

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041519\
 Data File : BM019919.D
 Acq On : 15 Apr 2019 18:35
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Manual Integrations
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 4/16/2019 5:25:46 PM

Quant Time: Apr 16 03:31:07 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	111173	20.00	ng	0.00
21) Naphthalene-d8	10.31	136	497739	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	302366	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	666579	20.00	ng	0.00
76) Chrysene-d12	21.17	240	681723	20.00	ng	0.00
87) Perylene-d12	23.37	264	636892	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	909342	132.56	ng	0.00
7) Phenol-d6	6.72	99	1326454	128.48	ng	0.00
23) Nitrobenzene-d5	8.70	82	929260	83.49	ng	0.00
42) 2,4,6-Tribromophenol	15.71	330	682339	140.19	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	2036799	83.95	ng	0.00
79) Terphenyl-d14	19.61	244	3388231	87.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.12	88	47658	16.099	ng	98
3) Pyridine	3.53	79	136251	16.435	ng	97
4) n-Nitrosodimethylamine	3.46	42	38548	14.434	ng	# 99
6) Aniline	6.88	93	201825	15.136	ng	99
8) 2-Chlorophenol	7.10	128	131128	15.369	ng	98
9) Benzaldehyde	6.70	77	122143	17.351	ng	99
10) Phenol	6.75	94	174254	15.449	ng	94
11) bis(2-Chloroethyl)ether	6.98	93	128107	15.523	ng	100
12) 1,3-Dichlorobenzene	7.42	146	140863	15.727	ng	97
13) 1,4-Dichlorobenzene	7.56	146	141637	15.585	ng	96
14) 1,2-Dichlorobenzene	7.88	146	139225	15.451	ng	100
15) Benzyl Alcohol	7.80	79	144458	15.392	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.05	45	123604	15.711	ng	99
17) 2-Methylphenol	7.99	107	110575	14.812	ng	98
18) Hexachloroethane	8.58	117	54151	15.329	ng	98
19) n-Nitroso-di-n-propylamine	8.34	70	134756	14.849	ng	98
20) 3+4-Methylphenols	8.33	107	148041	14.436	ng	98
22) Acetophenone	8.37	105	216825	15.994	ng	97
24) Nitrobenzene	8.75	77	194397	16.861	ng	100
25) Isophorone	9.26	82	347394	16.034	ng	99
26) 2-Nitrophenol	9.45	139	74792	15.222	ng	97
27) 2,4-Dimethylphenol	9.51	122	102797	14.797	ng	99
28) bis(2-Chloroethoxy)methane	9.75	93	190948	15.739	ng	98
29) 2,4-Dichlorophenol	9.99	162	120730	15.302	ng	99
30) 1,2,4-Trichlorobenzene	10.18	180	138377	16.295	ng	99
31) Naphthalene	10.36	128	435516	16.313	ng	99
32) Benzoic acid	9.67	122	78336m	15.779	ng	
33) 4-Chloroaniline	10.51	127	167825	15.259	ng	99
34) Hexachlorobutadiene	10.61	225	81480	16.269	ng	99
35) Caprolactam	11.33	113	42970	14.388	ng	87
36) 4-Chloro-3-methylphenol	11.64	107	155140	15.825	ng	97
37) 2-Methylnaphthalene	11.99	142	314668	16.189	ng	98
38) 1-Methylnaphthalene	12.20	142	311436	16.228	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.36	216	146883	15.747	ng	99

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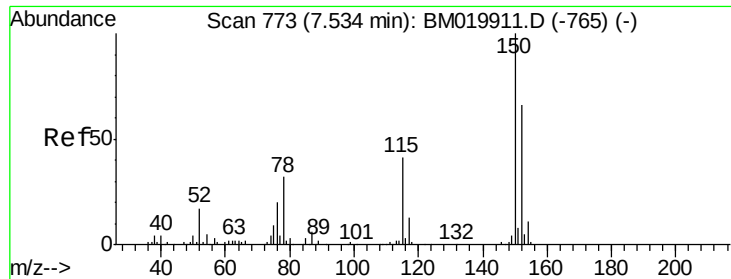
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.31	237	18387	16.420	ng	95
43) 2,4,6-Trichlorophenol	12.63	196	98798	15.623	ng	99
44) 2,4,5-Trichlorophenol	12.71	196	96155	14.609	ng	99
46) 1,1'-Biphenyl	13.02	154	426143	16.272	ng	99
47) 2-Chloronaphthalene	13.06	162	325140	16.276	ng	99
48) 2-Nitroaniline	13.31	65	110084	15.289	ng	97
49) Acenaphthylene	13.92	152	557452	16.039	ng	99
50) Dimethylphthalate	13.67	163	437048	16.387	ng	100
51) 2,6-Dinitrotoluene	13.80	165	94721	16.061	ng	88
52) Acenaphthene	14.26	154	312372	16.209	ng	99
53) 3-Nitroaniline	14.15	138	89879	15.262	ng	98
54) 2,4-Dinitrophenol	14.39	184	33487	16.098	ng	91
55) Dibenzofuran	14.60	168	507879	16.116	ng	99
56) 4-Nitrophenol	14.49	139	51248	16.081	ng	98
57) 2,4-Dinitrotoluene	14.62	165	127679	15.061	ng	# 98
58) Fluorene	15.26	166	416229	15.587	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.84	232	94972	15.814	ng	98
60) Diethylphthalate	15.04	149	448060	16.153	ng	99
61) 4-Chlorophenyl-phenylether	15.25	204	199317	15.503	ng	94
62) 4-Nitroaniline	15.33	138	81602	14.064	ng	96
63) Azobenzene	15.55	77	482712	16.282	ng	98
65) 4,6-Dinitro-2-methylphenol	15.39	198	57930	13.621	ng	98
66) n-Nitrosodiphenylamine	15.48	169	349482	16.037	ng	99
67) 4-Bromophenyl-phenylether	16.15	248	122441	15.977	ng	98
68) Hexachlorobenzene	16.26	284	147030	15.989	ng	99
69) Atrazine	16.44	200	125273	16.934	ng	99
70) Pentachlorophenol	16.63	266	66343	14.120	ng	99
71) Phenanthrene	17.00	178	638953	16.153	ng	100
72) Anthracene	17.10	178	622816	15.817	ng	99
73) Carbazole	17.39	167	578471	15.735	ng	99
74) Di-n-butylphthalate	17.93	149	740966	15.347	ng	100
75) Fluoranthene	19.03	202	718609	15.786	ng	99
77) Benzidine	19.25	184	249533	13.266	ng	98
78) Pyrene	19.40	202	739411	16.378	ng	99
80) Butylbenzylphthalate	20.31	149	341438	15.600	ng	98
81) Benzo(a)anthracene	21.16	228	701288	16.239	ng	99
82) 3,3'-Dichlorobenzidine	21.10	252	265423	16.519	ng	98
83) Chrysene	21.22	228	680534	16.432	ng	100
84) Bis(2-ethylhexyl)phthalate	21.07	149	491765	15.092	ng	99
85) Di-n-octyl phthalate	21.94	149	806912	15.261	ng	100
86) Indeno(1,2,3-cd)pyrene	25.58	276	705856	17.325	ng	100
88) Benzo(b)fluoranthene	22.72	252	657863	15.556	ng	100
89) Benzo(k)fluoranthene	22.76	252	647087	16.253	ng	99
90) Benzo(a)pyrene	23.28	252	604599	16.135	ng	99
91) Dibenzo(a,h)anthracene	25.59	278	583708	16.157	ng	100
92) Benzo(g,h,i)perylene	26.26	276	550441	16.822	ng	100

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



#1

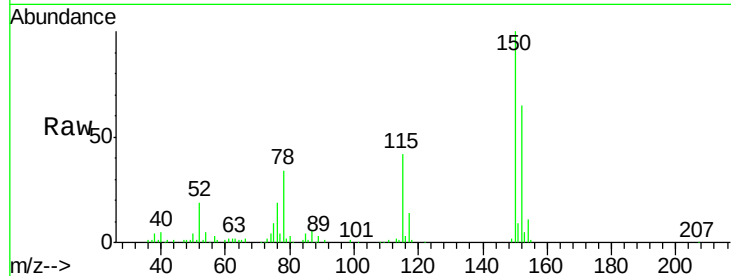
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 772
Delta R.T. -0.01 min
Lab File: BM019919.D
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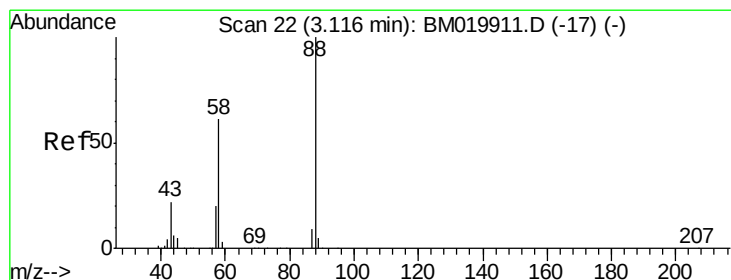
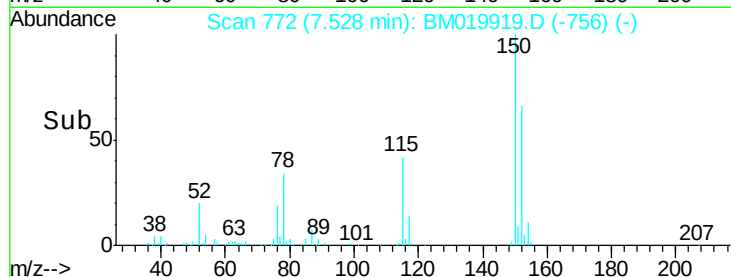
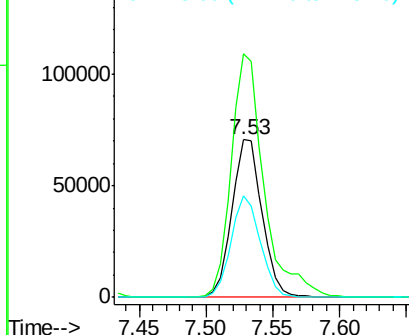
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.1	183.1
115	64.5	50.0	75.0

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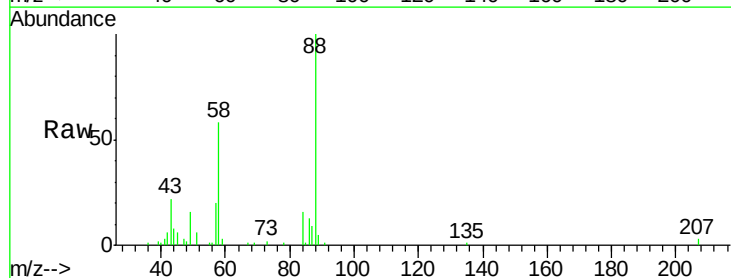
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



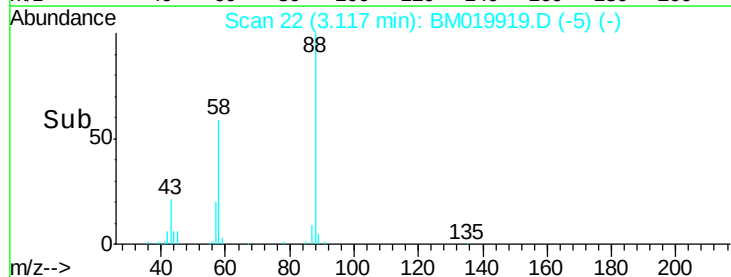
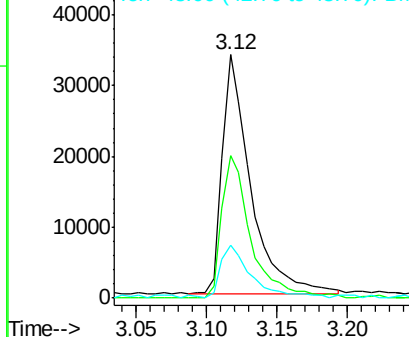
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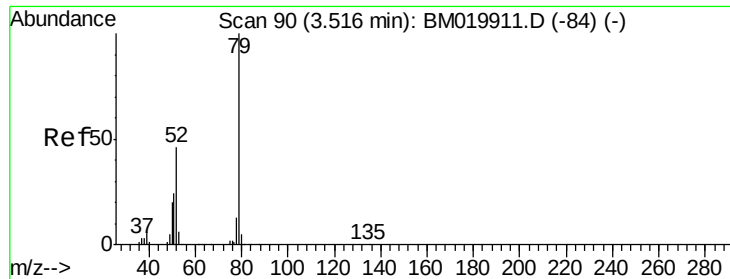
1,4-Dioxane
Concen: 16.099 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.9	49.6	74.4
43	24.7	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





#3

Pyridine

Concen: 16.435 ng

RT: 3.53 min Scan# 93

Delta R.T. 0.02 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

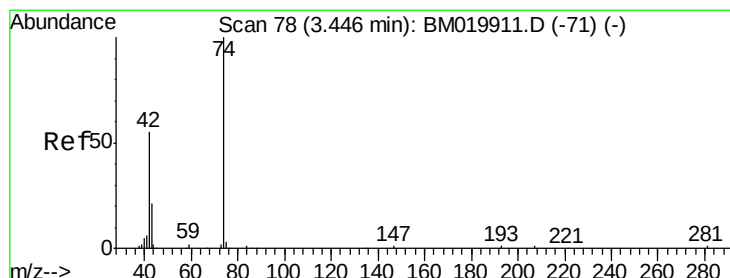
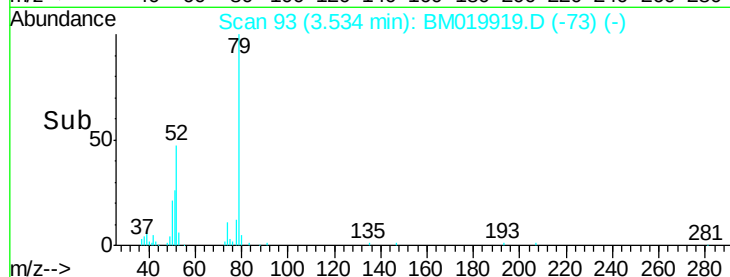
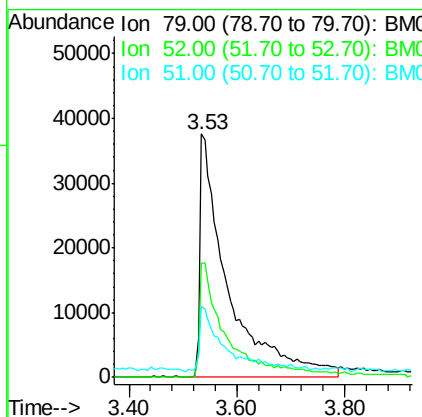
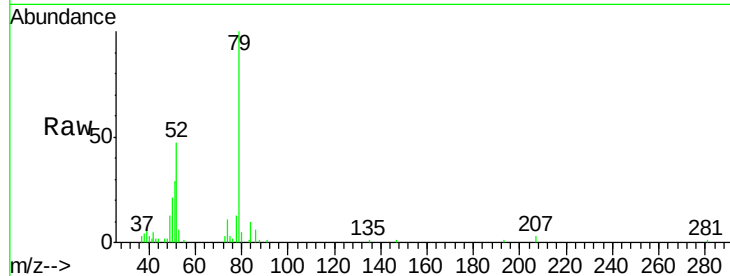
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	79	Resp:	136251
Ion Ratio		Lower	Upper
79	100		
52	46.8	36.9	55.3
51	28.9	20.0	30.0

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#4

n-Nitrosodimethylamine

Concen: 14.434 ng

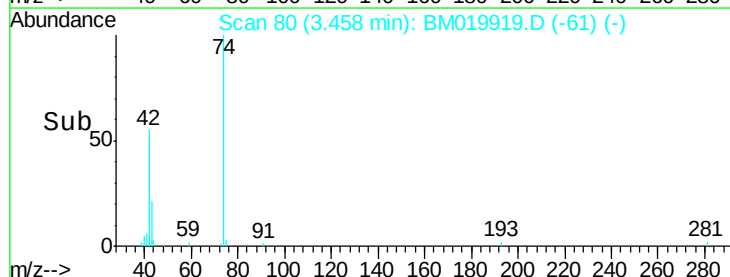
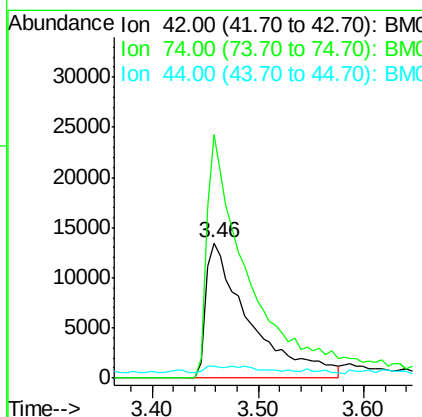
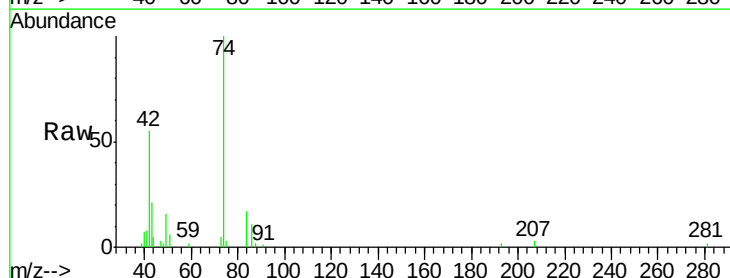
RT: 3.46 min Scan# 80

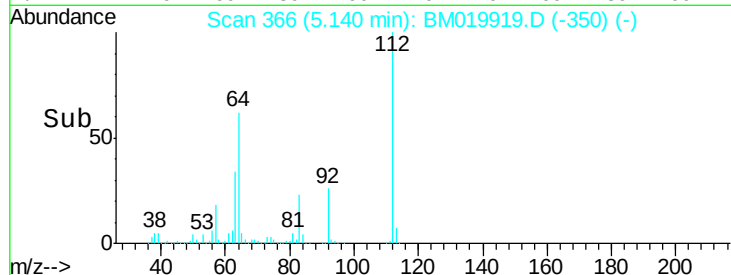
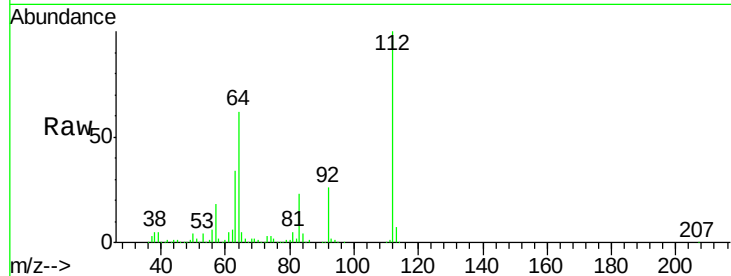
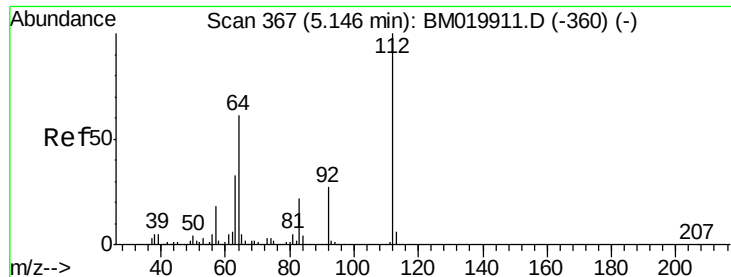
Delta R.T. 0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	42	Resp:	38548
Ion Ratio		Lower	Upper
42	100		
74	180.3	144.6	217.0
44	8.7	5.4	8.2





#5

2-Fluorophenol

Concen: 132.561 ng

RT: 5.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

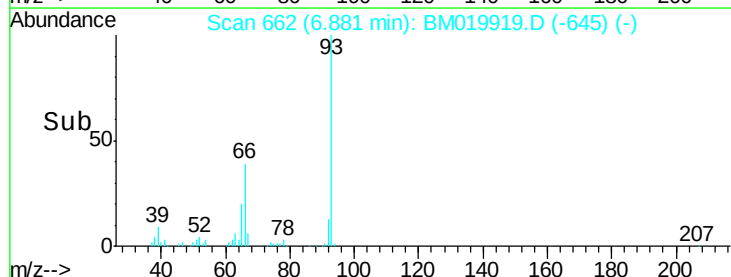
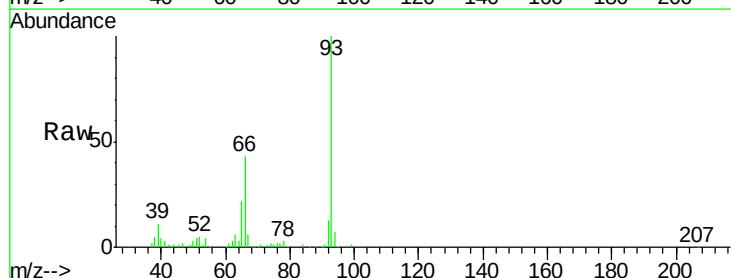
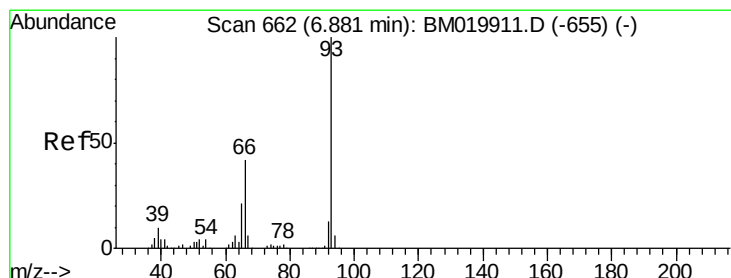
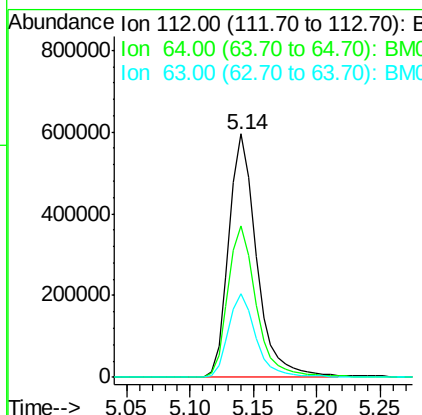
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	112	Resp:	909342
Ion Ratio	Lower	Upper	
112	100		
64	62.3	49.1	73.7
63	34.5	26.5	39.7

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#6

Aniline

Concen: 15.136 ng

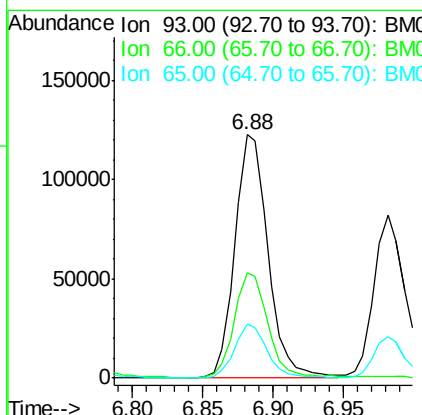
RT: 6.88 min Scan# 662

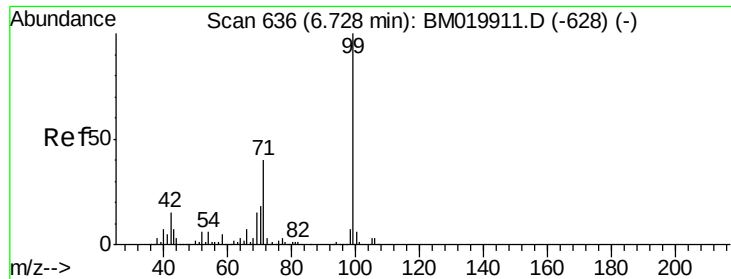
Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	93	Resp:	201825
Ion Ratio	Lower	Upper	
93	100		
66	43.1	33.9	50.9
65	22.0	17.0	25.6





#7

Phenol-d6

Concen: 128.484 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.01 min

Lab File: BM019919.D

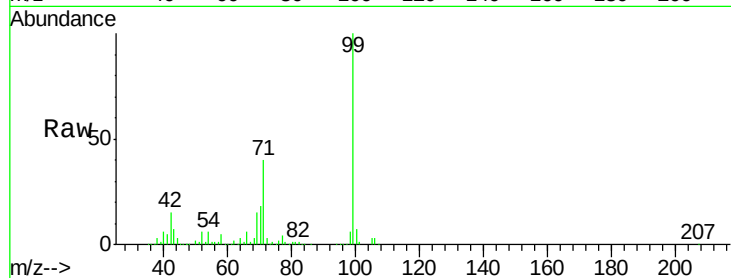
Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019



Tgt Ion: 99 Resp: 1326454

Ion Ratio Lower Upper

99 100

42 14.8 11.8 17.8

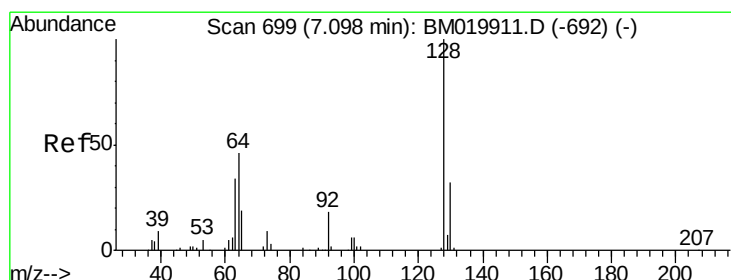
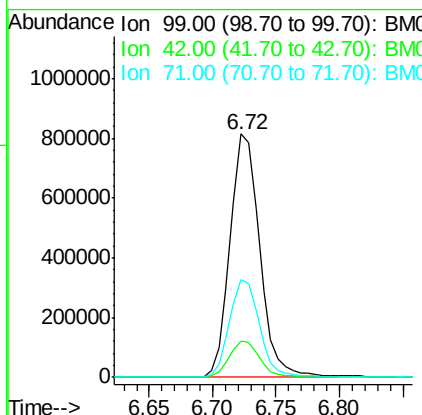
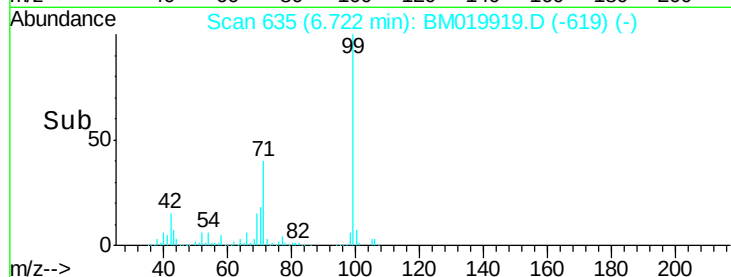
71 40.3 32.0 48.0

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#8

2-Chlorophenol

Concen: 15.369 ng

RT: 7.10 min Scan# 699

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

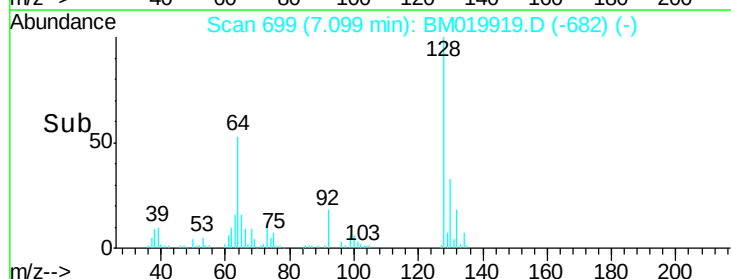
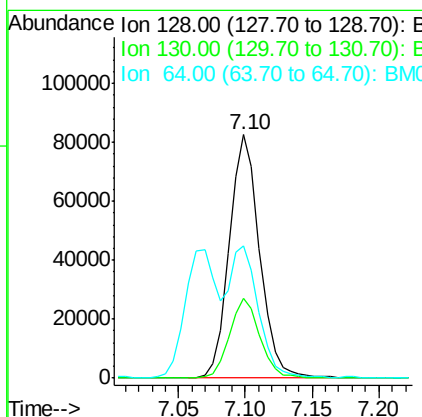
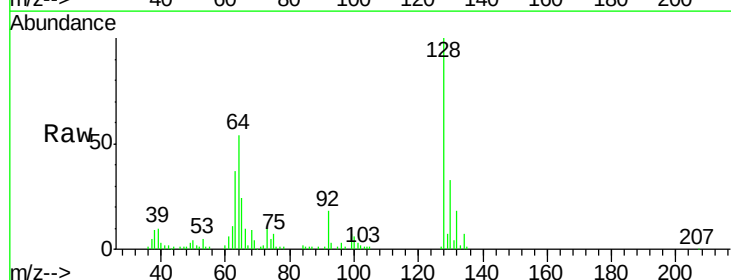
Tgt Ion: 128 Resp: 131128

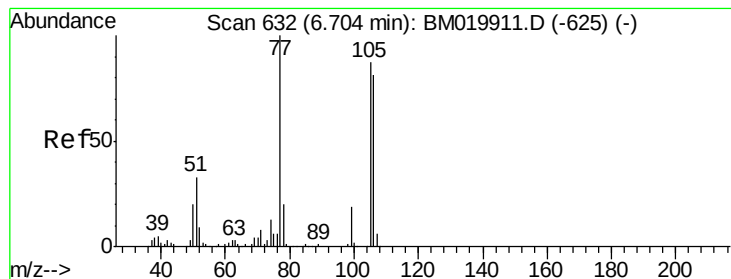
Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

64 54.2 33.0 73.0





#9

Benzaldehyde

Concen: 17.351 ng

RT: 6.70 min Scan# 632

Delta R.T. 0.00 min

Lab File: BM019919.D

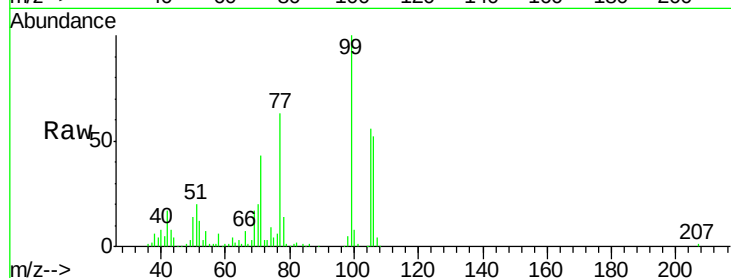
Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

ClientSampleId :

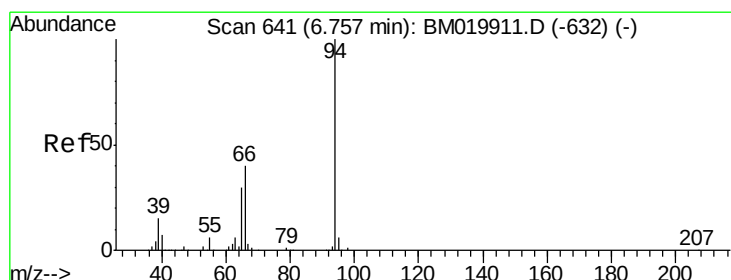
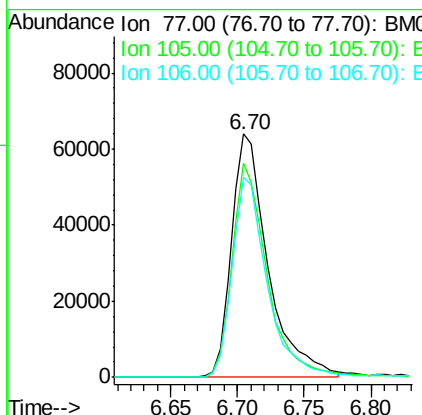
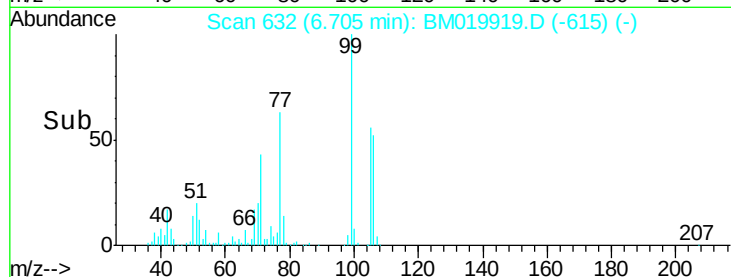
LOD-MDL-SOIL-01-QT1-2019



Tgt Ion:	77	Resp:	122143
Ion Ratio	Lower	Upper	
77	100		
105	88.1	67.3	107.3
106	82.2	60.6	100.6

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#10

Phenol

Concen: 15.449 ng

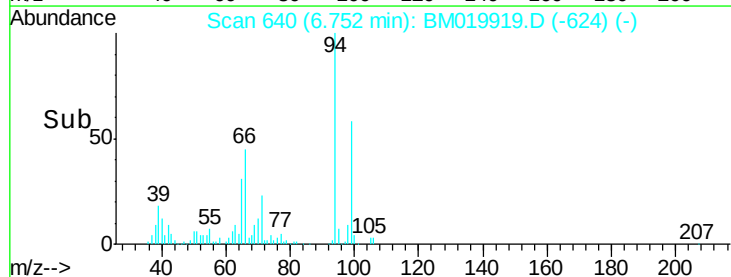
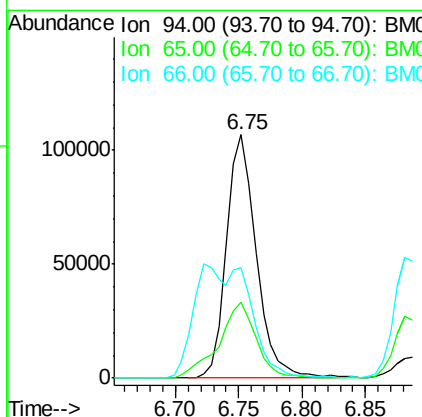
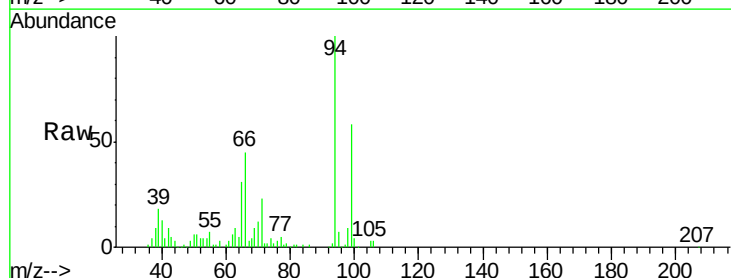
RT: 6.75 min Scan# 640

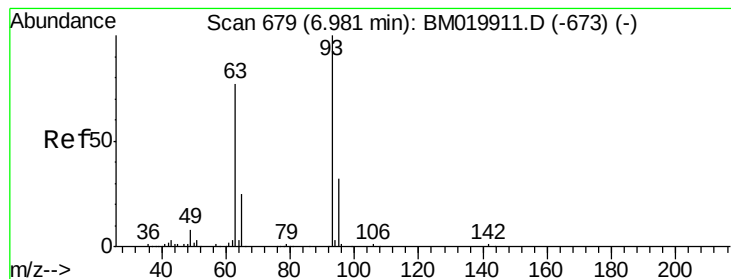
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	94	Resp:	174254
Ion Ratio	Lower	Upper	
94	100		
65	31.1	10.0	50.0
66	45.2	20.2	60.2





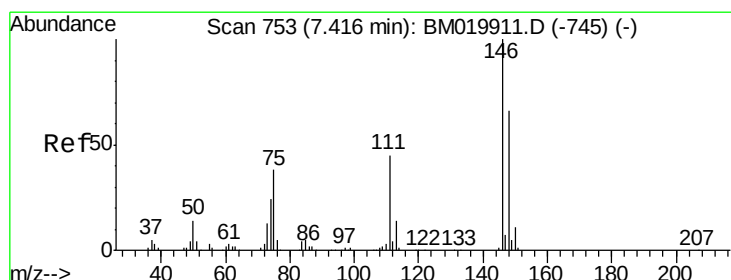
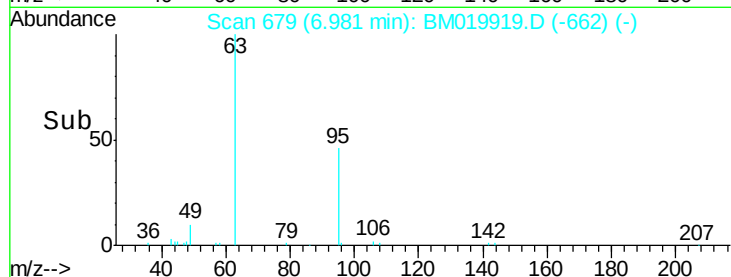
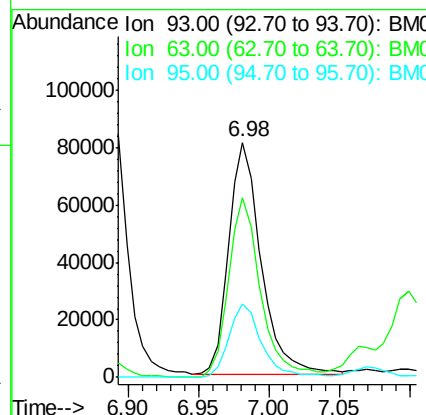
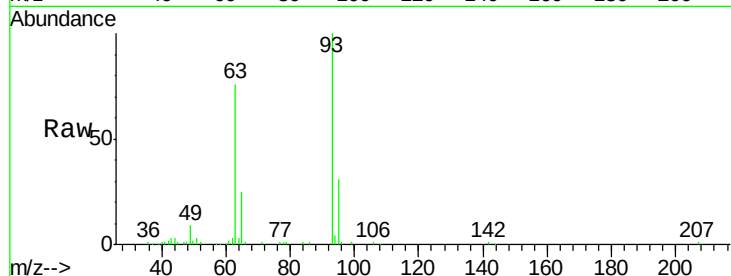
#11
bis(2-Chloroethyl)ether
Concen: 15.523 ng
RT: 6.98 min Scan# 679
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	128107		
63	76.2	55.8	95.8	
95	31.3	11.6	51.6	

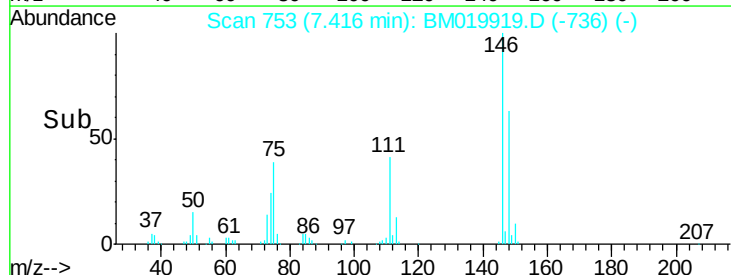
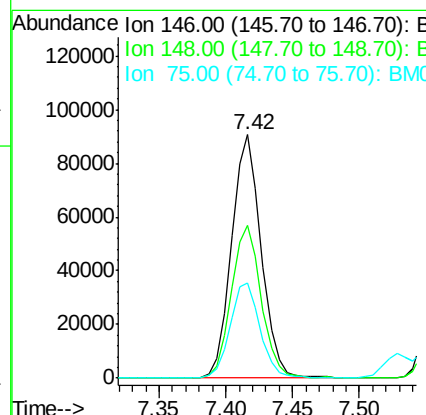
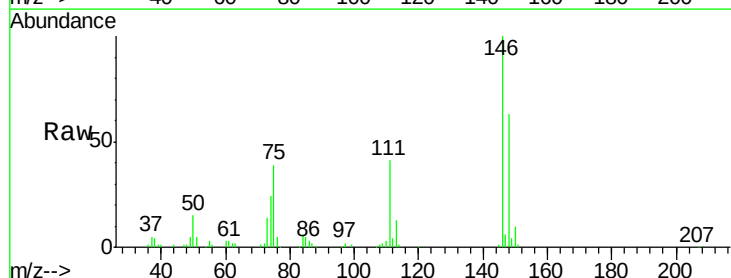
Manual Integrations
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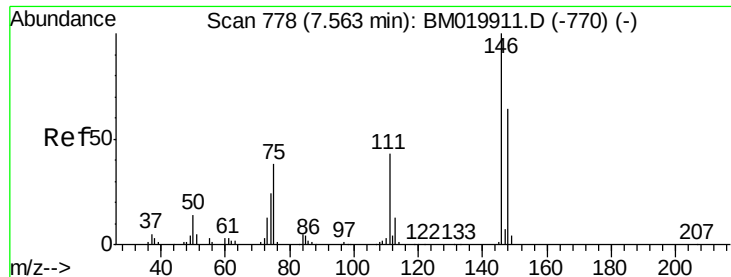
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#12
1,3-Dichlorobenzene
Concen: 15.727 ng
RT: 7.42 min Scan# 753
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140863		
148	62.9	52.6	78.8	
75	39.2	30.0	45.0	





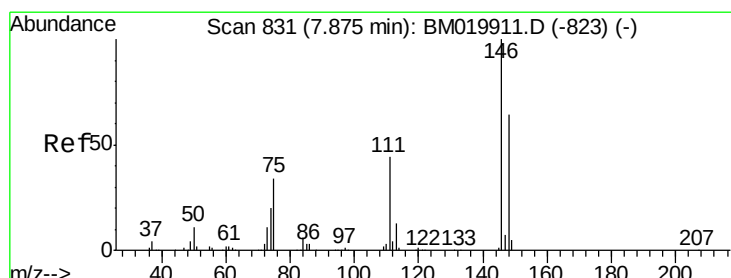
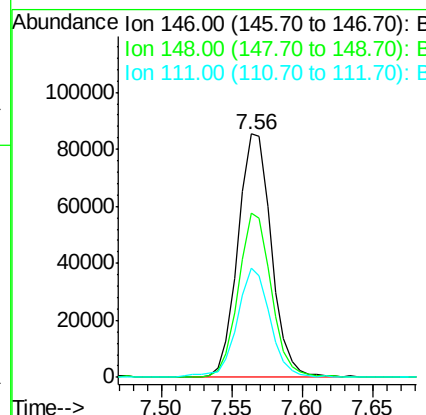
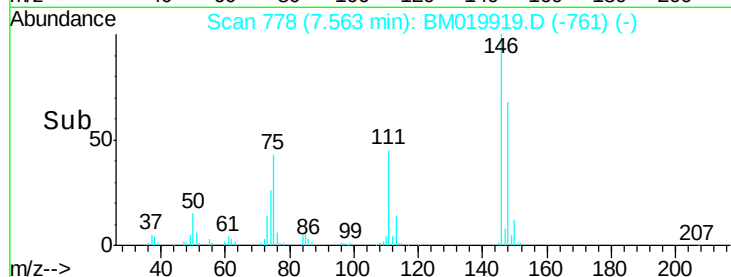
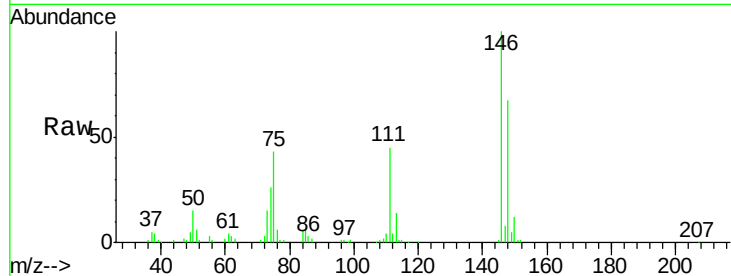
#13
 1,4-Dichlorobenzene
 Concen: 15.585 ng
 RT: 7.56 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.3	51.1	76.7
111	44.6	34.6	51.8

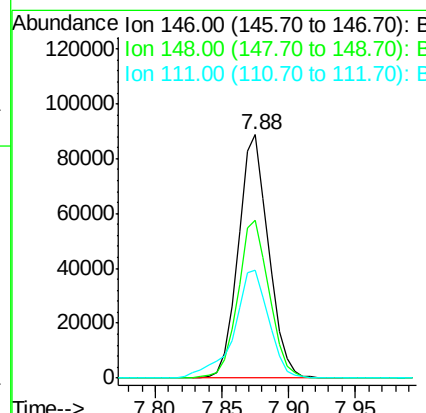
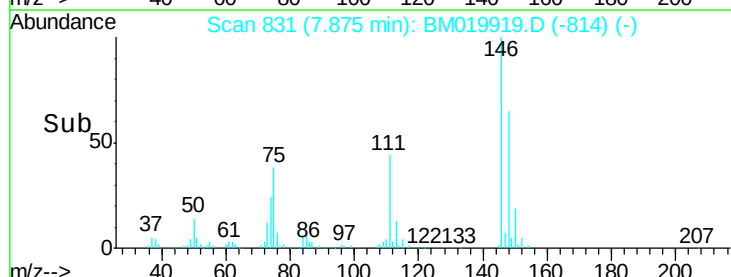
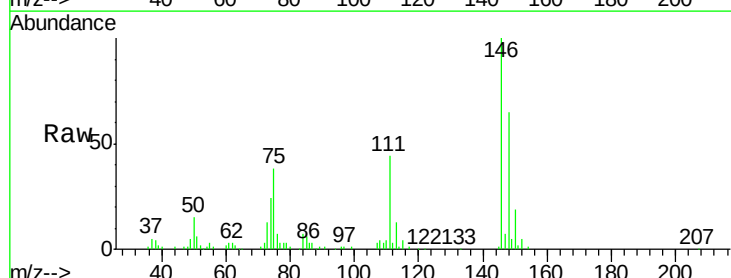
Manual Integrations
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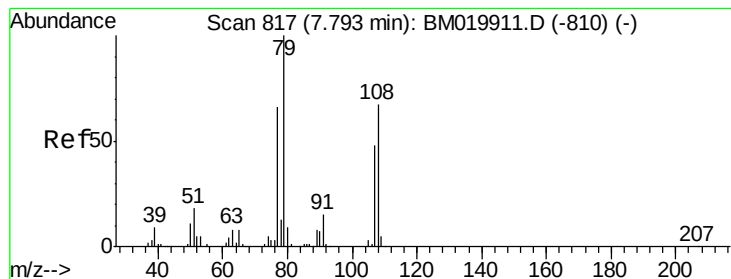
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#14
 1,2-Dichlorobenzene
 Concen: 15.451 ng
 RT: 7.88 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.2
111	44.3	35.4	53.0





#15

Benzyl Alcohol

Concen: 15.392 ng

RT: 7.80 min Scan# 818

Delta R.T. 0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

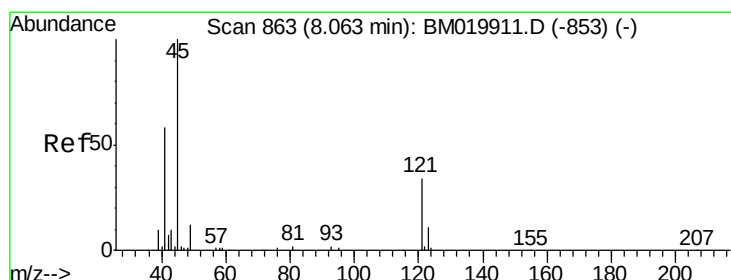
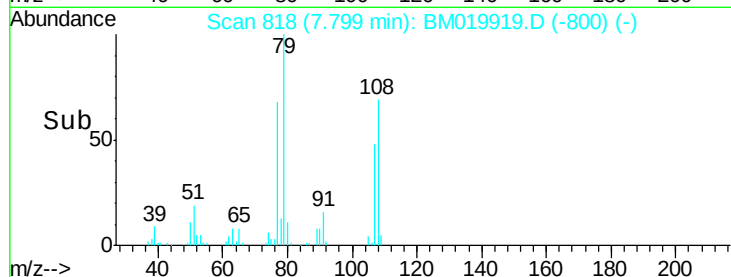
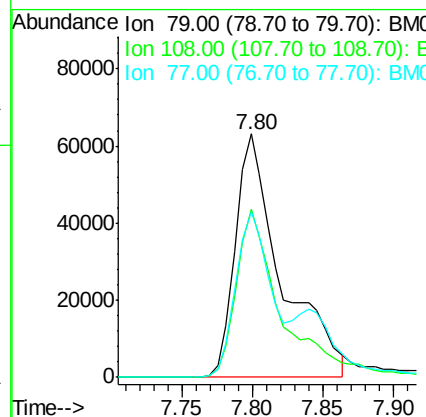
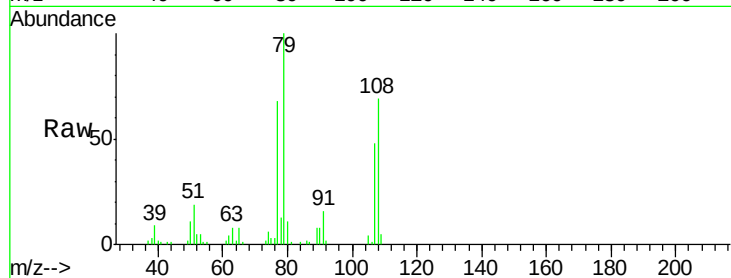
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	79	Resp:	144458
Ion Ratio	Lower	Upper	
79	100		
108	69.2	53.9	80.9
77	68.1	53.1	79.7

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 15.711 ng

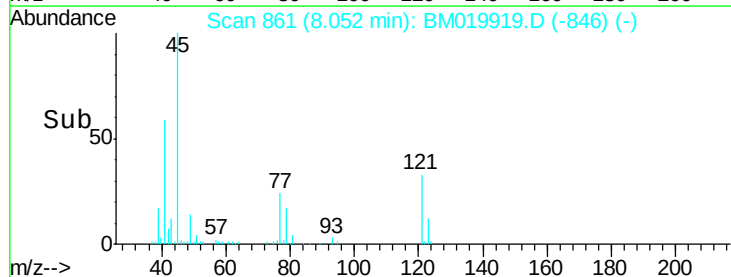
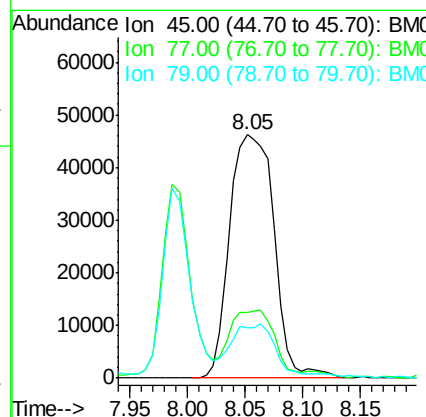
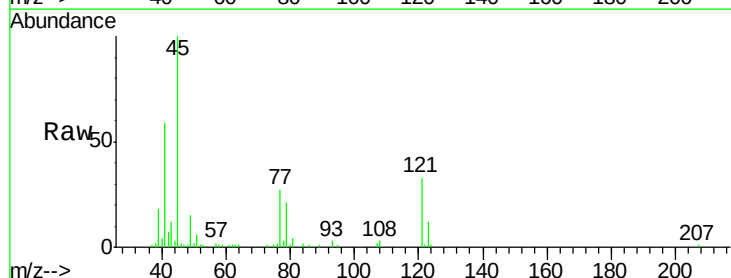
RT: 8.05 min Scan# 861

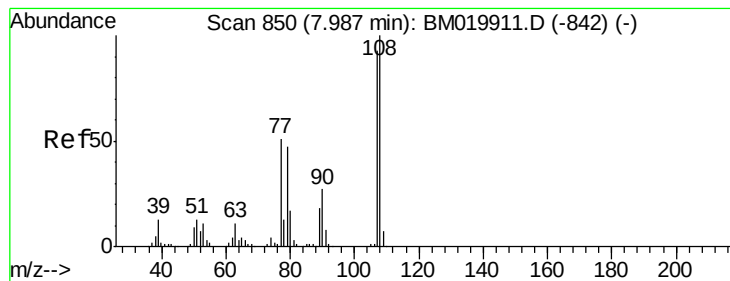
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

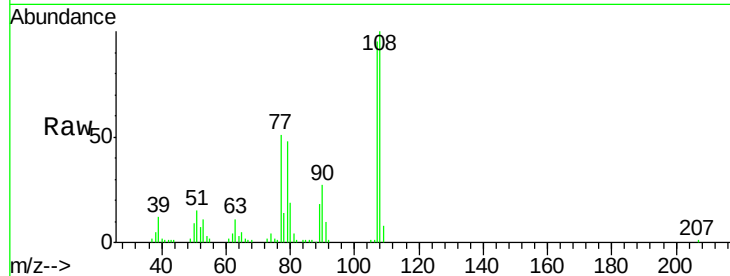
Tgt Ion:	45	Resp:	123604
Ion Ratio	Lower	Upper	
45	100		
77	26.8	7.2	47.2
79	20.7	1.2	41.2





#17
2-Methylphenol
Concen: 14.812 ng
RT: 7.99 min Scan# 851
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

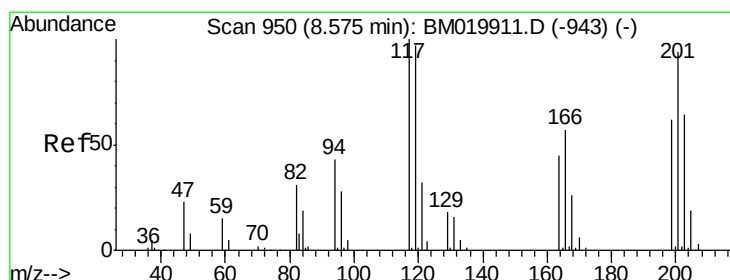
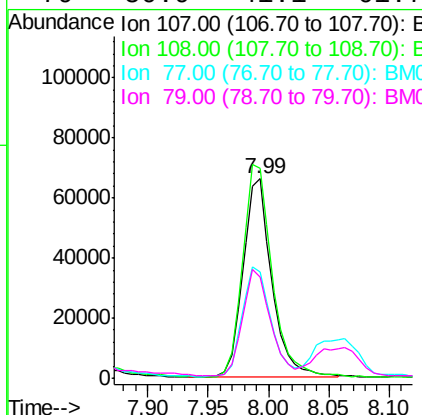
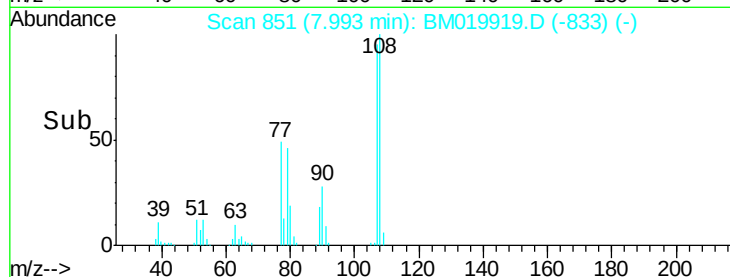
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	110575		
108	105.4	85.9	128.9	
77	53.3	43.8	65.6	
79	50.9	41.1	61.7	

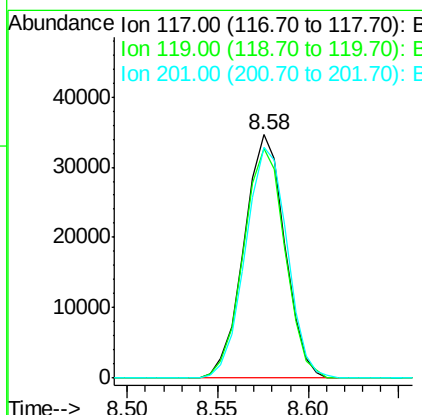
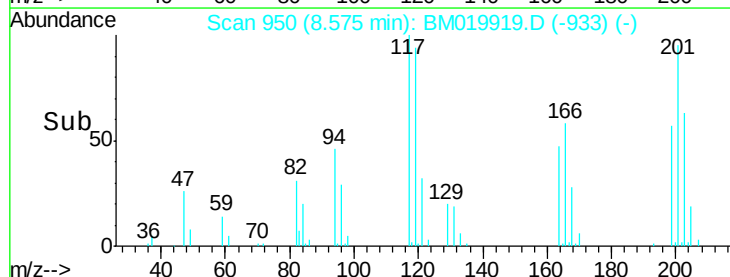
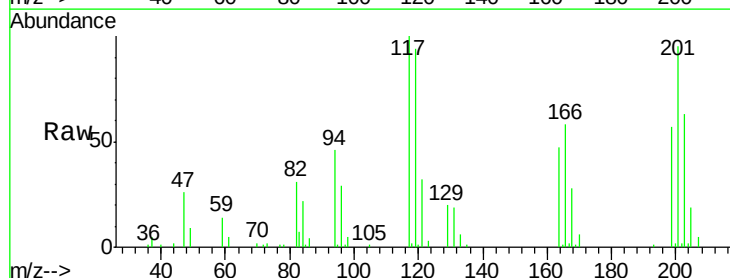
Manual Integrations
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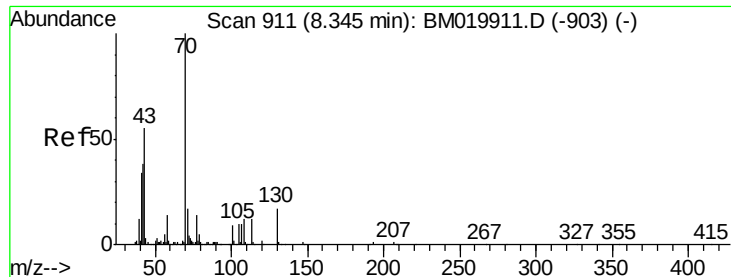
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#18
Hexachloroethane
Concen: 15.329 ng
RT: 8.58 min Scan# 950
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54151		
119	94.2	77.6	116.4	
201	94.9	75.4	113.2	





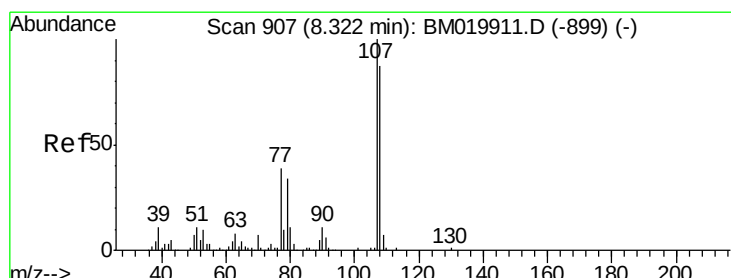
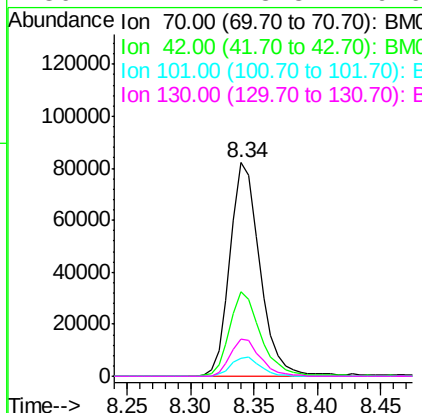
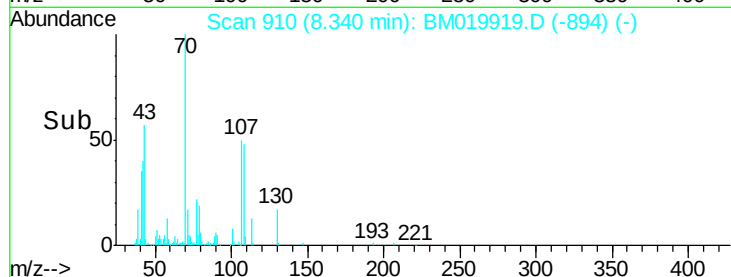
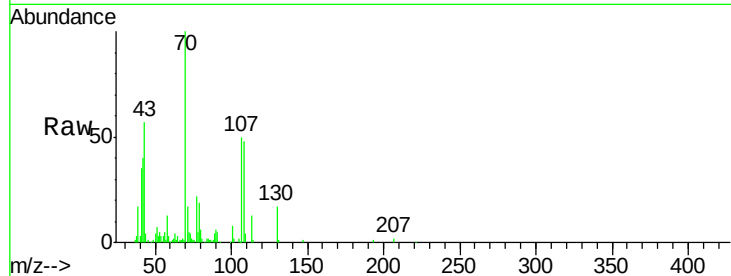
#19
n-Nitroso-di-n-propylamine
Concen: 14.849 ng
RT: 8.34 min Scan# 910
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.8	30.3	45.5
101	8.4	6.9	10.3
130	17.2	13.8	20.6

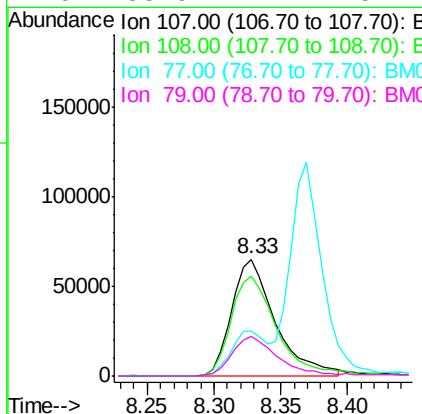
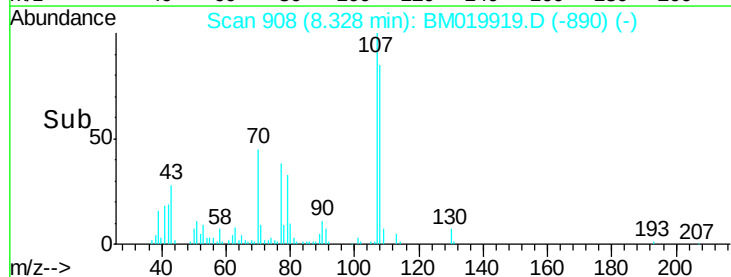
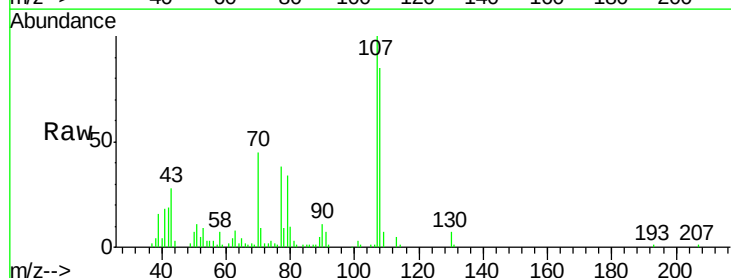
Manual Integrations
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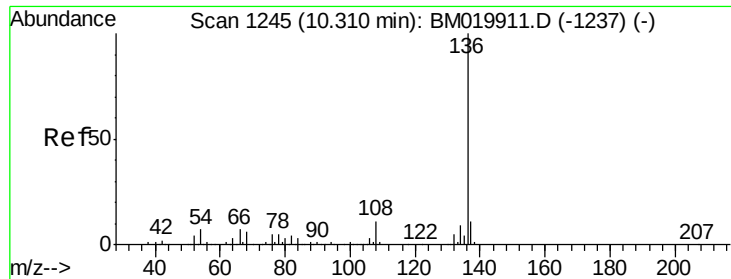
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#20
3+4-Methylphenols
Concen: 14.436 ng
RT: 8.33 min Scan# 908
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.4	67.4	107.4
77	37.9	19.7	59.7
79	33.9	14.1	54.1





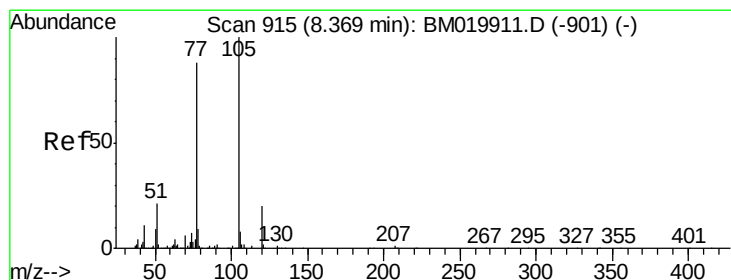
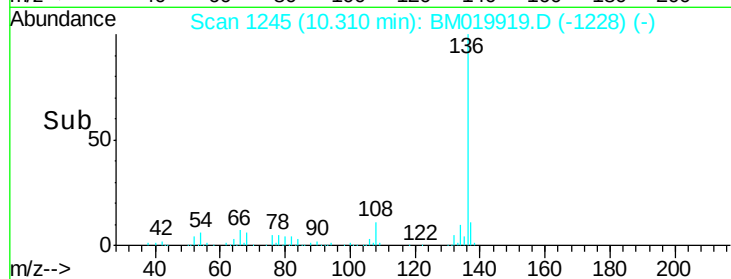
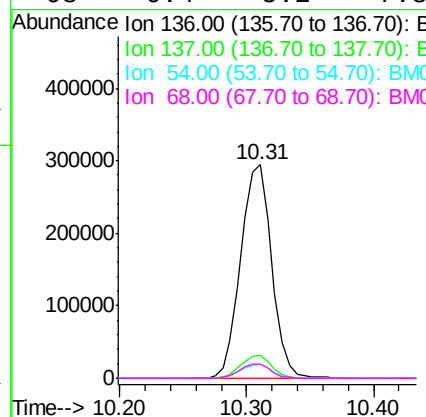
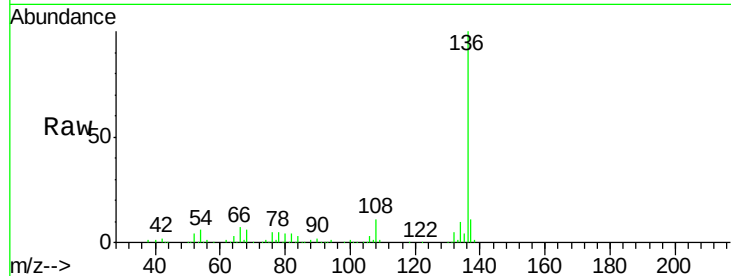
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.31 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	497739		
137	10.7	9.0	13.6	
54	6.4	5.3	7.9	
68	6.4	5.2	7.8	

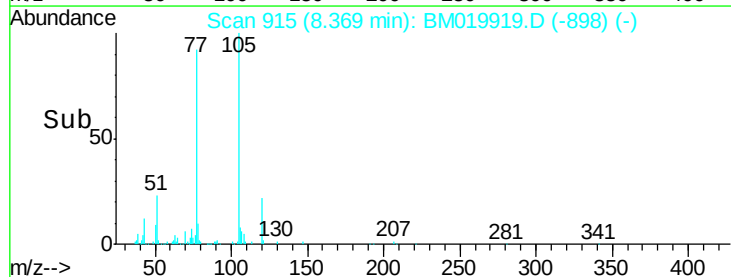
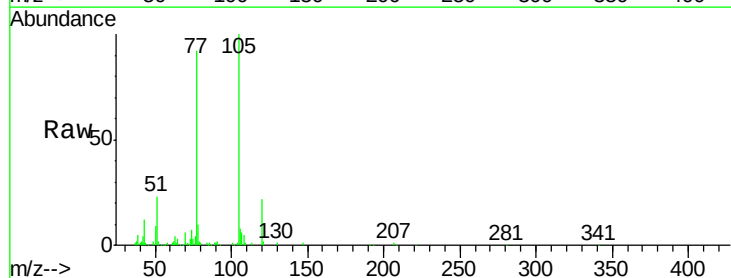
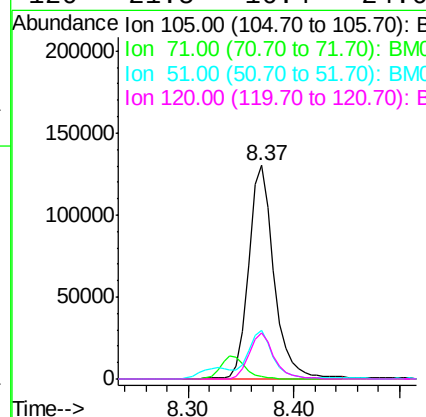
Manual Integrations
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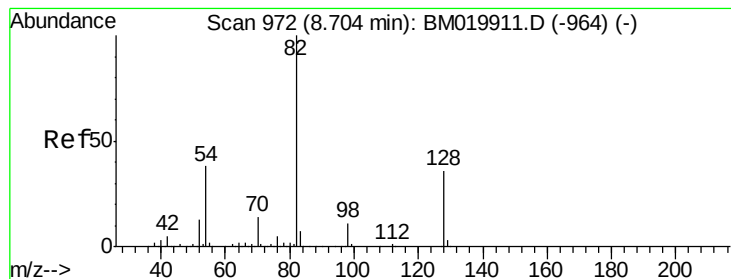
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#22
Acetophenone
Concen: 15.994 ng
RT: 8.37 min Scan# 915
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216825		
71	1.1	0.8	1.2	
51	22.5	16.9	25.3	
120	21.5	16.4	24.6	





#23

Nitrobenzene-d5

Concen: 83.493 ng

RT: 8.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

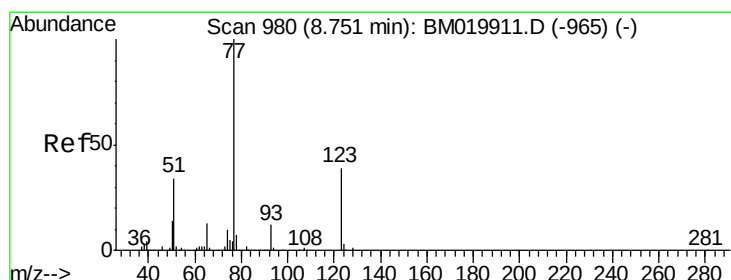
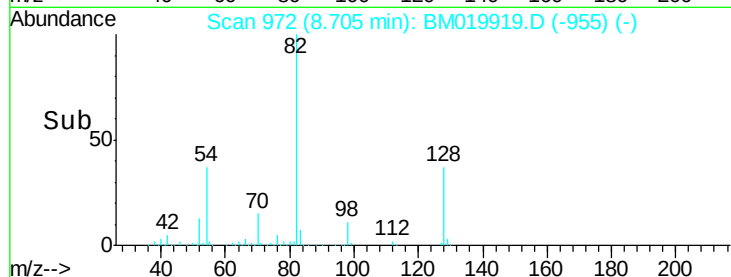
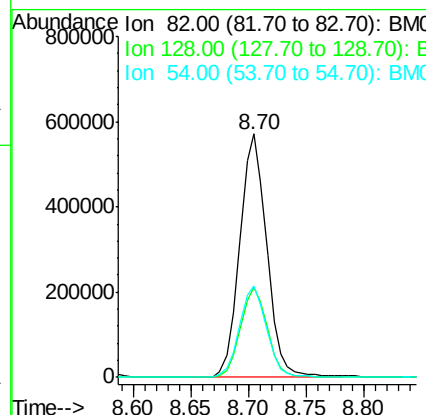
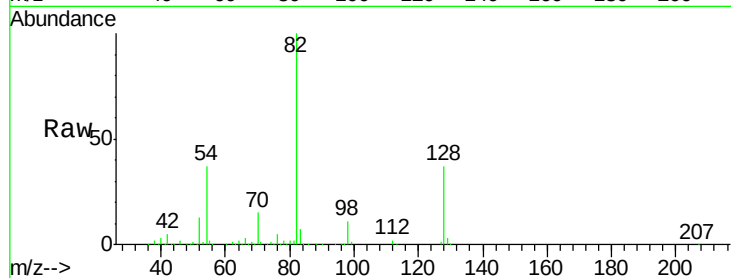
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	82	Resp:	929260
Ion Ratio	Lower	Upper	
82	100		
128	37.2	29.0	43.4
54	37.3	30.2	45.4

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#24

Nitrobenzene

Concen: 16.861 ng

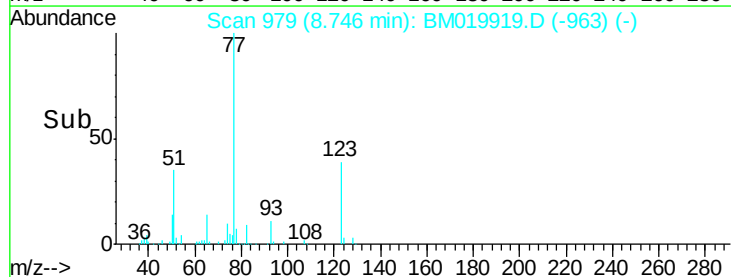
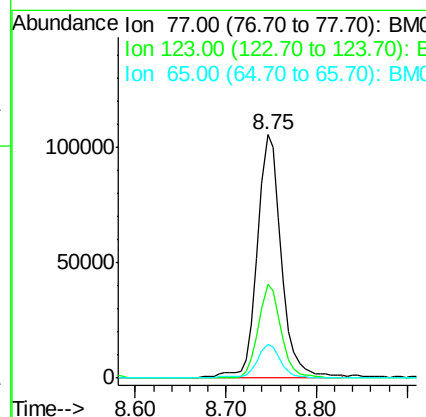
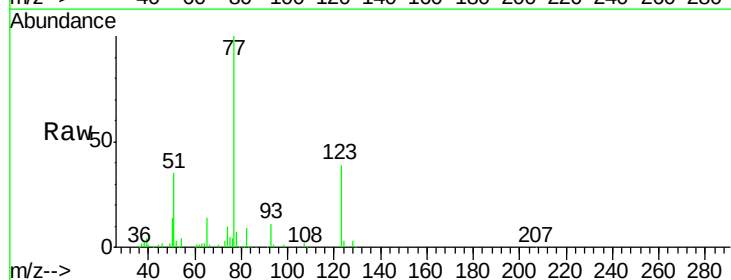
RT: 8.75 min Scan# 979

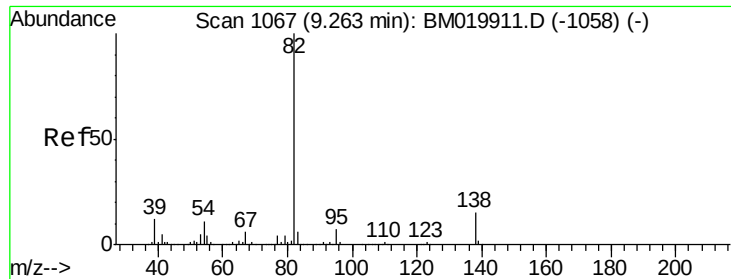
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	77	Resp:	194397
Ion Ratio	Lower	Upper	
77	100		
123	38.7	31.0	46.4
65	13.6	10.6	16.0





#25

Isophorone

Concen: 16.034 ng

RT: 9.26 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

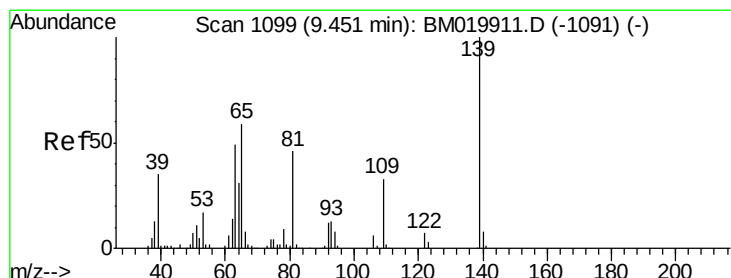
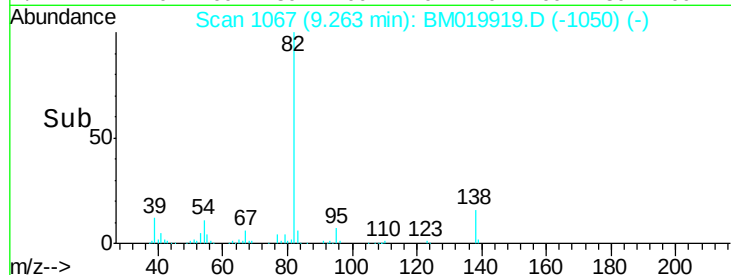
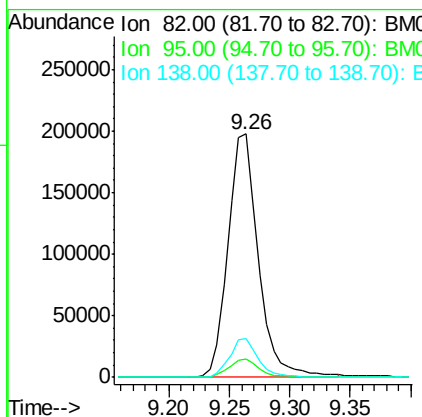
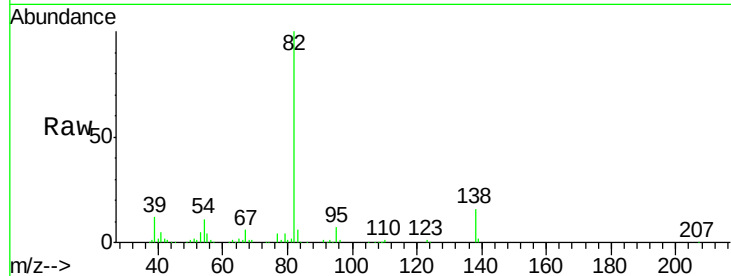
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	82	Resp:	347394
Ion Ratio	Lower	Upper	
82	100		
95	7.4	5.5	8.3
138	15.8	12.2	18.2

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#26

2-Nitrophenol

Concen: 15.222 ng

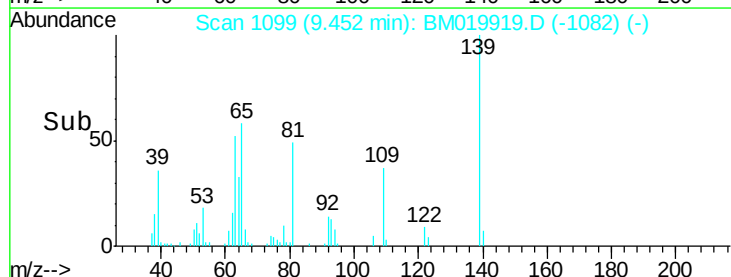
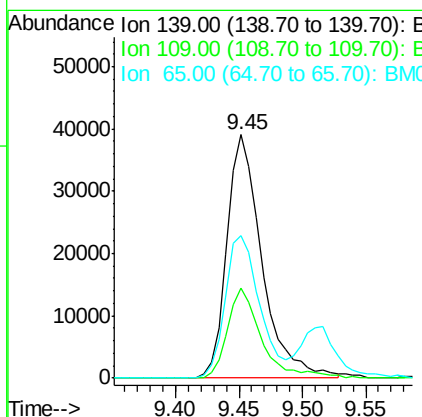
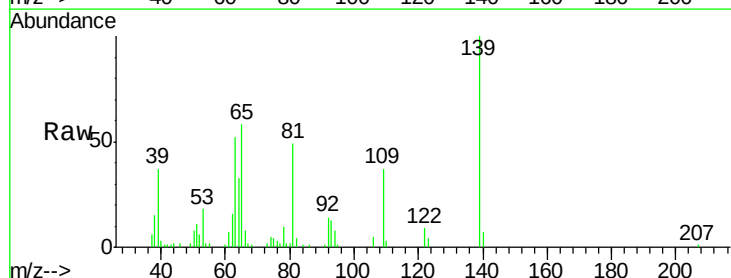
RT: 9.45 min Scan# 1099

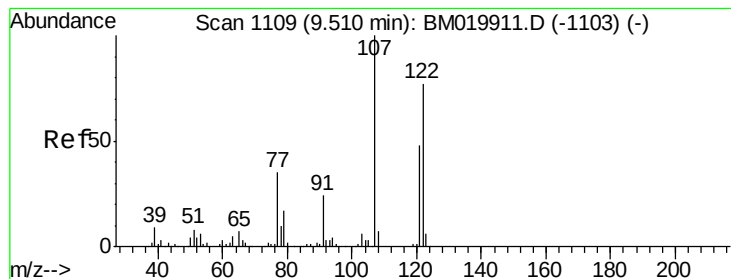
Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

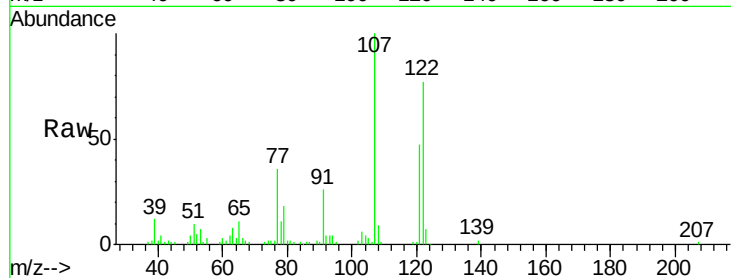
Tgt Ion:	139	Resp:	74792
Ion Ratio	Lower	Upper	
139	100		
109	36.8	26.3	39.5
65	58.5	47.4	71.2





#27
2,4-Dimethylphenol
Concen: 14.797 ng
RT: 9.51 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

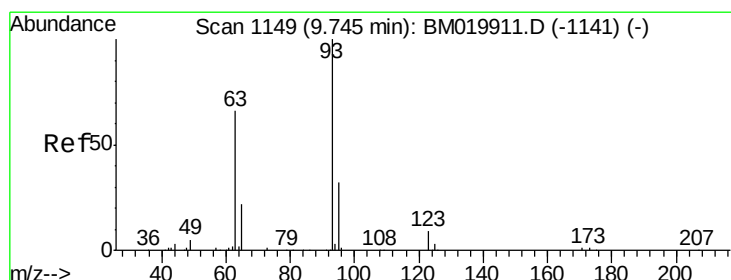
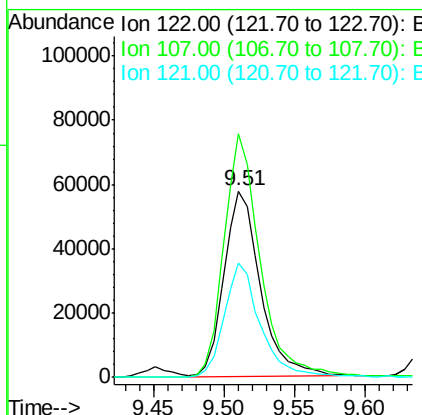
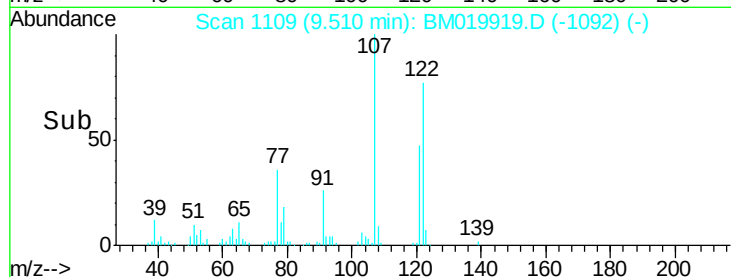
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019



Tgt Ion	Ratio	Lower	Upper
122	100		
107	130.5	103.1	154.7
121	61.5	49.8	74.8

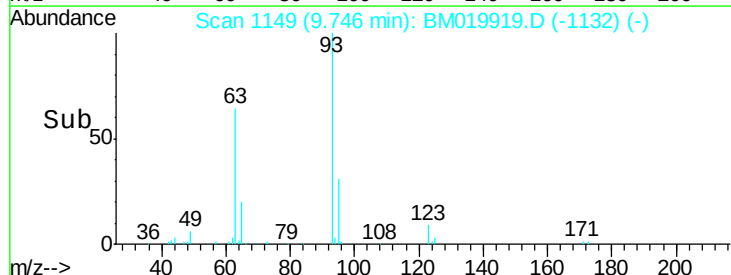
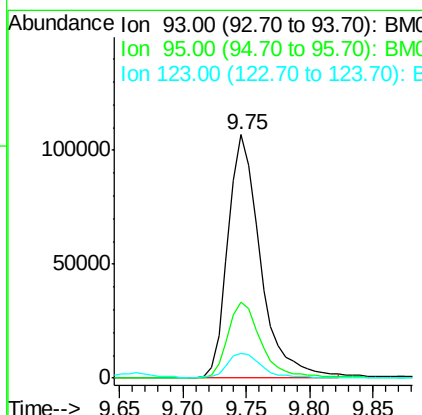
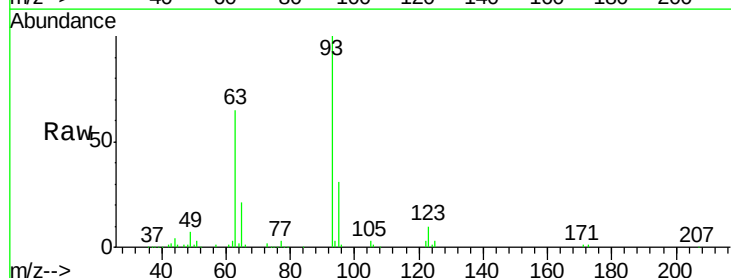
Manual Integrations
APPROVED

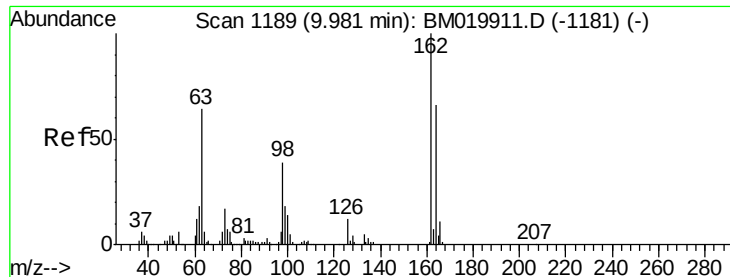
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 15.739 ng
RT: 9.75 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.8	38.8
123	10.0	8.2	12.2





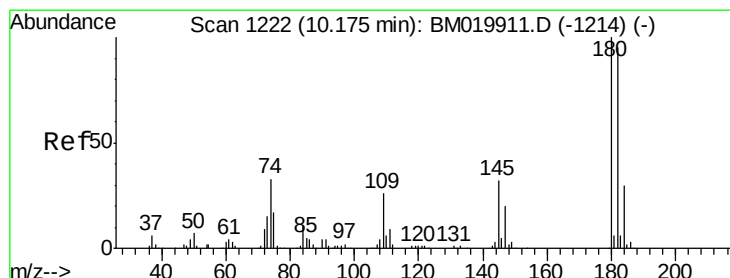
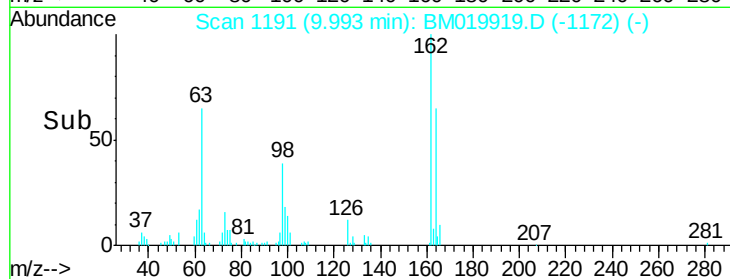
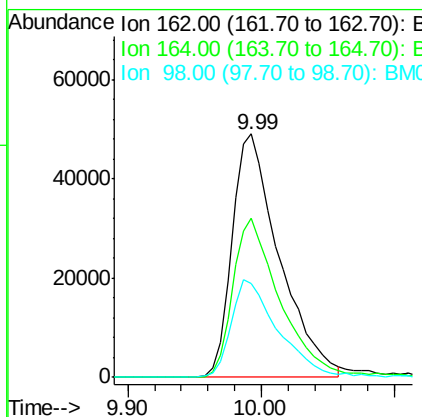
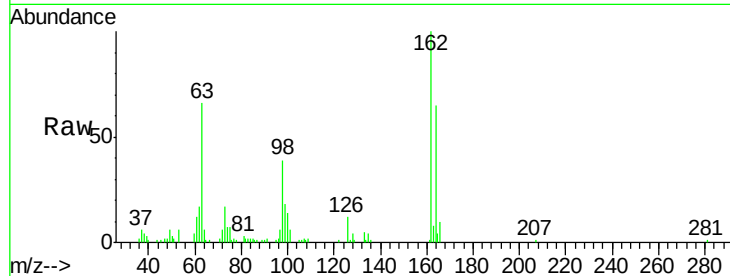
#29
2,4-Dichlorophenol
Concen: 15.302 ng
RT: 9.99 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	120730		
164	65.1	46.3	86.3	
98	38.7	19.2	59.2	

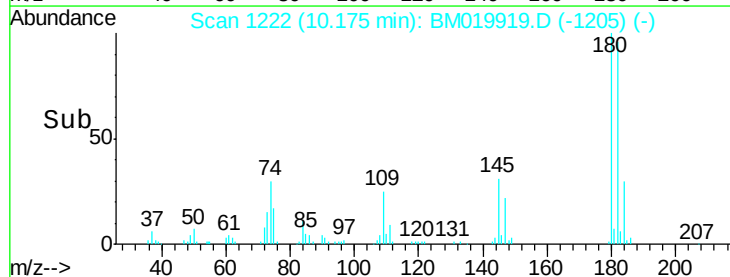
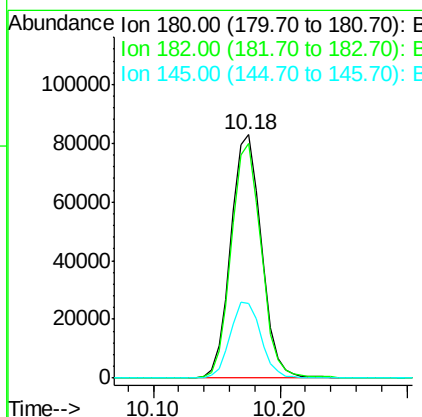
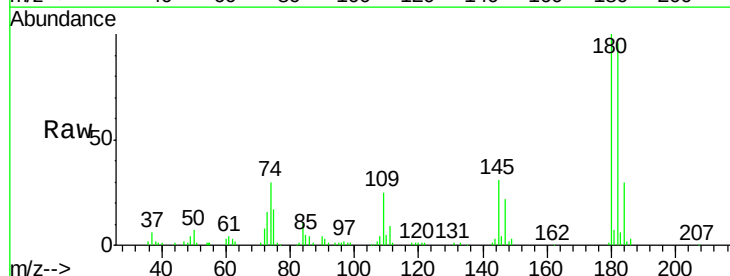
Manual Integrations
APPROVED

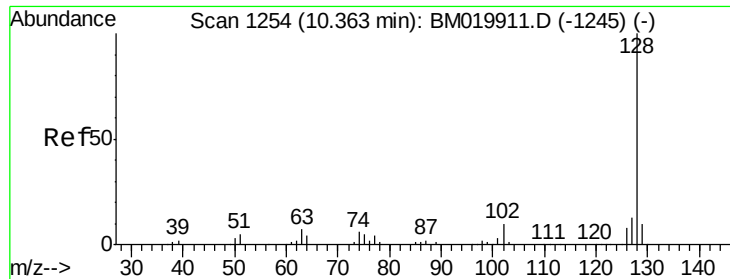
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 16.295 ng
RT: 10.18 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138377		
182	96.2	76.3	114.5	
145	30.9	25.5	38.3	





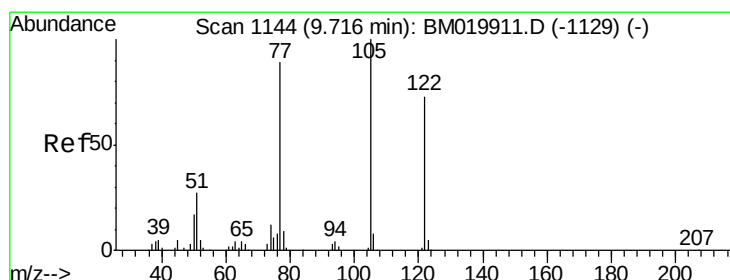
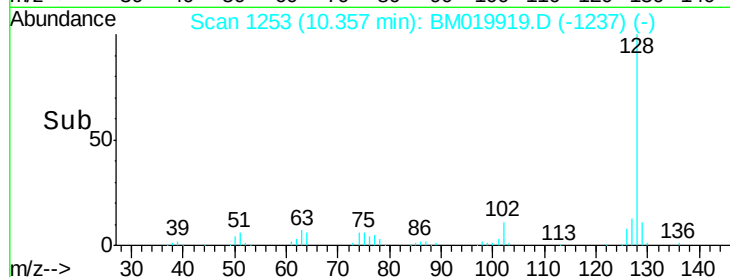
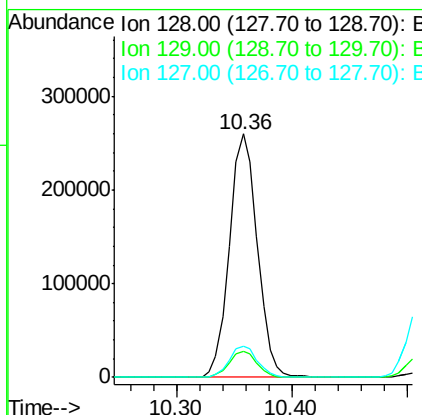
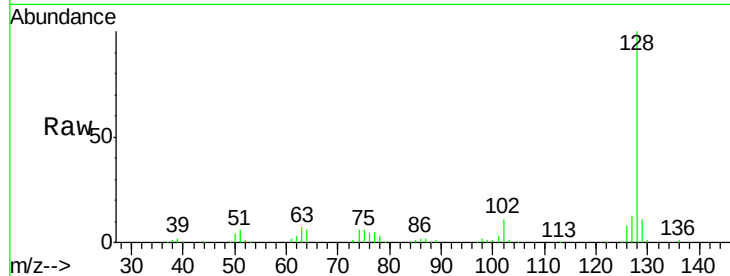
#31
Naphthalene
Concen: 16.313 ng
RT: 10.36 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	435516		
129	10.9	8.3	12.5	
127	12.7	10.4	15.6	

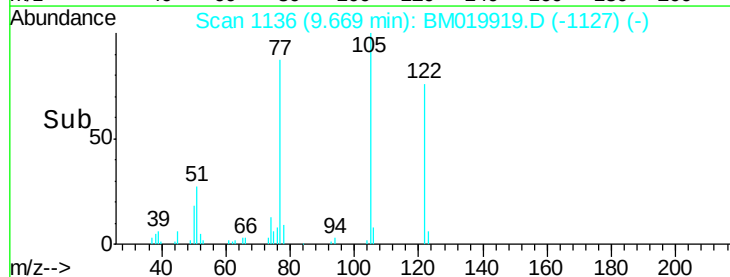
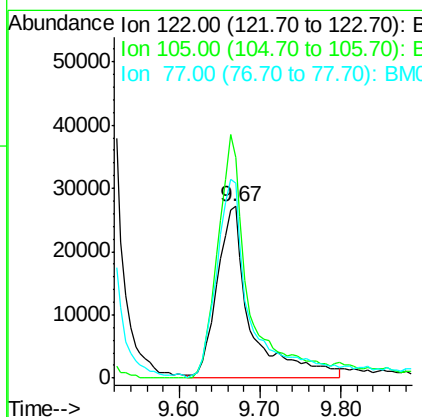
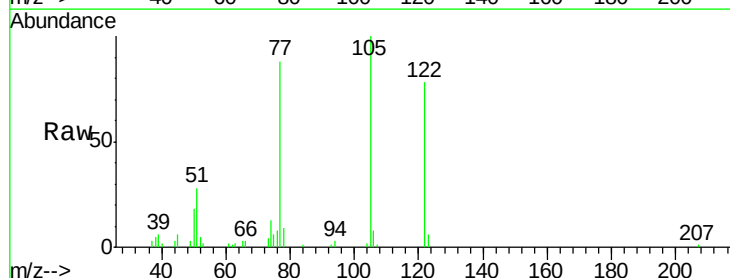
Manual Integrations
APPROVED

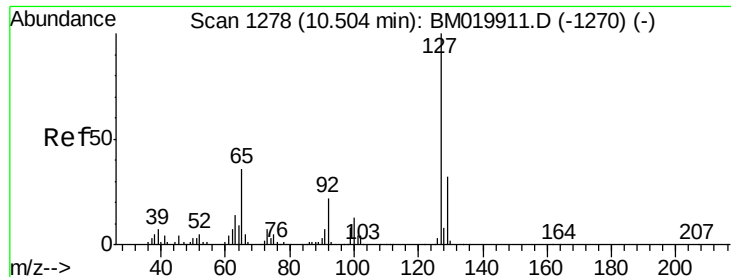
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#32
Benzoic acid
Concen: 15.779 ng m
RT: 9.67 min Scan# 1136
Delta R.T. -0.05 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	78336		
105	128.9	114.8	154.8	
77	114.1	100.2	140.2	





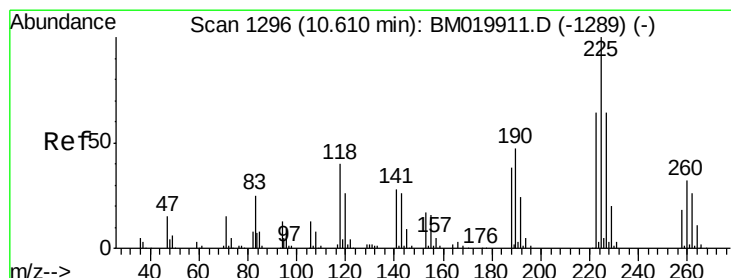
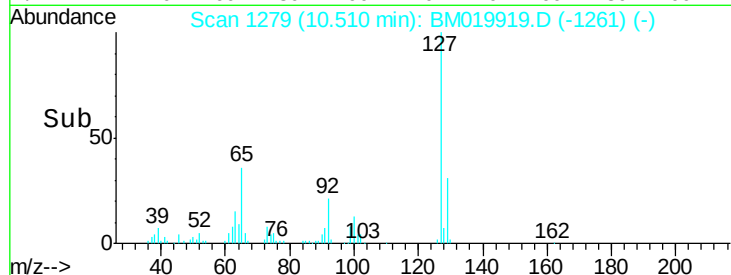
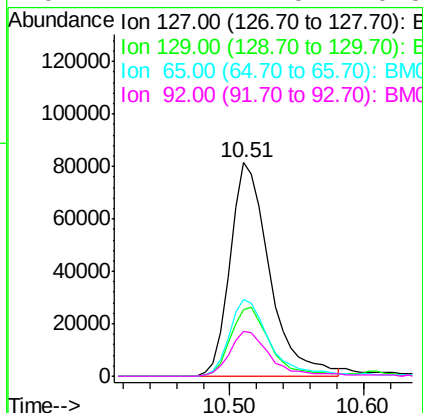
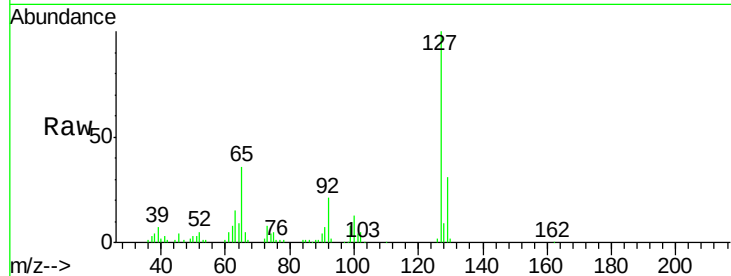
#33
4-Chloroaniline
Concen: 15.259 ng
RT: 10.51 min Scan# 1279
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	167825		
129	31.4	25.4	38.0	
65	36.2	29.2	43.8	
92	21.1	17.5	26.3	

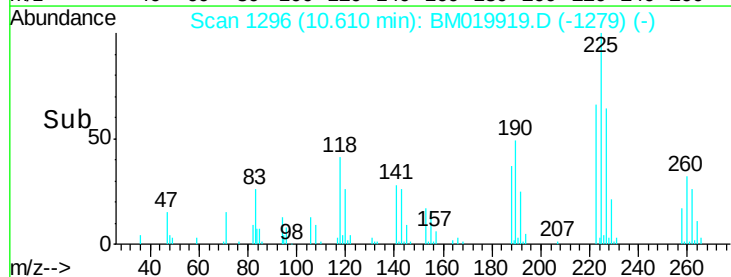
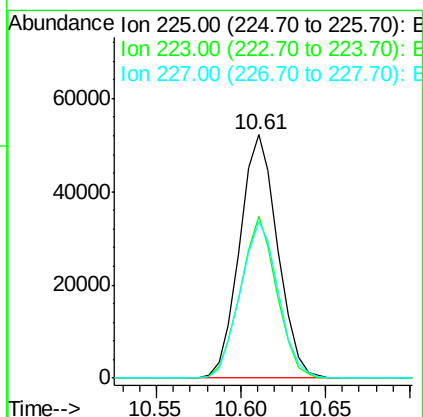
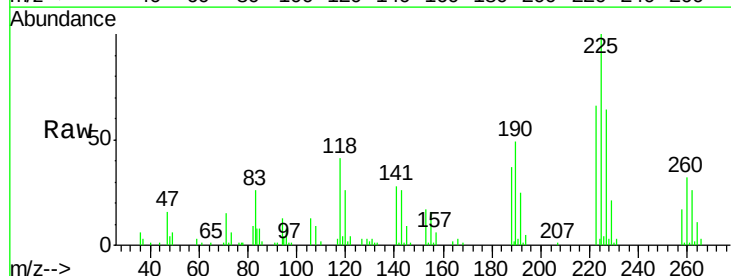
Manual Integrations
APPROVED

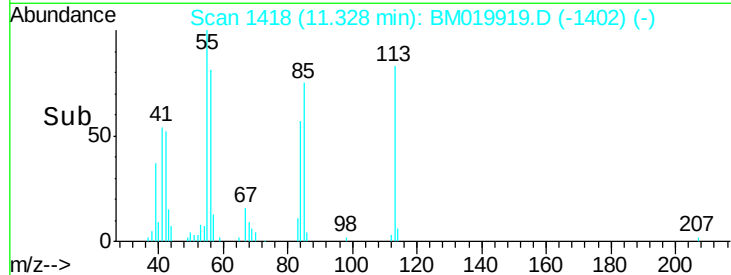
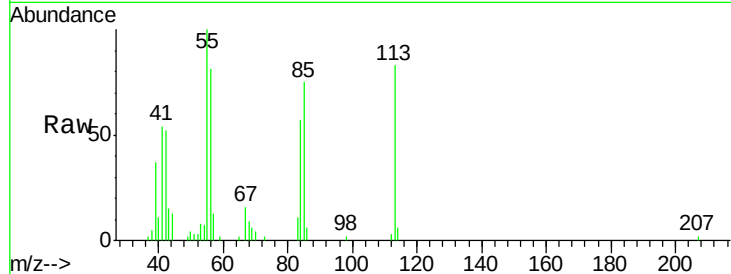
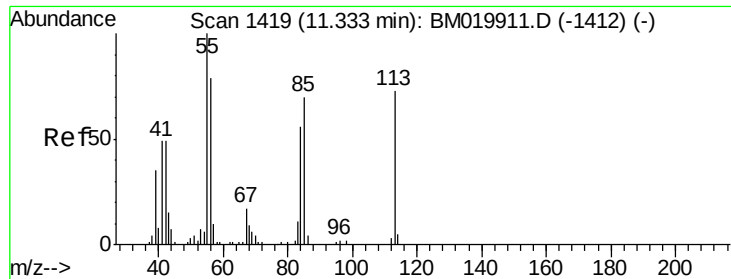
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#34
Hexachlorobutadiene
Concen: 16.269 ng
RT: 10.61 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81480		
223	66.2	51.4	77.2	
227	64.1	51.0	76.6	





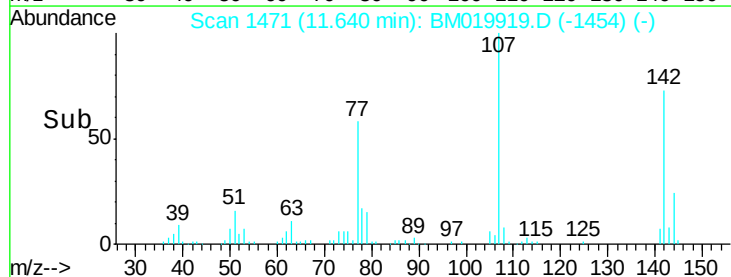
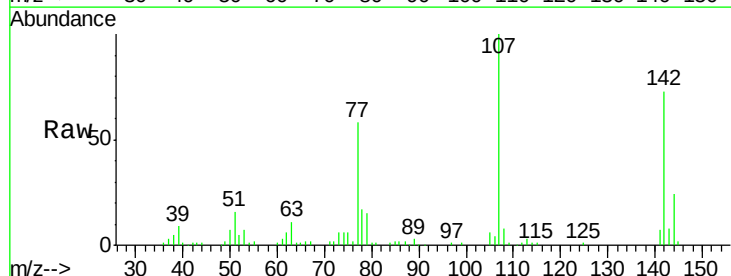
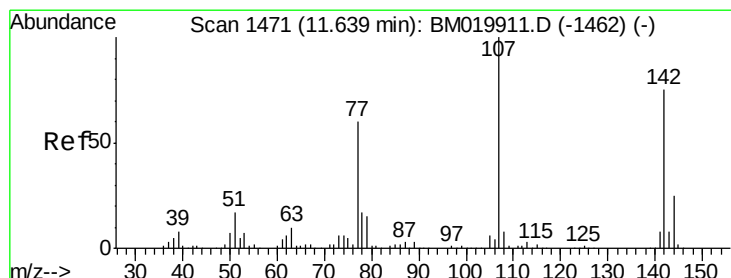
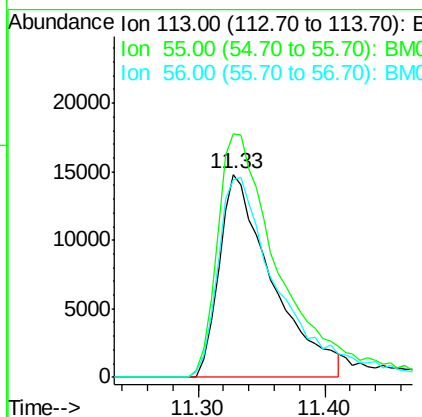
#35
Caprolactam
Concen: 14.388 ng
RT: 11.33 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 113 Resp: 42970
Ion Ratio Lower Upper
113 100
55 119.8 117.1 157.1
56 97.2 88.2 128.2

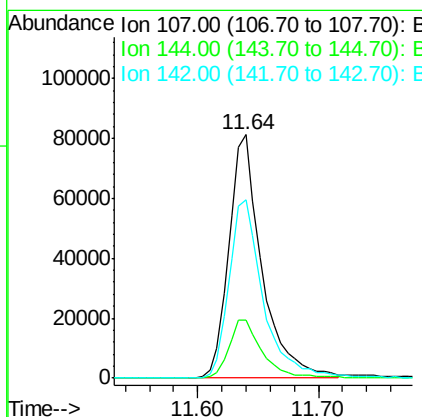
Manual Integrations
APPROVED

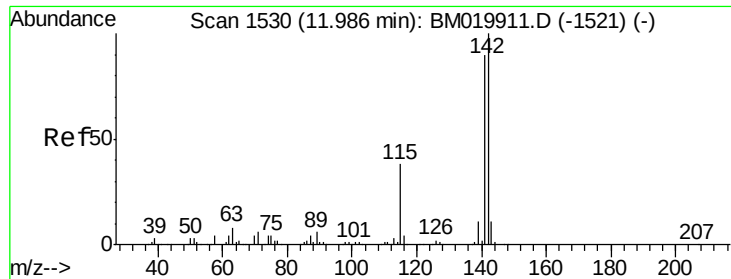
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#36
4-Chloro-3-methylphenol
Concen: 15.825 ng
RT: 11.64 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion: 107 Resp: 155140
Ion Ratio Lower Upper
107 100
144 23.7 19.8 29.8
142 73.1 60.3 90.5





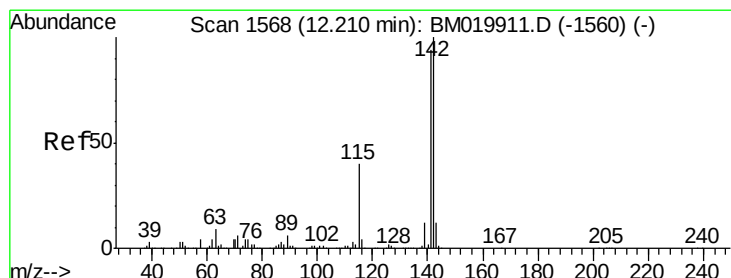
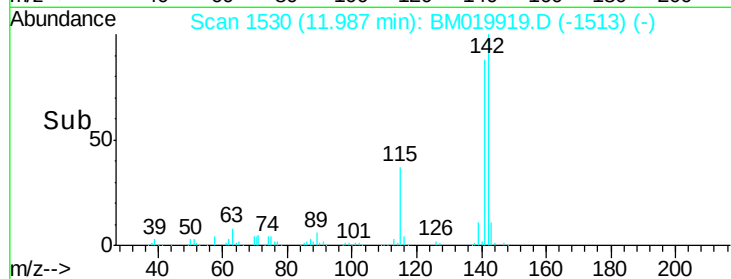
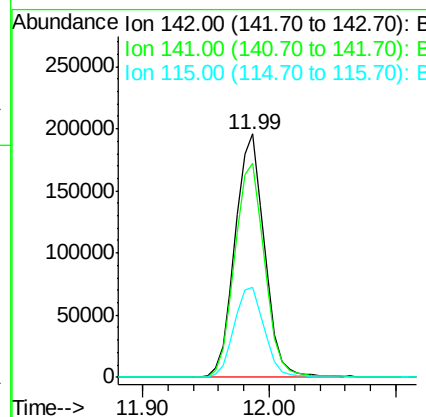
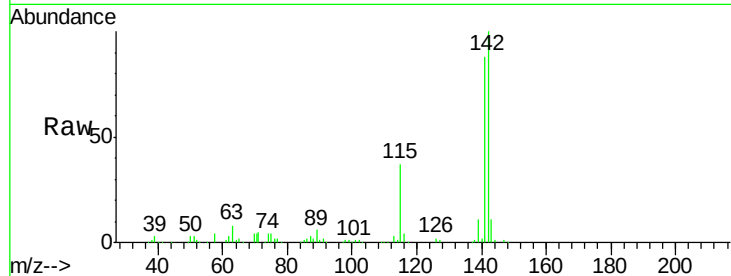
#37
 2-Methylnaphthalene
 Concen: 16.189 ng
 RT: 11.99 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.3	108.5
115	37.2	30.5	45.7

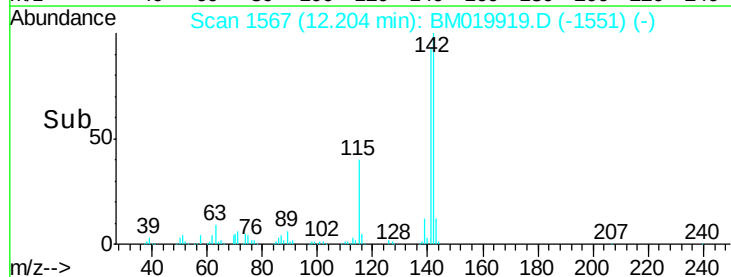
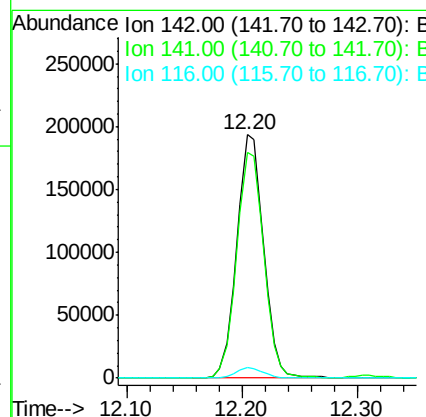
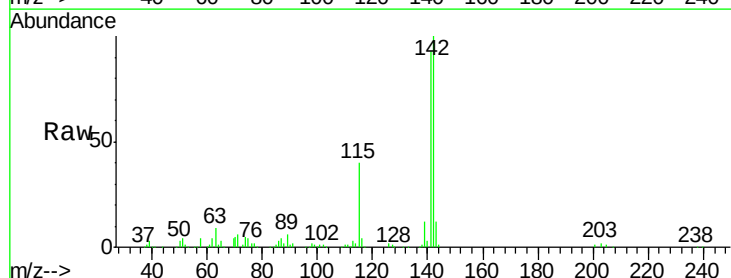
Manual Integrations
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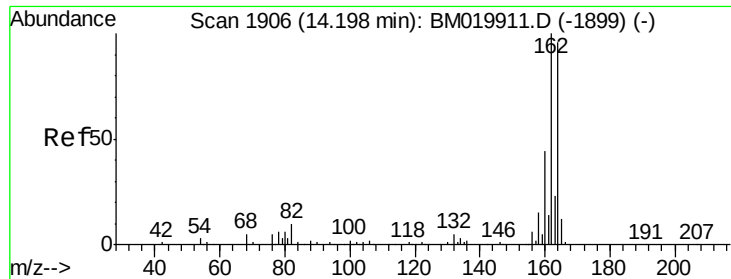
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#38
 1-Methylnaphthalene
 Concen: 16.228 ng
 RT: 12.20 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	75.7	113.5
116	4.5	3.4	5.2





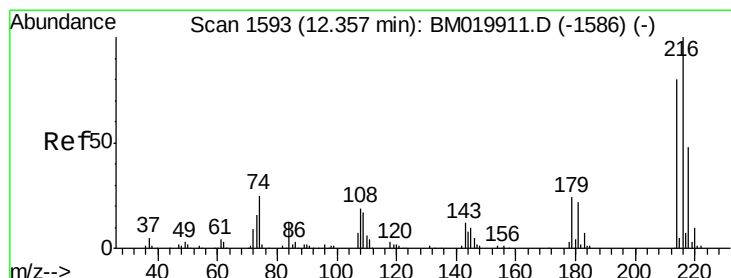
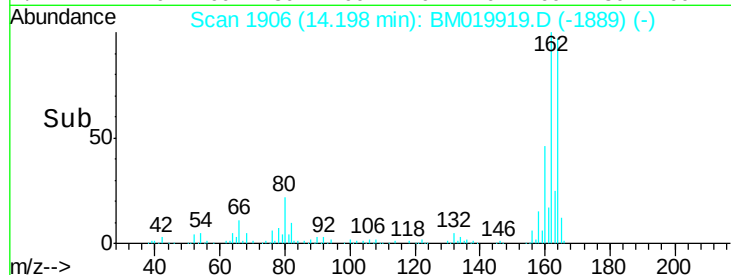
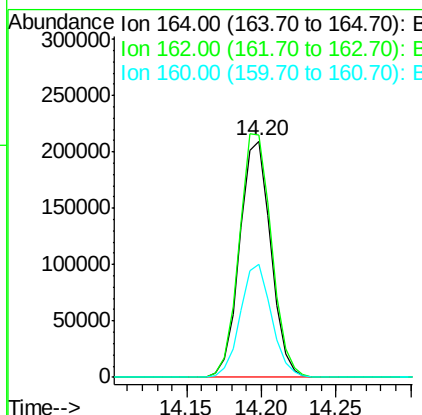
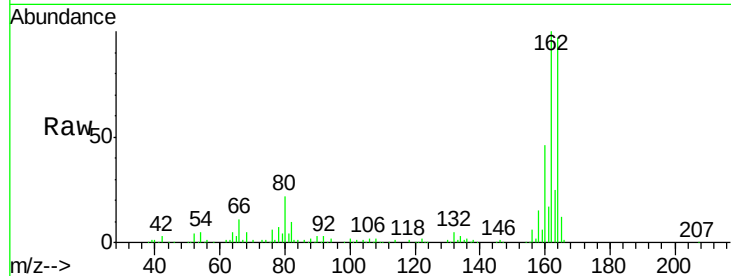
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1906
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	83.0	124.4	
160	47.5	36.6	55.0	

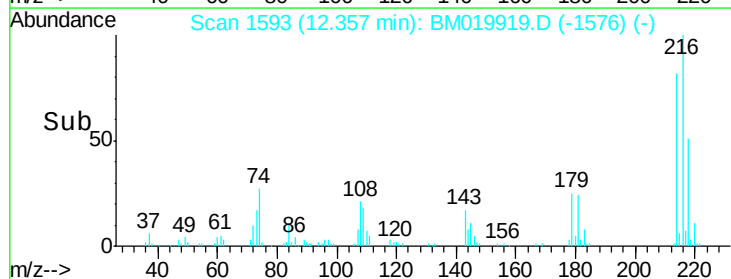
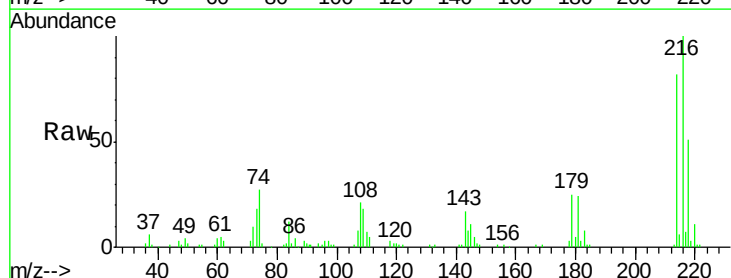
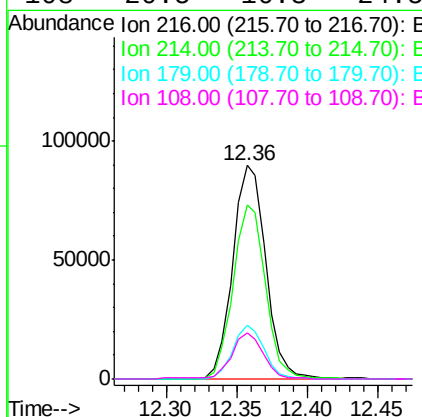
Manual Integrations
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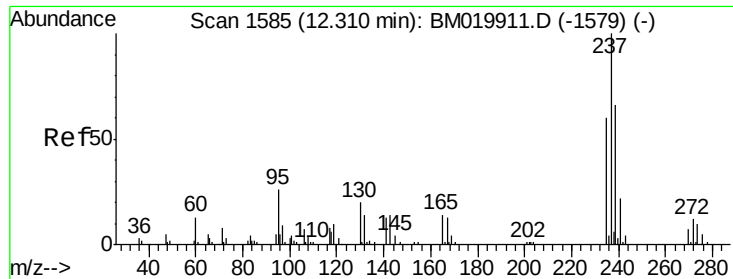
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 15.747 ng
RT: 12.36 min Scan# 1593
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.8	63.1	94.7	
179	23.6	19.0	28.6	
108	20.5	16.3	24.5	





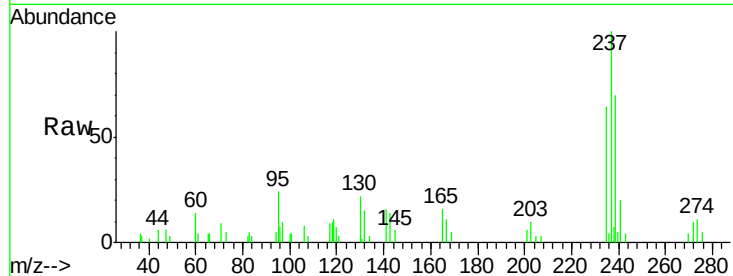
#41
Hexachlorocyclopentadiene
Concen: 16.420 ng
RT: 12.31 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

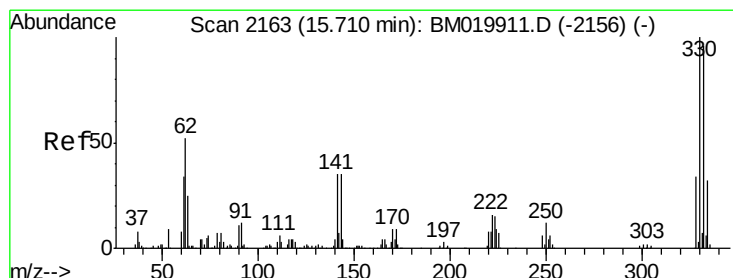
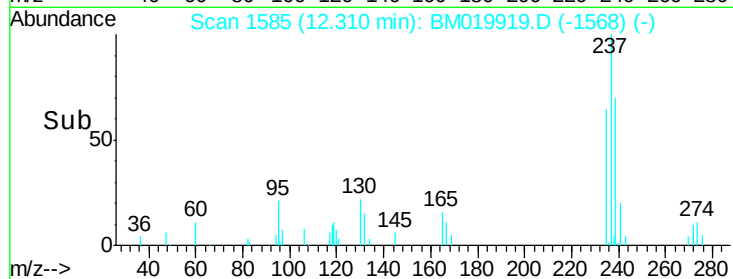
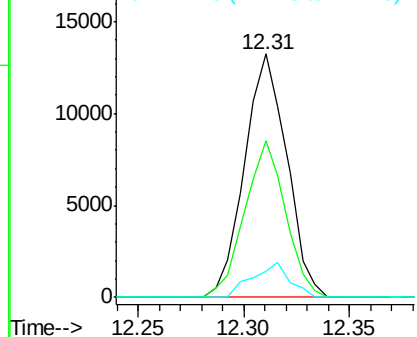
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	18387		
235	64.1	40.4	80.4	
272	10.4	0.0	32.3	

Manual Integrations
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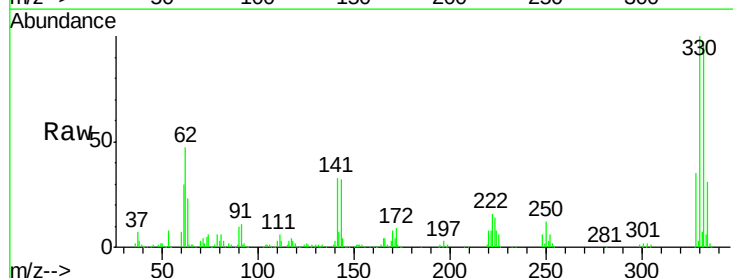


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

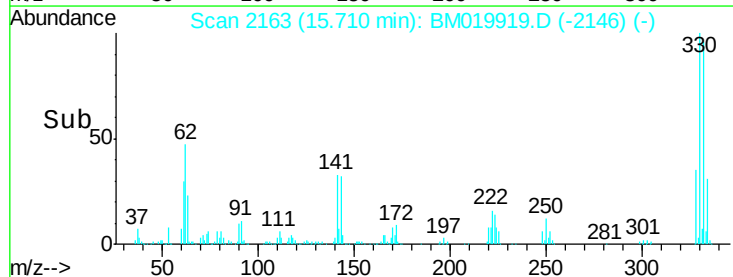
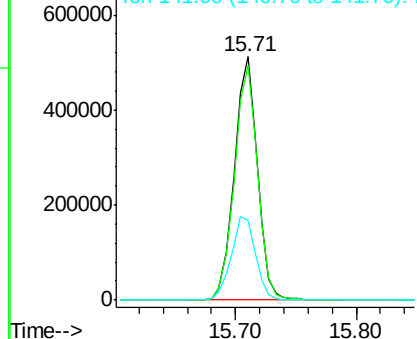


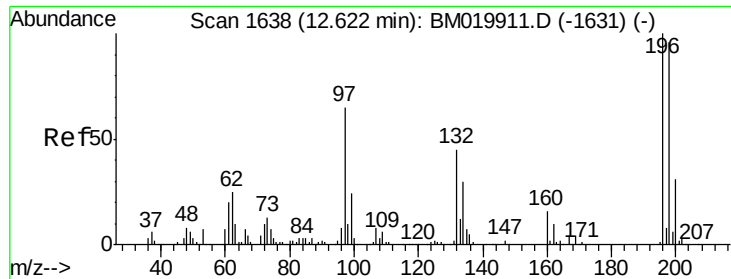
#42
2,4,6-Tribromophenol
Concen: 140.190 ng
RT: 15.71 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	682339		
332	96.8	77.4	116.2	
141	36.2	29.0	43.4	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





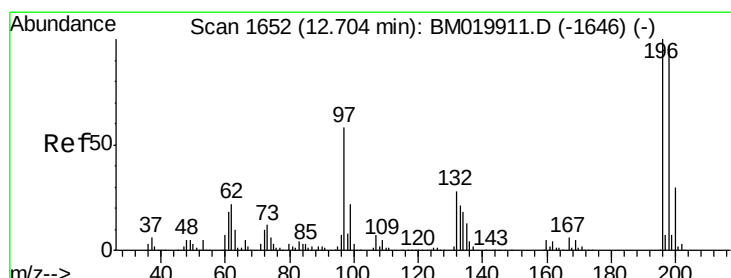
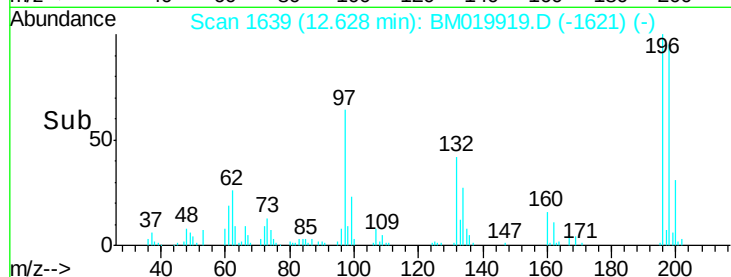
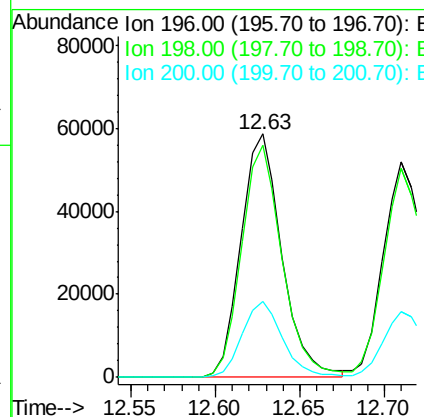
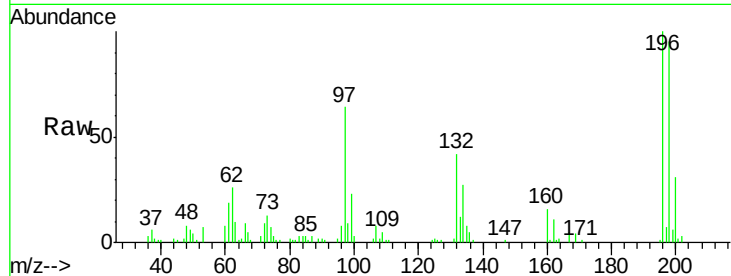
#43
 2,4,6-Trichlorophenol
 Concen: 15.623 ng
 RT: 12.63 min Scan# 1639
 Delta R.T. 0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	98798		
198	95.1	76.8	115.2	
200	31.3	24.6	37.0	

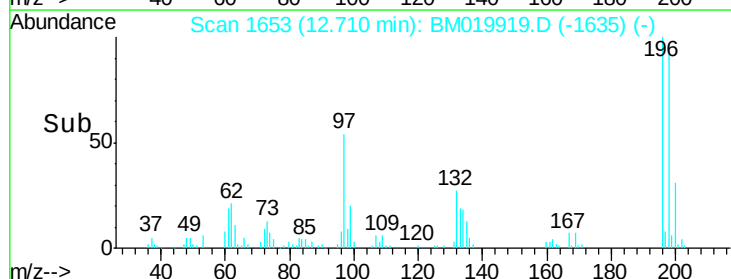
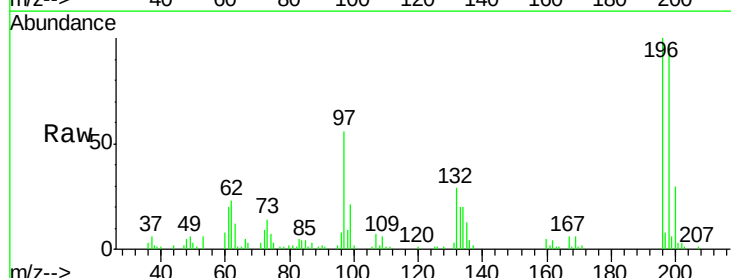
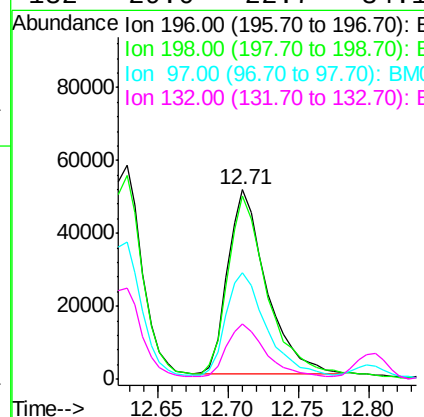
Manual Integrations
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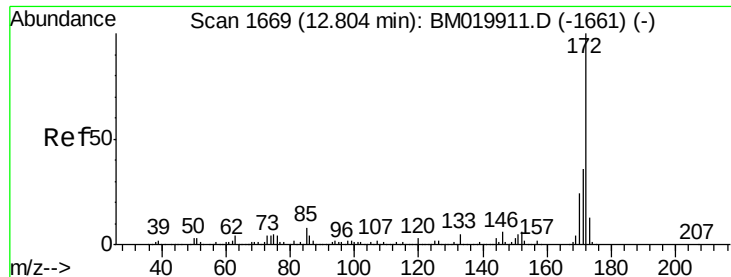
Sohil
 4/16/2019 5:25:46 PM



#44
 2,4,5-Trichlorophenol
 Concen: 14.609 ng
 RT: 12.71 min Scan# 1653
 Delta R.T. 0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	96155		
198	96.9	77.8	116.8	
97	55.9	46.2	69.2	
132	29.0	22.7	34.1	





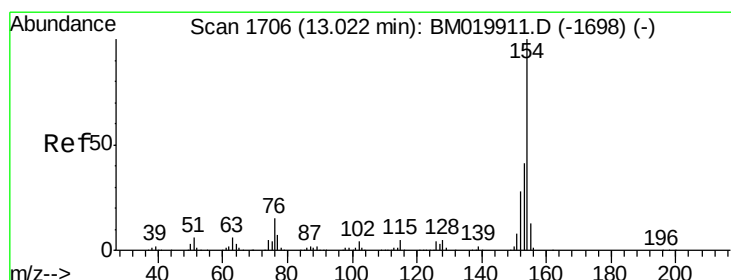
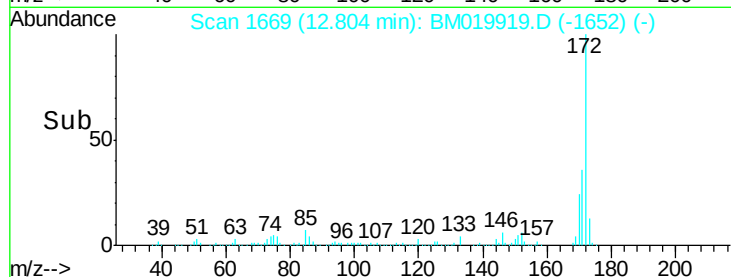
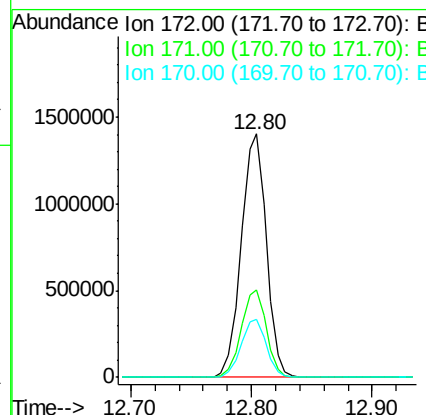
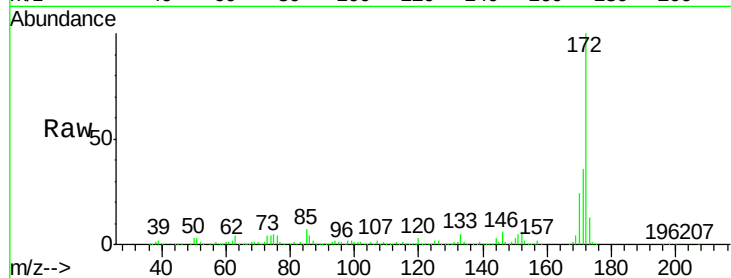
#45
 2-Fluorobiphenyl
 Concen: 83.949 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.8	19.0	28.4

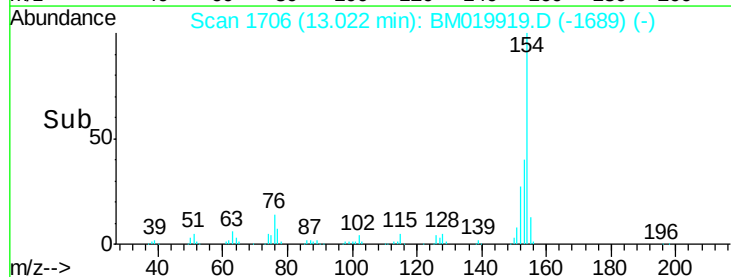
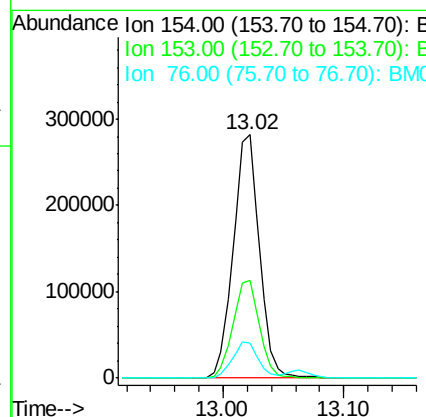
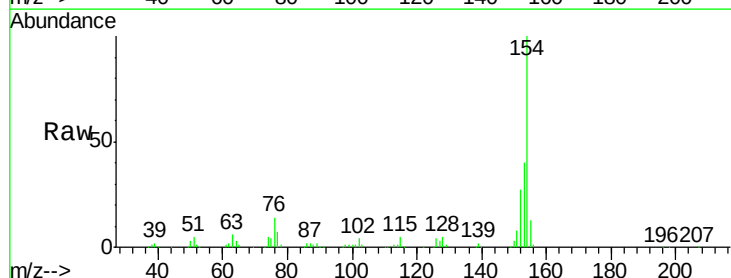
Manual Integrations
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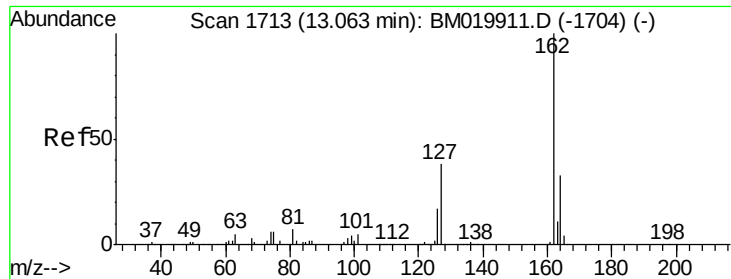
Sohil
 4/16/2019 5:25:46 PM



#46
 1,1'-Biphenyl
 Concen: 16.272 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.0	61.0
76	14.3	0.0	34.8





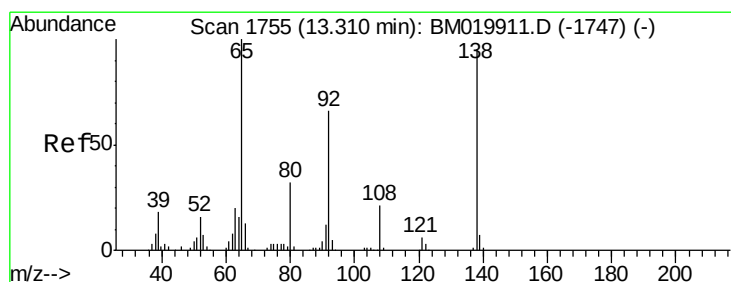
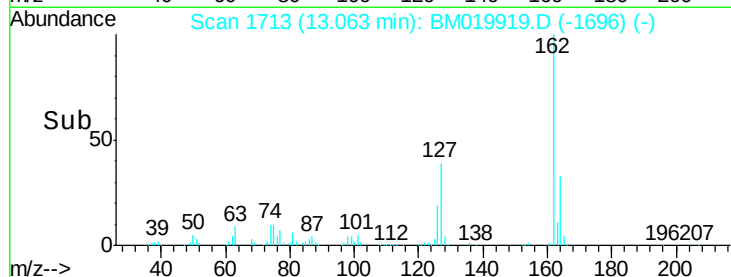
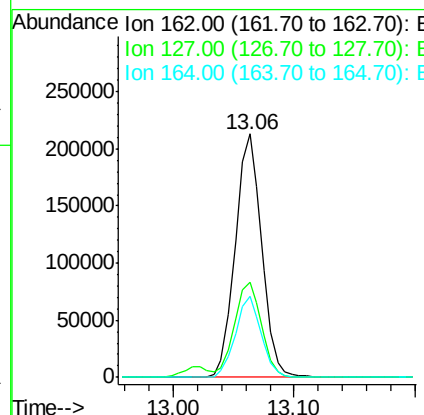
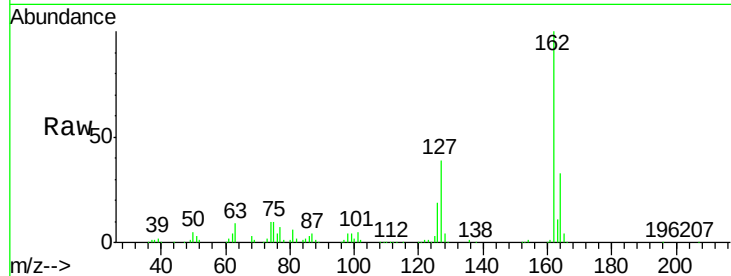
#47
 2-Chloronaphthalene
 Concen: 16.276 ng
 RT: 13.06 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.3	48.5
164	33.1	26.3	39.5

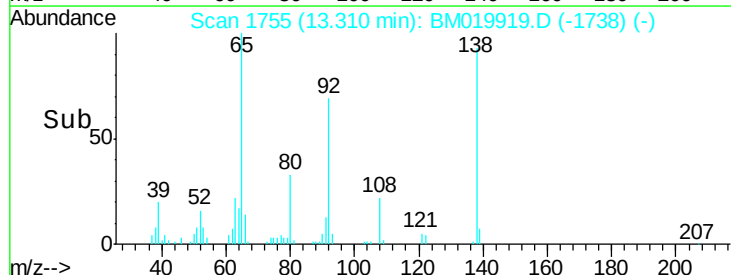
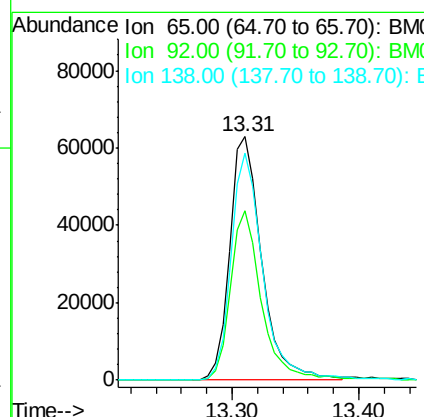
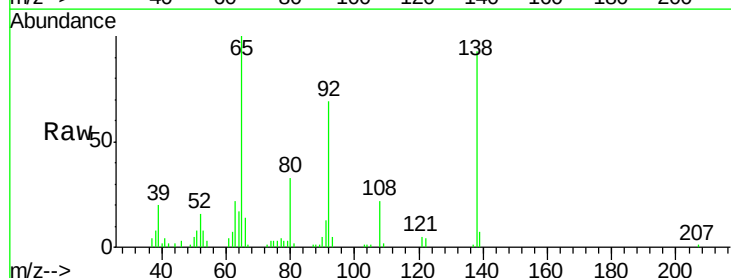
Manual Integrations
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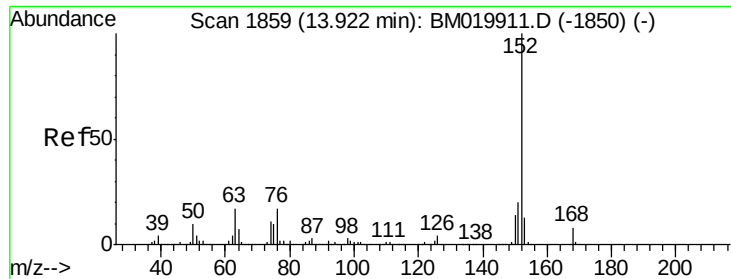
Sohil
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#48
 2-Nitroaniline
 Concen: 15.289 ng
 RT: 13.31 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.4	52.9	79.3
138	93.3	75.8	113.6





#49

Acenaphthylene

Concen: 16.039 ng

RT: 13.92 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

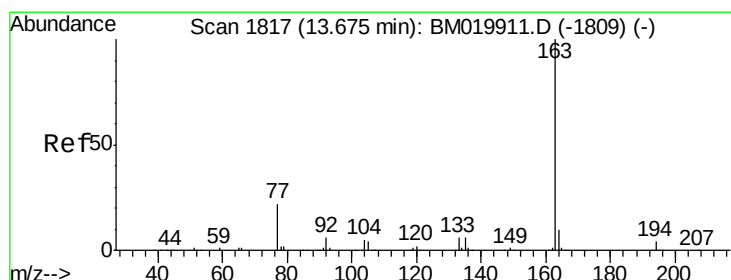
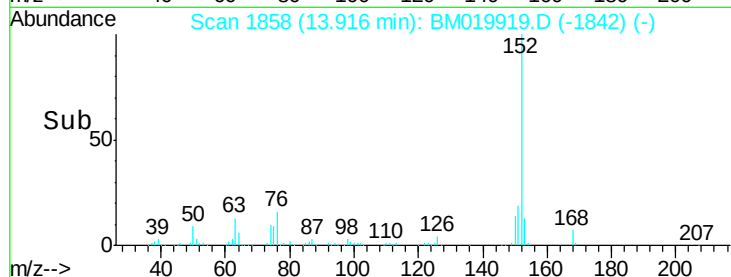
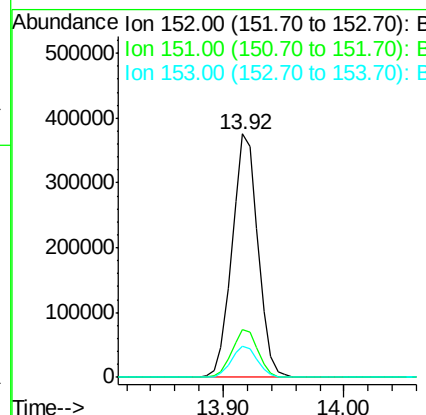
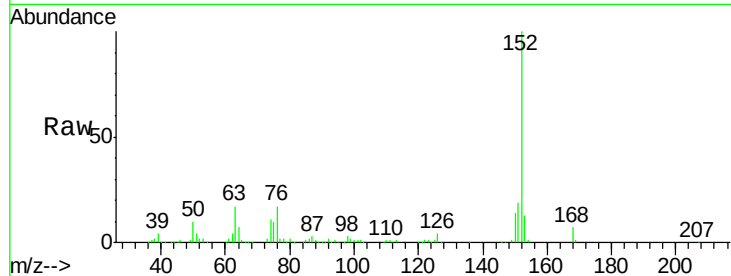
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	152	Resp:	557452
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.2
153	13.0	10.6	16.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 16.387 ng

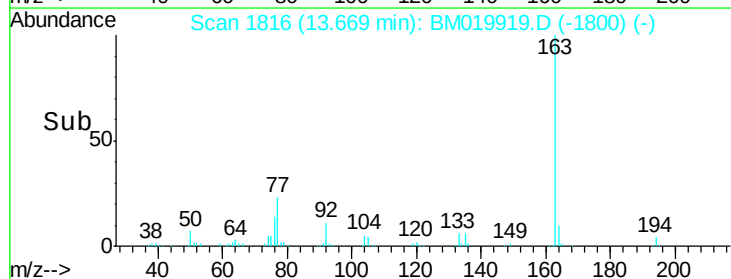
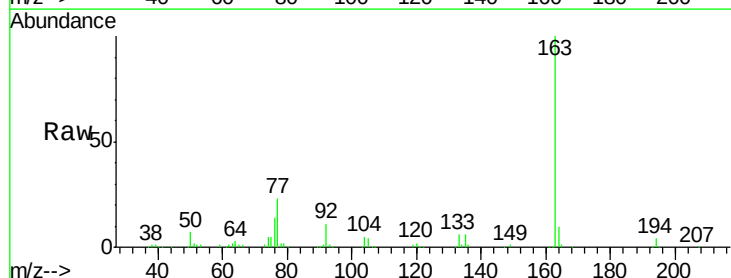
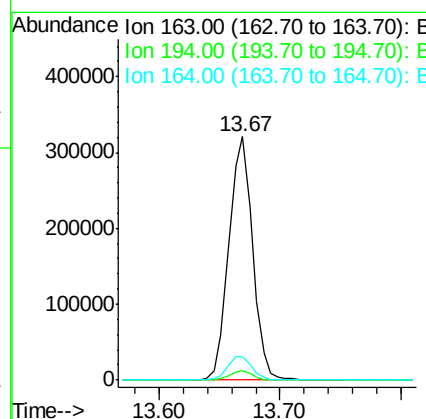
RT: 13.67 min Scan# 1816

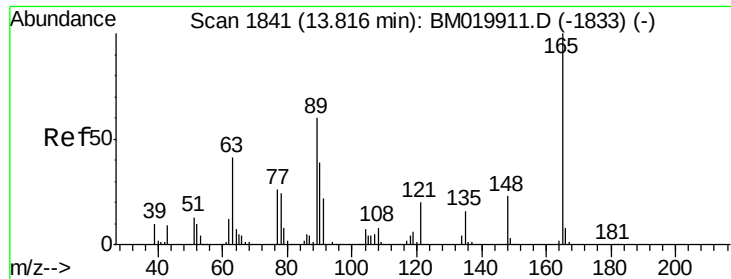
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	163	Resp:	437048
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.8	7.9	11.9





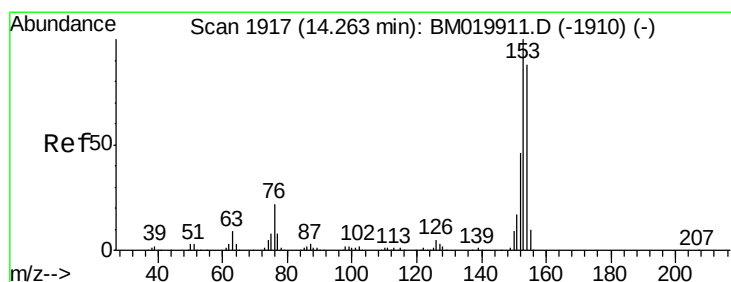
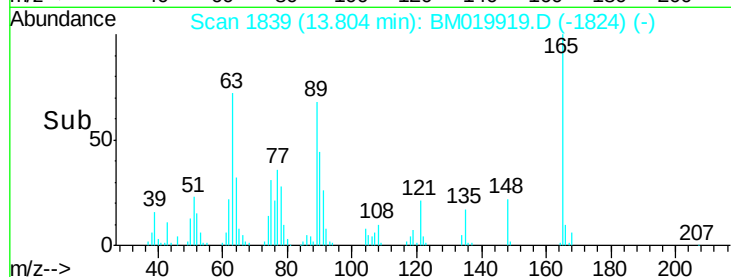
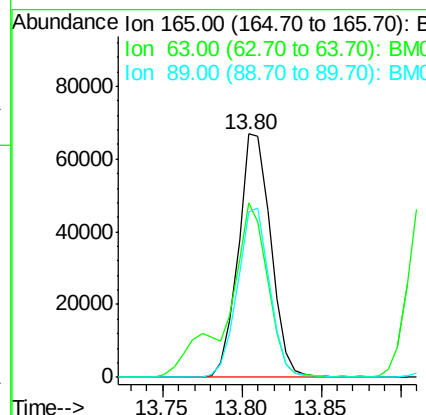
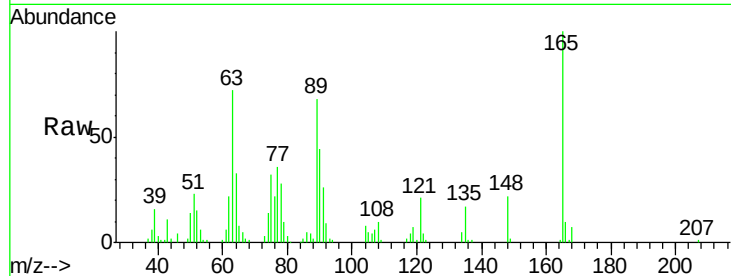
#51
 2,6-Dinitrotoluene
 Concen: 16.061 ng
 RT: 13.80 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	94721		
63	71.6	48.5	72.7	
89	68.2	48.2	72.4	

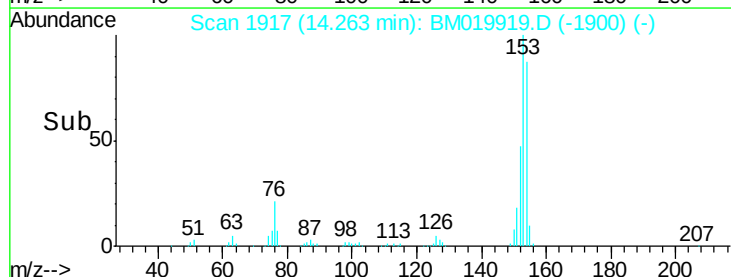
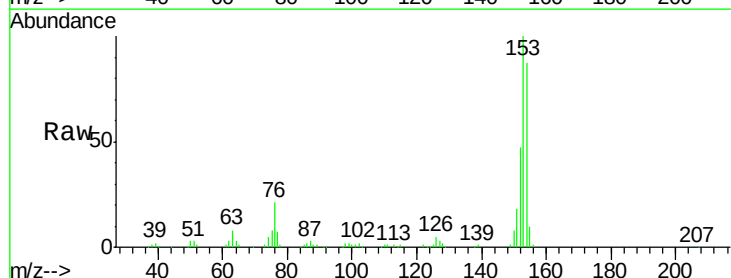
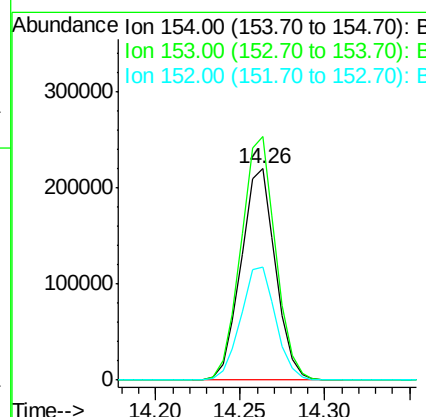
Manual Integrations
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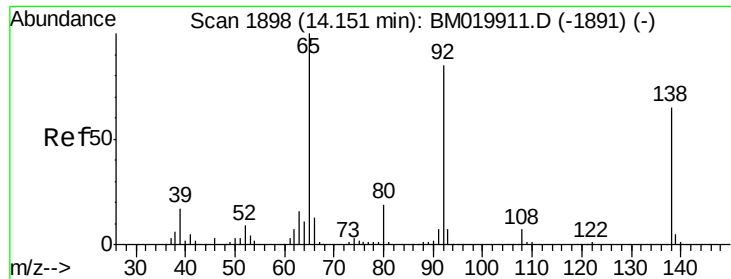
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#52
 Acenaphthene
 Concen: 16.209 ng
 RT: 14.26 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	312372		
153	115.2	91.0	136.4	
152	53.6	42.2	63.2	





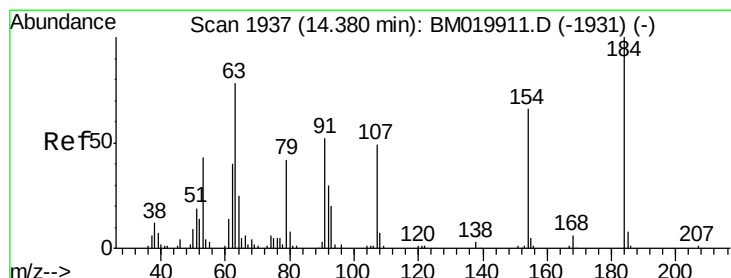
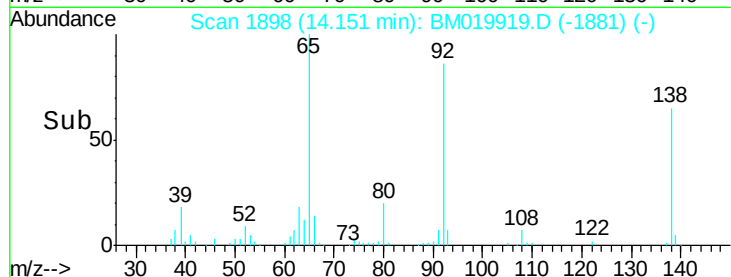
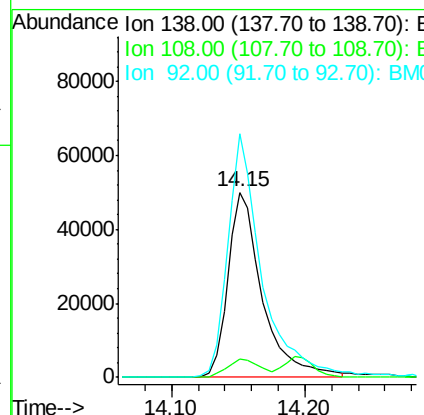
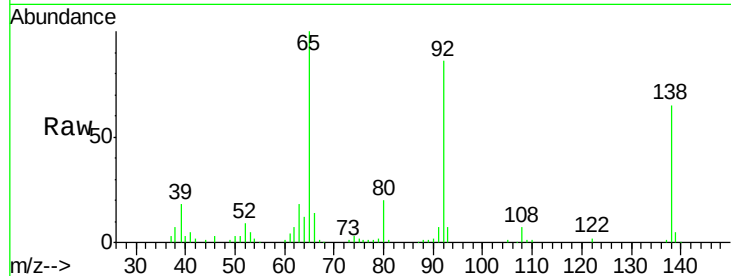
#53
3-Nitroaniline
Concen: 15.262 ng
RT: 14.15 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:138 Resp: 89879
Ion Ratio Lower Upper
138 100
108 10.2 8.9 13.3
92 131.8 103.8 155.8

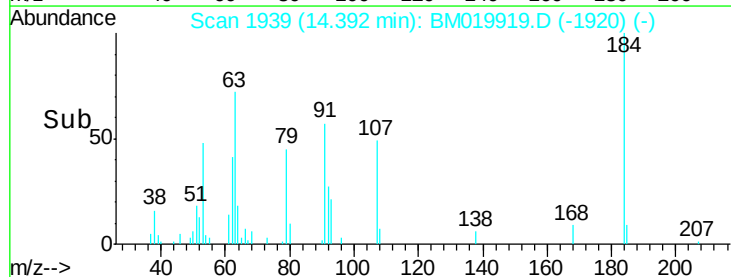
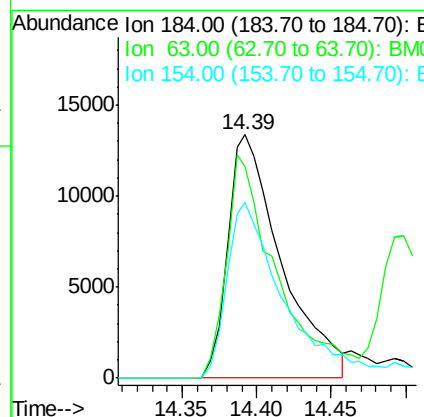
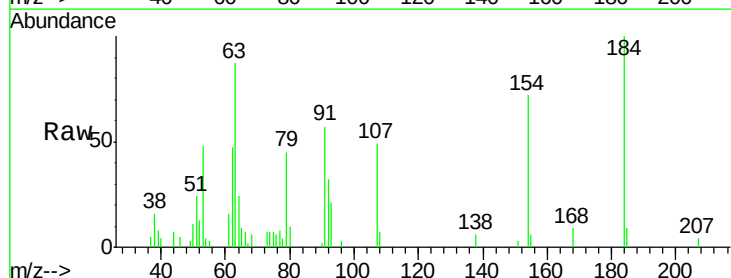
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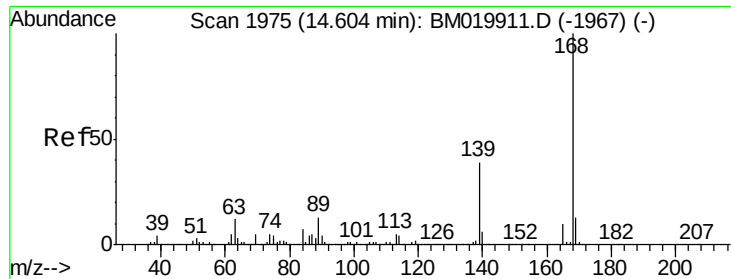
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#54
2,4-Dinitrophenol
Concen: 16.098 ng
RT: 14.39 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion:184 Resp: 33487
Ion Ratio Lower Upper
184 100
63 87.1 62.3 93.5
154 72.1 53.0 79.6





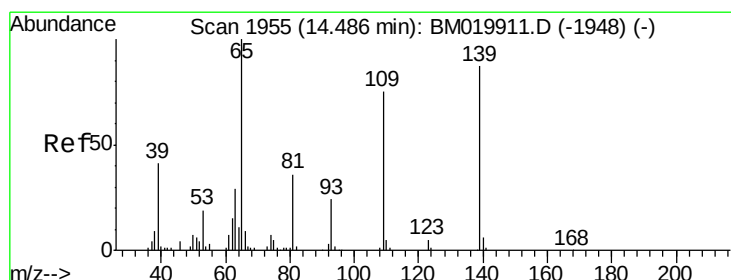
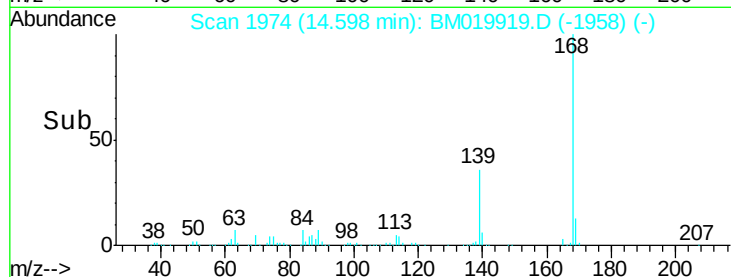
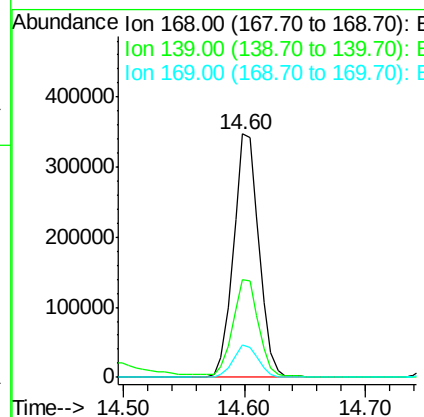
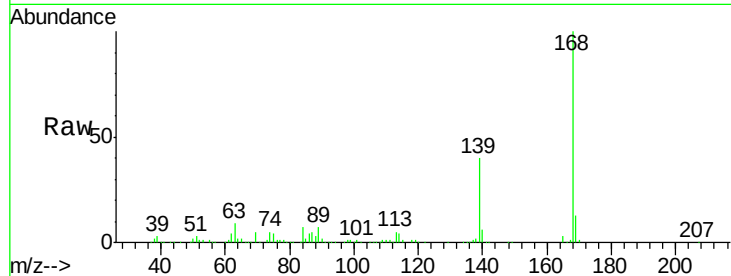
#55
Dibenzenofuran
Concen: 16.116 ng
RT: 14.60 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	507879		
139	40.3	31.5	47.3	
169	13.4	10.6	16.0	

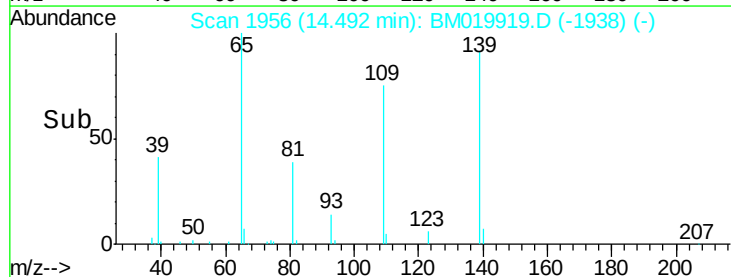
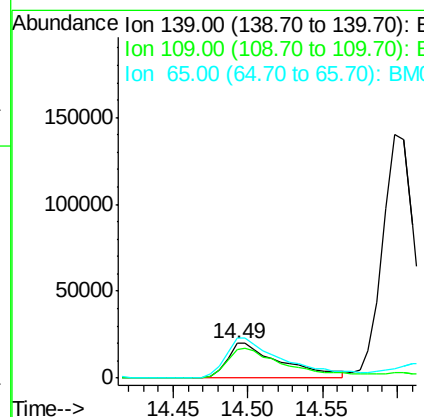
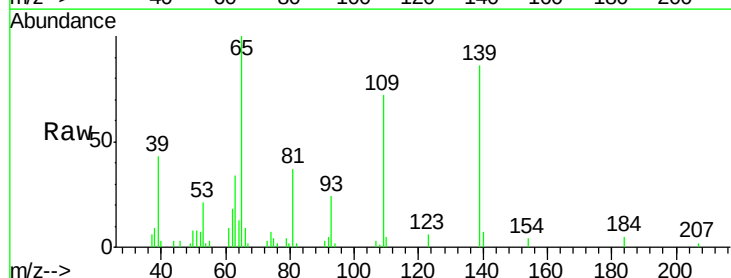
Manual Integrations
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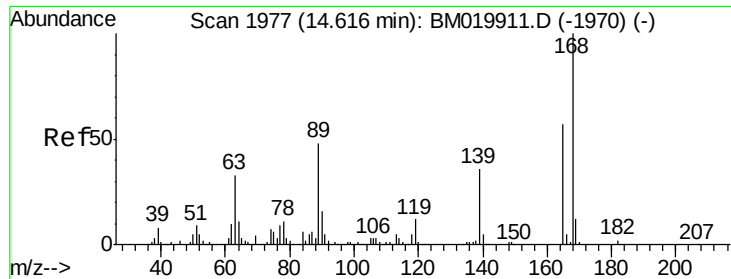
Sohil
4/16/2019 5:25:46 PM



#56
4-Nitrophenol
Concen: 16.081 ng
RT: 14.49 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	51248		
109	82.9	65.3	105.3	
65	115.9	94.9	134.9	





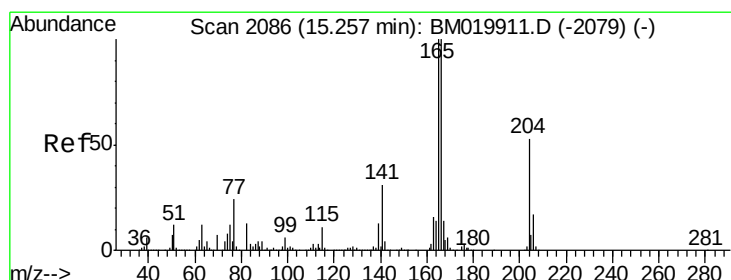
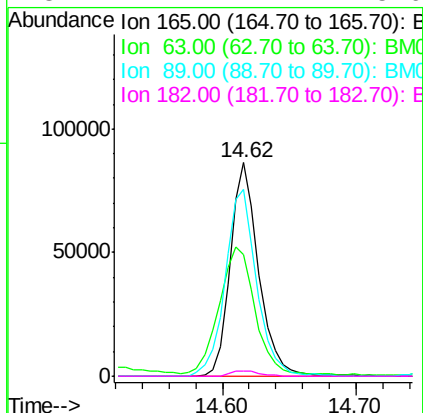
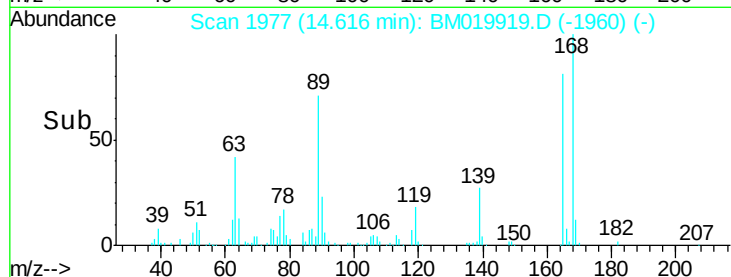
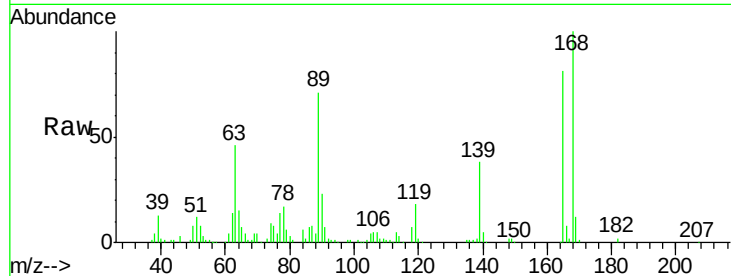
#57
2,4-Dinitrotoluene
Concen: 15.061 ng
RT: 14.62 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	127679		
63	57.1	46.0	69.0	
89	87.2	67.5	101.3	
182	2.4	2.4	3.6#	

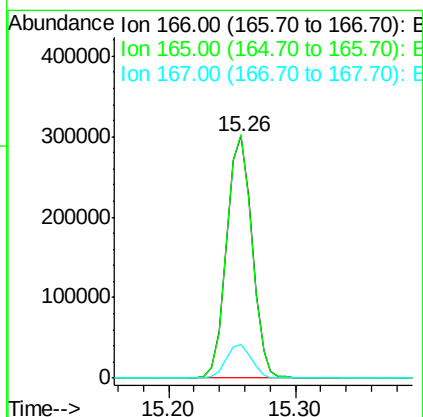
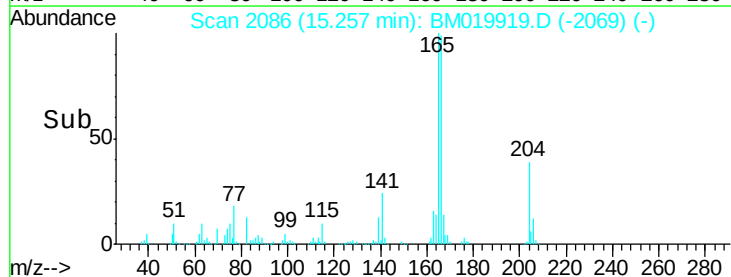
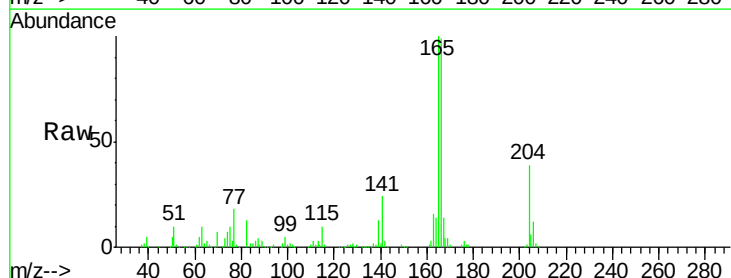
Manual Integrations
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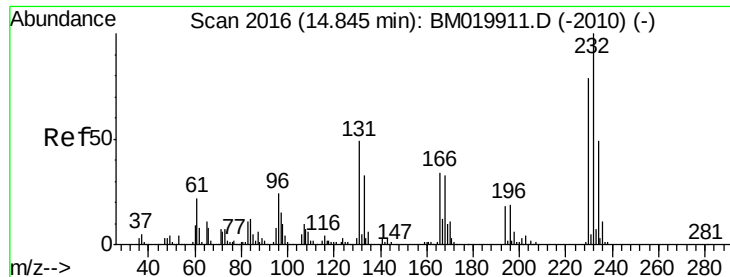
Sohil
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#58
Fluorene
Concen: 15.587 ng
RT: 15.26 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	416229		
165	100.6	80.1	120.1	
167	13.7	11.0	16.4	





#59

2,3,4,6-Tetrachlorophenol

Concen: 15.814 ng

RT: 14.84 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

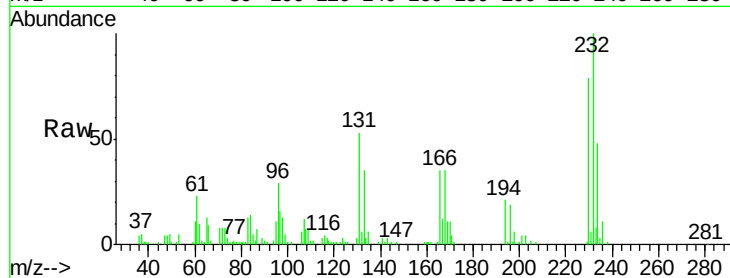
ClientSampled :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	232	Resp:	94972
Ion Ratio	Lower	Upper	
232	100		
131	54.9	42.1	63.1
130	2.8	2.2	3.4
166	34.8	28.1	42.1

Manual Integrations
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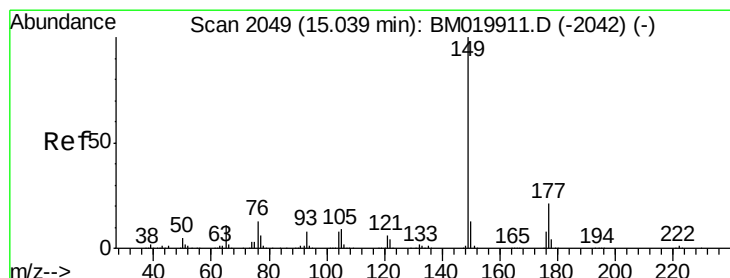
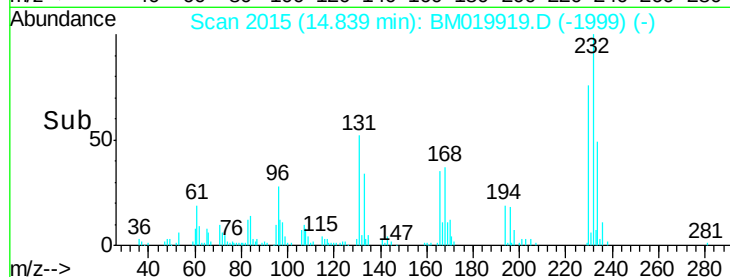
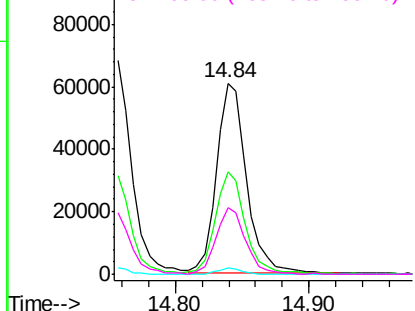


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 16.153 ng

RT: 15.04 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BM019919.D

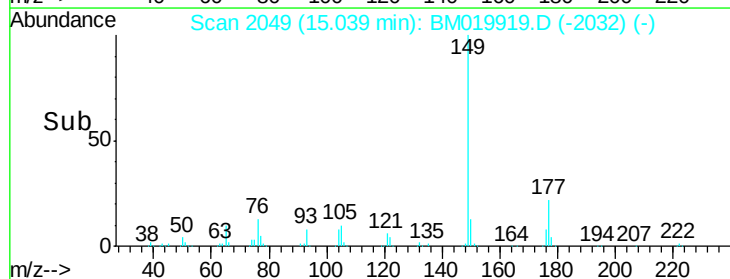
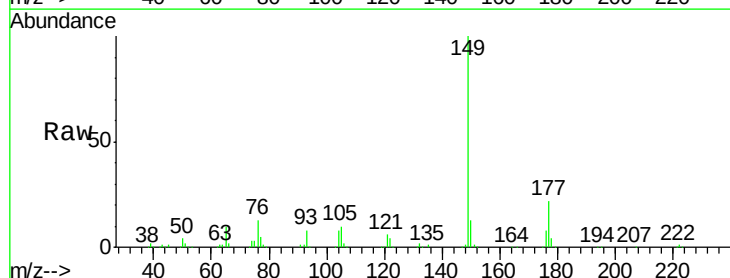
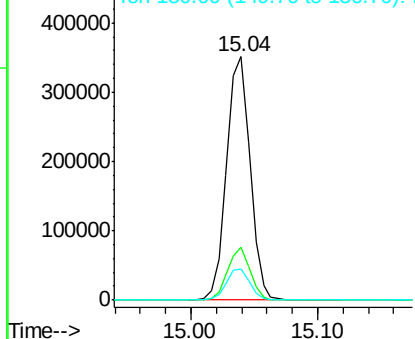
Acq: 15 Apr 2019 18:35

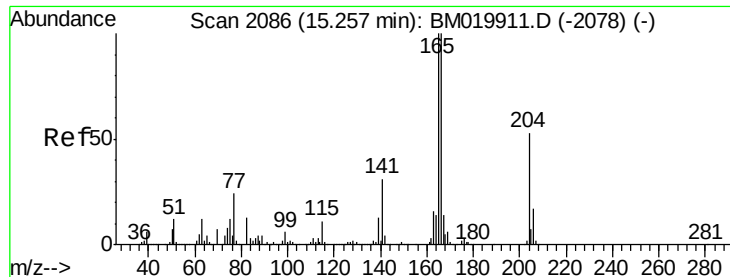
Tgt Ion:	149	Resp:	448060
Ion Ratio	Lower	Upper	
149	100		
177	21.5	16.6	25.0
150	12.8	10.0	15.0

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





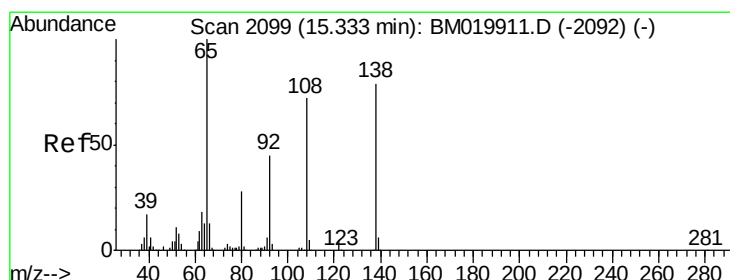
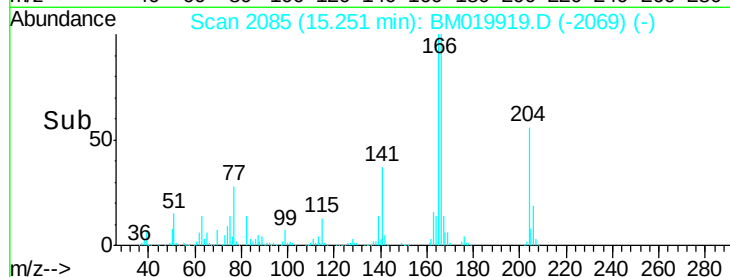
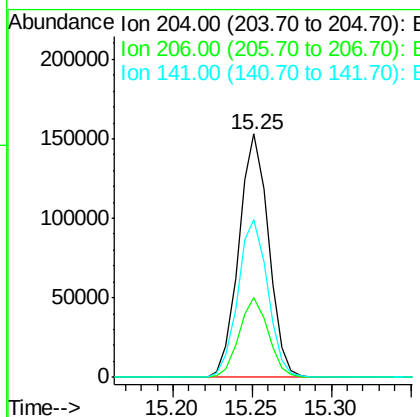
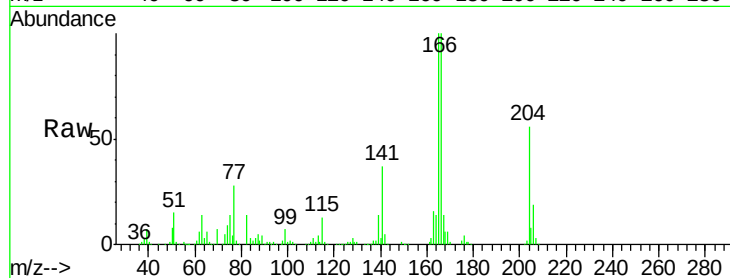
#61
 4-Chlorophenyl-phenylether
 Concen: 15.503 ng
 RT: 15.25 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	199317		
206	33.0	25.8	38.8	
141	64.8	47.0	70.4	

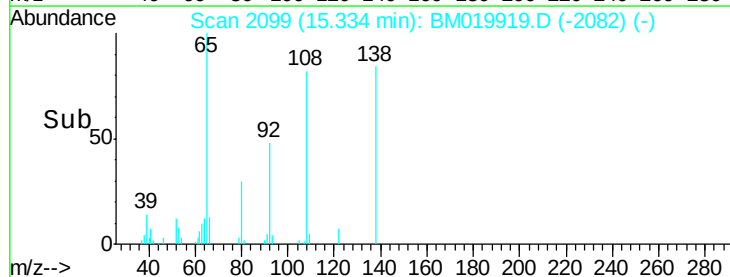
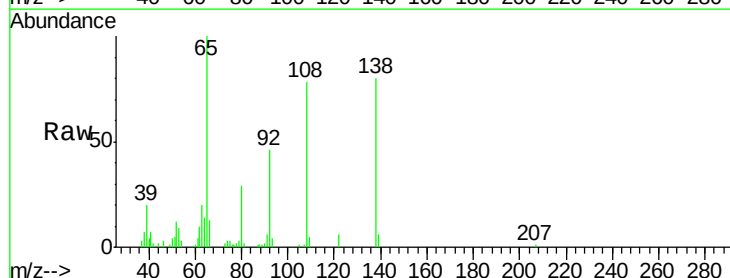
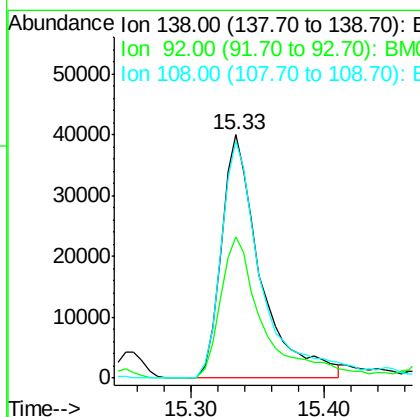
Manual Integrations
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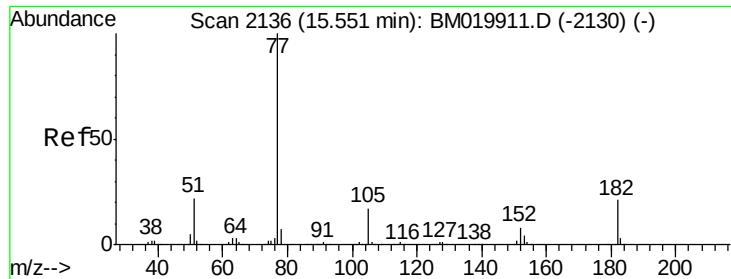
Sohil
 4/16/2019 5:25:46 PM



#62
 4-Nitroaniline
 Concen: 14.064 ng
 RT: 15.33 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	81602		
92	57.9	36.8	76.8	
108	97.2	71.5	111.5	





#63

Azobenzene

Concen: 16.282 ng

RT: 15.55 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

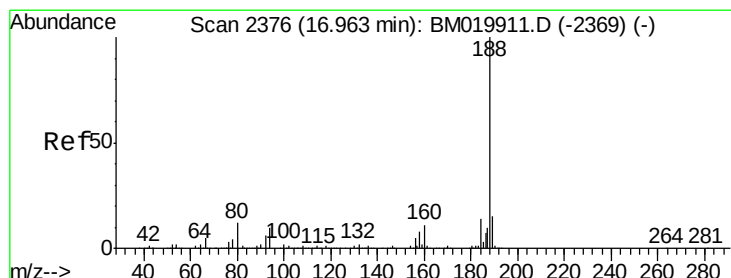
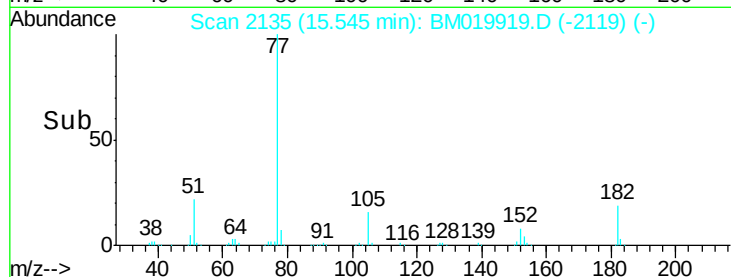
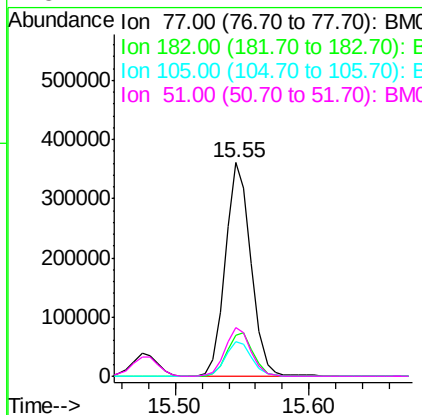
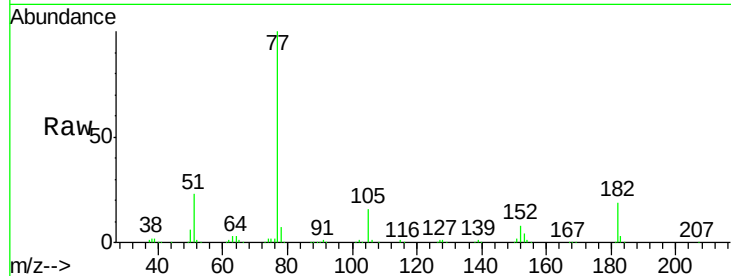
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.4	1.0	41.0
105	16.4	0.0	37.1
51	22.7	2.1	42.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

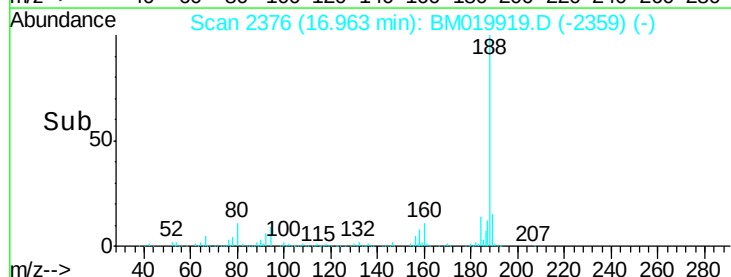
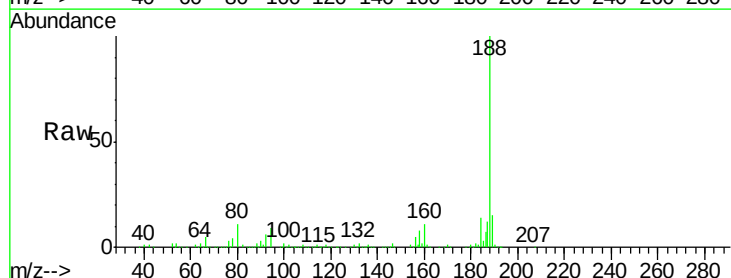
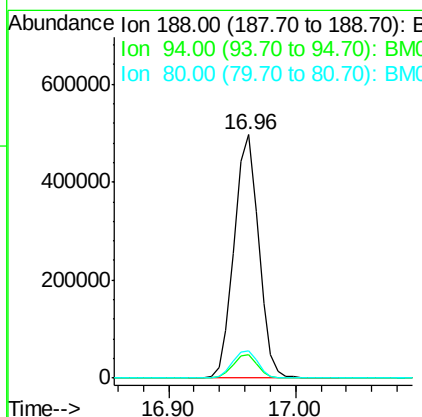
RT: 16.96 min Scan# 2376

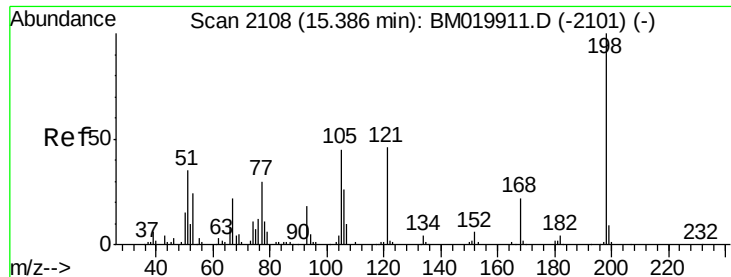
Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	11.1	9.4	14.0





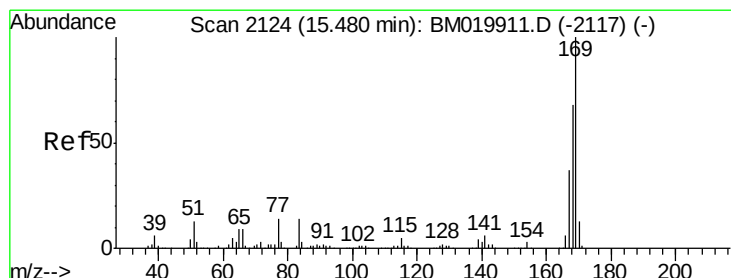
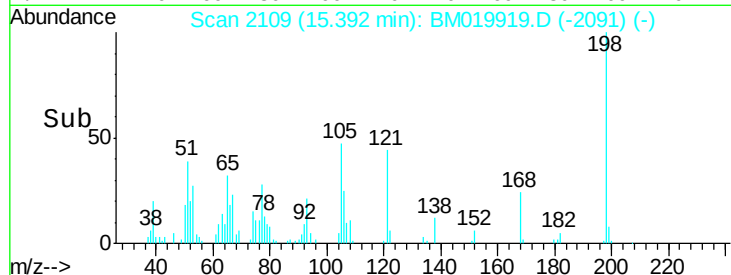
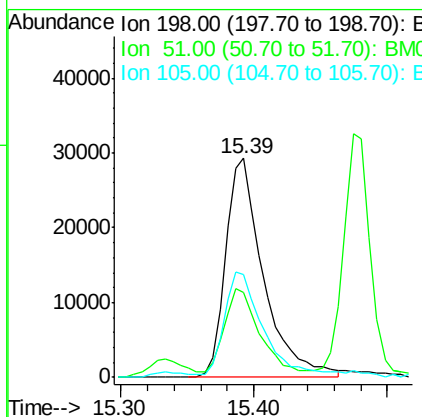
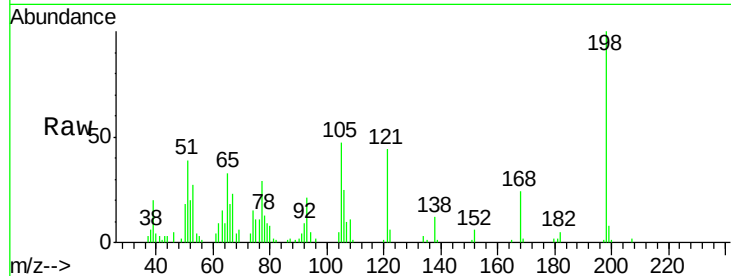
#65
4,6-Dinitro-2-methylphenol
Concen: 13.621 ng
RT: 15.39 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	57930		
51	38.9	17.9	57.9	
105	47.2	26.1	66.1	

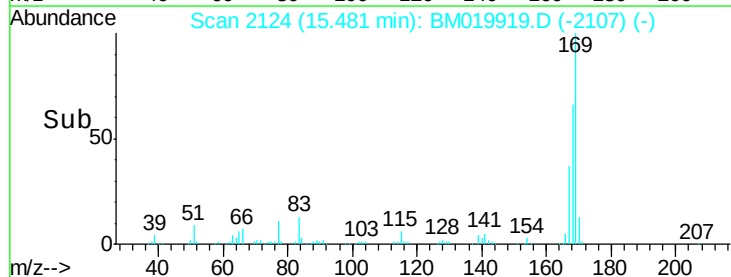
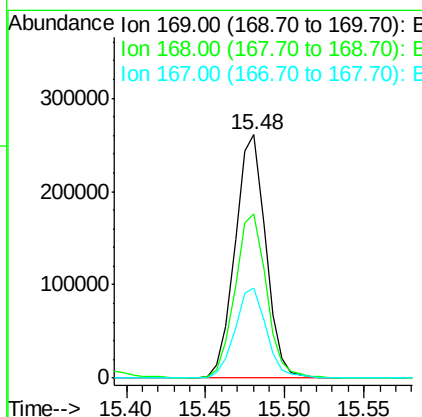
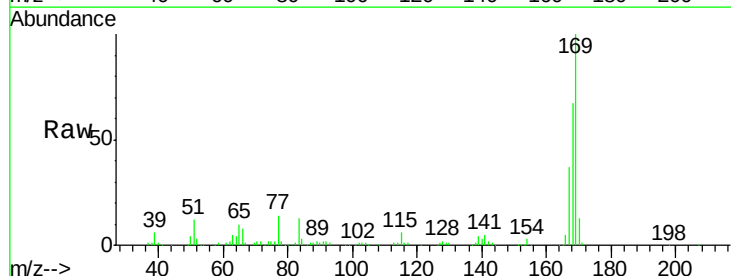
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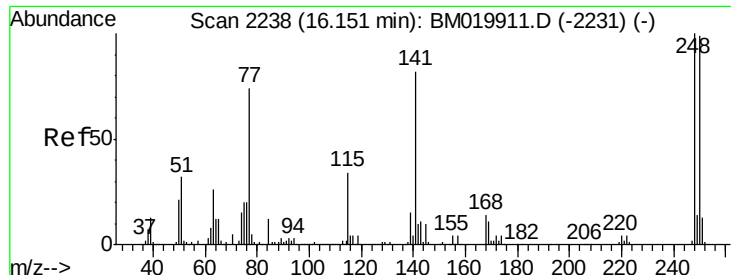
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#66
n-Nitrosodiphenylamine
Concen: 16.037 ng
RT: 15.48 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	349482		
168	67.2	54.7	82.1	
167	36.7	29.4	44.0	





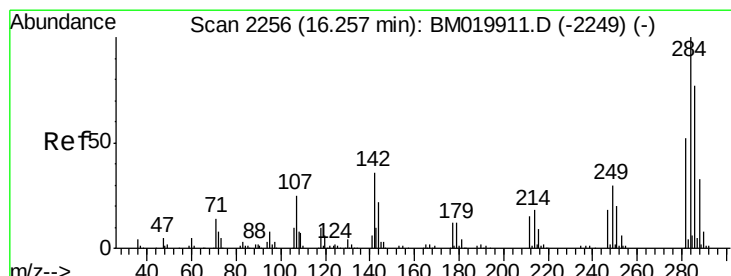
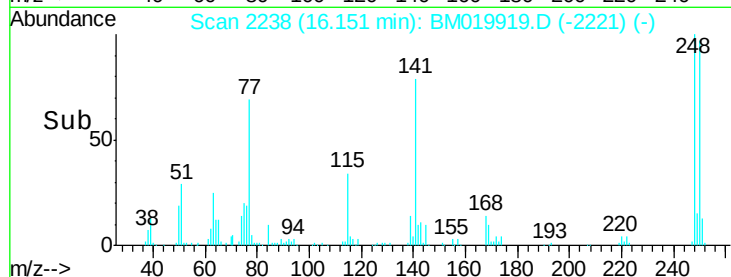
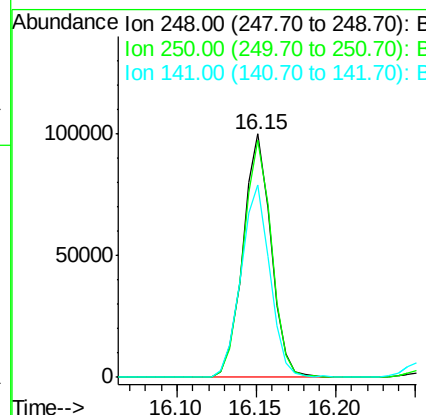
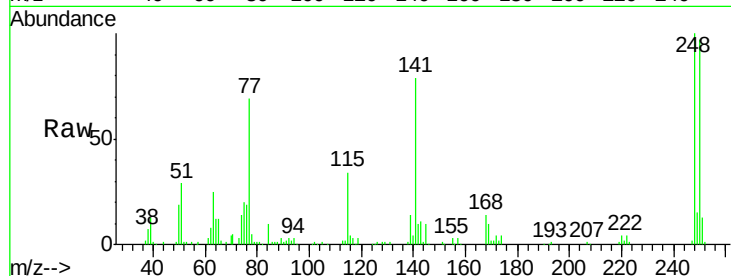
#67
 4-Bromophenyl-phenylether
 Concen: 15.977 ng
 RT: 16.15 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.9	118.3
141	78.9	65.6	98.4

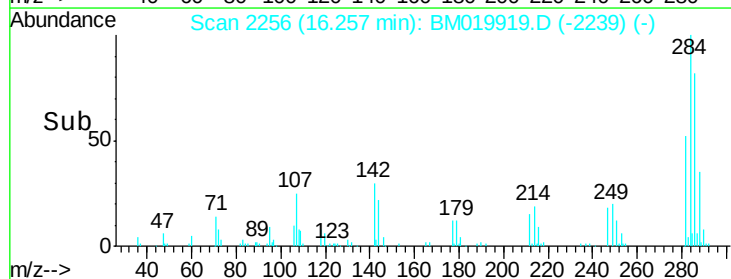
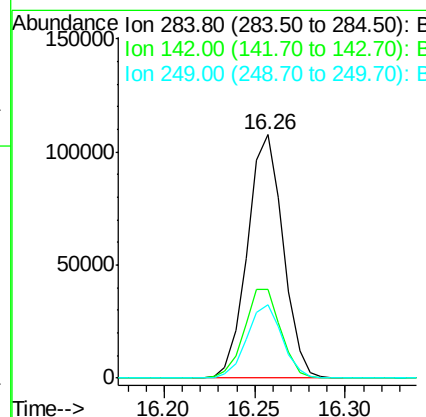
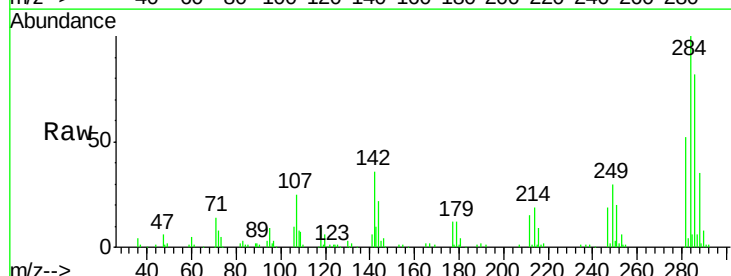
Manual Integrations
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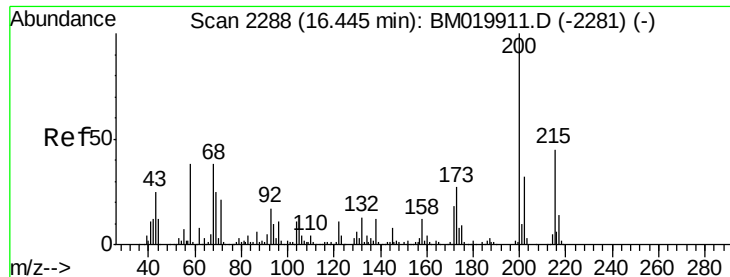
Sohil
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#68
 Hexachlorobenzene
 Concen: 15.989 ng
 RT: 16.26 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.9	43.3
249	30.1	23.8	35.6





#69

Atrazine

Concen: 16.934 ng

RT: 16.44 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

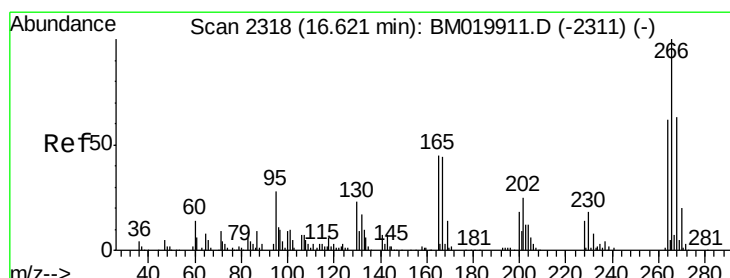
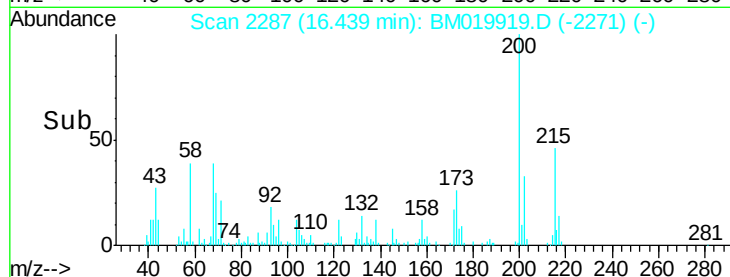
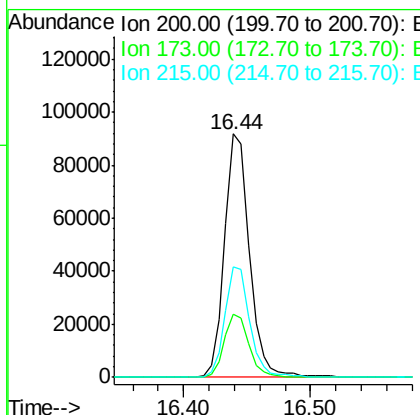
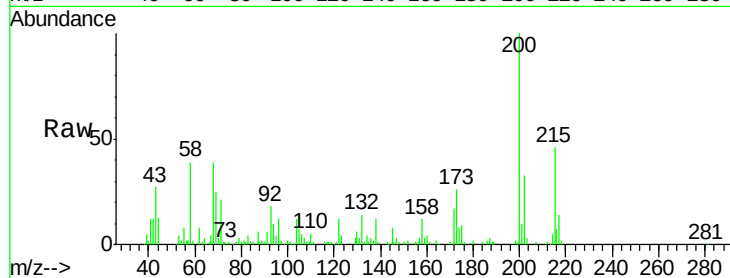
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	200	Resp:	125273
Ion Ratio	Lower	Upper	
200	100		
173	25.9	7.2	47.2
215	45.5	25.4	65.4

Manual Integrations
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#70

Pentachlorophenol

Concen: 14.120 ng

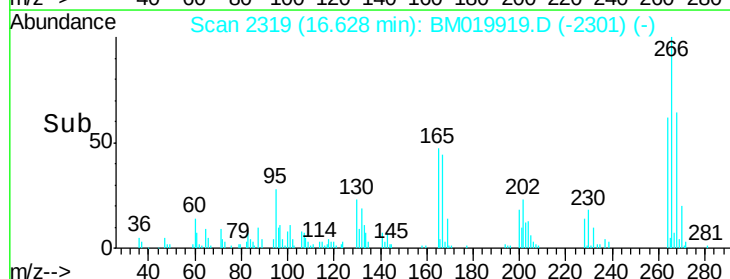
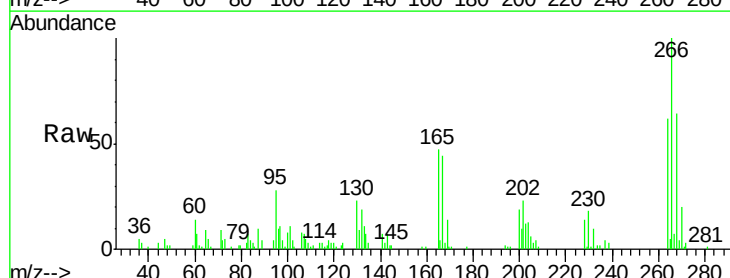
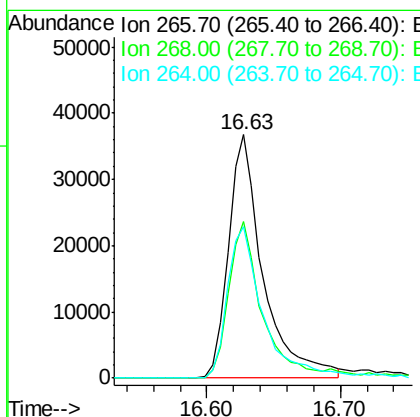
RT: 16.63 min Scan# 2319

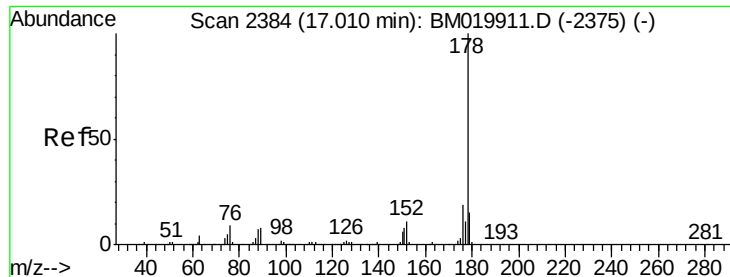
Delta R.T. 0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	266	Resp:	66343
Ion Ratio	Lower	Upper	
266	100		
268	64.4	50.3	75.5
264	62.1	49.8	74.8





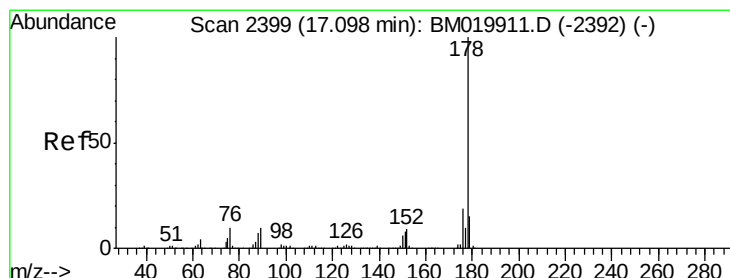
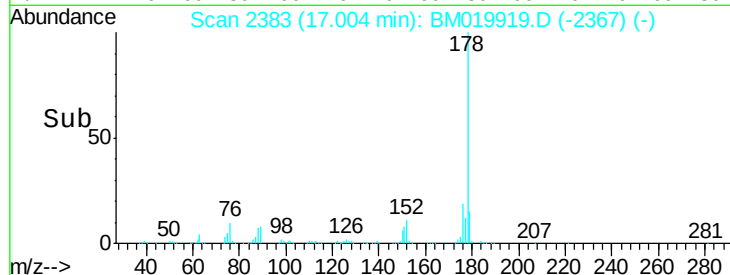
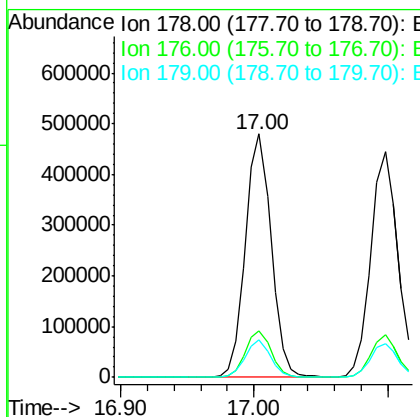
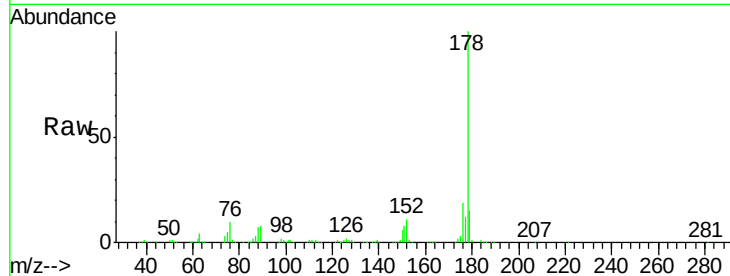
#71
Phenanthrene
Concen: 16.153 ng
RT: 17.00 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.2	12.2	18.4

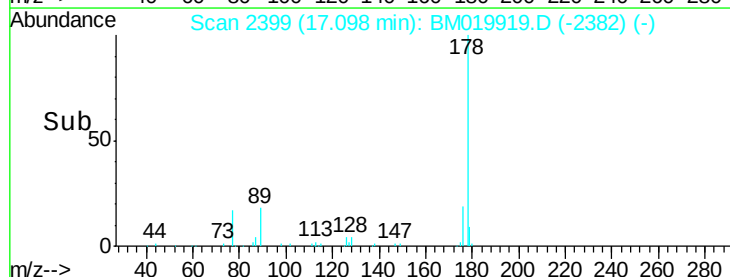
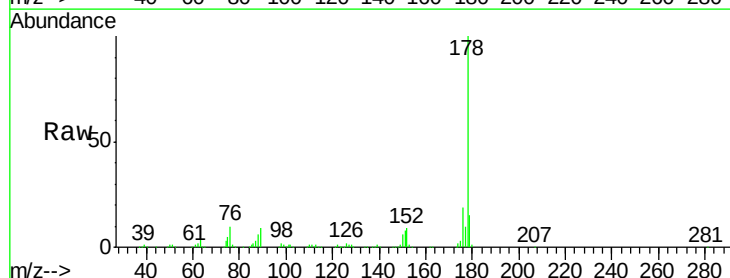
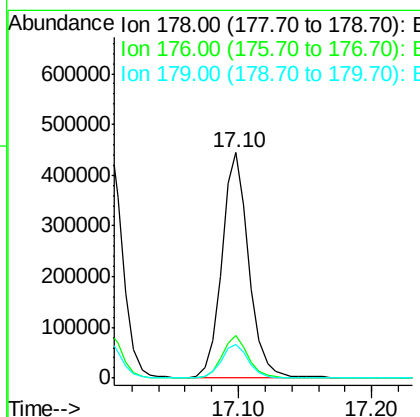
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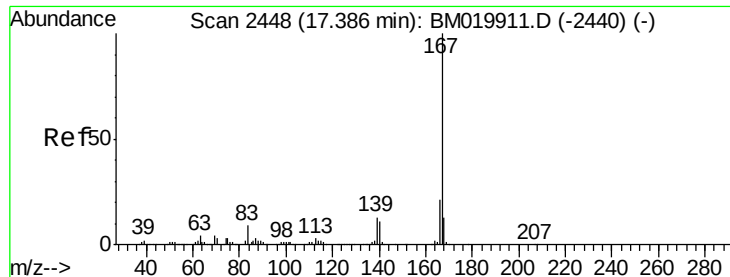
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#72
Anthracene
Concen: 15.817 ng
RT: 17.10 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	14.7	12.2	18.4





#73

Carbazole

Concen: 15.735 ng

RT: 17.39 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

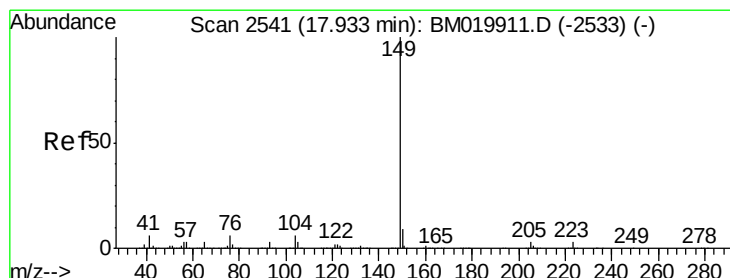
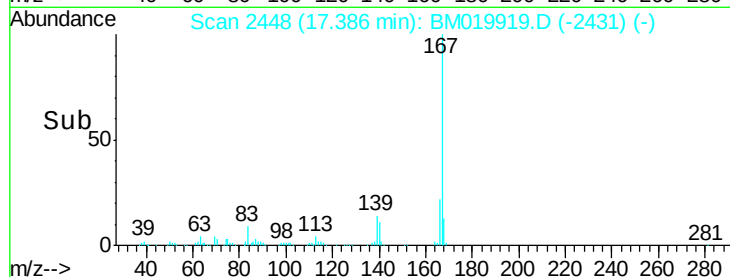
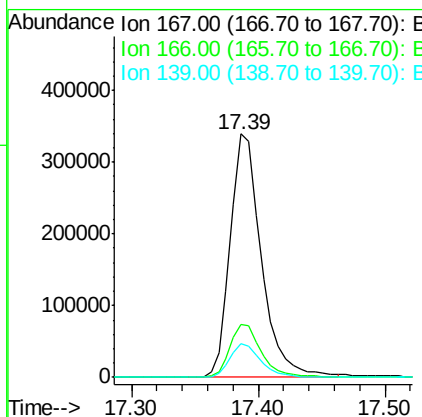
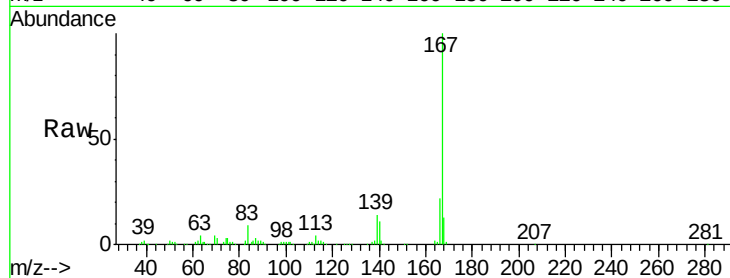
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	167	Resp:	578471
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.2	25.8
139	13.9	10.7	16.1

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#74

Di-n-butylphthalate

Concen: 15.347 ng

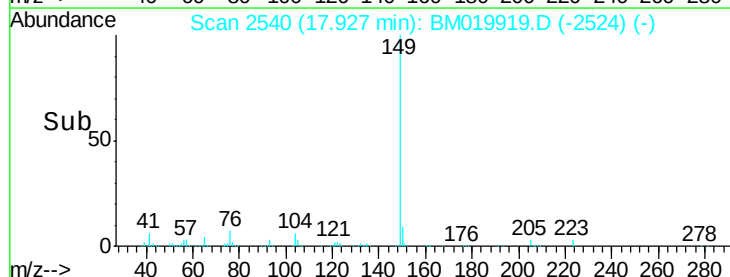
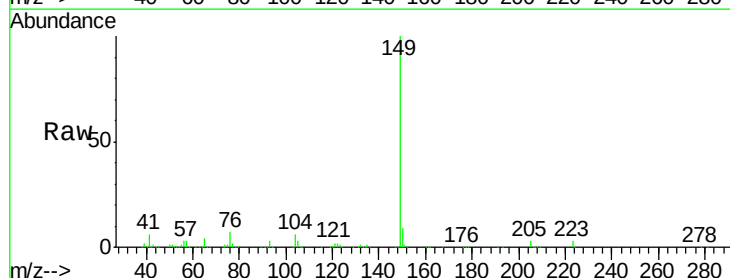
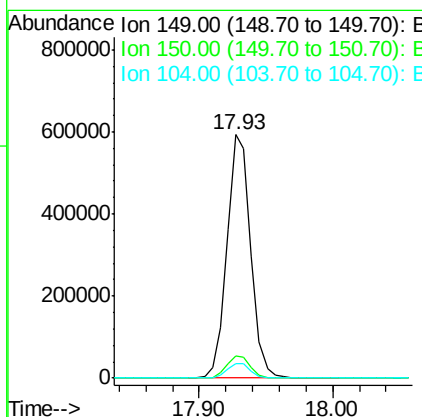
RT: 17.93 min Scan# 2540

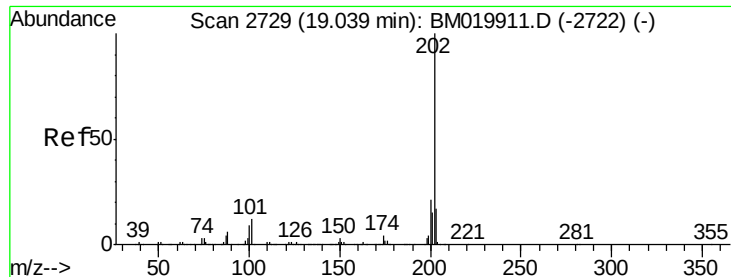
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	149	Resp:	740966
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.2	10.8
104	5.8	4.6	7.0





#75

Fluoranthene

Concen: 15.786 ng

RT: 19.03 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

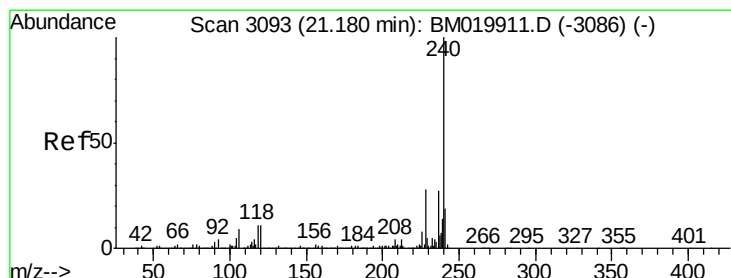
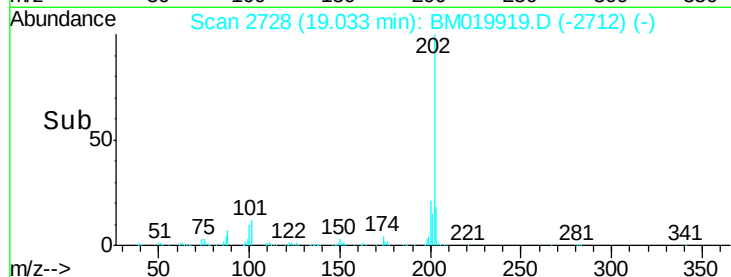
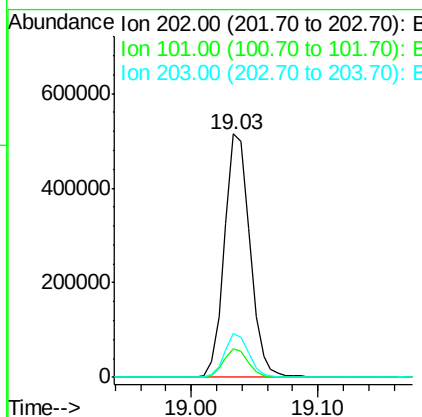
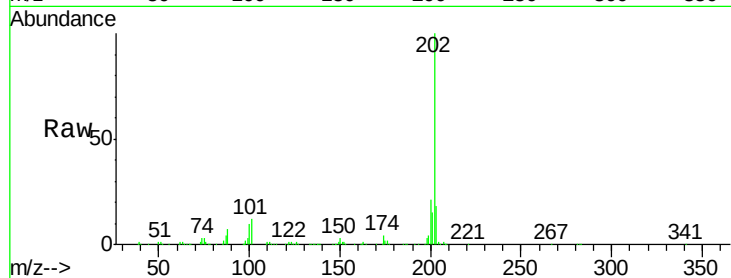
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt	Ion	202	Resp:	718609
Ion	Ratio	Lower	Upper	
202	100			
101	11.6	0.0	31.7	
203	17.9	0.0	37.4	

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#76

Chrysene-d12

Concen: 20.000 ng

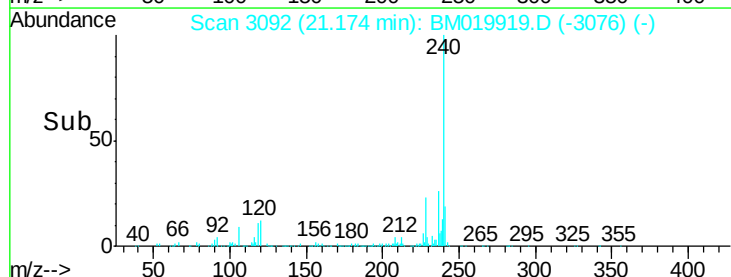
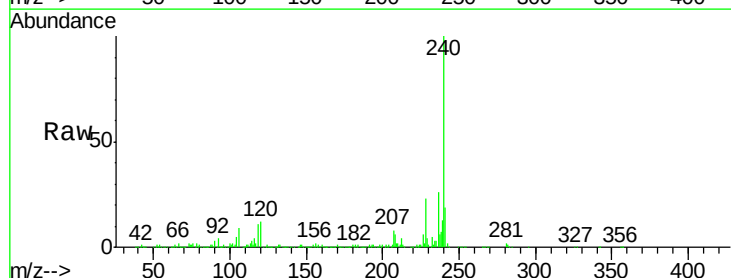
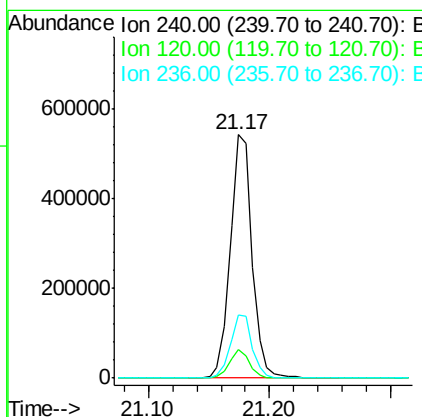
RT: 21.17 min Scan# 3092

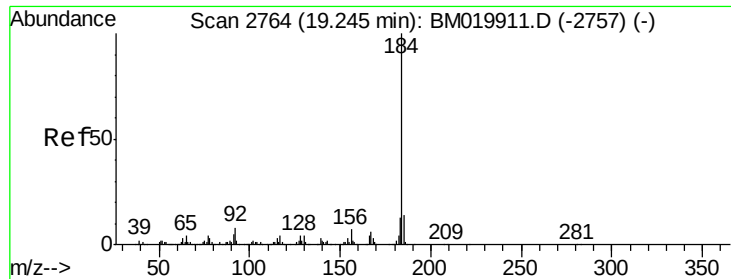
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt	Ion	240	Resp:	681723
Ion	Ratio	Lower	Upper	
240	100			
120	11.6	8.6	13.0	
236	25.7	21.4	32.2	





#77

Benzidine

Concen: 13.266 ng

RT: 19.25 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

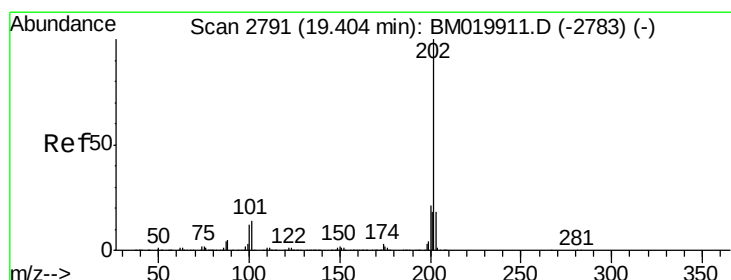
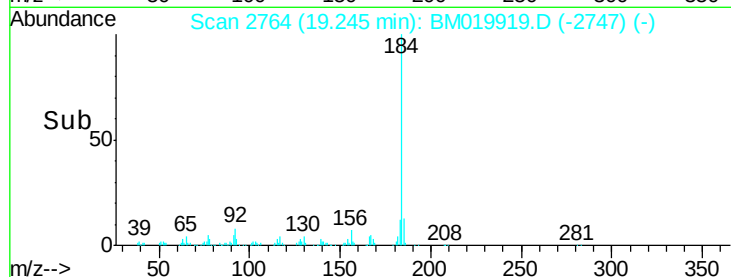
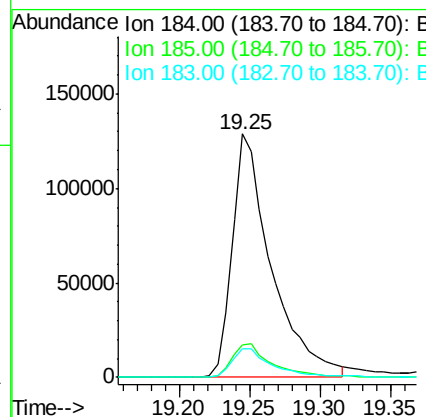
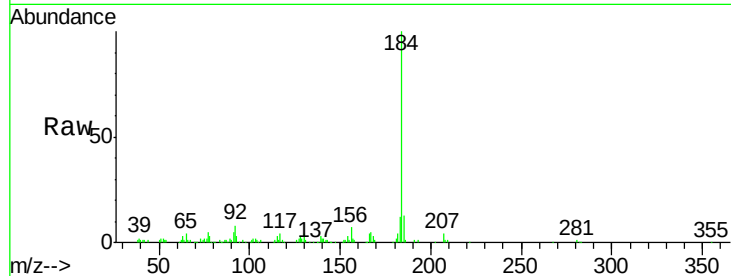
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	184	Resp:	249533
Ion Ratio		Lower	Upper
184	100		
185	13.2	11.0	16.6
183	11.7	10.1	15.1

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#78

Pyrene

Concen: 16.378 ng

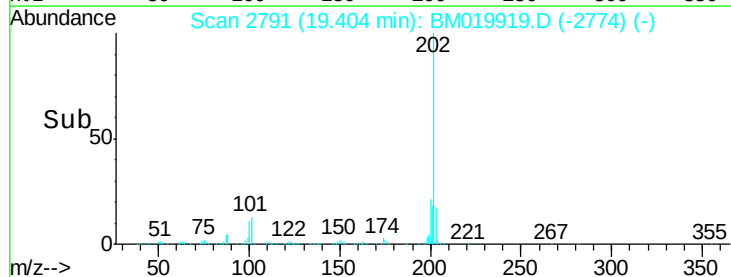
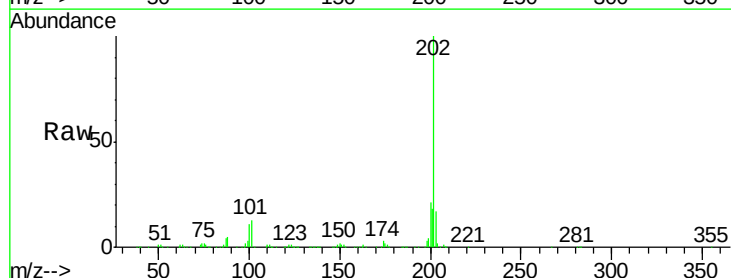
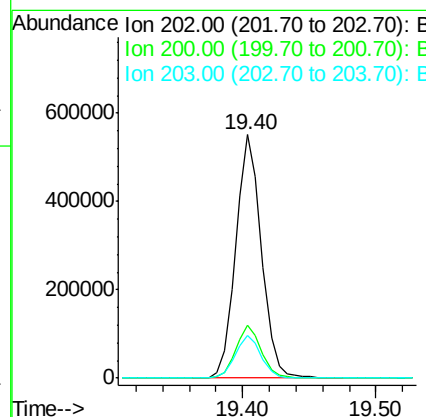
RT: 19.40 min Scan# 2791

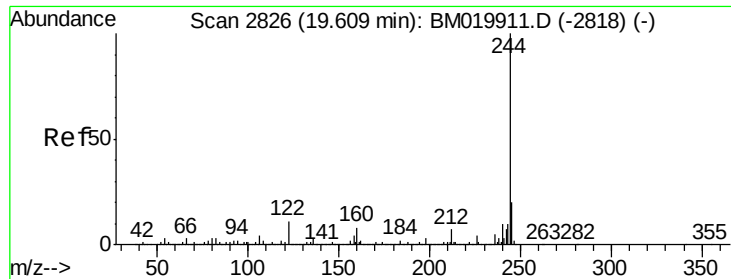
Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt Ion:	202	Resp:	739411
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.3	14.0	21.0





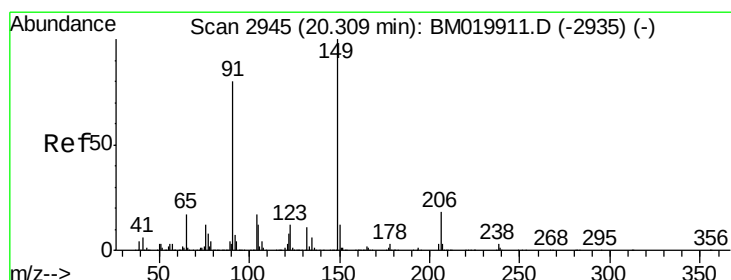
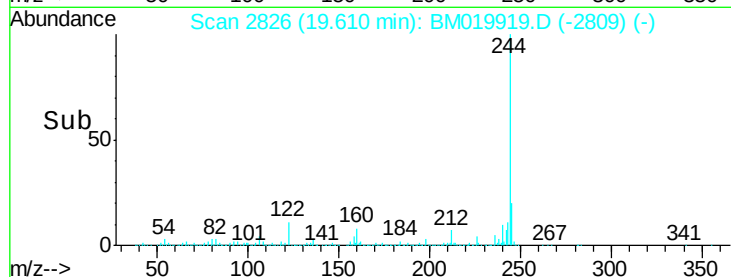
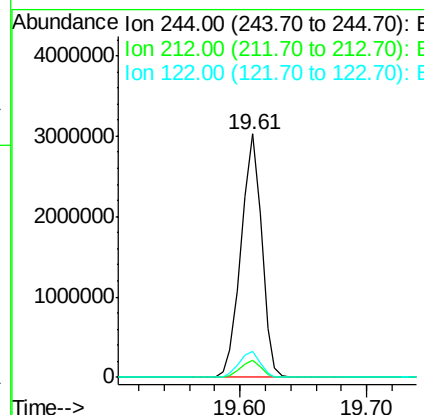
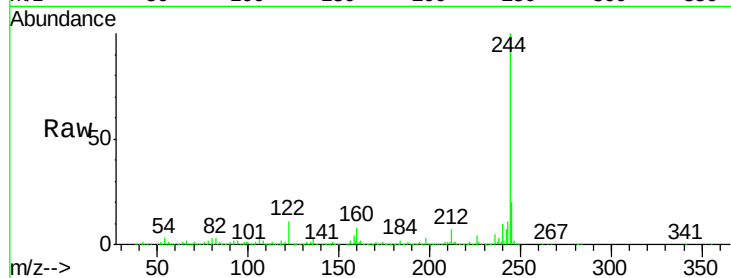
#79
 Terphenyl-d14
 Concen: 87.664 ng
 RT: 19.61 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.9	9.1	13.7

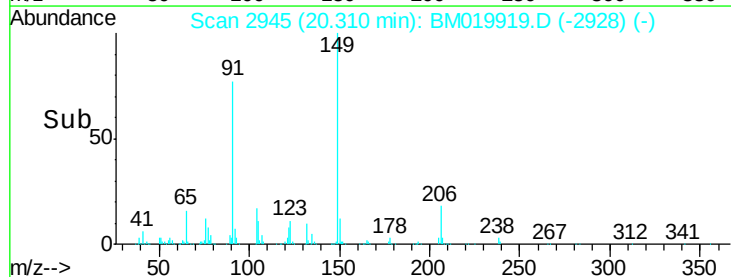
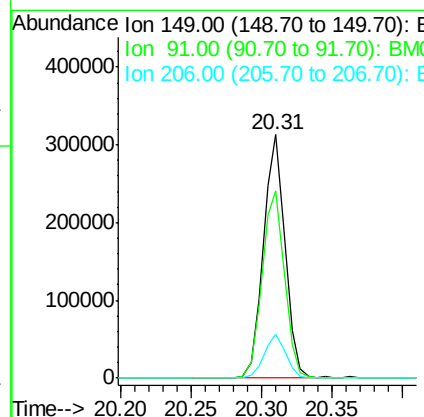
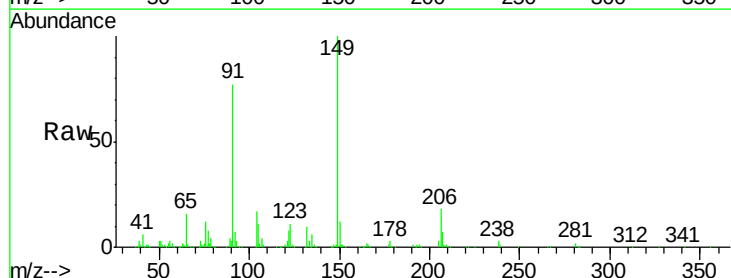
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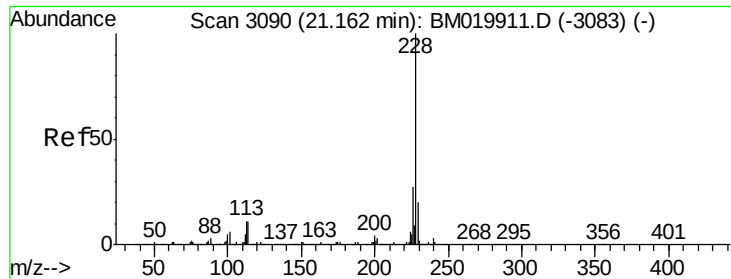
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#80
 Butylbenzylphthalate
 Concen: 15.600 ng
 RT: 20.31 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
149	100		
91	77.0	63.7	95.5
206	18.2	14.6	21.8





#81

Benzo(a)anthracene

Concen: 16.239 ng

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Instrument :

BNA_M

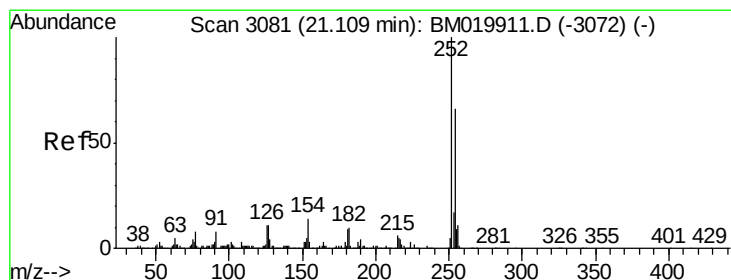
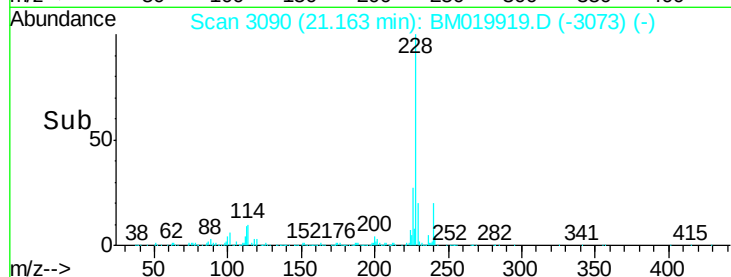
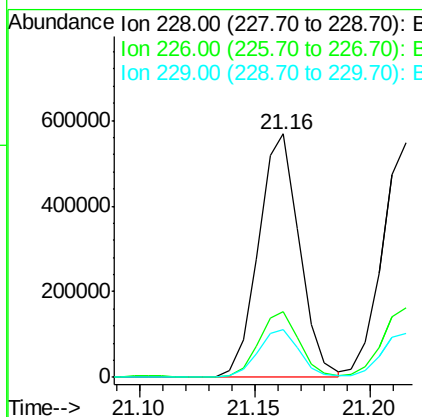
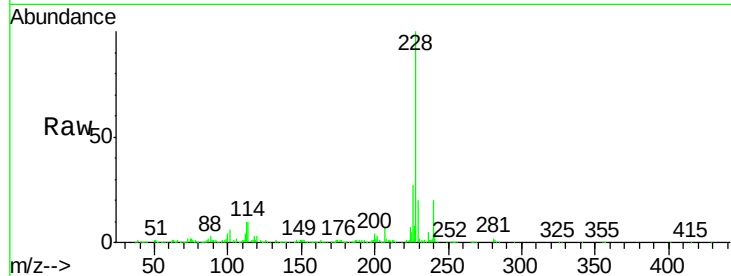
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	26.9	21.8	32.6	
229	19.6	15.9	23.9	

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 16.519 ng

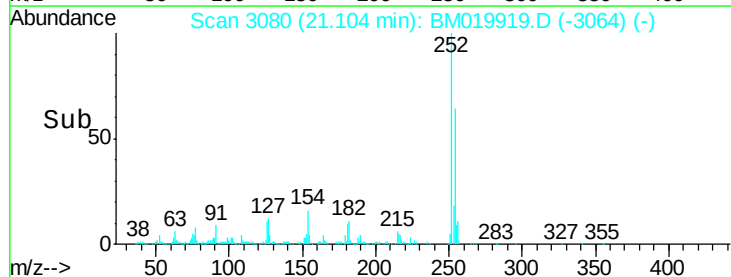
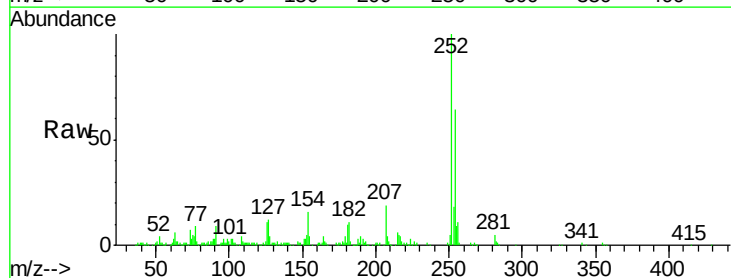
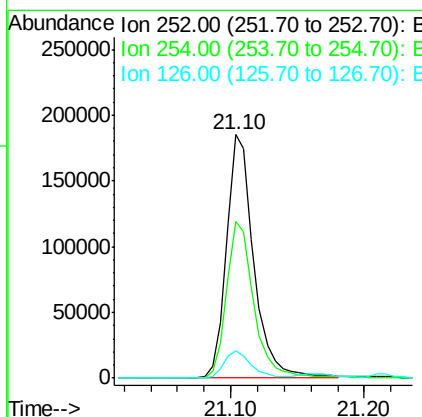
RT: 21.10 min Scan# 3080

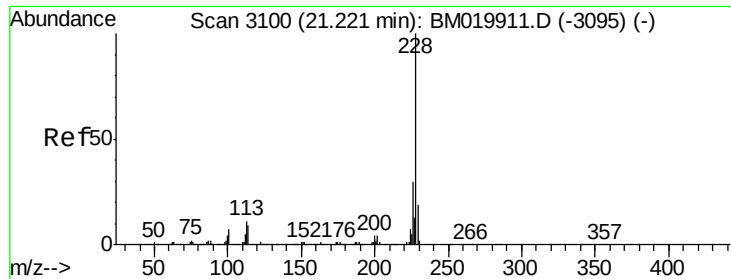
Delta R.T. -0.01 min

Lab File: BM019919.D

Acq: 15 Apr 2019 18:35

Tgt	Ion	Ratio	Lower	Upper
252	100			
254	64.3	52.6	78.8	
126	11.1	8.6	12.8	





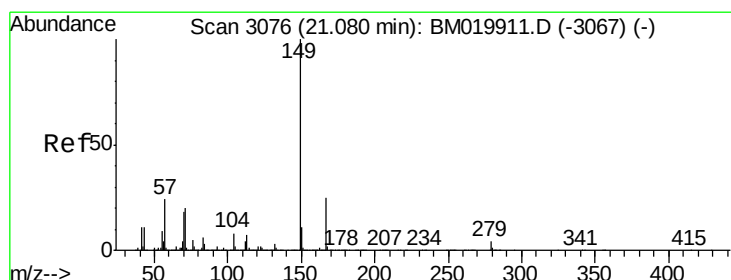
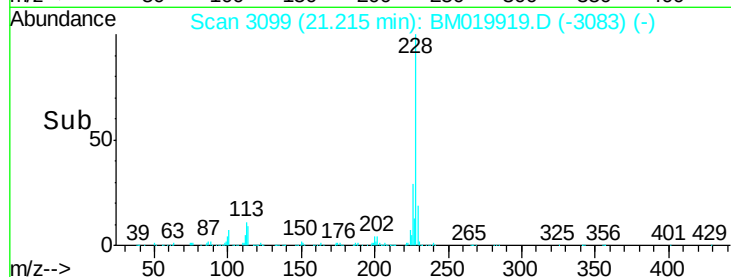
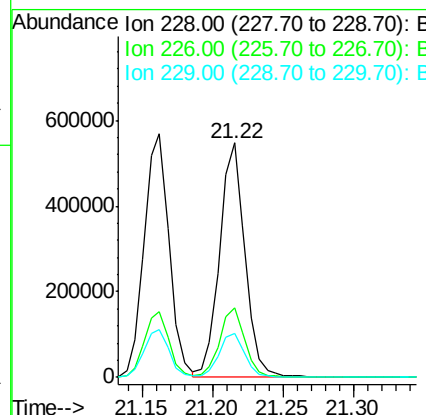
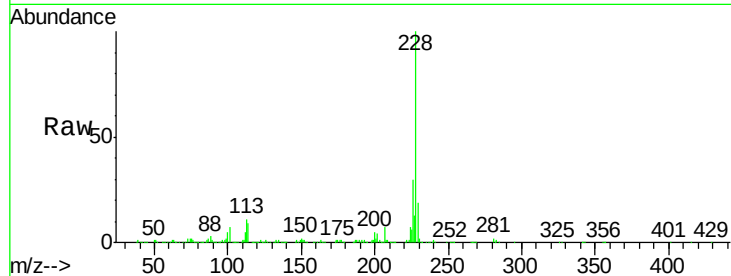
#83
Chrysene
 Concen: 16.432 ng
 RT: 21.22 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	680534		
226	29.6		23.7	35.5
229	19.0		15.6	23.4

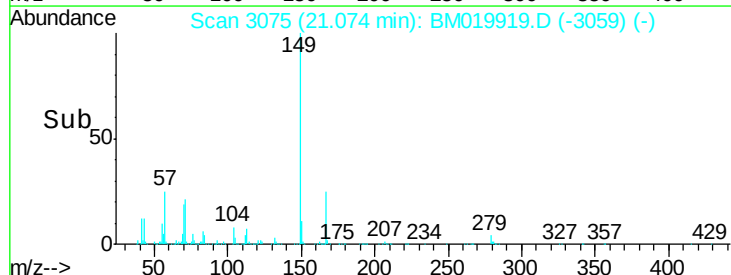
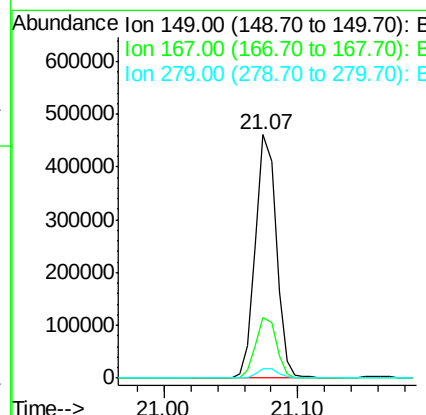
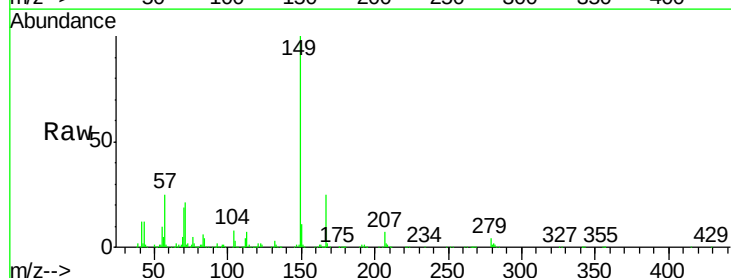
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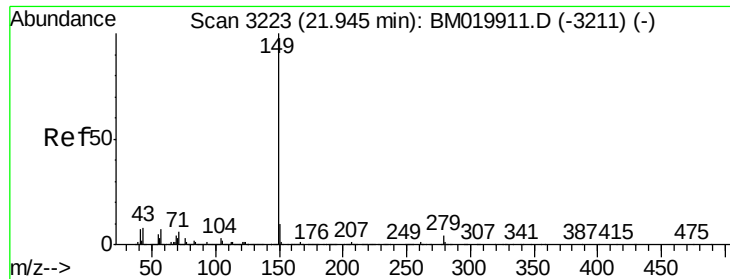
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#84
Bis(2-ethylhexyl)phthalate
 Concen: 15.092 ng
 RT: 21.07 min Scan# 3075
 Delta R.T. -0.01 min
 Lab File: BM019919.D
 Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	491765		
167	25.1		20.3	30.5
279	3.7		3.4	5.2





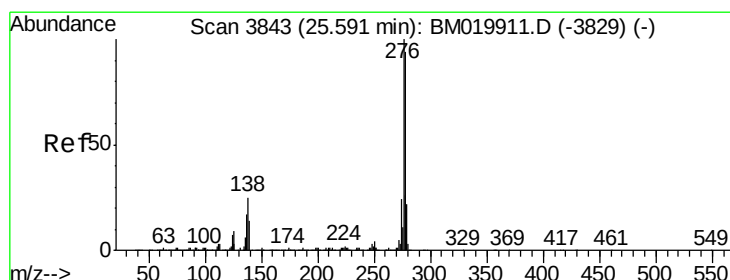
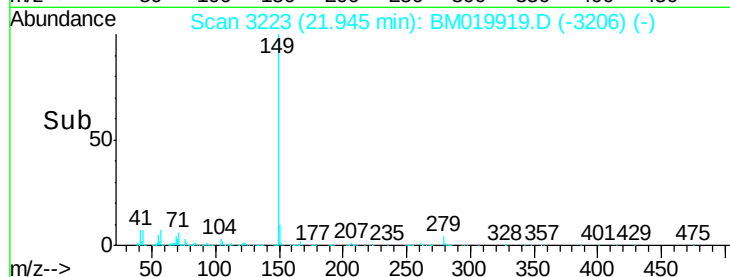
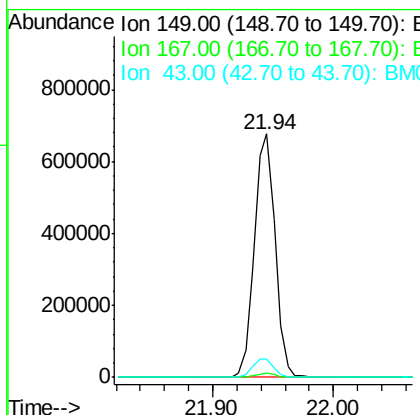
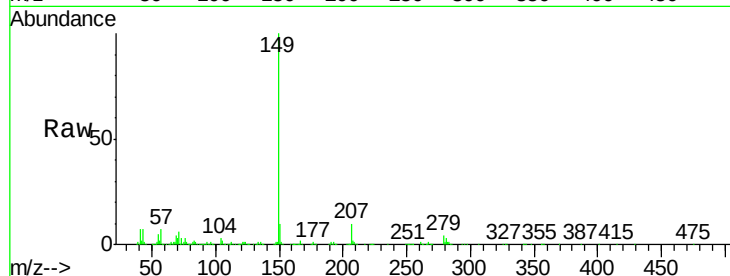
#85
Di-n-octyl phthalate
Concen: 15.261 ng
RT: 21.94 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.0	9.0

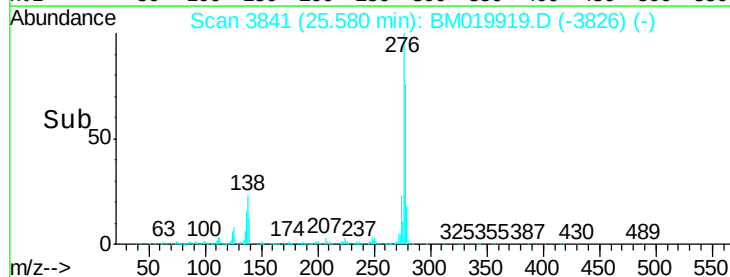
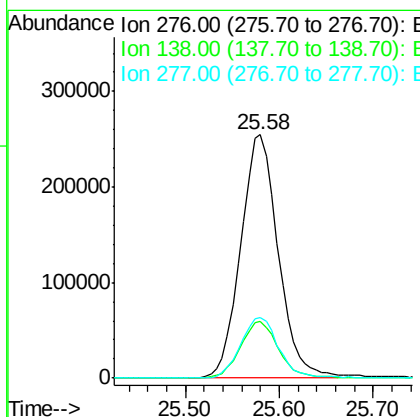
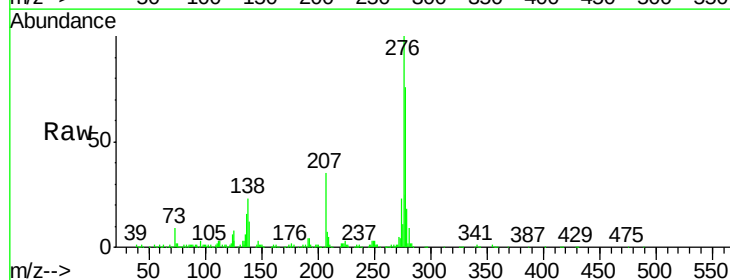
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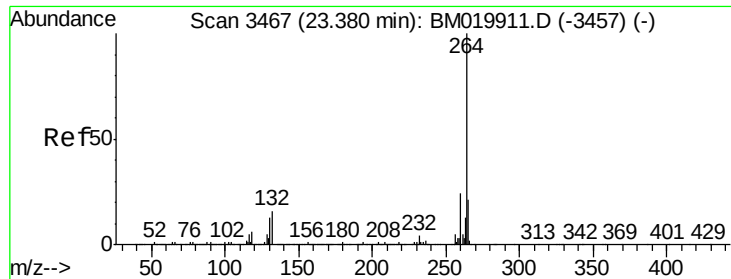
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.325 ng
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	23.7	19.0	28.6
277	25.2	20.3	30.5





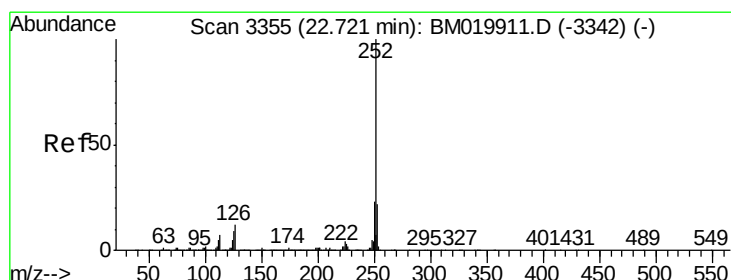
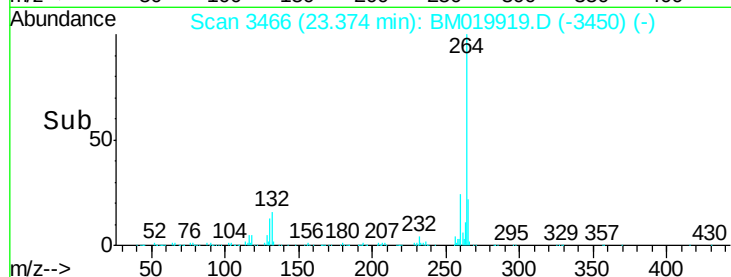
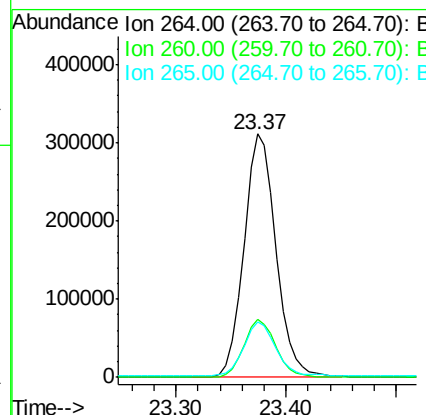
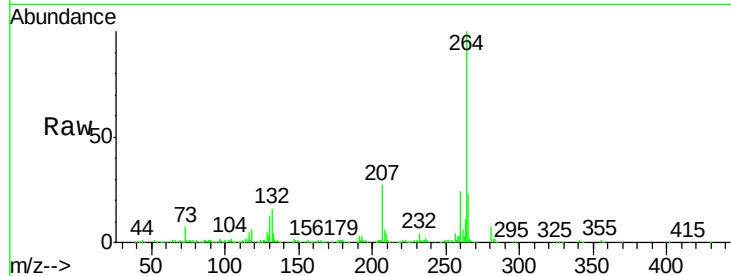
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	636892		
260	24.0	19.2	28.8	
265	22.6	17.2	25.8	

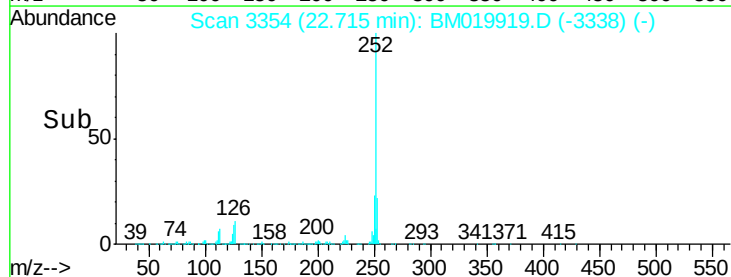
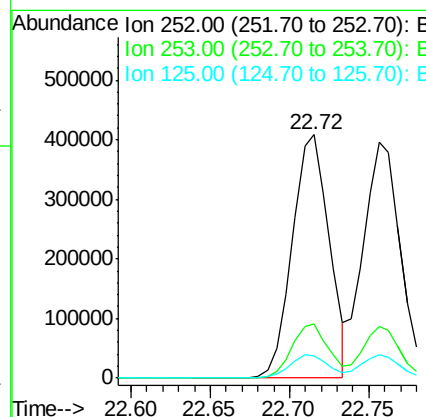
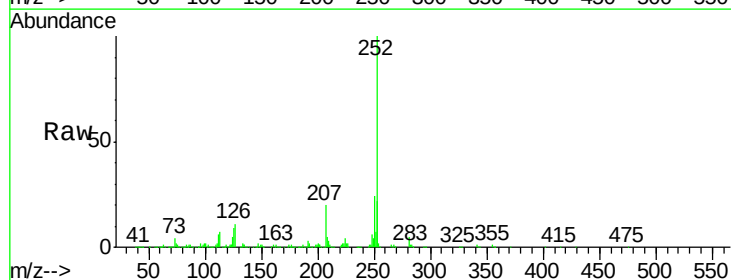
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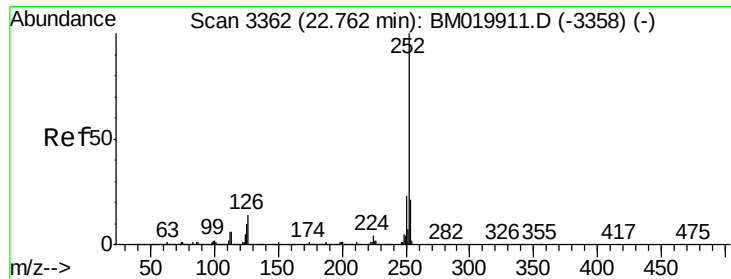
Sohil
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#88
Benzo(b)fluoranthene
Concen: 15.556 ng
RT: 22.72 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	657863		
253	22.2	17.5	26.3	
125	9.4	7.6	11.4	





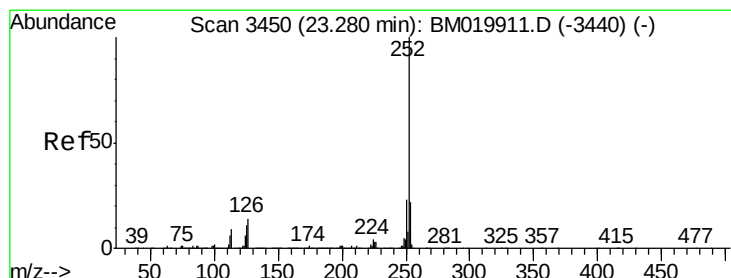
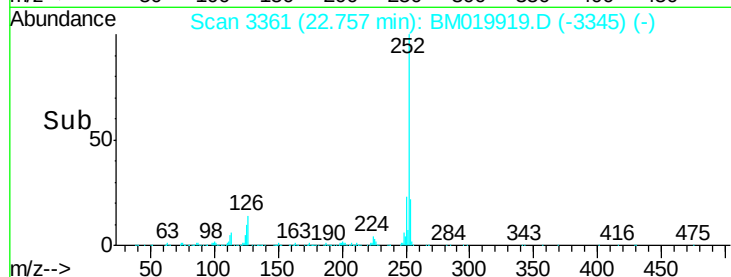
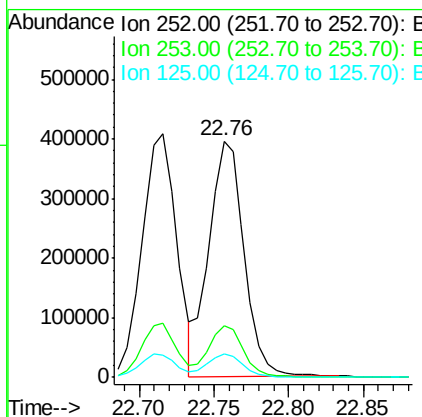
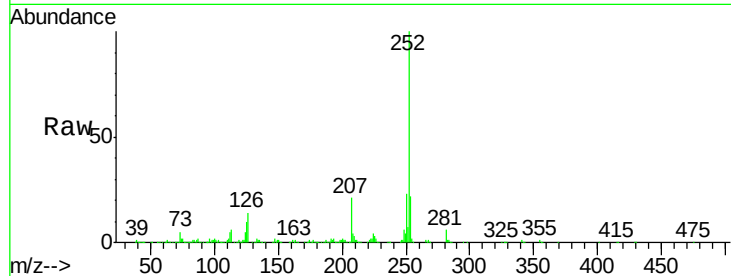
#89
Benzo(k)fluoranthene
Concen: 16.253 ng
RT: 22.76 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	9.9	8.2	12.4

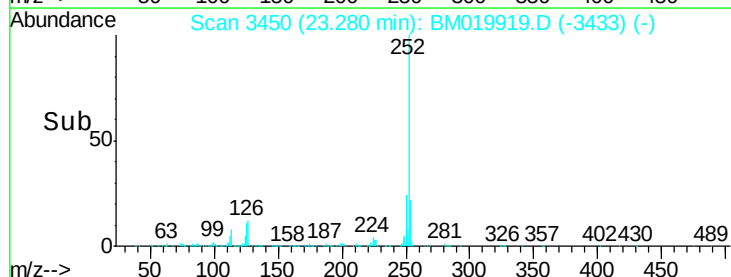
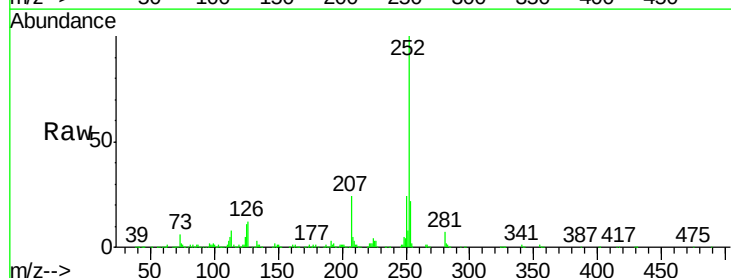
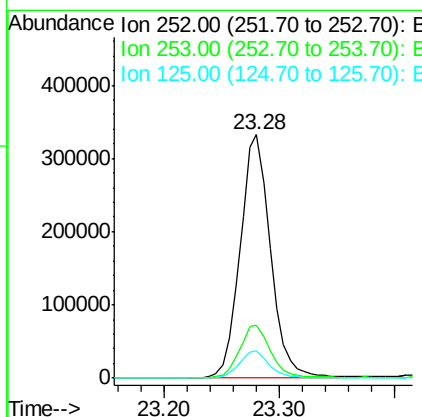
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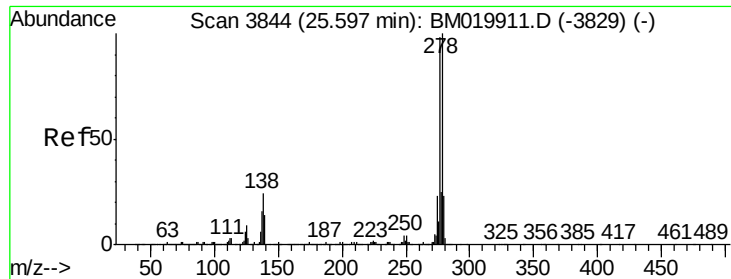
Sohil
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#90
Benzo(a)pyrene
Concen: 16.135 ng
RT: 23.28 min Scan# 3450
Delta R.T. 0.00 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	11.0	9.1	13.7





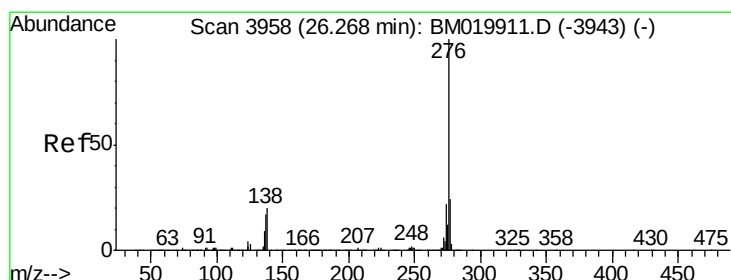
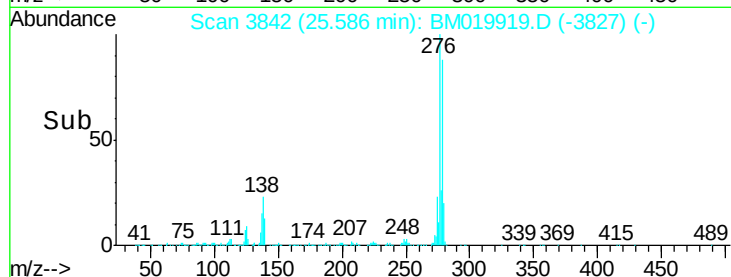
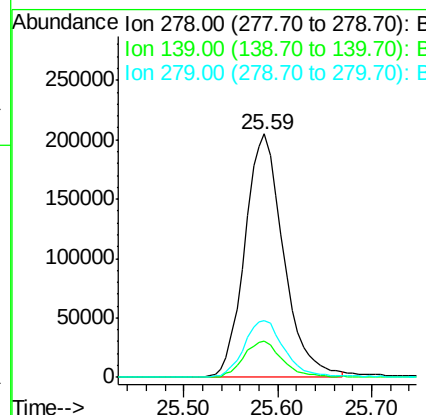
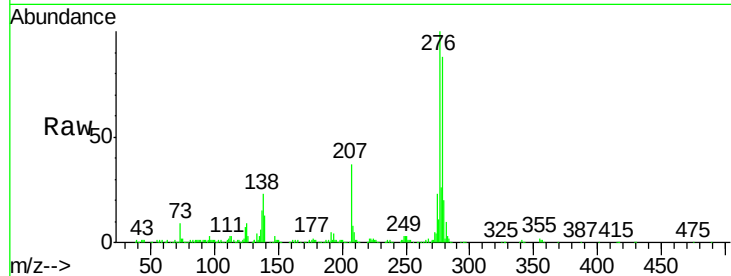
#91
Dibenzo(a,h)anthracene
Concen: 16.157 ng
RT: 25.59 min Scan# 3842
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.6	17.4
279	23.1	18.4	27.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 16.822 ng
RT: 26.26 min Scan# 3957
Delta R.T. -0.01 min
Lab File: BM019919.D
Acq: 15 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.4	16.2	24.4

