

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
 Data File : BM018374.D
 Acq On : 22 Dec 2018 01:30
 Operator : JU/SJ
 Sample : J6500-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Manual Integrations
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Sohil
 12/26/2018 3:20:23 PM

Quant Time: Dec 22 05:56:27 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	103314	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	418890	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	224893	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	402205	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	357996	20.00	ng	-0.01
87) Perylene-d12	23.30	264	415924	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	526862	85.19	ng	0.00
7) Phenol-d6	6.70	99	702813	81.76	ng	0.00
23) Nitrobenzene-d5	8.64	82	475582	58.24	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	200037	60.60	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	913147	52.59	ng	-0.02
79) Terphenyl-d14	19.56	244	921501	58.22	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.12	88	51786	21.138	ng	97
3) Pyridine	3.50	79	177497	24.627	ng	95
4) n-Nitrosodimethylamine	3.42	42	77888	31.396	ng	92
6) Aniline	6.83	93	172571	16.003	ng	97
8) 2-Chlorophenol	7.06	128	181350	24.818	ng	92
9) Benzaldehyde	6.65	77	150917	28.803	ng	88
10) Phenol	6.73	94	295139	32.419	ng	94
11) bis(2-Chloroethyl)ether	6.93	93	168645	23.309	ng	97
12) 1,3-Dichlorobenzene	7.37	146	191707	23.494	ng	95
13) 1,4-Dichlorobenzene	7.52	146	192444	23.225	ng	97
14) 1,2-Dichlorobenzene	7.82	146	186486	23.346	ng	97
15) Benzyl Alcohol	7.74	79	196772	28.092	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.00	45	128750	19.774	ng	87
17) 2-Methylphenol	7.95	107	157044	25.835	ng	90
18) Hexachloroethane	8.53	117	56487	18.599	ng	92
19) n-Nitroso-di-n-propylamine	8.29	70	155588	24.241	ng	97
20) 3+4-Methylphenols	8.28	107	207194	24.325	ng	94
22) Acetophenone	8.30	105	281073	25.356	ng	94
24) Nitrobenzene	8.68	77	232723	28.520	ng	93
25) Isophorone	9.20	82	391488	28.794	ng	96
26) 2-Nitrophenol	9.38	139	57452	14.355	ng	# 88
27) 2,4-Dimethylphenol	9.46	122	161913	28.071	ng	95
28) bis(2-Chloroethoxy)methane	9.69	93	225350	25.427	ng	97
29) 2,4-Dichlorophenol	9.92	162	164238	25.681	ng	98
30) 1,2,4-Trichlorobenzene	10.12	180	187942	25.836	ng	96
31) Naphthalene	10.30	128	530627	25.906	ng	99
32) Benzoic acid	9.59	122	38528m	7.054	ng	
33) 4-Chloroaniline	10.43	127	140695	15.681	ng	93
34) Hexachlorobutadiene	10.56	225	112973	24.555	ng	98
35) Caprolactam	11.24	113	48310	19.824	ng	89
36) 4-Chloro-3-methylphenol	11.59	107	185006	24.075	ng	91
37) 2-Methylnaphthalene	11.92	142	381606	26.418	ng	96
38) 1-Methylnaphthalene	12.15	142	360219	25.556	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	12.30	216	203066	26.258	ng	99

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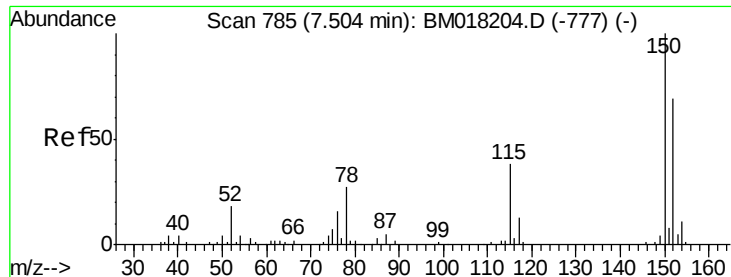
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Quant Time: Dec 22 05:56:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.26	237	6108	9.711	nq	92
43) 2,4,6-Trichlorophenol	12.57	196	125746	25.281	nq	93
44) 2,4,5-Trichlorophenol	12.65	196	126184	23.896	nq	95
46) 1,1'-Biphenyl	12.96	154	484714	23.958	nq	98
47) 2-Chloronaphthalene	13.00	162	372836	25.037	nq	97
48) 2-Nitroaniline	13.24	65	135470	29.532	nq	90
49) Acenaphthylene	13.86	152	577169	25.720	nq	99
50) Dimethylphthalate	13.62	163	554091	29.635	nq	99
51) 2,6-Dinitrotoluene	13.75	165	83439	20.301	nq #	81
52) Acenaphthene	14.21	154	340141	24.802	nq	98
53) 3-Nitroaniline	14.09	138	103432	23.913	nq	89
54) 2,4-Dinitrophenol	14.33	184	128	0.056	nq #	33
55) Dibenzofuran	14.55	168	539104	24.464	nq	96
56) 4-Nitrophenol	14.45	139	93709	28.575	nq #	69
57) 2,4-Dinitrotoluene	14.56	165	110401	19.432	nq #	86
58) Fluorene	15.20	166	424050	24.915	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.80	232	101487	21.340	nq	95
60) Diethylphthalate	14.99	149	464917	23.042	nq	98
61) 4-Chlorophenyl-phenylether	15.20	204	223279	23.196	nq	98
62) 4-Nitroaniline	15.26	138	95134	23.180	nq #	73
63) Azobenzene	15.50	77	480911	26.139	nq	94
65) 4,6-Dinitro-2-methylphenol	15.34	198	1085	0.366	nq #	22
66) n-Nitrosodiphenylamine	15.43	169	365724	27.498	nq	98
67) 4-Bromophenyl-phenylether	16.10	248	131032	26.900	nq	96
68) Hexachlorobenzene	16.21	284	133830	25.079	nq #	93
69) Atrazine	16.40	200	125695	27.994	nq	98
70) Pentachlorophenol	16.57	266	115387	32.740	nq	97
71) Phenanthrene	16.96	178	583370	26.703	nq	100
72) Anthracene	17.04	178	580611	26.789	nq	98
73) Carbazole	17.33	167	489180	21.990	nq	99
74) Di-n-butylphthalate	17.89	149	696983	25.393	nq	99
75) Fluoranthene	18.99	202	584709	23.020	nq	98
77) Benzidine	19.20	184	425721	46.895	nq	100
78) Pyrene	19.35	202	575586	26.983	nq	99
80) Butylbenzylphthalate	20.27	149	264480	26.063	nq	91
81) Benzo(a)anthracene	21.12	228	564844	27.010	nq	99
82) 3,3'-Dichlorobenzidine	21.06	252	215186	25.756	nq	99
83) Chrysene	21.17	228	528381	26.269	nq	100
84) Bis(2-ethylhexyl)phthalate	21.06	149	388985	25.720	nq	99
85) Di-n-octyl phthalate	21.92	149	679402	27.429	nq	98
86) Indeno(1,2,3-cd)pyrene	25.44	276	712724	35.571	nq	97
88) Benzo(b)fluoranthene	22.66	252	622633	26.650	nq	98
89) Benzo(k)fluoranthene	22.70	252	573130	24.632	nq	97
90) Benzo(a)pyrene	23.20	252	591134	26.603	nq	97
91) Dibenzo(a,h)anthracene	25.44	278	600805	29.188	nq	99
92) Benzo(g,h,i)perylene	26.09	276	591440	30.397	nq	97

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



#1

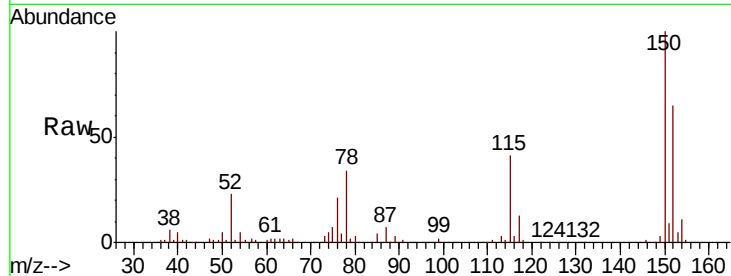
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	116.1	174.1
115	63.5	44.6	67.0

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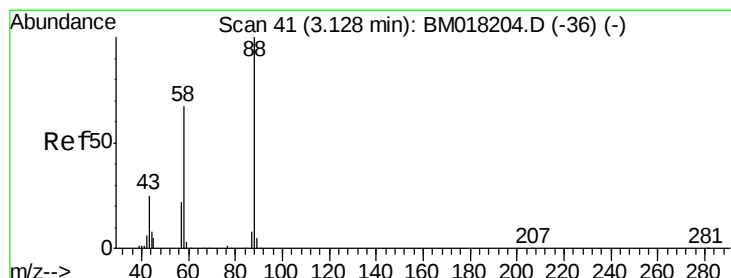
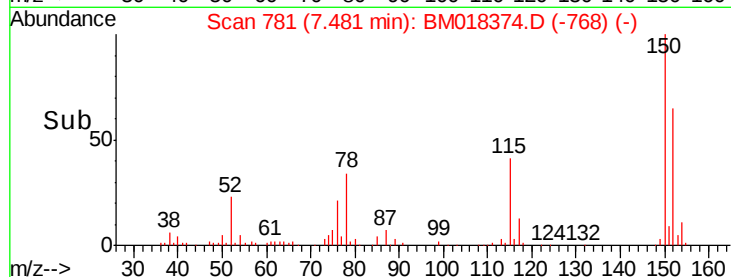
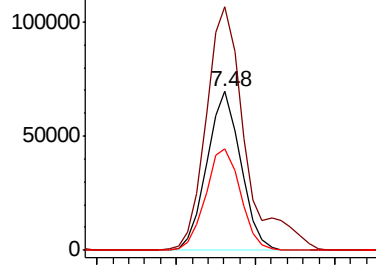


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

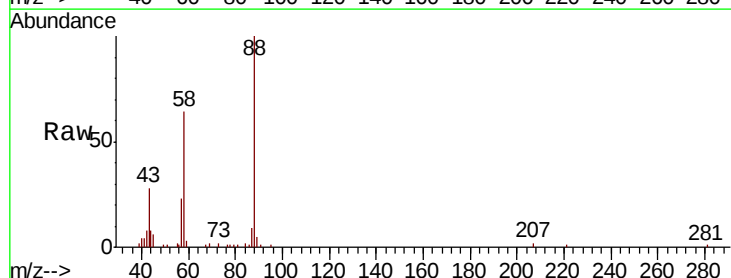
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 21.138 ng
RT: 3.12 min Scan# 39
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.7	49.8	74.6
43	28.6	19.1	28.7

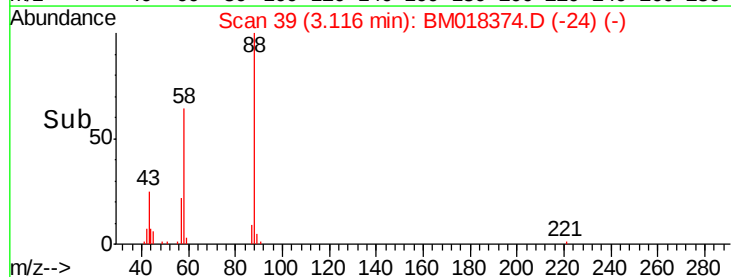
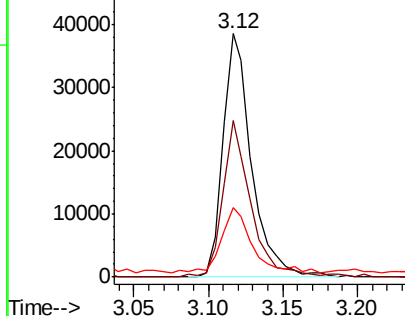


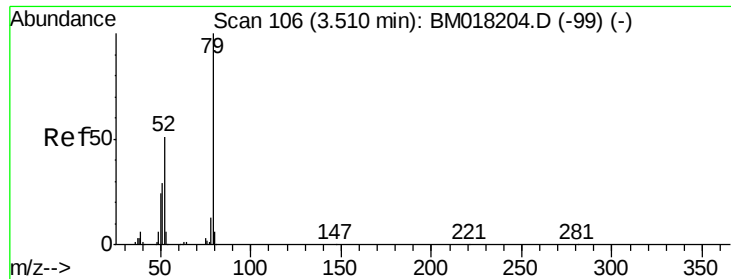
Abundance

Ion 88.00 (87.70 to 88.70): BMC

Ion 58.00 (57.70 to 58.70): BMC

Ion 43.00 (42.70 to 43.70): BMC





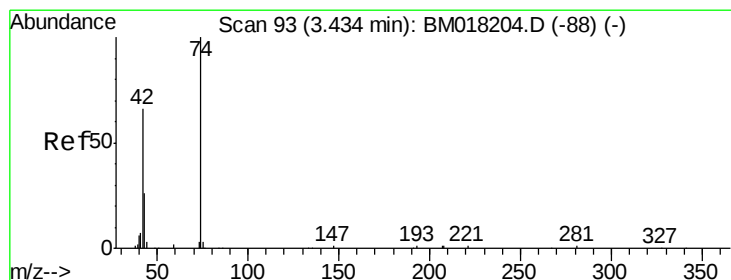
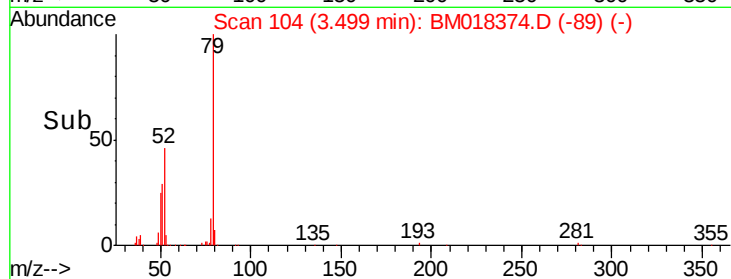
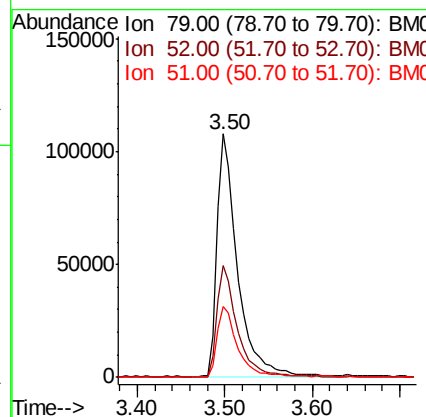
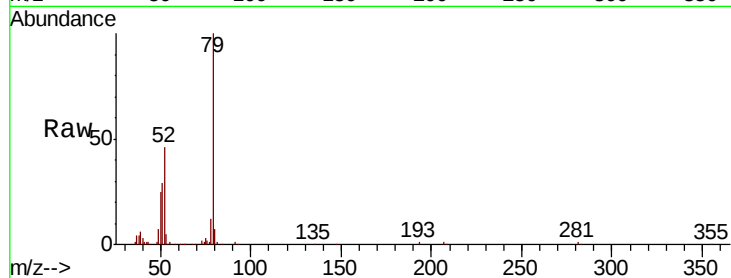
#3
 Pvridine
 Concen: 24.627 ng
 RT: 3.50 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
79	100		
52	46.1	40.7	61.1
51	29.0	23.0	34.6

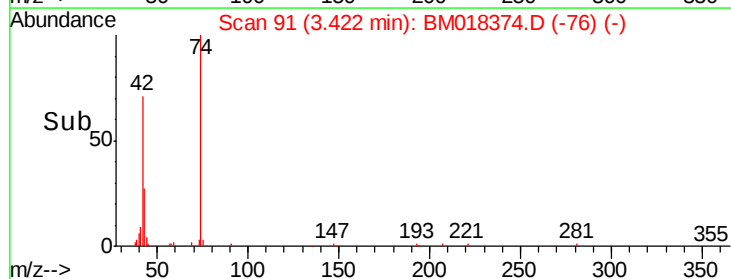
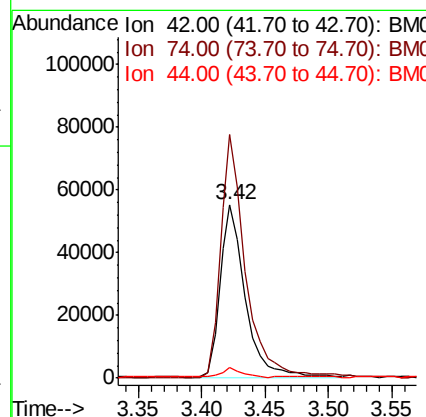
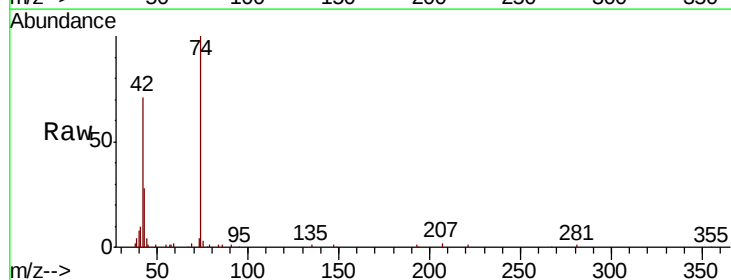
Manual Integrations
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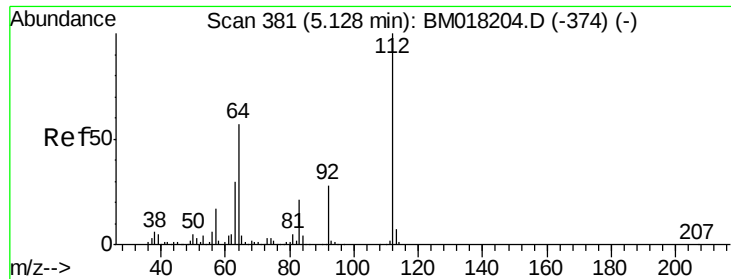
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#4
 n-Nitrosodimethylamine
 Concen: 31.396 ng
 RT: 3.42 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.4	120.4	180.6
44	5.8	4.6	7.0





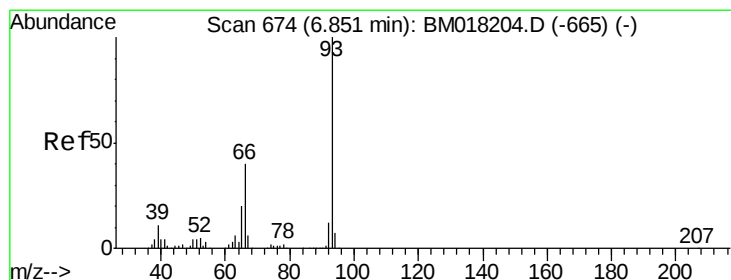
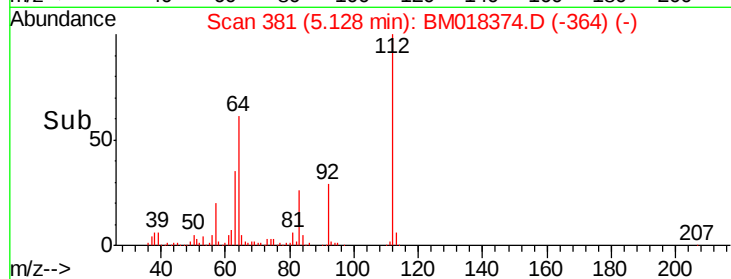
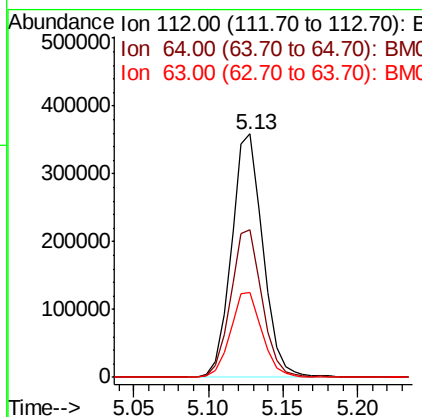
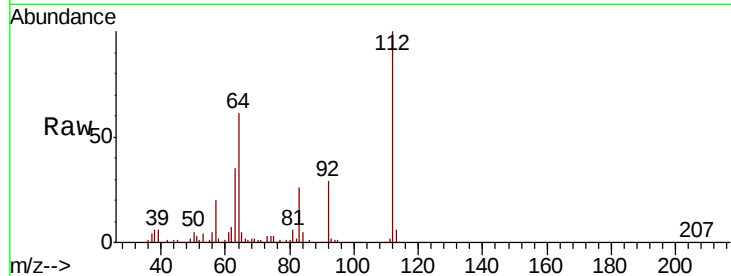
#5
2-Fluorophenol
Concen: 85.188 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	526862		
64	60.7		45.4	68.2
63	34.6		24.0	36.0

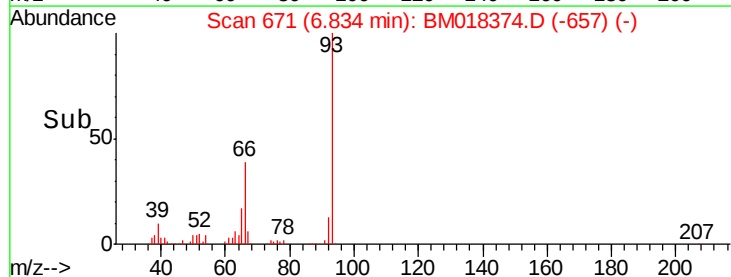
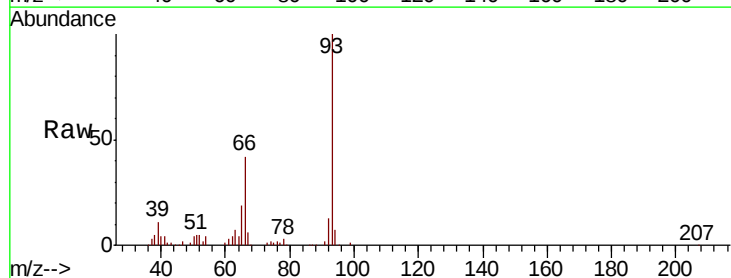
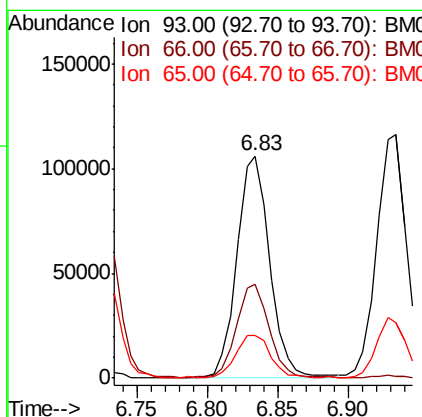
Manual Integrations
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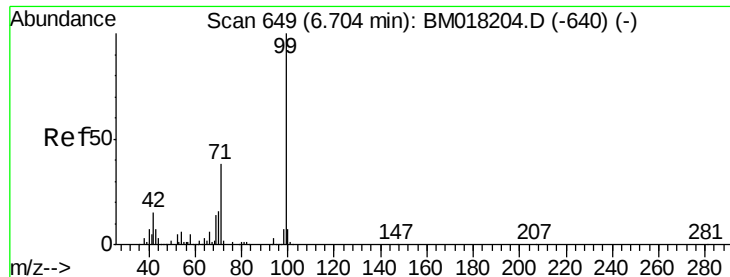
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#6
Aniline
Concen: 16.003 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	172571		
66	42.2		32.3	48.5
65	19.3		16.2	24.4





#7

Phenol-d6

Concen: 81.759 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

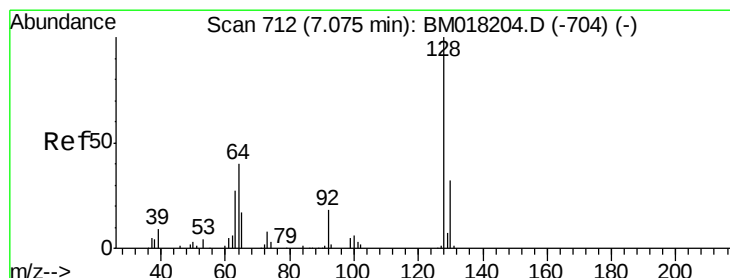
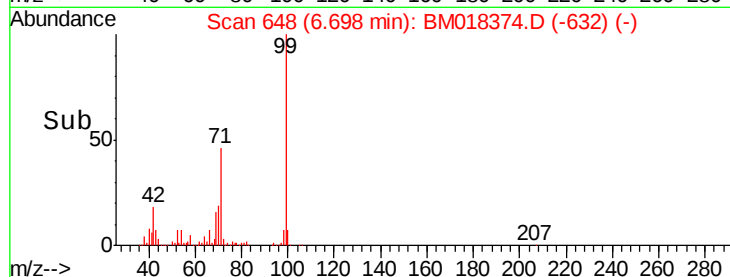
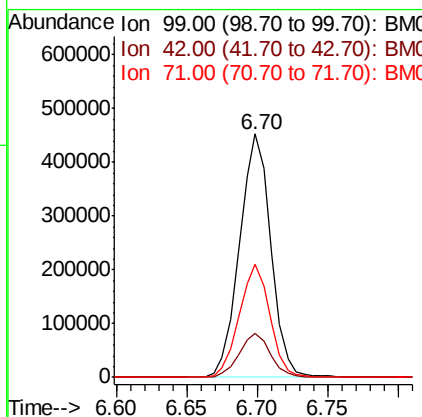
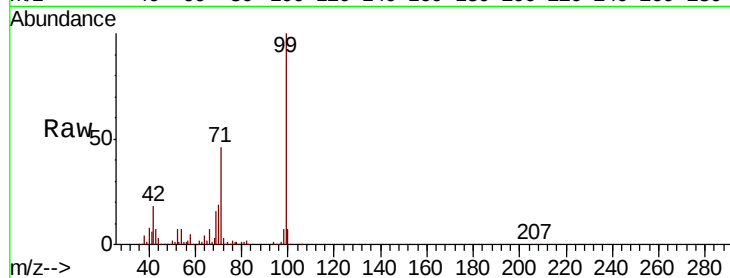
ClientSampleId :

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Tot Ion:	99	Resp:	702813
Ion Ratio	Lower	Upper	
99	100		
42	17.9	12.3	18.5
71	46.4	30.2	45.2#

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#8

2-Chlorophenol

Concen: 24.818 ng

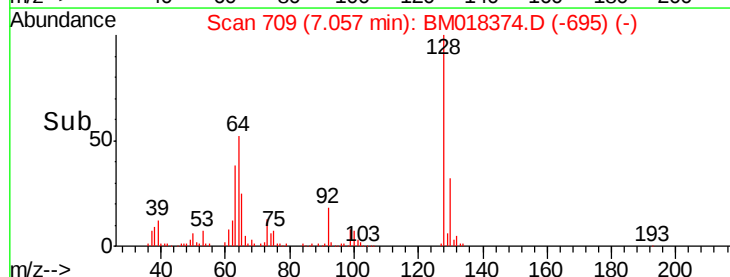
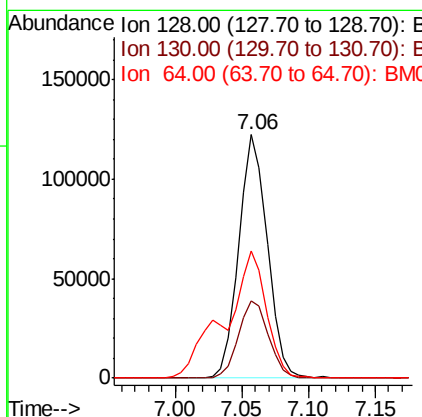
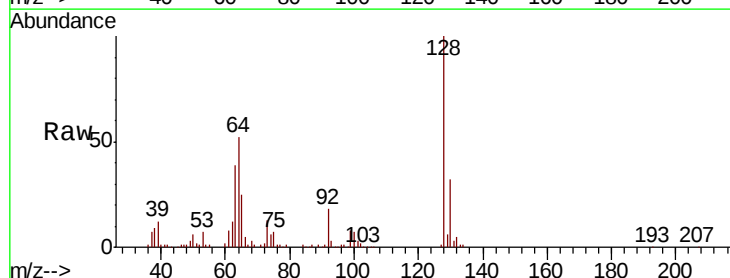
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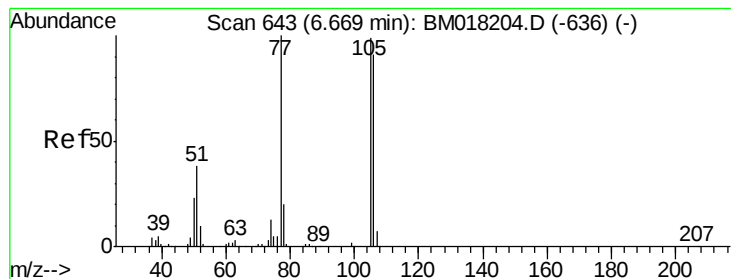
Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	128	Resp:	181350
Ion Ratio	Lower	Upper	
128	100		
130	31.6	12.3	52.3
64	52.2	24.1	64.1





#9

Benzaldehyde

Concen: 28.803 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

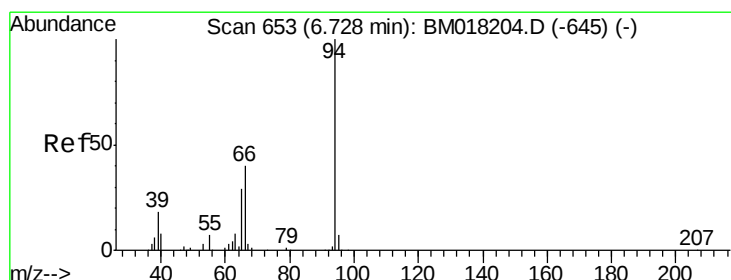
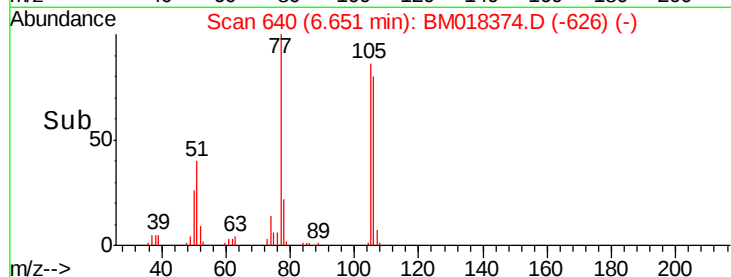
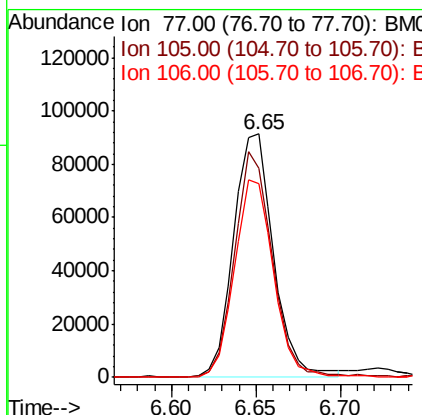
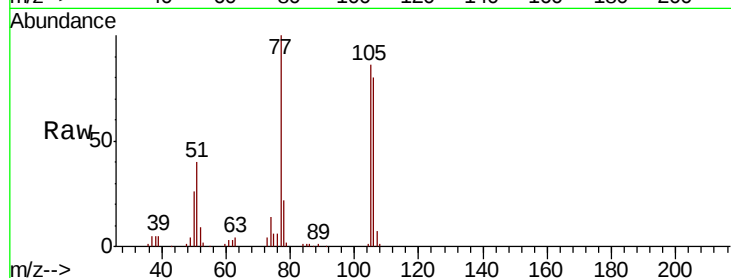
ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:	77	Resp:	150917
Ion Ratio	Lower	Upper	
77	100		
105	85.6	78.8	118.8
106	79.7	70.7	110.7

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#10

Phenol

Concen: 32.419 ng

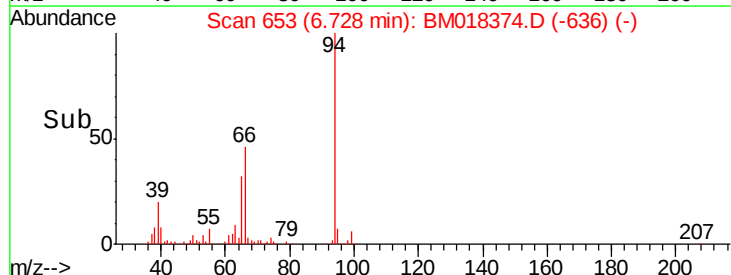
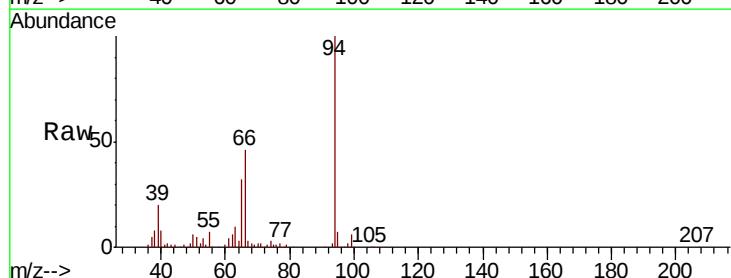
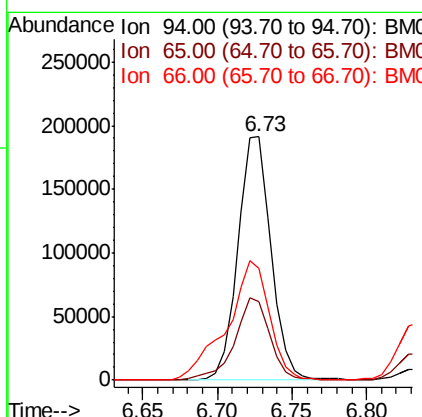
RT: 6.73 min Scan# 653

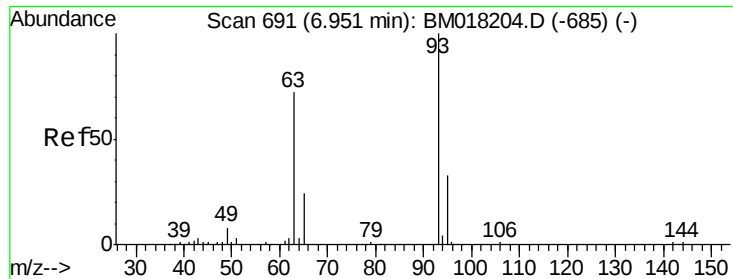
Delta R.T. -0.00 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	94	Resp:	295139
Ion Ratio	Lower	Upper	
94	100		
65	32.2	9.5	49.5
66	45.9	21.3	61.3





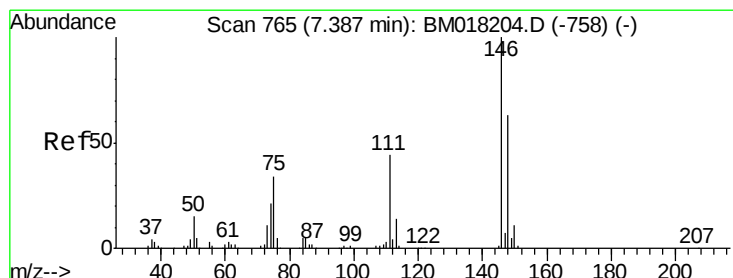
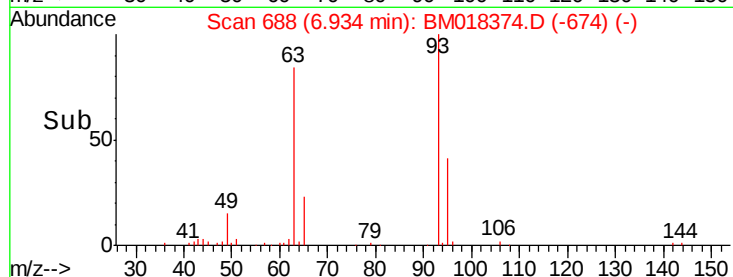
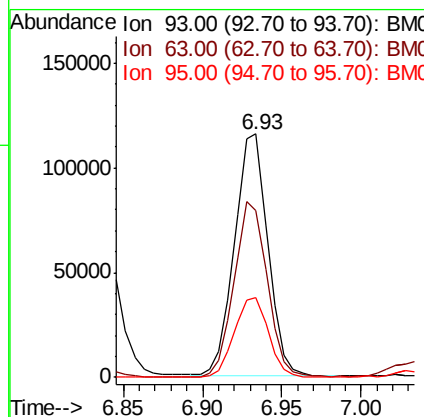
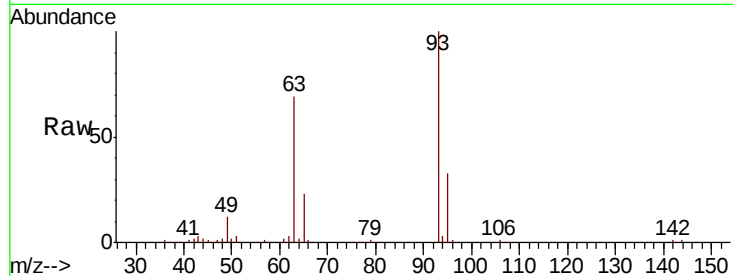
#11
bis(2-Chloroethyl)ether
Concen: 23.309 ng
RT: 6.93 min Scan# 688
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.6	51.7	91.7
95	32.9	13.1	53.1

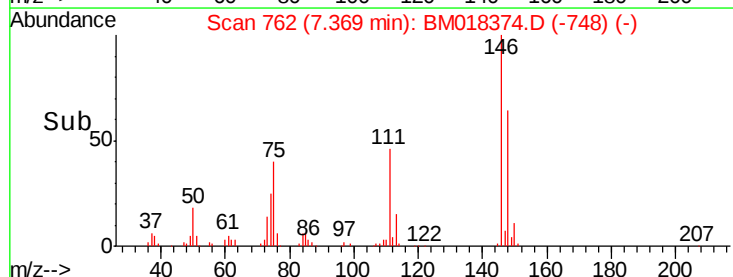
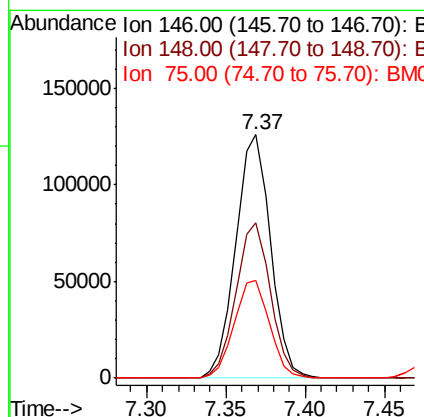
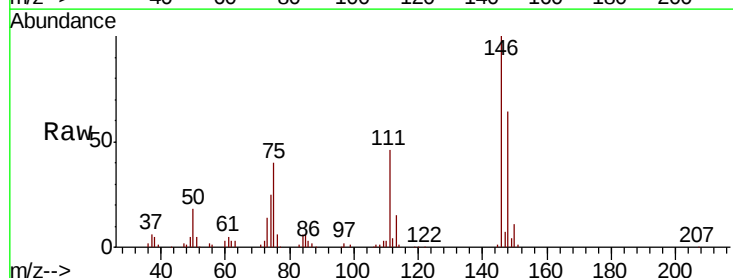
Manual Integrations
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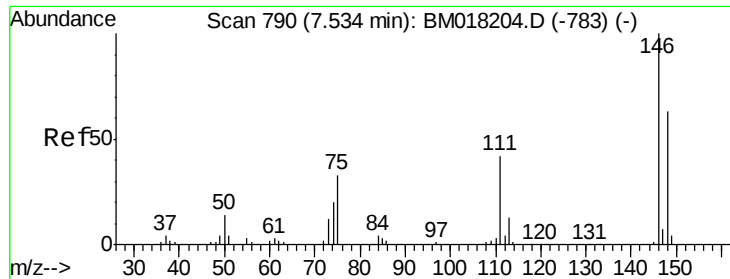
Sohil
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#12
1,3-Dichlorobenzene
Concen: 23.494 ng
RT: 7.37 min Scan# 762
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
75	40.3	27.0	40.4





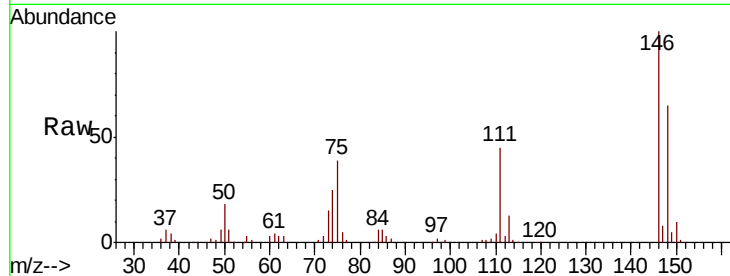
#13
1,4-Dichlorobenzene
Concen: 23.225 ng
RT: 7.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.7	76.1
111	45.5	34.2	51.2

Manual Integrations
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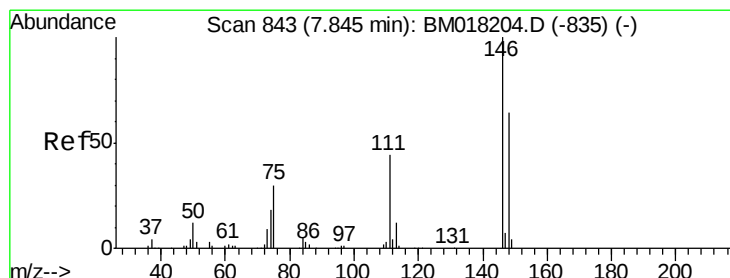
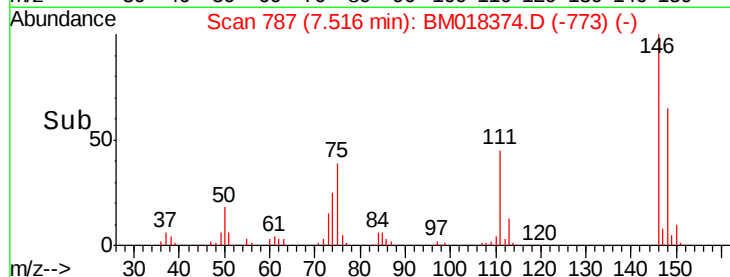
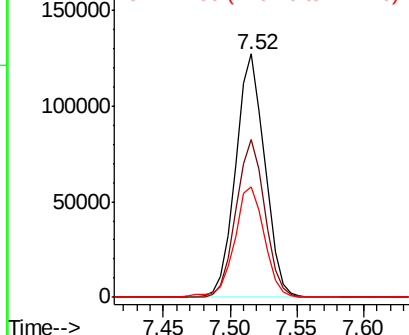


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 23.346 ng
RT: 7.82 min Scan# 839
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

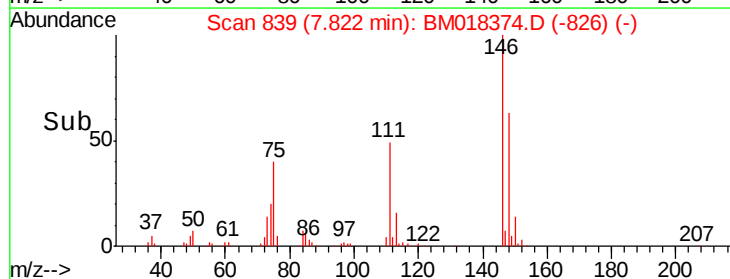
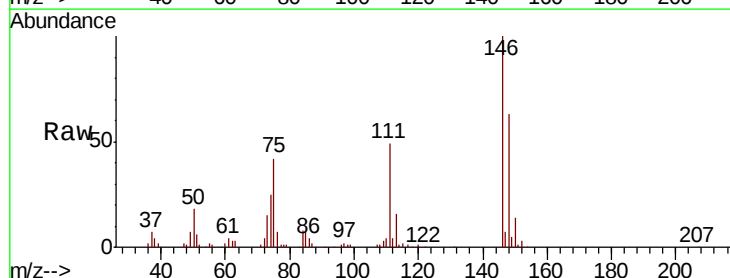
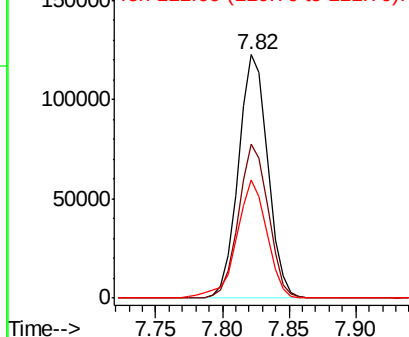
Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.3	76.9
111	48.8	35.8	53.8

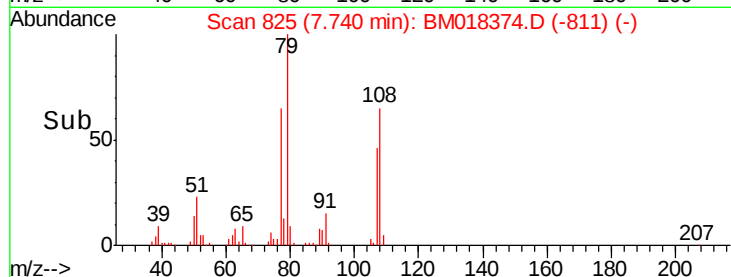
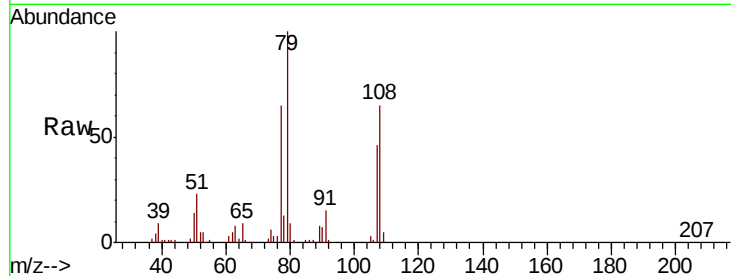
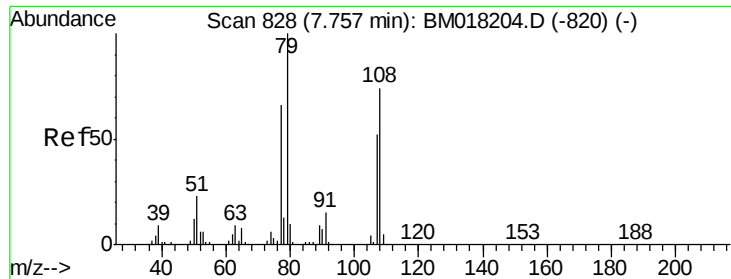
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





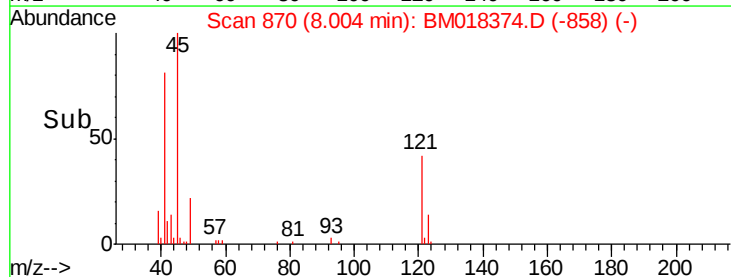
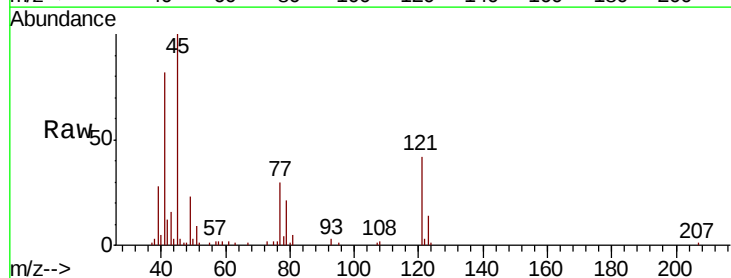
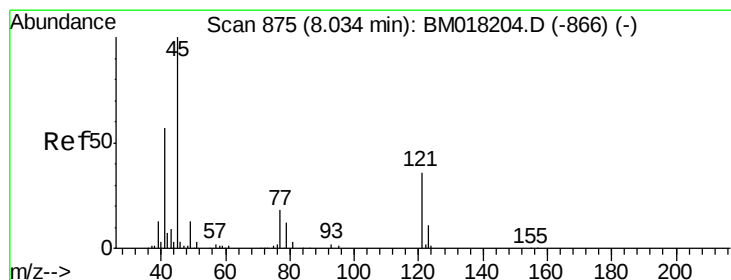
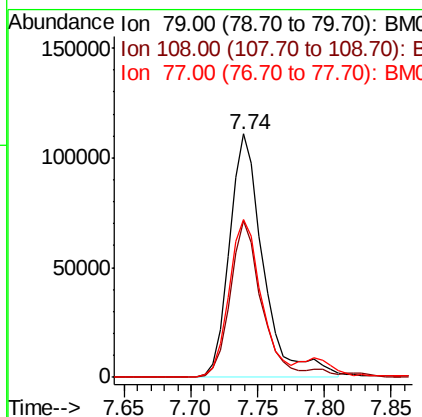
#15
Benzyl Alcohol
Concen: 28.092 ng
RT: 7.74 min Scan# 825
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tot Ion	Ratio	Lower	Upper
79	100		
108	64.5	59.3	88.9
77	65.0	53.0	79.4

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

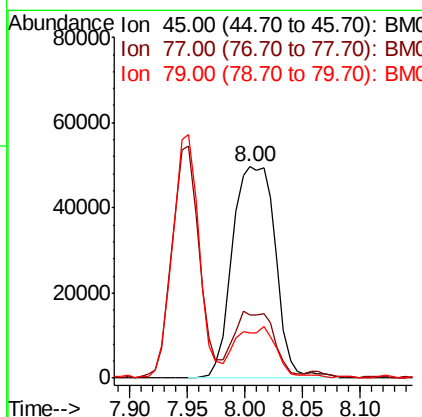
Manual Integrations
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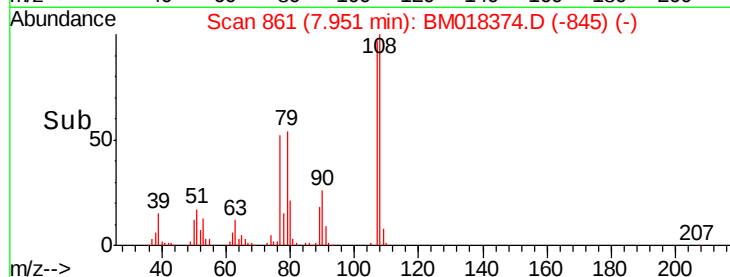
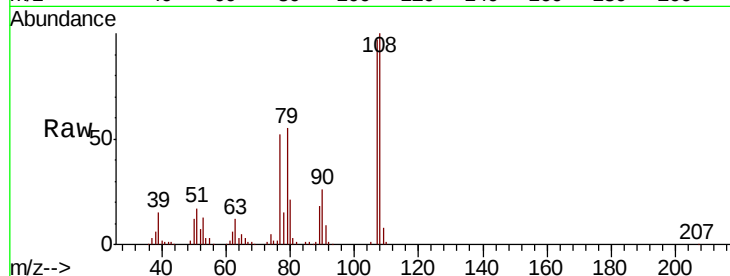
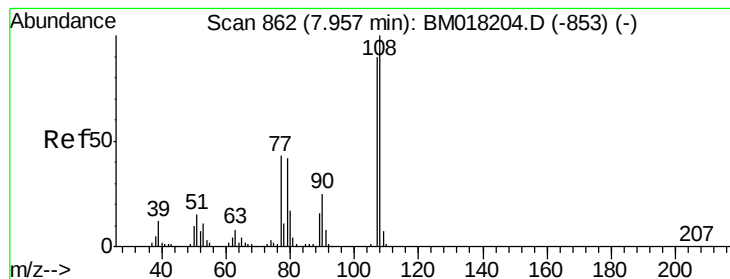
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.774 ng
RT: 8.00 min Scan# 870
Delta R.T. -0.03 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
45	100		
77	30.0	2.5	42.5
79	21.5	0.0	37.2





#17

2-Methylphenol

Concen: 25.835 ng

RT: 7.95 min Scan# 861

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	103.0	89.3	133.9	
77	53.9	38.2	57.4	
79	56.5	37.7	56.5	

Instrument :

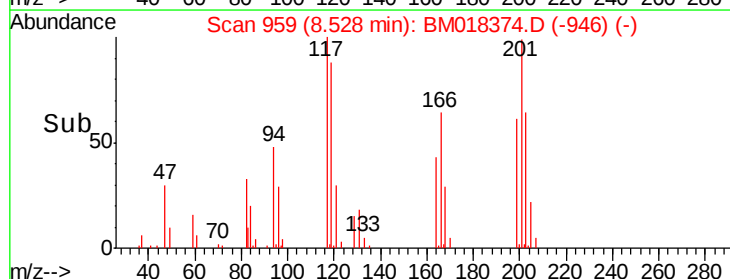
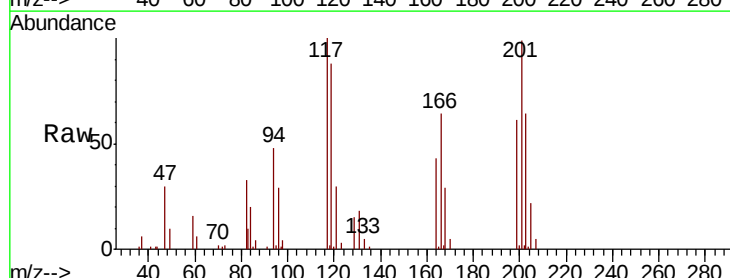
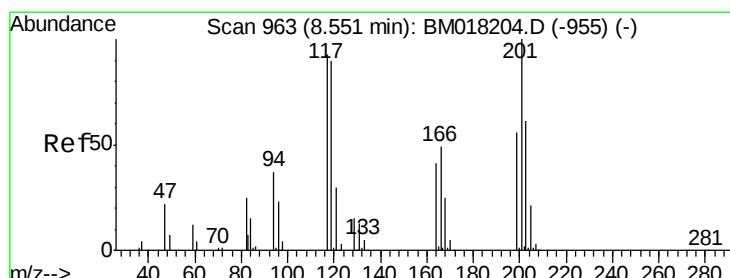
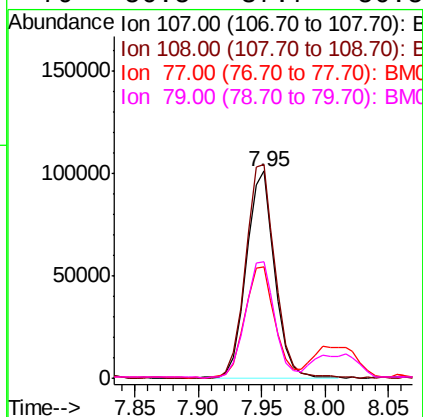
BNA_M

ClientSampleId :

SOIL-CUTTINGSMS

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#18

Hexachloroethane

Concen: 18.599 ng

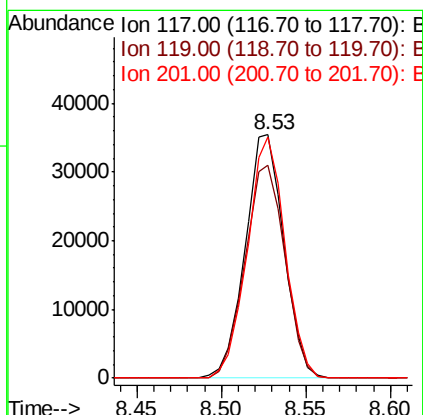
RT: 8.53 min Scan# 959

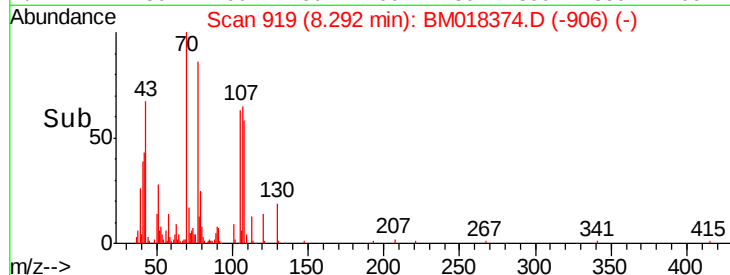
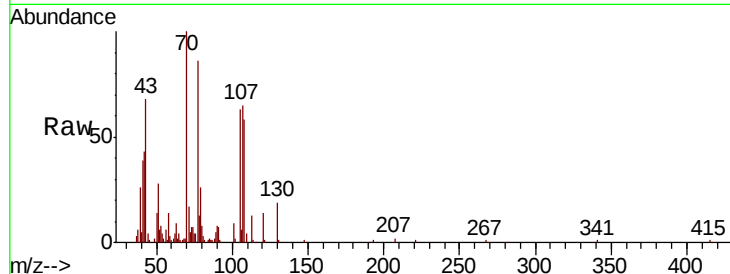
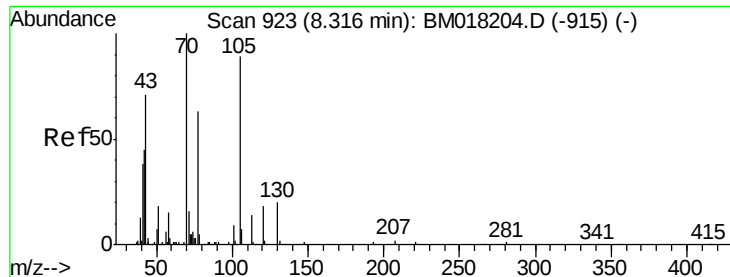
Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	87.7	77.0	115.4	
201	98.8	85.7	128.5	





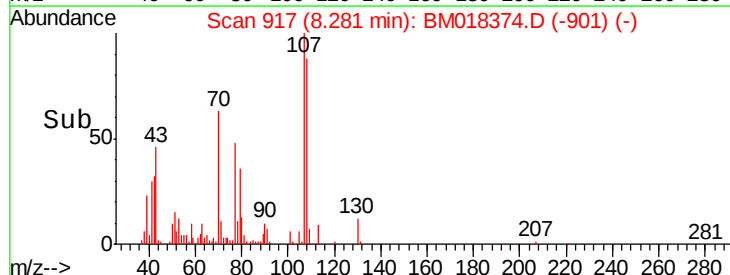
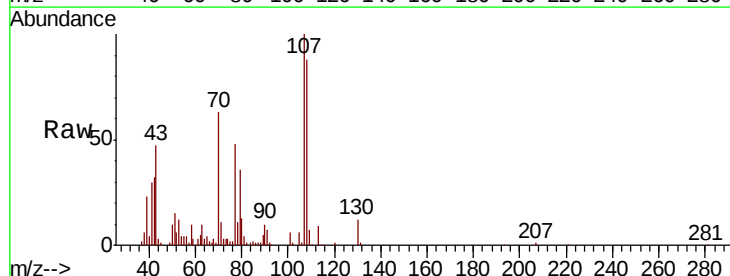
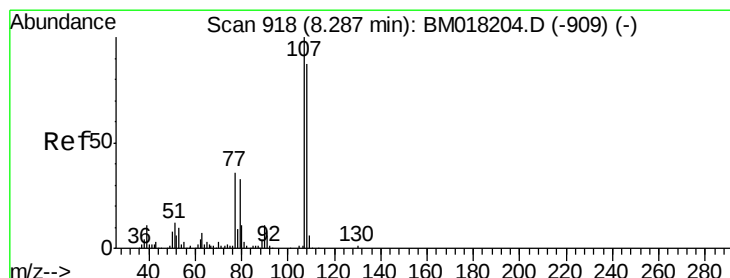
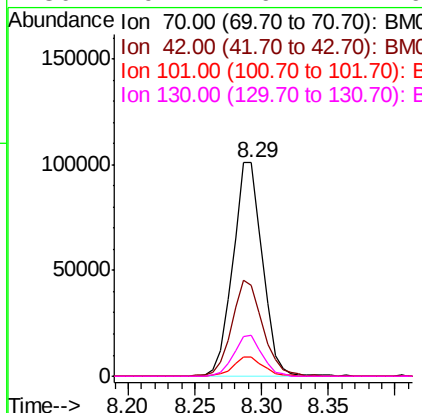
#19
n-Nitroso-di-n-propylamine
Concen: 24.241 ng
RT: 8.29 min Scan# 919
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	42.6	36.2	54.2	
101	9.0	7.5	11.3	
130	19.1	16.4	24.6	

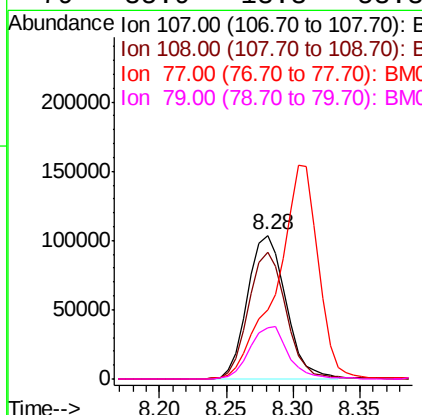
Manual Integrations
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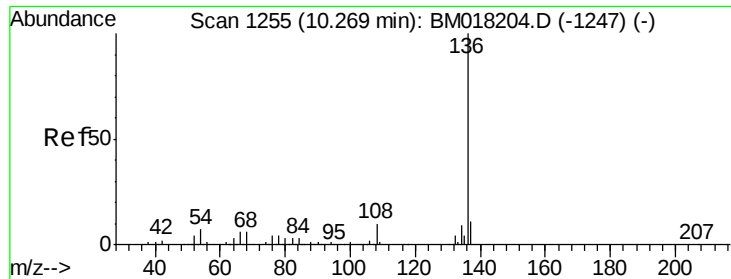
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#20
3+4-Methylphenols
Concen: 24.325 ng
RT: 8.28 min Scan# 917
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.2	67.4	107.4	
77	47.8	15.7	55.7	
79	35.9	13.3	53.3	





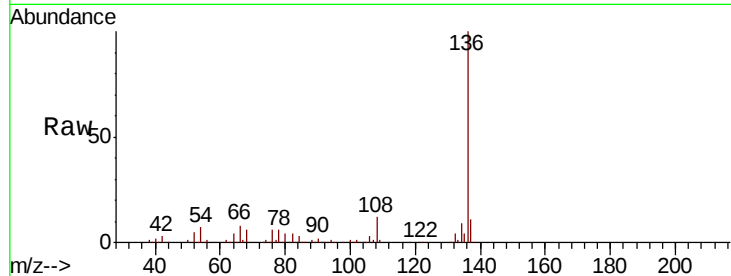
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

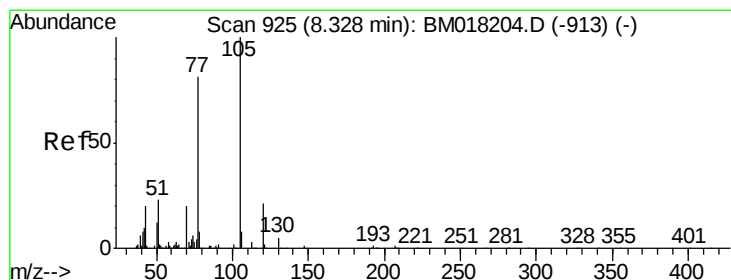
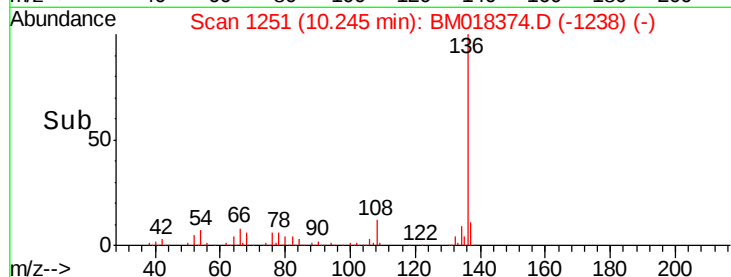
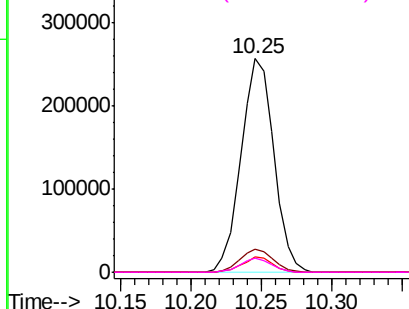
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		418890		
137	10.9		9.2	13.8	
54	7.2		5.2	7.8	
68	6.3		5.0	7.6	

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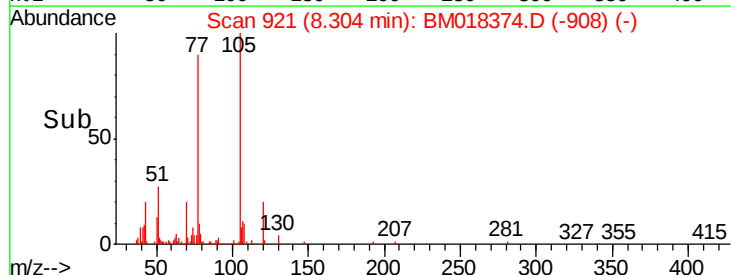
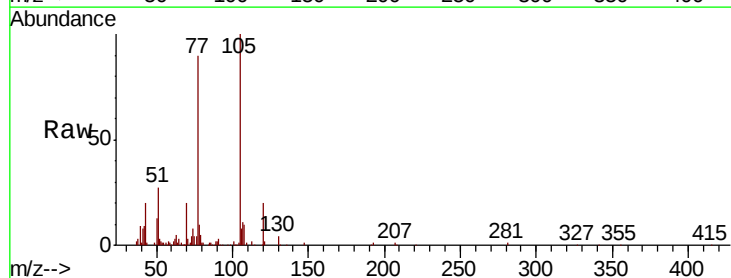
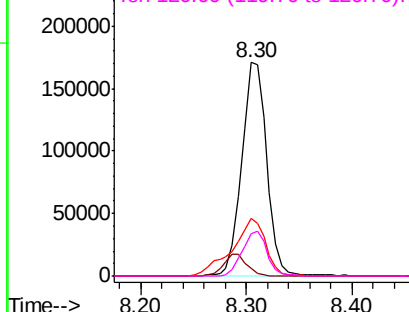
Abundance Ion 136.00 (135.70 to 136.70): E
400000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

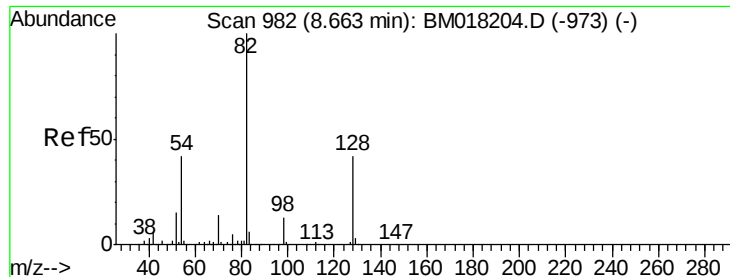


#22
Acetophenone
Concen: 25.356 ng
RT: 8.30 min Scan# 921
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		281073		
71	3.4		2.6	4.0	
51	27.1		18.3	27.5	
120	19.8		17.0	25.6	

Abundance Ion 105.00 (104.70 to 105.70): E
250000
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





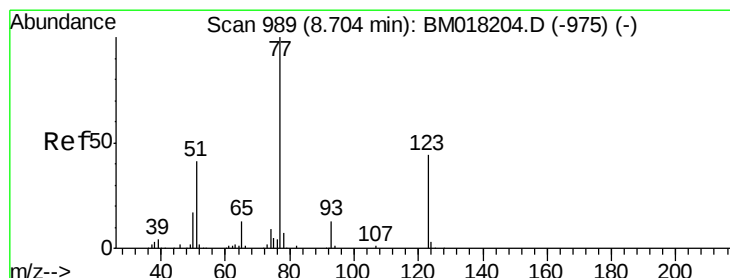
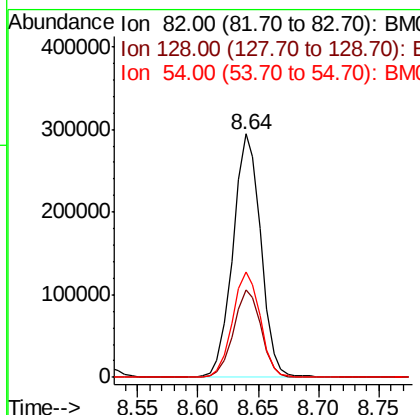
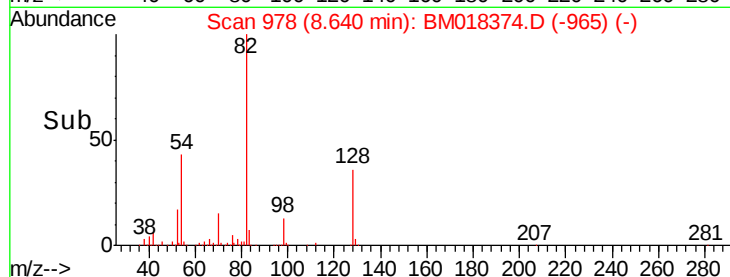
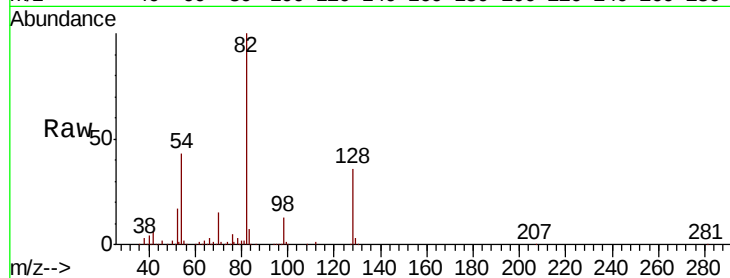
#23
Nitrobenzene-d5
Concen: 58.236 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	33.4	50.2
54	43.1	33.4	50.2

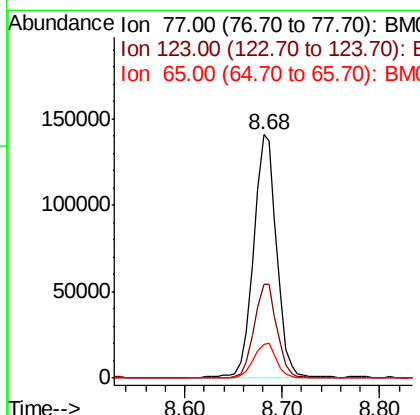
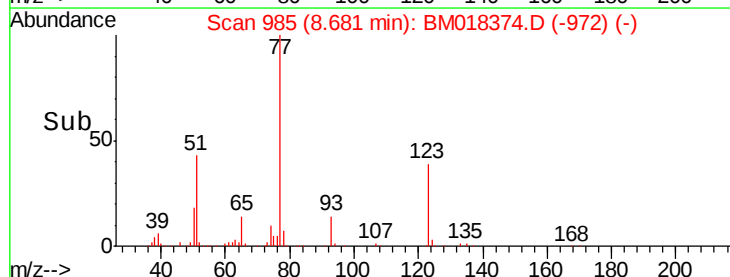
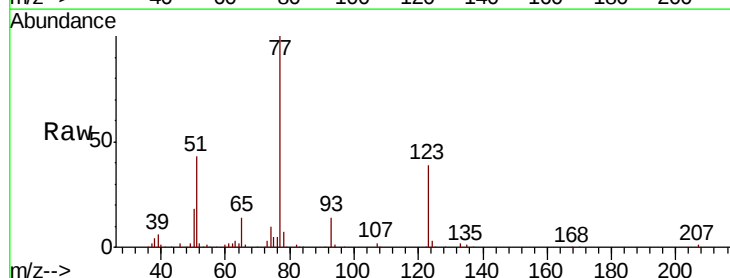
Manual Integrations
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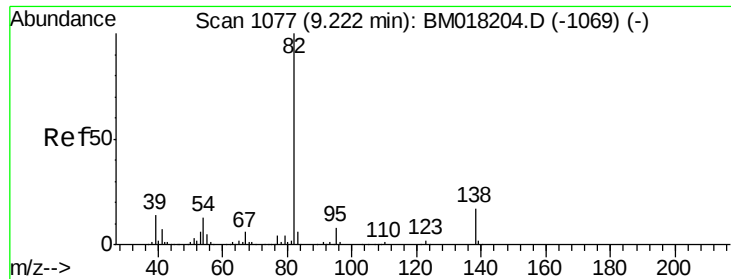
Sohil
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#24
Nitrobenzene
Concen: 28.520 ng
RT: 8.68 min Scan# 985
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.6	35.4	53.2
65	13.6	10.6	15.8





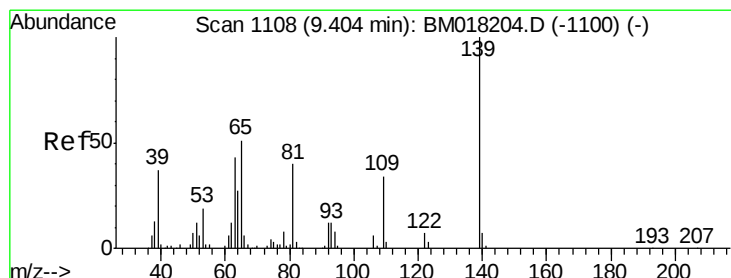
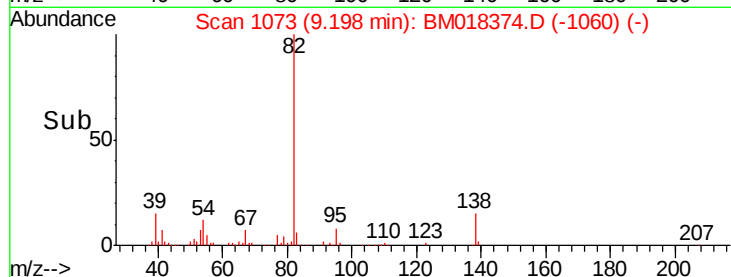
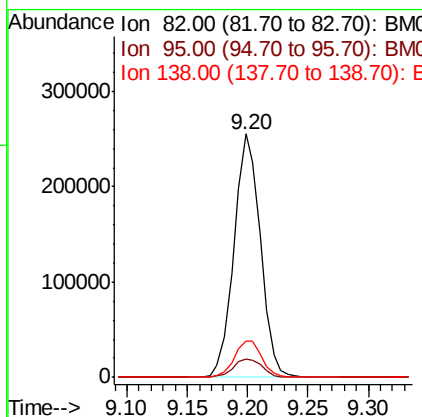
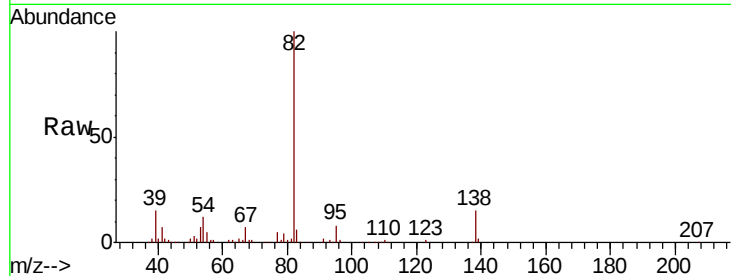
#25
Isophorone
Concen: 28.794 ng
RT: 9.20 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	391488		
95	7.7	6.4	9.6	
138	15.1	13.9	20.9	

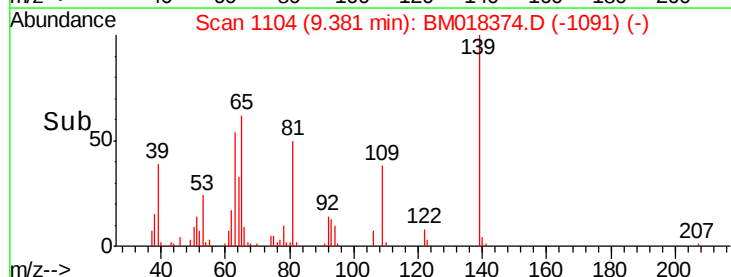
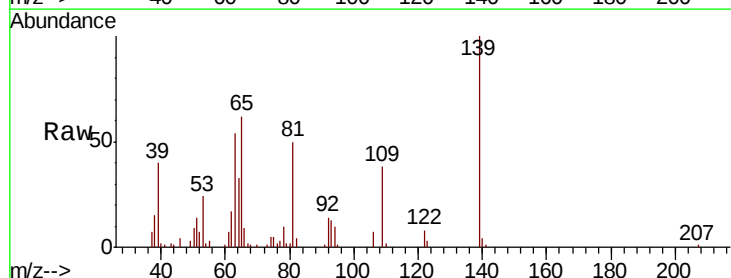
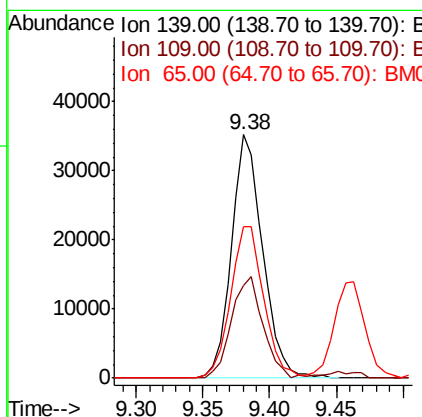
Manual Integrations
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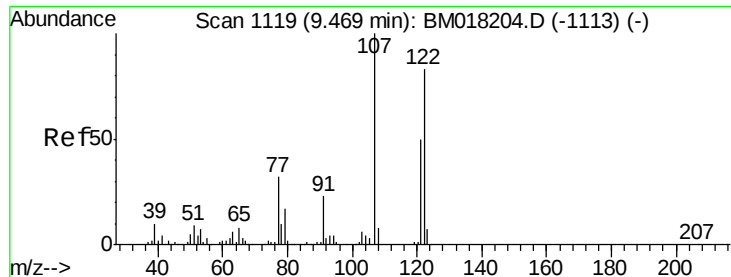
Sohil
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#26
2-Nitrophenol
Concen: 14.355 ng
RT: 9.38 min Scan# 1104
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	57452		
109	37.8	27.4	41.0	
65	62.2	41.0	61.4	





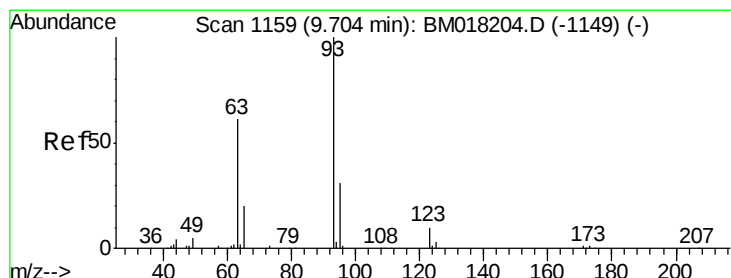
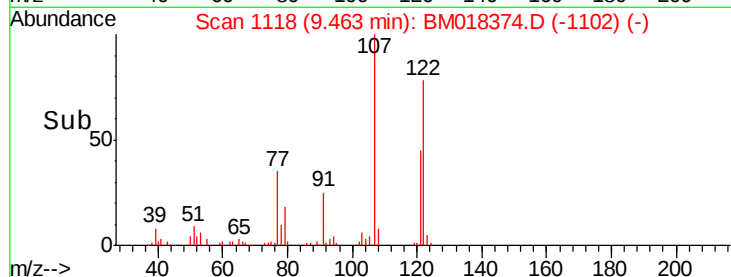
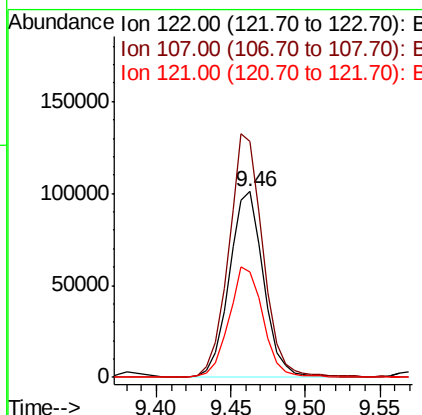
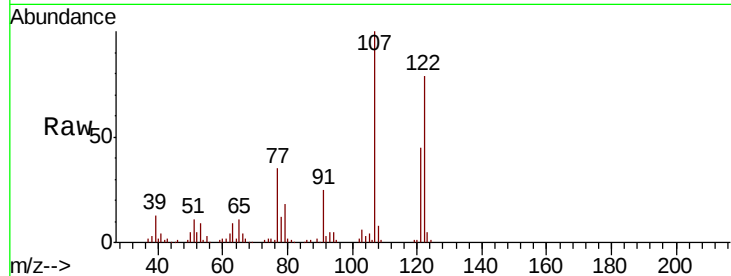
#27
2,4-Dimethylphenol
Concen: 28.071 ng
RT: 9.46 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	126.8	96.5	144.7
121	56.7	48.2	72.4

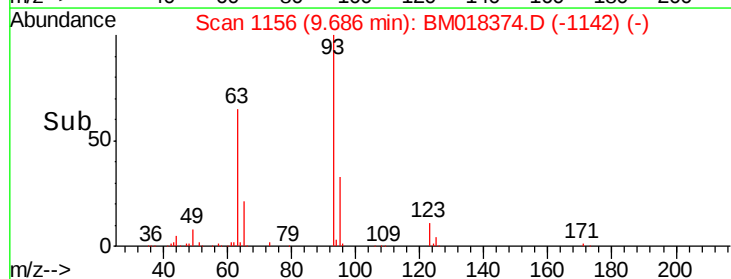
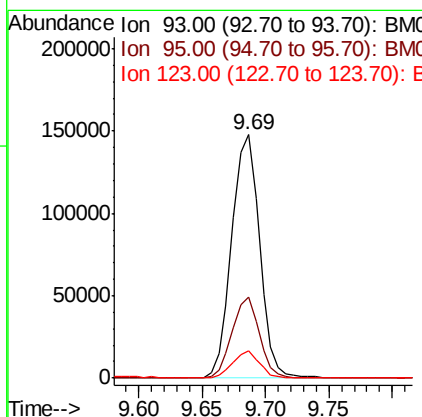
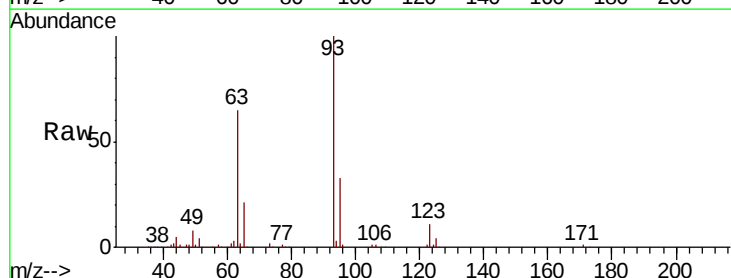
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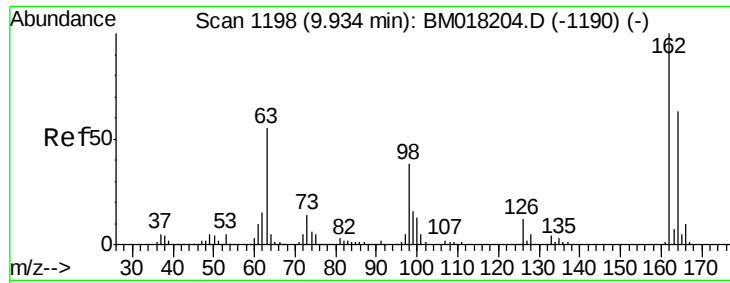
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#28
bis(2-Chloroethoxy)methane
Concen: 25.427 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.3	37.9
123	11.4	9.3	13.9





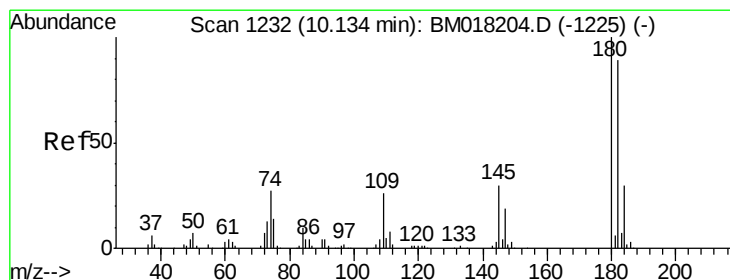
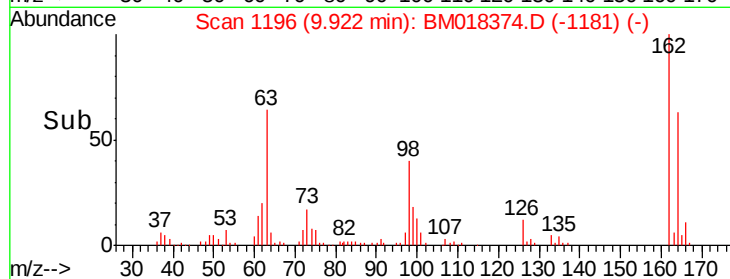
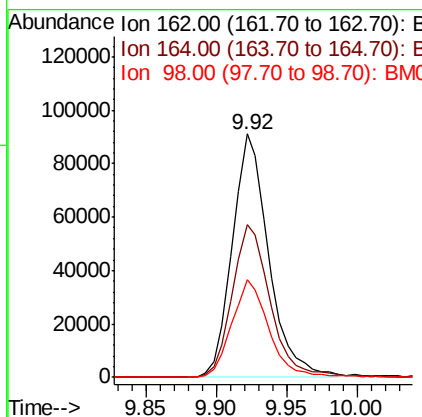
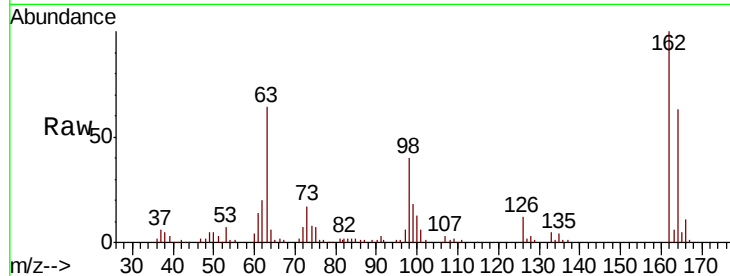
#29
2,4-Dichlorophenol
Concen: 25.681 ng
RT: 9.92 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.6	43.0	83.0
98	40.3	18.3	58.3

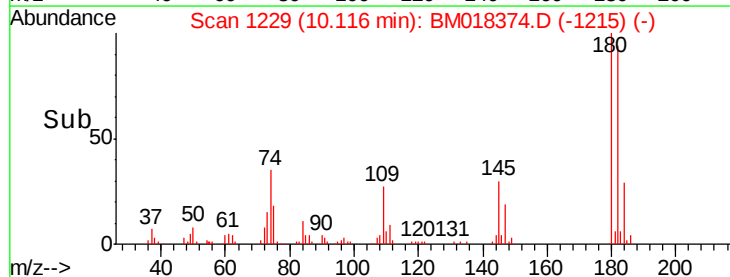
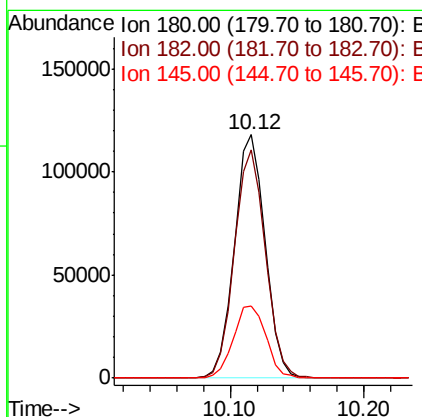
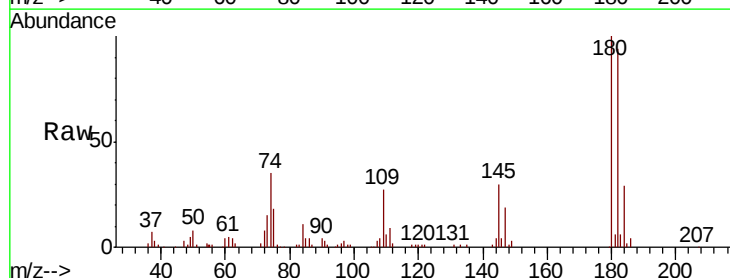
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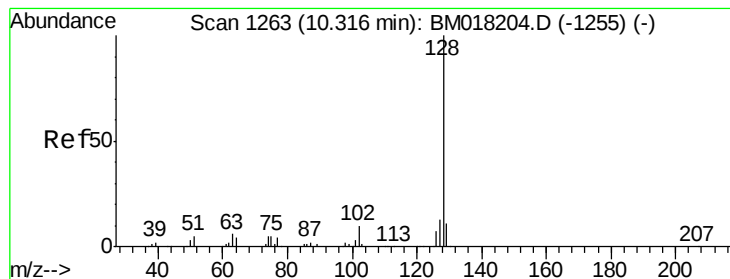
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#30
1,2,4-Trichlorobenzene
Concen: 25.836 ng
RT: 10.12 min Scan# 1229
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.9	71.4	107.2
145	29.8	24.4	36.6





#31

Naphthalene

Concen: 25.906 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

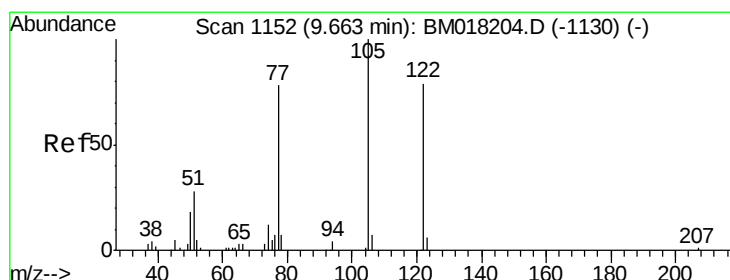
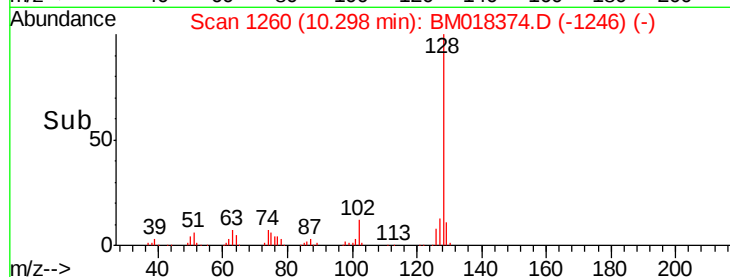
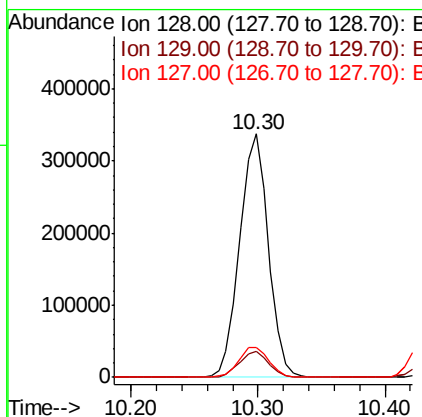
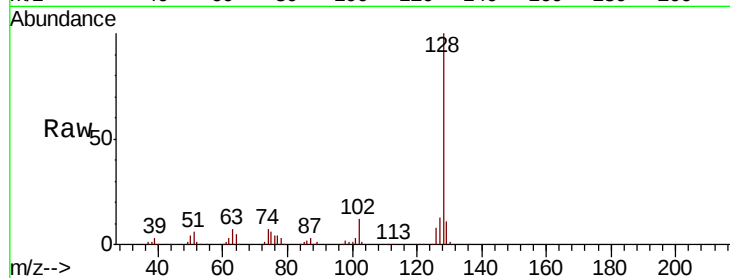
ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:	128	Resp:	530627
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	12.5	10.4	15.6

Manual Integrations
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#32

Benzoic acid

Concen: 7.054 ng m

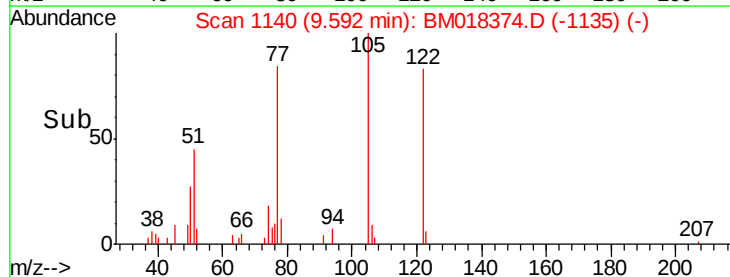
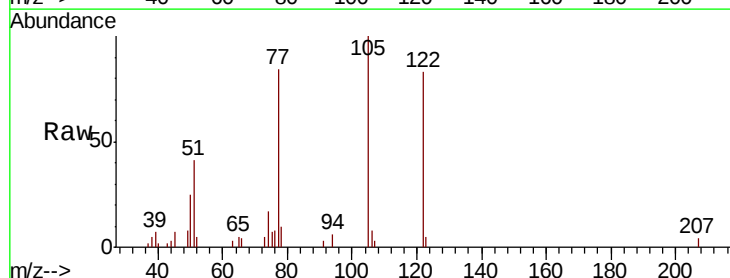
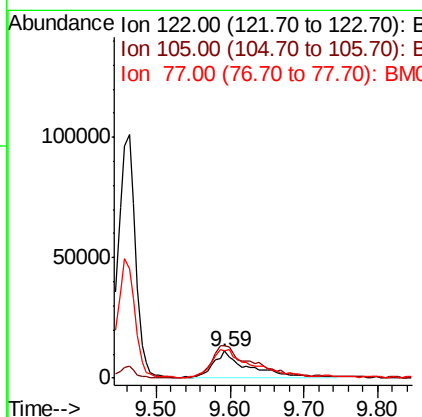
RT: 9.59 min Scan# 1140

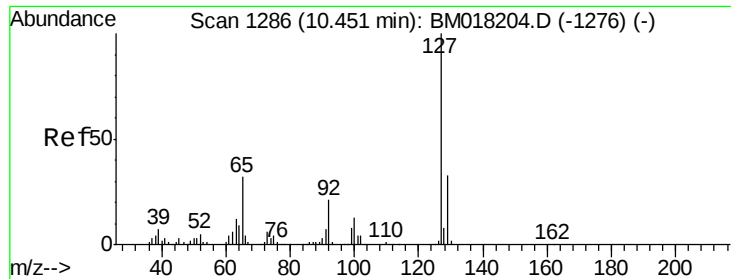
Delta R.T. -0.07 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	122	Resp:	38528
Ion Ratio	Lower	Upper	
122	100		
105	120.6	104.8	144.8
77	101.7	77.7	117.7





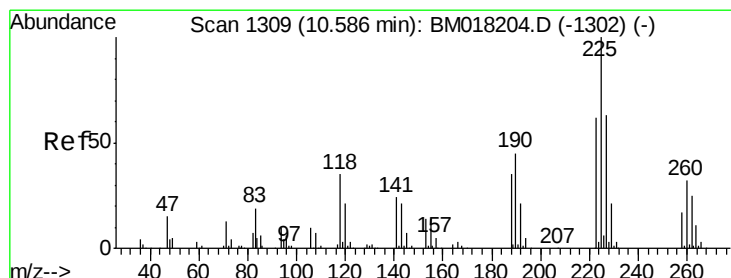
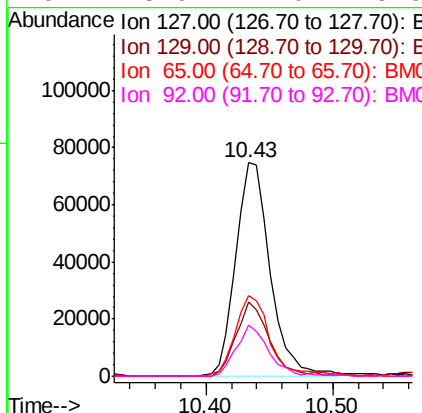
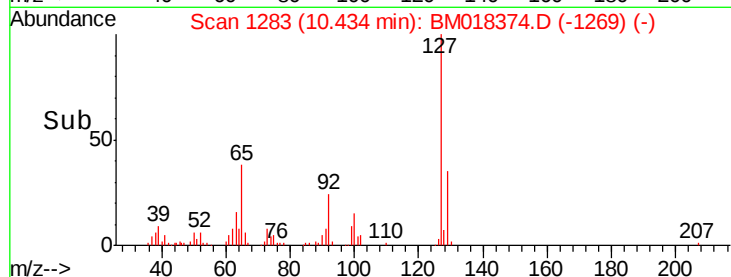
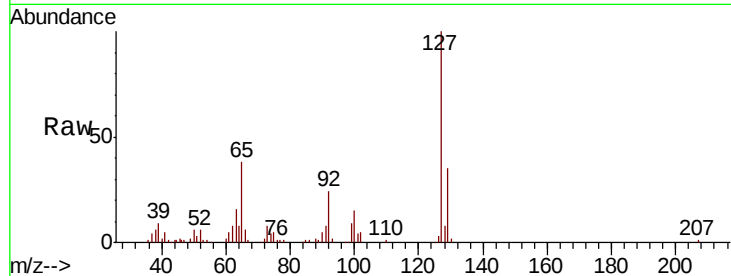
#33
4-Chloroaniline
Concen: 15.681 ng
RT: 10.43 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
127	100		
129	35.0	26.4	39.6
65	38.0	25.6	38.4
92	23.9	17.0	25.6

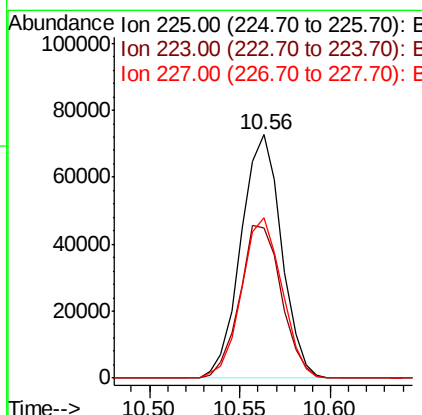
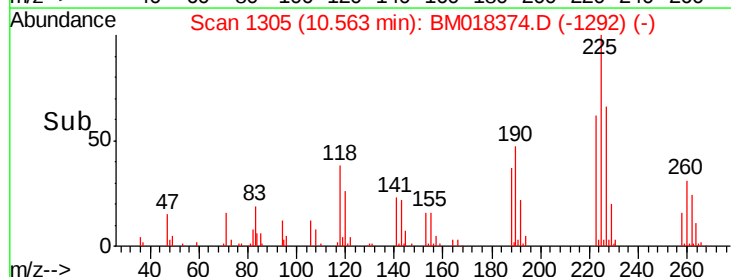
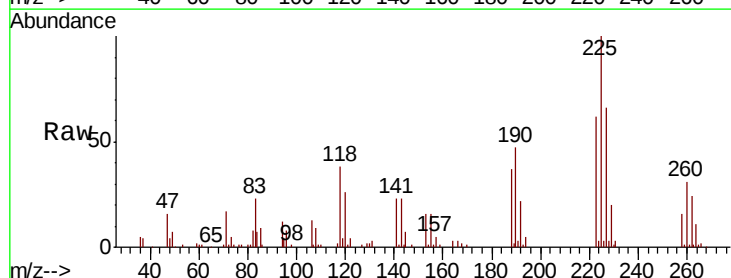
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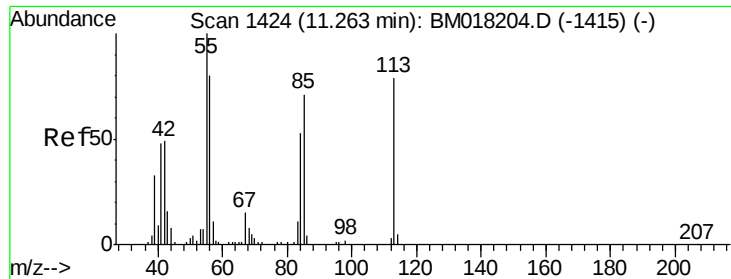
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#34
Hexachlorobutadiene
Concen: 24.555 ng
RT: 10.56 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.8	74.6
227	65.7	50.2	75.4





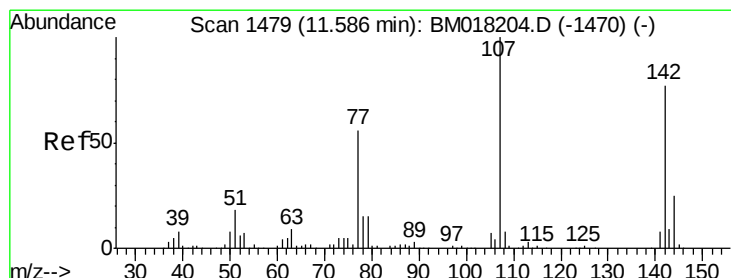
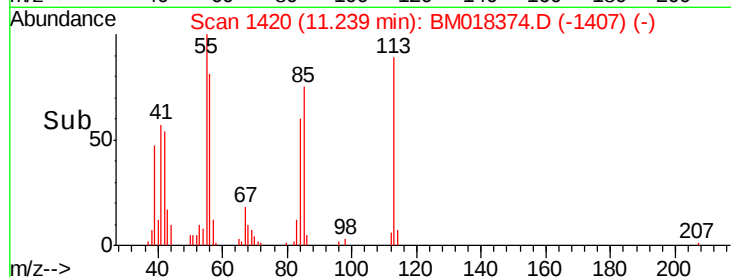
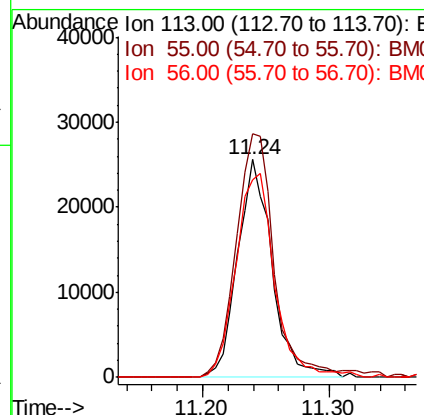
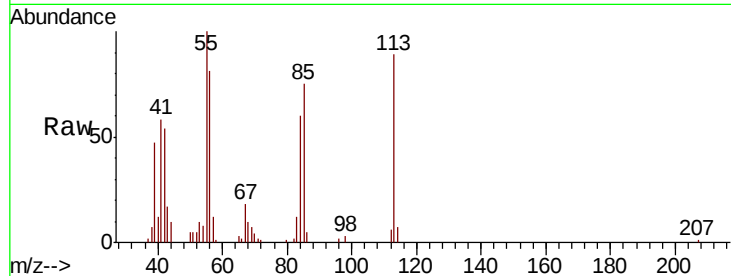
#35
Caprolactam
Concen: 19.824 ng
RT: 11.24 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	111.9	105.9	145.9
56	90.8	80.1	120.1

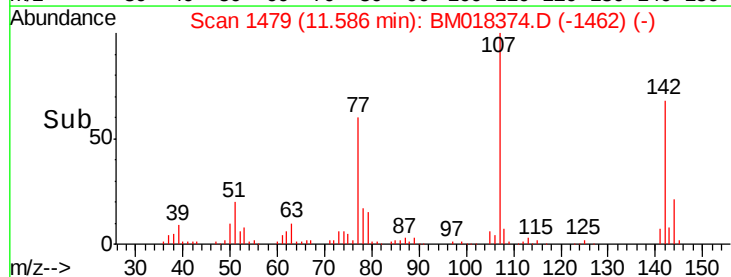
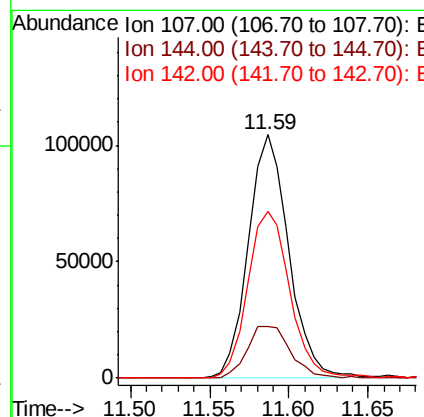
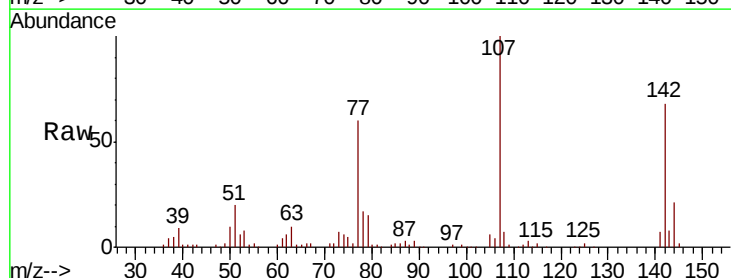
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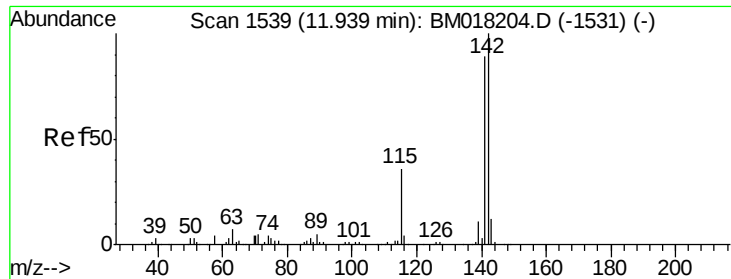
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#36
4-Chloro-3-methylphenol
Concen: 24.075 ng
RT: 11.59 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.3	20.1	30.1
142	68.4	61.7	92.5





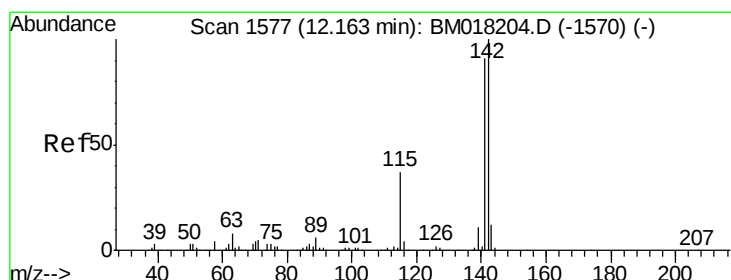
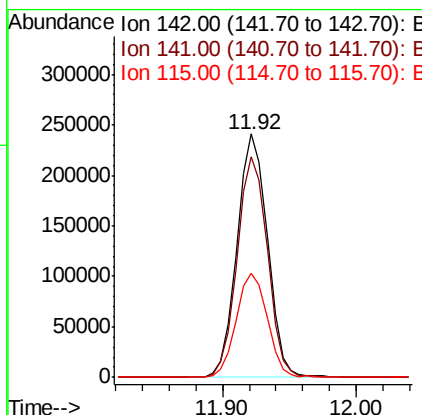
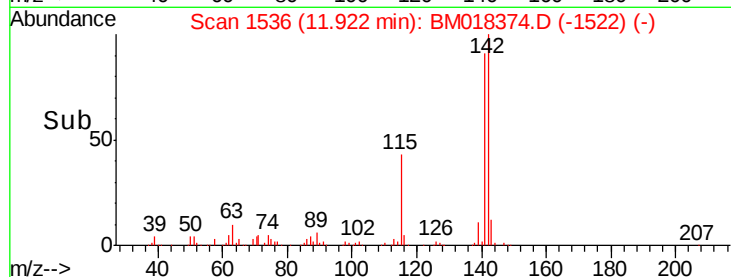
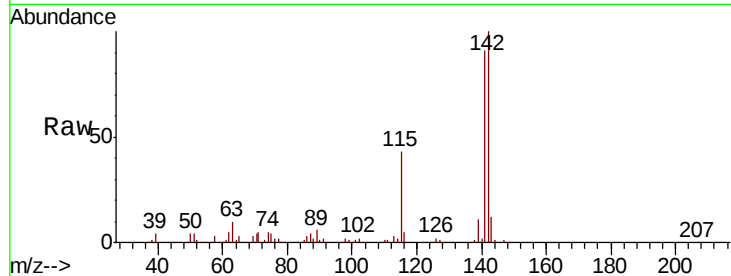
#37
2-Methylnaphthalene
Concen: 26.418 ng
RT: 11.92 min Scan# 1536
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.4	107.2
115	42.9	29.0	43.6

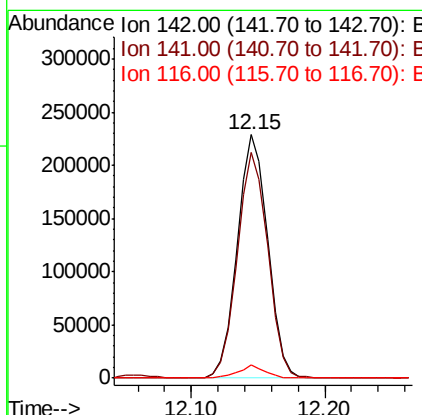
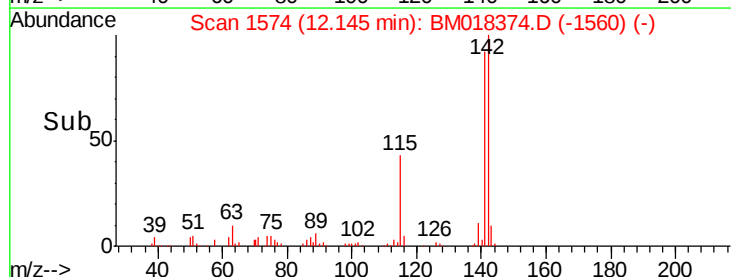
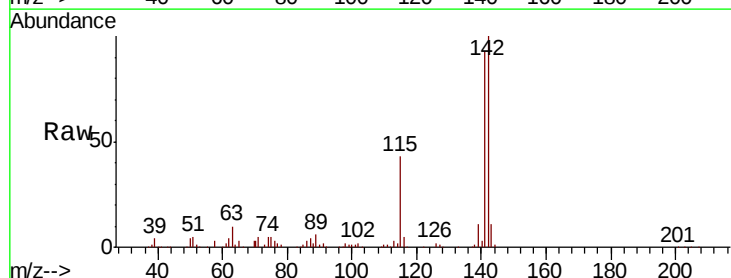
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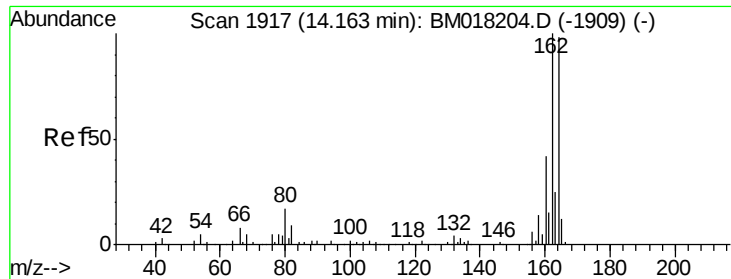
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#38
1-Methylnaphthalene
Concen: 25.556 ng
RT: 12.15 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.0	109.4
116	5.5	3.0	4.6#





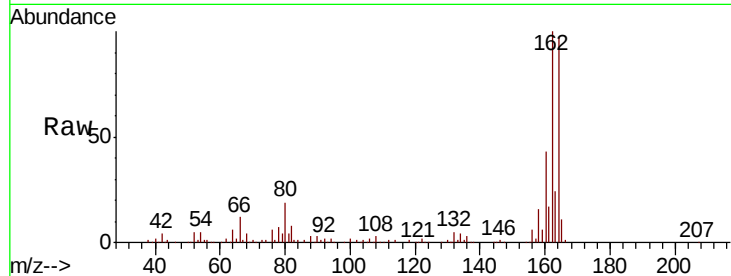
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.15 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	44.7	34.6	51.8

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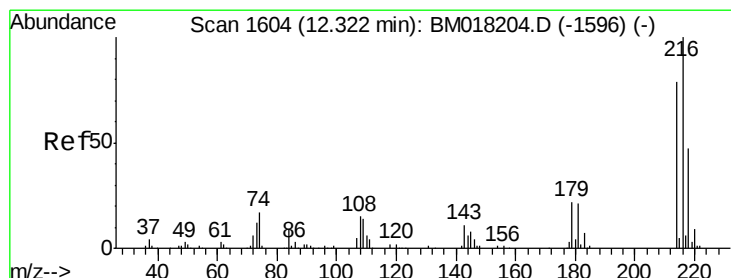
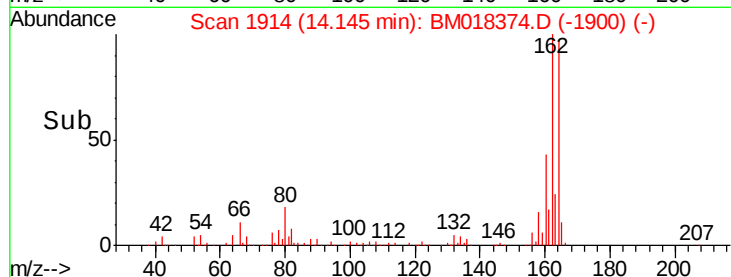
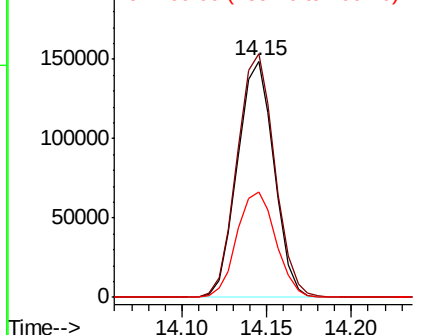


Abundance

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: 26.258 ng
RT: 12.30 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.4	95.0
179	22.7	17.2	25.8
108	18.4	14.6	21.8

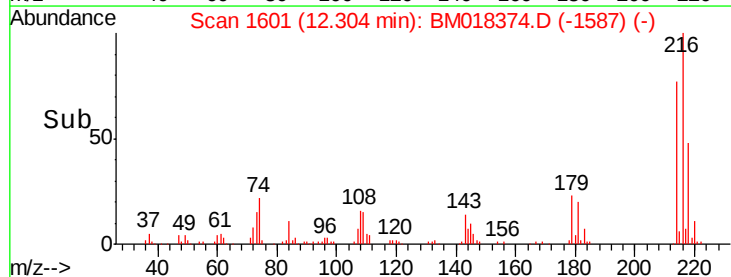
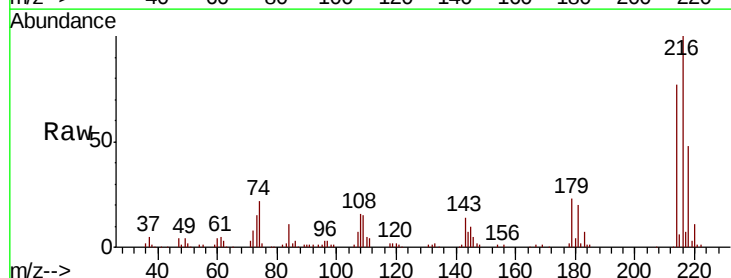
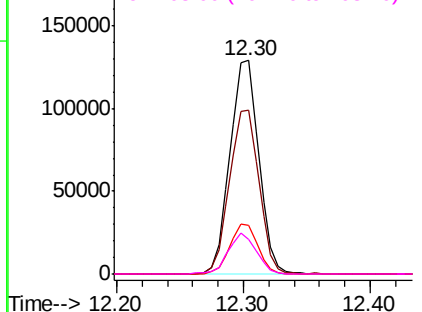
Abundance

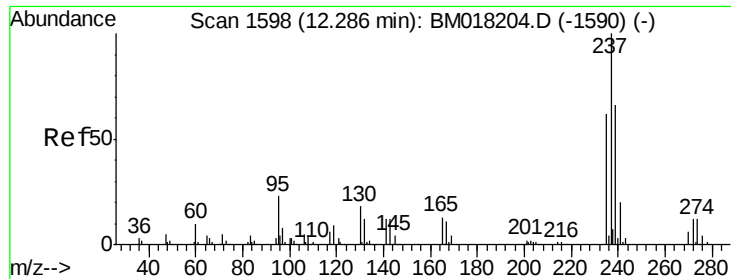
Ion 216.00 (215.70 to 216.70): E

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: 9.711 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

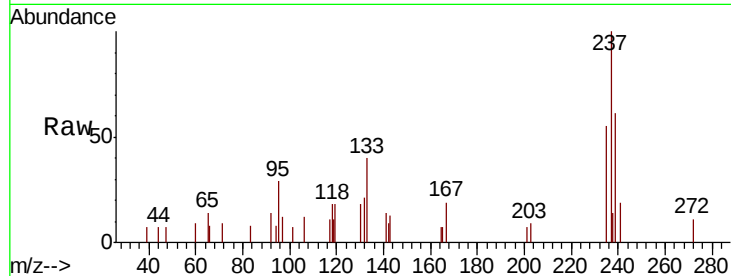
ClientSampleId :

SOIL-CUTTINGSMS

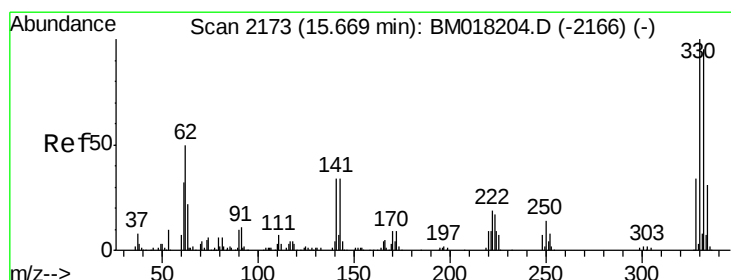
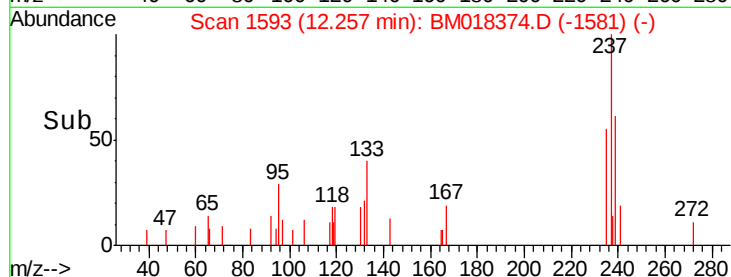
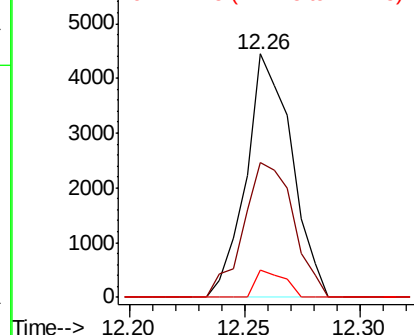
Tot Ion:	237	Resp:	6108
Ion Ratio	Lower	Upper	
237	100		
235	55.3	42.1	82.1
272	11.2	0.0	32.1

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



#42

2,4,6-Tribromophenol

Concen: 60.602 ng

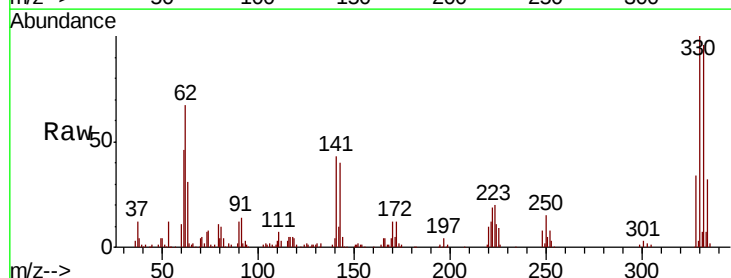
RT: 15.66 min Scan# 2171

Delta R.T. -0.01 min

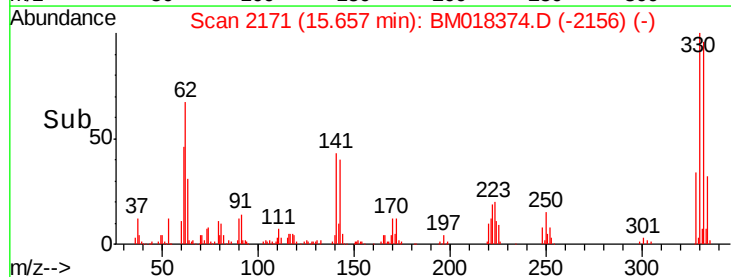
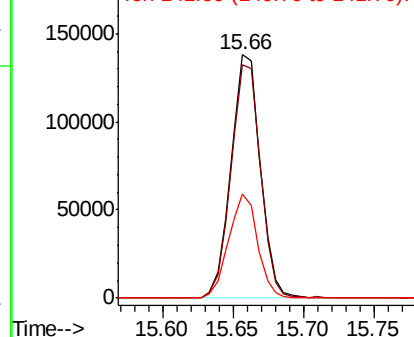
Lab File: BM018374.D

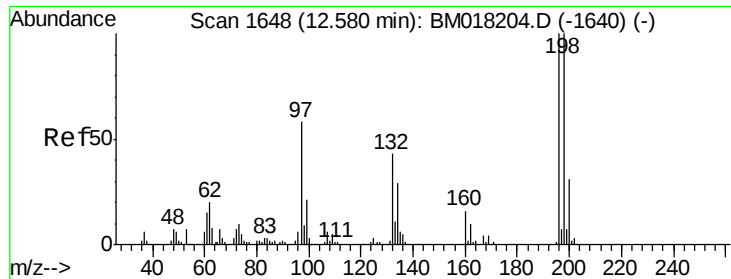
Acq: 22 Dec 2018 01:30

Tgt Ion:	330	Resp:	200037
Ion Ratio	Lower	Upper	
330	100		
332	96.5	78.6	118.0
141	42.1	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





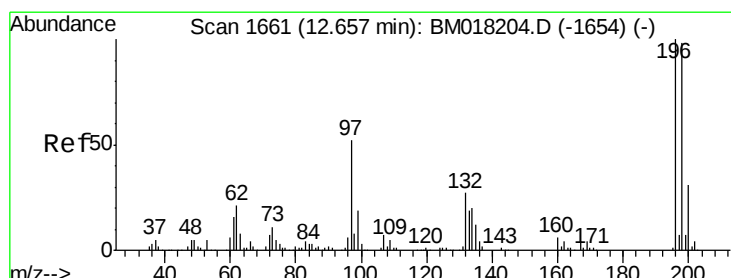
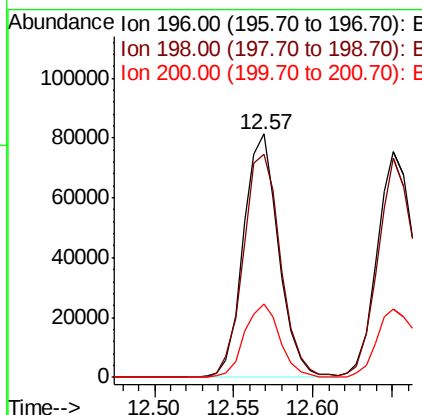
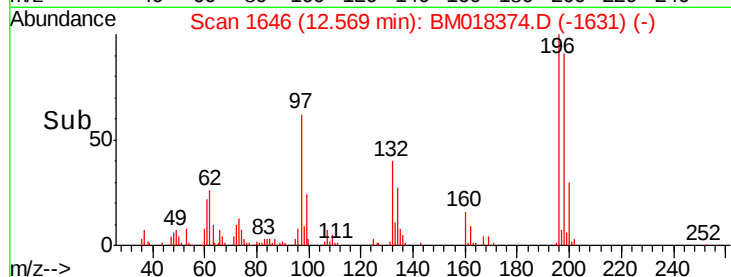
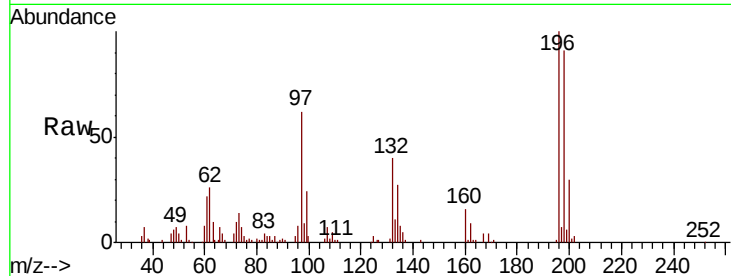
#43
 2,4,6-Trichlorophenol
 Concen: 25.281 ng
 RT: 12.57 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion:	196	Resp:	125746
Ion Ratio	Lower	Upper	
196	100		
198	91.4	80.1	120.1
200	30.0	24.9	37.3

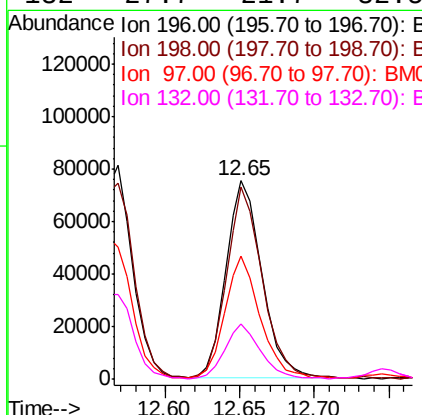
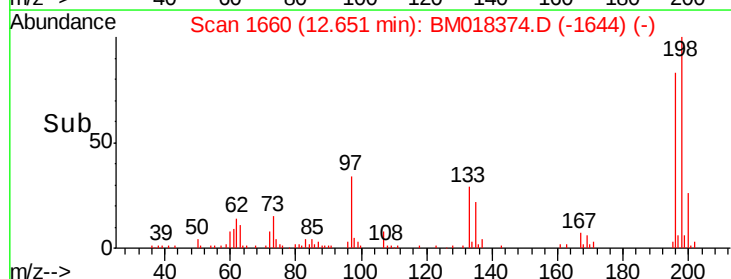
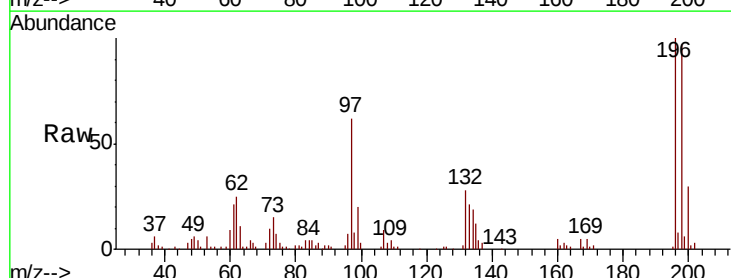
Manual Integrations
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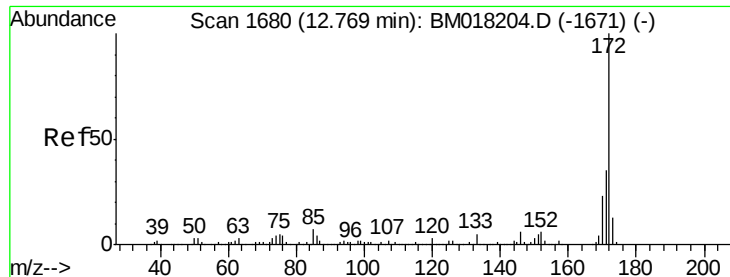
Sohil
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#44
 2,4,5-Trichlorophenol
 Concen: 23.896 ng
 RT: 12.65 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion:	196	Resp:	126184
Ion Ratio	Lower	Upper	
196	100		
198	97.1	78.5	117.7
97	62.1	41.9	62.9
132	27.7	21.7	32.5





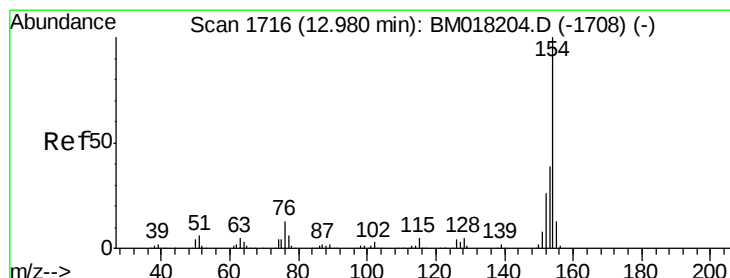
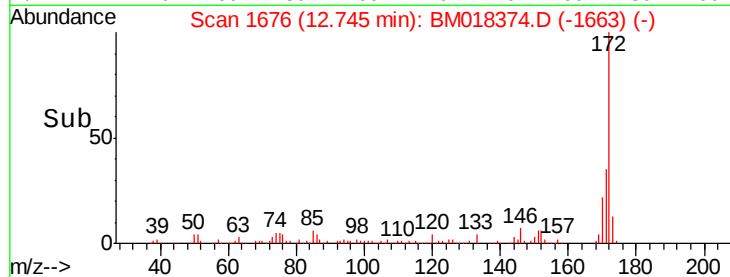
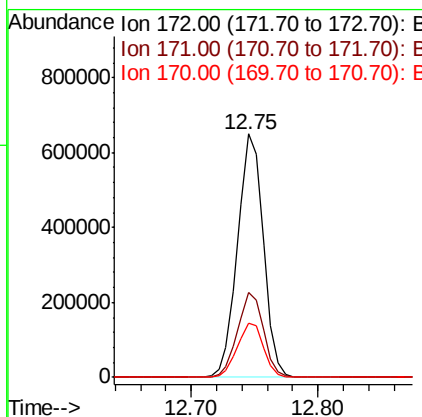
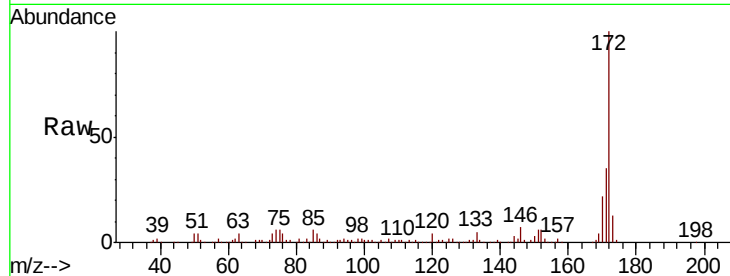
#45
2-Fluorobiphenyl
Concen: 52.591 ng
RT: 12.75 min Scan# 1676
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	22.2	18.1	27.1

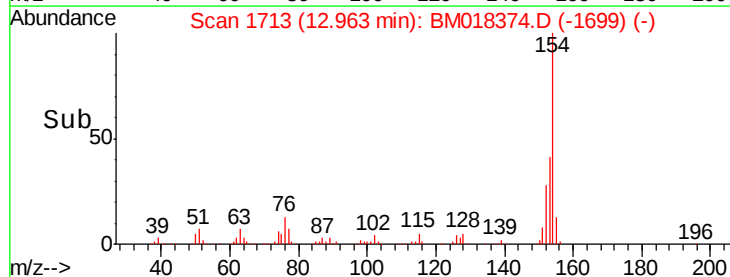
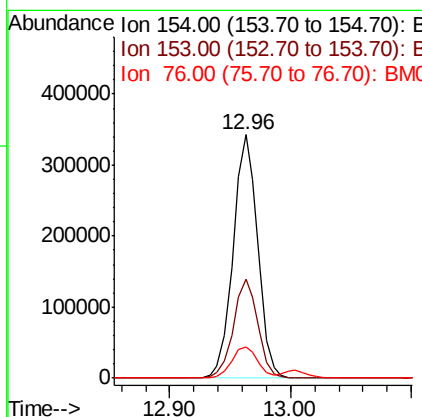
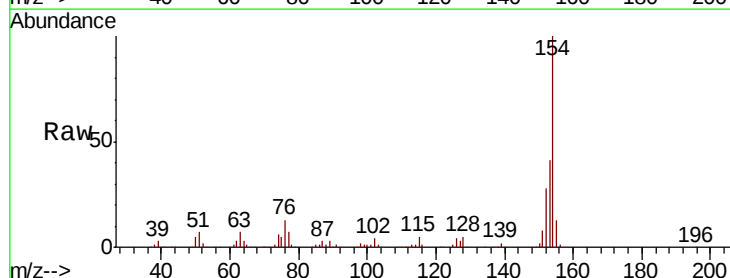
Manual Integrations
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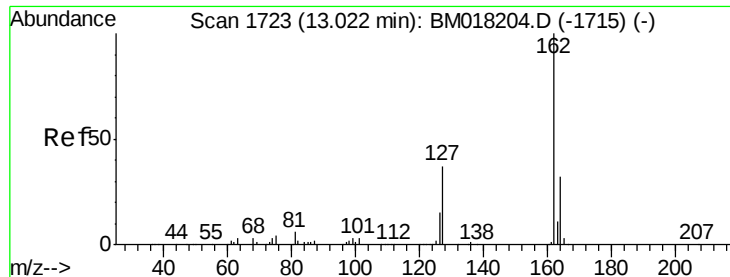
Sohil
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#46
1,1'-Biphenyl
Concen: 23.958 ng
RT: 12.96 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	19.5	59.5
76	12.8	0.0	33.1





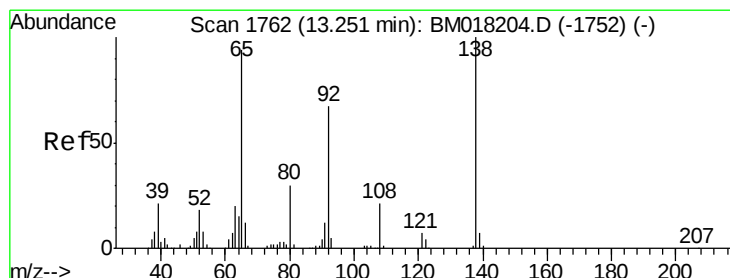
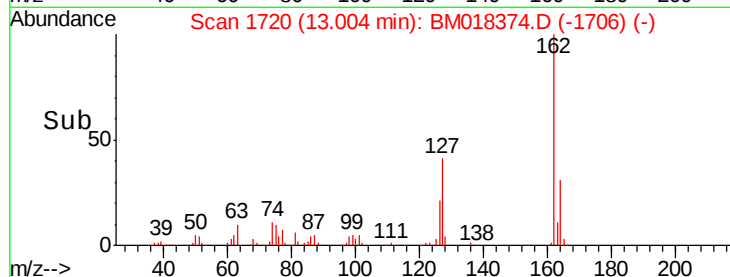
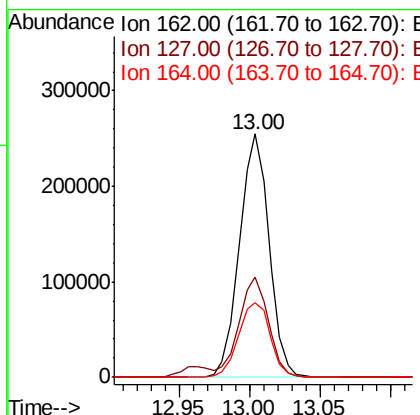
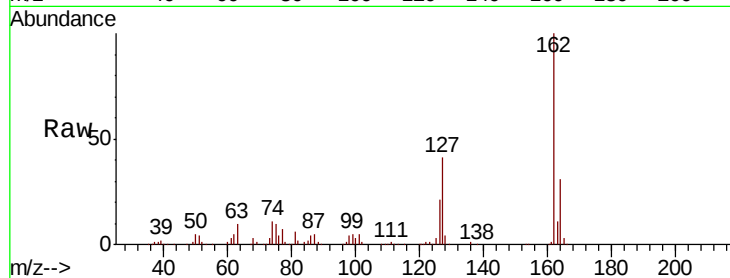
#47
2-Chloronaphthalene
Concen: 25.037 ng
RT: 13.00 min Scan# 1720
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	31.8	47.8
164	30.6	25.9	38.9

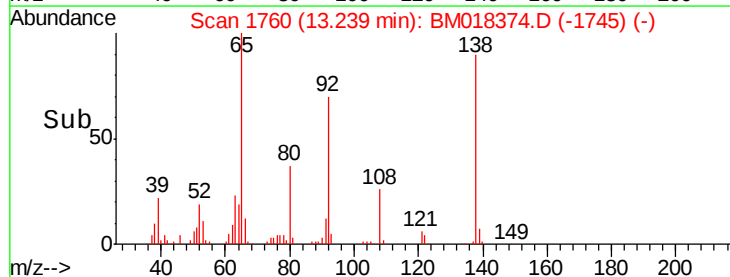
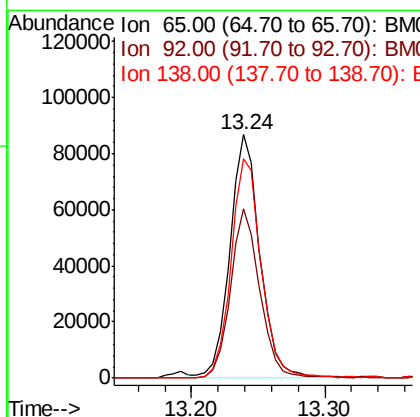
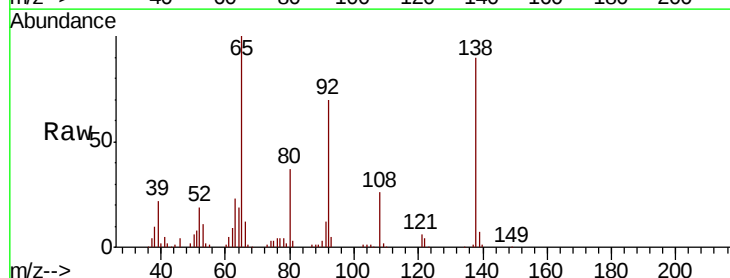
Manual Integrations
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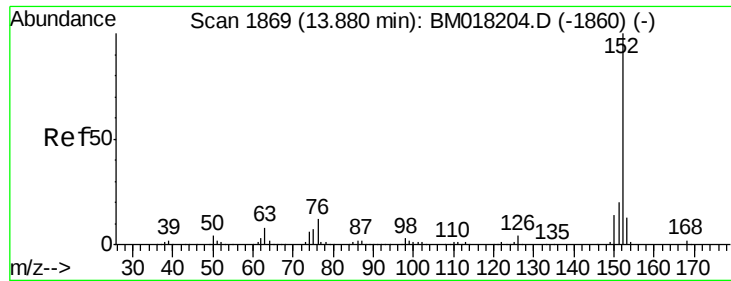
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#48
2-Nitroaniline
Concen: 29.532 ng
RT: 13.24 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.8	85.2
138	90.3	85.1	127.7





#49

Acenaphthylene

Concen: 25.720 ng

RT: 13.86 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

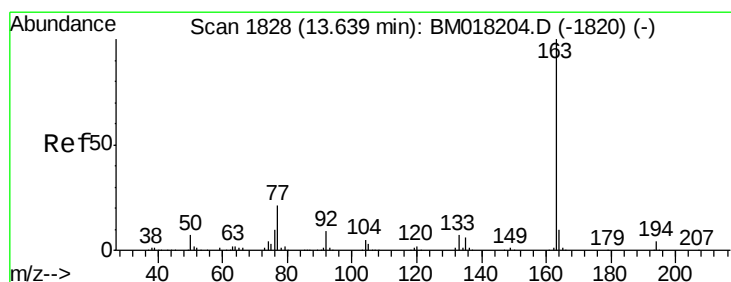
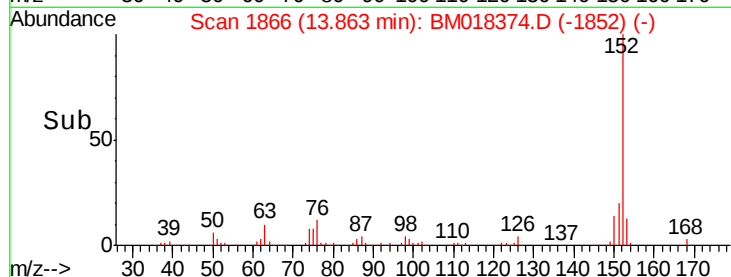
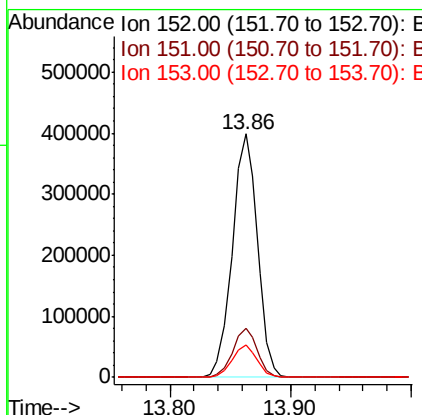
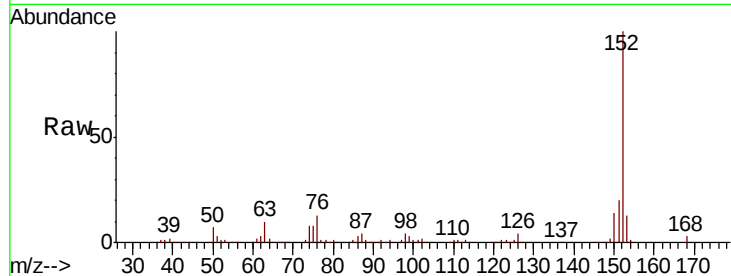
ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:	152	Resp:	577169
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.0	24.0
153	13.2	10.2	15.2

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#50

Dimethylphthalate

Concen: 29.635 ng

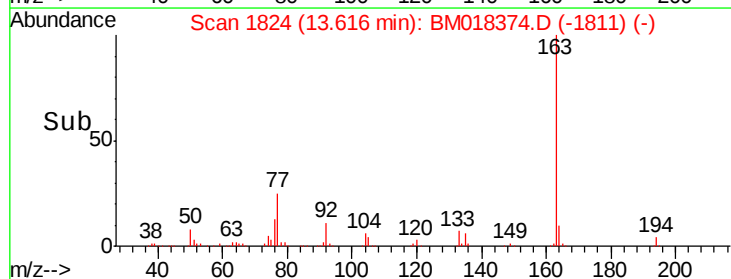
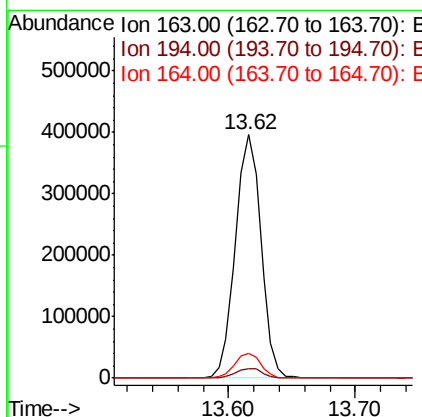
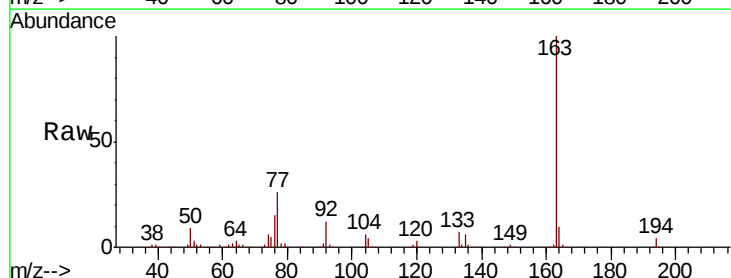
RT: 13.62 min Scan# 1824

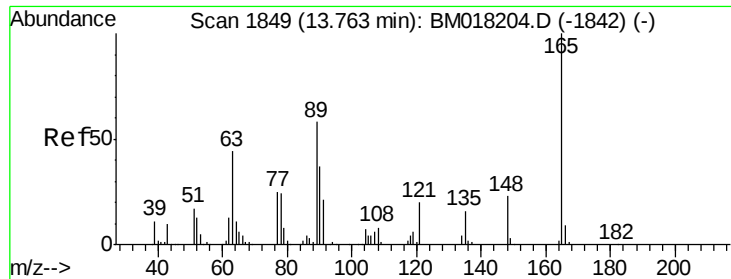
Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	163	Resp:	554091
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	10.3	7.9	11.9





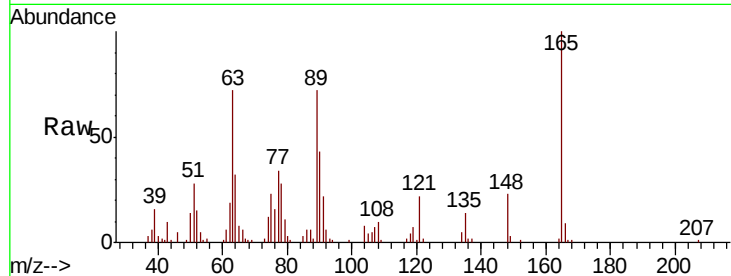
#51
2,6-Dinitrotoluene
Concen: 20.301 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

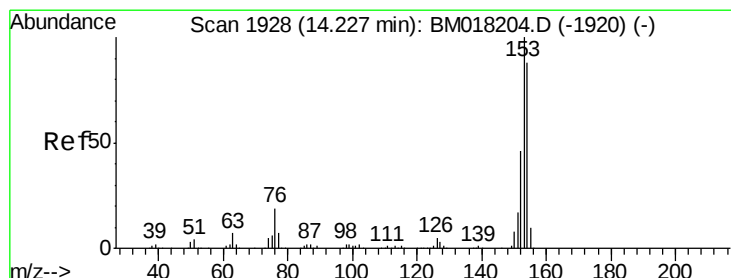
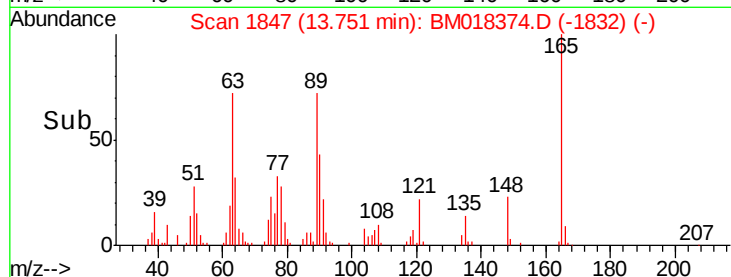
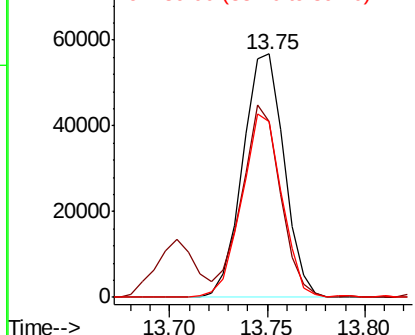
Tot Ion	Ratio	Lower	Upper
165	100		
63	72.1	46.6	69.8#
89	72.2	46.3	69.5#

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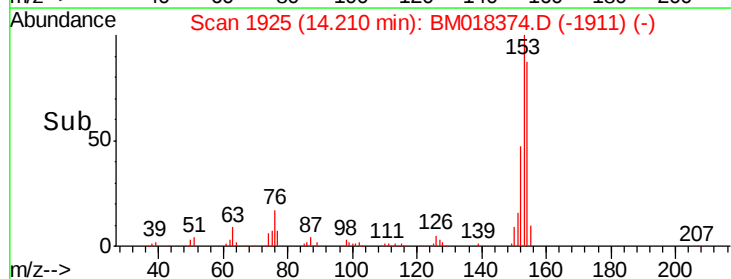
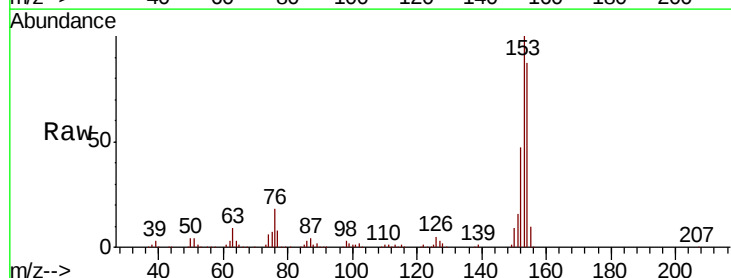
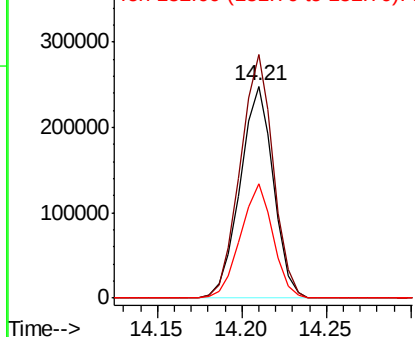
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0

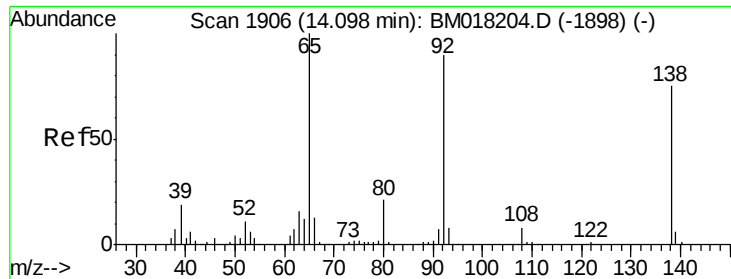


#52
Acenaphthene
Concen: 24.802 ng
RT: 14.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.4	135.6
152	53.7	41.2	61.8

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





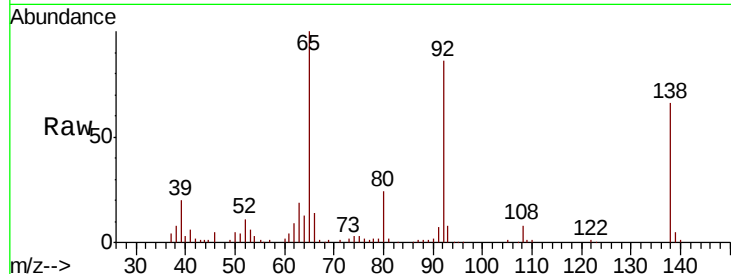
#53
 3-Nitroaniline
 Concen: 23.913 ng
 RT: 14.09 min Scan# 1904
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.2	8.4	12.6
92	131.3	94.9	142.3

Manual Integrations
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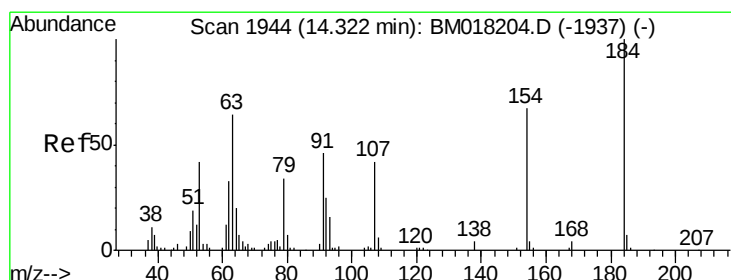
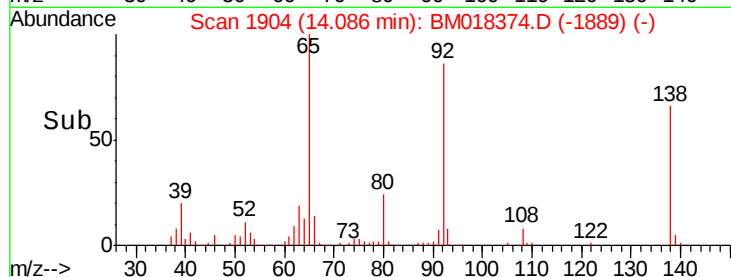
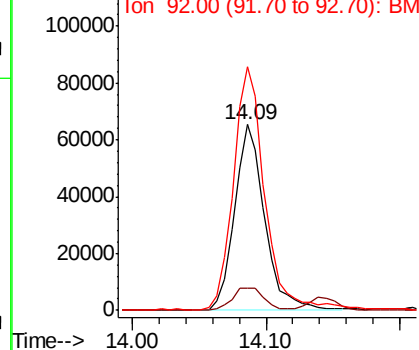


Abundance

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: 0.056 ng
 RT: 14.33 min Scan# 1946
 Delta R.T. 0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

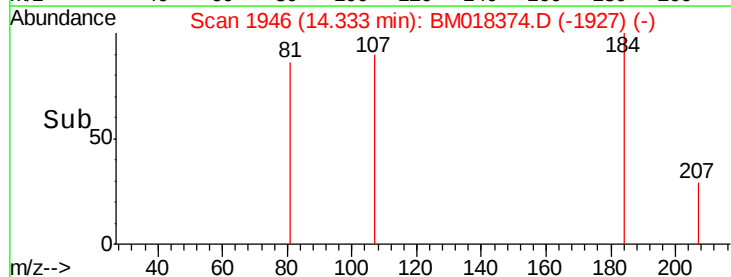
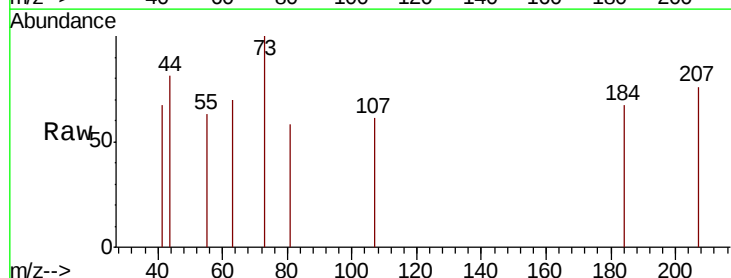
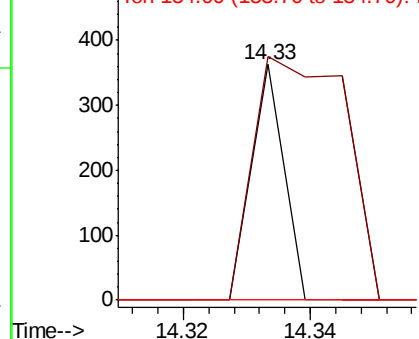
Tgt Ion	Ratio	Lower	Upper
184	100		
63	103.3	51.6	77.4#
154	0.0	54.0	81.0#

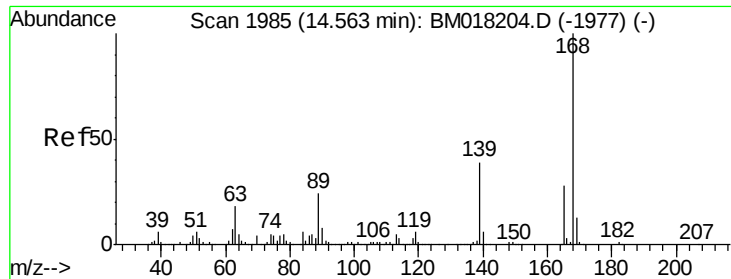
Abundance

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





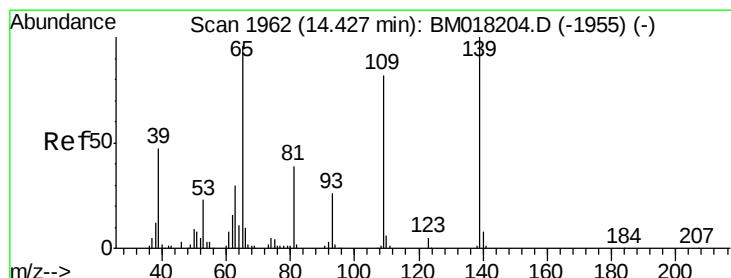
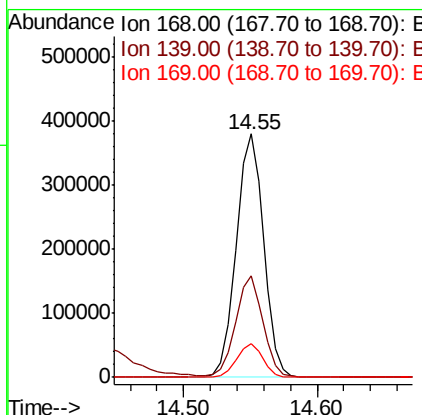
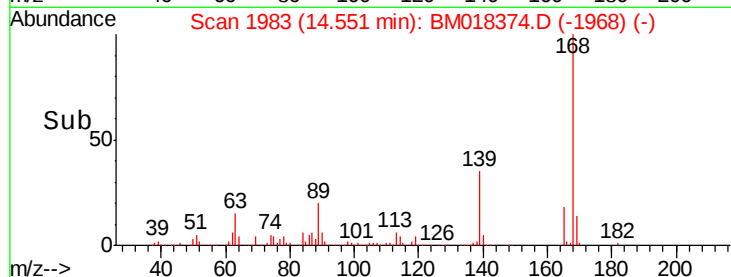
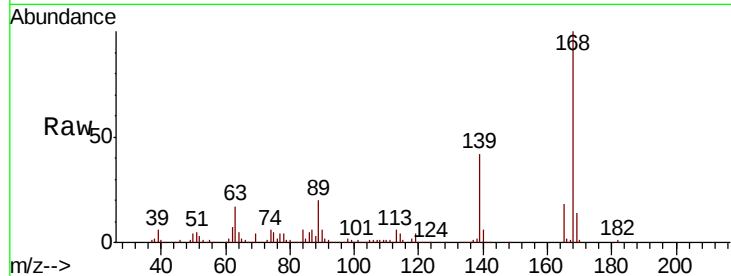
#55
Dibenzofuran
Concen: 24.464 ng
RT: 14.55 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.2	46.8
169	13.9	10.4	15.6

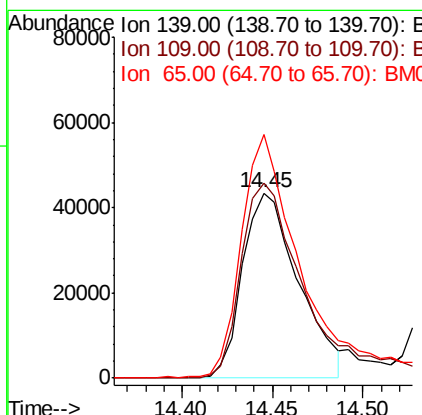
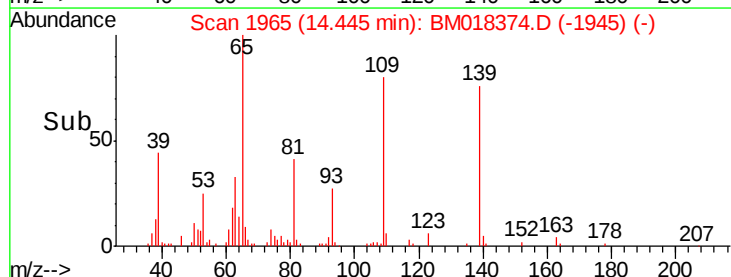
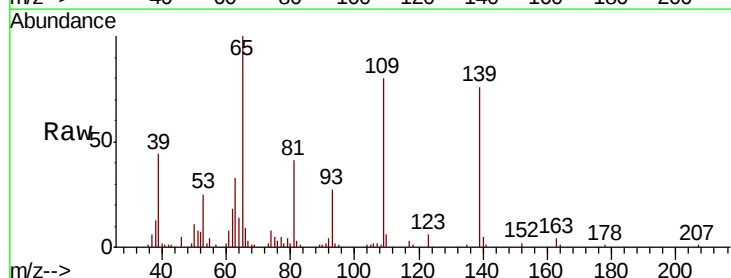
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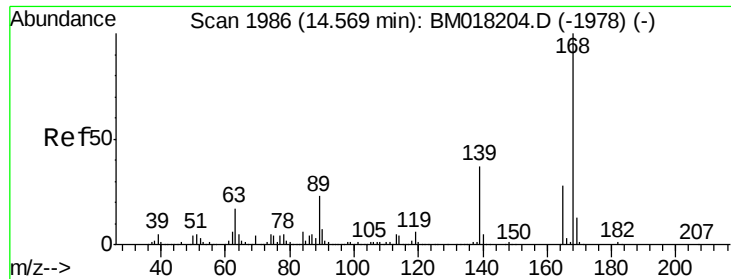
Sohil
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#56
4-Nitrophenol
Concen: 28.575 ng
RT: 14.45 min Scan# 1965
Delta R.T. 0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	105.1	62.3	102.3#
65	131.7	76.4	116.4#





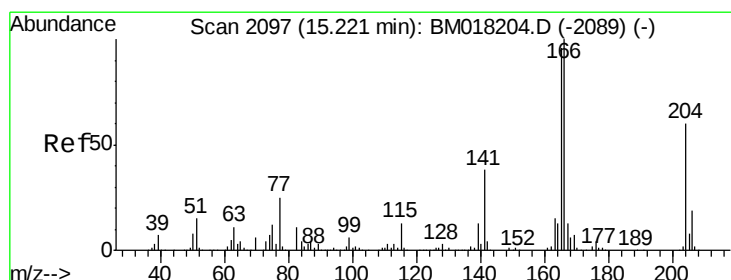
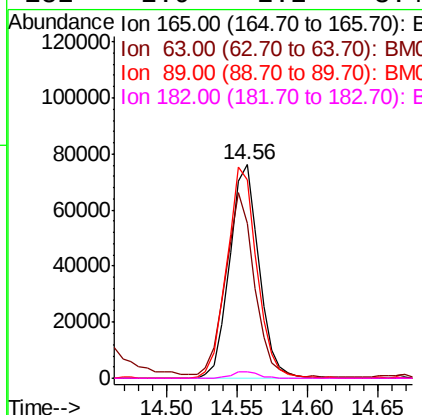
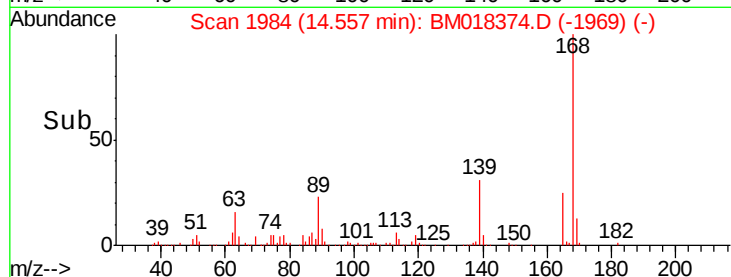
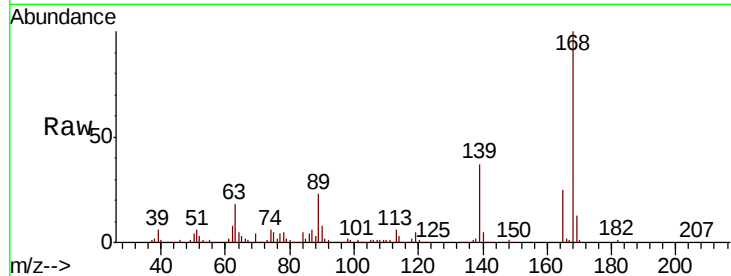
#57
2,4-Dinitrotoluene
Concen: 19.432 ng
RT: 14.56 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	72.6	47.2	70.8	
89	92.7	65.8	98.8	
182	2.9	2.2	3.4	

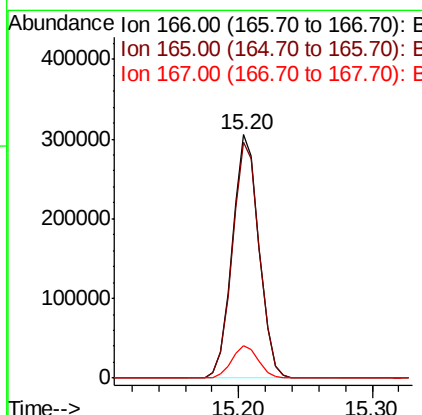
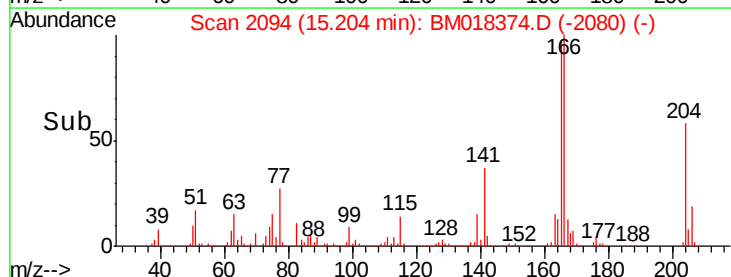
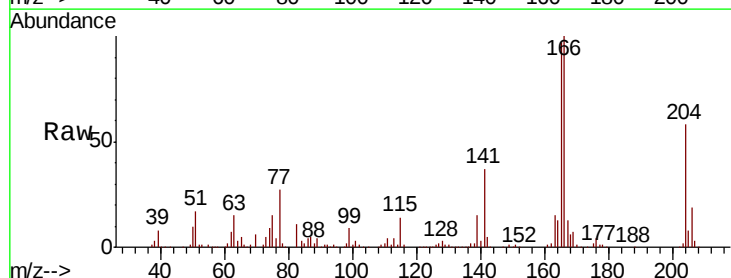
Manual Integrations
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#58
Fluorene
Concen: 24.915 ng
RT: 15.20 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.1	76.9	115.3	
167	13.3	10.5	15.7	





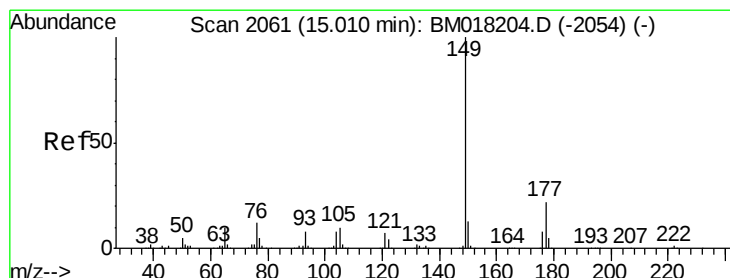
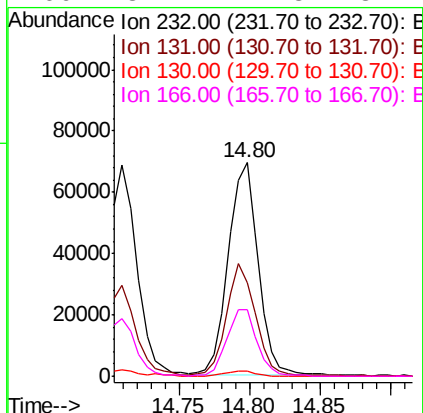
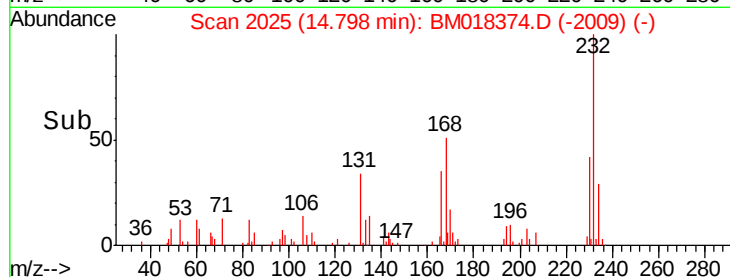
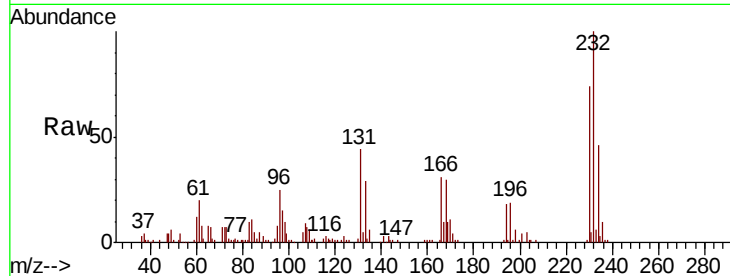
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.340 ng
RT: 14.80 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion:	232	Resp:	101487
Ion Ratio	Lower	Upper	
232	100		
131	50.1	36.2	54.2
130	2.6	1.8	2.6
166	32.2	24.8	37.2

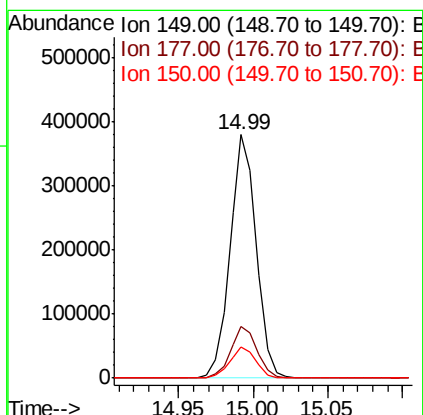
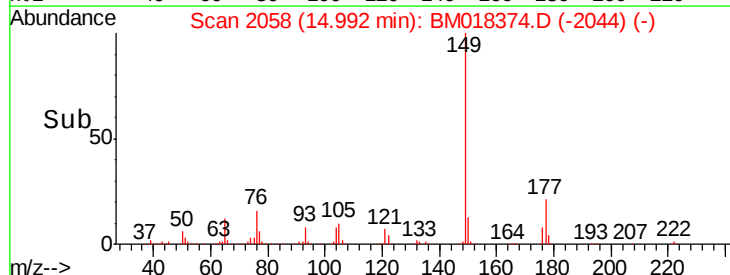
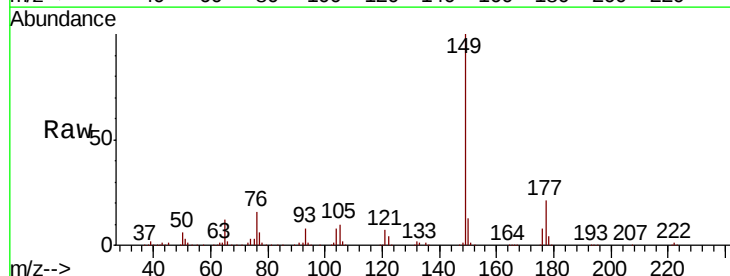
Manual Integrations
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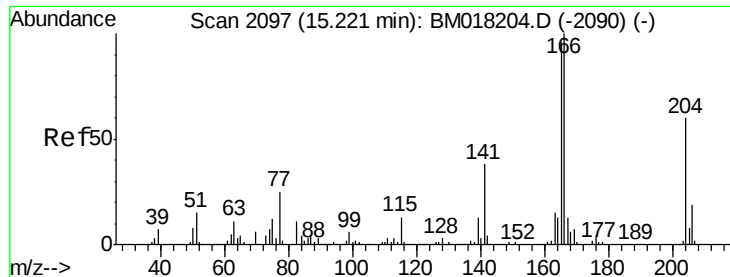
Sohil
12/26/2018 3:20:23 PM



#60
Diethylphthalate
Concen: 23.042 ng
RT: 14.99 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion:	149	Resp:	464917
Ion Ratio	Lower	Upper	
149	100		
177	21.2	17.8	26.8
150	12.6	10.3	15.5





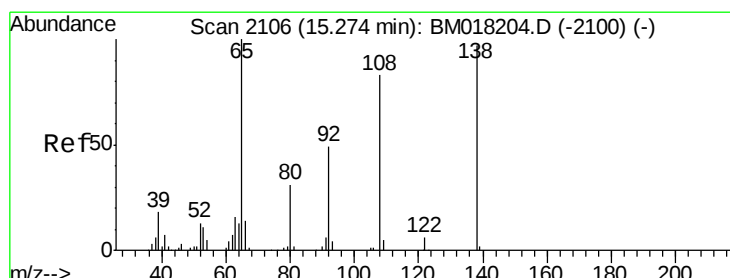
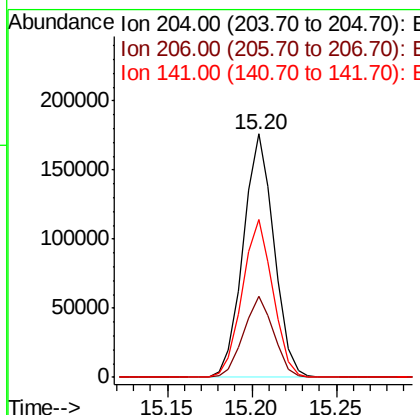
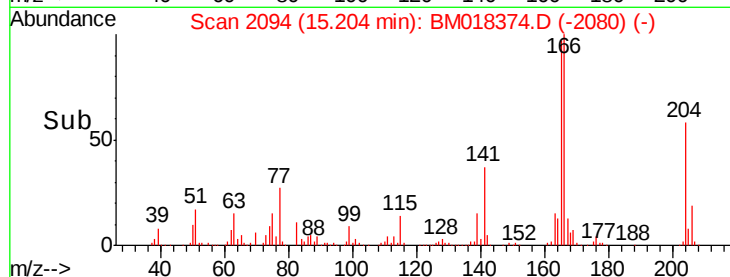
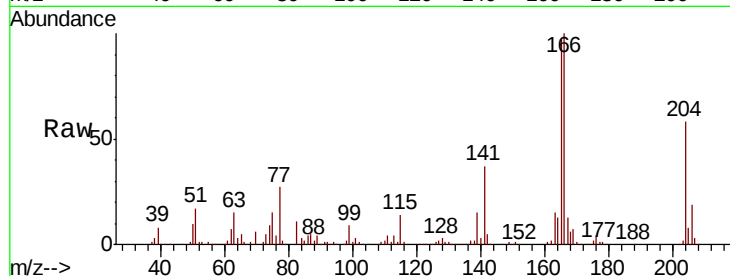
#61
4-Chlorophenyl-phenylether
Concen: 23.196 ng
RT: 15.20 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	64.9	50.2	75.4

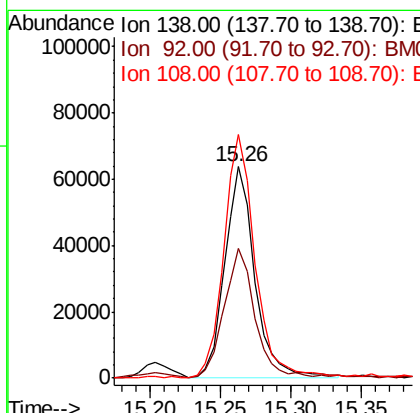
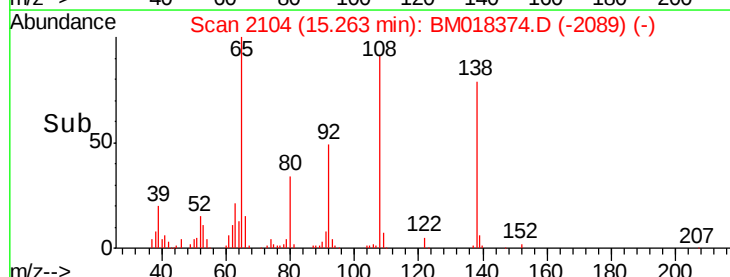
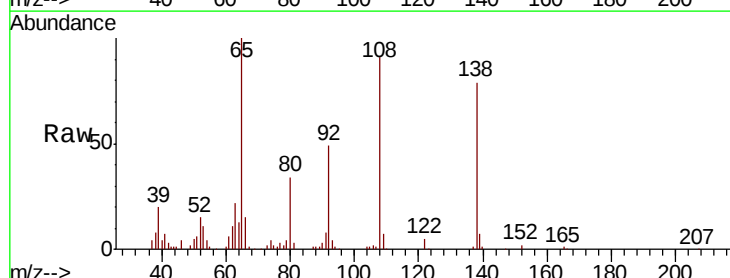
Manual Integrations
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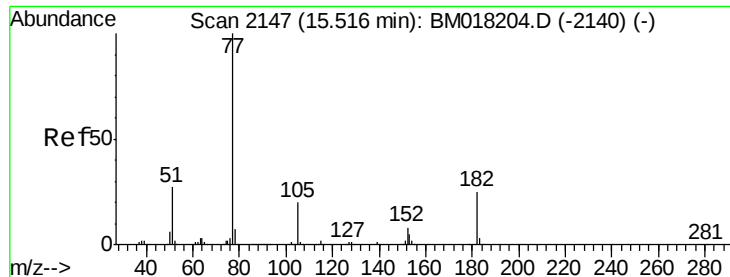
Sohil
12/26/2018 3:20:23 PM



#62
4-Nitroaniline
Concen: 23.180 ng
RT: 15.26 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	61.8	31.1	71.1
108	115.4	65.0	105.0#





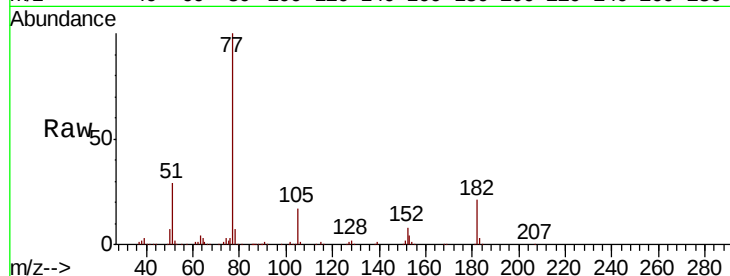
#63
Azobenzene
Concen: 26.139 ng
RT: 15.50 min Scan# 2144
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

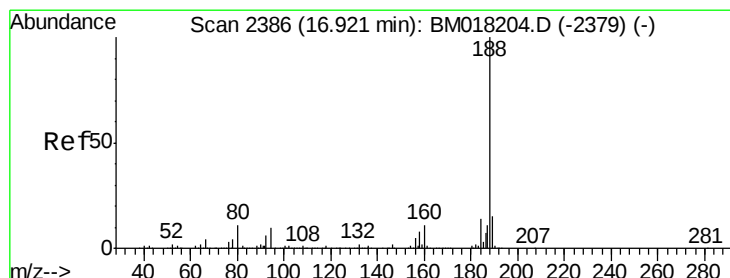
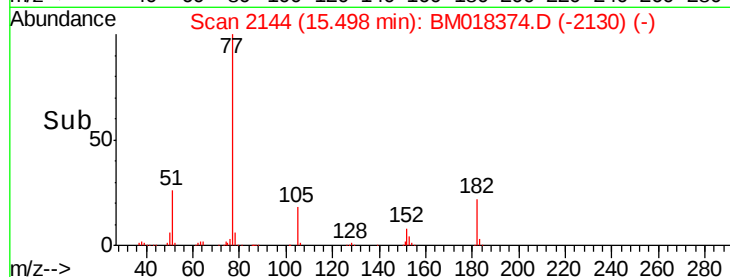
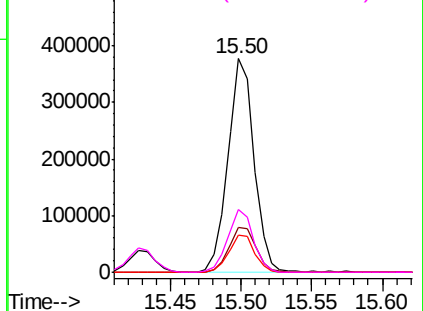
Tot Ion:	77	Resp:	480911
Ion Ratio	Lower	Upper	
77	100		
182	21.3	4.6	44.6
105	17.2	0.2	40.2
51	29.4	7.0	47.0

Manual Integrations
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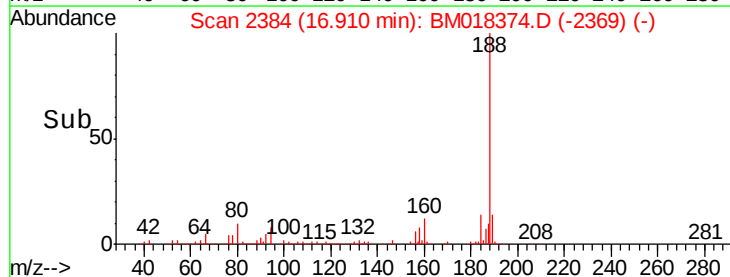
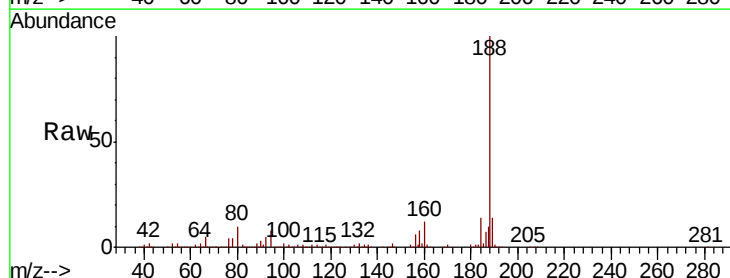
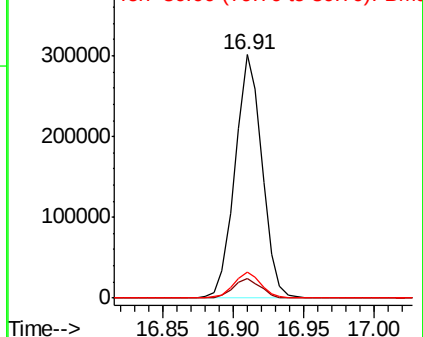
Abundance Ion 77.00 (76.70 to 77.70): BM018374.D (-2140) (-)
Ion 182.00 (181.70 to 182.70): BM018374.D (-2140) (-)
Ion 105.00 (104.70 to 105.70): BM018374.D (-2140) (-)
Ion 51.00 (50.70 to 51.70): BM018374.D (-2140) (-)

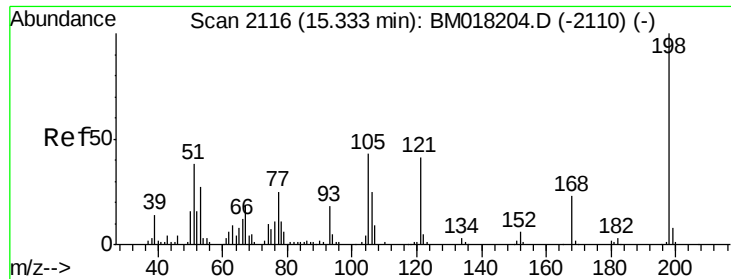


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion:	188	Resp:	402205
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.0	12.0#
80	10.5	9.0	13.6

Abundance Ion 188.00 (187.70 to 188.70): BM018374.D (-2369) (-)
Ion 94.00 (93.70 to 94.70): BM018374.D (-2369) (-)
Ion 80.00 (79.70 to 80.70): BM018374.D (-2369) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 0.366 ng

RT: 15.34 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:198 Resp: 1085

Ion Ratio Lower Upper

198 100

51 58.5 18.6 58.6

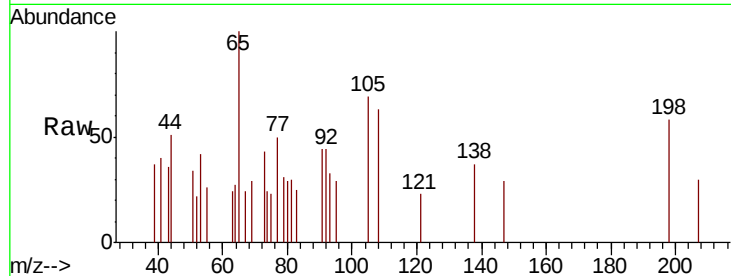
105 119.2 22.9 62.9#

Manual Integrations

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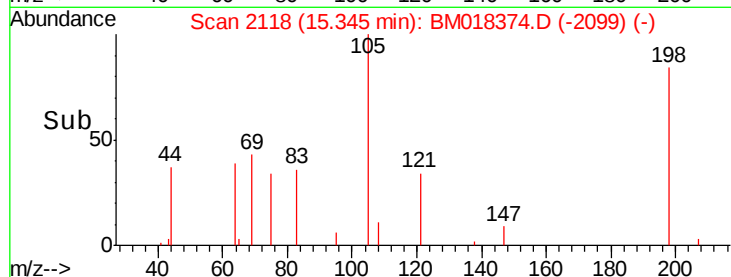


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

Time-->

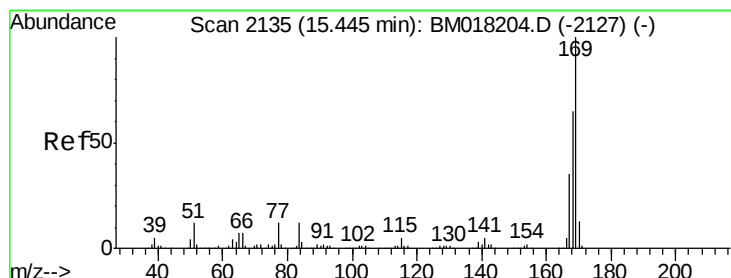


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

Time-->



#66

n-Nitrosodiphenylamine

Concen: 27.498 ng

RT: 15.43 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

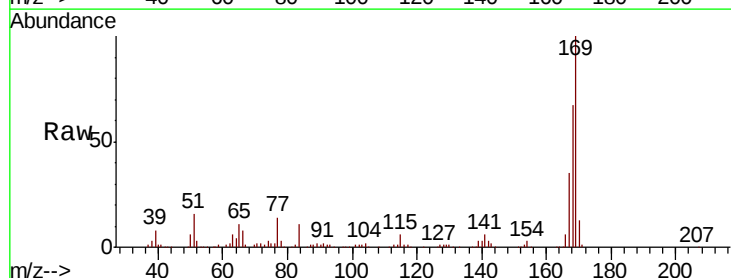
Tgt Ion:169 Resp: 365724

Ion Ratio Lower Upper

169 100

168 67.3 52.2 78.4

167 34.7 27.6 41.4

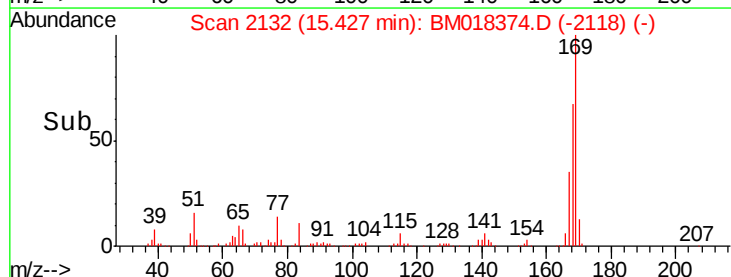


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



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

Time-->



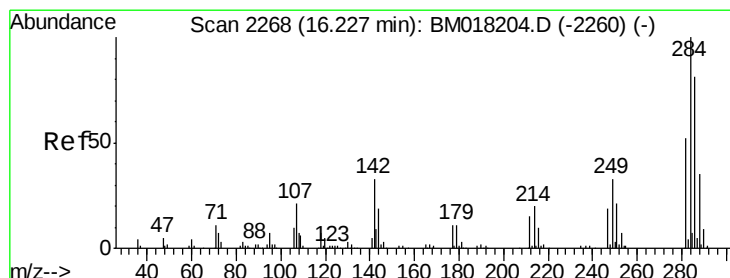
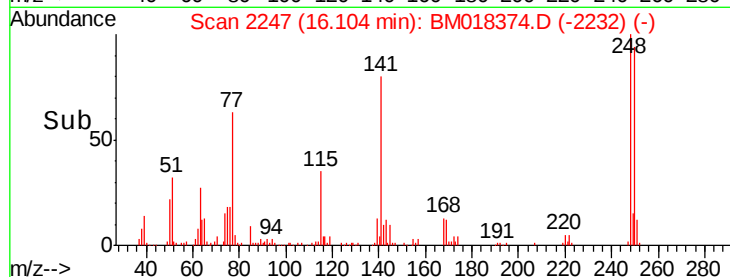
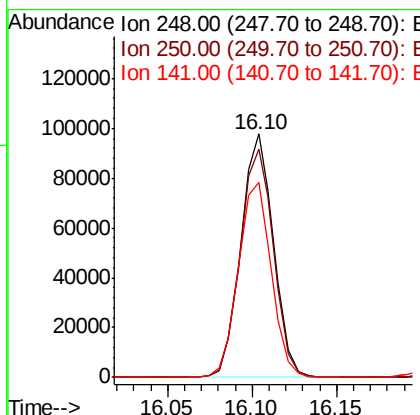
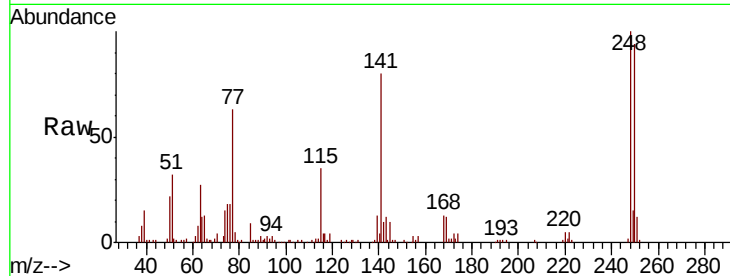
#67
4-Bromophenyl-phenylether
Concen: 26.900 ng
RT: 16.10 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.0	78.7	118.1
141	79.9	62.2	93.4

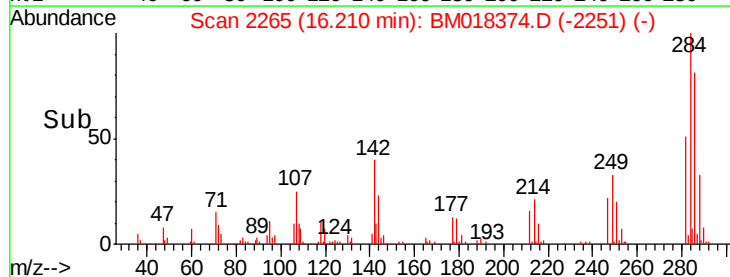
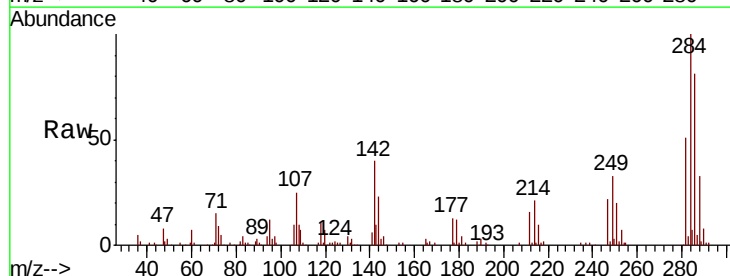
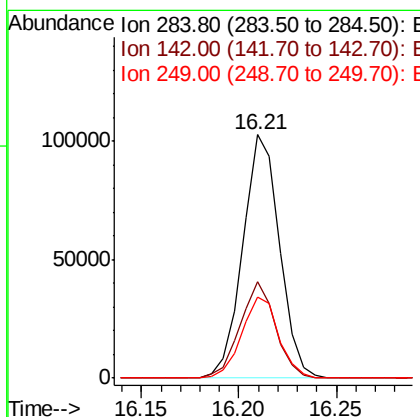
Manual Integrations
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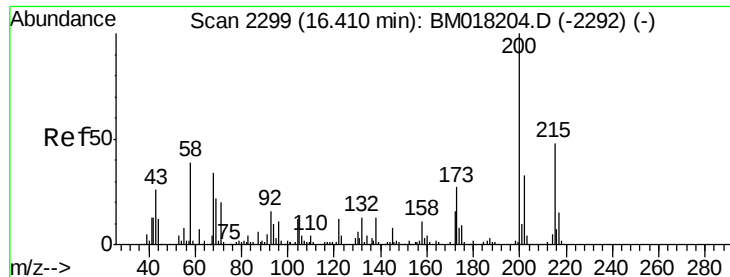
Sohil
12/26/2018 3:20:23 PM



#68
Hexachlorobenzene
Concen: 25.079 ng
RT: 16.21 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.8	26.2	39.4#
249	33.5	26.2	39.2





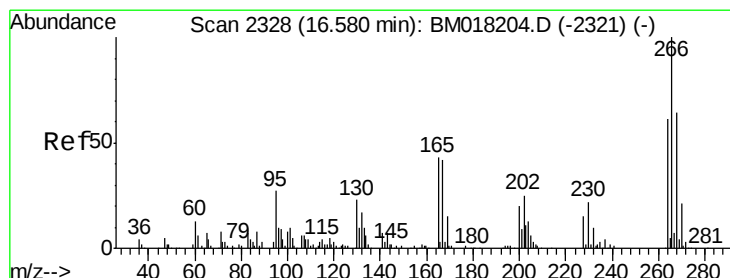
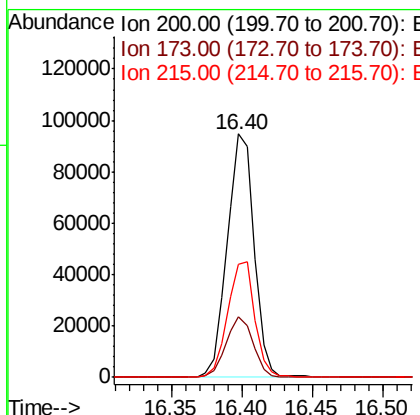
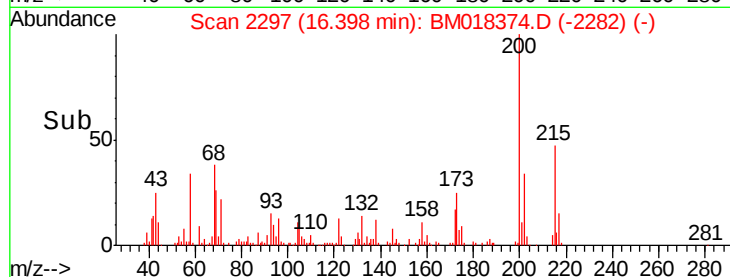
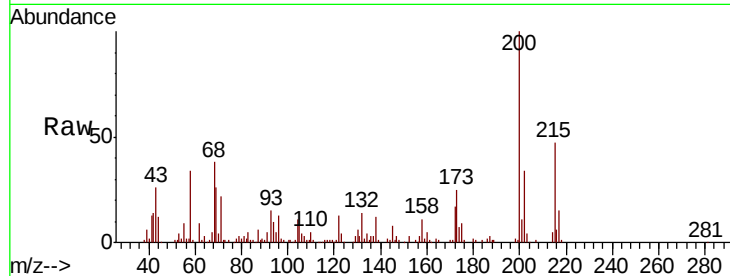
#69
Atrazine
Concen: 27.994 ng
RT: 16.40 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	125695		
173	25.1	6.9	46.9	
215	46.6	27.9	67.9	

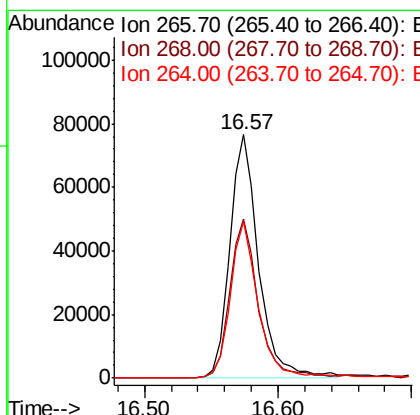
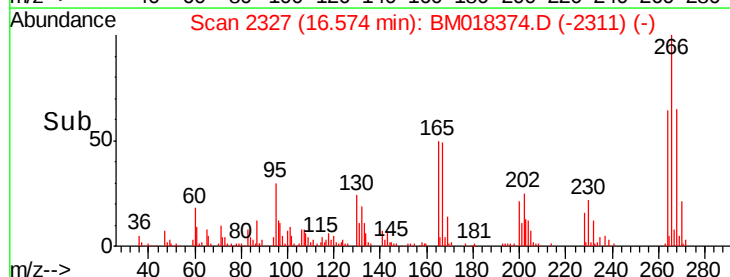
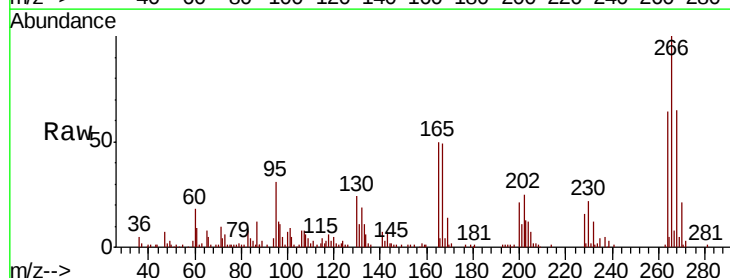
Manual Integrations
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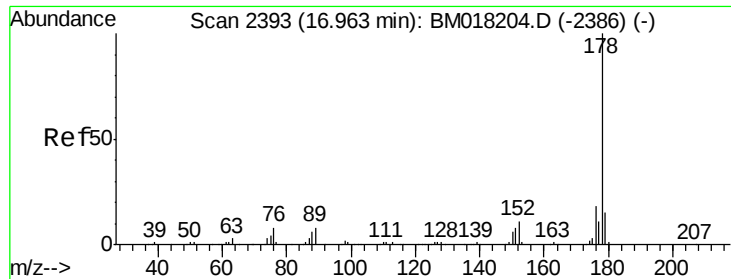
Sohil
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#70
Pentachlorophenol
Concen: 32.740 ng
RT: 16.57 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	115387		
268	65.5	51.1	76.7	
264	64.4	49.0	73.4	





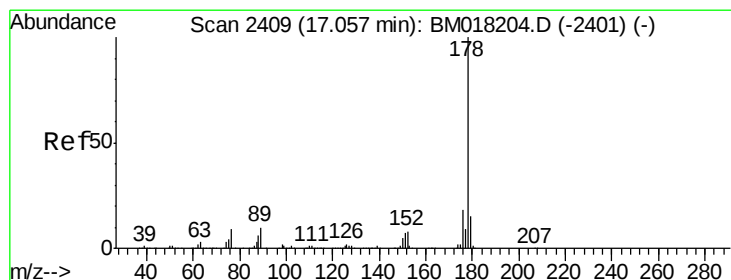
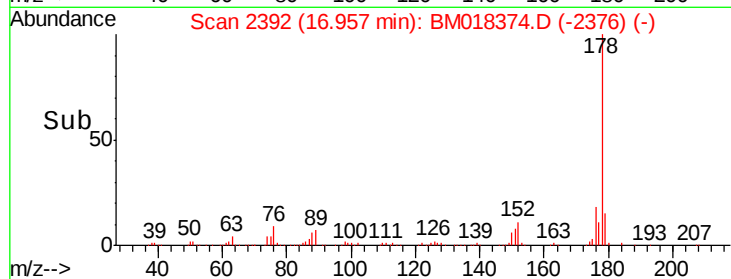
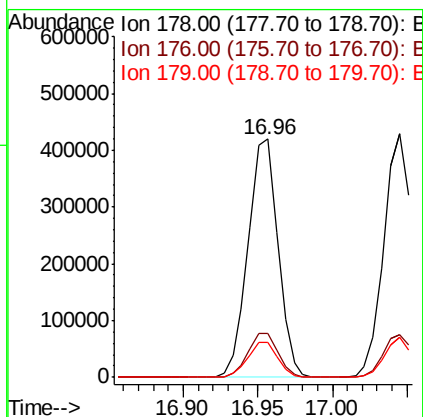
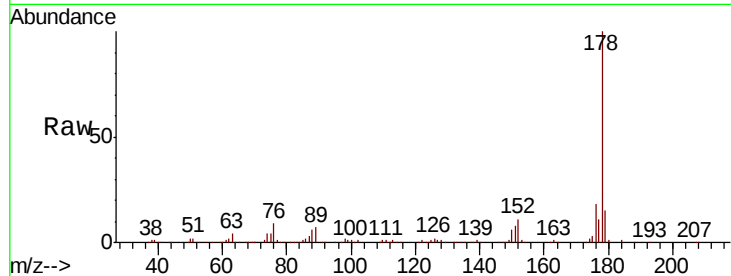
#71
Phenanthrene
Concen: 26.703 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.2	14.7	22.1	
179	14.8	12.0	18.0	

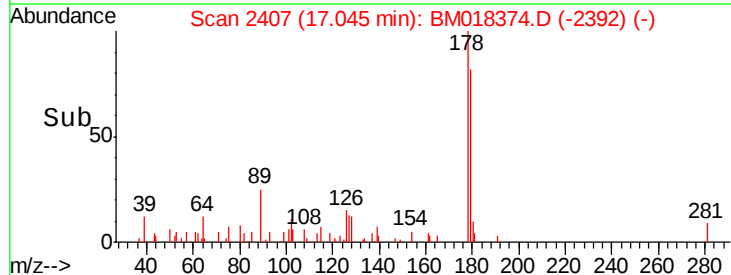
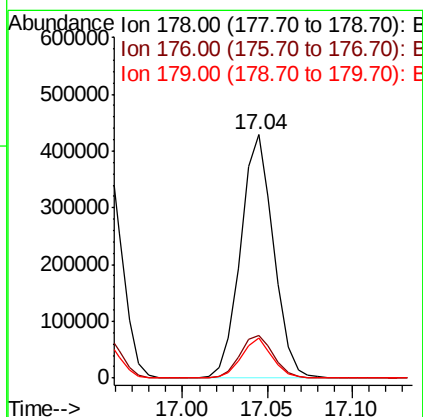
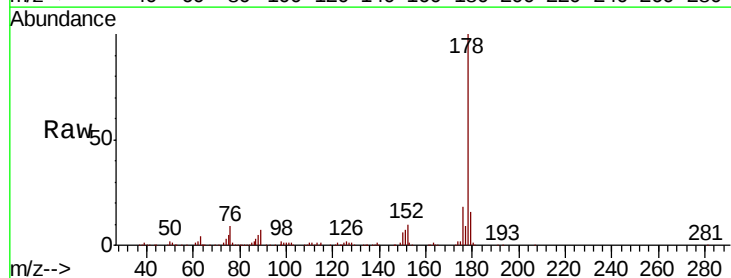
Manual Integrations
APPROVED

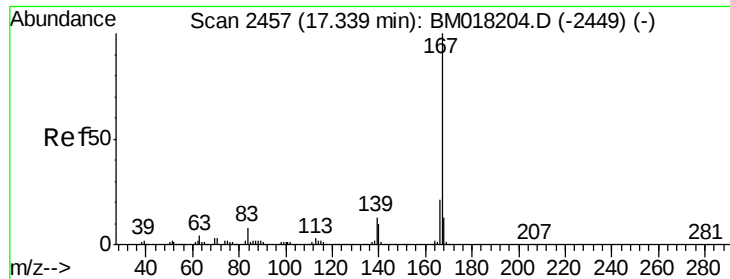
Sohil
12/26/2018 3:20:23 PM



#72
Anthracene
Concen: 26.789 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	17.7	14.3	21.5	
179	16.3	12.0	18.0	





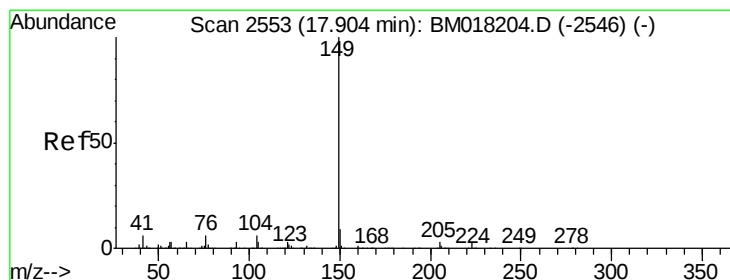
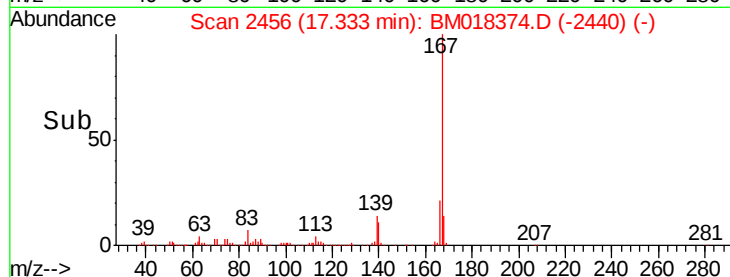
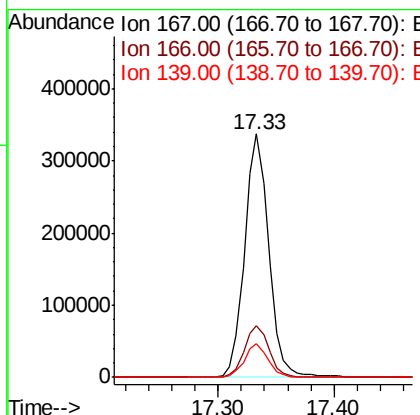
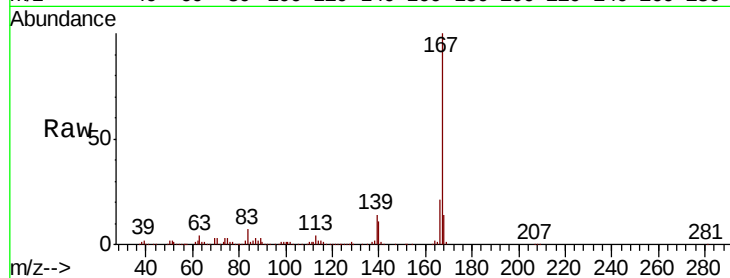
#73
 Carbazole
 Concen: 21.990 ng
 RT: 17.33 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.8	25.2
139	13.7	10.3	15.5

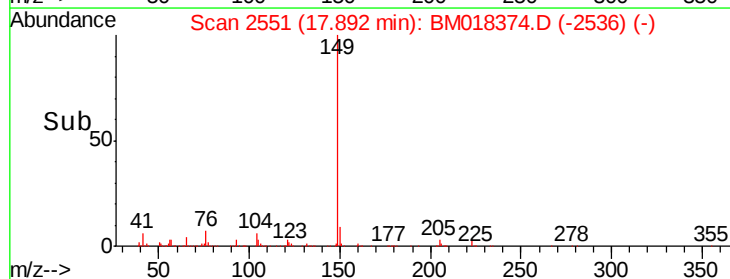
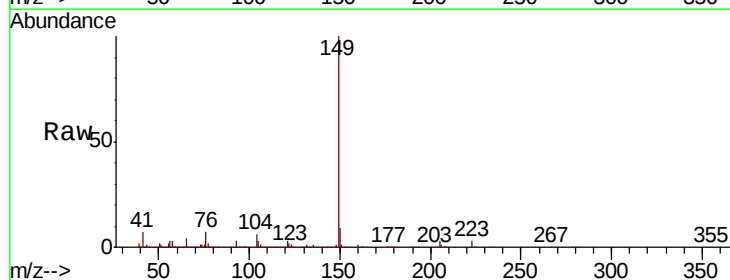
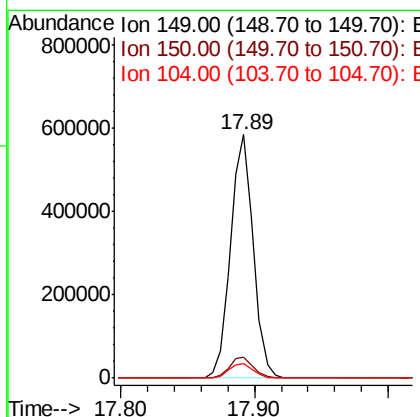
Manual Integrations
 APPROVED

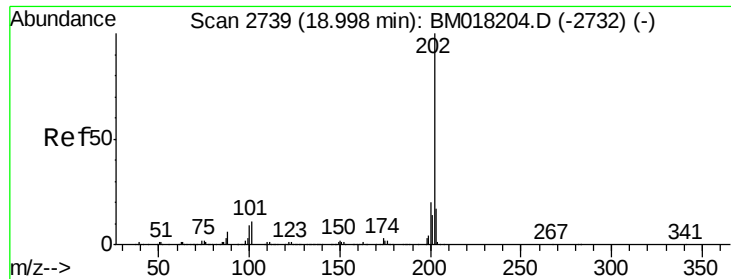
Sohil
 12/26/2018 3:20:23 PM



#74
 Di-n-butylphthalate
 Concen: 25.393 ng
 RT: 17.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	6.1	4.8	7.2





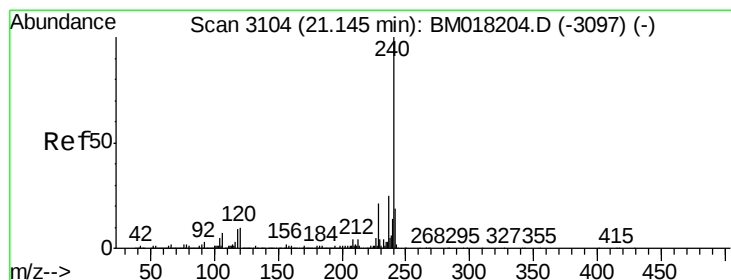
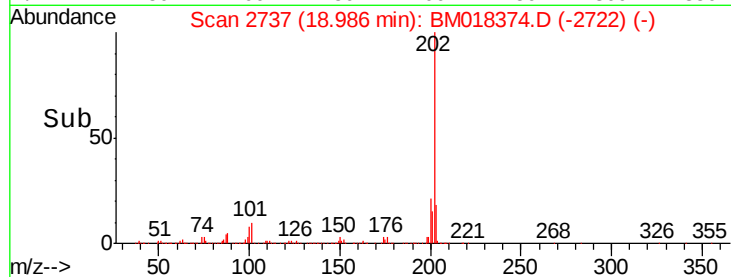
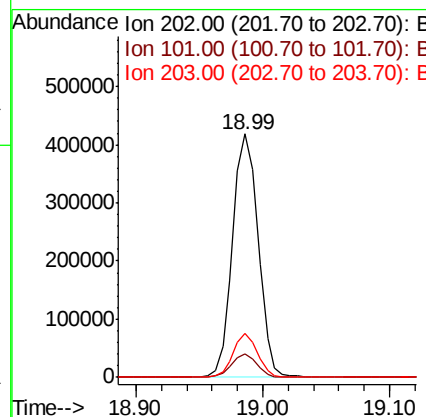
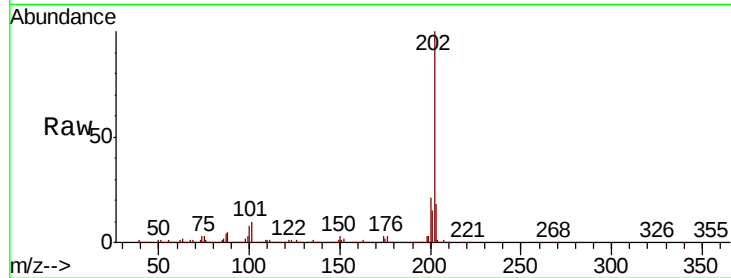
#75
 Fluoranthene
 Concen: 23.020 ng
 RT: 18.99 min Scan# 2737
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	30.5
203	18.2	0.0	37.5

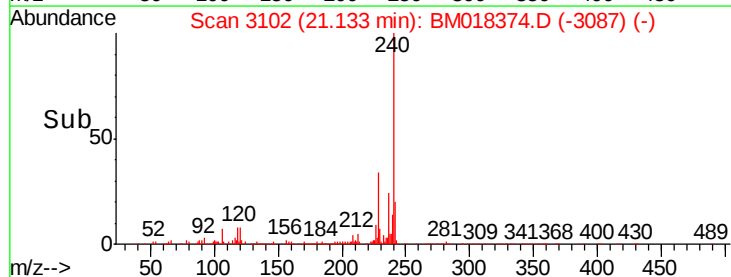
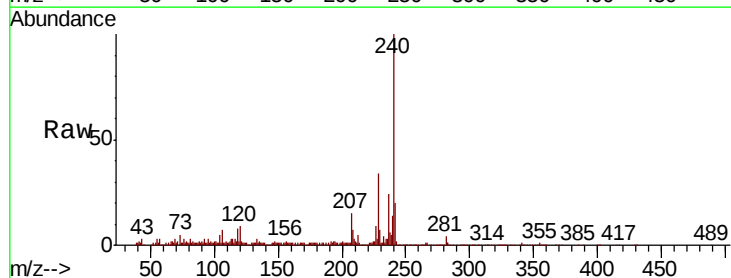
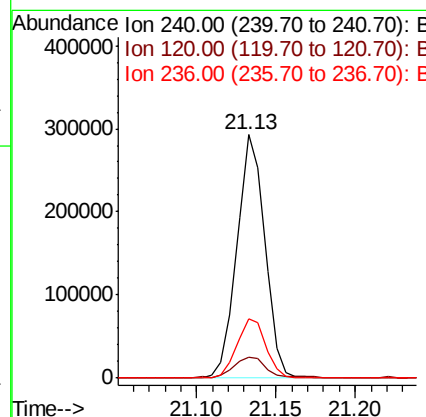
Manual Integrations
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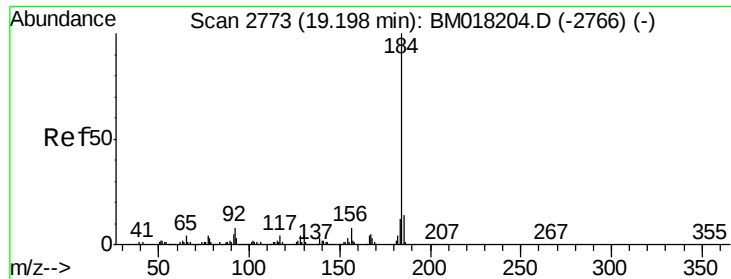
Sohil
 12/26/2018 3:20:23 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.13 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.5	8.2	12.2
236	24.4	20.3	30.5





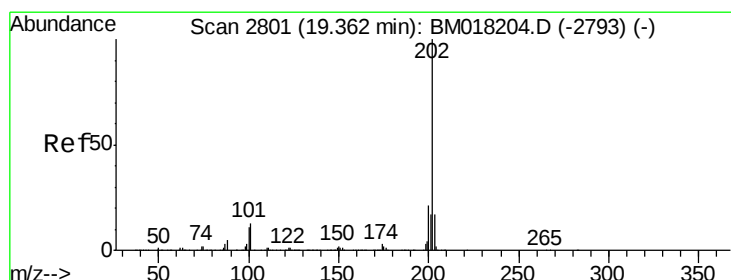
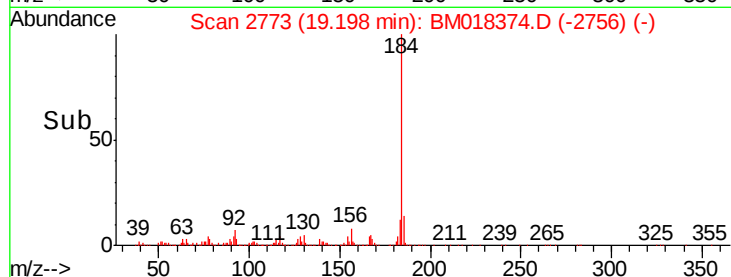
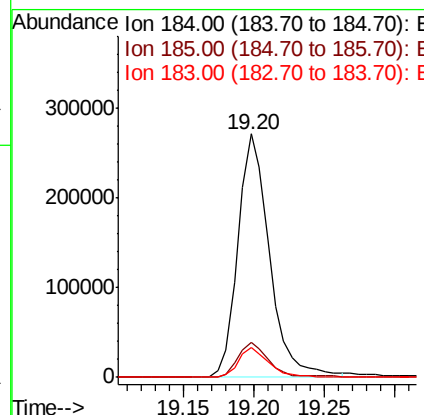
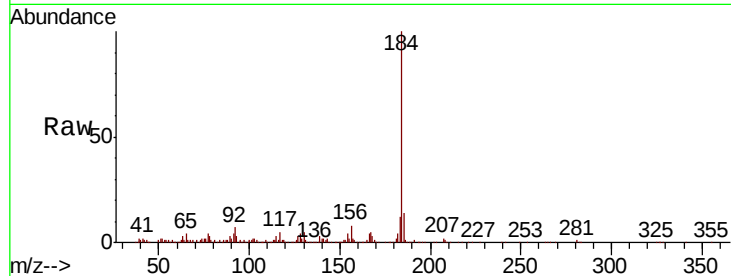
#77
Benzidine
Concen: 46.895 ng
RT: 19.20 min Scan# 2773
Delta R.T. -0.00 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	12.3	9.7	14.5

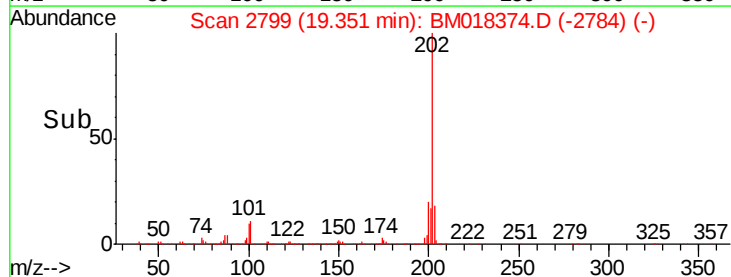
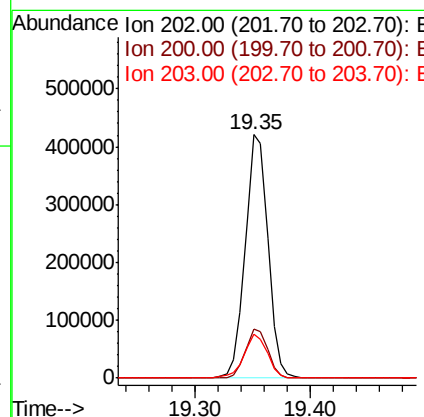
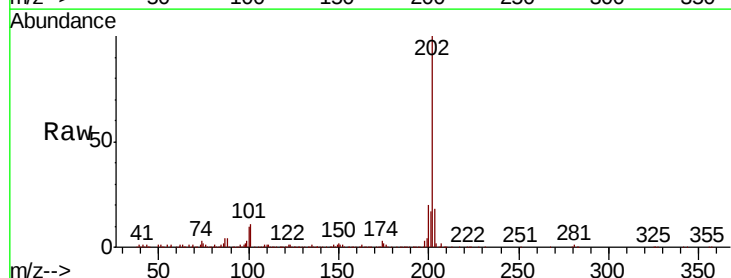
Manual Integrations
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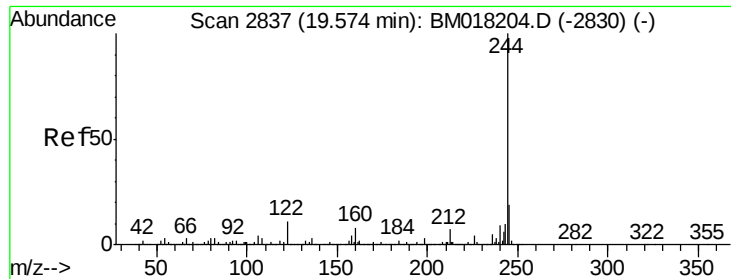
Sohil
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#78
Pyrene
Concen: 26.983 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	18.2	14.0	21.0





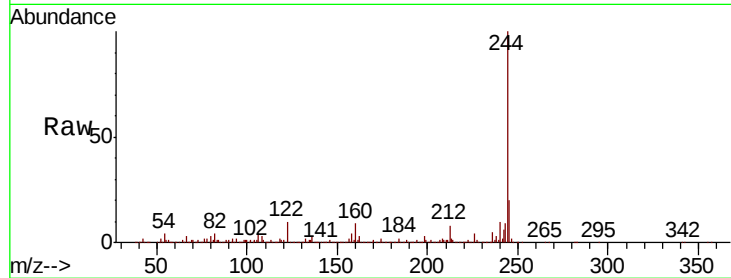
#79
 Terphenyl-d14
 Concen: 58.216 ng
 RT: 19.56 min Scan# 2835
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	9.7	9.0	13.6

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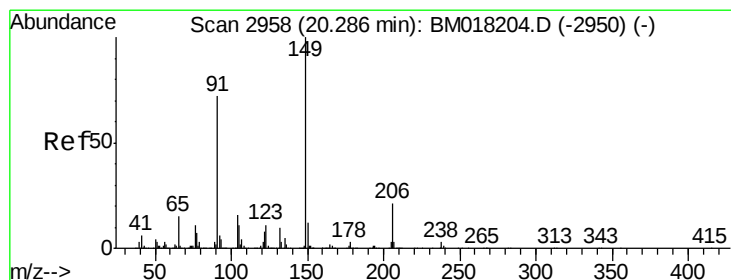
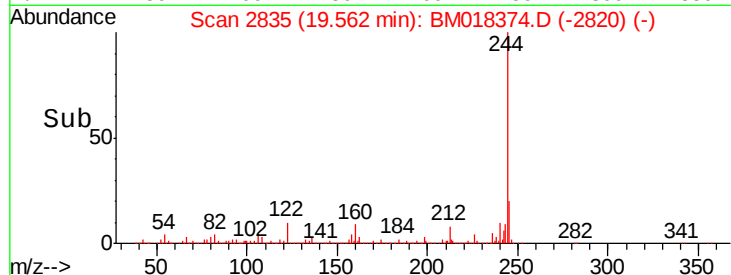
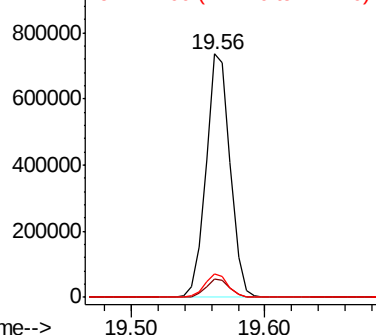


Abundance

Ion 244.00 (243.70 to 244.70): E

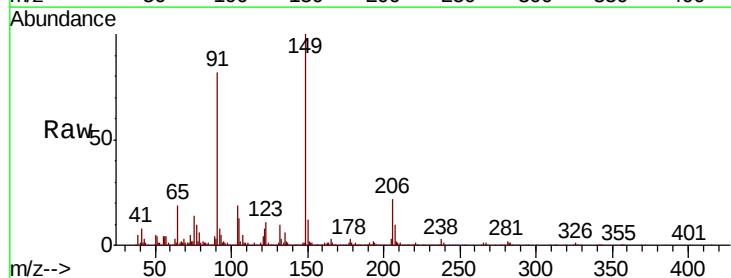
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Butylbenzylphthalate
 Concen: 26.063 ng
 RT: 20.27 min Scan# 2956
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.5	57.4	86.2
206	22.2	17.0	25.4

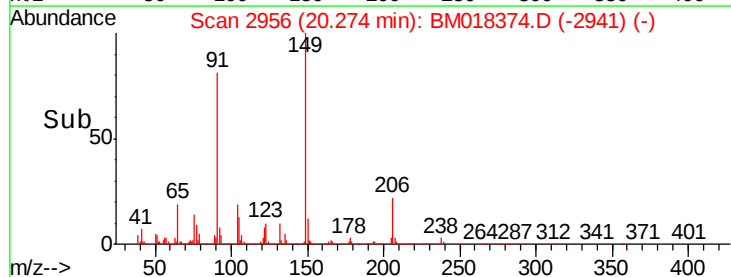
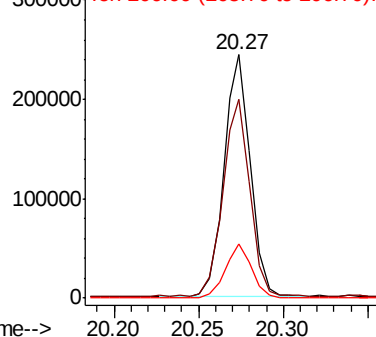


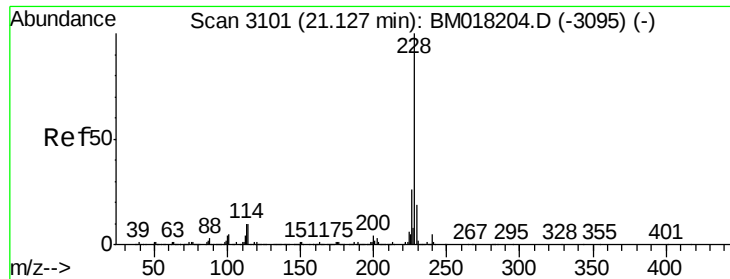
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 27.010 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

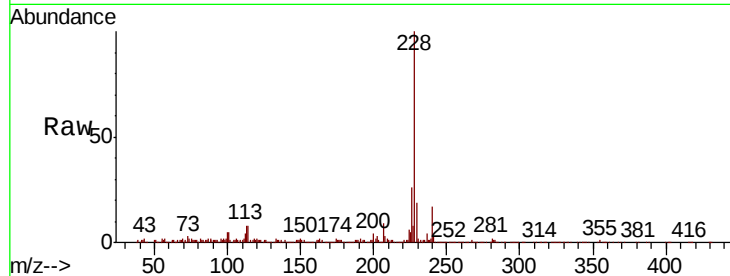
ClientSampleId :

SOIL-CUTTINGSMS

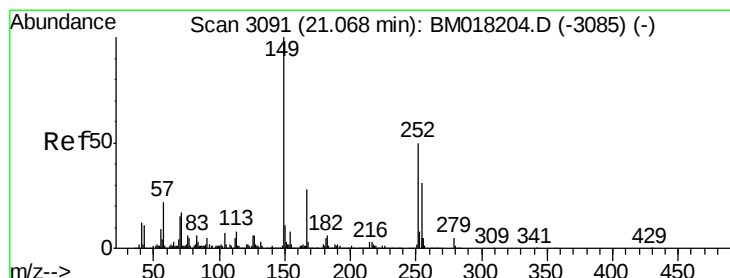
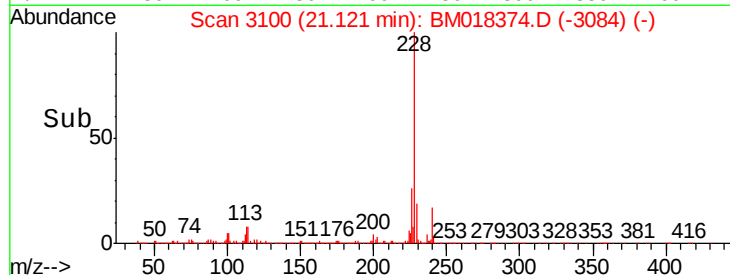
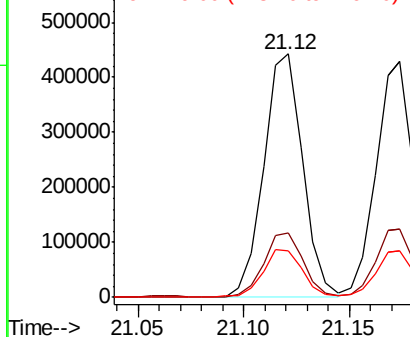
Tot Ion:	228	Resp:	564844
Ion Ratio	Lower	Upper	
228	100		
226	26.3	21.0	31.4
229	18.9	15.5	23.3

Manual Integrations
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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: 25.756 ng

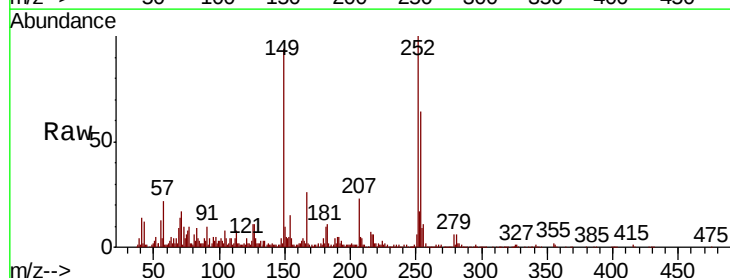
RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

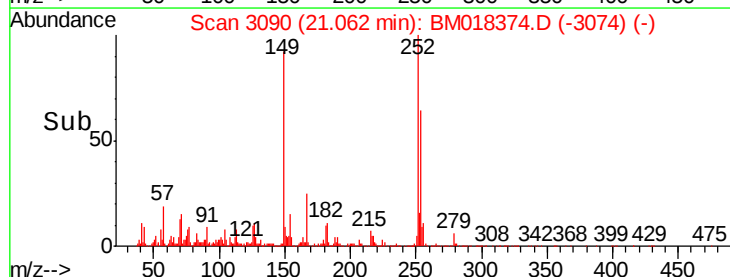
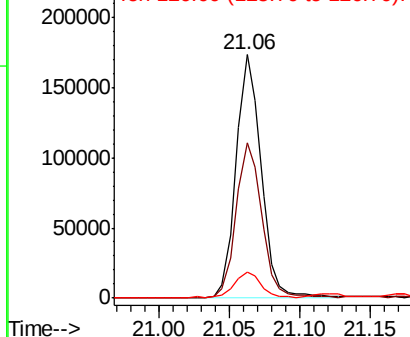
Lab File: BM018374.D

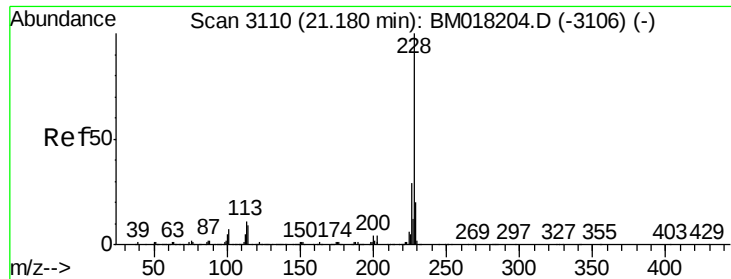
Acq: 22 Dec 2018 01:30

Tgt Ion:	252	Resp:	215186
Ion Ratio	Lower	Upper	
252	100		
254	63.9	50.4	75.6
126	10.6	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





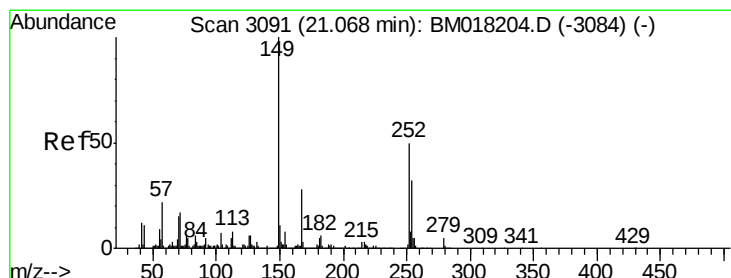
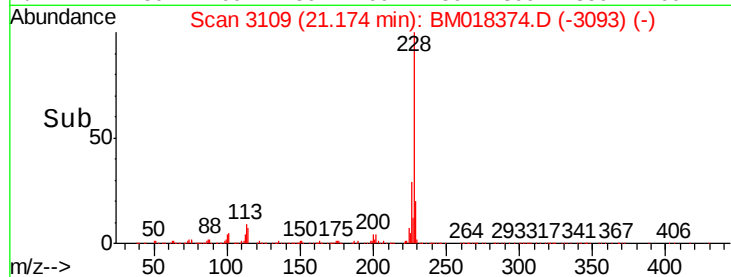
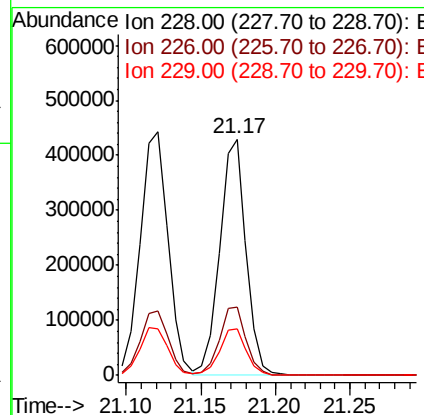
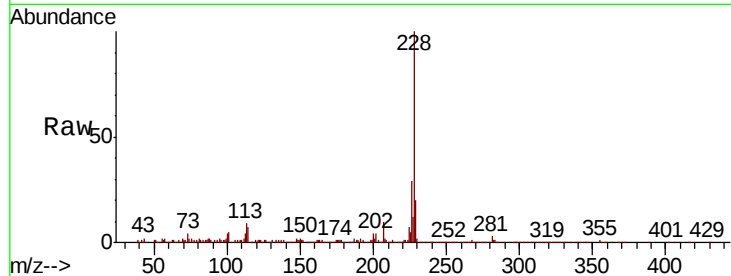
#83
 Chrysene
 Concen: 26.269 ng
 RT: 21.17 min Scan# 3109
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

Tot Ion:	228	Resp:	528381
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.1	34.7
229	19.7	15.8	23.6

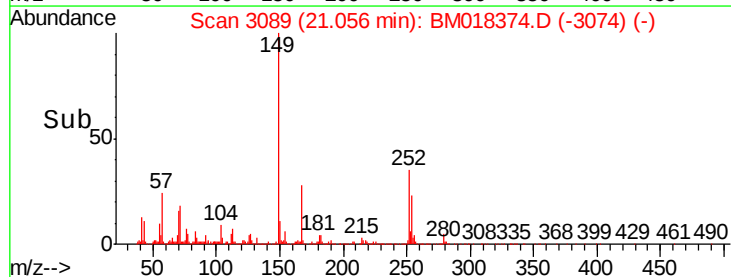
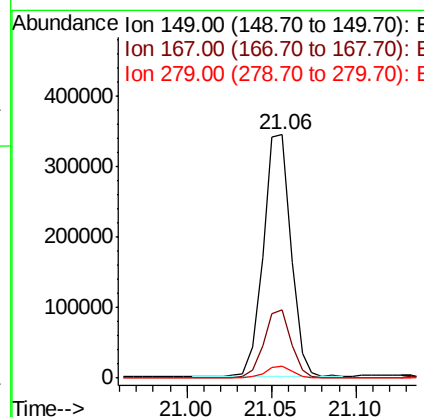
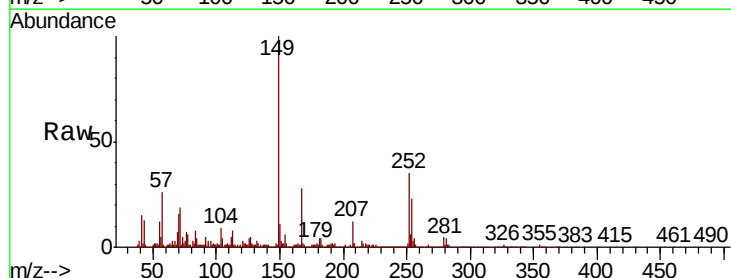
Manual Integrations
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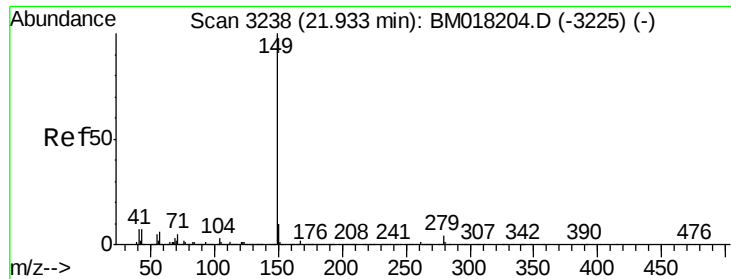
Sohil
 12/26/2018 3:20:23 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 25.720 ng
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

Tgt Ion:	149	Resp:	388985
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.7	34.1
279	5.1	3.9	5.9





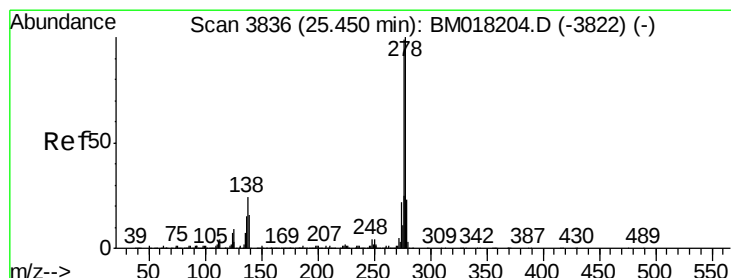
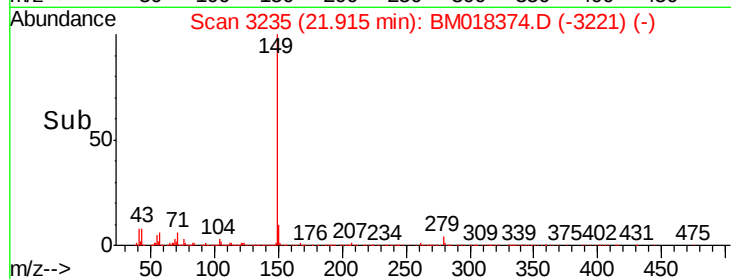
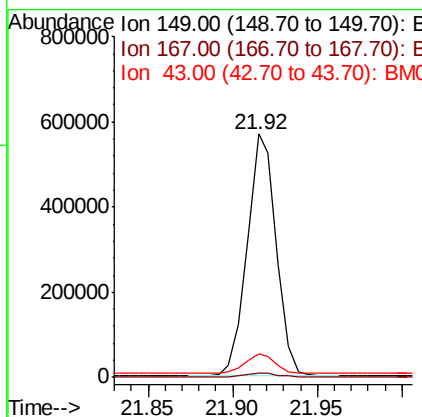
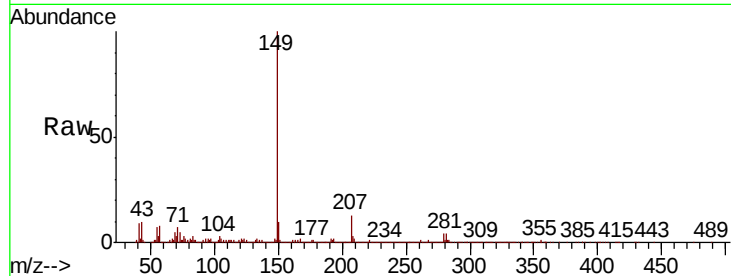
#85
Di-n-octyl phthalate
Concen: 27.429 ng
RT: 21.92 min Scan# 3235
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	679402		
167	1.7		1.4	2.0
43	8.8		6.2	9.4

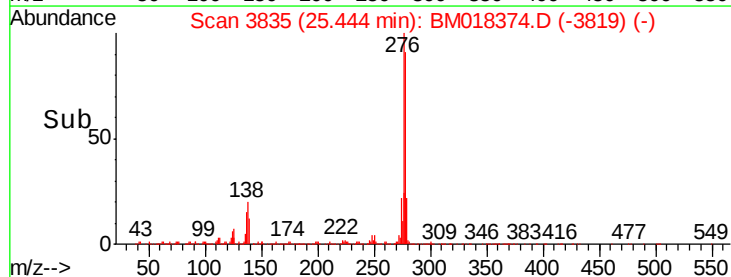
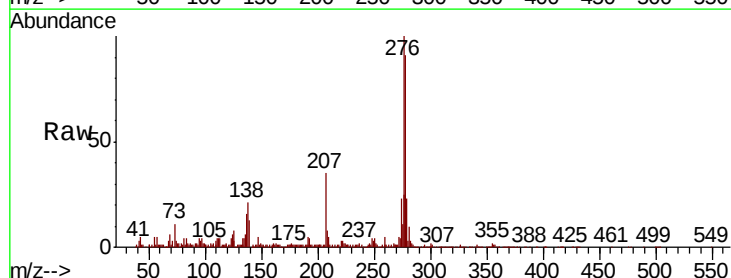
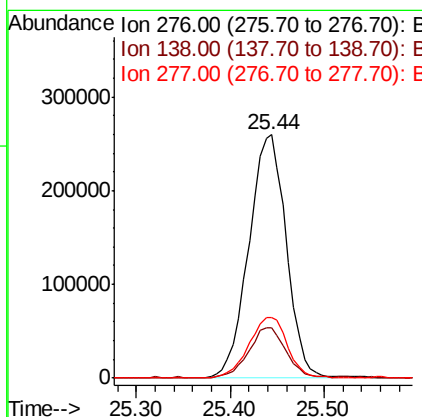
Manual Integrations
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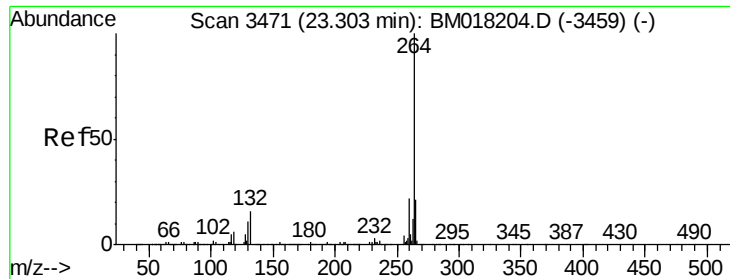
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 35.571 ng
RT: 25.44 min Scan# 3835
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	712724		
138	19.9		18.6	28.0
277	25.2		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: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

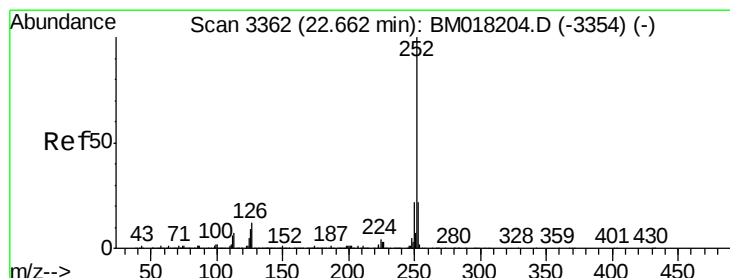
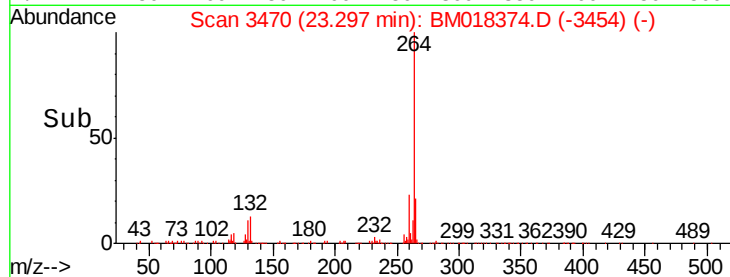
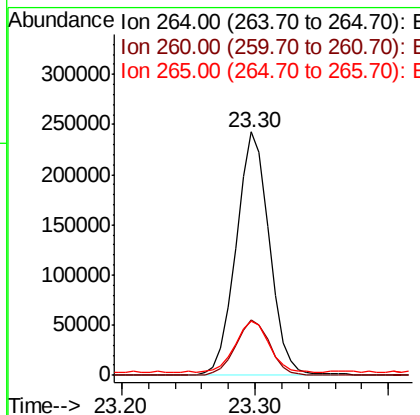
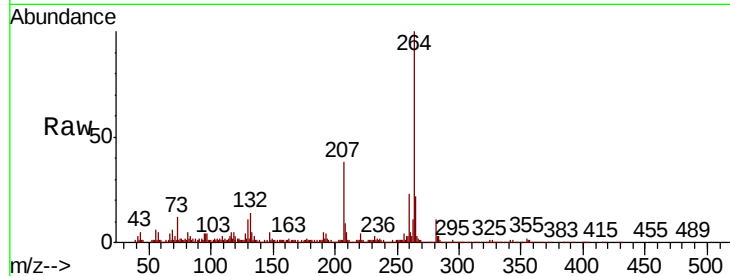
ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:	264	Resp:	415924
Ion Ratio	Lower	Upper	
264	100		
260	23.0	17.5	26.3
265	22.2	17.3	25.9

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 26.650 ng

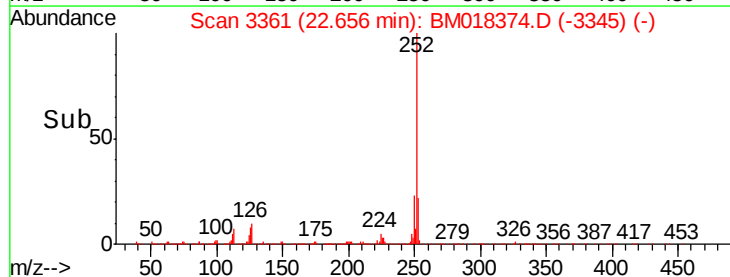
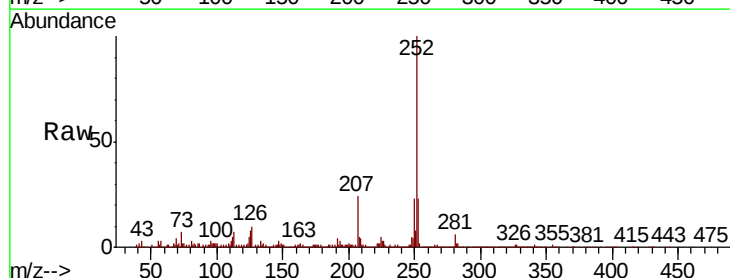
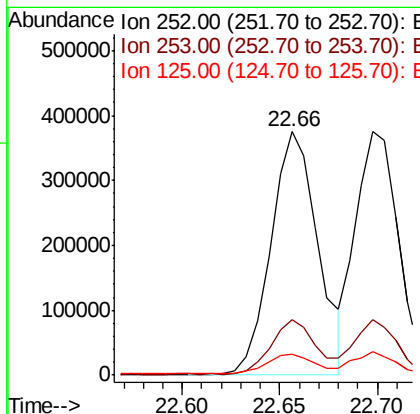
RT: 22.66 min Scan# 3361

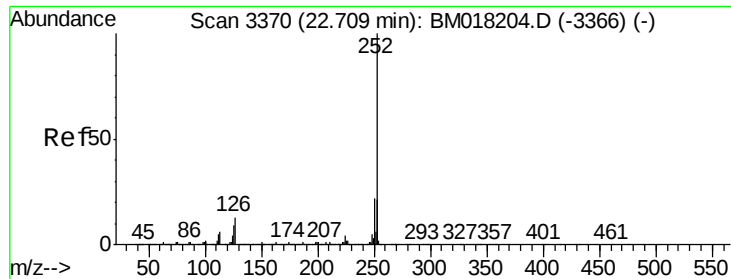
Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	252	Resp:	622633
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	8.3	7.4	11.0





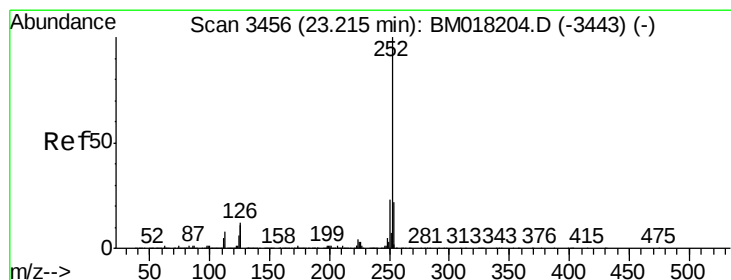
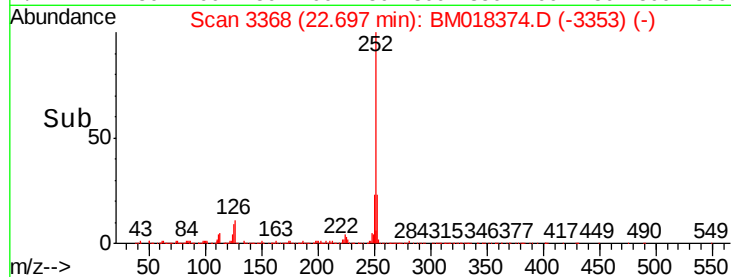
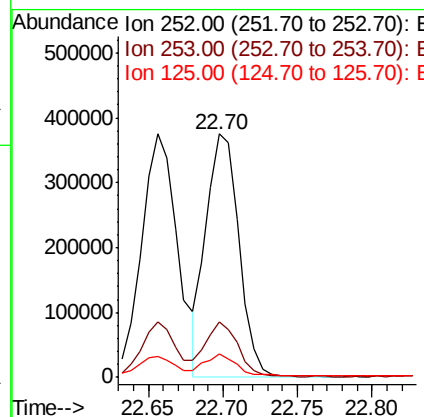
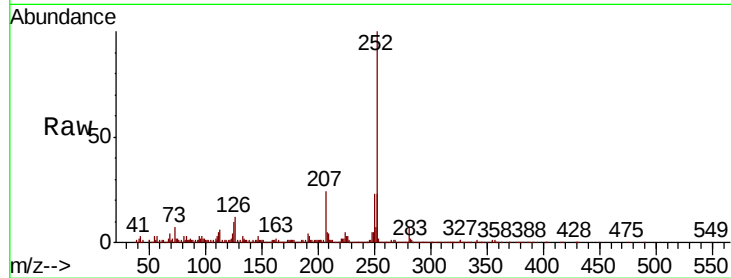
#89
Benzo(k)fluoranthene
Concen: 24.632 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.9	25.3
125	9.8	7.5	11.3

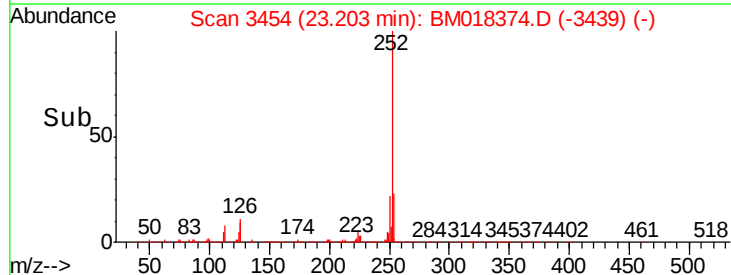
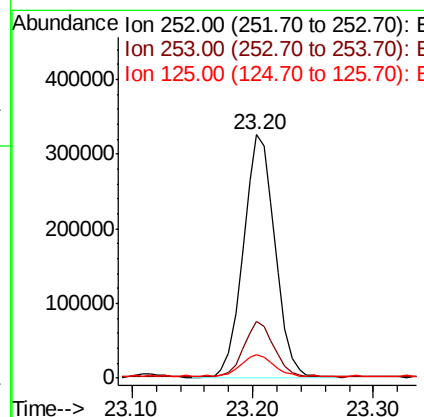
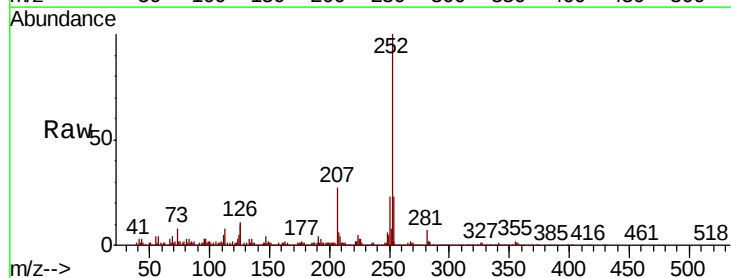
Manual Integrations
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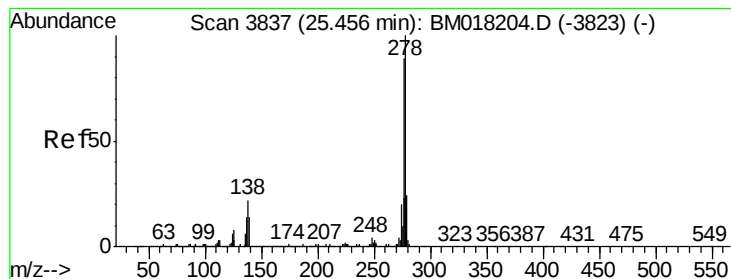
Sohil
12/26/2018 3:20:23 PM



#90
Benzo(a)pyrene
Concen: 26.603 ng
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.6	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 29.188 ng

RT: 25.44 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Instrument :

BNA_M

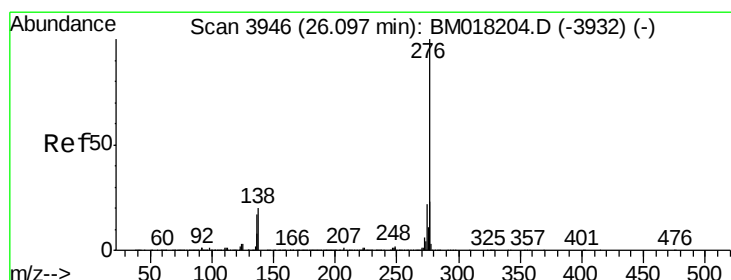
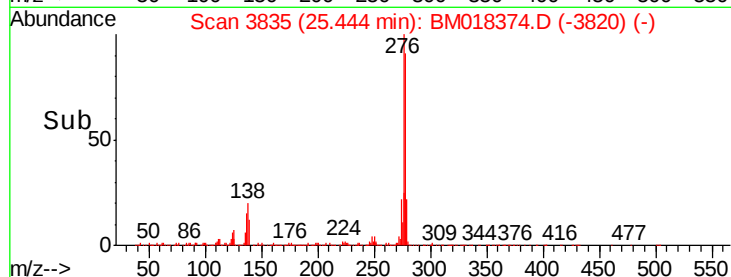
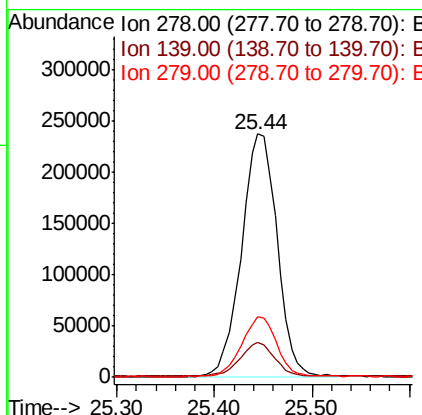
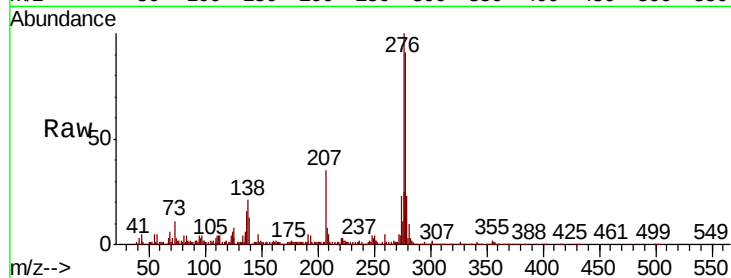
ClientSampleId :

SOIL-CUTTINGSMS

Tot Ion:	278	Resp:	600805
Ion Ratio	Lower	Upper	
278	100		
139	14.1	11.6	17.4
279	24.6	19.2	28.8

Manual Integrations
APPROVED

Sohil
12/26/2018 3:20:23 PM



#92

Benzo(g,h,i)perylene

Concen: 30.397 ng

RT: 26.09 min Scan# 3945

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

Tgt Ion:	276	Resp:	591440
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.7	28.1
138	16.6	15.8	23.8

