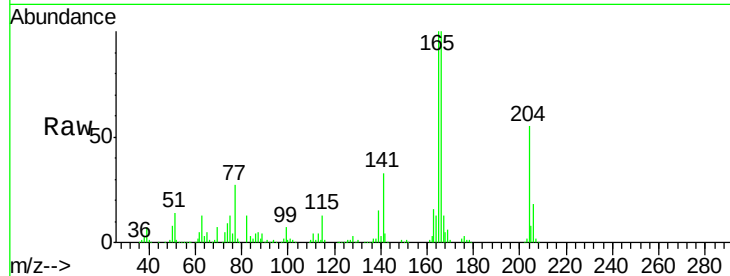
#61
4-Chlorophenyl-phenylether
Concen: 19.908 ng
RT: 15.25 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	261280		
206	32.6	25.8	38.8	
141	61.1	47.0	70.4	

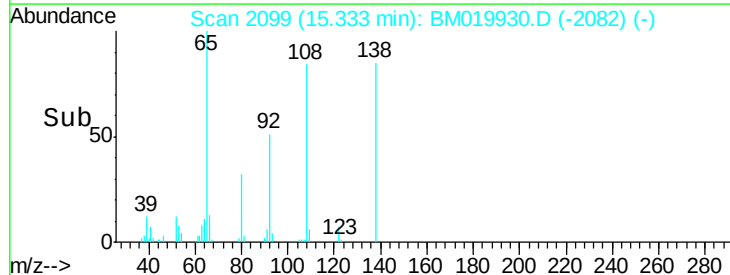
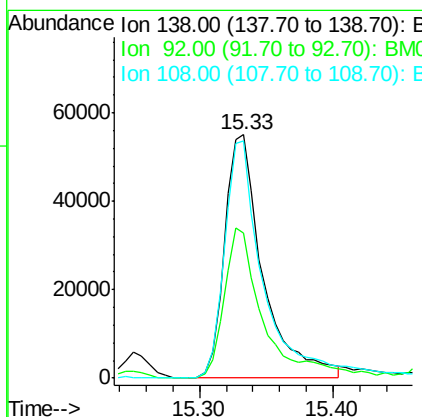
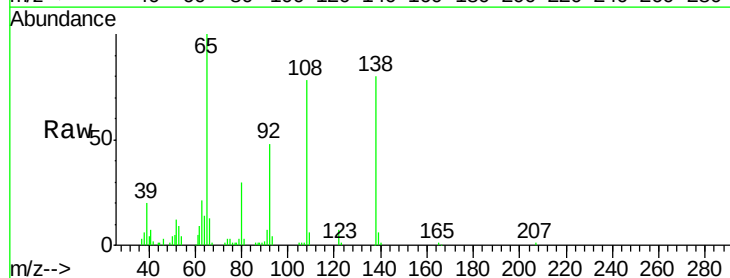
Manual Integrations
APPROVED

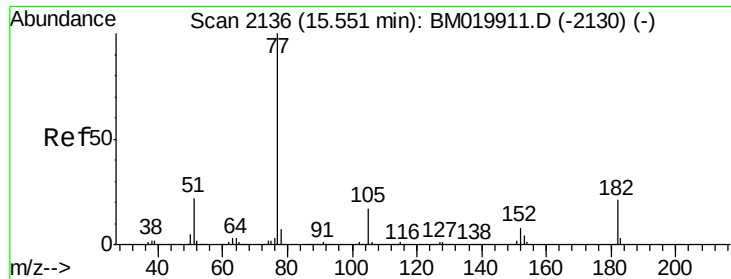
Sohil
4/17/2019 4:05:15 PM



#62
4-Nitroaniline
Concen: 18.682 ng
RT: 15.33 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	110653		
92	59.7	36.8	76.8	
108	97.4	71.5	111.5	





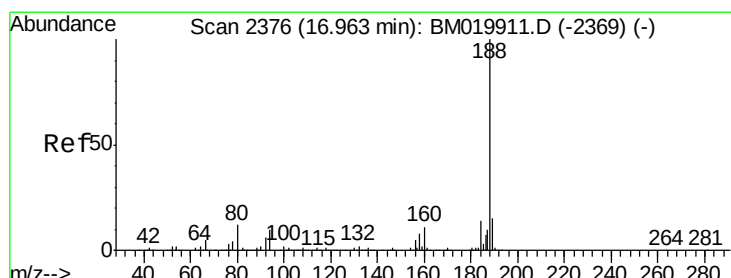
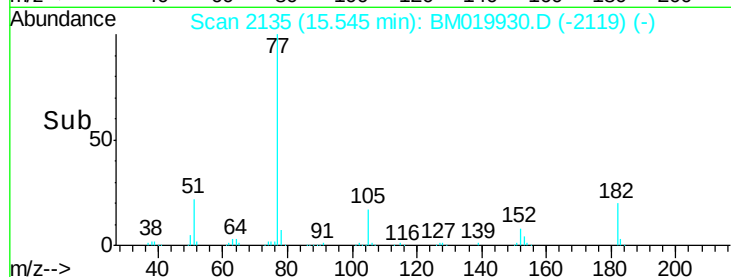
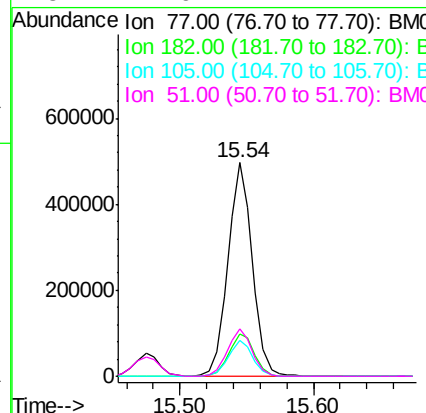
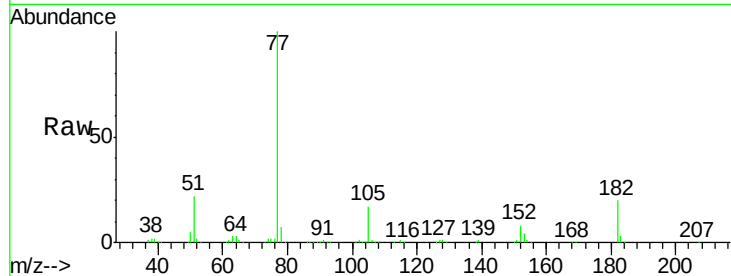
#63
Azobenzene
Concen: 20.904 ng
RT: 15.54 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	632635		
182	20.0	1.0	41.0	
105	17.0	0.0	37.1	
51	21.9	2.1	42.1	

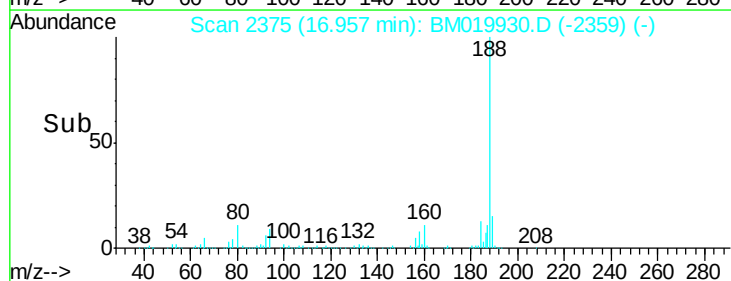
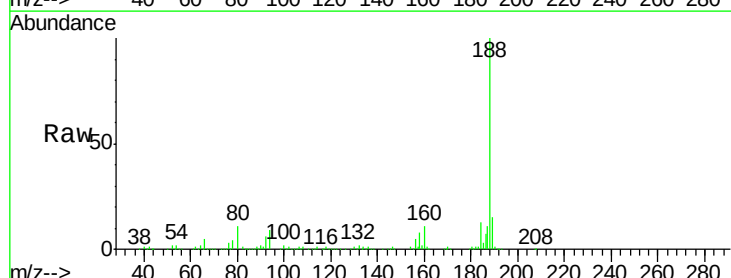
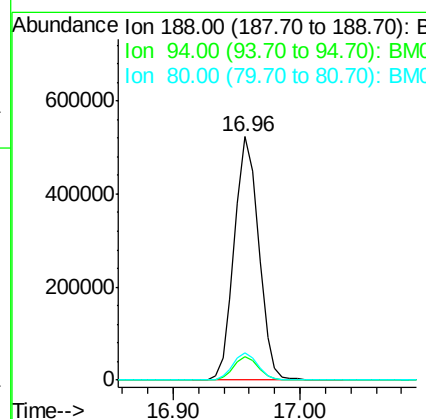
Manual Integrations
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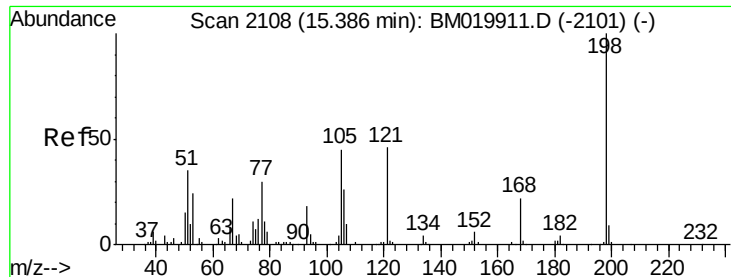
Sohil
4/17/2019 4:05:15 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	697682		
94	9.5	7.6	11.4	
80	11.3	9.4	14.0	





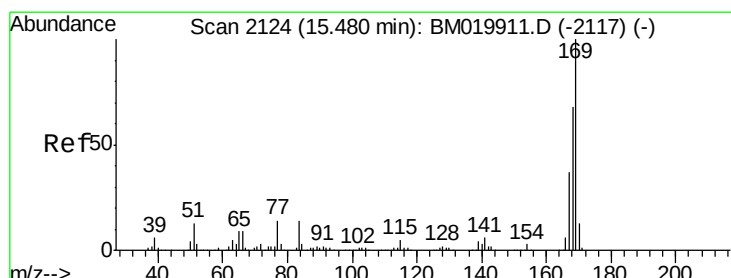
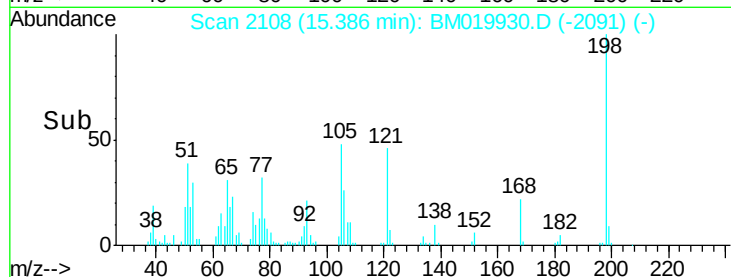
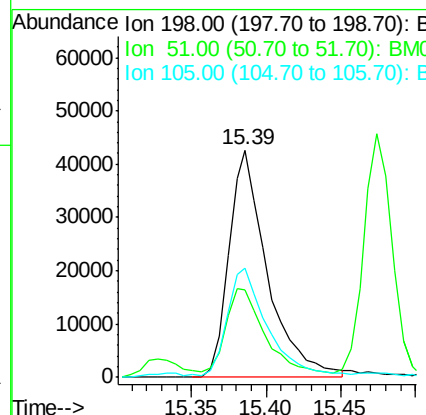
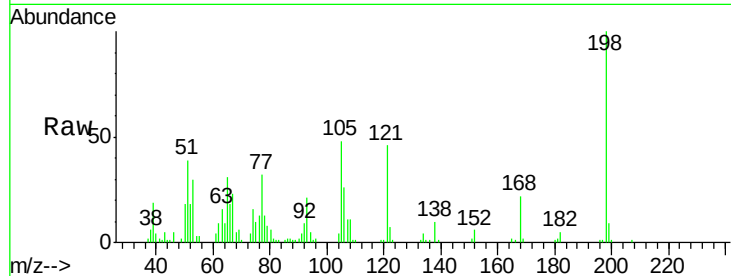
#65
 4,6-Dinitro-2-methylphenol
 Concen: 17.261 ng
 RT: 15.39 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
198	100		
51	38.6	17.9	57.9
105	48.1	26.1	66.1

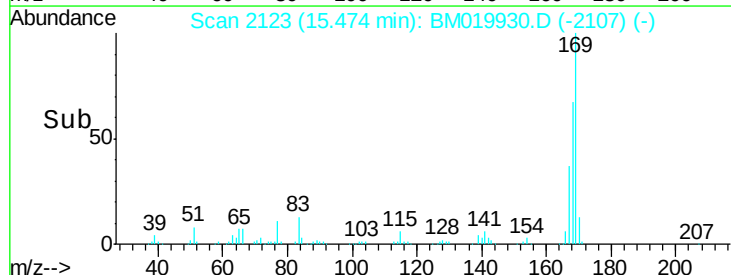
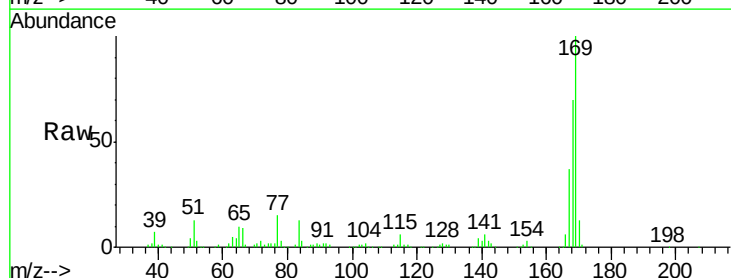
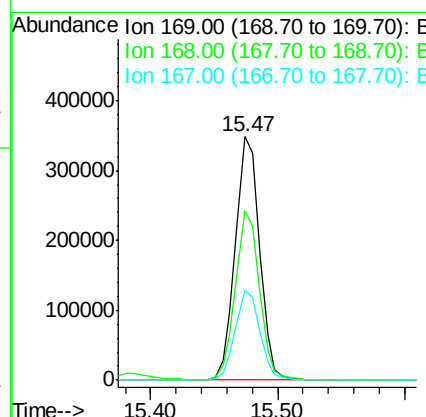
Manual Integrations
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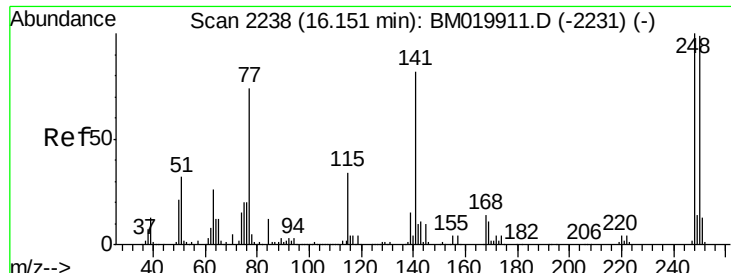
Sohil
 4/17/2019 4:05:15 PM



#66
 n-Nitrosodiphenylamine
 Concen: 20.105 ng
 RT: 15.47 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.5	54.7	82.1
167	36.9	29.4	44.0





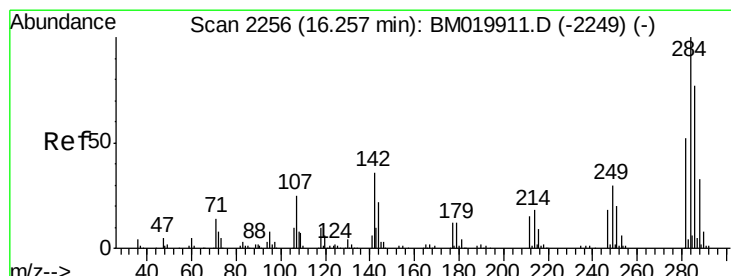
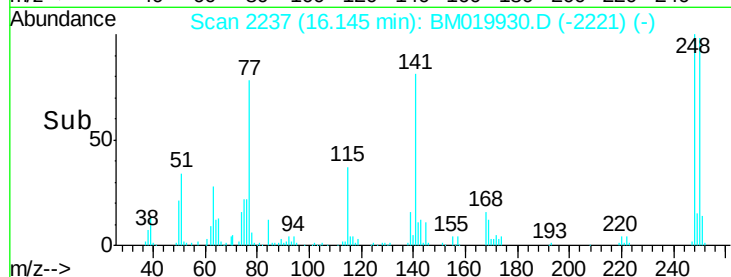
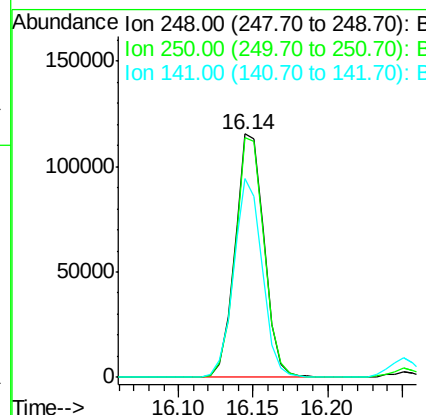
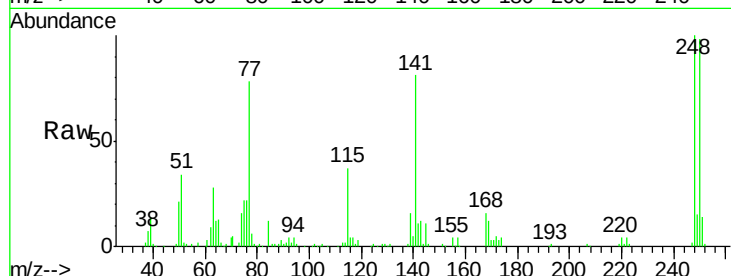
#67
 4-Bromophenyl-phenylether
 Concen: 19.528 ng
 RT: 16.14 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.9	118.3
141	81.5	65.6	98.4

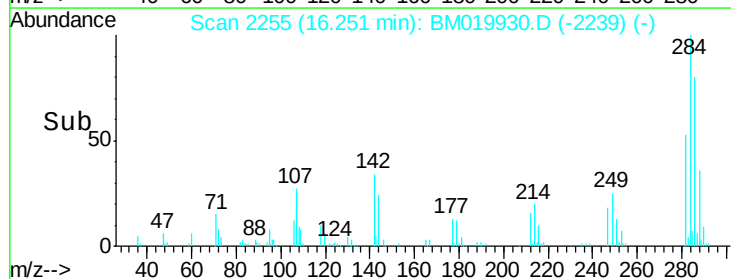
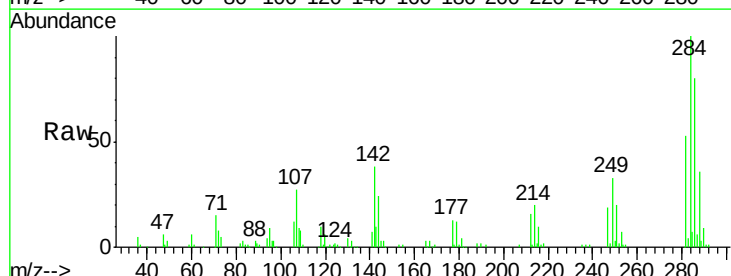
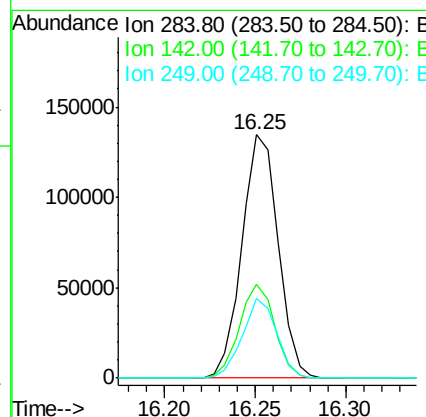
Manual Integrations
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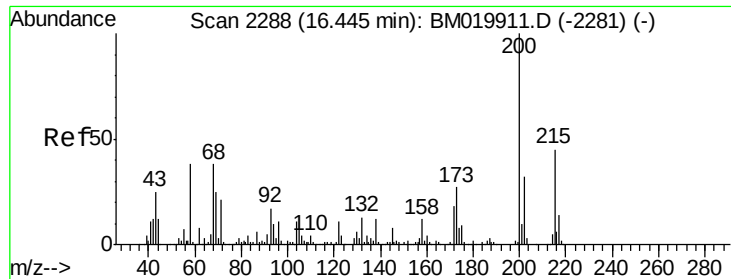
Sohil
 4/17/2019 4:05:15 PM



#68
 Hexachlorobenzene
 Concen: 19.442 ng
 RT: 16.25 min Scan# 2255
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.4	28.9	43.3
249	32.7	23.8	35.6





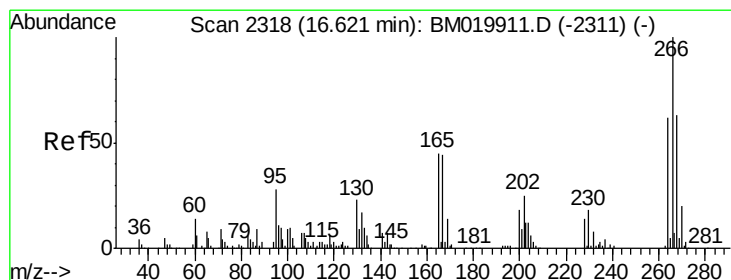
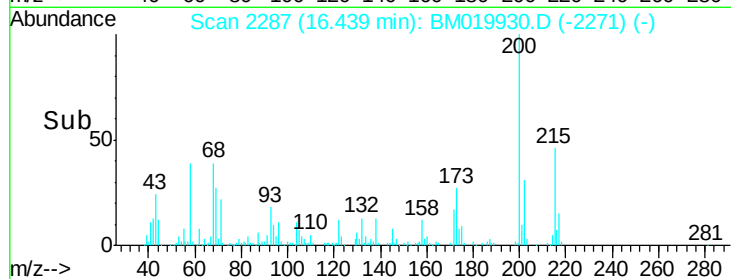
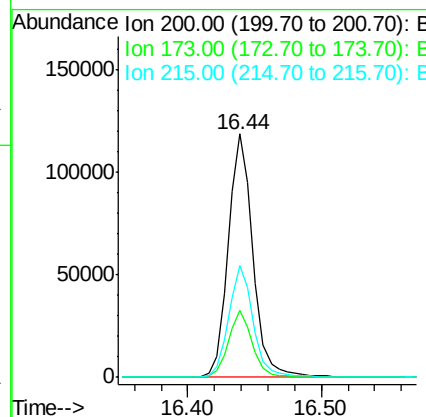
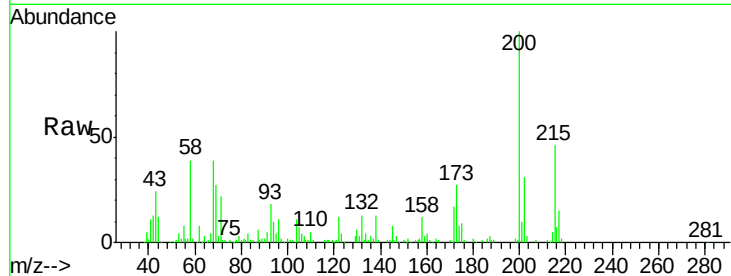
#69
 Atrazine
 Concen: 20.023 ng
 RT: 16.44 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	155038		
173	27.4	7.2	47.2	
215	46.0	25.4	65.4	

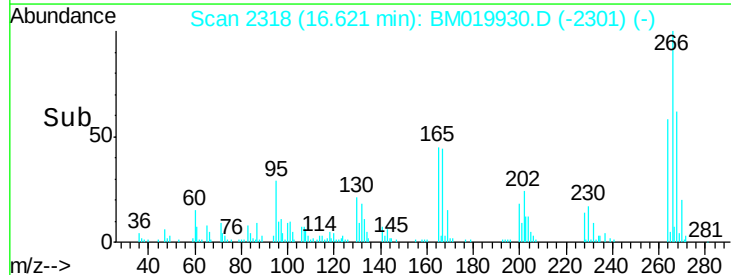
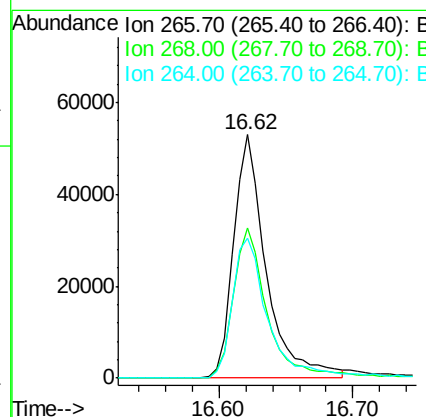
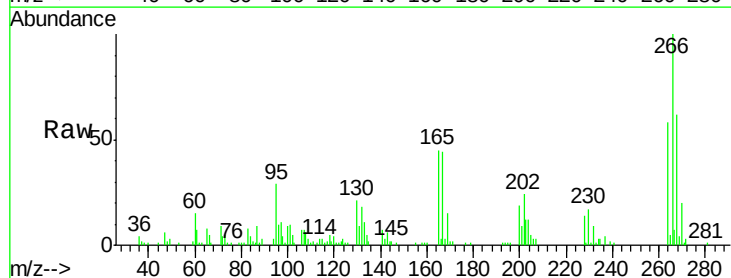
Manual Integrations
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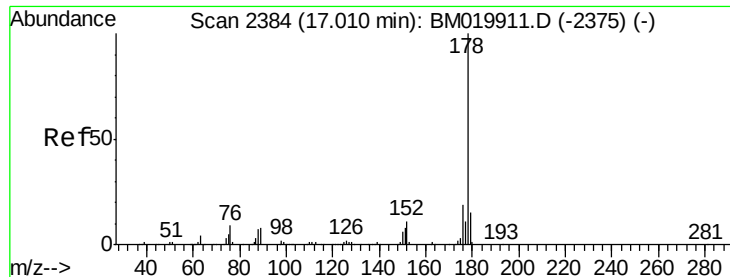
Sohil
 4/17/2019 4:05:15 PM



#70
 Pentachlorophenol
 Concen: 18.429 ng
 RT: 16.62 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	90630		
268	61.5	50.3	75.5	
264	57.7	49.8	74.8	





#71

Phenanthrene

Concen: 19.897 ng

RT: 17.00 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM019930.D

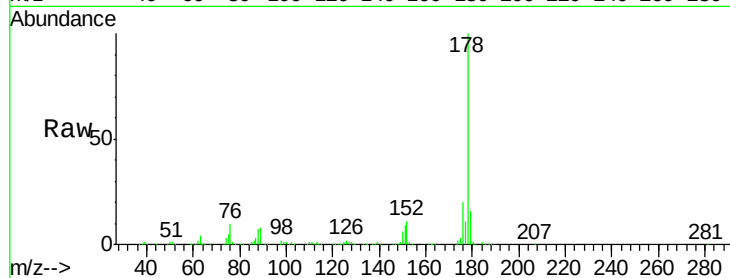
Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

ClientSampleId :

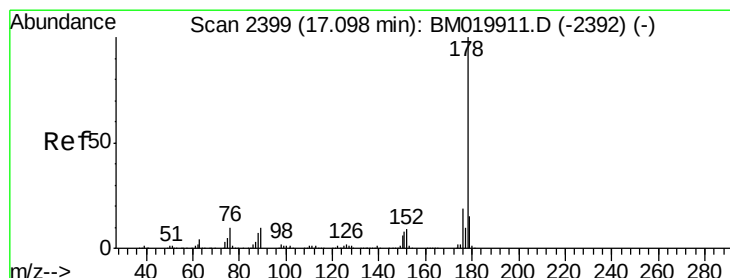
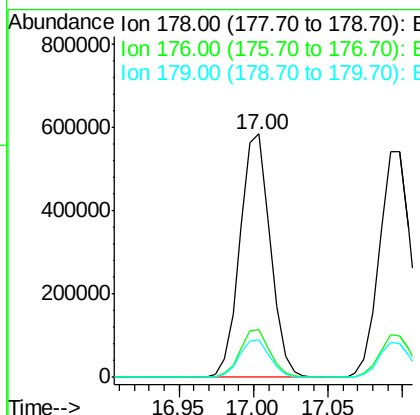
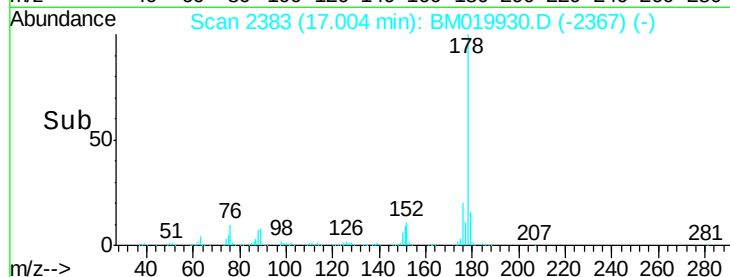
LOQ-SOIL-02-QT1-2019



Tgt Ion:	178	Resp:	823769
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.2	22.8
179	15.5	12.2	18.4

Manual Integrations
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Sohil
4/17/2019 4:05:15 PM



#72

Anthracene

Concen: 19.640 ng

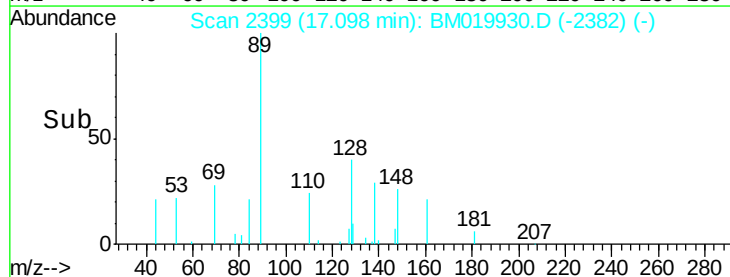
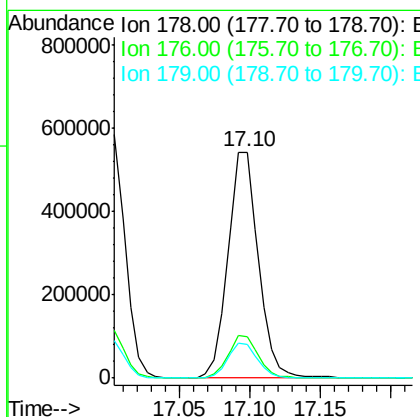
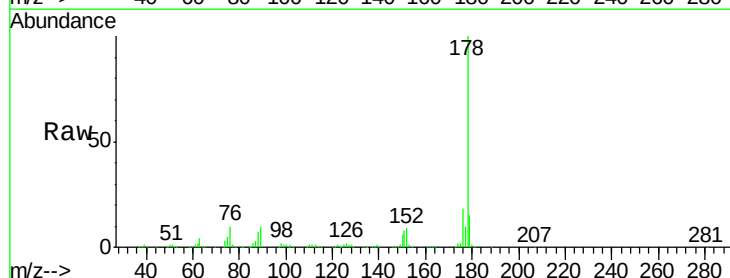
RT: 17.10 min Scan# 2399

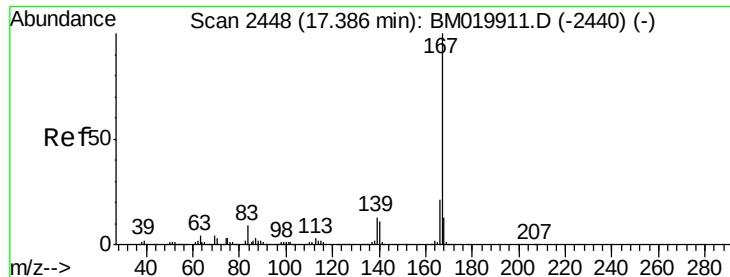
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	178	Resp:	809419
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.4
179	14.7	12.2	18.4





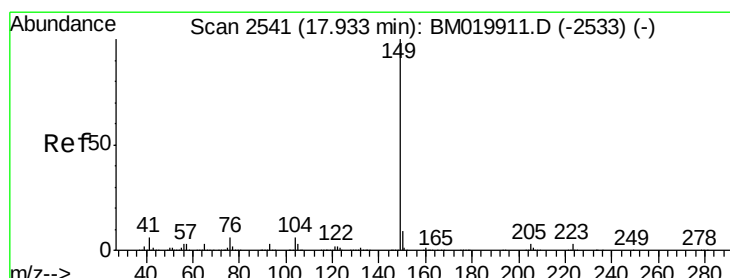
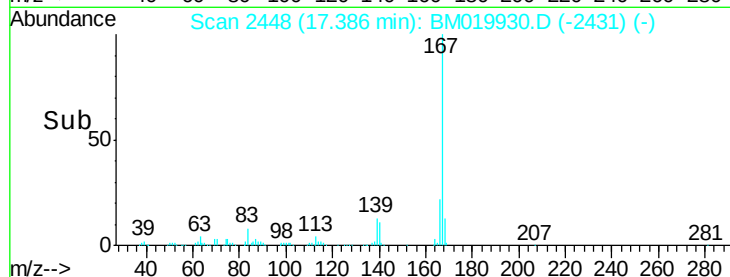
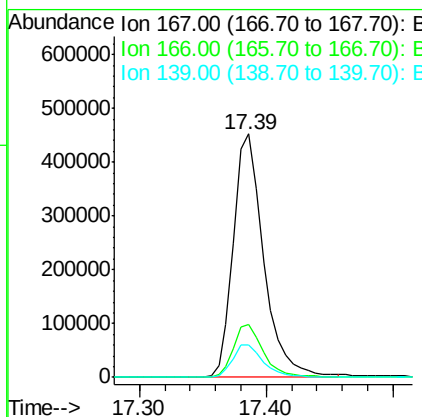
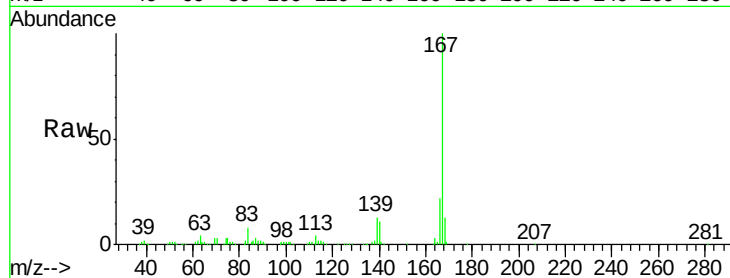
#73
 Carbazole
 Concen: 19.572 ng
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	13.5	10.7	16.1

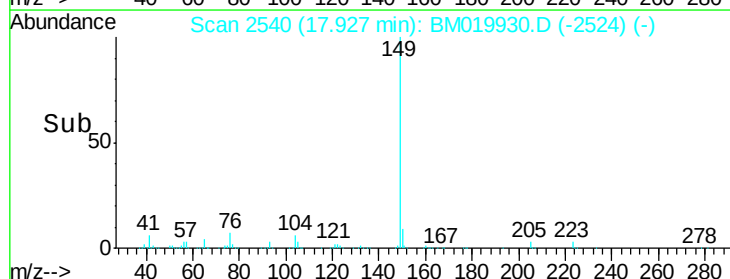
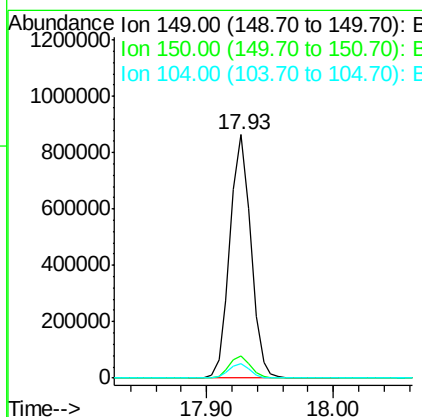
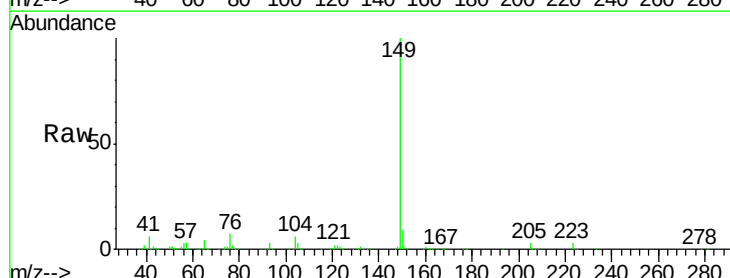
Manual Integrations
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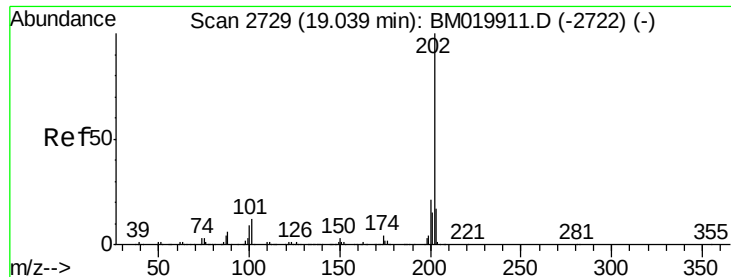
Sohil
 4/17/2019 4:05:15 PM



#74
 Di-n-butylphthalate
 Concen: 19.460 ng
 RT: 17.93 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	6.0	4.6	7.0





#75

Fluoranthene

Concen: 19.616 ng

RT: 19.03 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

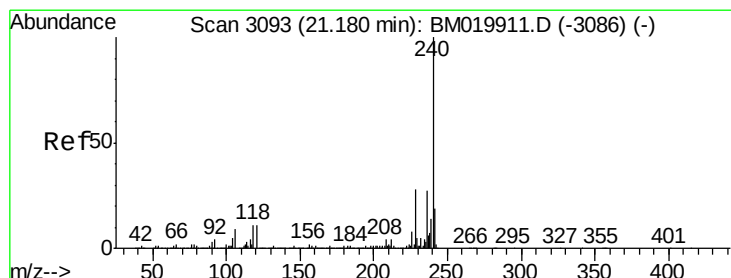
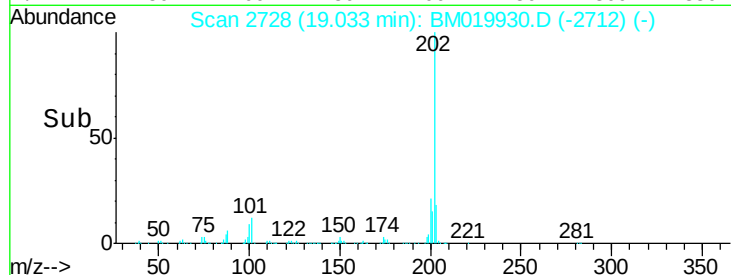
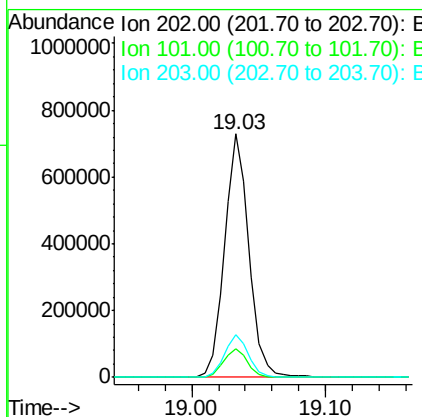
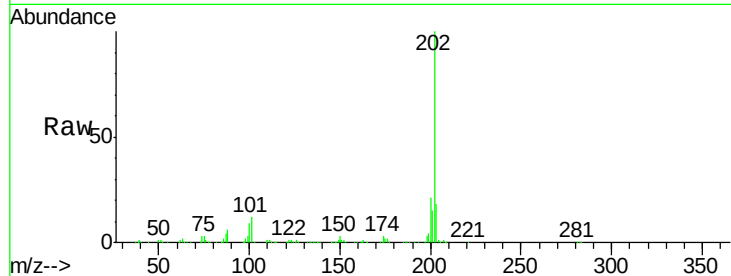
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		934635		
101	11.5	0.0	31.7		
203	17.6	0.0	37.4		

Manual Integrations
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4/17/2019 4:05:15 PM



#76

Chrysene-d12

Concen: 20.000 ng

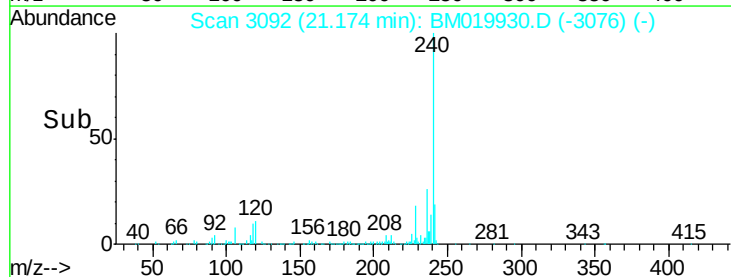
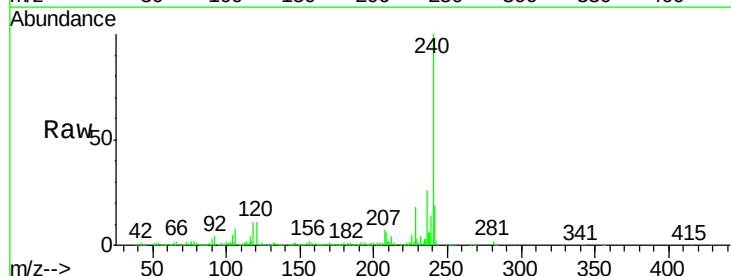
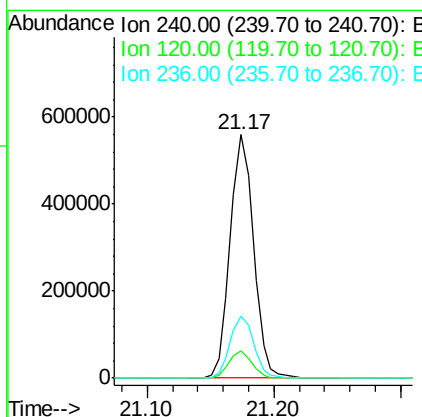
RT: 21.17 min Scan# 3092

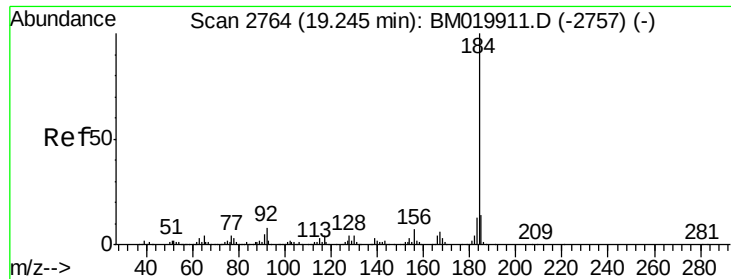
Delta R.T. -0.01 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		716688		
120	11.4	8.6	13.0		
236	25.6	21.4	32.2		





#77

Benzidine

Concen: 16.425 ng

RT: 19.24 min Scan# 2764

Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Instrument :

BNA_M

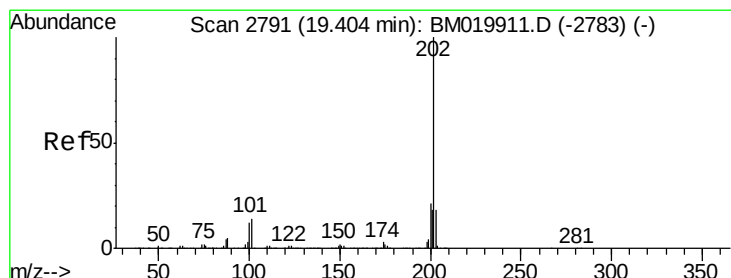
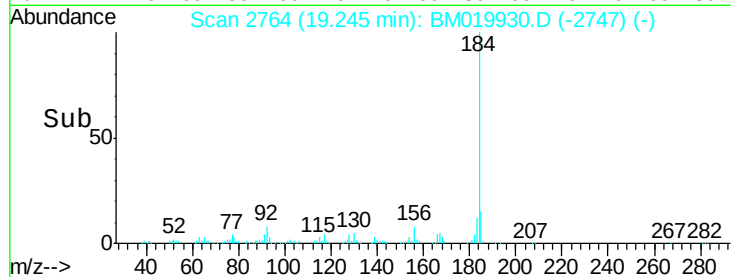
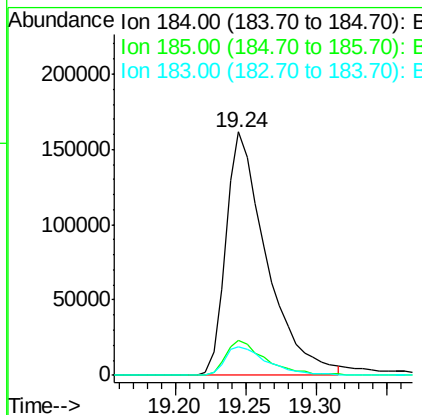
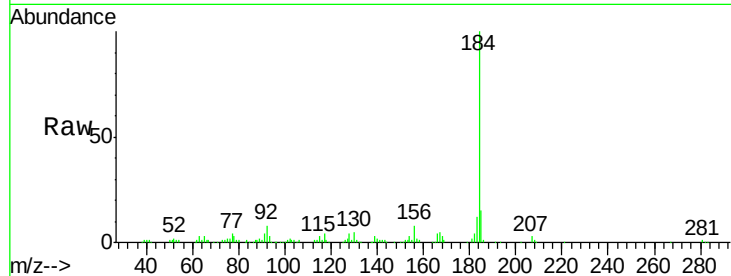
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	184	Resp:	324800
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.0	16.6
183	11.7	10.1	15.1

Manual Integrations
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Sohil
4/17/2019 4:05:15 PM



#78

Pyrene

Concen: 20.388 ng

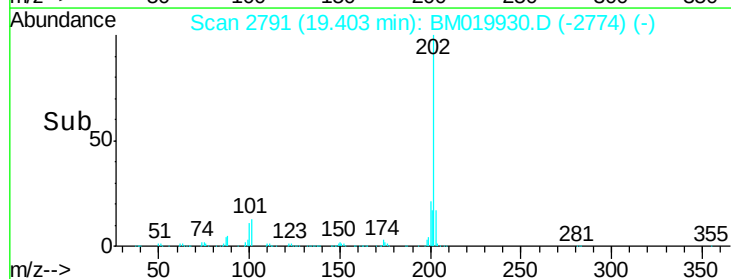
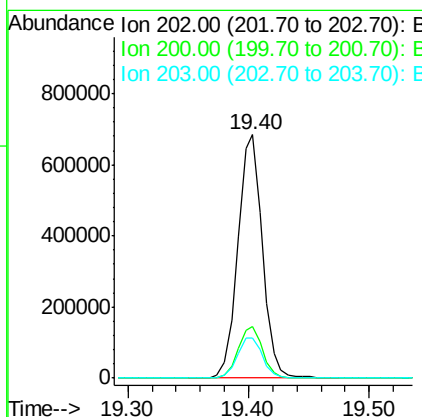
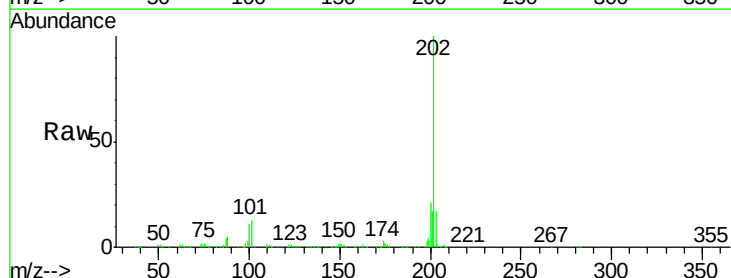
RT: 19.40 min Scan# 2791

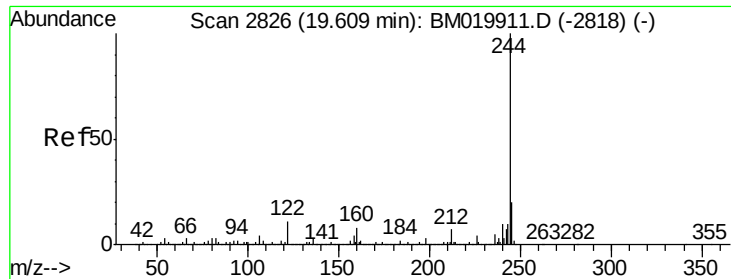
Delta R.T. -0.00 min

Lab File: BM019930.D

Acq: 16 Apr 2019 12:58

Tgt Ion:	202	Resp:	967648
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	16.7	14.0	21.0





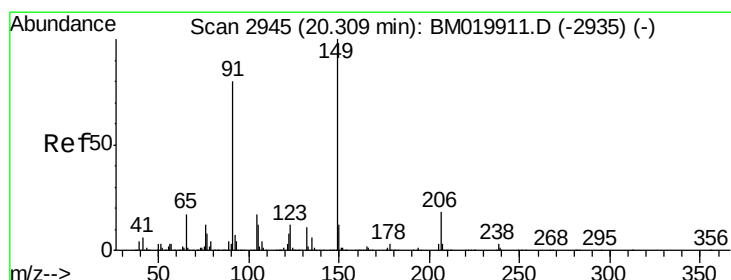
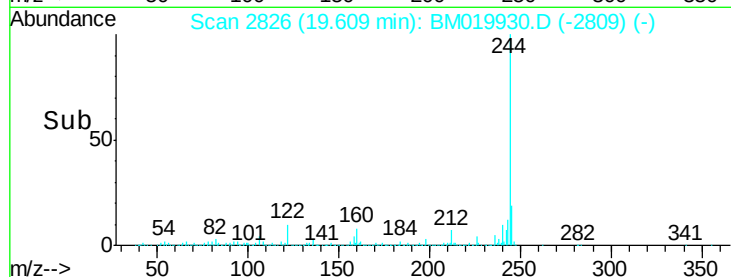
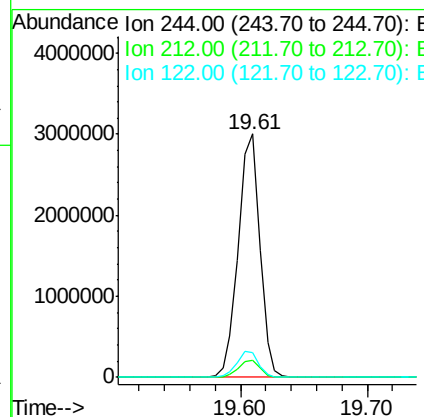
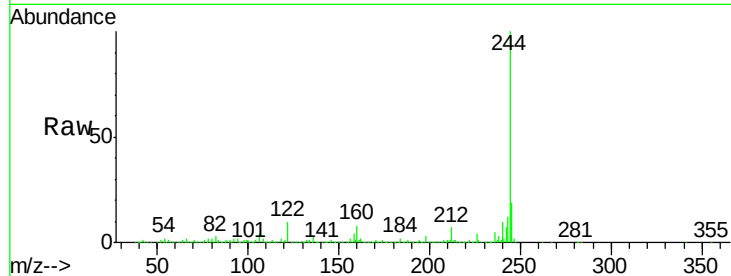
#79
 Terphenyl-d14
 Concen: 86.708 ng
 RT: 19.61 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.3	9.1	13.7

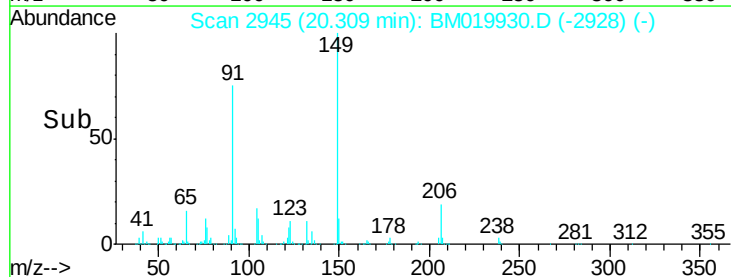
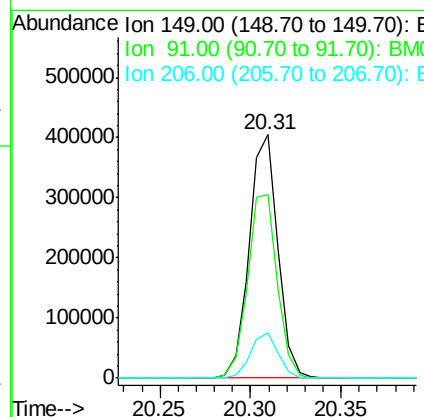
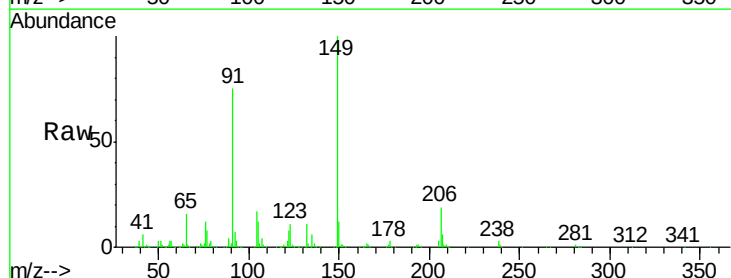
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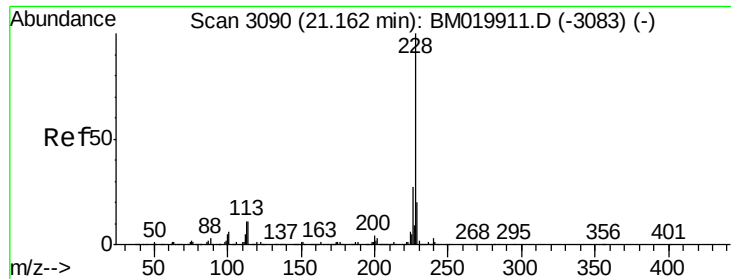
Sohil
 4/17/2019 4:05:15 PM



#80
 Butylbenzylphthalate
 Concen: 19.294 ng
 RT: 20.31 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.1	63.7	95.5
206	18.8	14.6	21.8





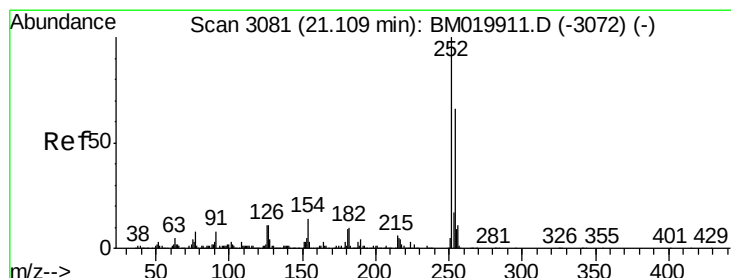
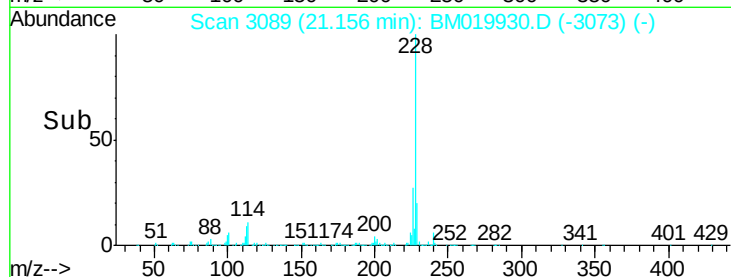
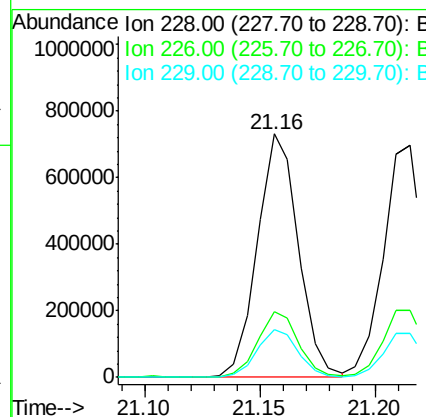
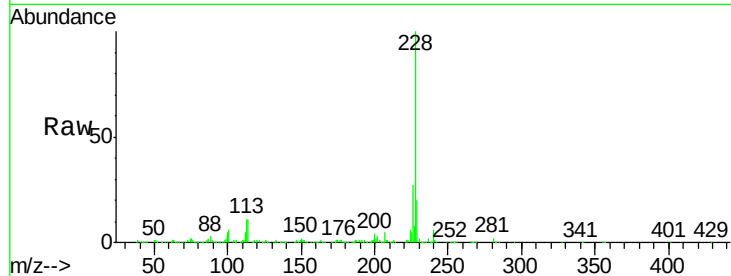
#81
Benzo(a)anthracene
Concen: 19.915 ng
RT: 21.16 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.6
229	19.6	15.9	23.9

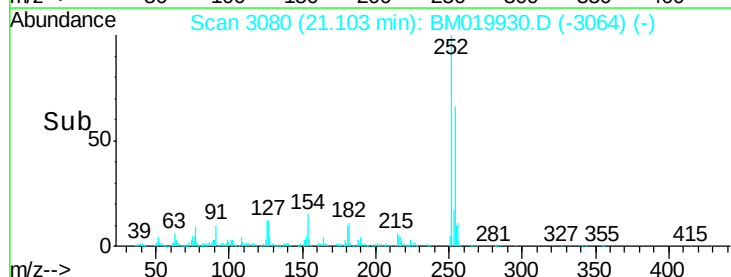
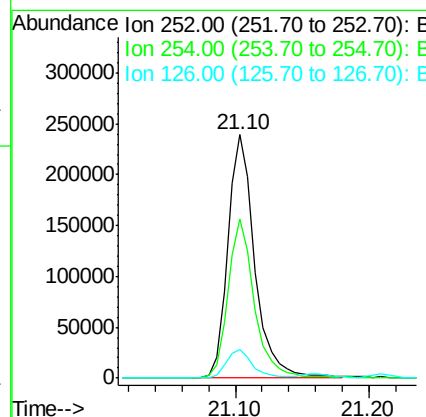
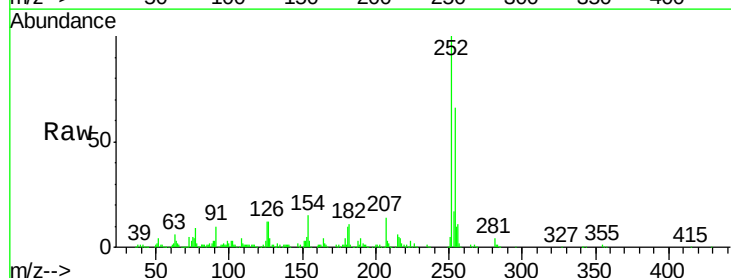
Manual Integrations
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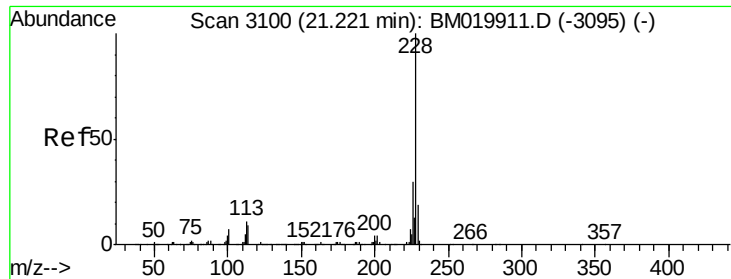
Sohil
4/17/2019 4:05:15 PM



#82
3,3'-Dichlorobenzidine
Concen: 20.049 ng
RT: 21.10 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.6	52.6	78.8
126	11.6	8.6	12.8





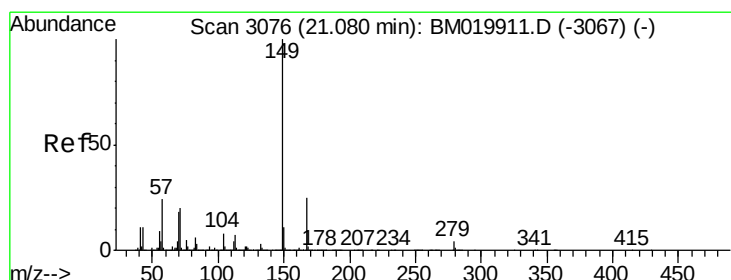
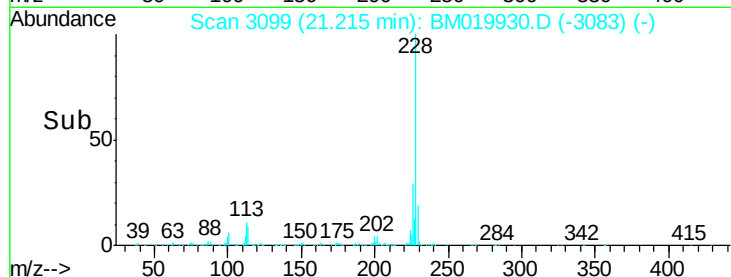
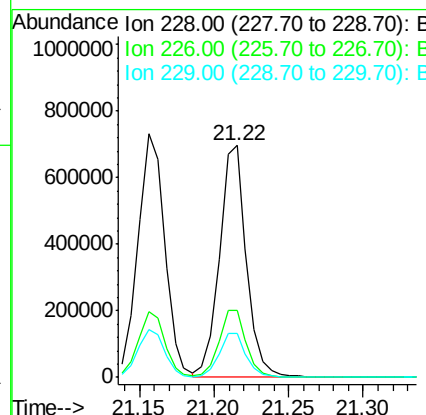
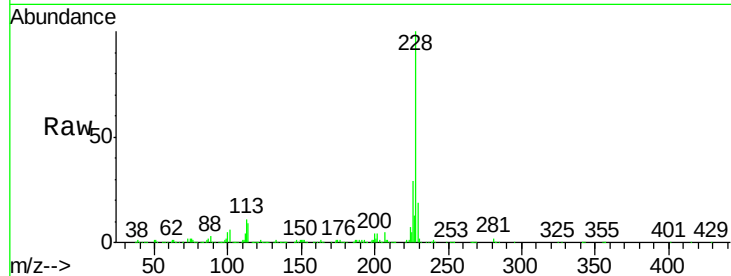
#83
Chrysene
 Concen: 20.157 ng
 RT: 21.22 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.2	15.6	23.4

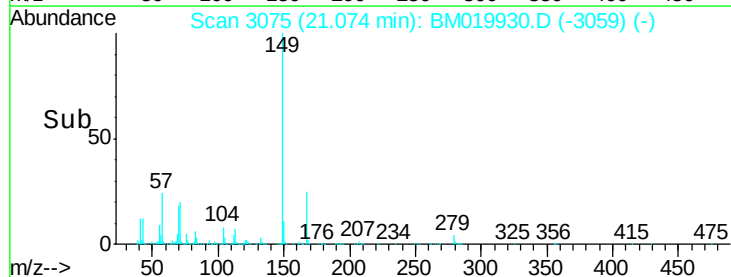
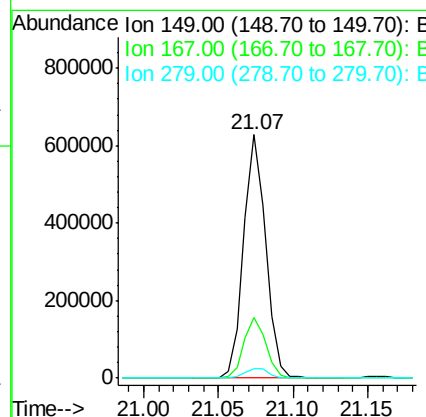
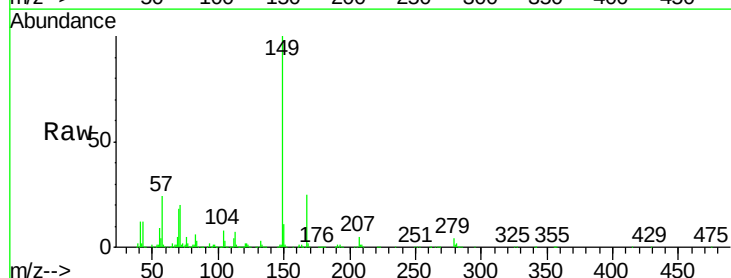
Manual Integrations
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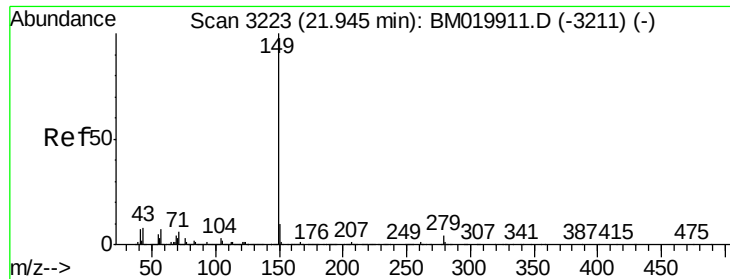
Sohil
 4/17/2019 4:05:15 PM



#84
Bis(2-ethylhexyl)phthalate
 Concen: 18.875 ng
 RT: 21.07 min Scan# 3075
 Delta R.T. -0.01 min
 Lab File: BM019930.D
 Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.3	30.5
279	3.9	3.4	5.2





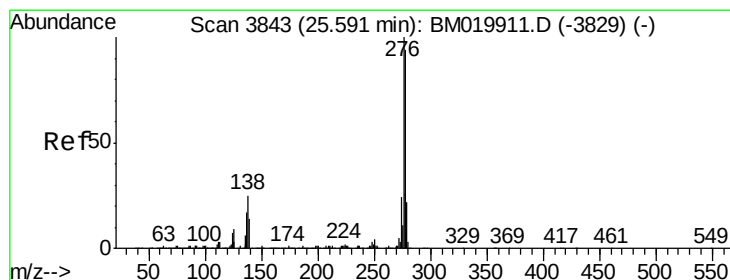
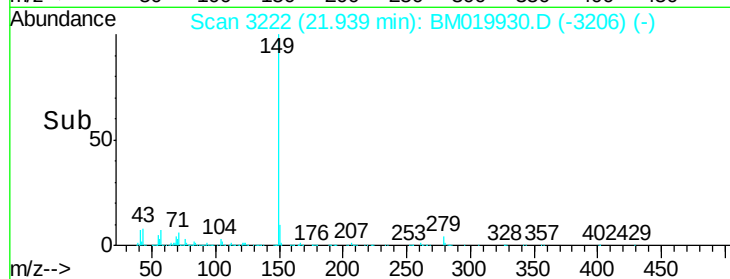
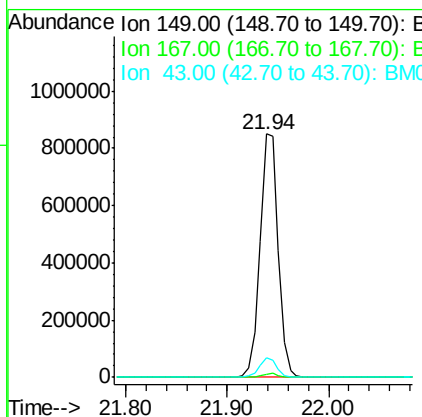
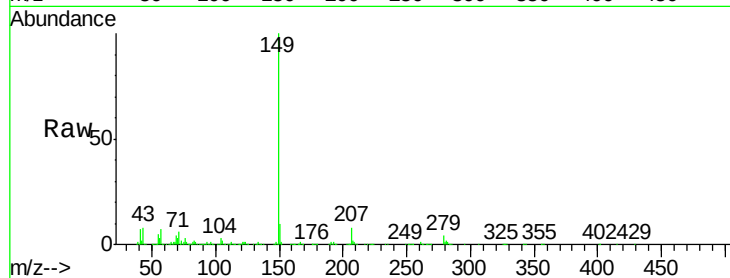
#85
Di-n-octyl phthalate
Concen: 18.789 ng
RT: 21.94 min Scan# 3222
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.7	6.0	9.0

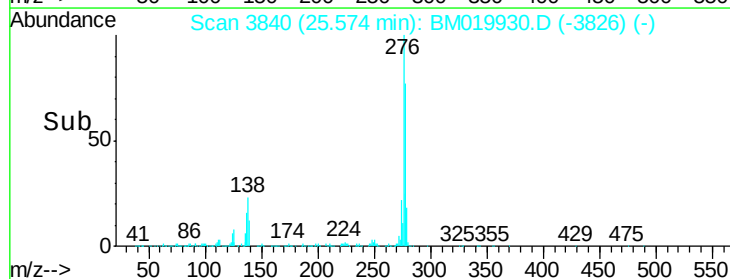
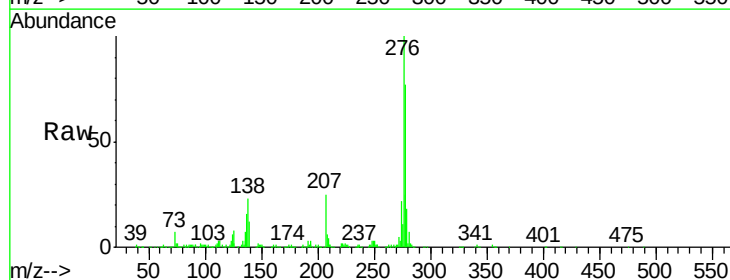
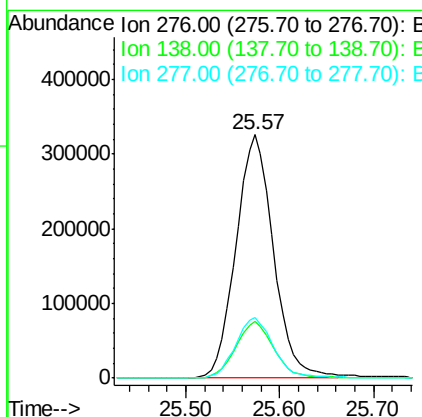
Manual Integrations
APPROVED

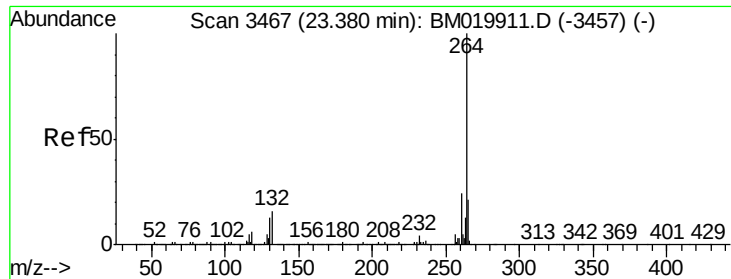
Sohil
4/17/2019 4:05:15 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 21.052 ng
RT: 25.57 min Scan# 3840
Delta R.T. -0.02 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.0	28.6
277	24.9	20.3	30.5





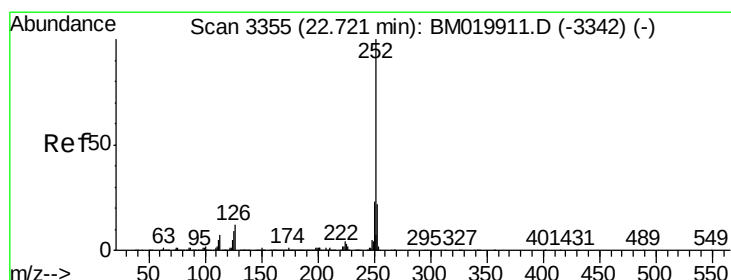
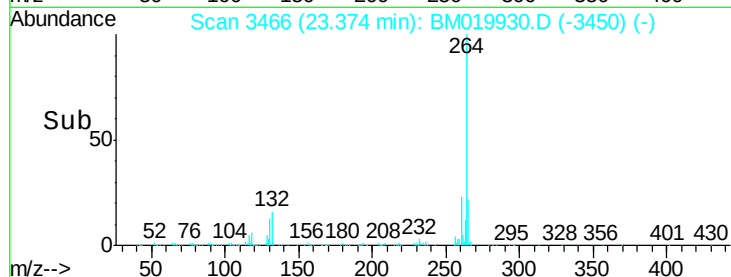
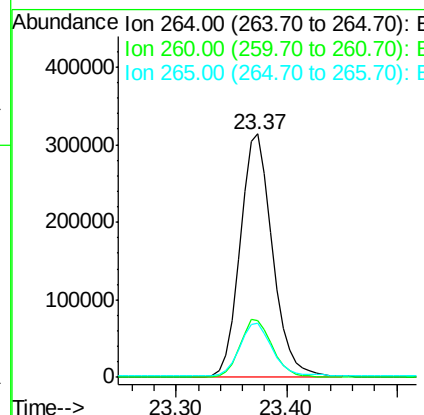
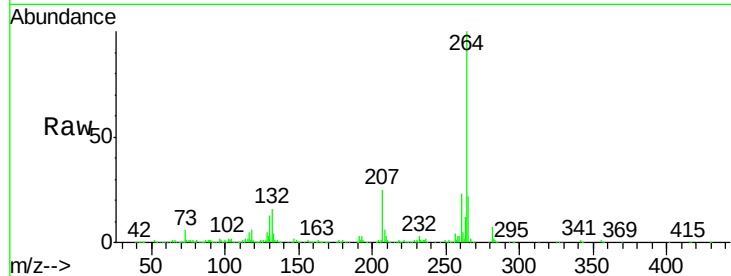
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	649160		
260	23.3	19.2	28.8	
265	22.5	17.2	25.8	

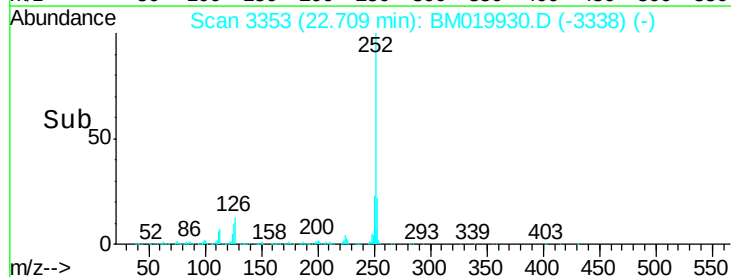
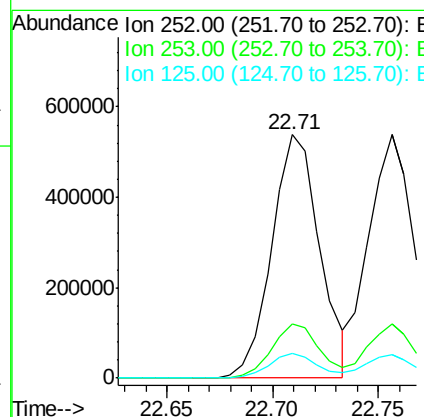
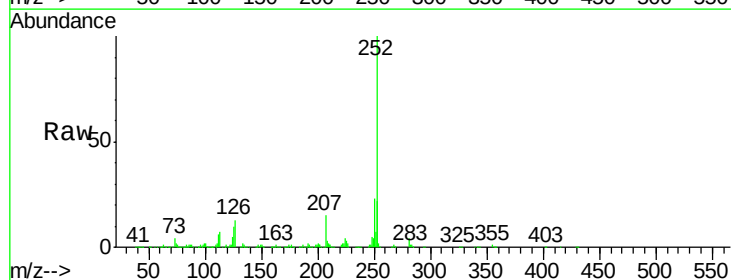
Manual Integrations
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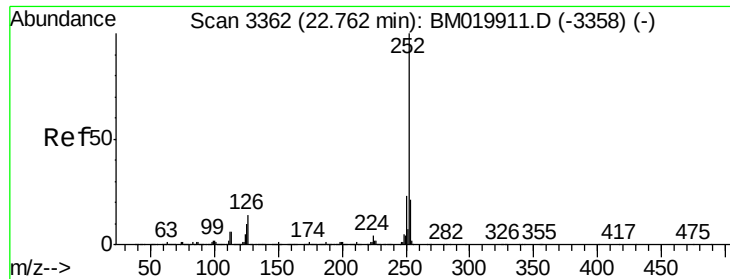
Sohil
4/17/2019 4:05:15 PM



#88
Benzo(b)fluoranthene
Concen: 19.739 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	850835		
253	22.1	17.5	26.3	
125	10.0	7.6	11.4	





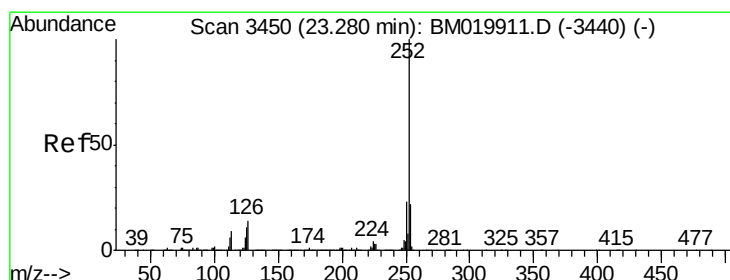
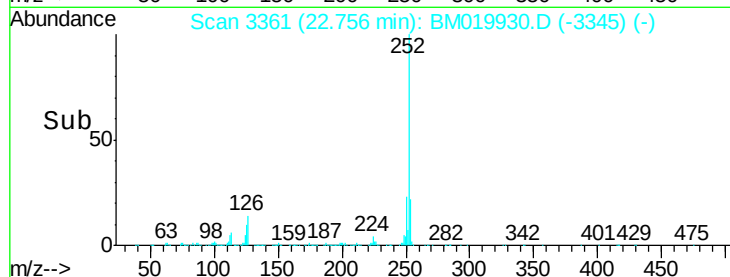
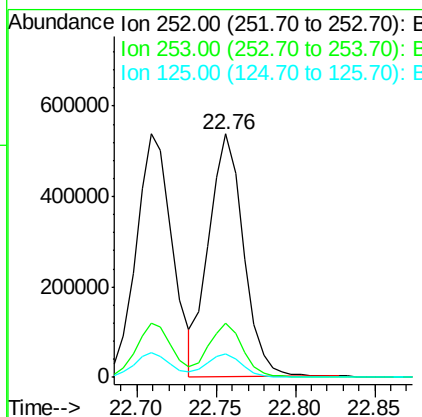
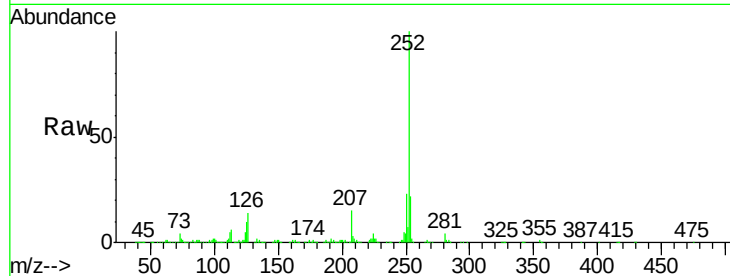
#89
Benzo(k)fluoranthene
Concen: 20.216 ng
RT: 22.76 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.8	8.2	12.4

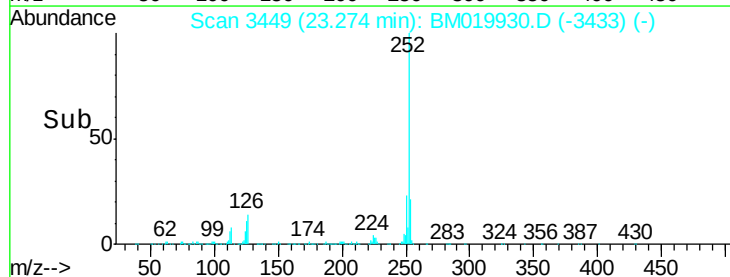
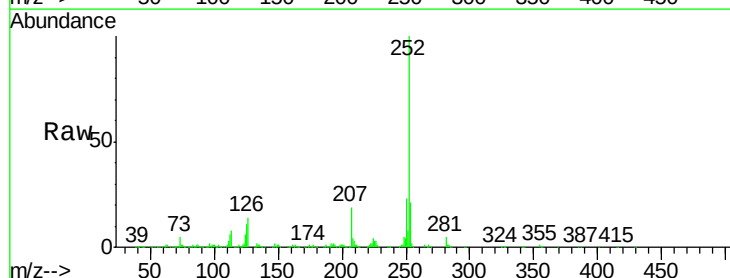
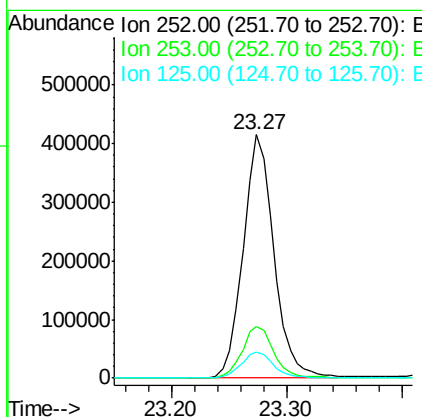
Manual Integrations
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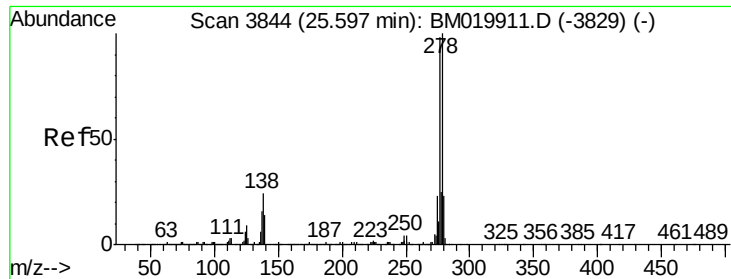
Sohil
4/17/2019 4:05:15 PM



#90
Benzo(a)pyrene
Concen: 20.083 ng
RT: 23.27 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	10.7	9.1	13.7





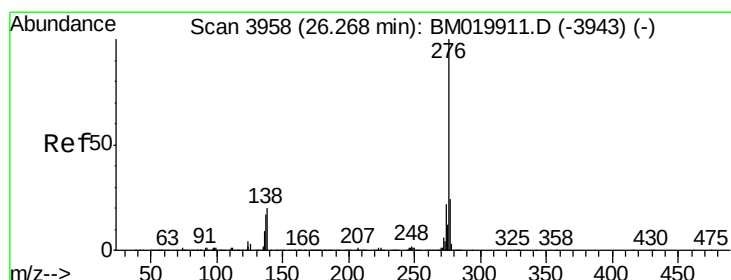
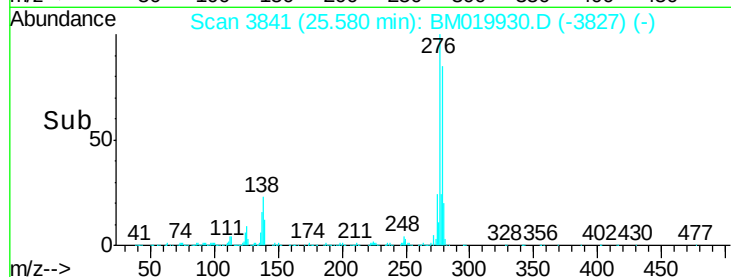
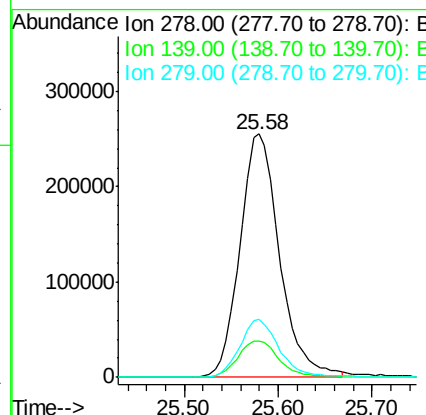
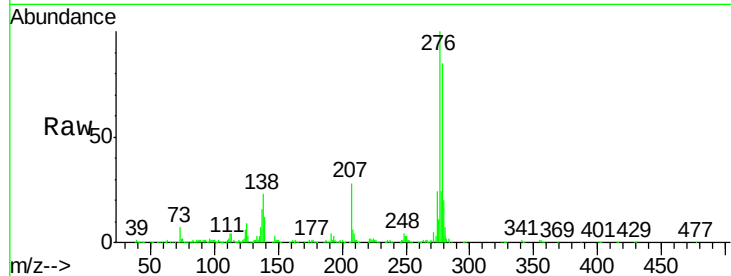
#91
Dibenzo(a,h)anthracene
Concen: 20.249 ng
RT: 25.58 min Scan# 3841
Delta R.T. -0.02 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.6	17.4
279	23.8	18.4	27.6

Manual Integrations
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4/17/2019 4:05:15 PM



#92
Benzo(g,h,i)perylene
Concen: 20.951 ng
RT: 26.26 min Scan# 3956
Delta R.T. -0.01 min
Lab File: BM019930.D
Acq: 16 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	20.0	16.2	24.4

