

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
 Data File : BM018375.D
 Acq On : 22 Dec 2018 02:07
 Operator : JU/SJ
 Sample : J6500-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Manual Integrations
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 12/26/2018 3:20:24 PM

Quant Time: Dec 22 05:58:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	101558	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	435186	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	236956	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	469473	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	400586	20.00	ng	-0.01
87) Perylene-d12	23.30	264	438246	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.12	112	558196	91.82	ng	0.00
7) Phenol-d6	6.70	99	760395	89.99	ng	0.00
23) Nitrobenzene-d5	8.64	82	518271	61.09	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	248367	71.41	ng	-0.01
45) 2-Fluorobiphenyl	12.74	172	1022250	55.88	ng	-0.02
79) Terphenyl-d14	19.57	244	1172501	66.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.12	88	56374	23.408	ng	95
3) Pyridine	3.50	79	196752	27.771	ng	94
4) n-Nitrosodimethylamine	3.42	42	87701	35.963	ng	92
6) Aniline	6.83	93	192542	18.164	ng	97
8) 2-Chlorophenol	7.06	128	207231	28.850	ng	95
9) Benzaldehyde	6.65	77	166291	32.286	ng	86
10) Phenol	6.72	94	321733	35.952	ng	89
11) bis(2-Chloroethyl)ether	6.93	93	189724	26.675	ng	97
12) 1,3-Dichlorobenzene	7.36	146	212127	26.446	ng	# 95
13) 1,4-Dichlorobenzene	7.52	146	209726	25.748	ng	96
14) 1,2-Dichlorobenzene	7.82	146	209860	26.727	ng	96
15) Benzyl Alcohol	7.74	79	211407	30.704	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.02	45	141705	22.140	ng	85
17) 2-Methylphenol	7.95	107	178608	29.890	ng	90
18) Hexachloroethane	8.53	117	64727	21.681	ng	92
19) n-Nitroso-di-n-propylamine	8.29	70	177080	28.066	ng	# 93
20) 3+4-Methylphenols	8.28	107	237683	28.387	ng	93
22) Acetophenone	8.30	105	322476	28.001	ng	97
24) Nitrobenzene	8.69	77	266057	31.384	ng	91
25) Isophorone	9.20	82	452057	32.004	ng	96
26) 2-Nitrophenol	9.39	139	71639	17.230	ng	# 87
27) 2,4-Dimethylphenol	9.46	122	178658	29.814	ng	93
28) bis(2-Chloroethoxy)methane	9.69	93	255520	27.752	ng	98
29) 2,4-Dichlorophenol	9.92	162	196673	29.601	ng	97
30) 1,2,4-Trichlorobenzene	10.12	180	215066	28.457	ng	93
31) Naphthalene	10.30	128	620803	29.174	ng	100
32) Benzoic acid	9.60	122	55305m	9.747	ng	
33) 4-Chloroaniline	10.43	127	158039	16.955	ng	95
34) Hexachlorobutadiene	10.56	225	133216	27.871	ng	99
35) Caprolactam	11.25	113	56733	22.409	ng	94
36) 4-Chloro-3-methylphenol	11.59	107	219010	27.433	ng	97
37) 2-Methylnaphthalene	11.92	142	443272	29.538	ng	97
38) 1-Methylnaphthalene	12.15	142	419961	28.679	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.30	216	235948	28.957	ng	99

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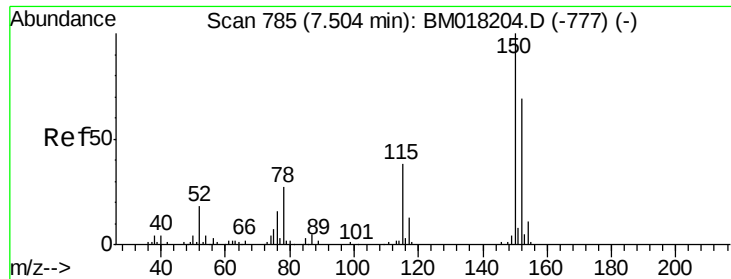
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.26	237	10154	10.648	nq	93
43) 2,4,6-Trichlorophenol	12.57	196	149123	28.454	nq	99
44) 2,4,5-Trichlorophenol	12.65	196	154182	27.712	nq	95
46) 1,1'-Biphenyl	12.96	154	566646	26.581	nq	98
47) 2-Chloronaphthalene	13.00	162	438295	27.934	nq	97
48) 2-Nitroaniline	13.24	65	169873	35.146	nq	88
49) Acenaphthylene	13.86	152	684656	28.956	nq	99
50) Dimethylphthalate	13.62	163	656447	33.323	nq	99
51) 2,6-Dinitrotoluene	13.75	165	102594	23.690	nq #	83
52) Acenaphthene	14.21	154	406142	28.107	nq	99
53) 3-Nitroaniline	14.09	138	122684	26.920	nq	89
54) 2,4-Dinitrophenol	14.33	184	1217	0.509	nq #	69
55) Dibenzofuran	14.55	168	646745	27.855	nq	97
56) 4-Nitrophenol	14.44	139	131329	38.008	nq	81
57) 2,4-Dinitrotoluene	14.56	165	137561	22.980	nq #	83
58) Fluorene	15.20	166	524214	29.232	nq	98
59) 2,3,4,6-Tetrachlorophenol	14.79	232	127422m	25.430	nq	
60) Diethylphthalate	14.99	149	560835	26.380	nq	98
61) 4-Chlorophenyl-phenylether	15.20	204	273323	26.950	nq	96
62) 4-Nitroaniline	15.26	138	118305	27.358	nq #	70
63) Azobenzene	15.50	77	594507	30.669	nq	94
65) 4,6-Dinitro-2-methylphenol	15.34	198	2000	0.579	nq #	72
66) n-Nitrosodiphenylamine	15.43	169	455712	29.354	nq	100
67) 4-Bromophenyl-phenylether	16.10	248	162294	28.544	nq	98
68) Hexachlorobenzene	16.21	284	174626	28.035	nq #	93
69) Atrazine	16.40	200	157822	30.113	nq	97
70) Pentachlorophenol	16.57	266	146719	35.665	nq	99
71) Phenanthrene	16.95	178	743054	29.139	nq	99
72) Anthracene	17.04	178	756843	29.917	nq	99
73) Carbazole	17.33	167	643688	24.789	nq	99
74) Di-n-butylphthalate	17.89	149	914722	28.550	nq	99
75) Fluoranthene	18.99	202	745459	25.143	nq	99
77) Benzidine	19.20	184	523371	51.523	nq	99
78) Pyrene	19.35	202	745147	31.218	nq	99
80) Butylbenzylphthalate	20.27	149	346850	30.546	nq	94
81) Benzo(a)anthracene	21.12	228	693122	29.620	nq	99
82) 3,3'-Dichlorobenzidine	21.06	252	269285	28.805	nq	98
83) Chrysene	21.17	228	653915	29.053	nq	100
84) Bis(2-ethylhexyl)phthalate	21.06	149	510792	30.183	nq	98
85) Di-n-octyl phthalate	21.91	149	831339	29.995	nq #	96
86) Indeno(1,2,3-cd)pyrene	25.44	276	883337	39.399	nq	97
88) Benzo(b)fluoranthene	22.66	252	730710	29.683	nq	99
89) Benzo(k)fluoranthene	22.70	252	677809	27.647	nq	98
90) Benzo(a)pyrene	23.20	252	698737	29.844	nq	98
91) Dibenzo(a,h)anthracene	25.44	278	753357	34.735	nq	99
92) Benzo(g,h,i)perylene	26.10	276	712647	34.761	nq	97

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



#1

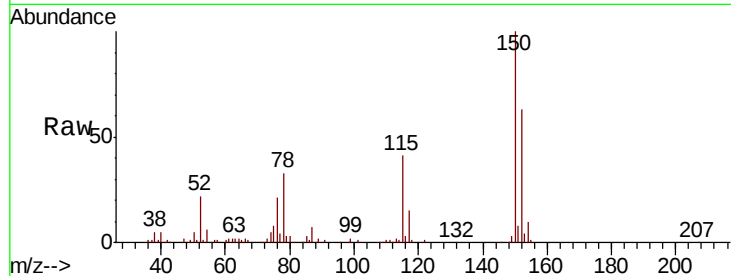
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	116.1	174.1
115	64.3	44.6	67.0

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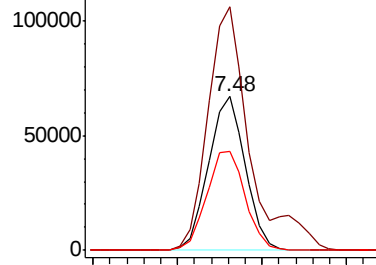


Abundance

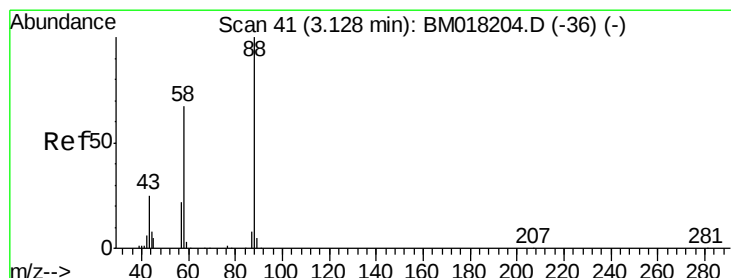
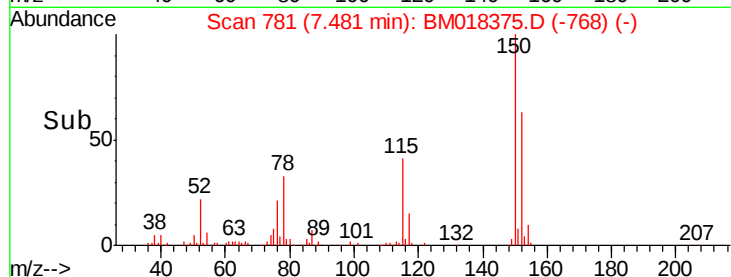
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



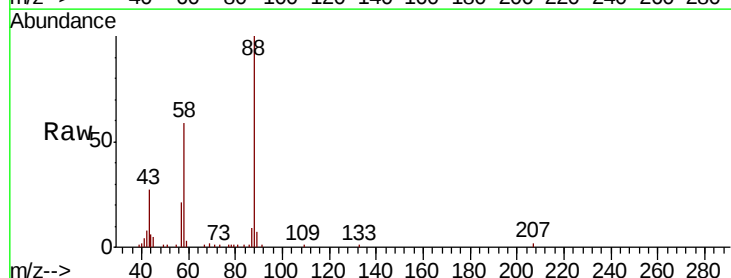
Time-->



#2

1,4-Dioxane
Concen: 23.408 ng
RT: 3.12 min Scan# 39
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.8	49.8	74.6
43	28.0	19.1	28.7

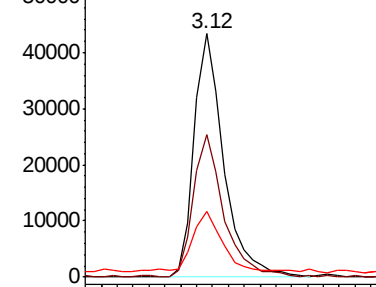


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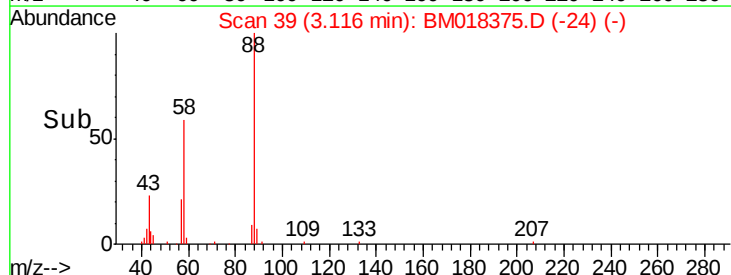
Ion 88.00 (87.70 to 88.70): BM0

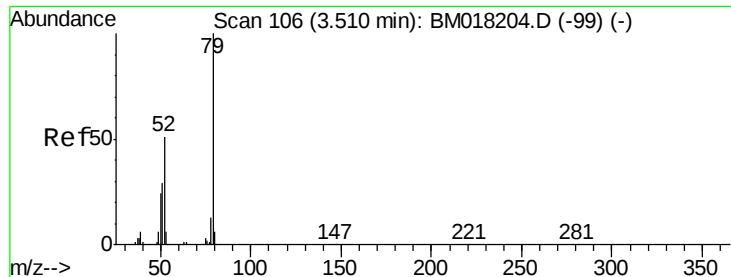
Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



Time-->





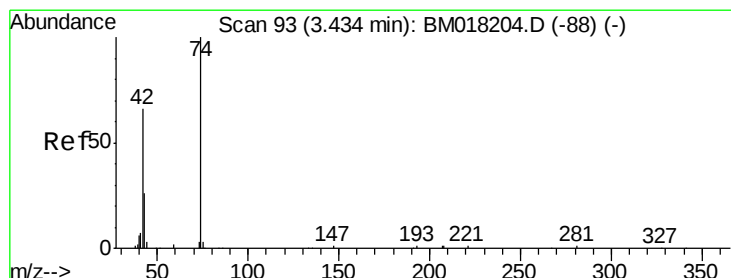
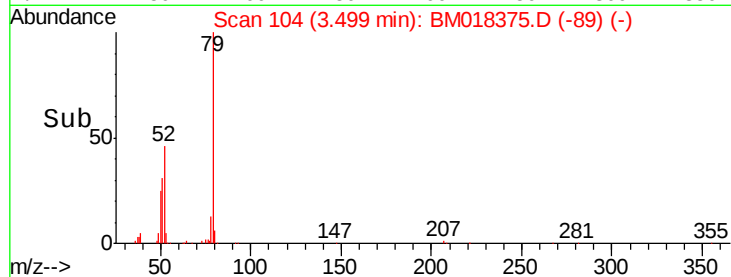
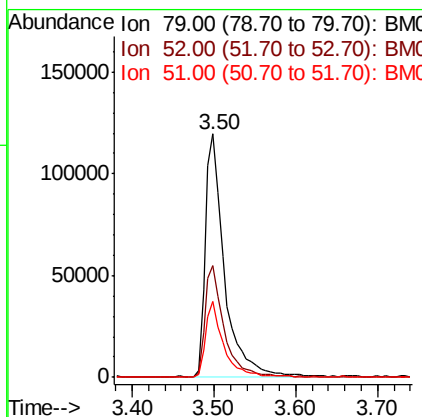
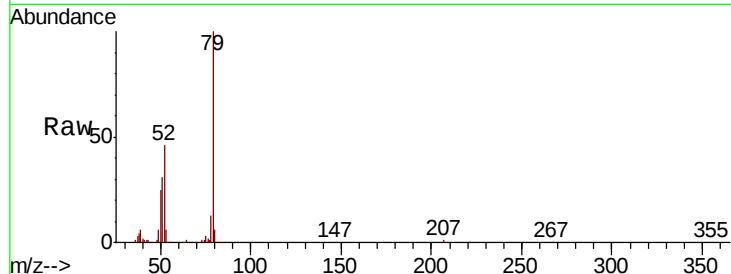
#3
 Pvridine
 Concen: 27.771 ng
 RT: 3.50 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
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 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	46.1	40.7	61.1
51	30.9	23.0	34.6

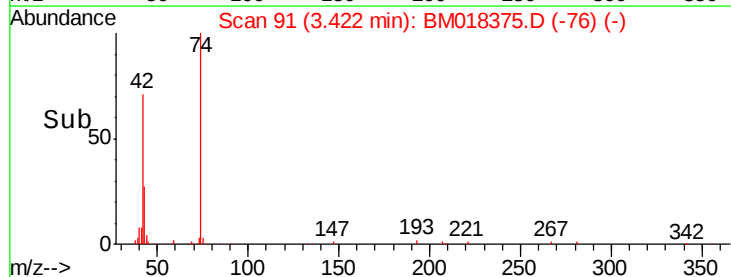
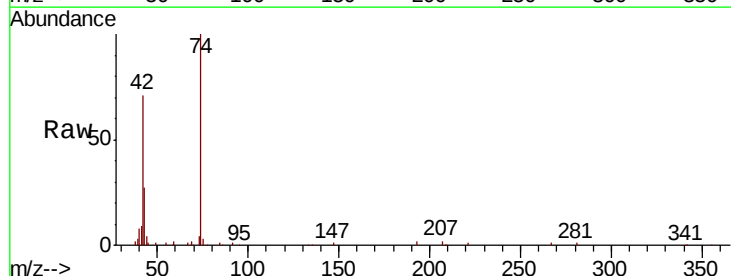
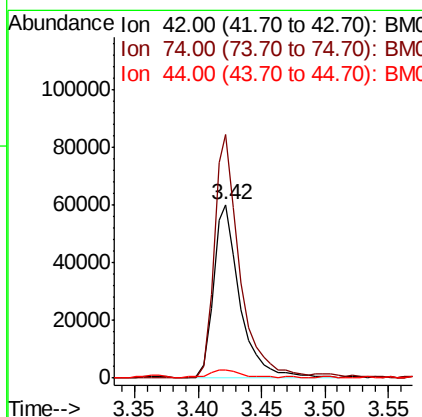
Manual Integrations
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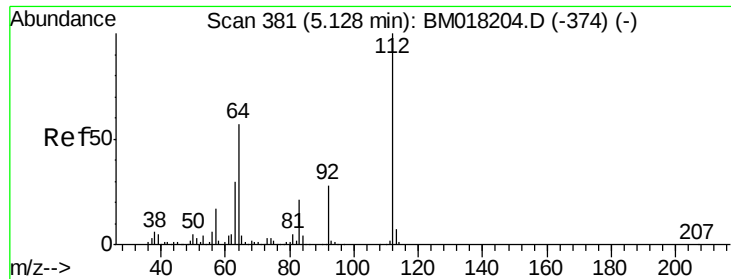
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#4
 n-Nitrosodimethylamine
 Concen: 35.963 ng
 RT: 3.42 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.4	120.4	180.6
44	5.0	4.6	7.0





#5

2-Fluorophenol

Concen: 91.815 ng

RT: 5.12 min Scan# 380

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

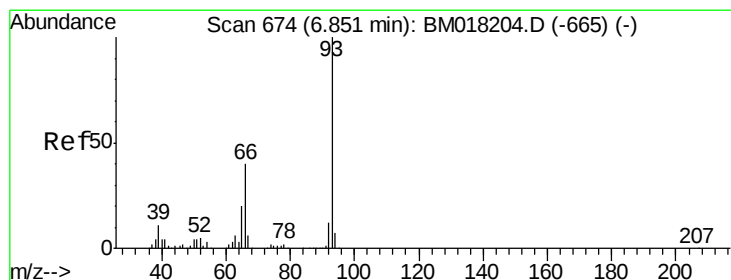
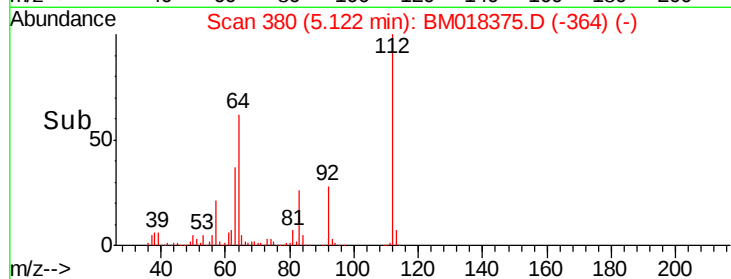
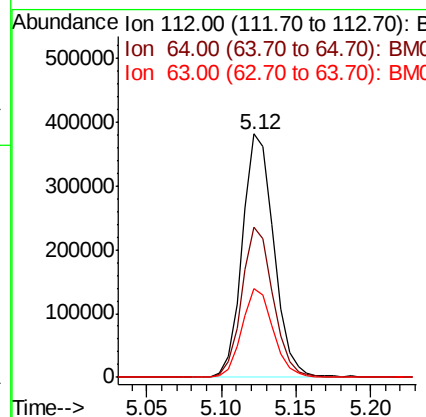
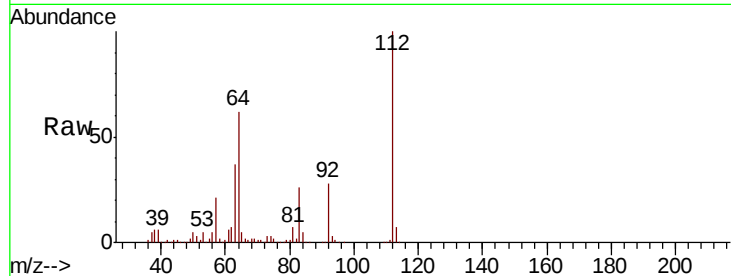
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	112	Resp:	558196
Ion Ratio	Lower	Upper	
112	100		
64	61.6	45.4	68.2
63	36.7	24.0	36.0#

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#6

Aniline

Concen: 18.164 ng

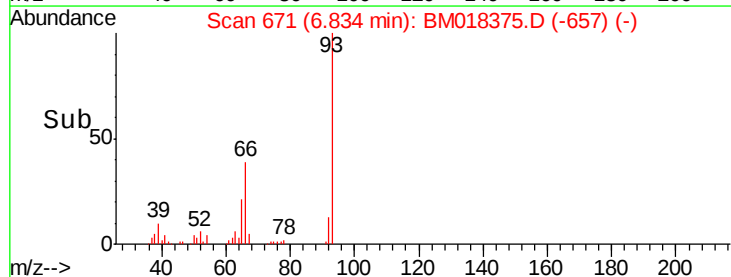
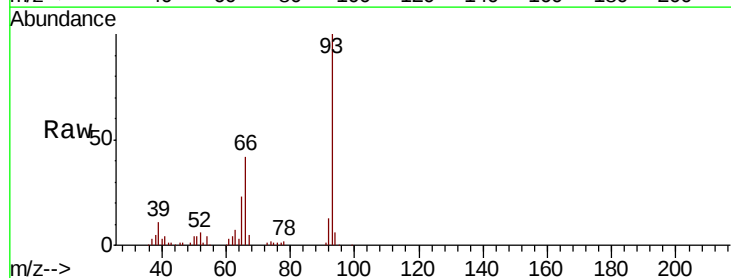
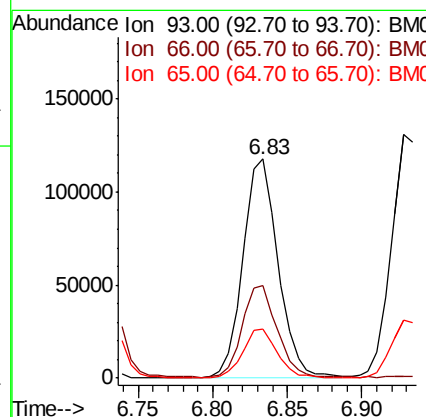
RT: 6.83 min Scan# 671

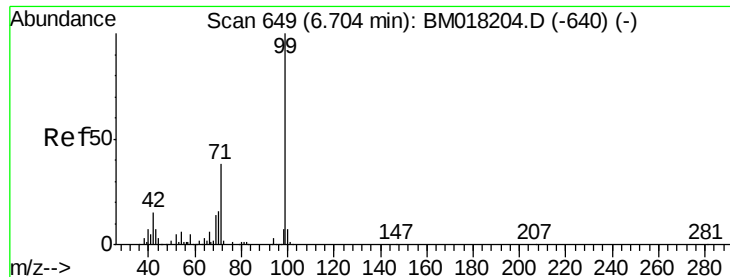
Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	93	Resp:	192542
Ion Ratio	Lower	Upper	
93	100		
66	42.1	32.3	48.5
65	22.6	16.2	24.4





#7

Phenol-d6

Concen: 89.987 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

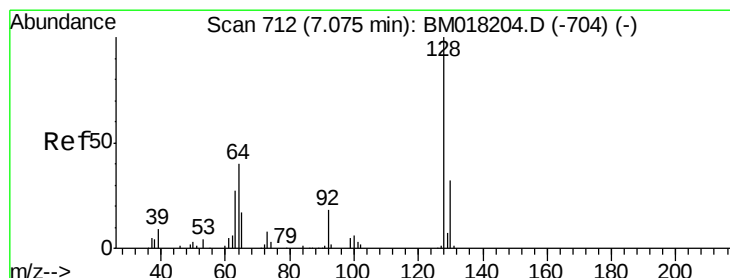
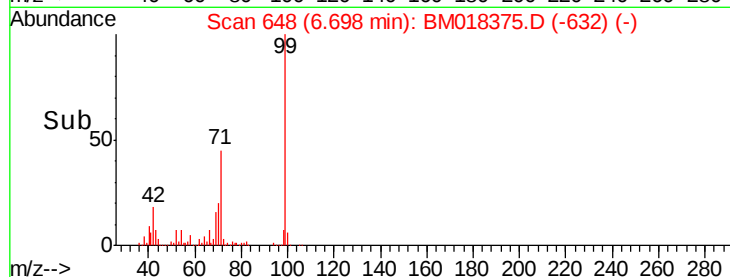
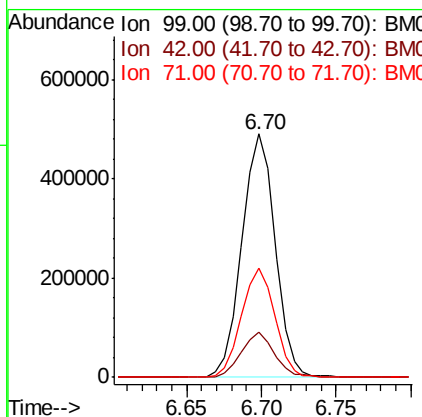
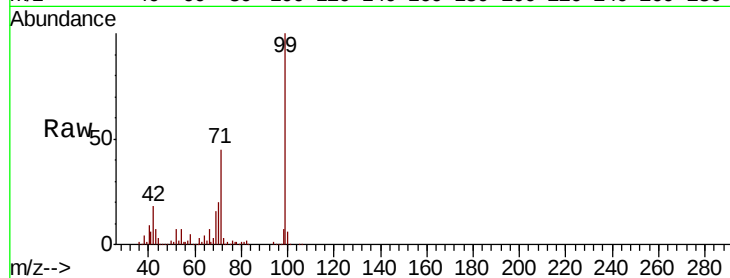
ClientSampleId :

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Tot Ion:	99	Resp:	760395
Ion Ratio	Lower	Upper	
99	100		
42	18.4	12.3	18.5
71	44.7	30.2	45.2

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#8

2-Chlorophenol

Concen: 28.850 ng

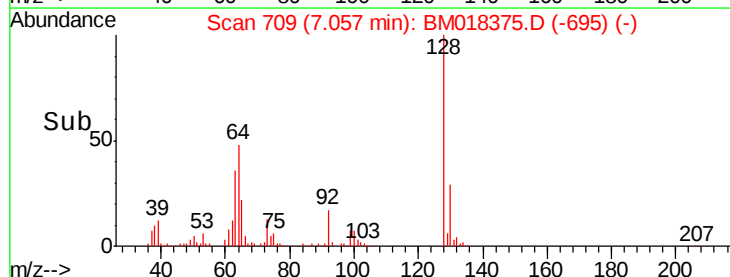
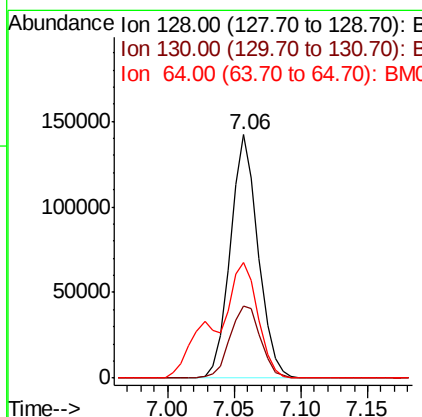
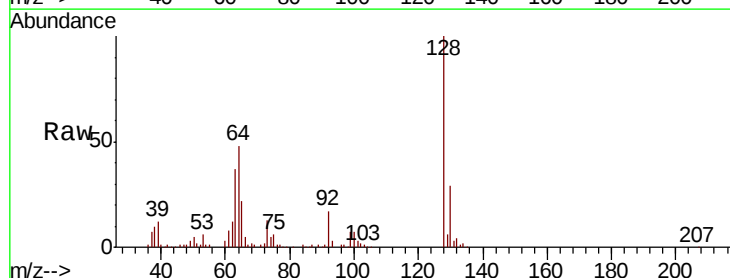
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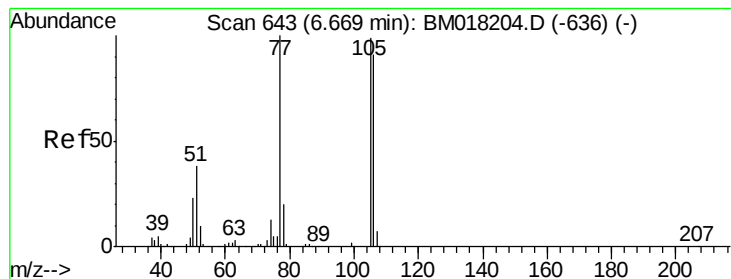
Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	128	Resp:	207231
Ion Ratio	Lower	Upper	
128	100		
130	29.4	12.3	52.3
64	47.7	24.1	64.1





#9

Benzaldehyde

Concen: 32.286 ng

RT: 6.65 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

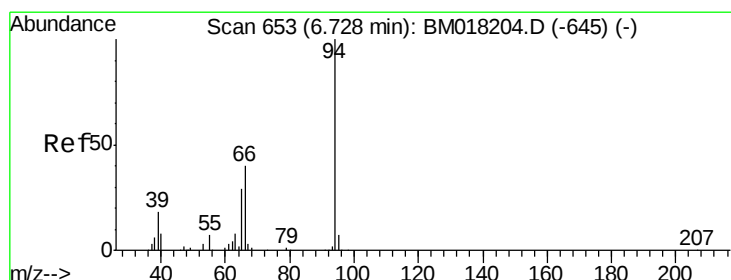
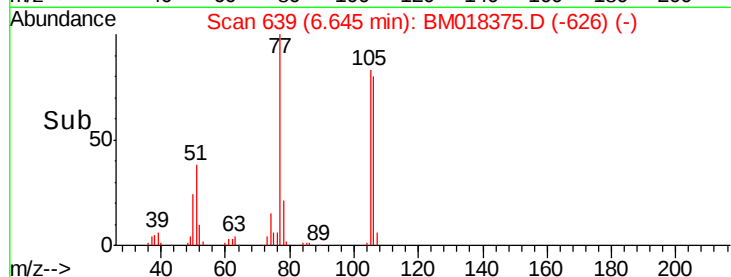
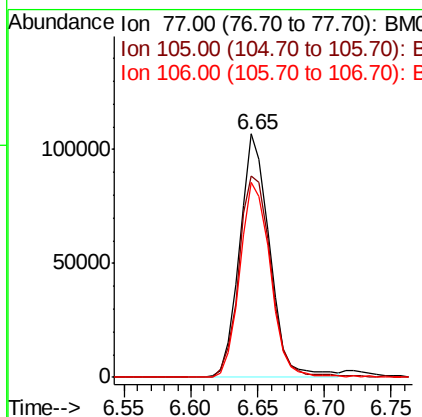
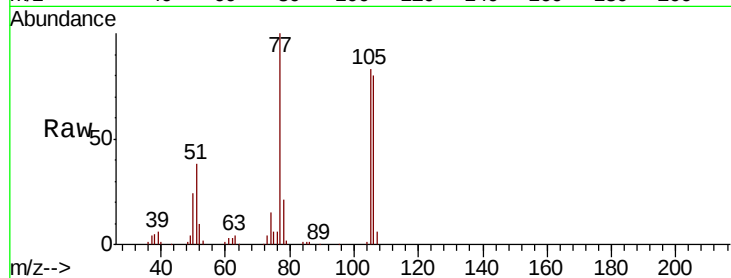
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	77	Resp:	166291
Ion Ratio	Lower	Upper	
77	100		
105	82.9	78.8	118.8
106	80.0	70.7	110.7

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#10

Phenol

Concen: 35.952 ng

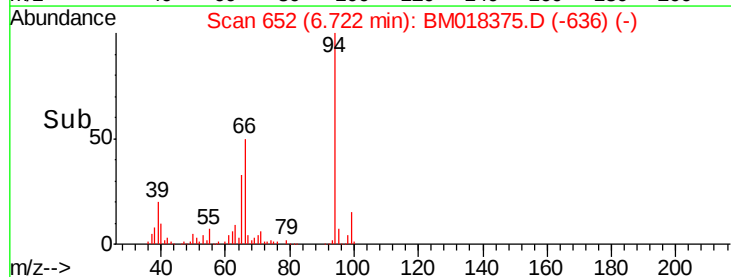
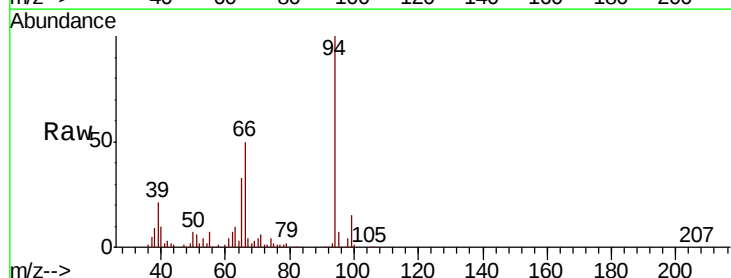
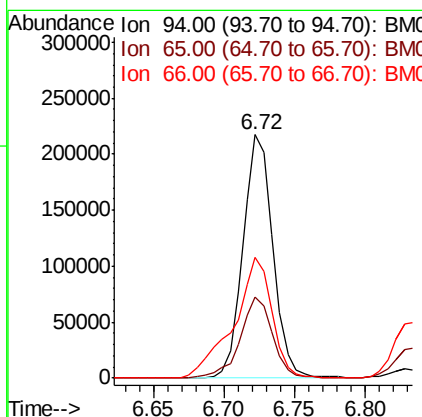
RT: 6.72 min Scan# 652

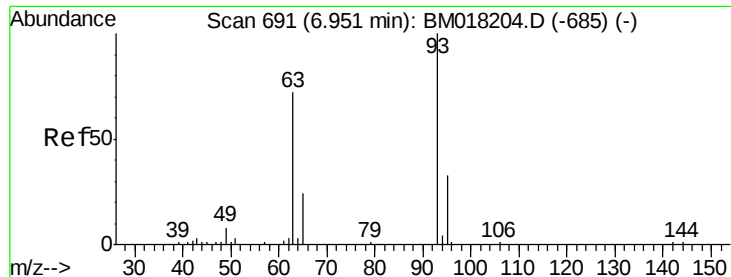
Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	94	Resp:	321733
Ion Ratio	Lower	Upper	
94	100		
65	33.5	9.5	49.5
66	49.7	21.3	61.3





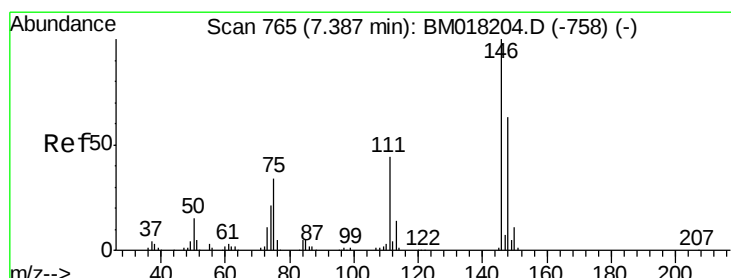
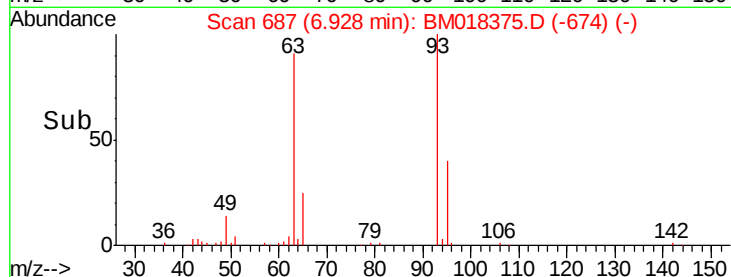
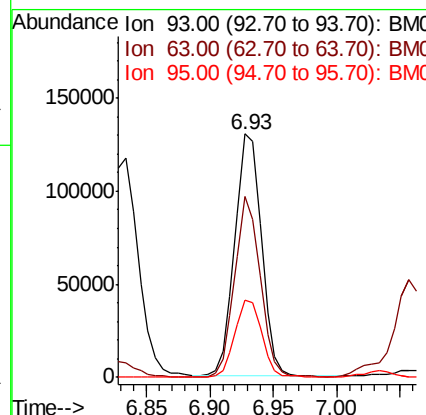
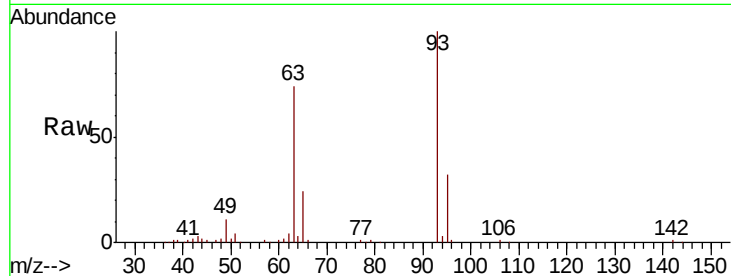
#11
bis(2-Chloroethyl)ether
Concen: 26.675 ng
RT: 6.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.2	51.7	91.7
95	31.9	13.1	53.1

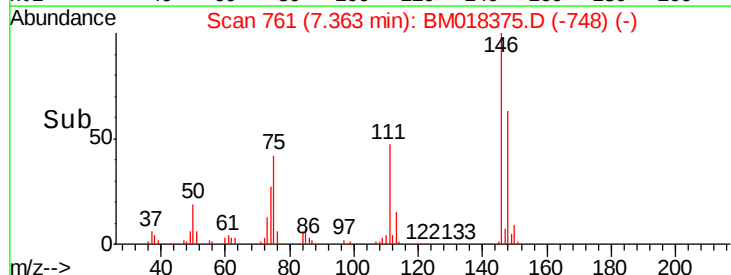
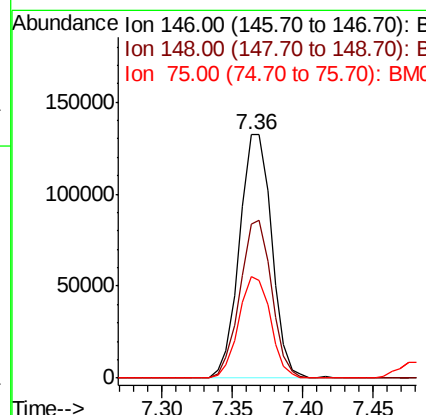
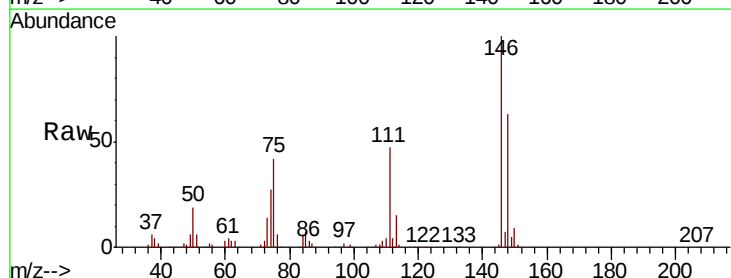
Manual Integrations
APPROVED

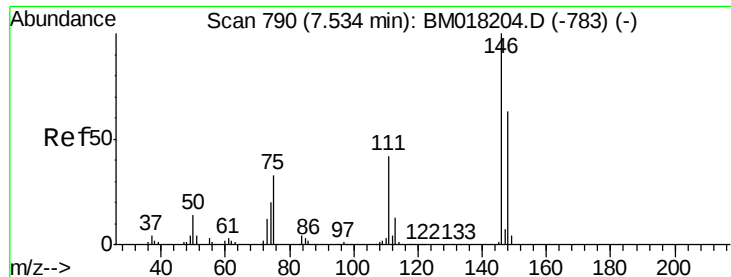
Sohil
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#12
1,3-Dichlorobenzene
Concen: 26.446 ng
RT: 7.36 min Scan# 761
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
75	41.5	27.0	40.4





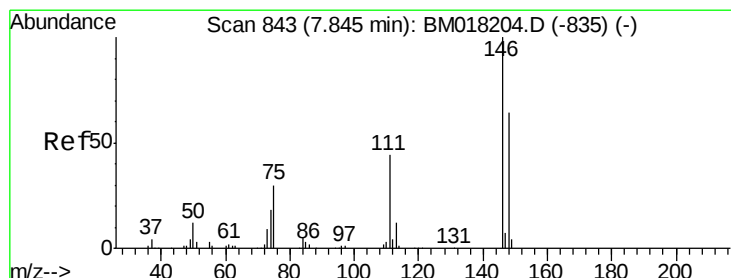
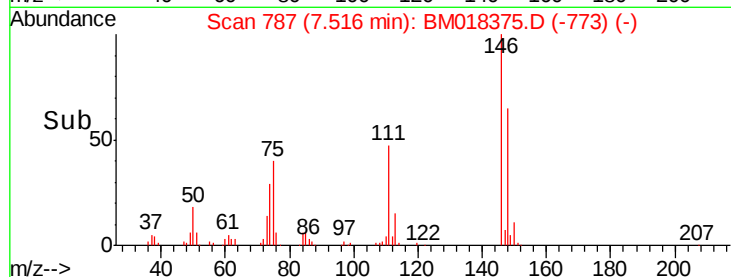
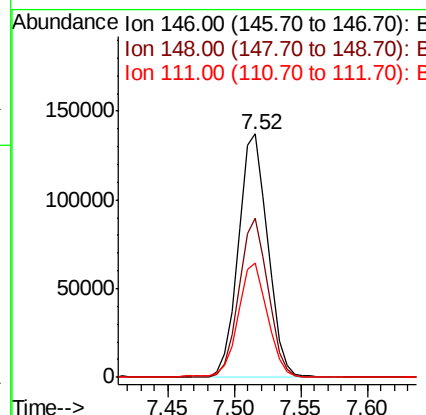
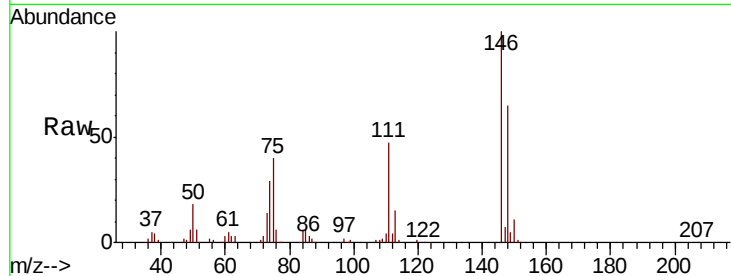
#13
1,4-Dichlorobenzene
Concen: 25.748 ng
RT: 7.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.7	76.1
111	47.1	34.2	51.2

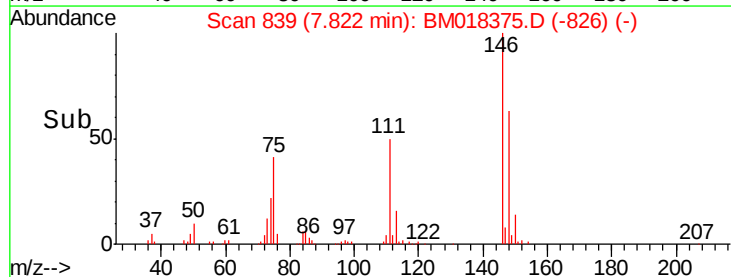
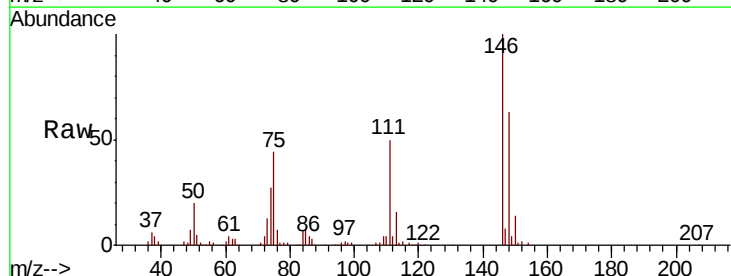
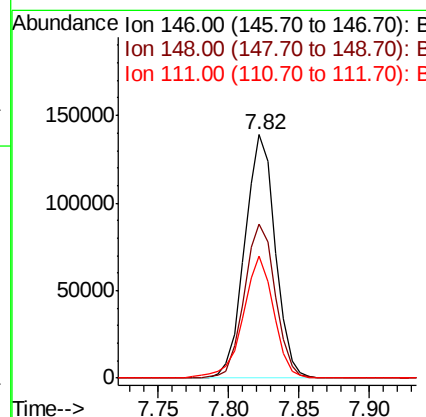
Manual Integrations
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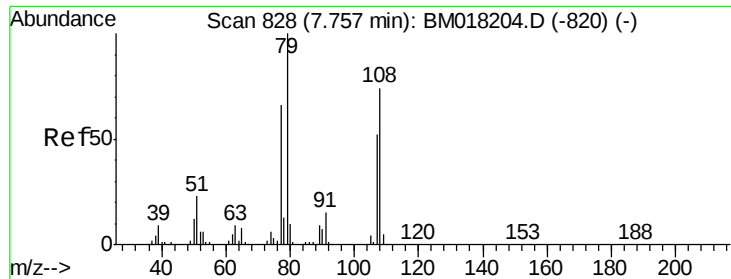
Sohil
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#14
1,2-Dichlorobenzene
Concen: 26.727 ng
RT: 7.82 min Scan# 839
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.3	76.9
111	49.9	35.8	53.8





#15

Benzyl Alcohol

Concen: 30.704 ng

RT: 7.74 min Scan# 825

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

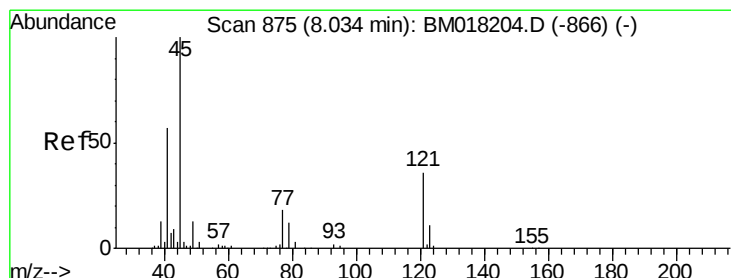
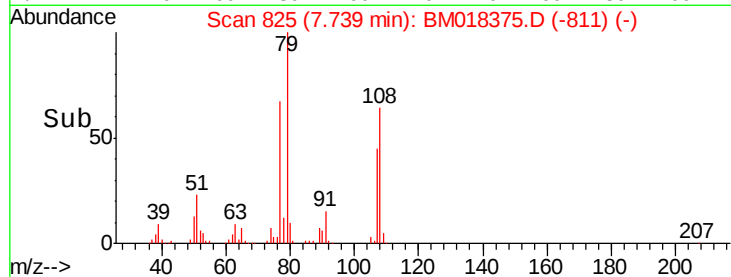
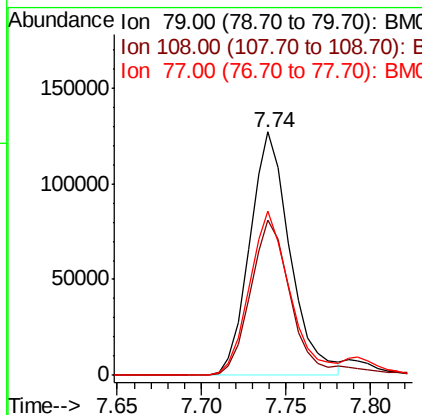
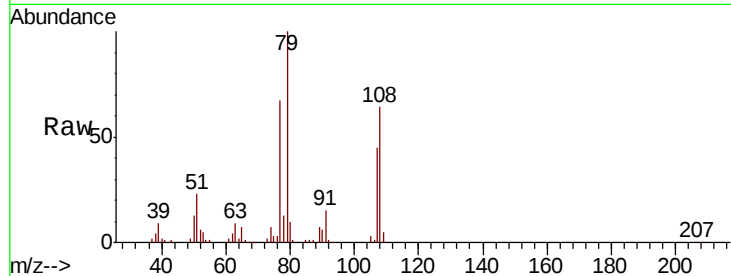
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	79	Resp:	211407
Ion Ratio	Lower	Upper	
79	100		
108	64.0	59.3	88.9
77	67.3	53.0	79.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 22.140 ng

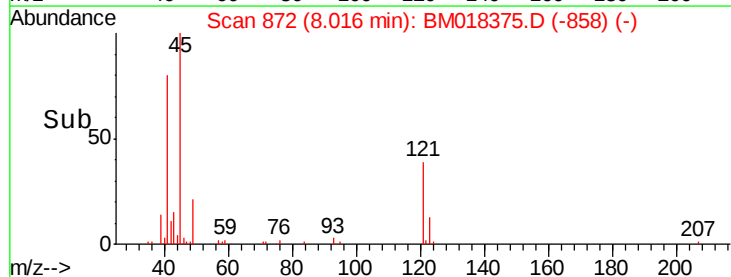
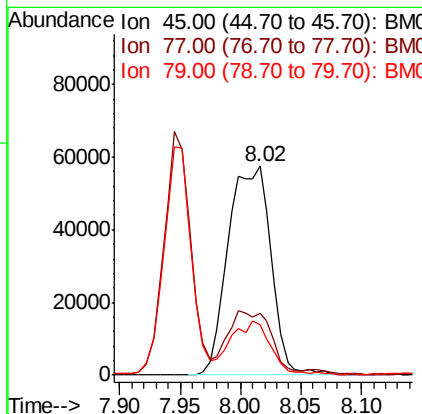
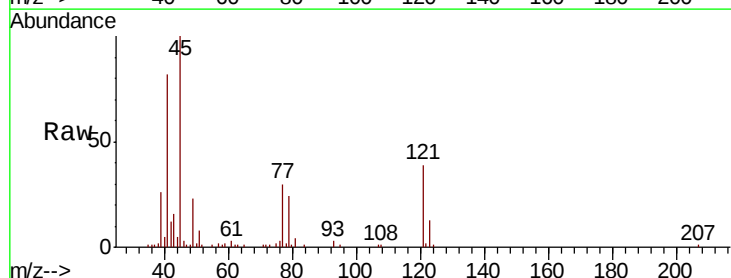
RT: 8.02 min Scan# 872

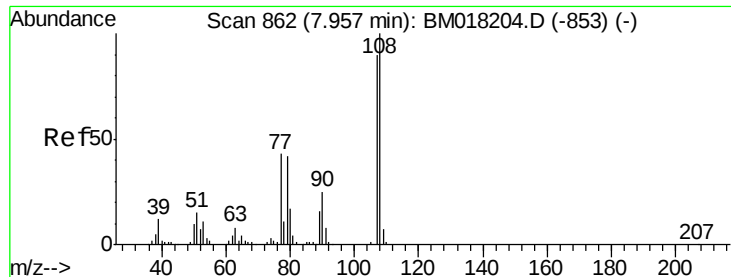
Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	45	Resp:	141705
Ion Ratio	Lower	Upper	
45	100		
77	29.5	2.5	42.5
79	24.2	0.0	37.2





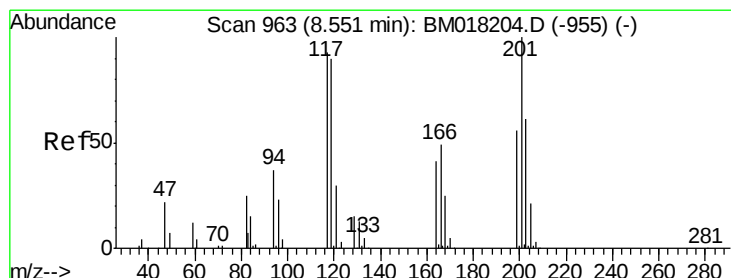
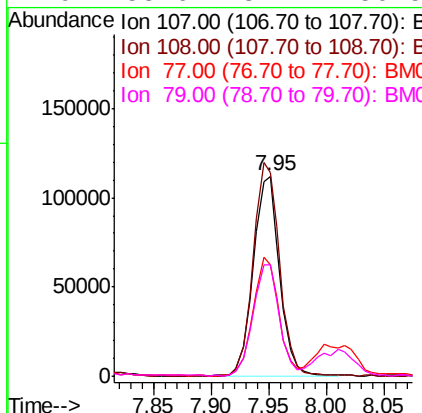
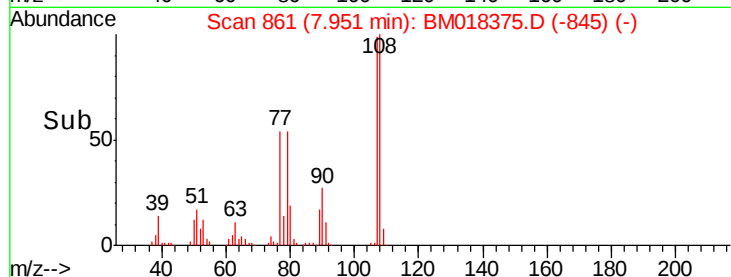
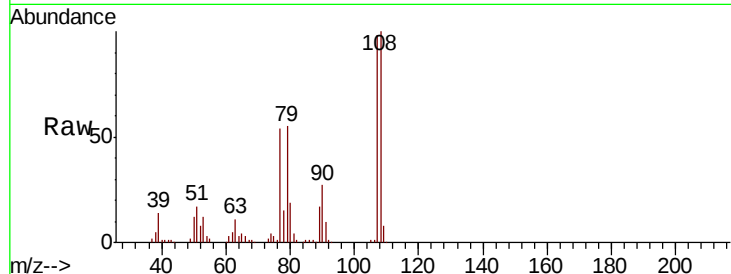
#17
2-Methylphenol
Concen: 29.890 ng
RT: 7.95 min Scan# 861
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	101.8	89.3	133.9	
77	55.4	38.2	57.4	
79	55.6	37.7	56.5	

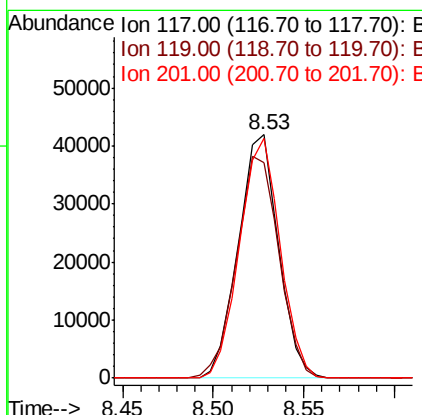
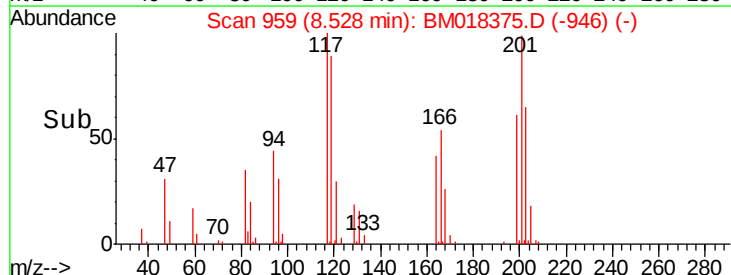
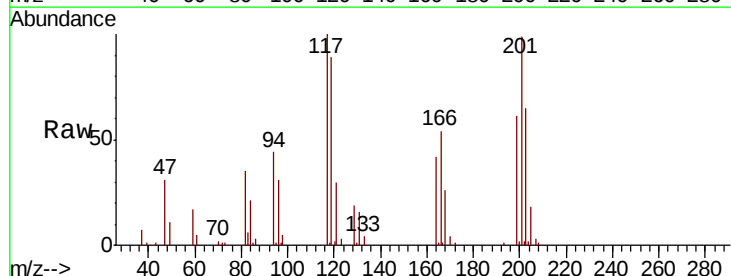
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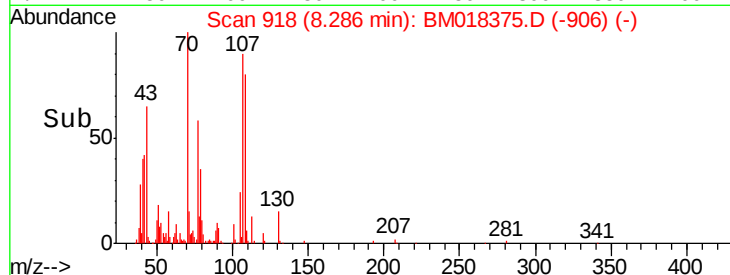
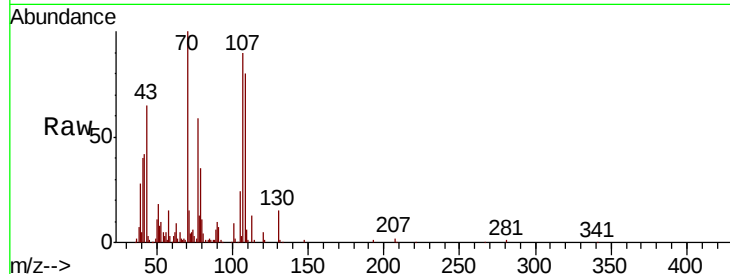
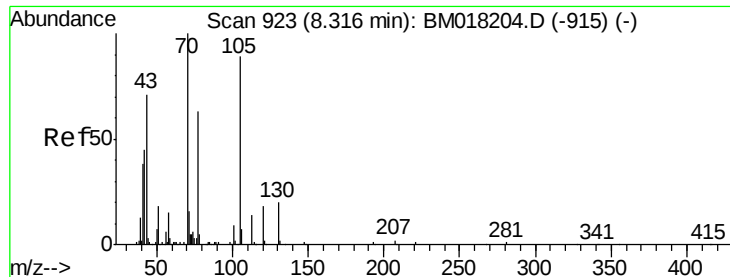
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#18
Hexachloroethane
Concen: 21.681 ng
RT: 8.53 min Scan# 959
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	88.7	77.0	115.4	
201	98.5	85.7	128.5	





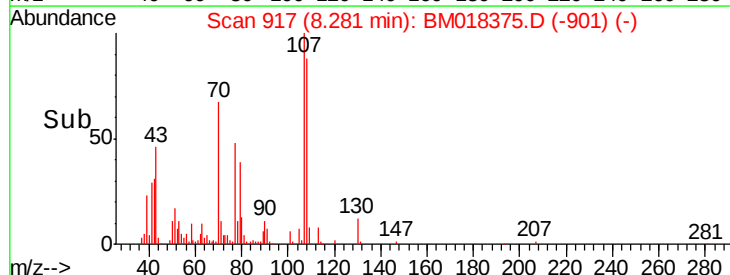
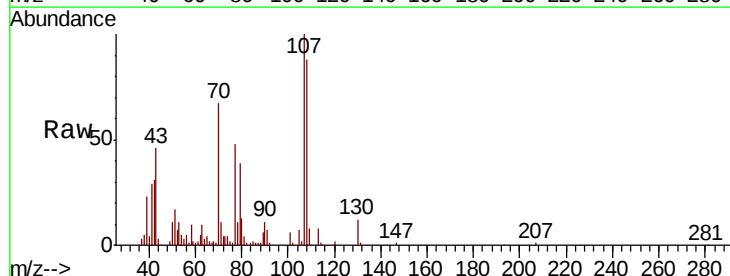
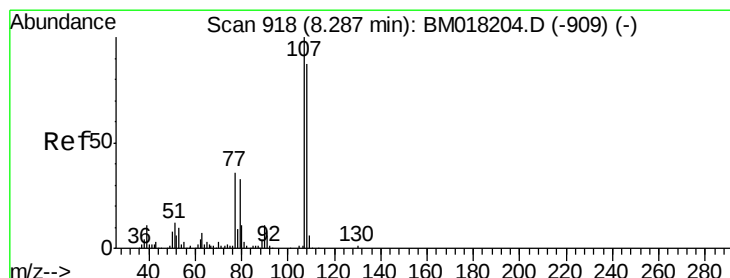
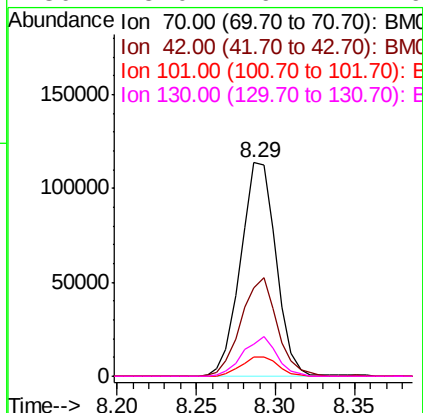
#19
n-Nitroso-di-n-propylamine
Concen: 28.066 ng
RT: 8.29 min Scan# 918
Delta R.T. -0.03 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	41.7	36.2	54.2
101	8.9	7.5	11.3
130	15.0	16.4	24.6

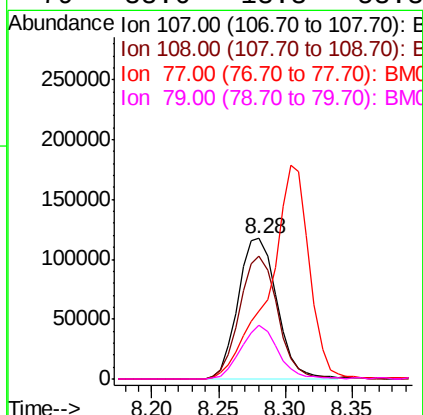
Manual Integrations
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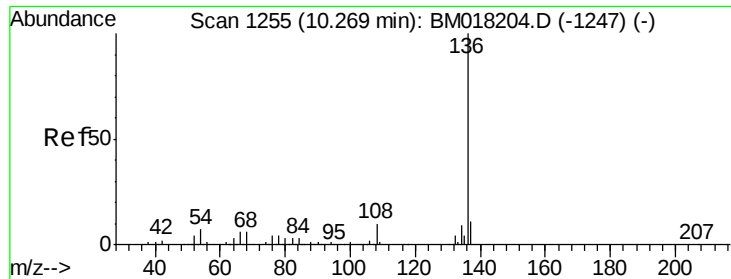
Sohil
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#20
3+4-Methylphenols
Concen: 28.387 ng
RT: 8.28 min Scan# 917
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	67.4	107.4
77	48.1	15.7	55.7
79	38.6	13.3	53.3





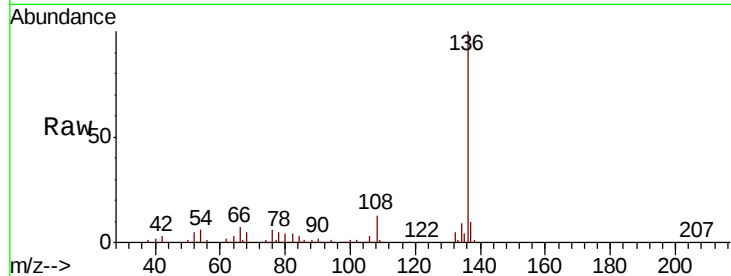
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	435186		
137	10.3	9.2	13.8	
54	5.8	5.2	7.8	
68	5.0	5.0	7.6	

Manual Integrations
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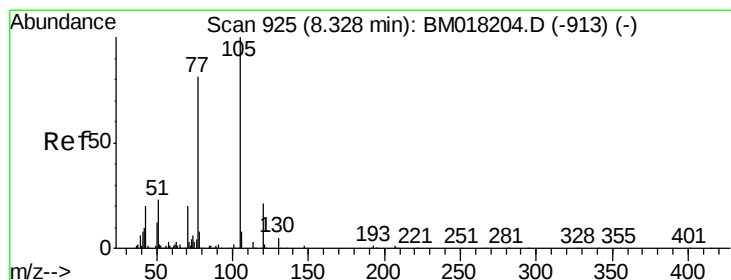
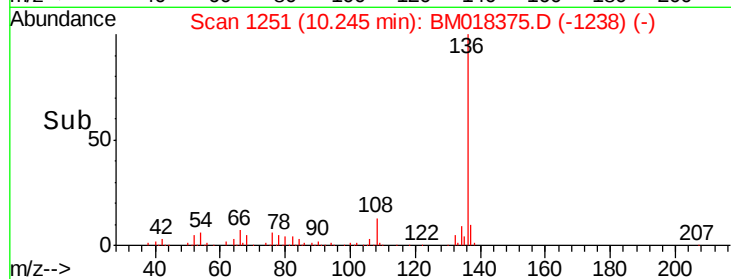
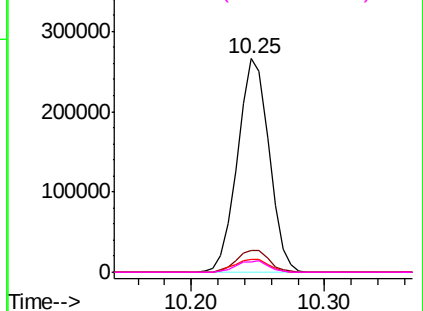
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22
Acetophenone
Concen: 28.001 ng
RT: 8.30 min Scan# 921
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322476		
71	3.5	2.6	4.0	
51	25.3	18.3	27.5	
120	20.9	17.0	25.6	

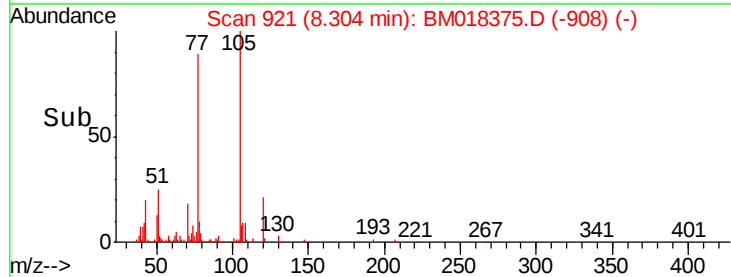
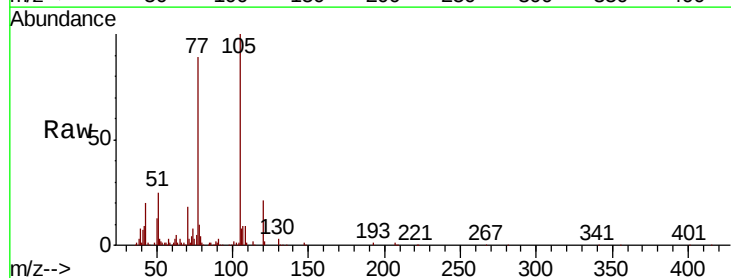
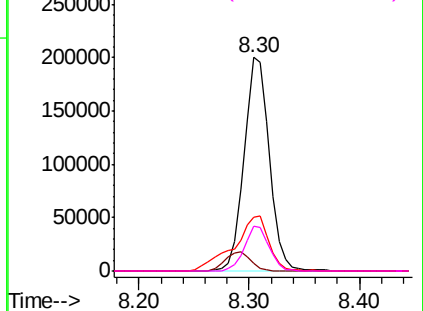
Abundance

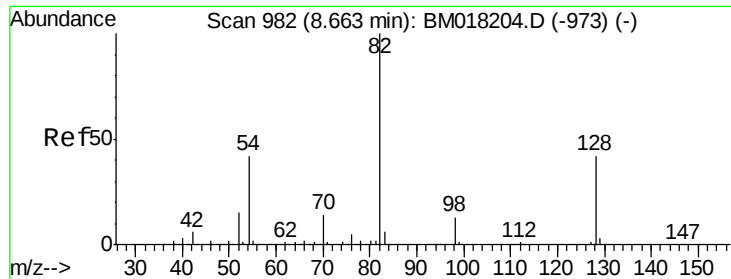
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





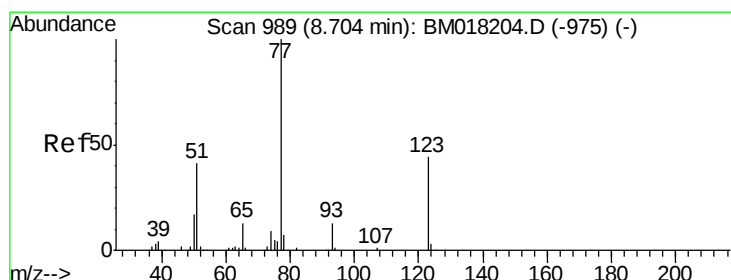
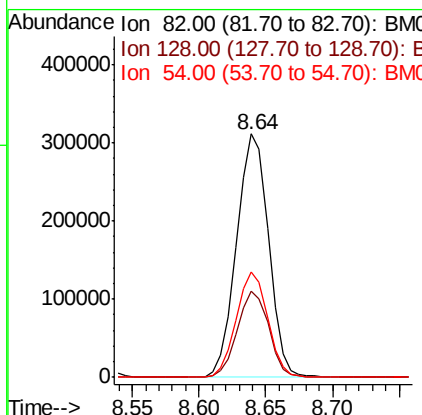
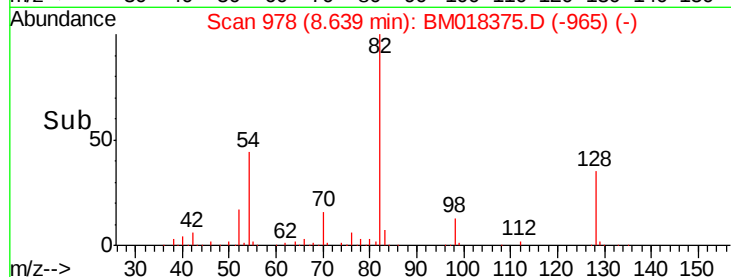
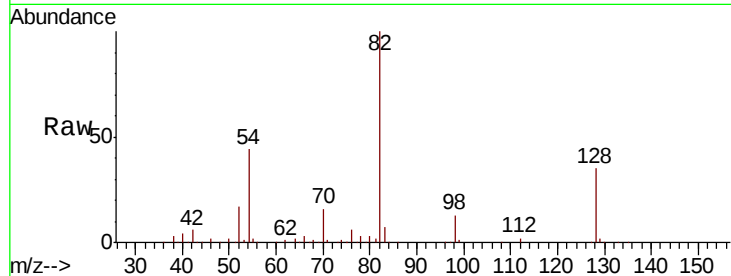
#23
Nitrobenzene-d5
Concen: 61.086 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.3	33.4	50.2
54	43.5	33.4	50.2

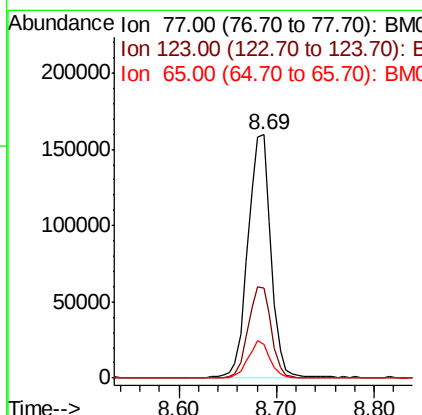
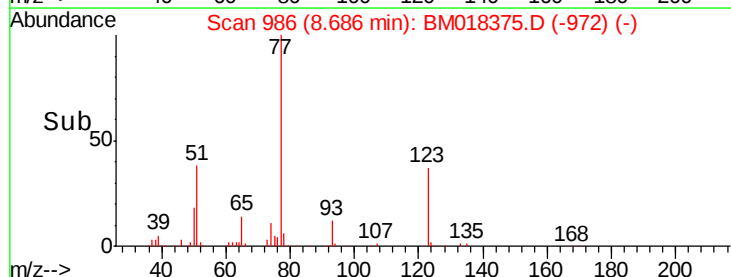
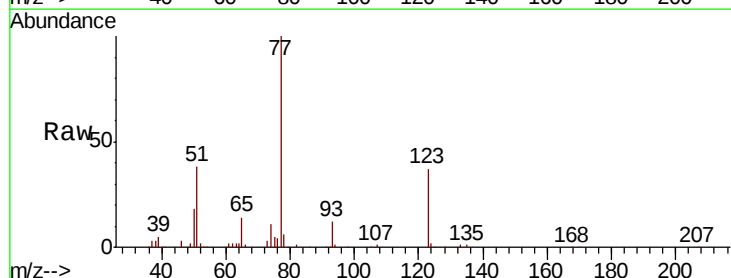
Manual Integrations
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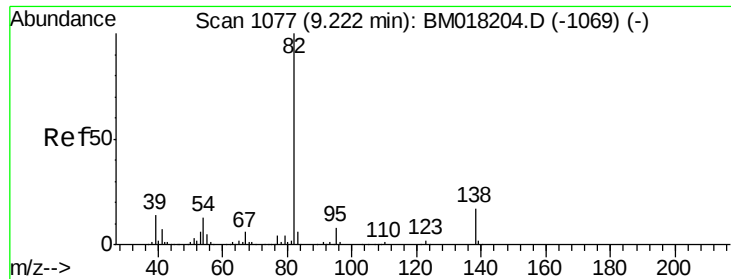
Sohil
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#24
Nitrobenzene
Concen: 31.384 ng
RT: 8.69 min Scan# 986
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.9	35.4	53.2
65	13.7	10.6	15.8





#25

Isophorone

Concen: 32.004 ng

RT: 9.20 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

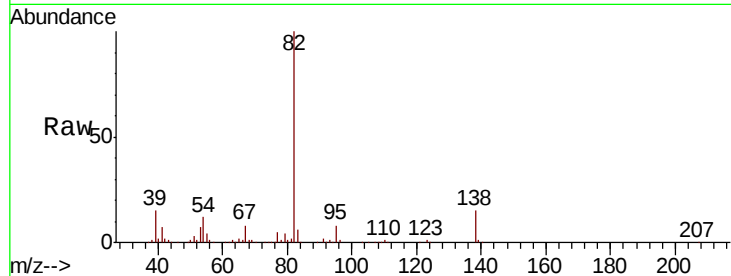
ClientSampleId :

SOIL-CUTTINGSMSD

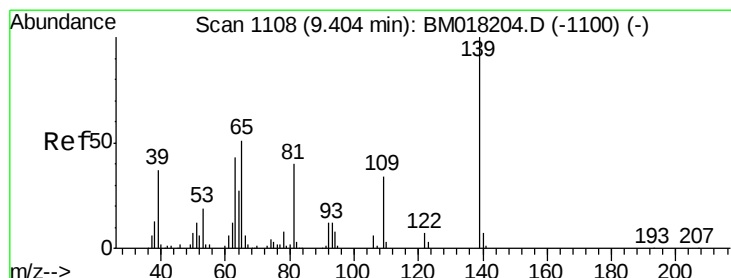
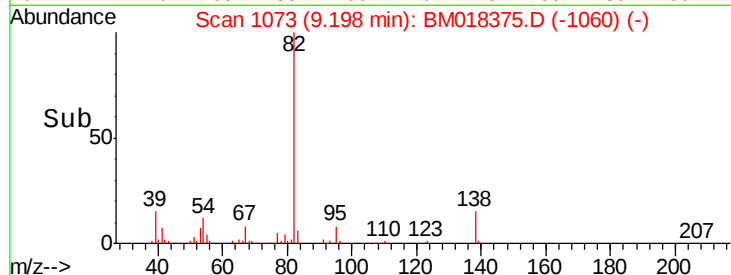
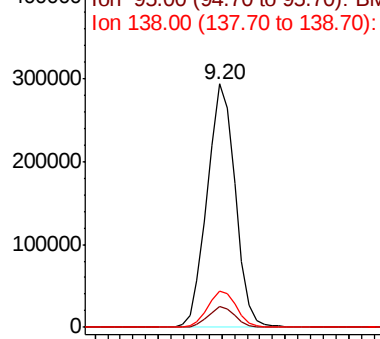
Tot Ion:	82	Resp:	452057
Ion Ratio	Lower	Upper	
82	100		
95	8.4	6.4	9.6
138	15.0	13.9	20.9

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BM018204.D (-1069) (-)



#26

2-Nitrophenol

Concen: 17.230 ng

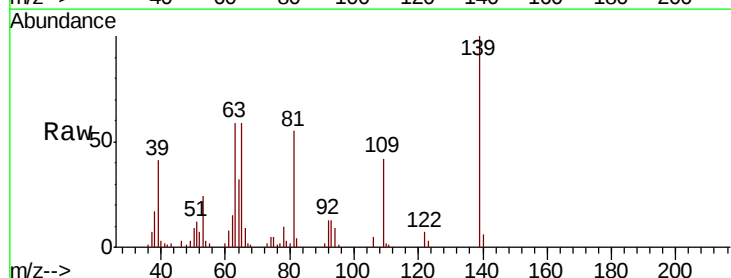
RT: 9.39 min Scan# 1105

Delta R.T. -0.02 min

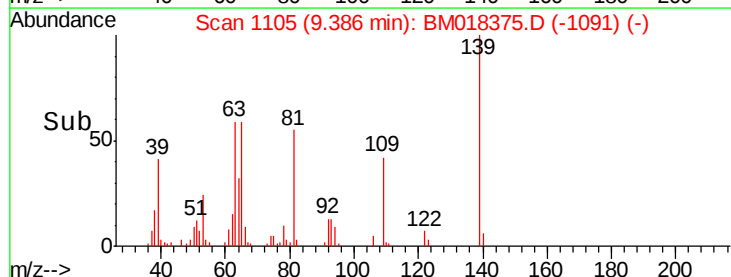
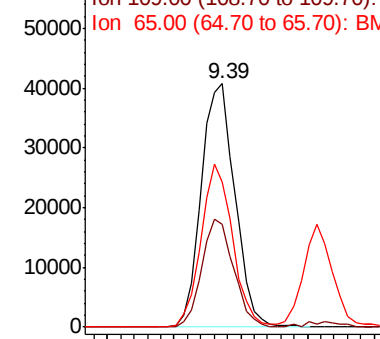
Lab File: BM018375.D

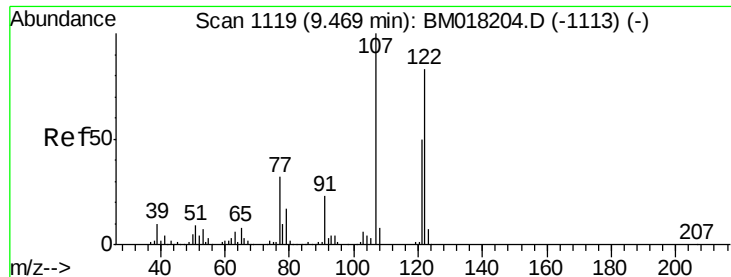
Acq: 22 Dec 2018 02:07

Tgt Ion:	139	Resp:	71639
Ion Ratio	Lower	Upper	
139	100		
109	42.1	27.4	41.0#
65	59.4	41.0	61.4



Abundance Ion 139.00 (138.70 to 139.70): BM018204.D (-1100) (-)





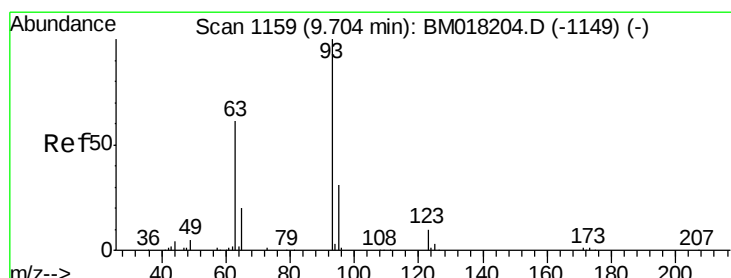
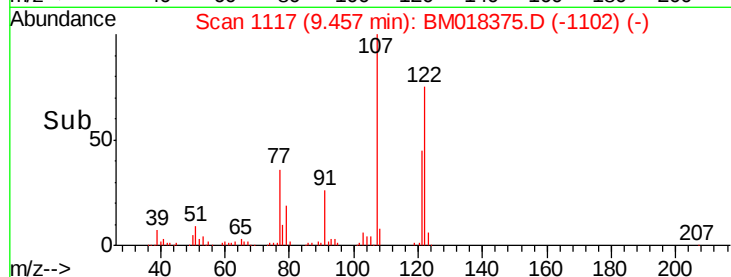
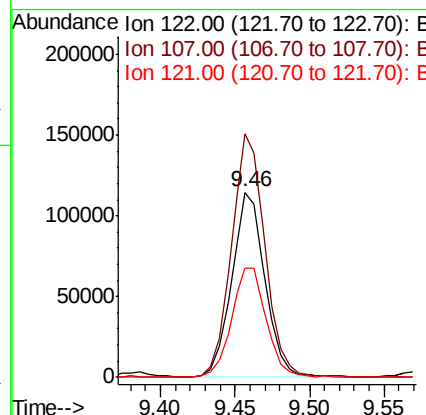
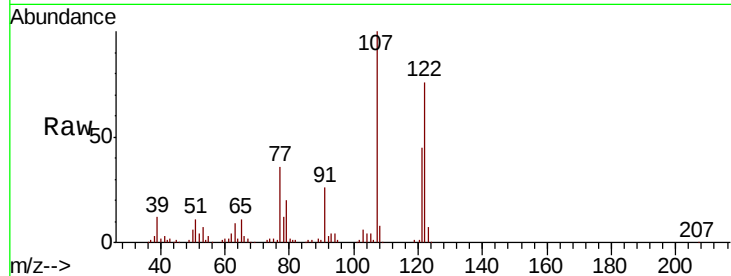
#27
2,4-Dimethylphenol
Concen: 29.814 ng
RT: 9.46 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	131.8	96.5	144.7
121	59.3	48.2	72.4

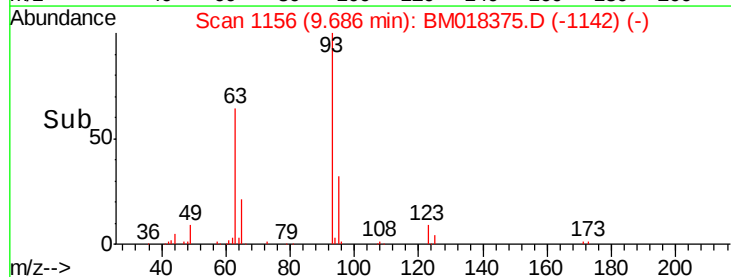
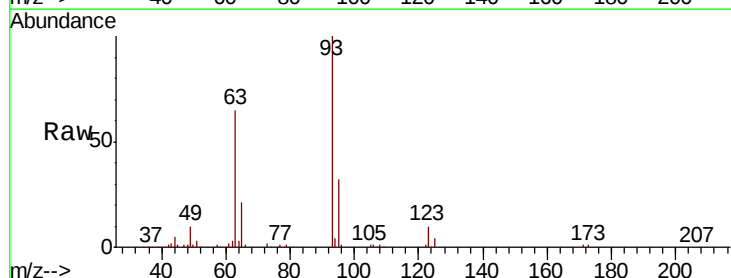
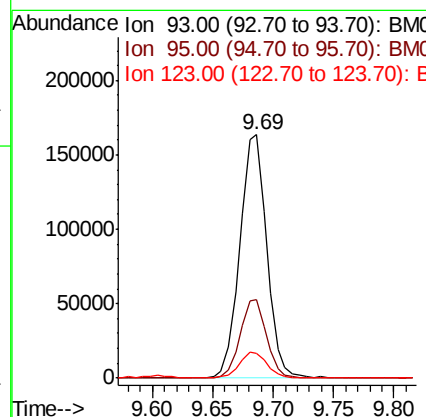
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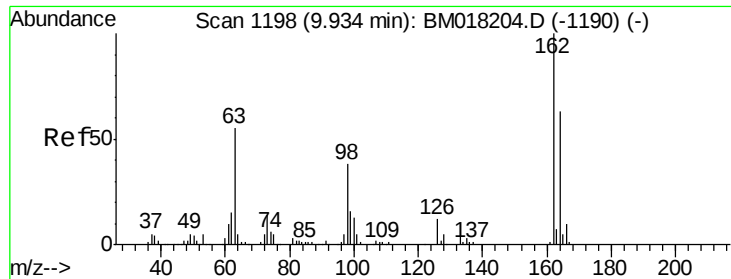
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#28
bis(2-Chloroethoxy)methane
Concen: 27.752 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.3	37.9
123	10.0	9.3	13.9





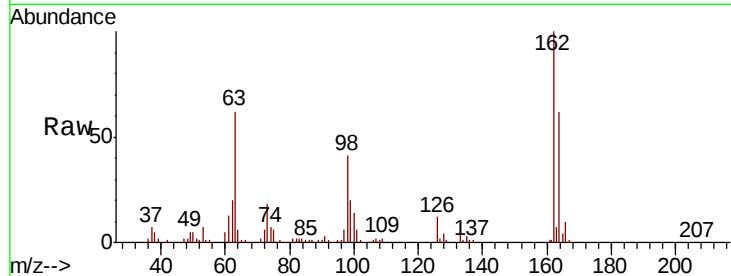
#29
2,4-Dichlorophenol
Concen: 29.601 ng
RT: 9.92 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	196673		
164	61.6	43.0	83.0	
98	40.9	18.3	58.3	

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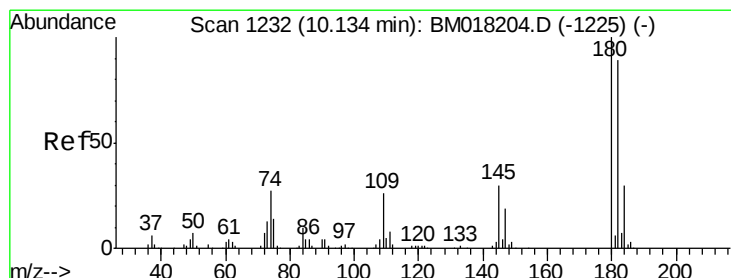
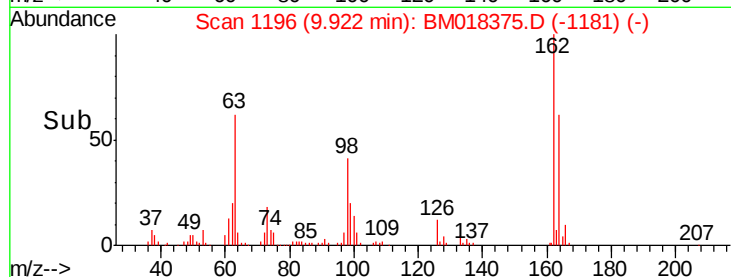
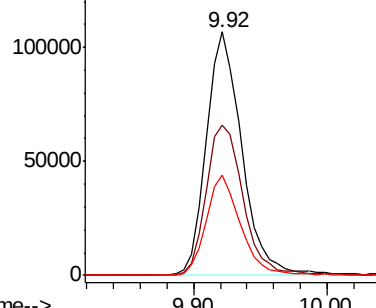


Abundance

Ion 162.00 (161.70 to 162.70): E

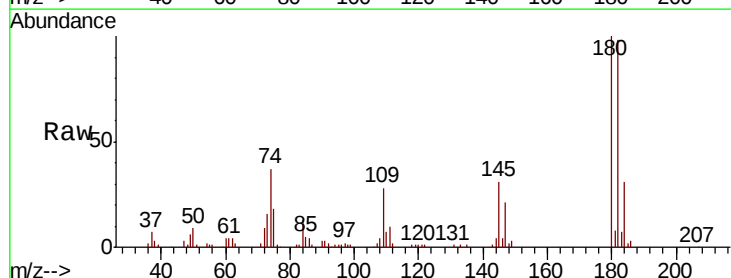
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30
1,2,4-Trichlorobenzene
Concen: 28.457 ng
RT: 10.12 min Scan# 1229
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215066		
182	97.5	71.4	107.2	
145	31.0	24.4	36.6	

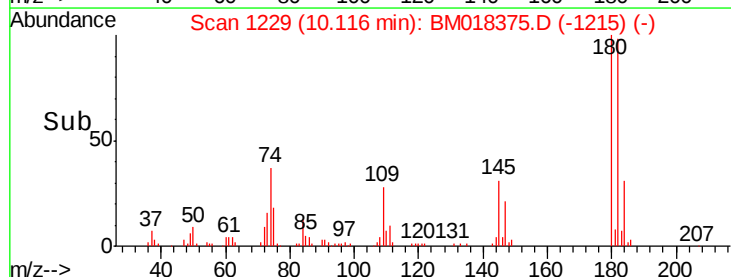
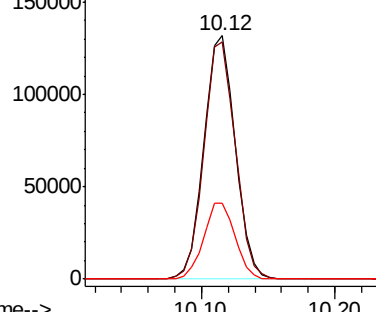


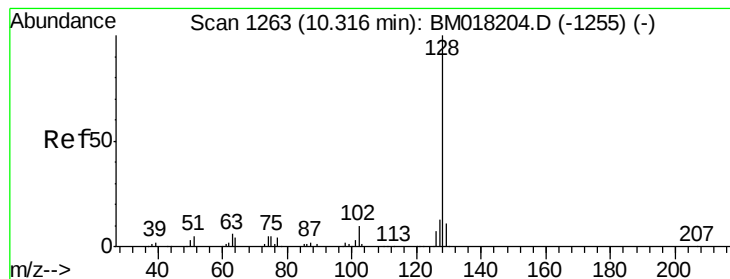
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 29.174 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

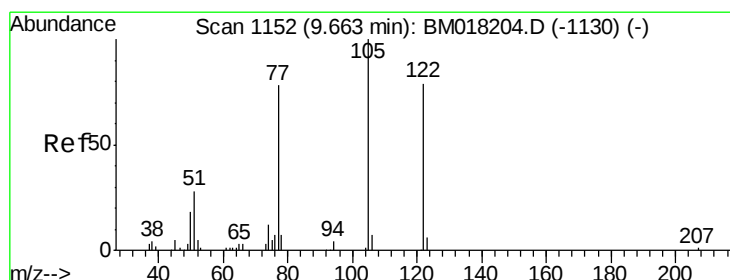
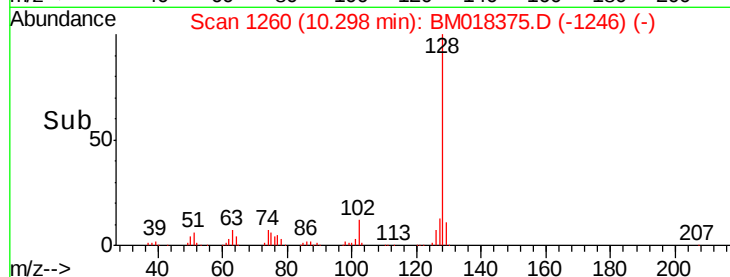
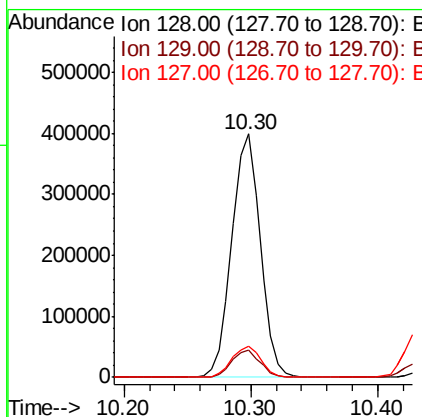
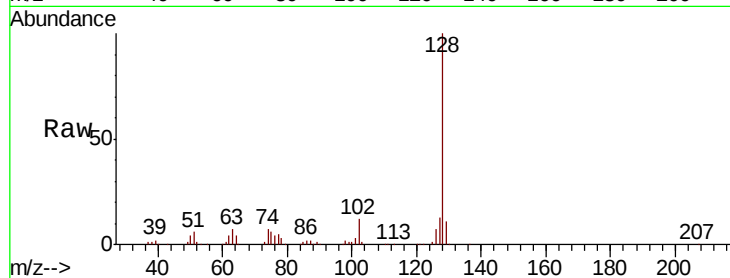
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	128	Resp:	620803
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	12.7	10.4	15.6

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#32

Benzoic acid

Concen: 9.747 ng m

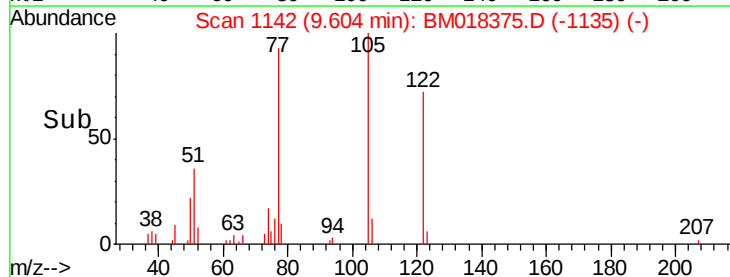
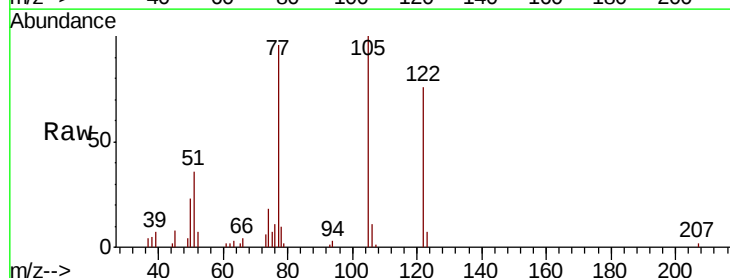
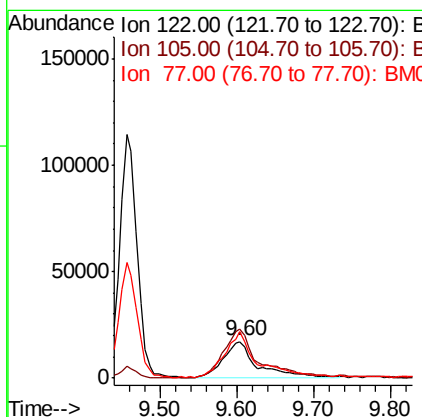
RT: 9.60 min Scan# 1142

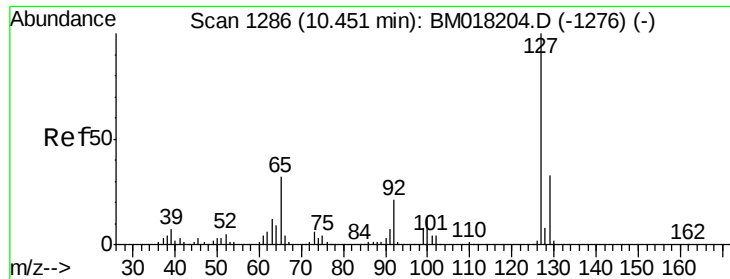
Delta R.T. -0.06 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	122	Resp:	55305
Ion Ratio	Lower	Upper	
122	100		
105	132.2	104.8	144.8
77	126.9	77.7	117.7#





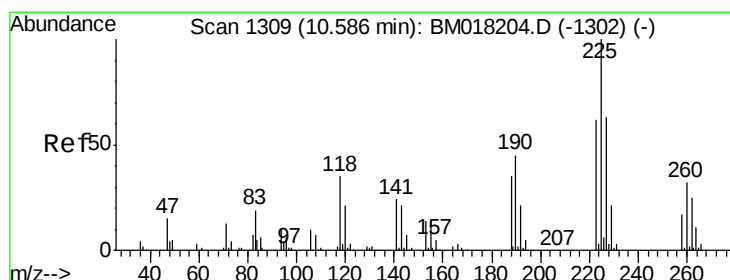
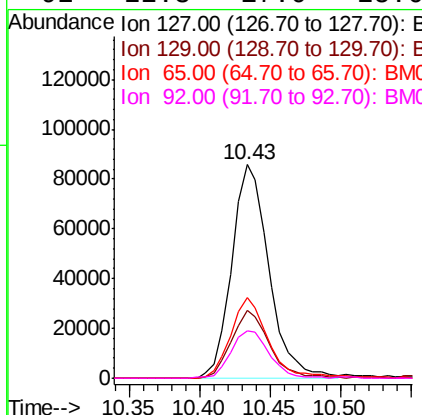
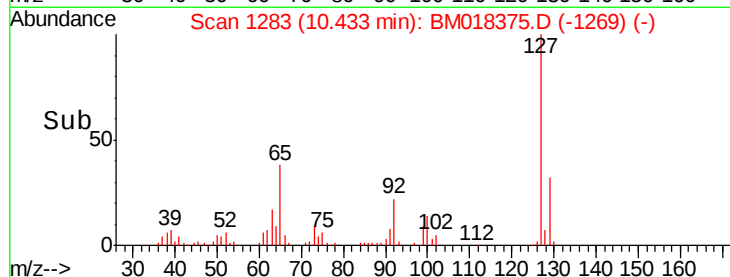
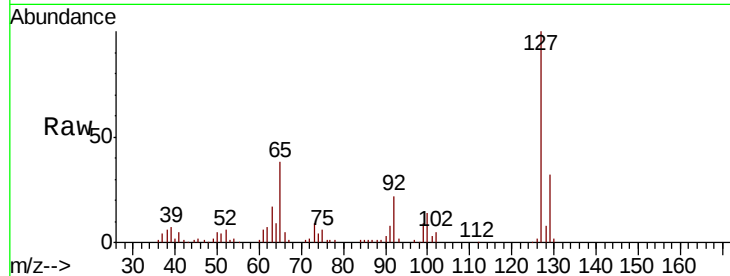
#33
4-Chloroaniline
Concen: 16.955 ng
RT: 10.43 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.4	39.6
65	37.6	25.6	38.4
92	22.3	17.0	25.6

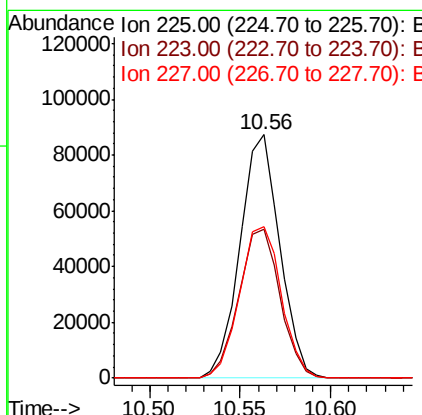
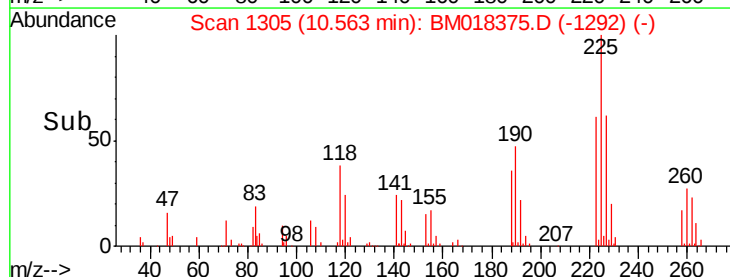
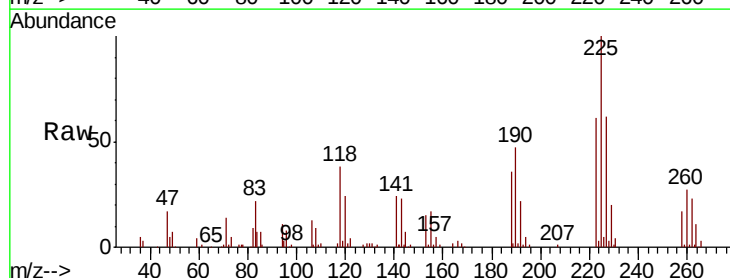
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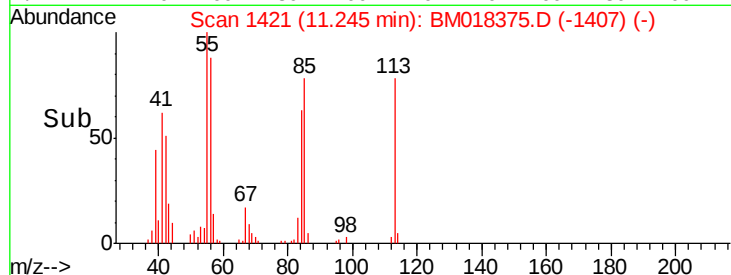
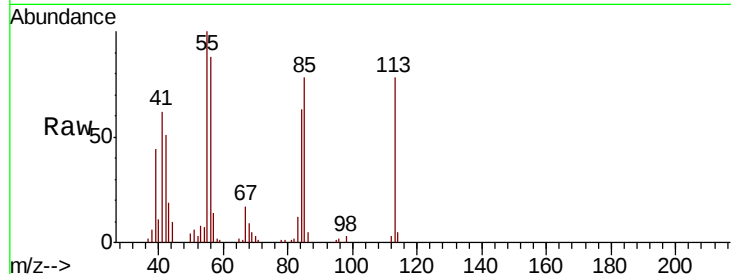
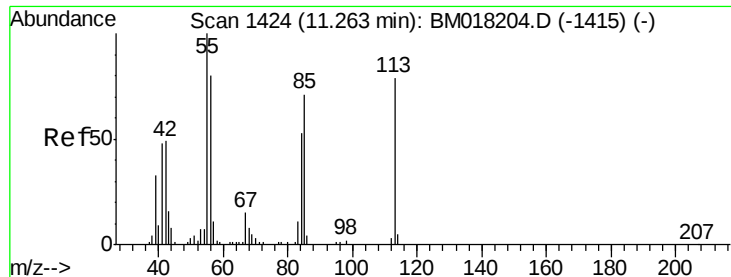
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#34
Hexachlorobutadiene
Concen: 27.871 ng
RT: 10.56 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.8	74.6
227	62.2	50.2	75.4





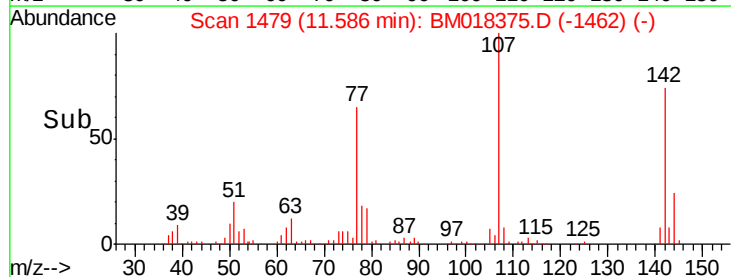
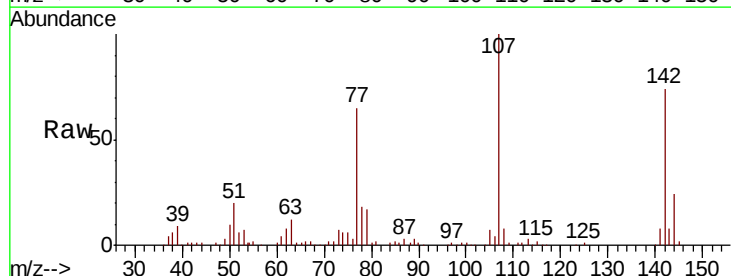
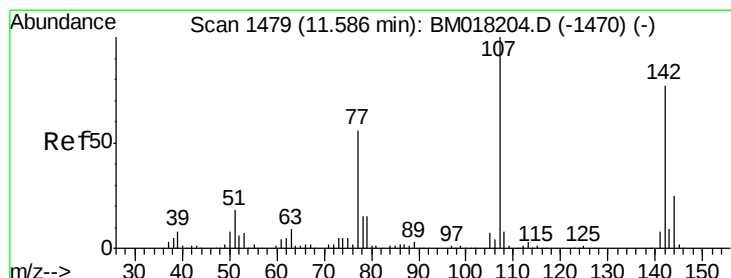
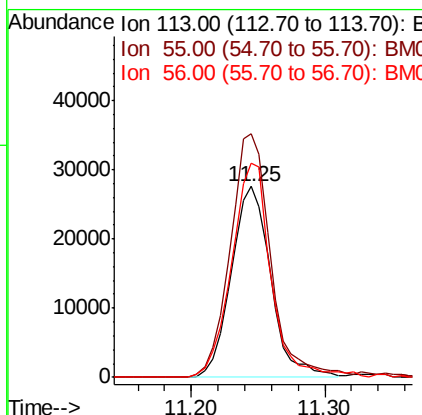
#35
Caprolactam
Concen: 22.409 ng
RT: 11.25 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tot Ion:113 Resp: 56733
Ion Ratio Lower Upper
113 100
55 127.6 105.9 145.9
56 112.1 80.1 120.1

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

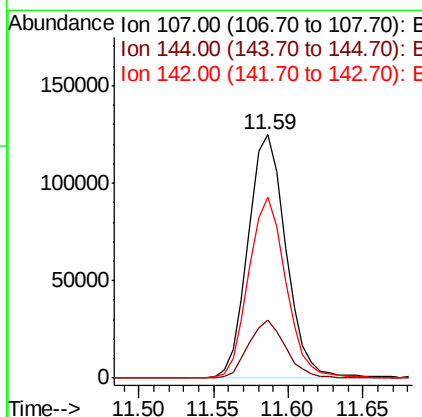
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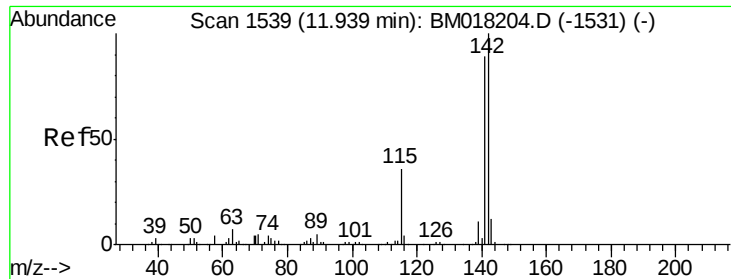
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#36
4-Chloro-3-methylphenol
Concen: 27.433 ng
RT: 11.59 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion:107 Resp: 219010
Ion Ratio Lower Upper
107 100
144 23.9 20.1 30.1
142 74.3 61.7 92.5





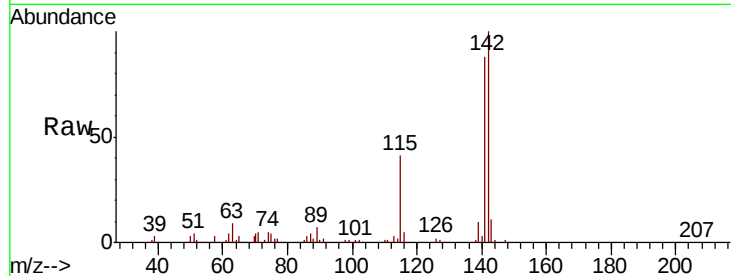
#37
2-Methylnaphthalene
Concen: 29.538 ng
RT: 11.92 min Scan# 1536
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.4	107.2
115	40.8	29.0	43.6

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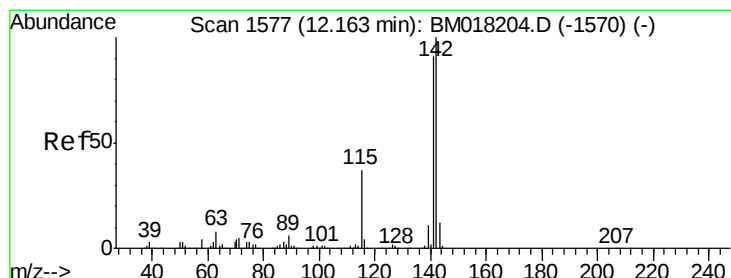
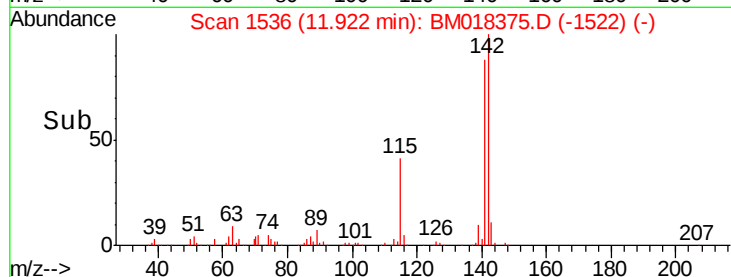
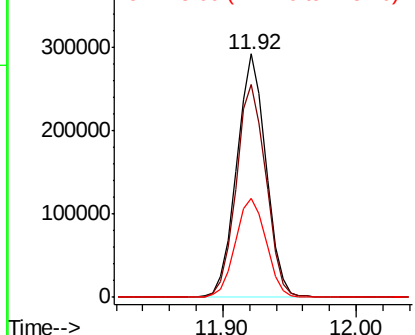


Abundance

Ion 142.00 (141.70 to 142.70): E

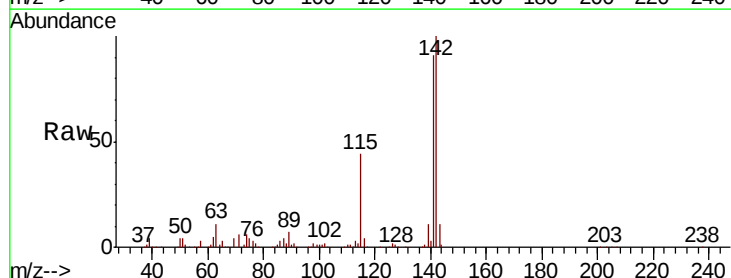
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 28.679 ng
RT: 12.15 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4
116	4.3	3.0	4.6

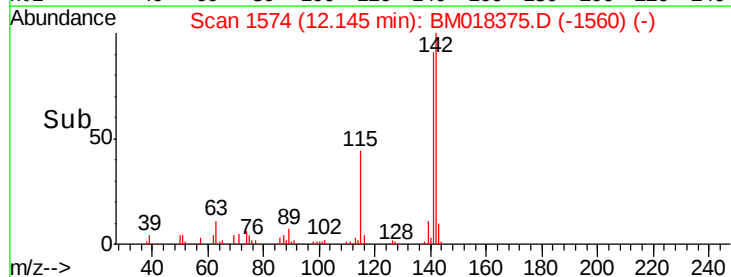
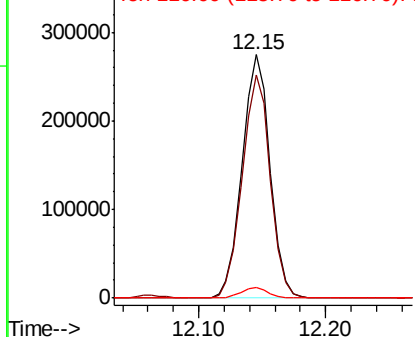


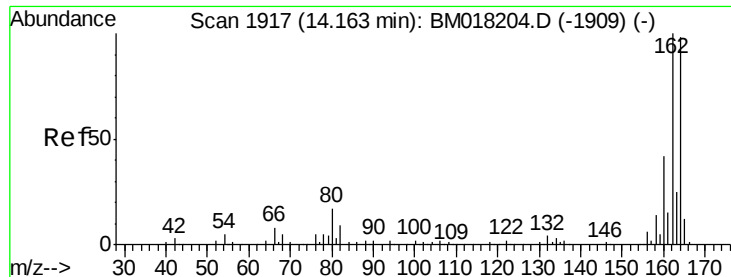
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:164 Resp: 236956

Ion Ratio Lower Upper

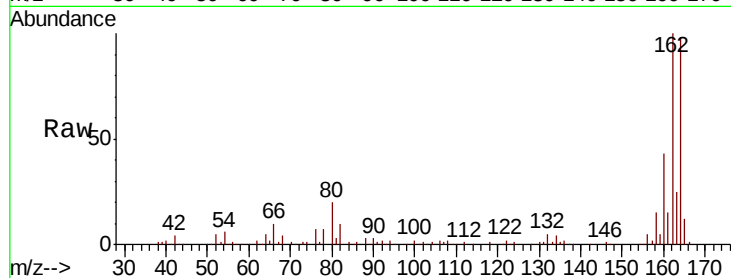
164 100

162 102.4 81.8 122.6

160 44.4 34.6 51.8

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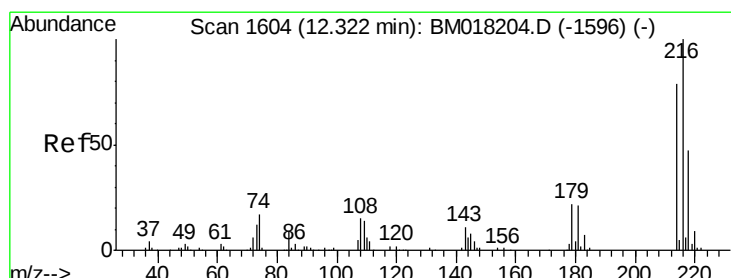
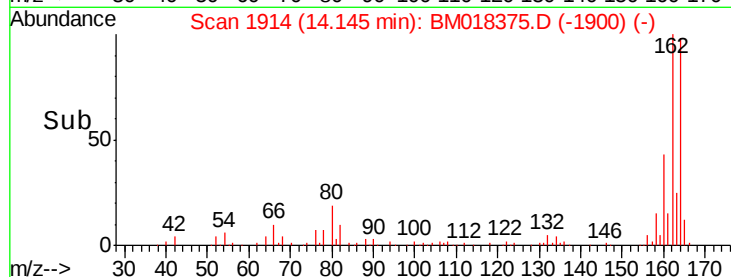
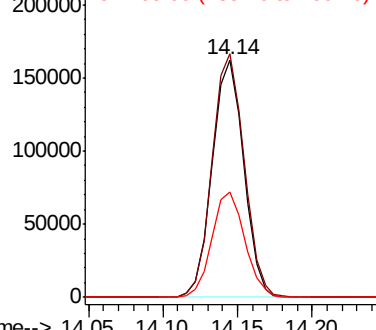


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 28.957 ng

RT: 12.30 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:216 Resp: 235948

Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.0

179 22.4 17.2 25.8

108 19.3 14.6 21.8

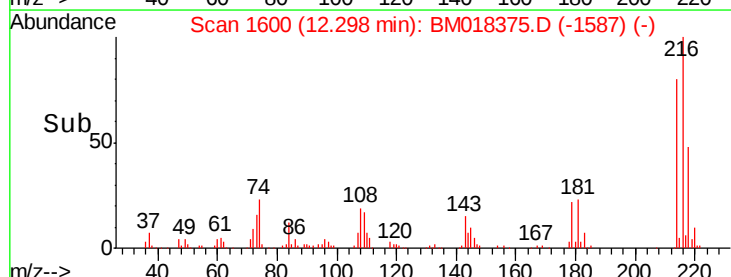
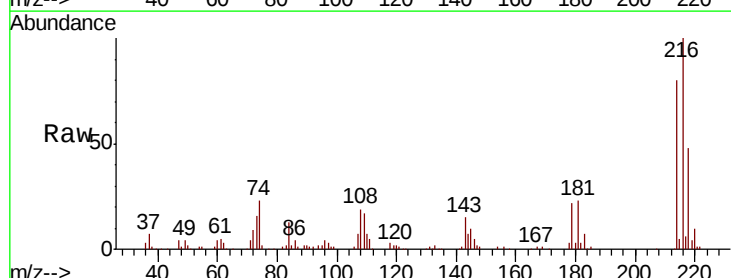
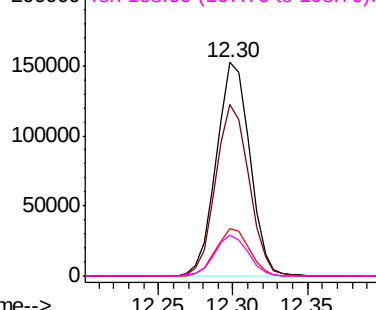
Abundance

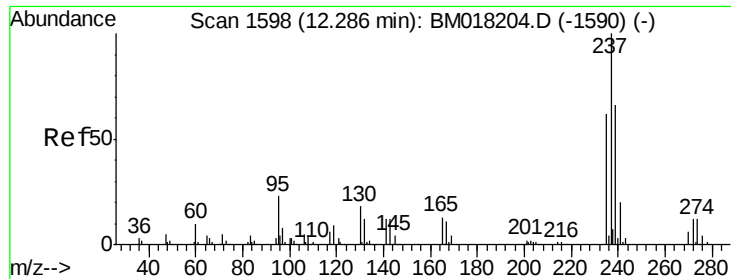
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 10.648 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

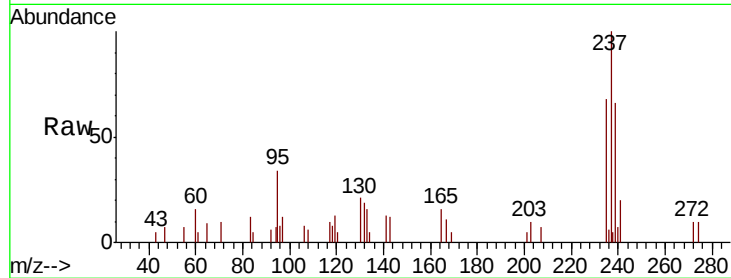
ClientSampleId :

SOIL-CUTTINGSMSD

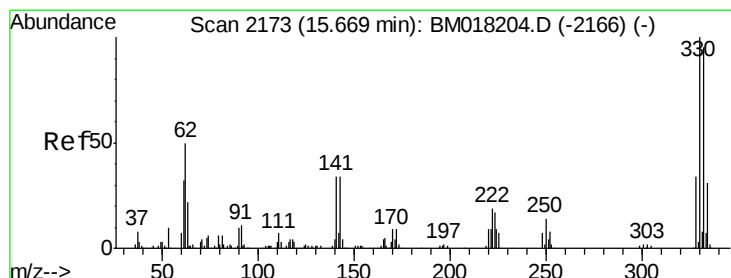
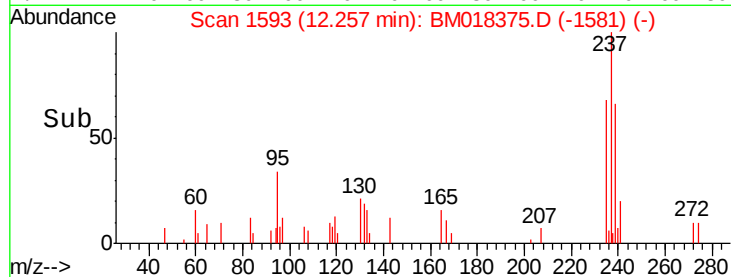
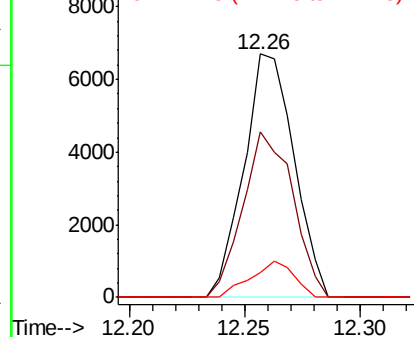
Tot Ion:	237	Resp:	10154
Ion Ratio	Lower	Upper	
237	100		
235	68.2	42.1	82.1
272	10.4	0.0	32.1

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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: 71.414 ng

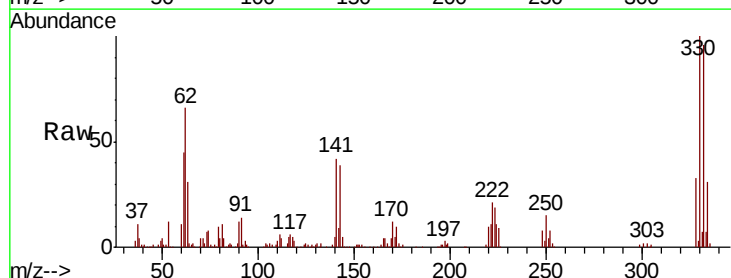
RT: 15.66 min Scan# 2171

Delta R.T. -0.01 min

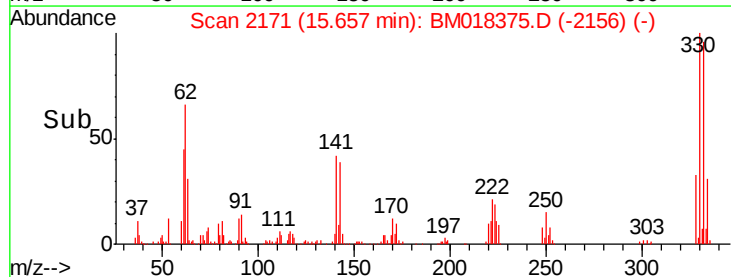
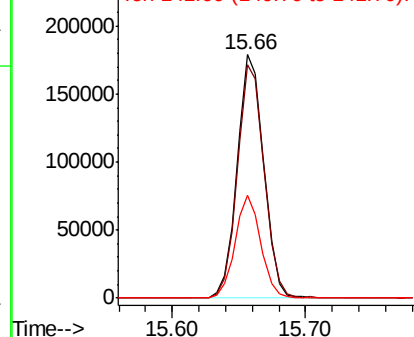
Lab File: BM018375.D

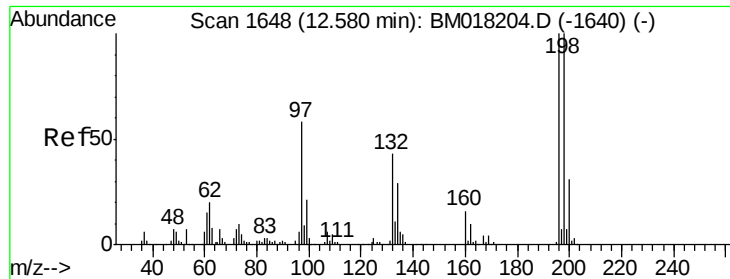
Acq: 22 Dec 2018 02:07

Tgt Ion:	330	Resp:	248367
Ion Ratio	Lower	Upper	
330	100		
332	96.4	78.6	118.0
141	41.1	27.1	40.7#



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





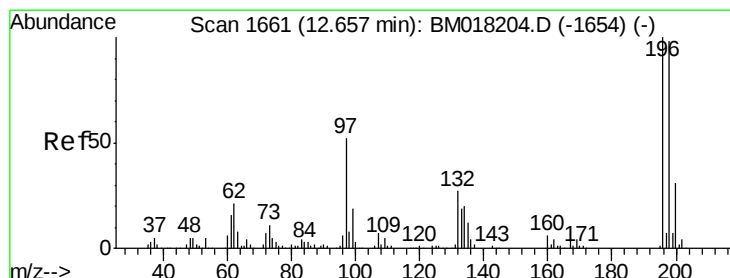
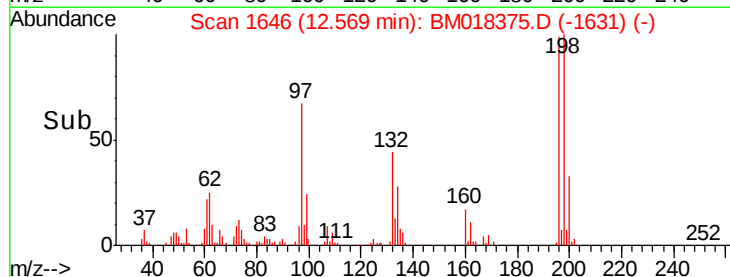
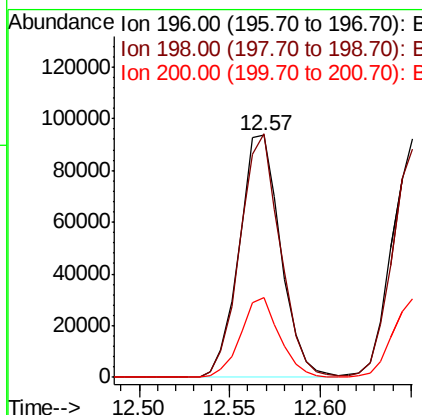
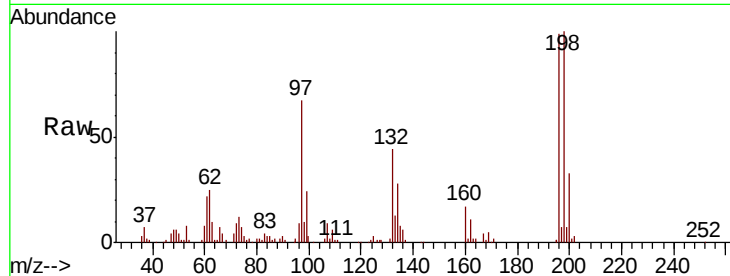
#43
 2,4,6-Trichlorophenol
 Concen: 28.454 ng
 RT: 12.57 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion:	196	Resp:	149123
Ion Ratio	Lower	Upper	
196	100		
198	100.7	80.1	120.1
200	33.1	24.9	37.3

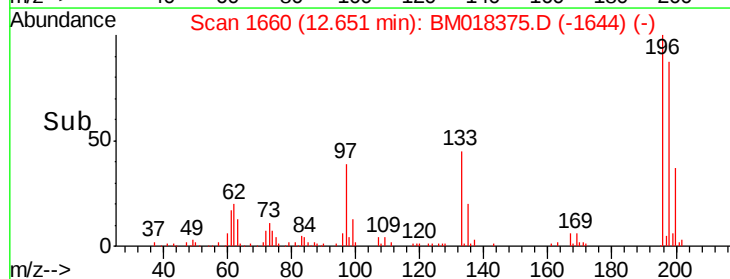
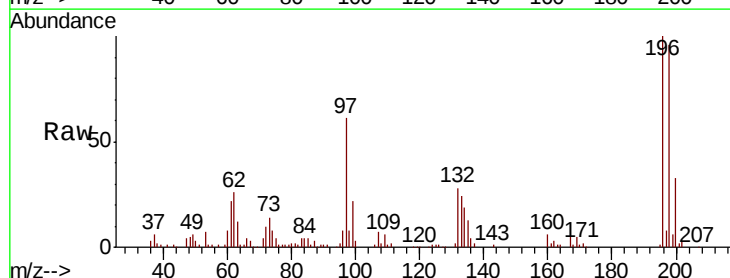
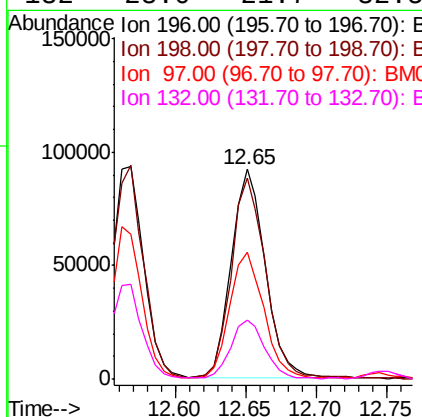
Manual Integrations
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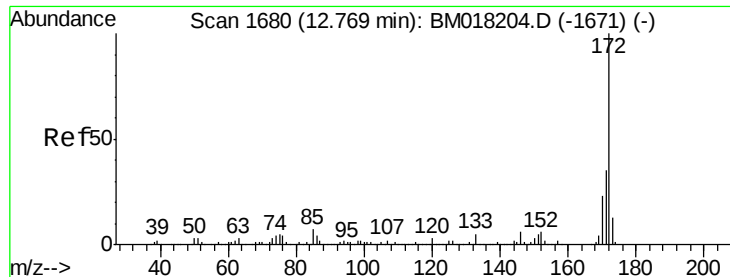
Sohil
 12/26/2018 3:20:24 PM



#44
 2,4,5-Trichlorophenol
 Concen: 27.712 ng
 RT: 12.65 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion:	196	Resp:	154182
Ion Ratio	Lower	Upper	
196	100		
198	95.8	78.5	117.7
97	60.6	41.9	62.9
132	28.0	21.7	32.5





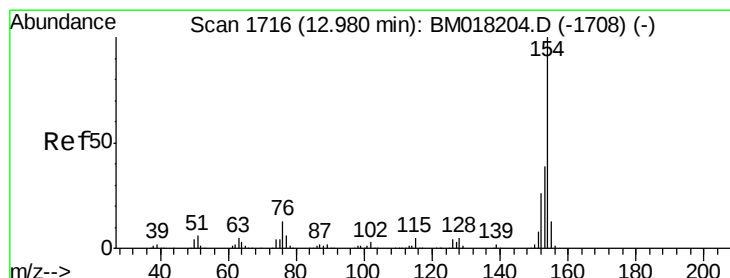
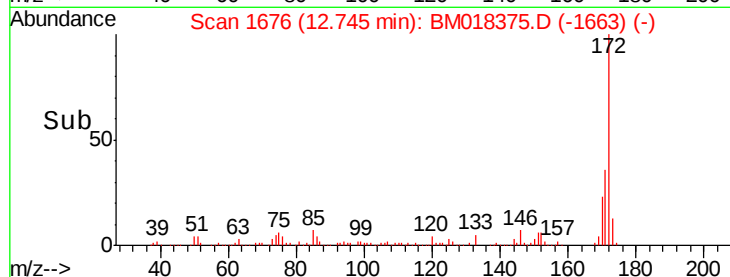
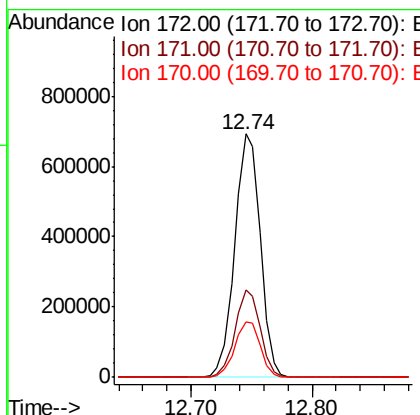
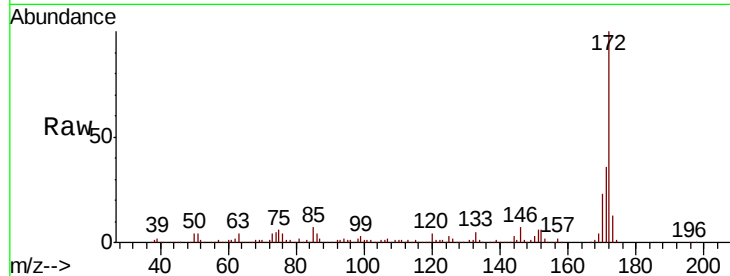
#45
2-Fluorobiphenyl
Concen: 55.878 ng
RT: 12.74 min Scan# 1676
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.0	18.1	27.1

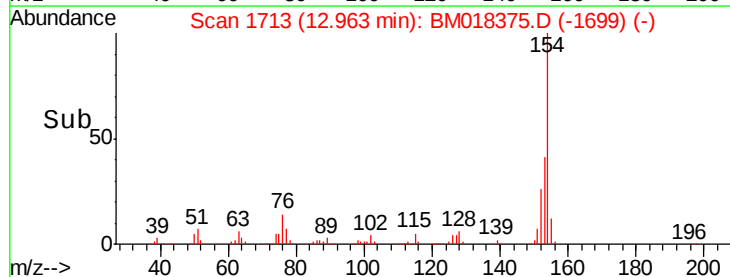
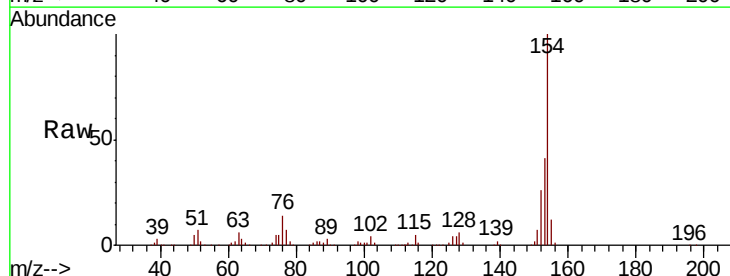
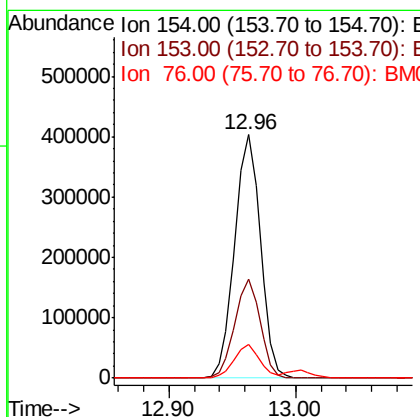
Manual Integrations
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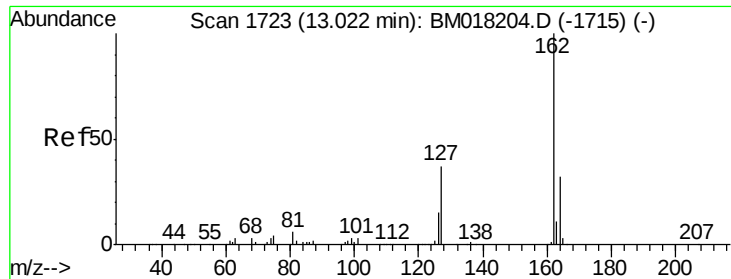
Sohil
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#46
1,1'-Biphenyl
Concen: 26.581 ng
RT: 12.96 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	19.5	59.5
76	13.6	0.0	33.1





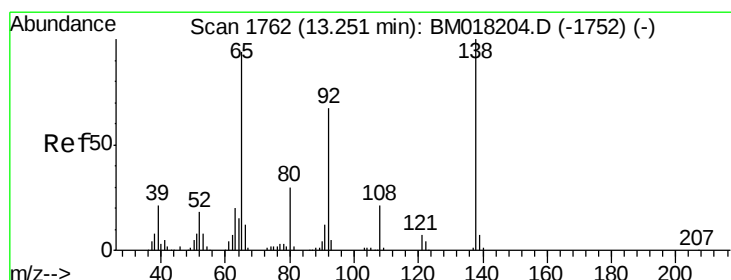
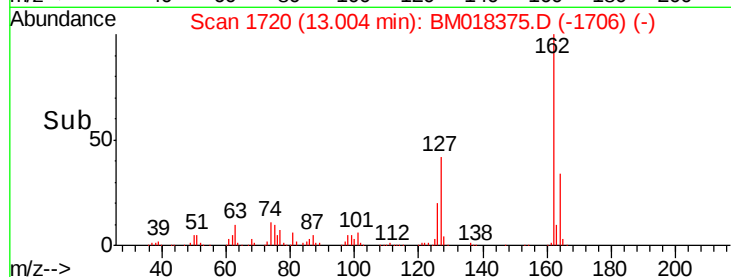
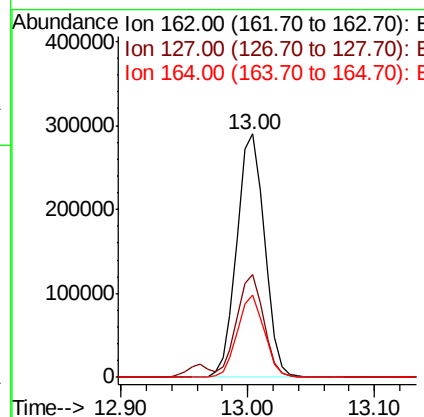
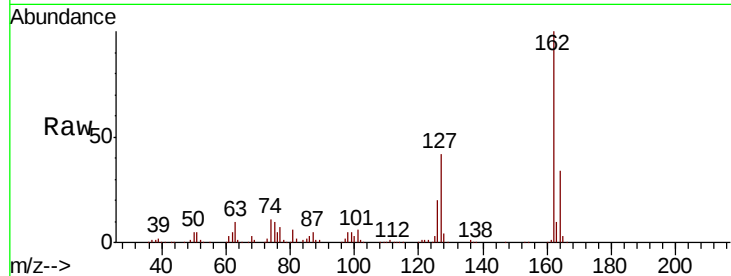
#47
2-Chloronaphthalene
Concen: 27.934 ng
RT: 13.00 min Scan# 1720
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	438295		
127	42.1		31.8	47.8
164	33.7		25.9	38.9

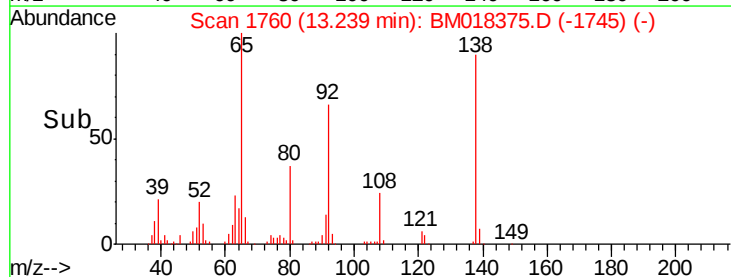
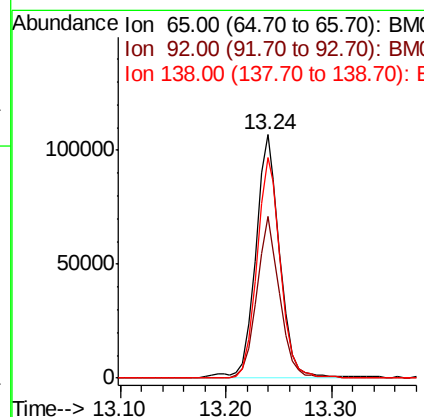
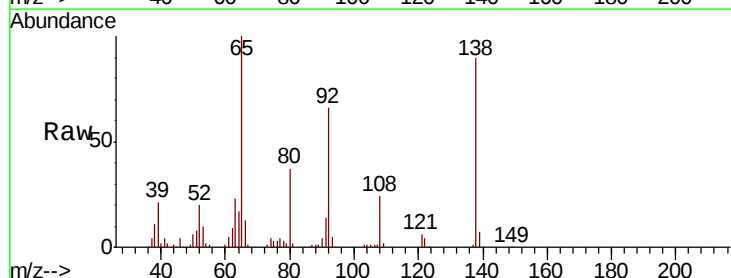
Manual Integrations
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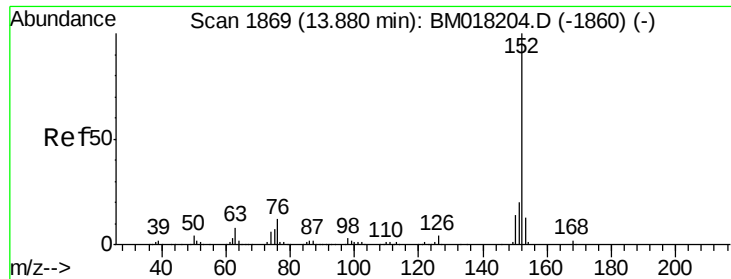
Sohil
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#48
2-Nitroaniline
Concen: 35.146 ng
RT: 13.24 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	169873		
92	66.3		56.8	85.2
138	90.3		85.1	127.7





#49

Acenaphthylene

Concen: 28.956 ng

RT: 13.86 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

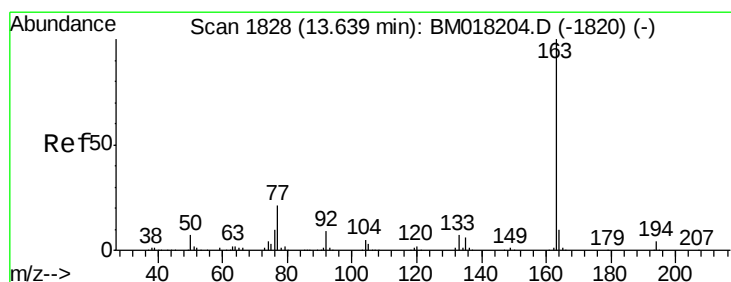
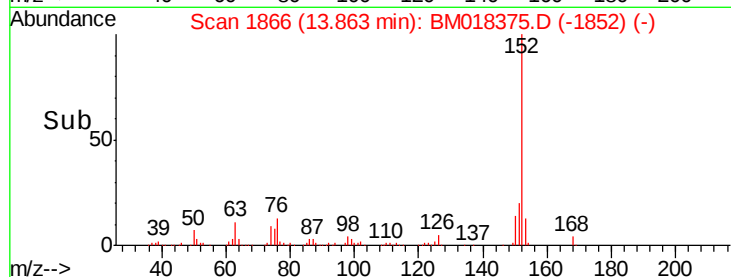
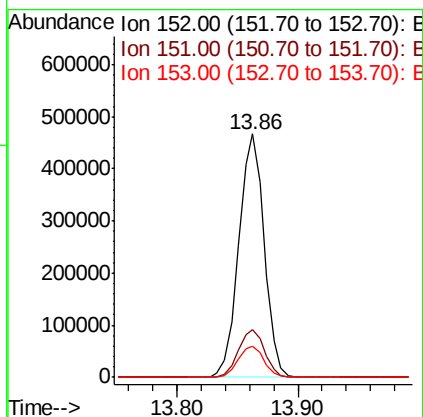
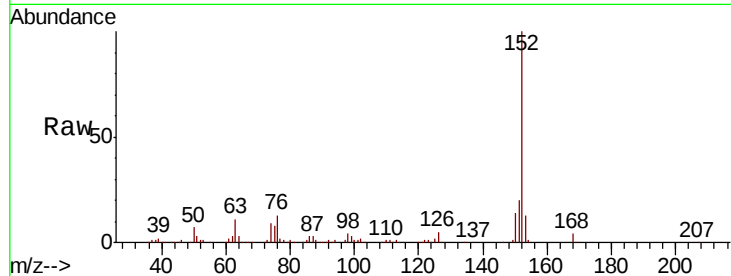
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	152	Resp:	684656
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.0	24.0
153	13.0	10.2	15.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 33.323 ng

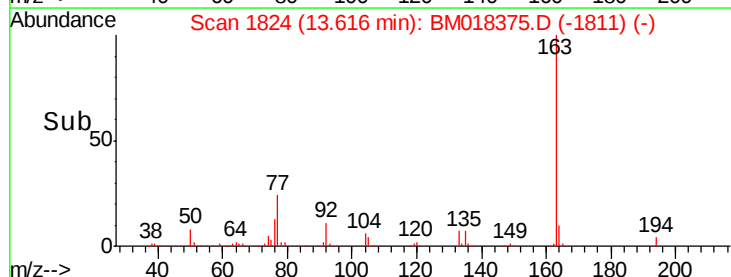
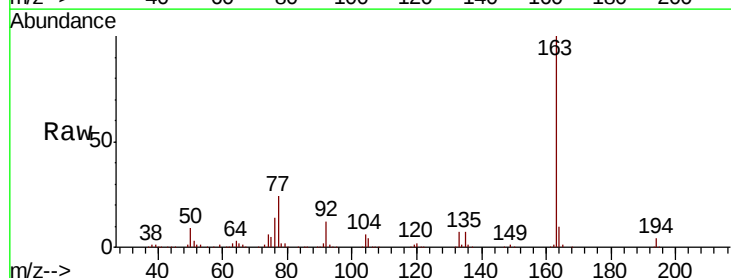
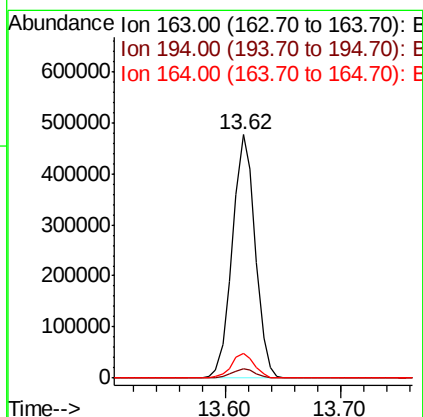
RT: 13.62 min Scan# 1824

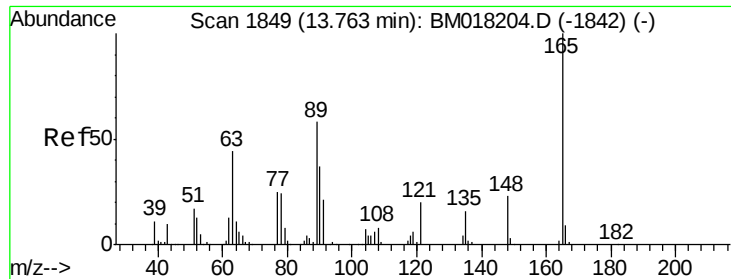
Delta R.T. -0.02 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	163	Resp:	656447
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	10.3	7.9	11.9





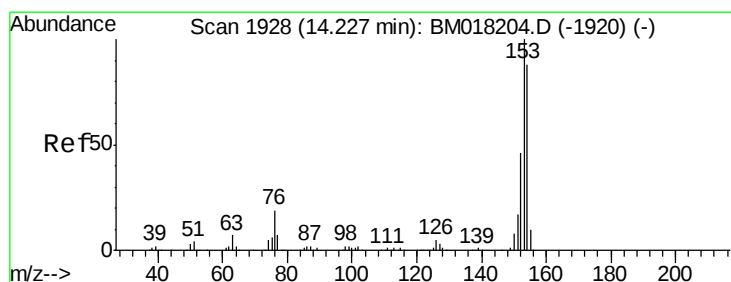
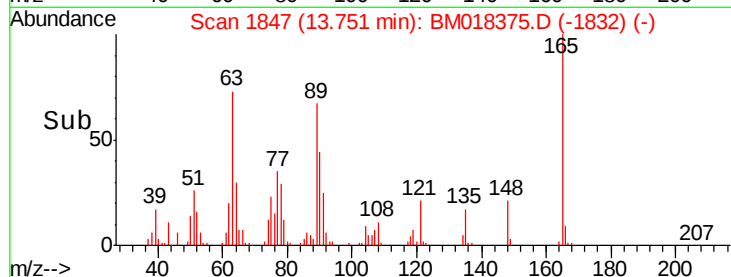
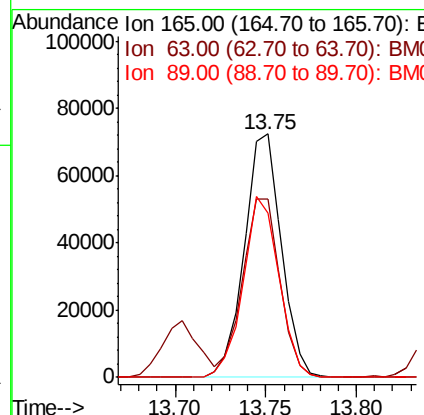
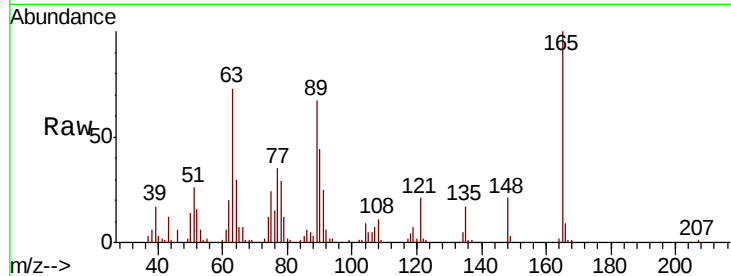
#51
2,6-Dinitrotoluene
Concen: 23.690 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	102594		
63	73.4	46.6	69.8#	
89	67.4	46.3	69.5	

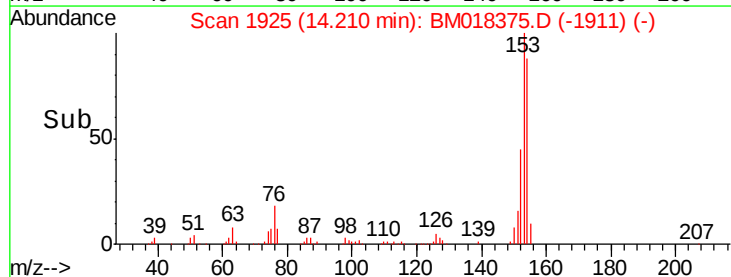
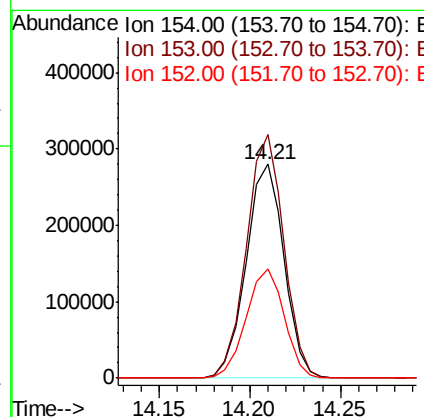
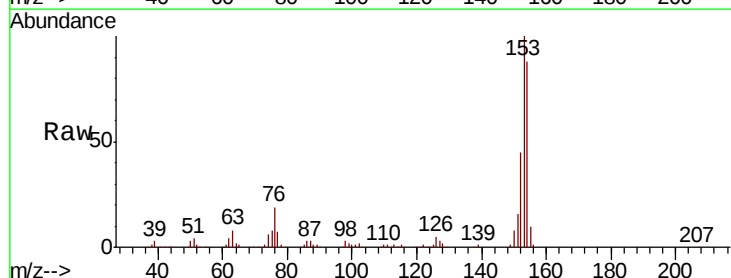
Manual Integrations
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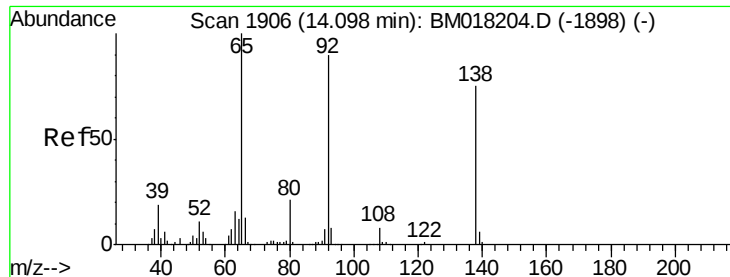
Sohil
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#52
Acenaphthene
Concen: 28.107 ng
RT: 14.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	406142		
153	113.9	90.4	135.6	
152	51.2	41.2	61.8	





#53

3-Nitroaniline

Concen: 26.920 ng

RT: 14.09 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

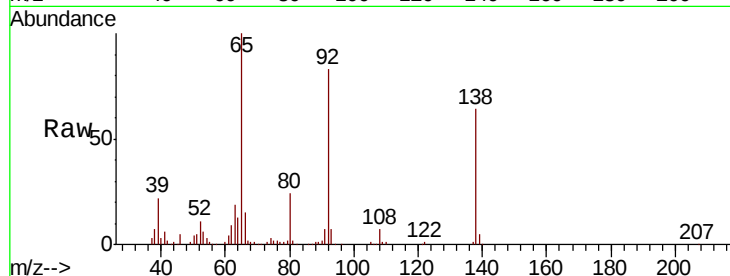
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	138	Resp:	122684
Ion Ratio	Lower	Upper	
138	100		
108	11.2	8.4	12.6
92	131.1	94.9	142.3

Manual Integrations
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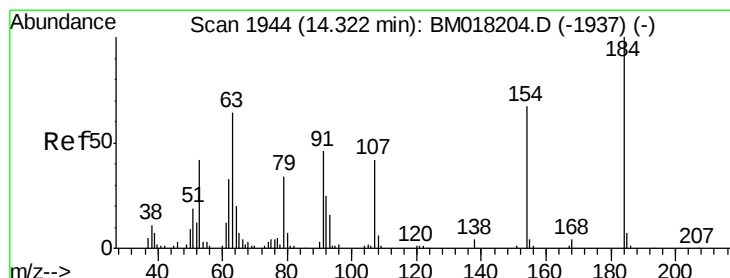
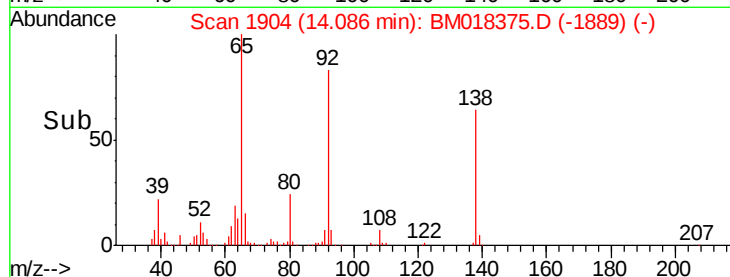
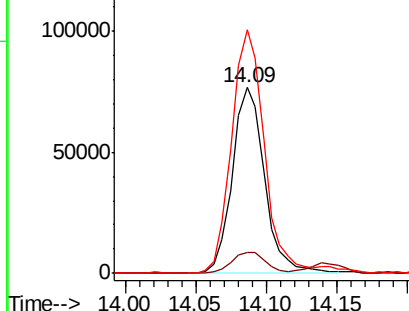
Sohil
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 0.509 ng

RT: 14.33 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BM018375.D

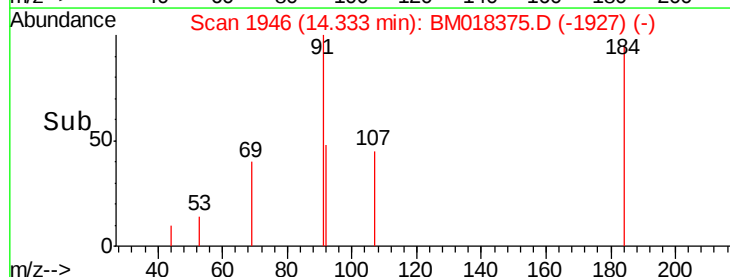
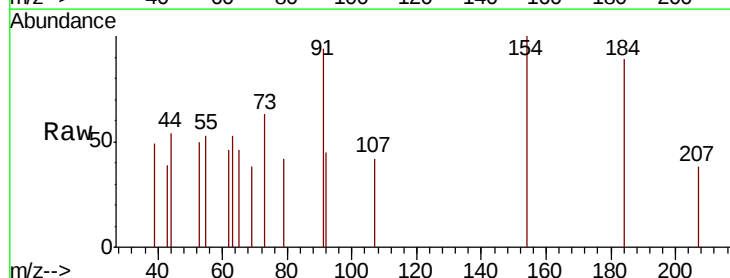
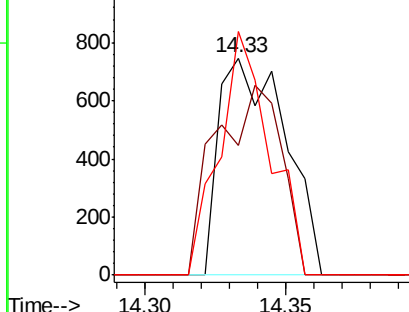
Acq: 22 Dec 2018 02:07

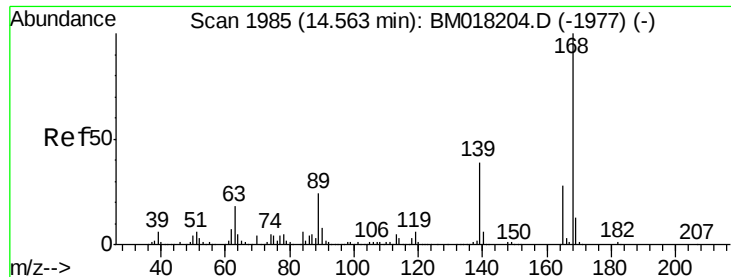
Tgt Ion:	184	Resp:	1217
Ion Ratio	Lower	Upper	
184	100		
63	59.5	51.6	77.4
154	112.0	54.0	81.0#

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





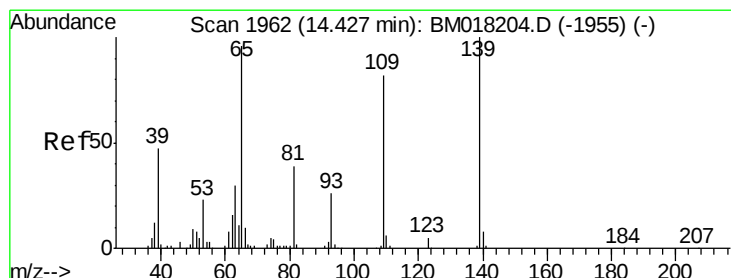
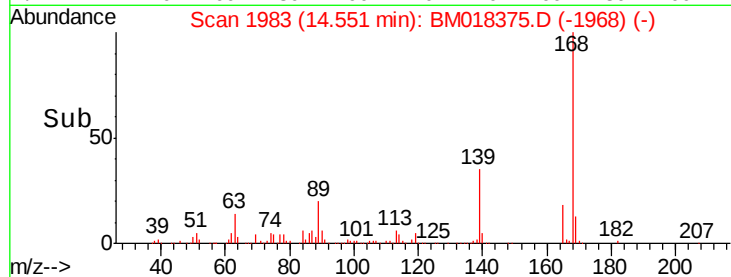
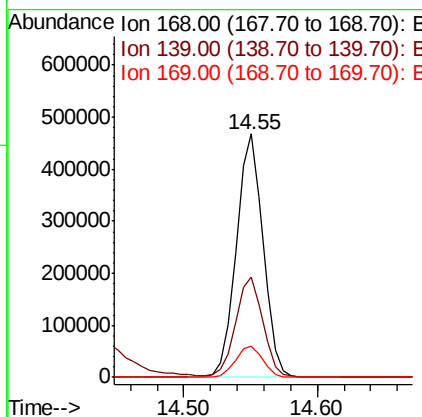
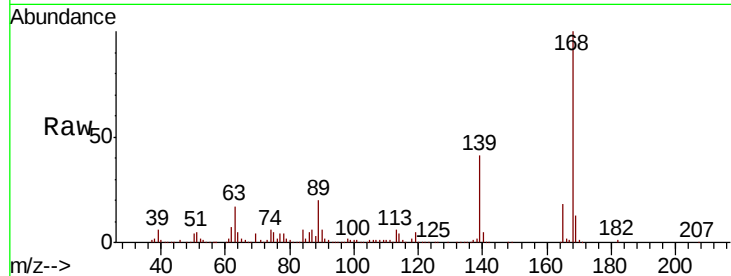
#55
Dibenzofuran
Concen: 27.855 ng
RT: 14.55 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	31.2	46.8
169	13.0	10.4	15.6

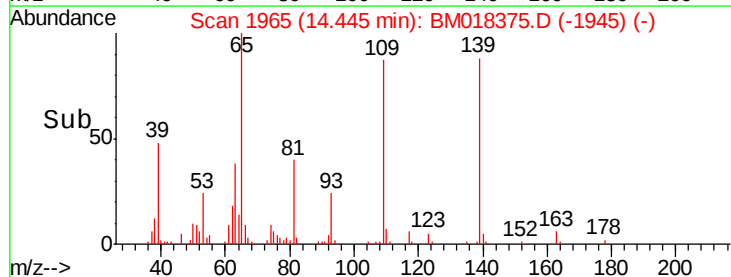
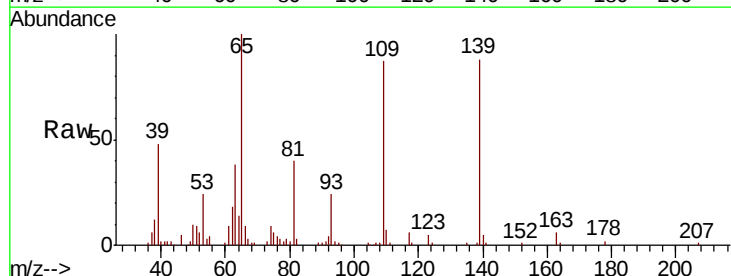
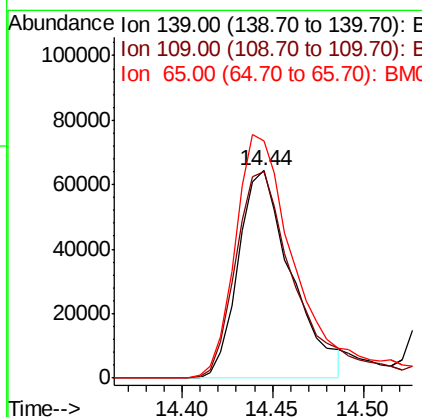
Manual Integrations
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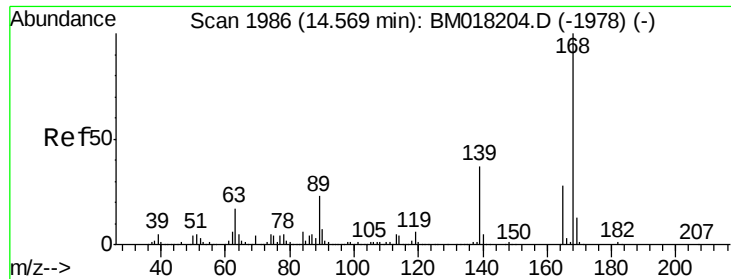
Sohil
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#56
4-Nitrophenol
Concen: 38.008 ng
RT: 14.44 min Scan# 1965
Delta R.T. 0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	99.3	62.3	102.3
65	114.3	76.4	116.4





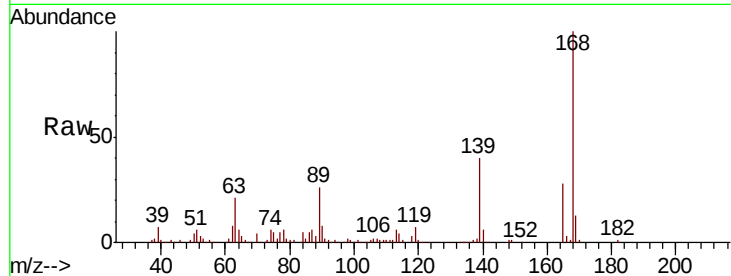
#57
 2,4-Dinitrotoluene
 Concen: 22.980 ng
 RT: 14.56 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	137561		
63	75.8	47.2	70.8	
89	93.9	65.8	98.8	
182	2.9	2.2	3.4	

Manual Integrations
 APPROVED

Sohil
 12/26/2018 3:20:24 PM



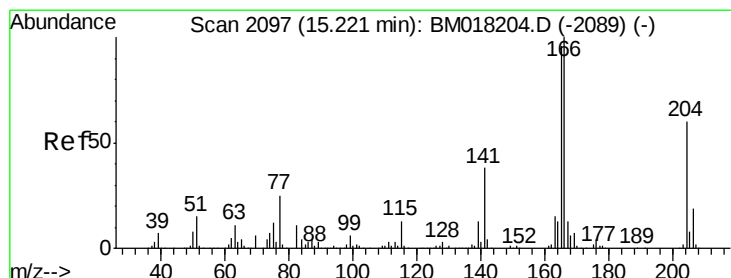
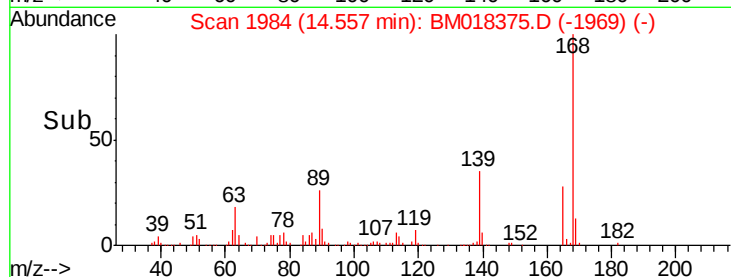
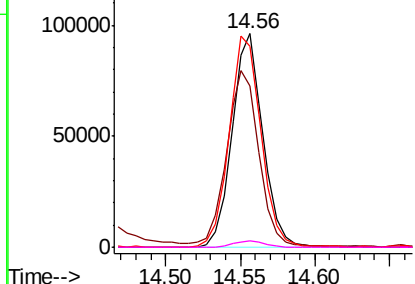
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

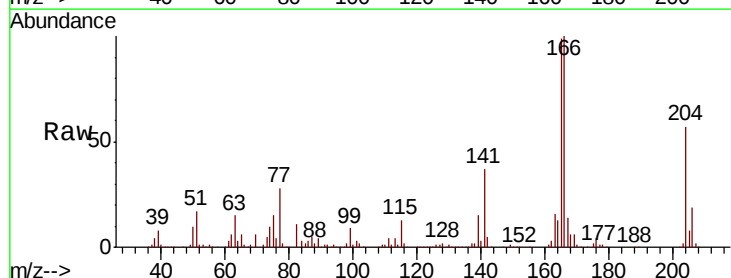
Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 29.232 ng
 RT: 15.20 min Scan# 2094
 Delta R.T. -0.02 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	524214		
165	98.5	76.9	115.3	
167	14.0	10.5	15.7	

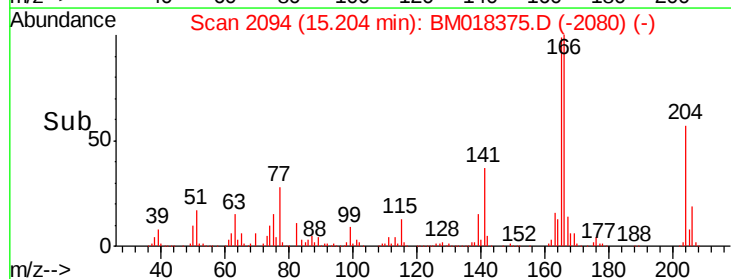
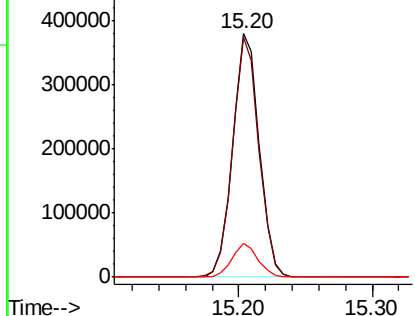


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





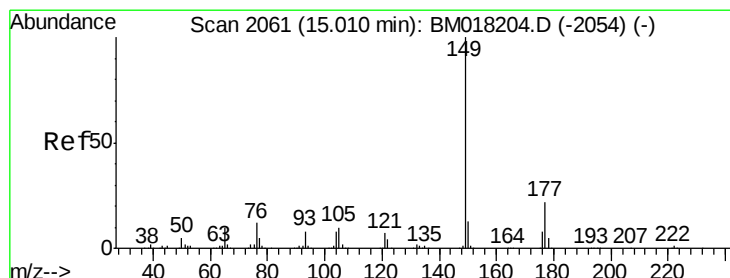
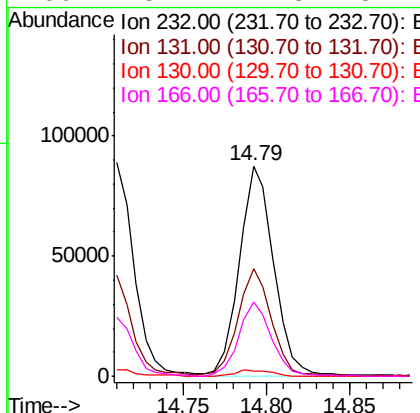
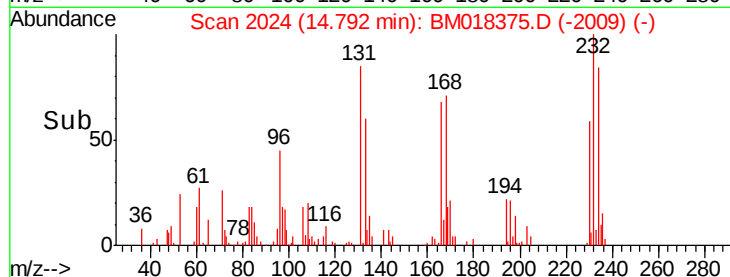
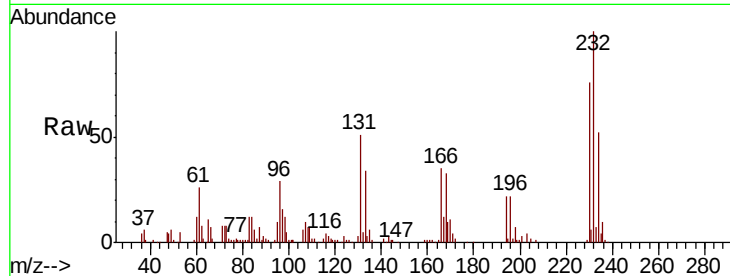
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 25.430 ng m
 RT: 14.79 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion:	232	Resp:	127422
Ion Ratio	Lower	Upper	
232	100		
131	35.6	36.2	54.2#
130	1.9	1.8	2.6
166	23.1	24.8	37.2#

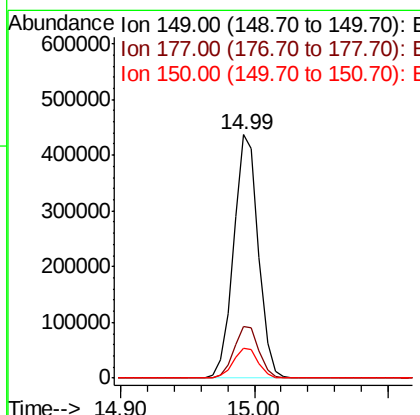
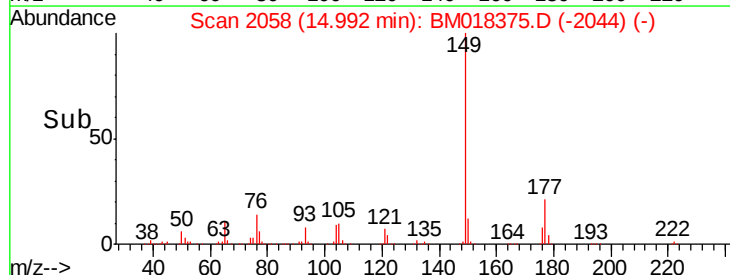
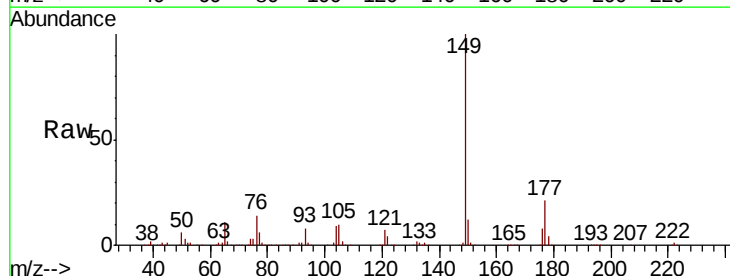
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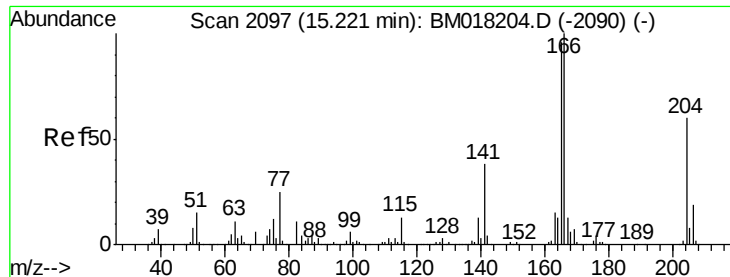
Sohil
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#60
 Diethylphthalate
 Concen: 26.380 ng
 RT: 14.99 min Scan# 2058
 Delta R.T. -0.02 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion:	149	Resp:	560835
Ion Ratio	Lower	Upper	
149	100		
177	20.9	17.8	26.8
150	12.4	10.3	15.5





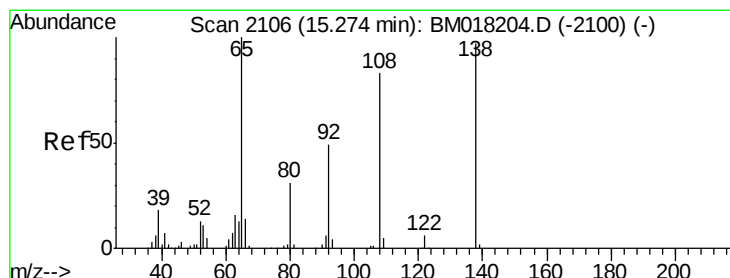
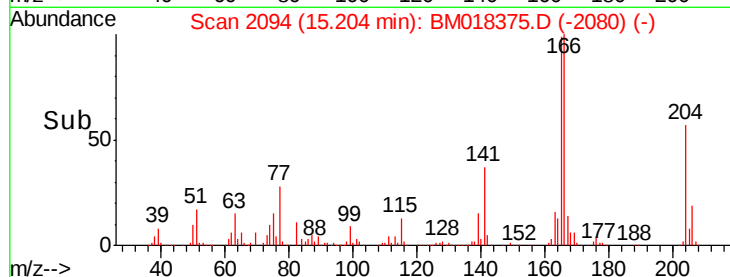
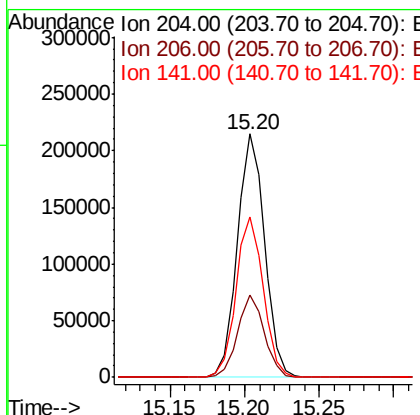
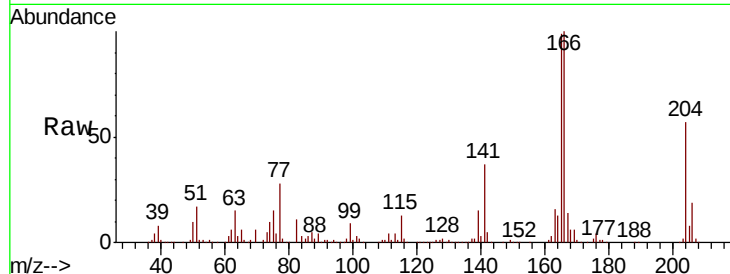
#61
4-Chlorophenyl-phenylether
Concen: 26.950 ng
RT: 15.20 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	25.8	38.6
141	65.7	50.2	75.4

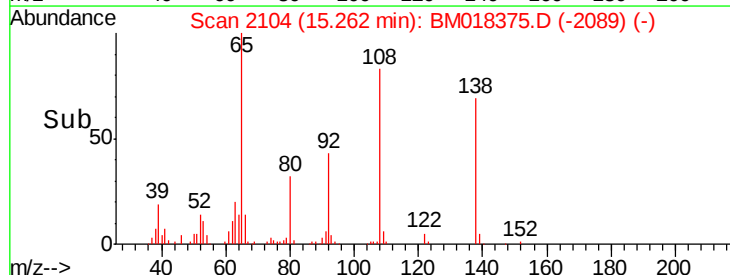
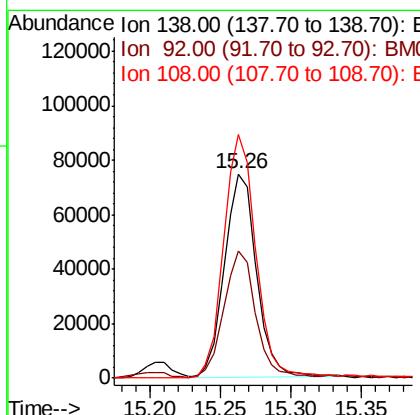
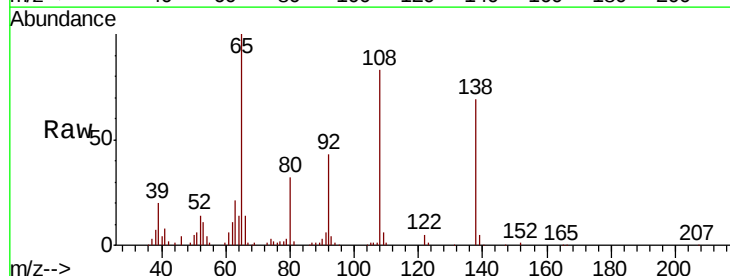
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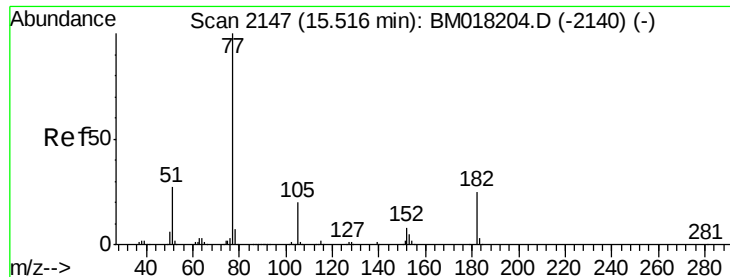
Sohil
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#62
4-Nitroaniline
Concen: 27.358 ng
RT: 15.26 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	62.4	31.1	71.1
108	119.2	65.0	105.0





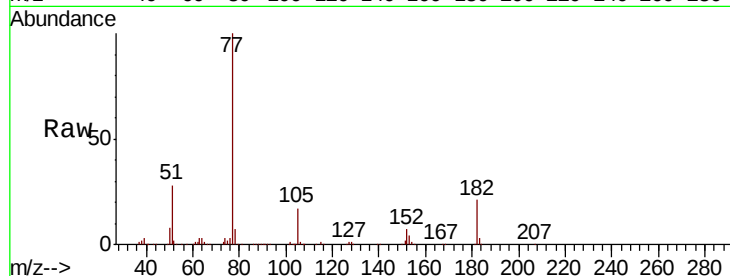
#63
Azobenzene
Concen: 30.669 ng
RT: 15.50 min Scan# 2144
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

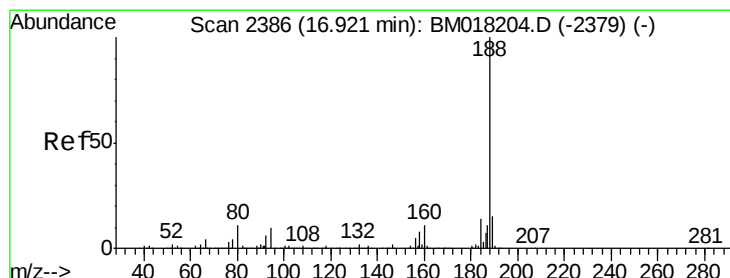
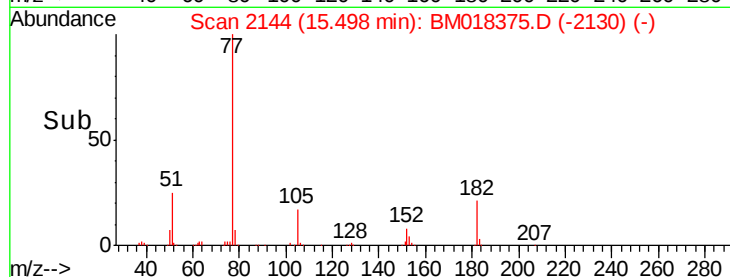
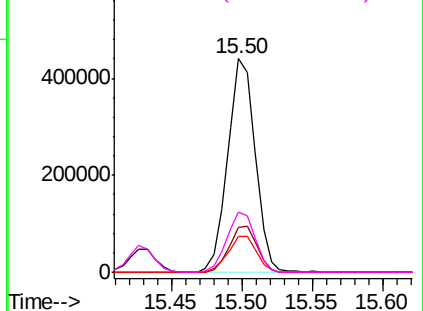
Tot Ion:	77	Resp:	594507
Ion Ratio	Lower	Upper	
77	100		
182	20.7	4.6	44.6
105	16.8	0.2	40.2
51	28.4	7.0	47.0

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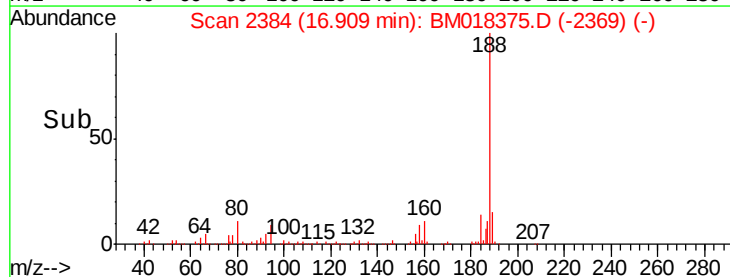
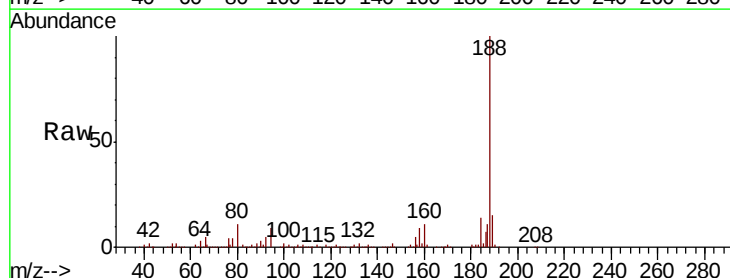
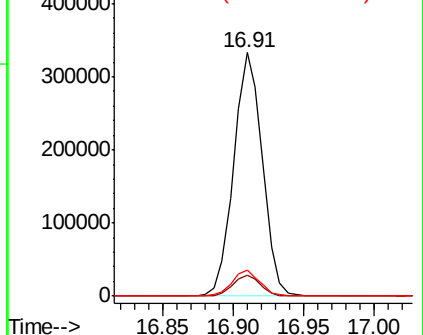
Abundance Ion 77.00 (76.70 to 77.70): BM018375.D (-2130) (-)
Ion 182.00 (181.70 to 182.70): BM018375.D (-2130) (-)
Ion 105.00 (104.70 to 105.70): BM018375.D (-2130) (-)
Ion 51.00 (50.70 to 51.70): BM018375.D (-2130) (-)

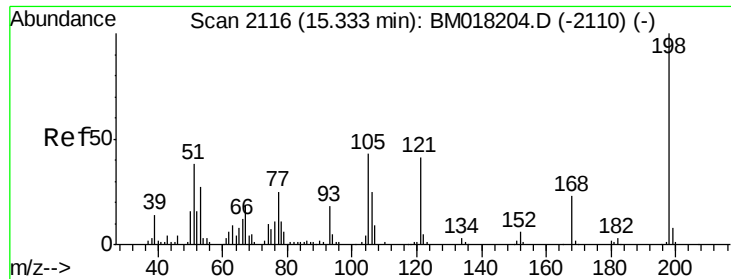


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion:	188	Resp:	469473
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.0	12.0
80	10.5	9.0	13.6

Abundance Ion 188.00 (187.70 to 188.70): BM018375.D (-2369) (-)
Ion 94.00 (93.70 to 94.70): BM018375.D (-2369) (-)
Ion 80.00 (79.70 to 80.70): BM018375.D (-2369) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 0.579 ng

RT: 15.34 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

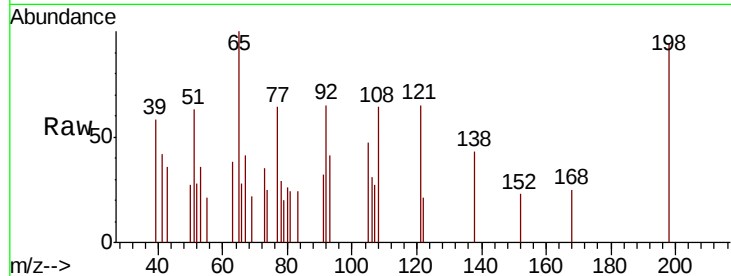
ClientSampleId :

SOIL-CUTTINGSMSD

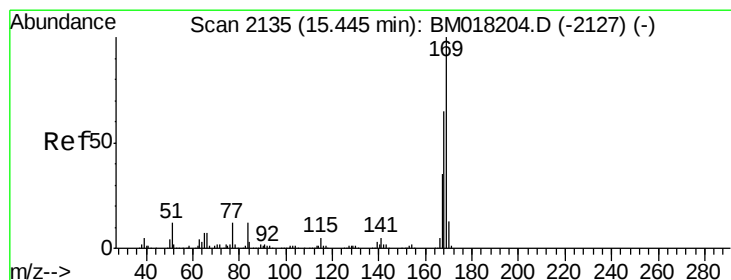
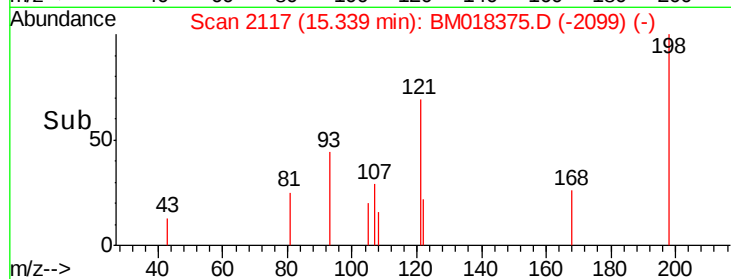
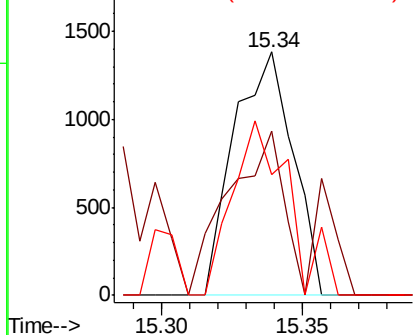
Tot Ion:	198	Resp:	2000
Ion Ratio	Lower	Upper	
198	100		
51	67.3	18.6	58.6#
105	49.6	22.9	62.9

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



#66

n-Nitrosodiphenylamine

Concen: 29.354 ng

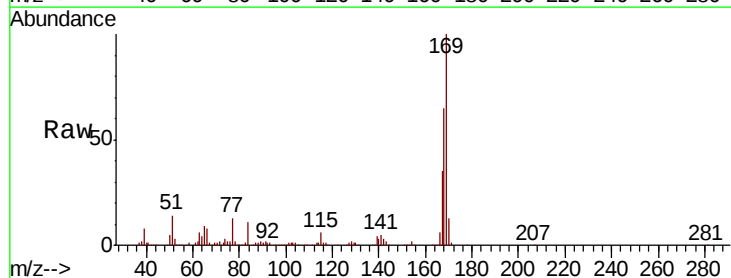
RT: 15.43 min Scan# 2133

Delta R.T. -0.01 min

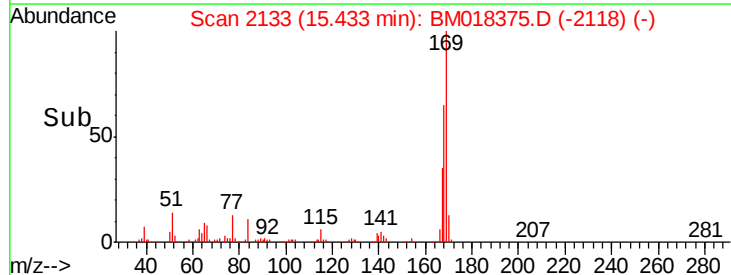
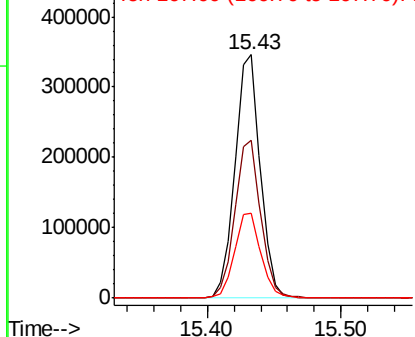
Lab File: BM018375.D

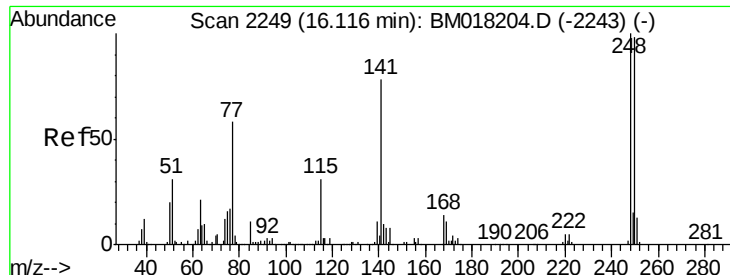
Acq: 22 Dec 2018 02:07

Tgt Ion:	169	Resp:	455712
Ion Ratio	Lower	Upper	
169	100		
168	64.9	52.2	78.4
167	34.7	27.6	41.4



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





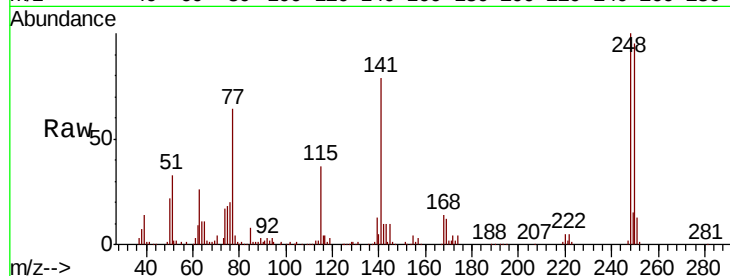
#67
4-Bromophenyl-phenylether
Concen: 28.544 ng
RT: 16.10 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.7	118.1
141	78.8	62.2	93.4

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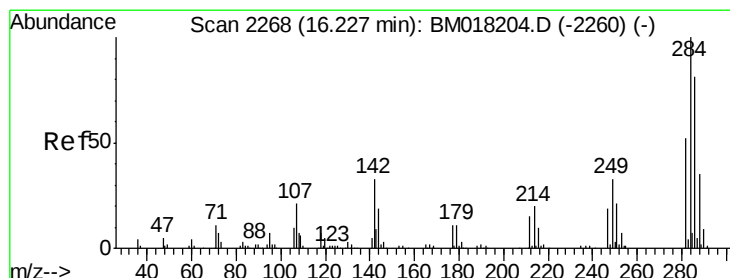
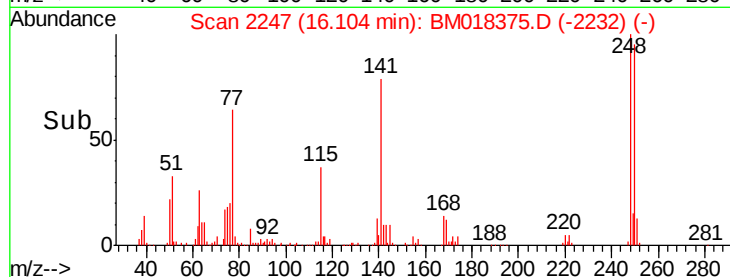
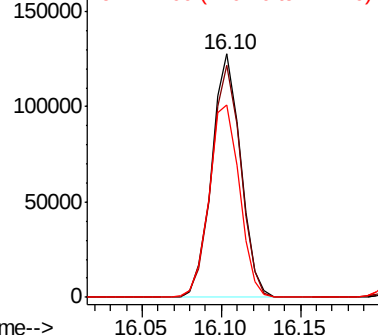


Abundance

Ion 248.00 (247.70 to 248.70): E

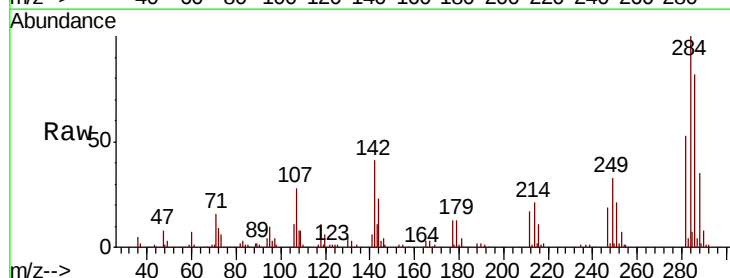
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 28.035 ng
RT: 16.21 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.8	26.2	39.4#
249	32.7	26.2	39.2

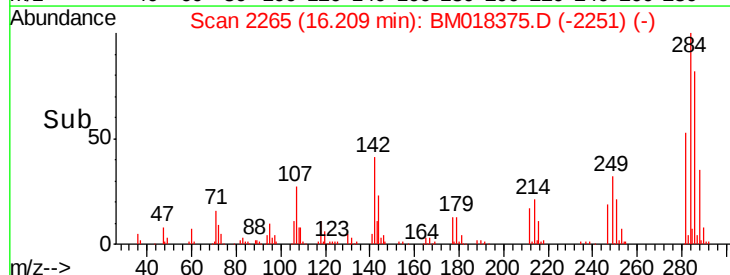
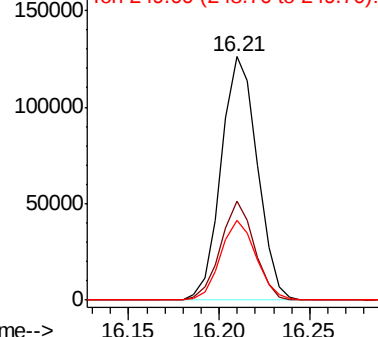


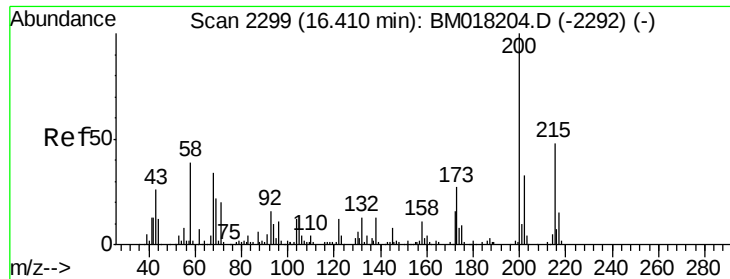
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





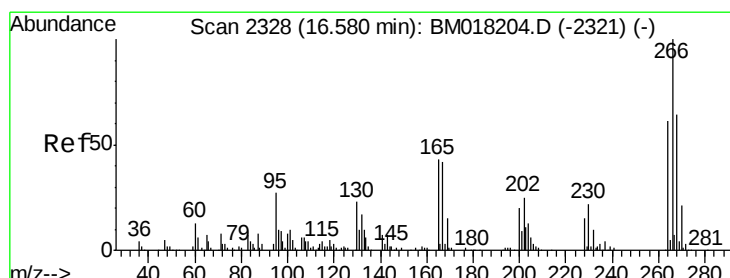
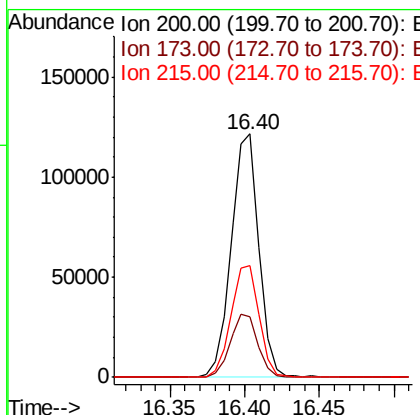
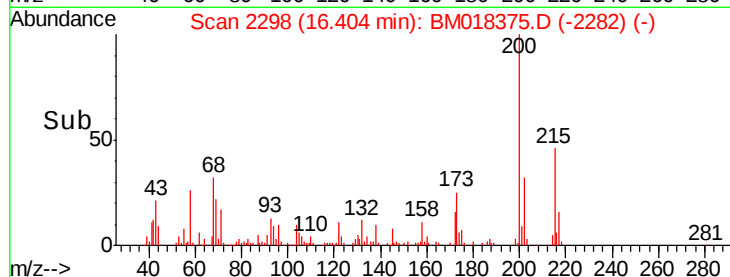
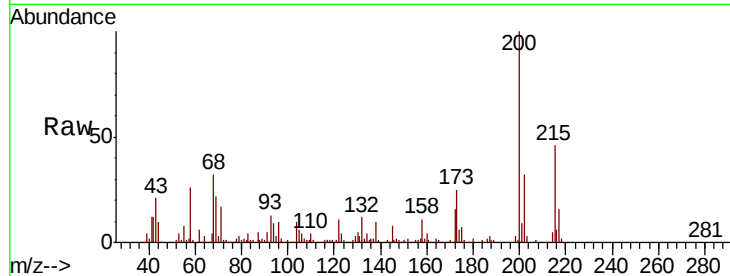
#69
Atrazine
Concen: 30.113 ng
RT: 16.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	157822		
173	25.0	6.9	46.9	
215	45.9	27.9	67.9	

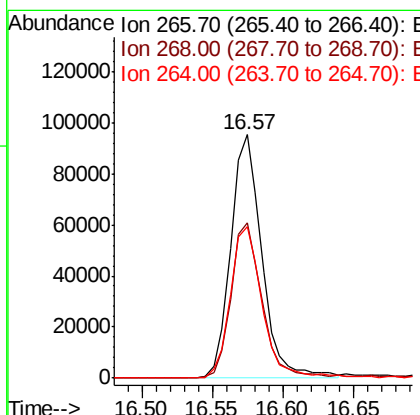
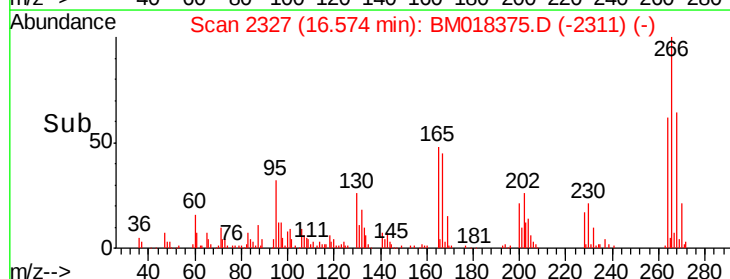
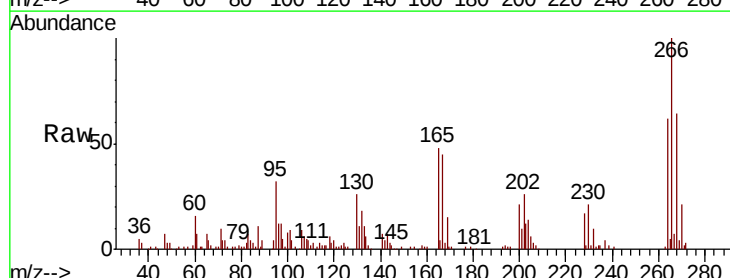
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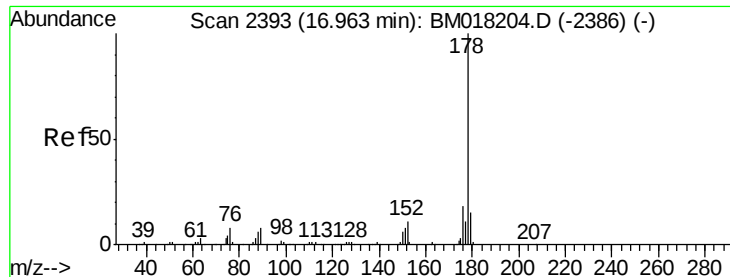
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#70
Pentachlorophenol
Concen: 35.665 ng
RT: 16.57 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	146719		
268	63.8	51.1	76.7	
264	62.2	49.0	73.4	





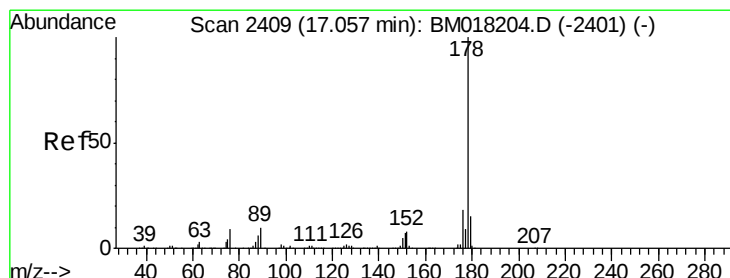
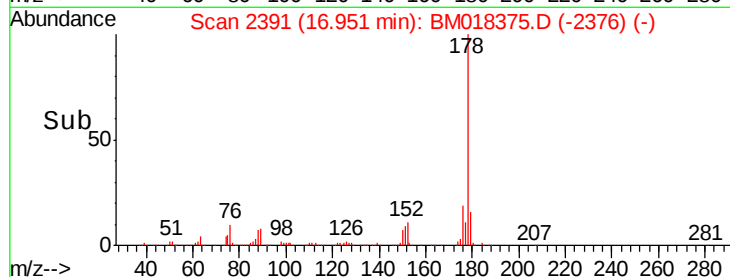
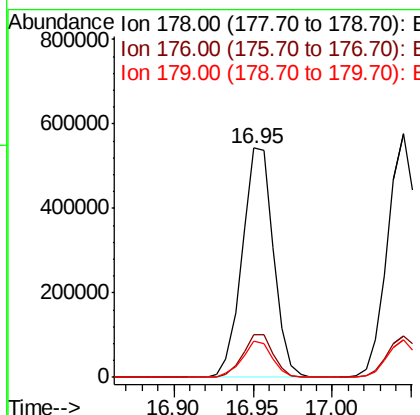
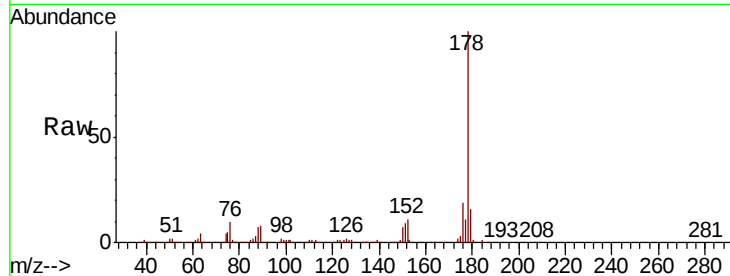
#71
Phenanthrene
Concen: 29.139 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.0	18.0

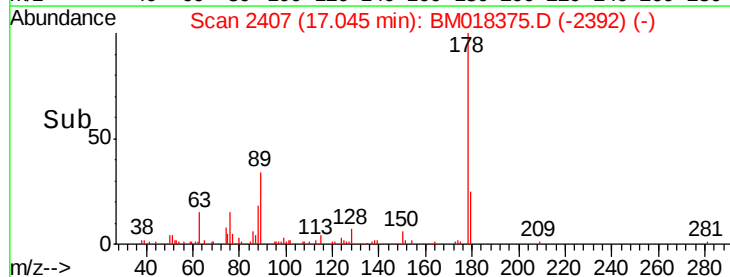
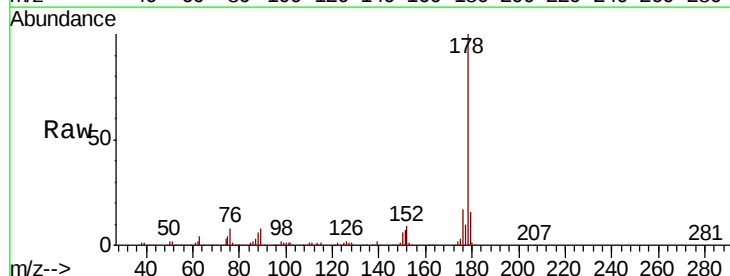
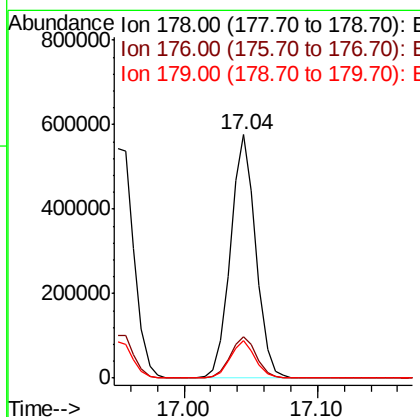
Manual Integrations
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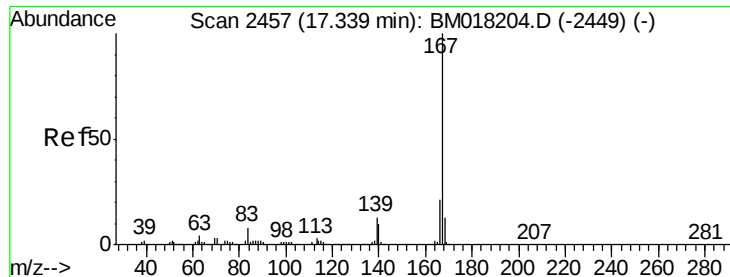
Sohil
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#72
Anthracene
Concen: 29.917 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.3	21.5
179	15.6	12.0	18.0





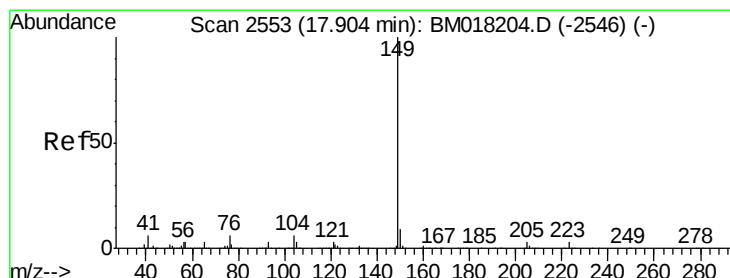
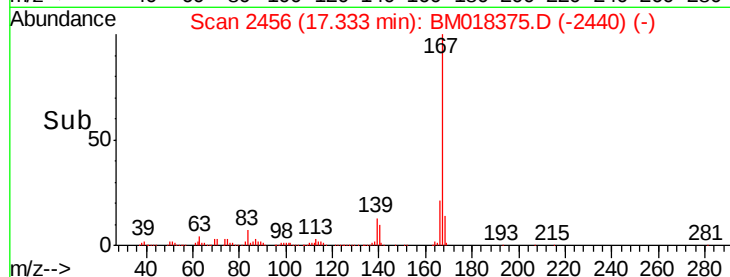
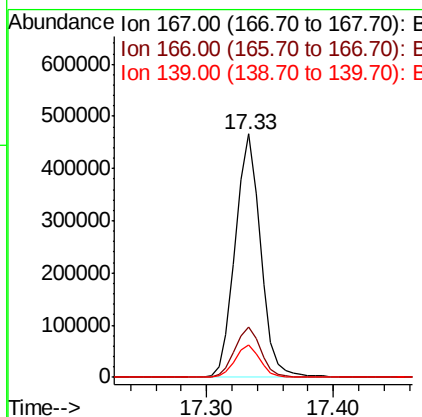
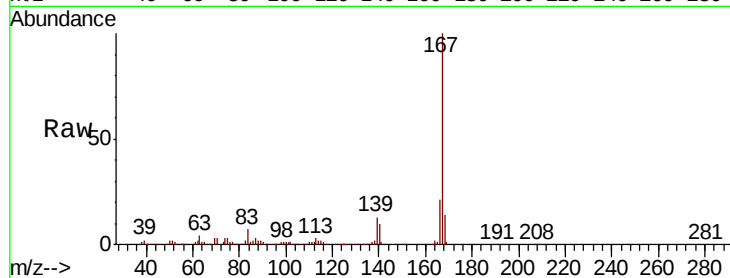
#73
 Carbazole
 Concen: 24.789 ng
 RT: 17.33 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.5	16.8	25.2
139	13.2	10.3	15.5

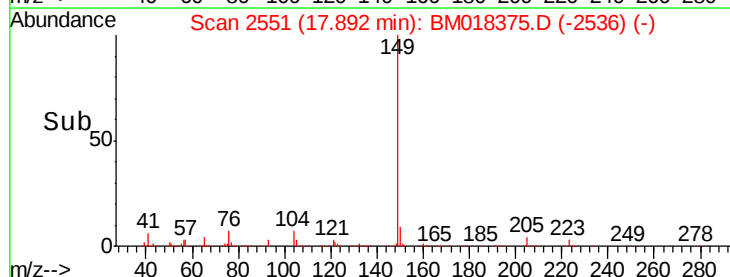
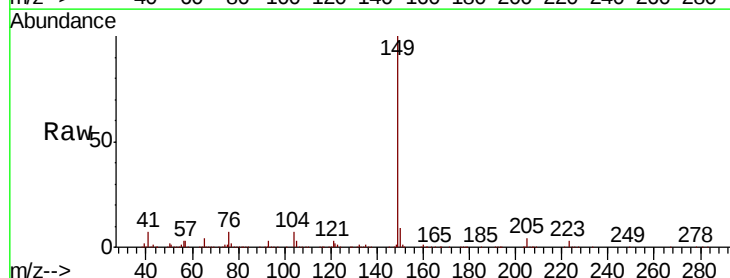
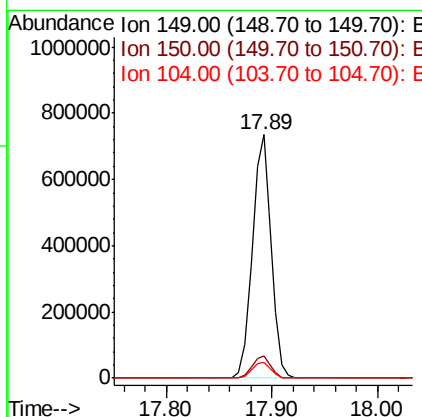
Manual Integrations
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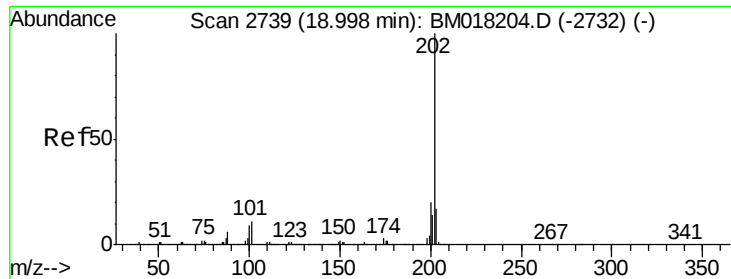
Sohil
 12/26/2018 3:20:24 PM



#74
 Di-n-butylphthalate
 Concen: 28.550 ng
 RT: 17.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	6.6	4.8	7.2





#75

Fluoranthene

Concen: 25.143 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

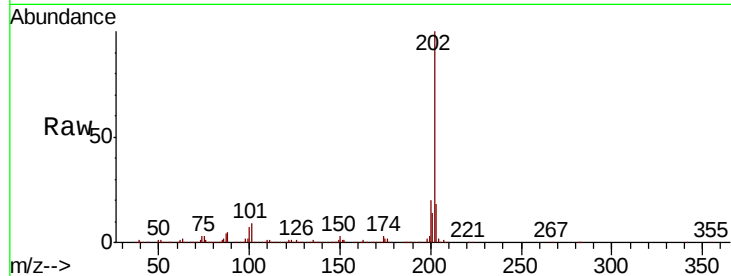
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	202	Resp:	745459
Ion Ratio		Lower	Upper
202	100		
101	9.5	0.0	30.5
203	17.7	0.0	37.5

Manual Integrations
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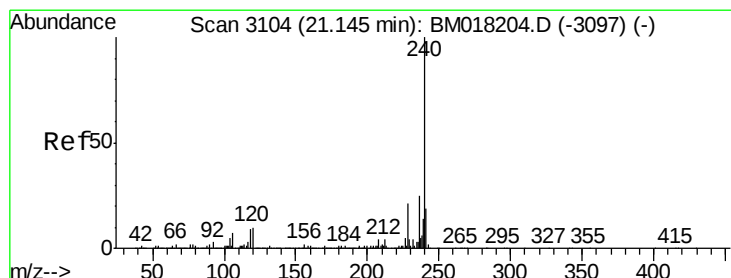
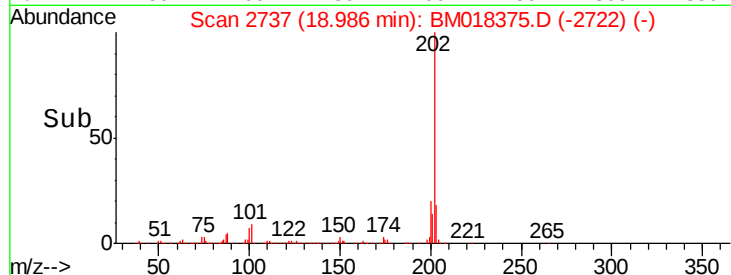
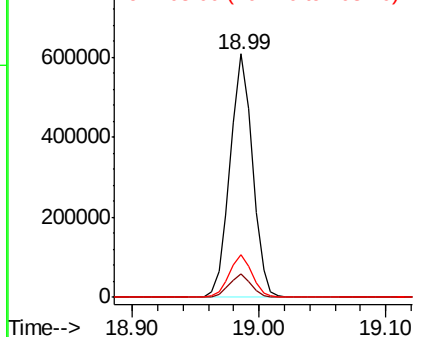


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

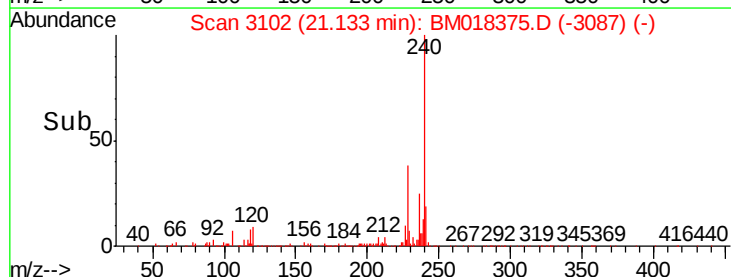
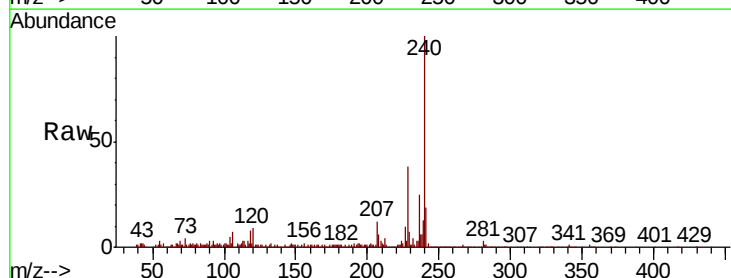
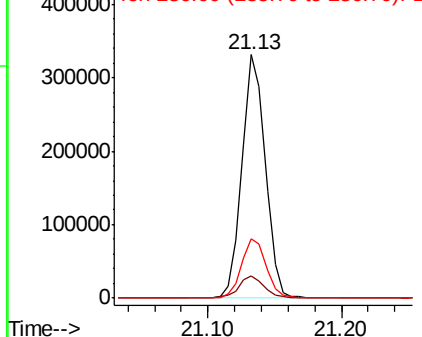
Tgt Ion:	240	Resp:	400586
Ion Ratio		Lower	Upper
240	100		
120	9.4	8.2	12.2
236	24.5	20.3	30.5

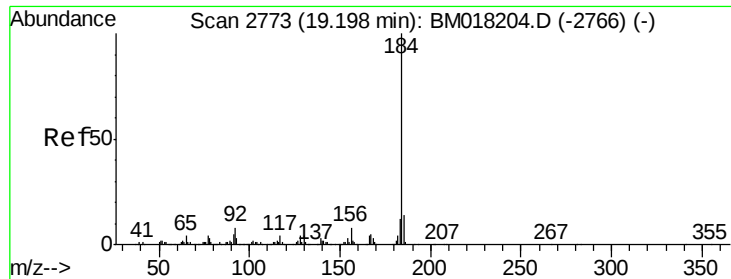
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 51.523 ng

RT: 19.20 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

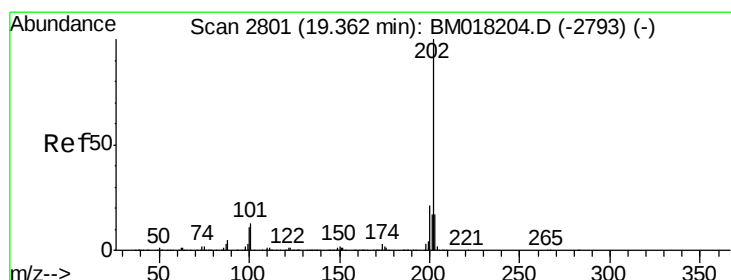
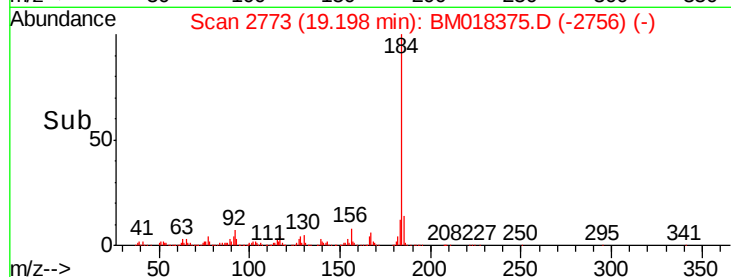
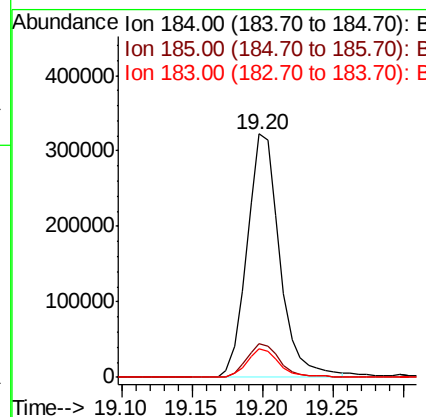
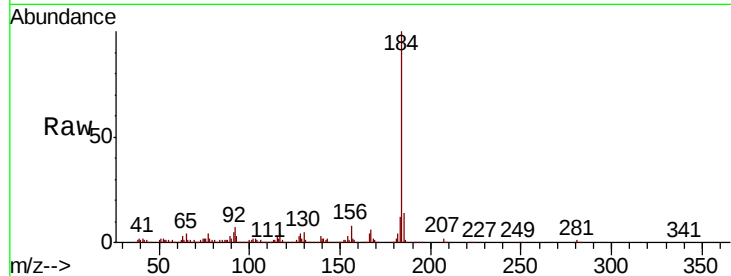
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	184	Resp:	523371
Ion Ratio	Lower	Upper	
184	100		
185	13.8	11.4	17.2
183	11.7	9.7	14.5

Manual Integrations
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#78

Pyrene

Concen: 31.218 ng

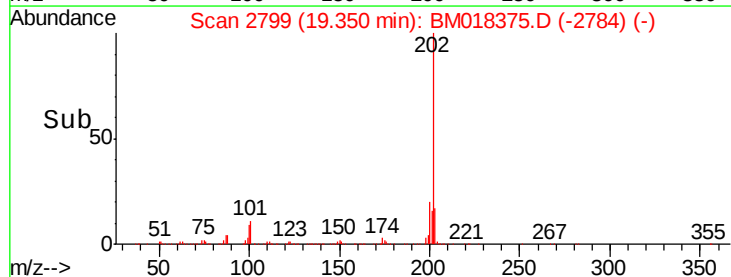
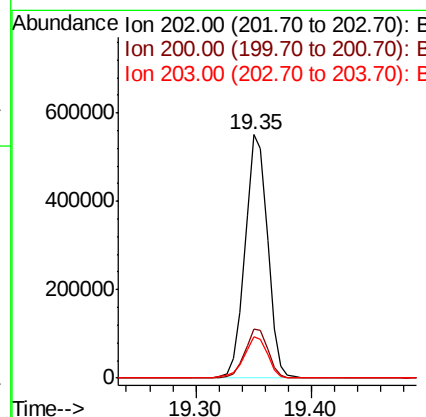
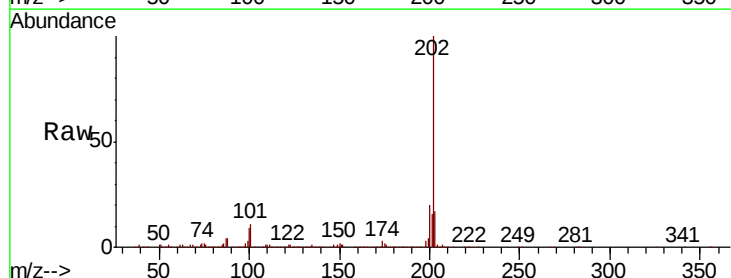
RT: 19.35 min Scan# 2799

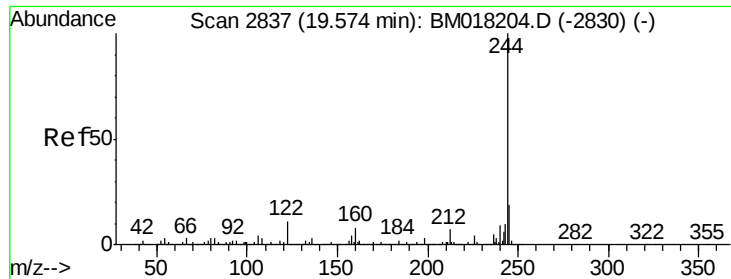
Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	202	Resp:	745147
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.5	24.7
203	17.2	14.0	21.0





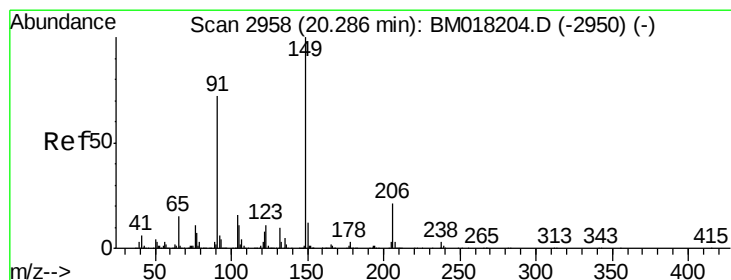
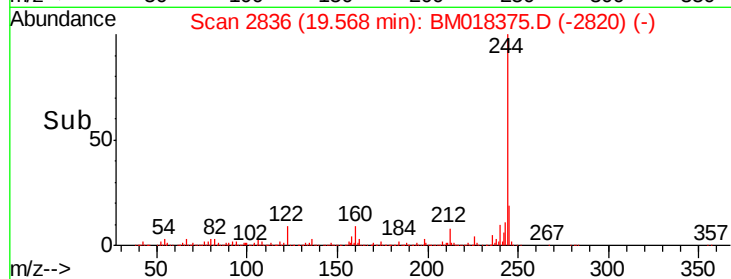
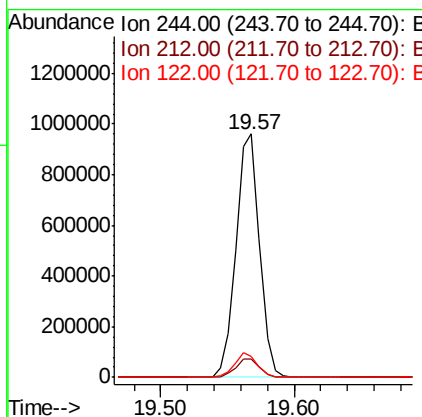
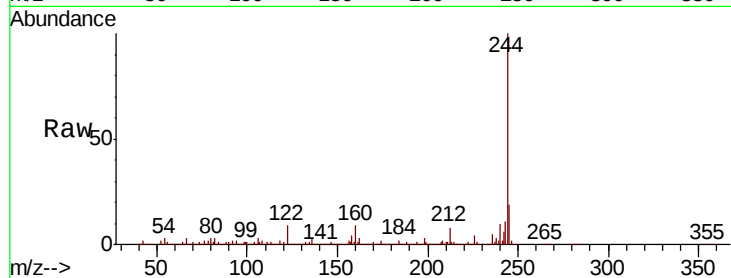
#79
 Terphenyl-d14
 Concen: 66.198 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	8.7	9.0	13.6

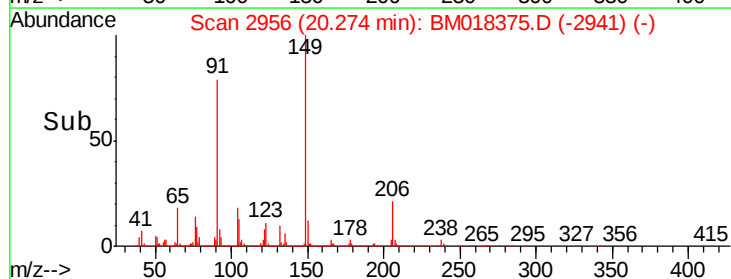
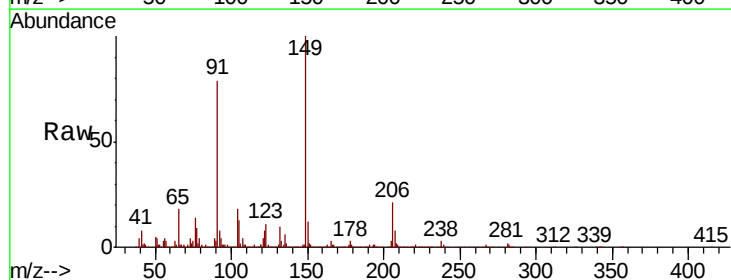
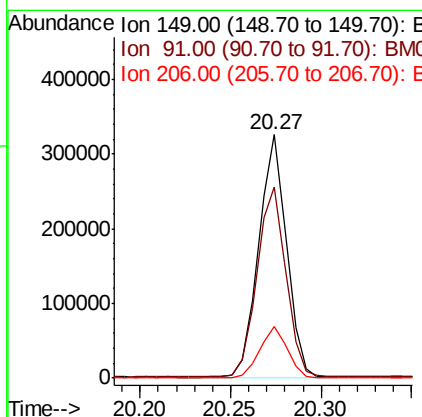
Manual Integrations
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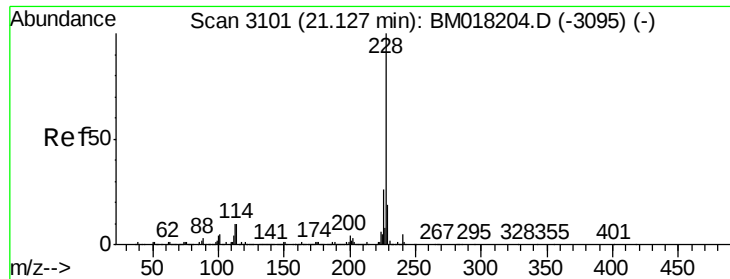
Sohil
 12/26/2018 3:20:24 PM



#80
 Butylbenzylphthalate
 Concen: 30.546 ng
 RT: 20.27 min Scan# 2956
 Delta R.T. -0.01 min
 Lab File: BM018375.D
 Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.6	57.4	86.2
206	21.3	17.0	25.4





#81

Benzo(a)anthracene

Concen: 29.620 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

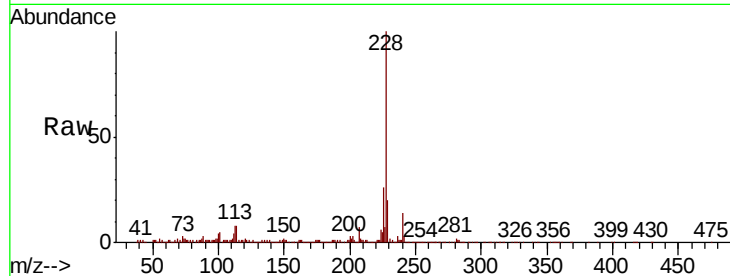
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	228	Resp:	693122
Ion Ratio		Lower	Upper
228	100		
226	26.2	21.0	31.4
229	20.0	15.5	23.3

Manual Integrations
APPROVED

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12/26/2018 3:20:24 PM

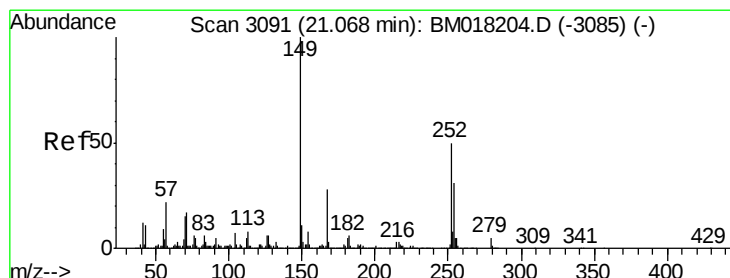
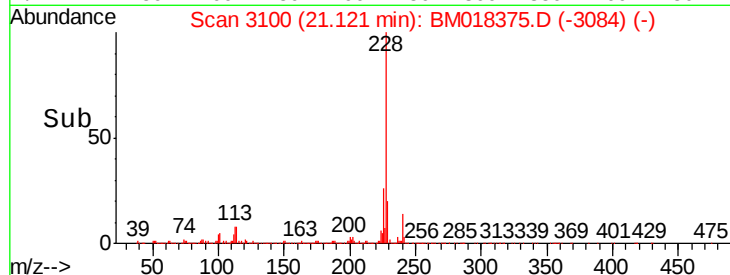
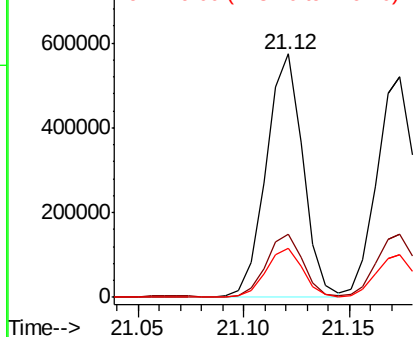


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 28.805 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

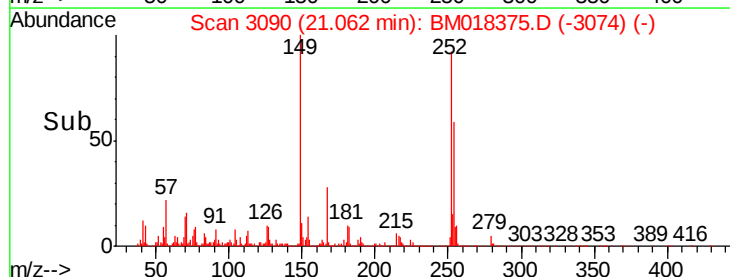
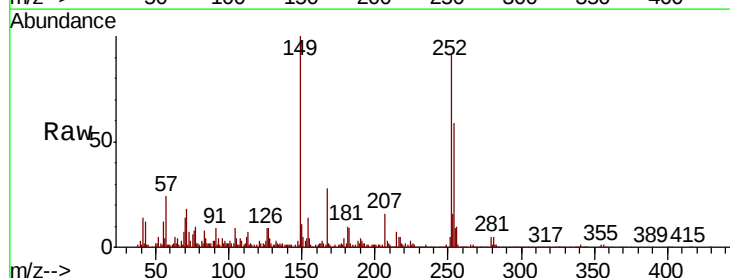
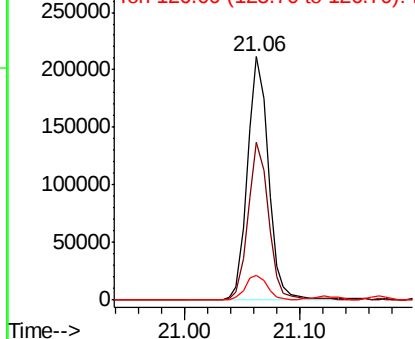
Tgt Ion:	252	Resp:	269285
Ion Ratio		Lower	Upper
252	100		
254	64.8	50.4	75.6
126	10.3	9.4	14.0

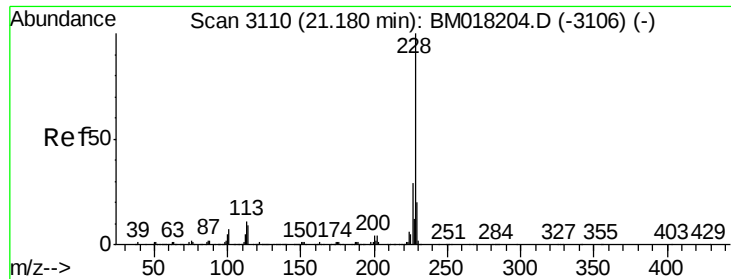
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





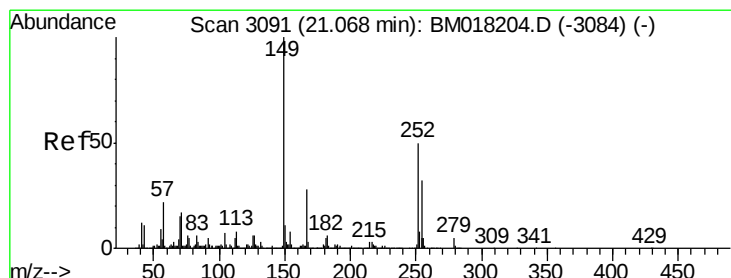
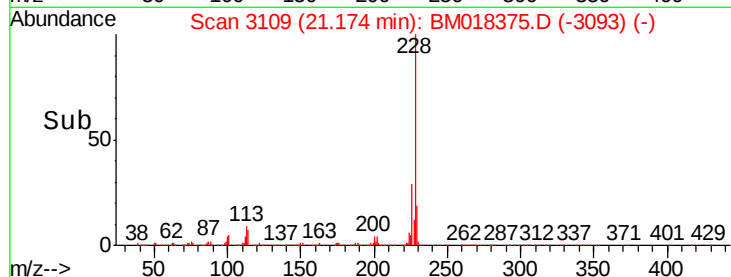
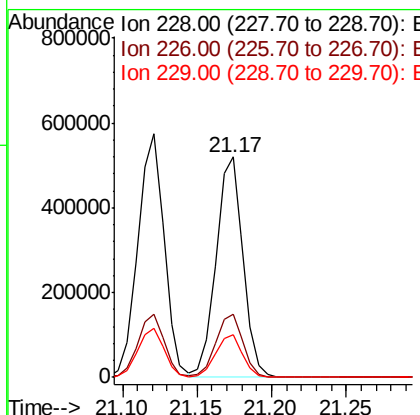
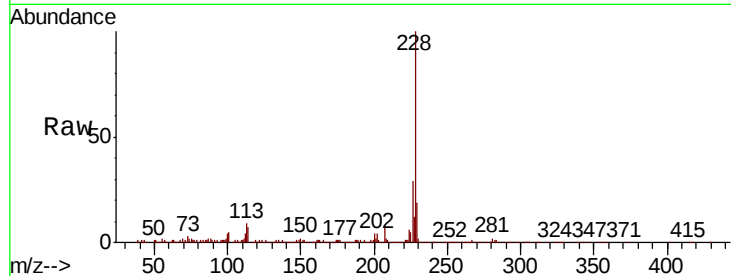
#83
Chrysene
Concen: 29.053 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.1	34.7
229	19.4	15.8	23.6

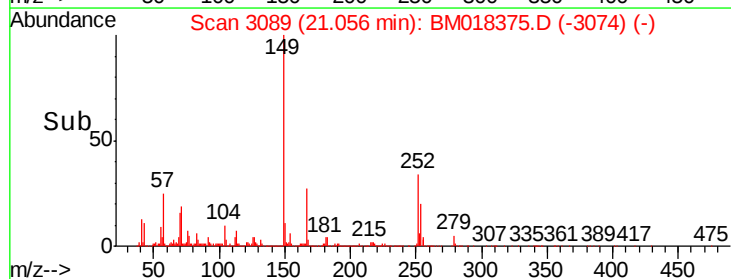
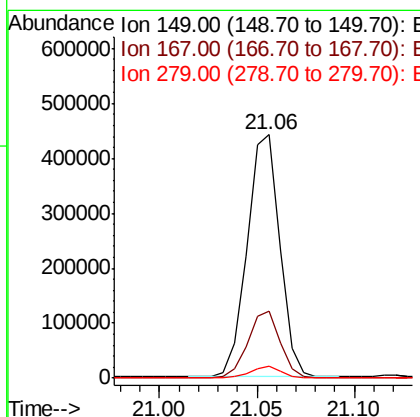
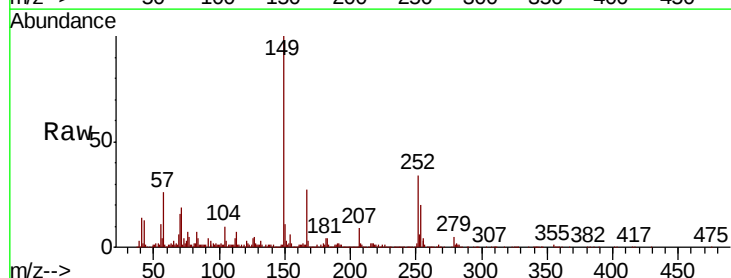
Manual Integrations
APPROVED

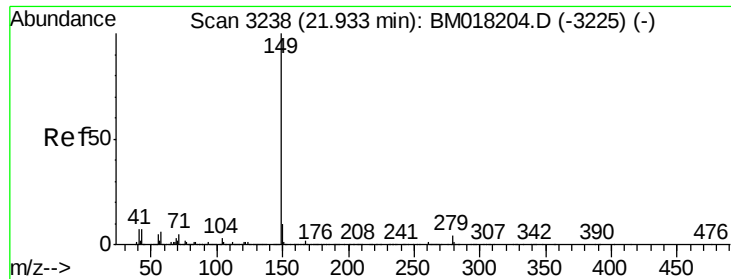
Sohil
12/26/2018 3:20:24 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 30.183 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.7	34.1
279	4.7	3.9	5.9





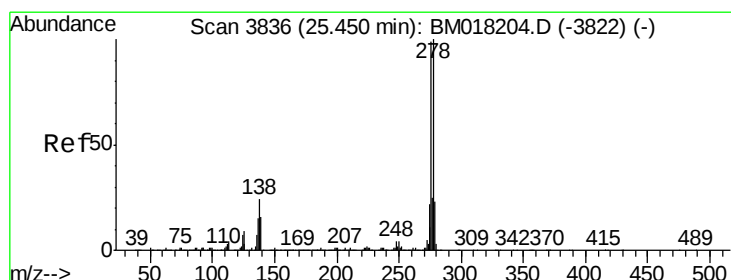
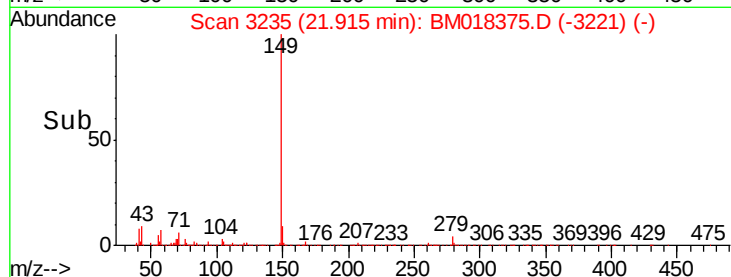
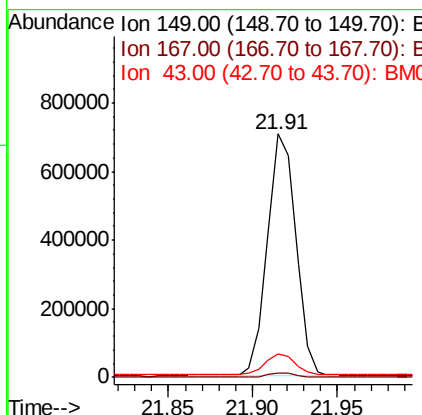
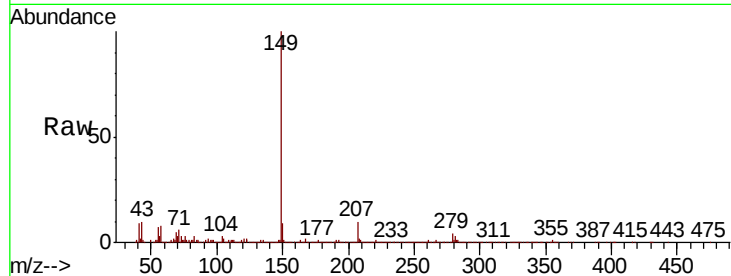
#85
Di-n-octyl phthalate
Concen: 29.995 ng
RT: 21.91 min Scan# 3235
Delta R.T. -0.02 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.7	1.4	2.0
43	9.5	6.2	9.4

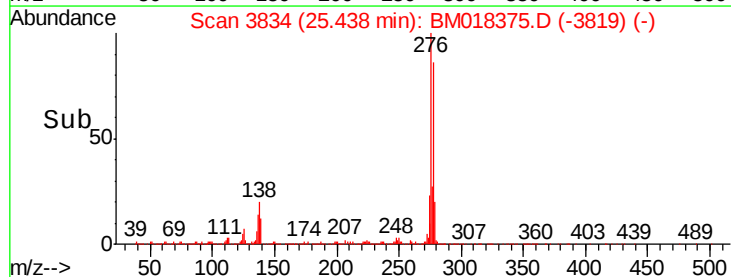
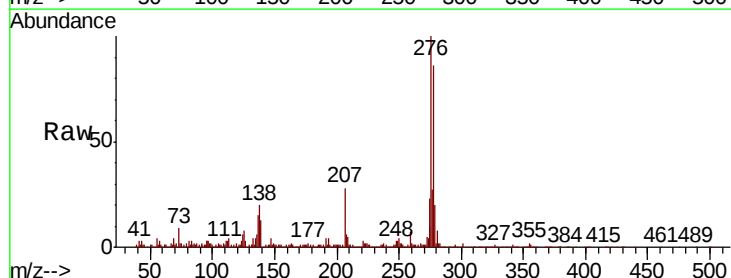
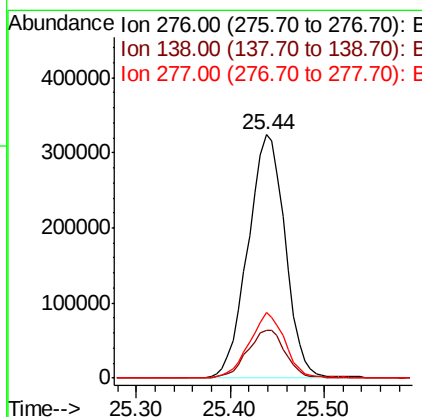
Manual Integrations
APPROVED

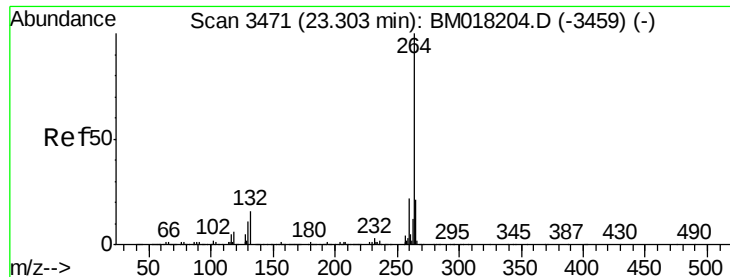
Sohil
12/26/2018 3:20:24 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 39.399 ng
RT: 25.44 min Scan# 3834
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	19.8	18.6	28.0
277	25.4	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Instrument :

BNA_M

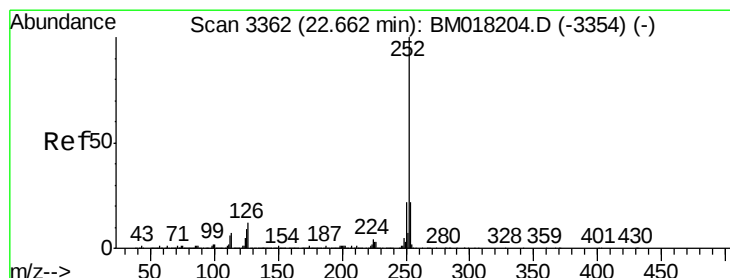
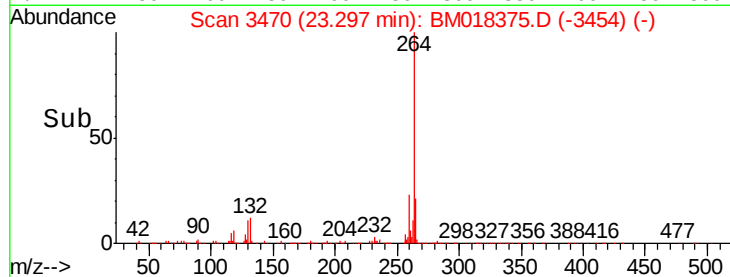
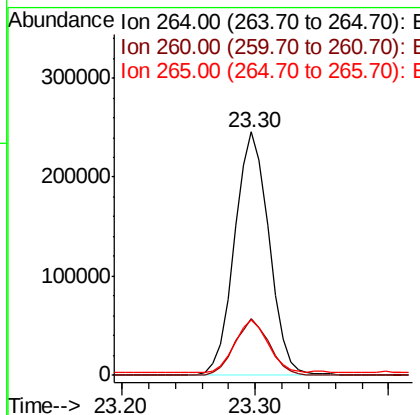
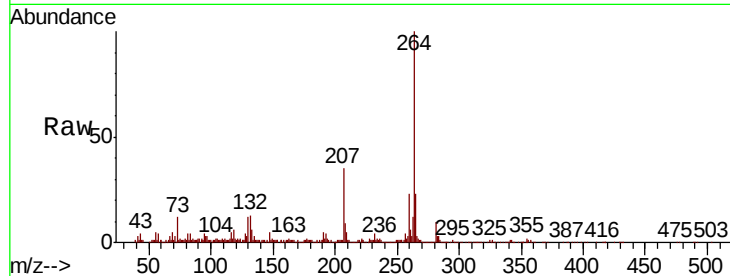
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	264	Resp:	438246
Ion Ratio	Lower	Upper	
264	100		
260	23.3	17.5	26.3
265	22.6	17.3	25.9

Manual Integrations
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Sohil
12/26/2018 3:20:24 PM



#88

Benzo(b)fluoranthene

Concen: 29.683 ng

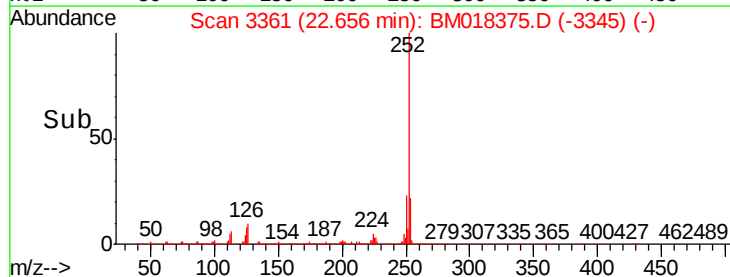
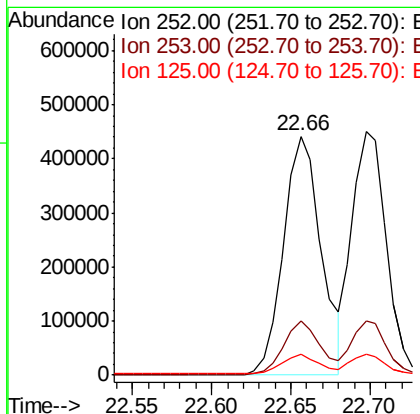
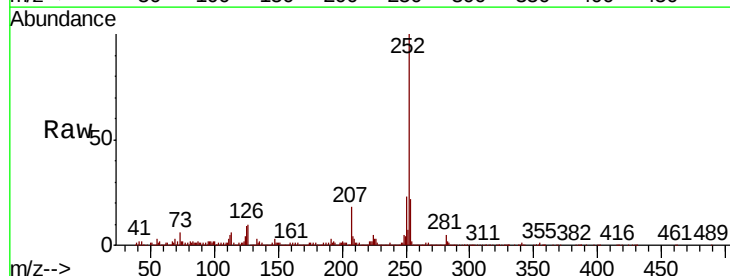
RT: 22.66 min Scan# 3361

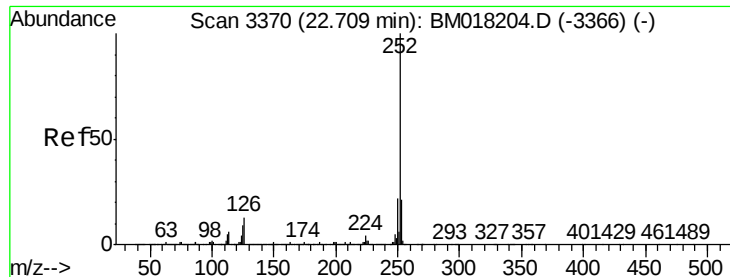
Delta R.T. -0.01 min

Lab File: BM018375.D

Acq: 22 Dec 2018 02:07

Tgt Ion:	252	Resp:	730710
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	8.6	7.4	11.0





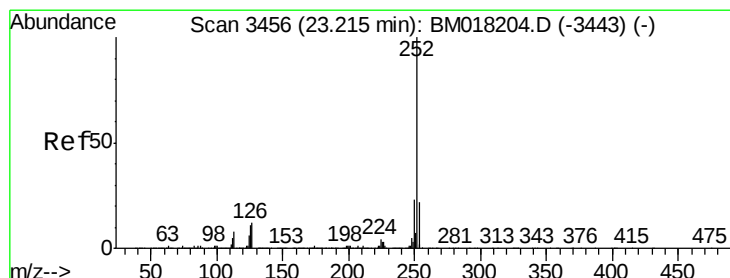
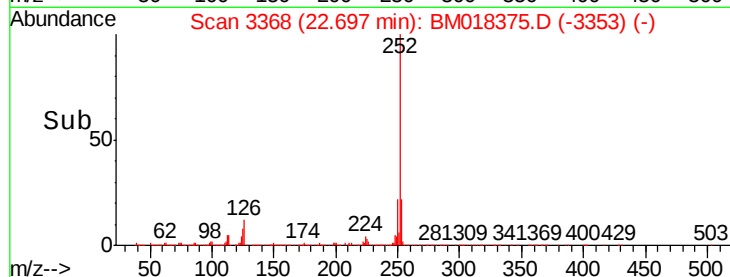
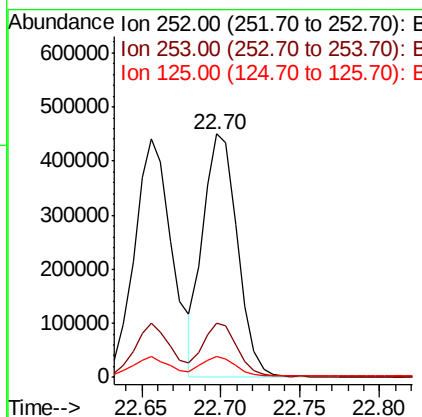
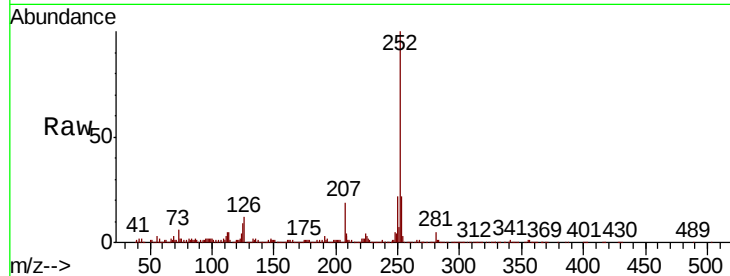
#89
Benzo(k)fluoranthene
Concen: 27.647 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.9	25.3
125	8.6	7.5	11.3

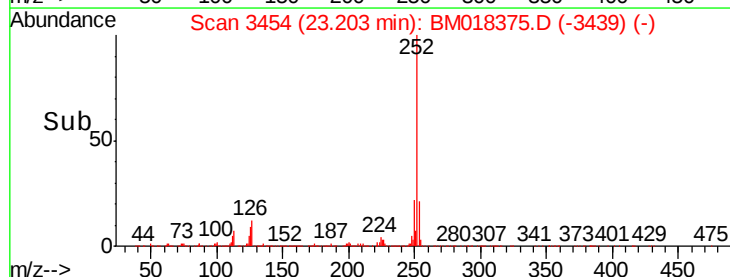
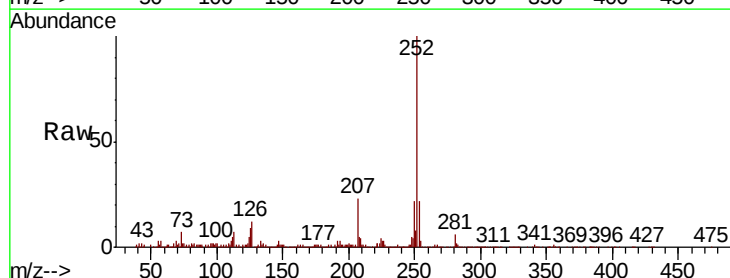
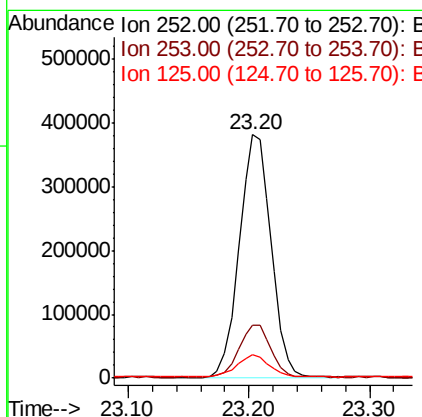
Manual Integrations
APPROVED

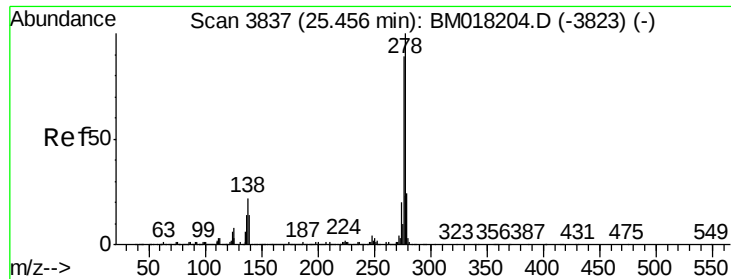
Sohil
12/26/2018 3:20:24 PM



#90
Benzo(a)pyrene
Concen: 29.844 ng
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.4	8.6	12.8





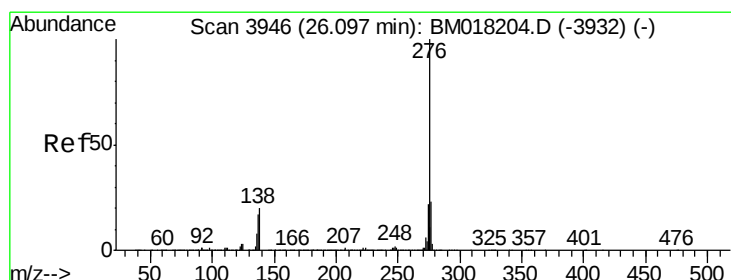
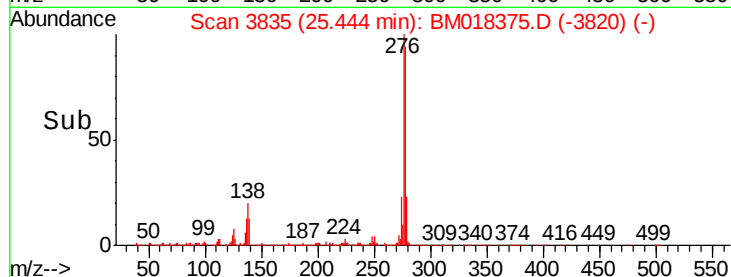
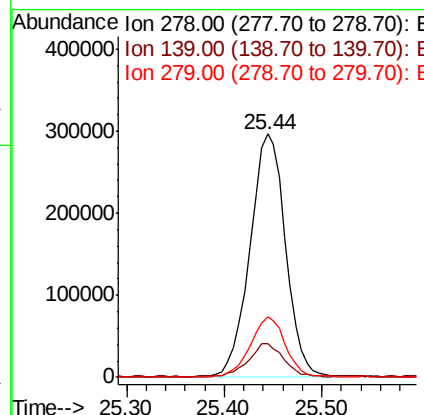
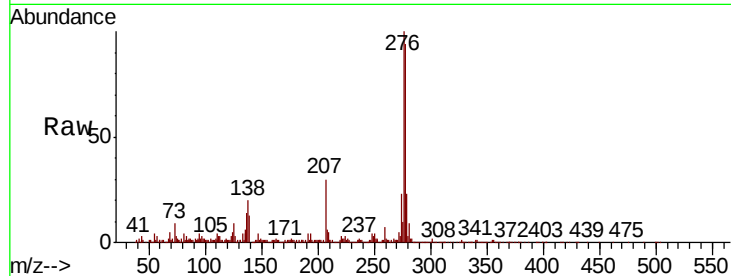
#91
Dibenzo(a,h)anthracene
Concen: 34.735 ng
RT: 25.44 min Scan# 3835
Delta R.T. -0.01 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	11.6	17.4
279	24.7	19.2	28.8

Manual Integrations
APPROVED

Sohil
12/26/2018 3:20:24 PM



#92
Benzo(g,h,i)perylene
Concen: 34.761 ng
RT: 26.10 min Scan# 3946
Delta R.T. -0.00 min
Lab File: BM018375.D
Acq: 22 Dec 2018 02:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	16.9	15.8	23.8

