

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

Quant Time: Dec 22 03:52:17 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	32988	6.040	ng	96
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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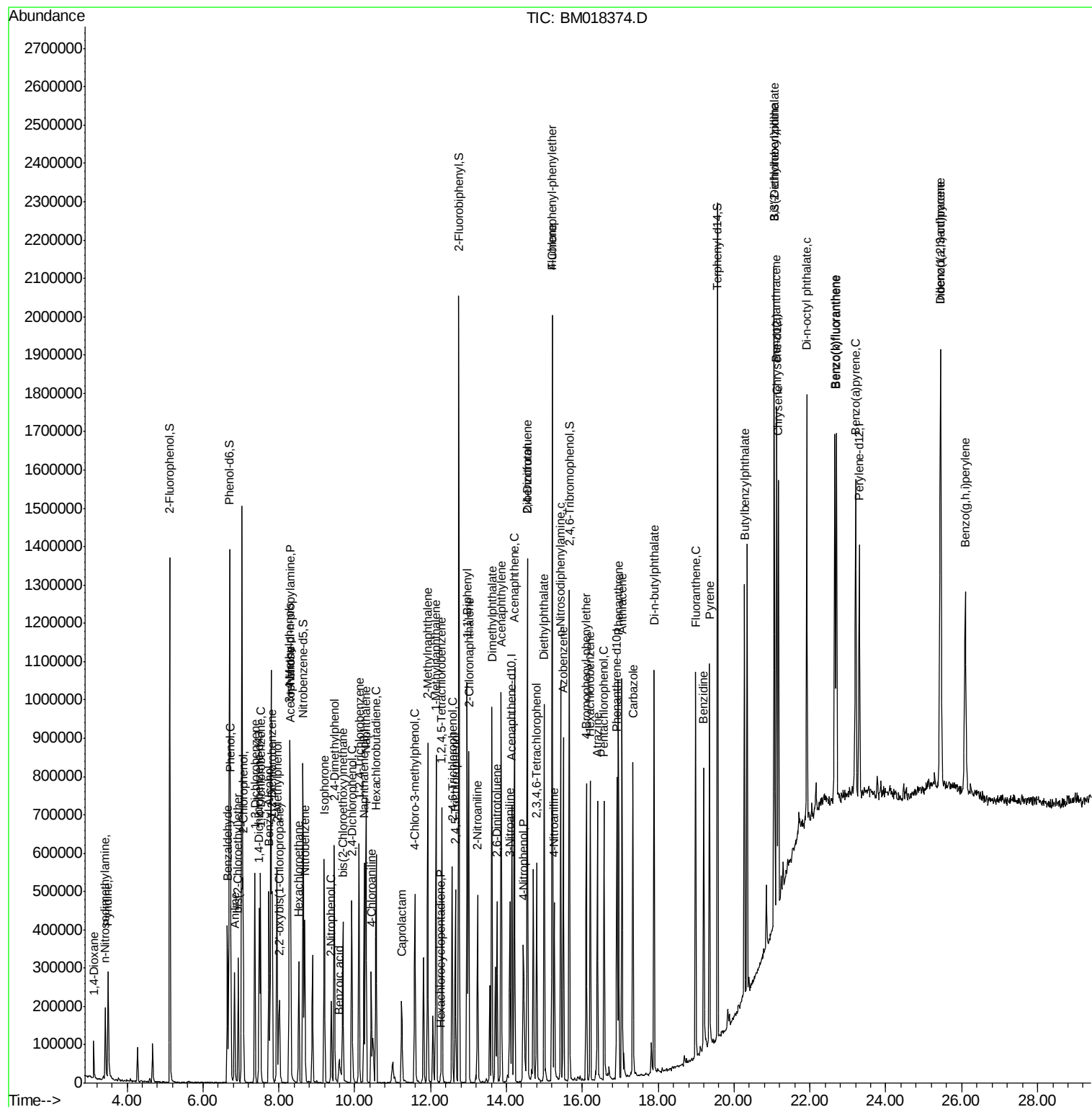
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.26	237	6108	9.711	ng	92
43) 2,4,6-Trichlorophenol	12.57	196	125746	25.281	ng	93
44) 2,4,5-Trichlorophenol	12.65	196	126184	23.896	ng	95
46) 1,1'-Biphenyl	12.96	154	484714	23.958	ng	98
47) 2-Chloronaphthalene	13.00	162	372836	25.037	ng	97
48) 2-Nitroaniline	13.24	65	135470	29.532	ng	90
49) Acenaphthylene	13.86	152	577169	25.720	ng	99
50) Dimethylphthalate	13.62	163	554091	29.635	ng	99
51) 2,6-Dinitrotoluene	13.75	165	83439	20.301	ng #	81
52) Acenaphthene	14.21	154	340141	24.802	ng	98
53) 3-Nitroaniline	14.09	138	103432	23.913	ng	89
55) Dibenzofuran	14.55	168	539104	24.464	ng	96
56) 4-Nitrophenol	14.45	139	93709	28.575	ng #	69
57) 2,4-Dinitrotoluene	14.56	165	110401	19.432	ng #	86
58) Fluorene	15.20	166	424050	24.915	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.80	232	101487	21.340	ng	95
60) Diethylphthalate	14.99	149	464917	23.042	ng	98
61) 4-Chlorophenyl-phenylether	15.20	204	223279	23.196	ng	98
62) 4-Nitroaniline	15.26	138	95134	23.180	ng #	73
63) Azobenzene	15.50	77	480911	26.139	ng	94
66) n-Nitrosodiphenylamine	15.43	169	365724	27.498	ng	98
67) 4-Bromophenyl-phenylether	16.10	248	131032	26.900	ng	96
68) Hexachlorobenzene	16.21	284	133830	25.079	ng #	93
69) Atrazine	16.40	200	125695	27.994	ng	98
70) Pentachlorophenol	16.57	266	115387	32.740	ng	97
71) Phenanthrene	16.96	178	583370	26.703	ng	100
72) Anthracene	17.04	178	580611	26.789	ng	98
73) Carbazole	17.33	167	489180	21.990	ng	99
74) Di-n-butylphthalate	17.89	149	696983	25.393	ng	99
75) Fluoranthene	18.99	202	584709	23.020	ng	98
77) Benzidine	19.20	184	425721	46.895	ng	100
78) Pyrene	19.35	202	575586	26.983	ng	99
80) Butylbenzylphthalate	20.27	149	264480	26.063	ng	91
81) Benzo(a)anthracene	21.12	228	564844	27.010	ng	99
82) 3,3'-Dichlorobenzidine	21.06	252	215186	25.756	ng	99
83) Chrysene	21.17	228	528381	26.269	ng	100
84) Bis(2-ethylhexyl)phthalate	21.06	149	388985	25.720	ng	99
85) Di-n-octyl phthalate	21.92	149	679402	27.429	ng	98
86) Indeno(1,2,3-cd)pyrene	25.44	276	712724	35.571	ng	97
88) Benzo(b)fluoranthene	22.66	252	622633	26.650	ng	98
89) Benzo(k)fluoranthene	22.70	252	573130	24.632	ng	97
90) Benzo(a)pyrene	23.20	252	591134	26.603	ng	97
91) Dibenzo(a,h)anthracene	25.44	278	600805	29.188	ng	99
92) Benzo(g,h,i)perylene	26.09	276	591440	30.397	ng	97

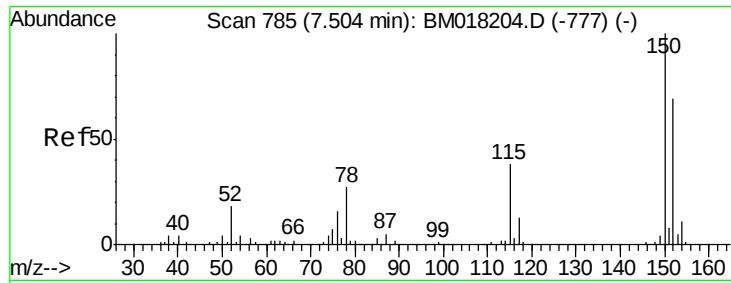
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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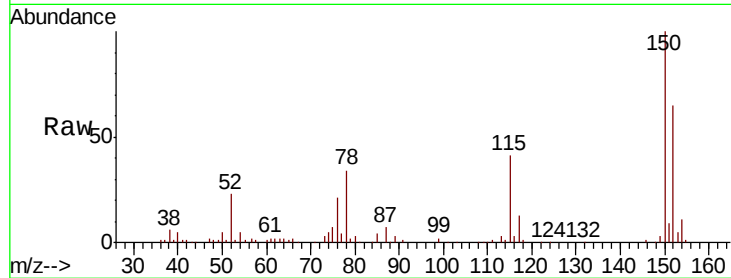


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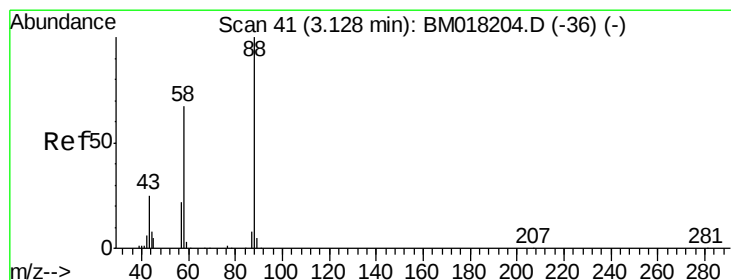
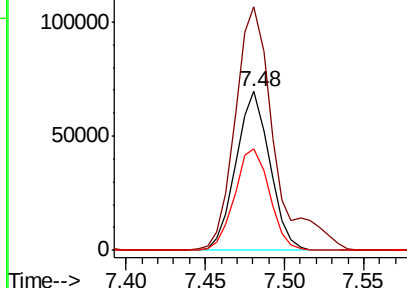
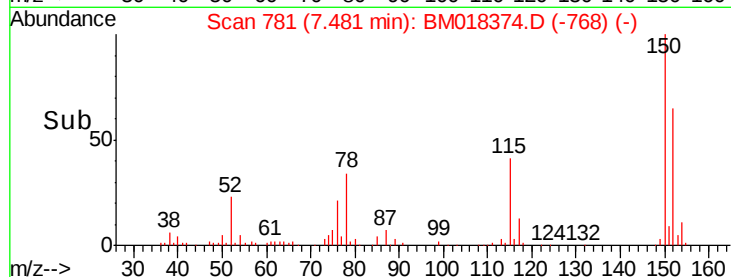
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:152 Resp: 103314
Ion Ratio Lower Upper
152 100
150 153.1 116.1 174.1
115 63.5 44.6 67.0



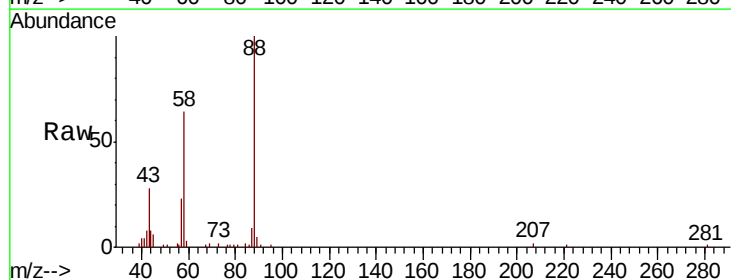
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



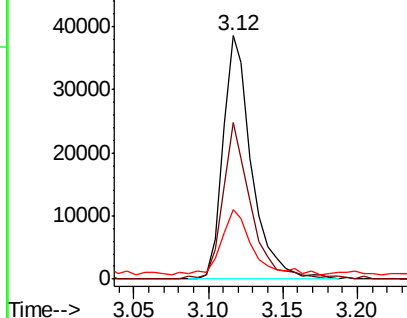
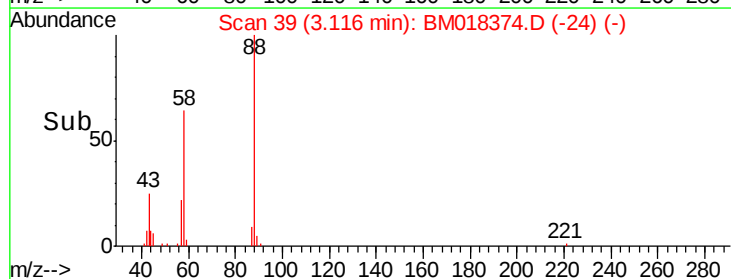
#2

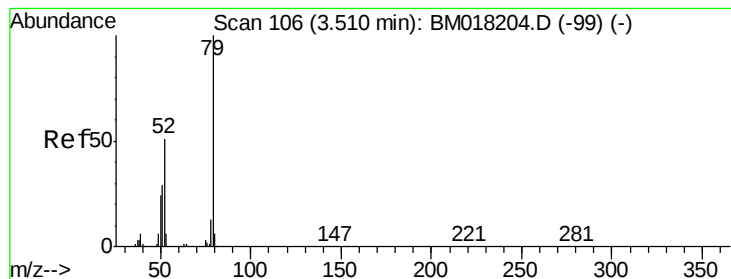
1,4-Dioxane
Concen: 21.138 ng
RT: 3.12 min Scan# 39
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion: 88 Resp: 51786
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): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

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

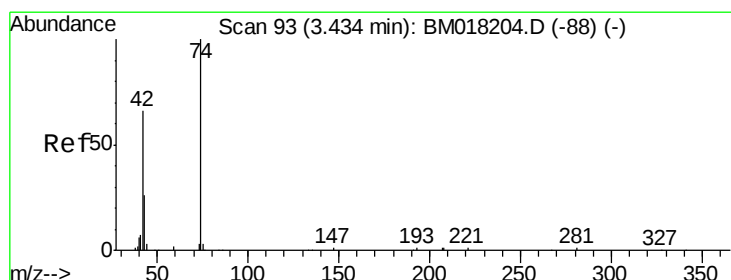
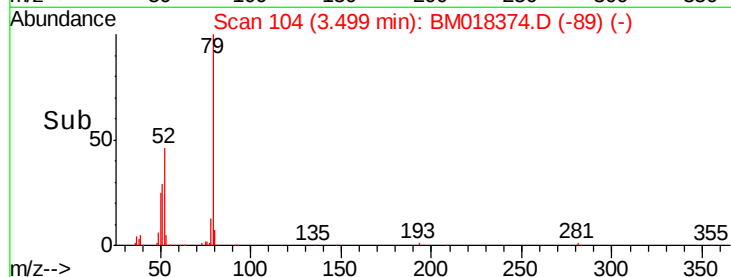
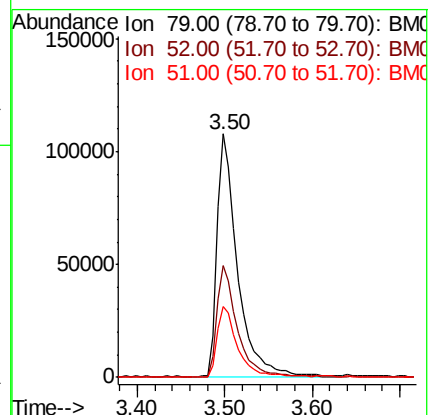
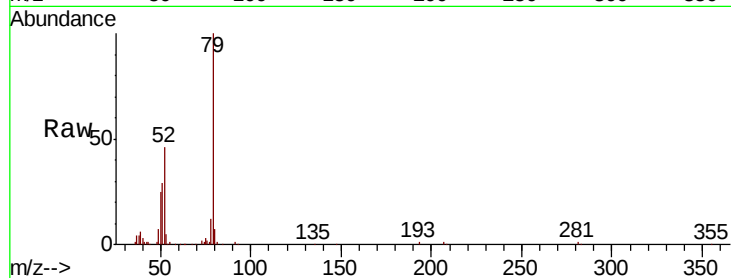
Tgt Ion: 79 Resp: 177497

Ion Ratio Lower Upper

79 100

52 46.1 40.7 61.1

51 29.0 23.0 34.6



#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

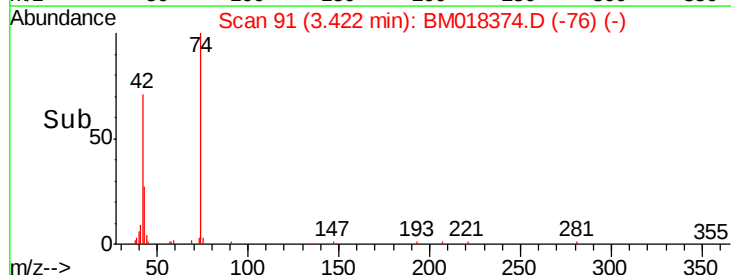
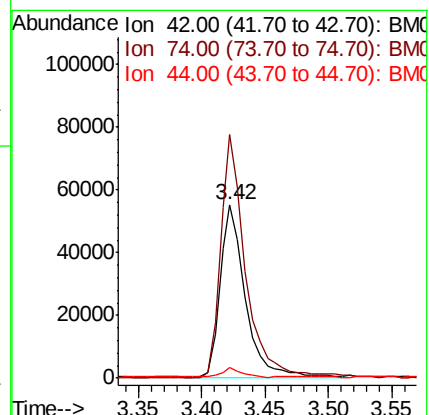
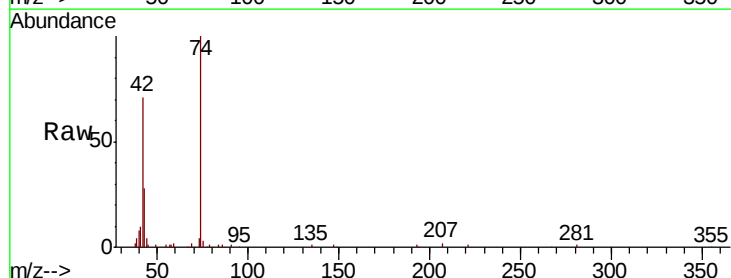
Tgt Ion: 42 Resp: 77888

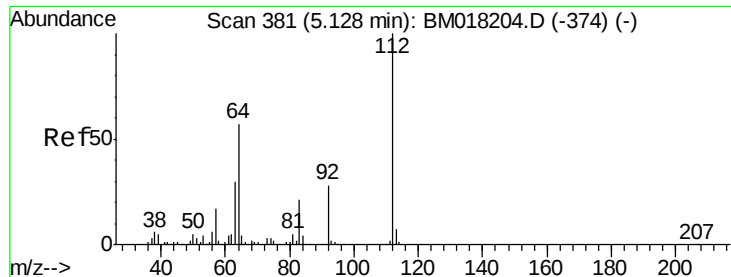
Ion Ratio Lower Upper

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

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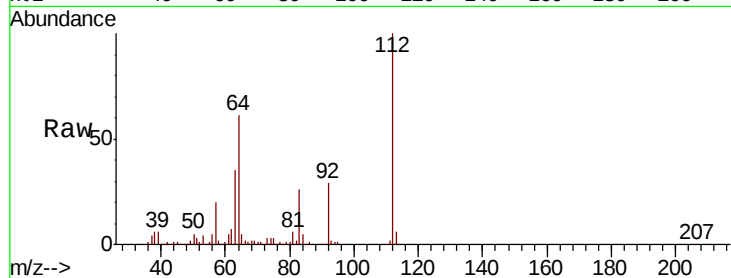
Tgt Ion: 112 Resp: 526862

Ion Ratio Lower Upper

112 100

64 60.7 45.4 68.2

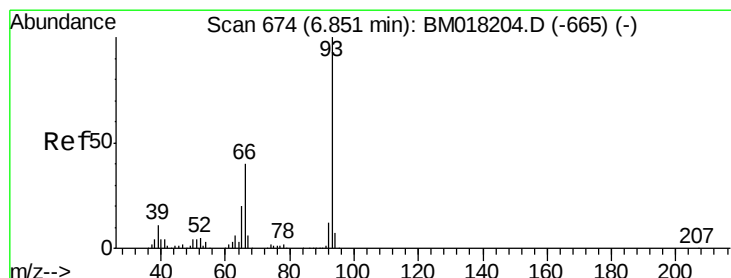
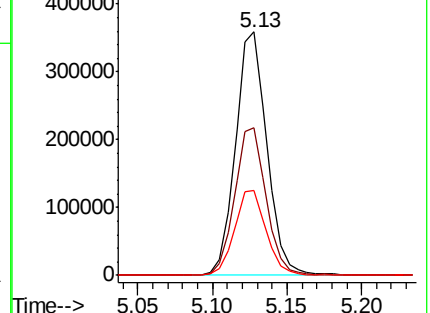
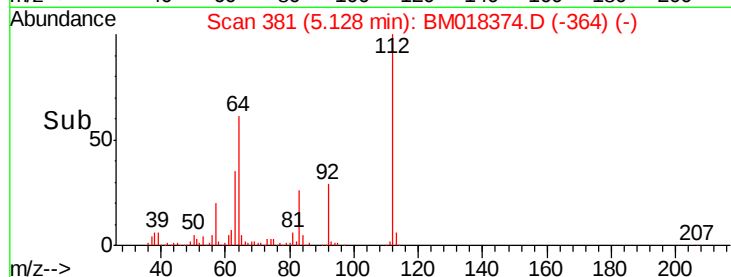
63 34.6 24.0 36.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#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

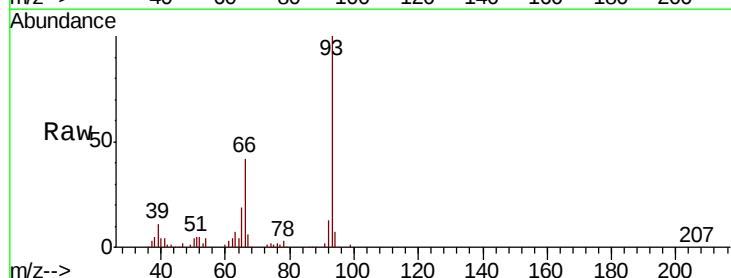
Tgt Ion: 93 Resp: 172571

Ion Ratio Lower Upper

93 100

66 42.2 32.3 48.5

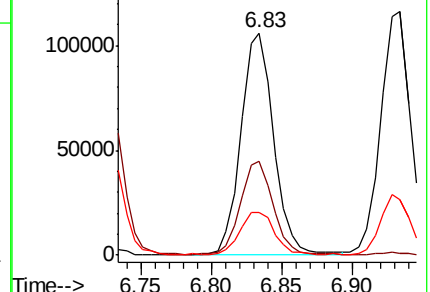
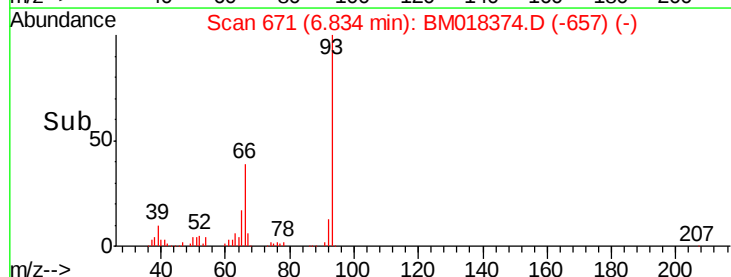
65 19.3 16.2 24.4

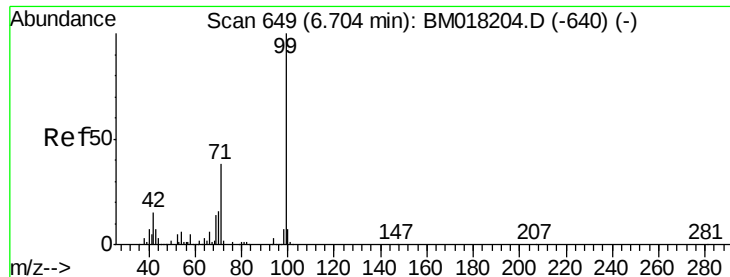


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 81.759 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018374.D

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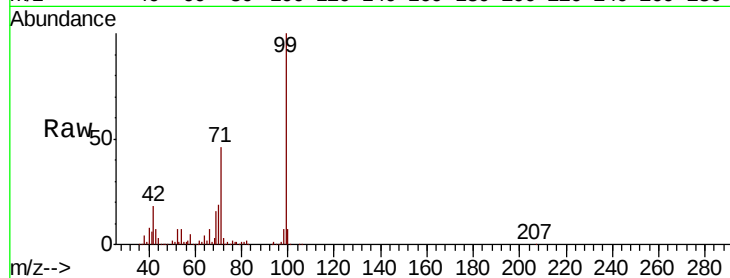
Tgt Ion: 99 Resp: 702813

Ion Ratio Lower Upper

99 100

42 17.9 12.3 18.5

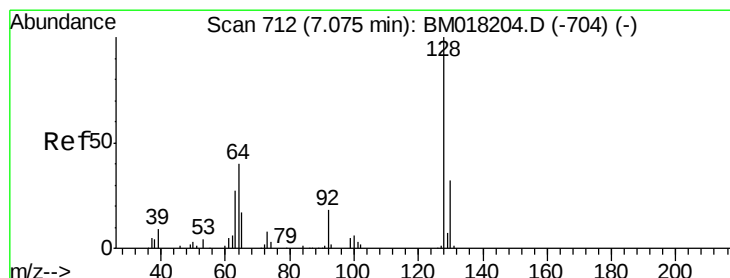
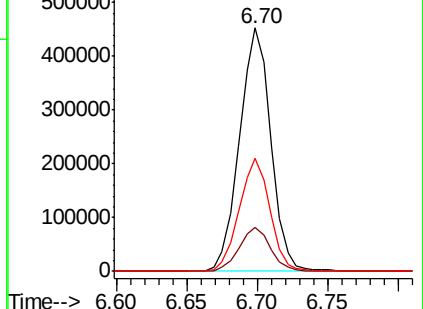
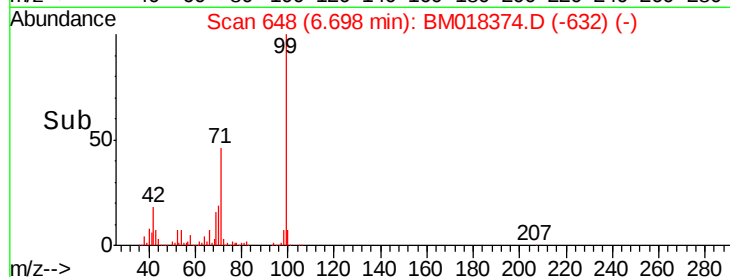
71 46.4 30.2 45.2#



Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)



#8

2-Chlorophenol

Concen: 24.818 ng

RT: 7.06 min Scan# 709

Delta R.T. -0.02 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

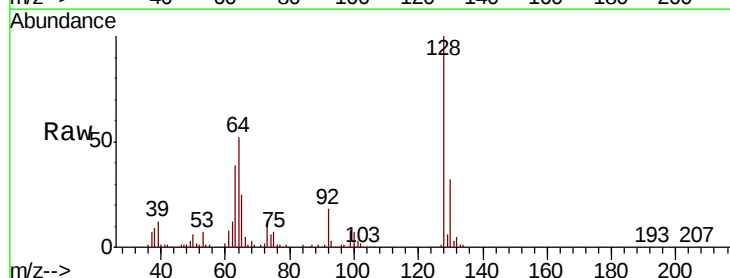
Tgt Ion: 128 Resp: 181350

Ion Ratio Lower Upper

128 100

130 31.6 12.3 52.3

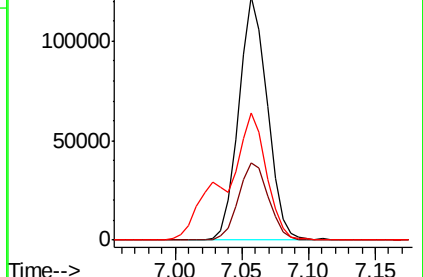
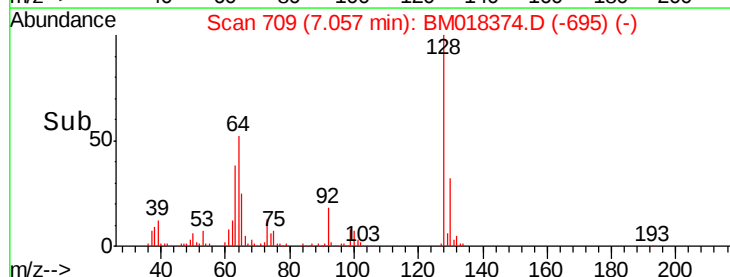
64 52.2 24.1 64.1

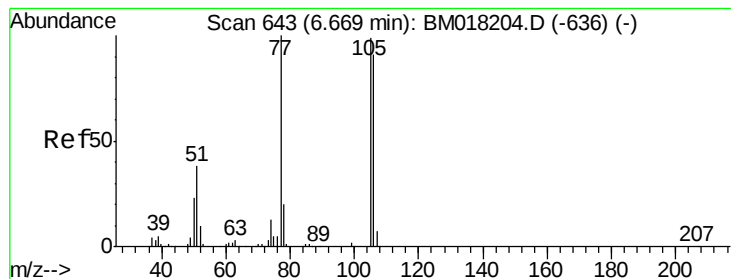


Abundance Ion 128.00 (127.70 to 128.70): BM018204.D (-704) (-)

Ion 130.00 (129.70 to 130.70): BM018204.D (-704) (-)

Ion 64.00 (63.70 to 64.70): BM018204.D (-704) (-)





#9

Benzaldehyde

Concen: 28.803 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

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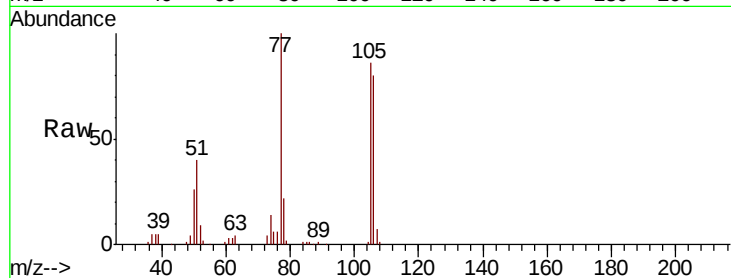
Tgt Ion: 77 Resp: 150917

Ion Ratio Lower Upper

77 100

105 85.6 78.8 118.8

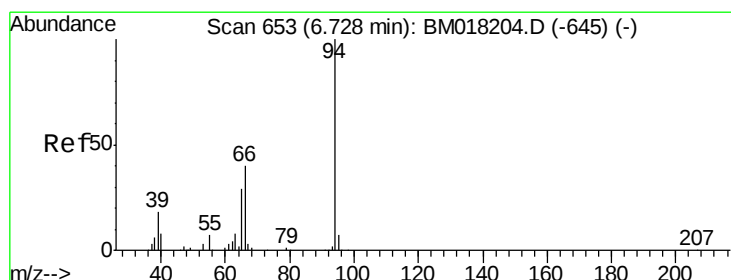
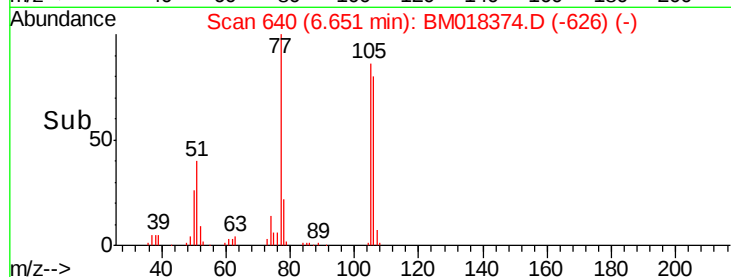
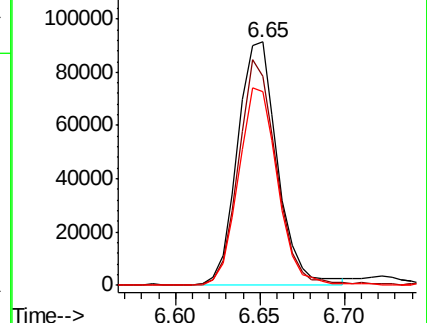
106 79.7 70.7 110.7



Abundance Ion 77.00 (76.70 to 77.70): BM018204.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM018204.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM018204.D (-636) (-)



#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

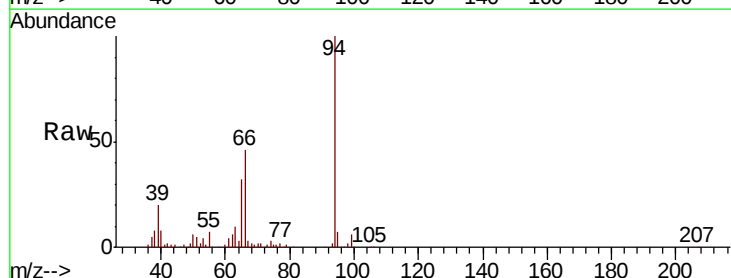
Tgt Ion: 94 Resp: 295139

Ion Ratio Lower Upper

94 100

65 32.2 9.5 49.5

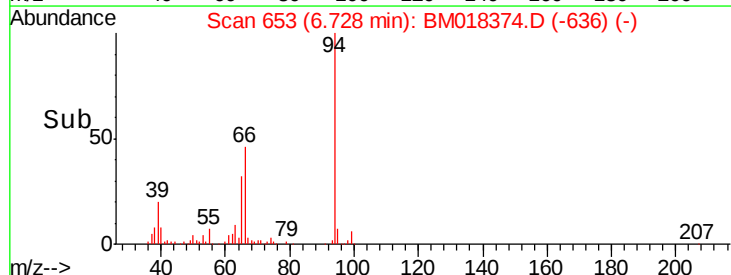
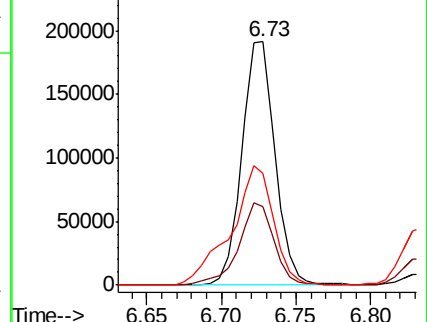
66 45.9 21.3 61.3

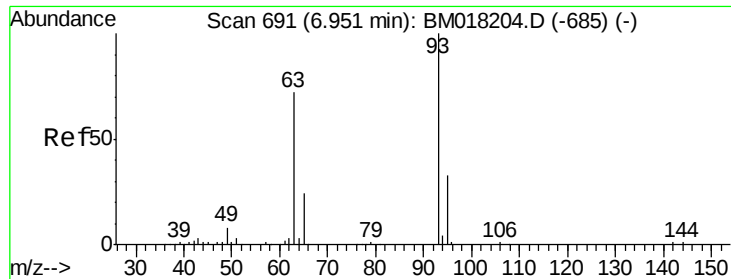


Abundance Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)

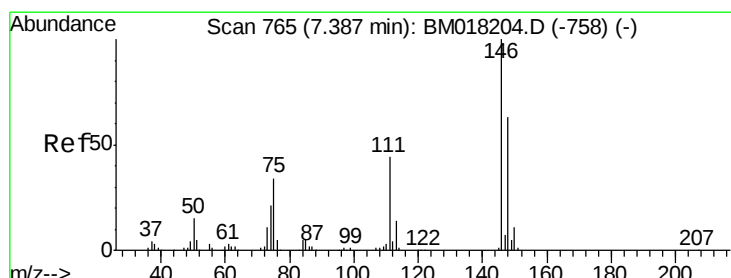
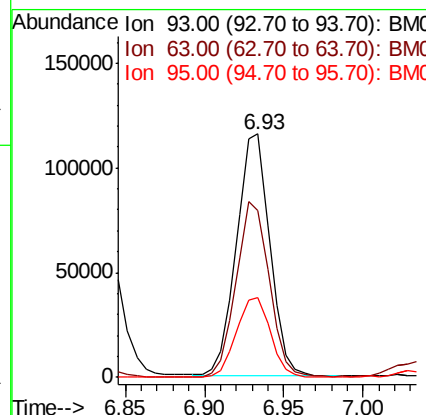
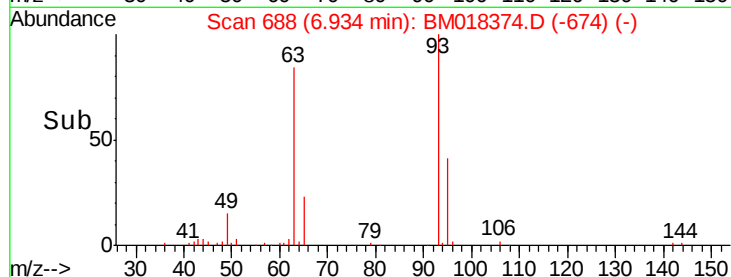
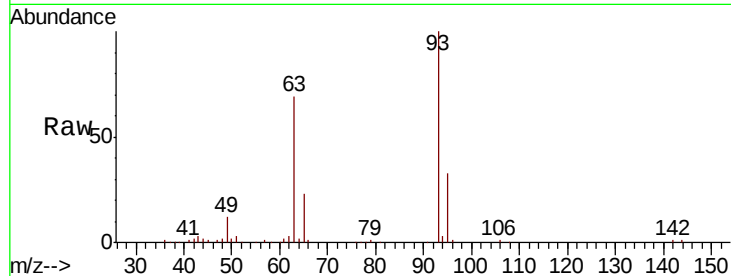




#11
 bis(2-Chloroethyl)ether
 Concen: 23.309 ng
 RT: 6.93 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

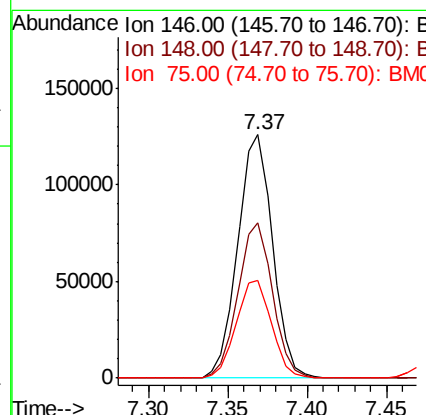
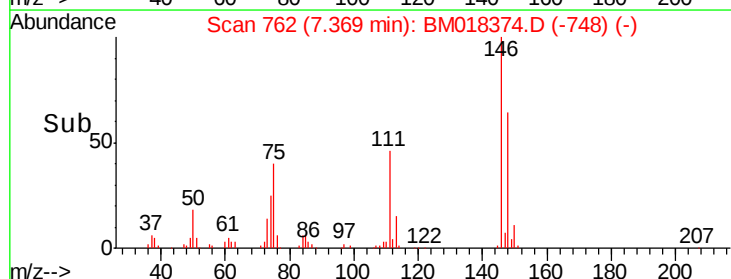
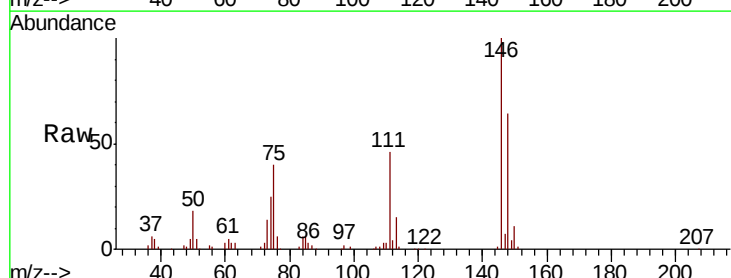
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

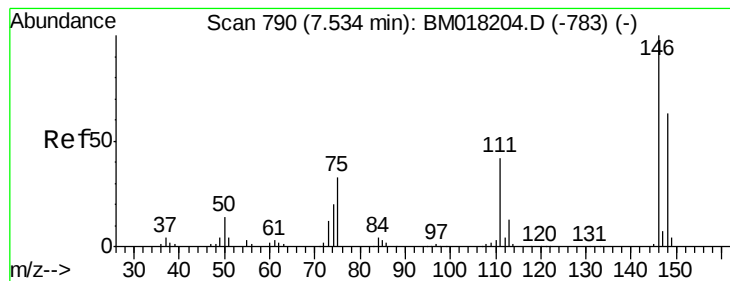
Tgt Ion: 93 Resp: 168645
 Ion Ratio Lower Upper
 93 100
 63 68.6 51.7 91.7
 95 32.9 13.1 53.1



#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: 146 Resp: 191707
 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

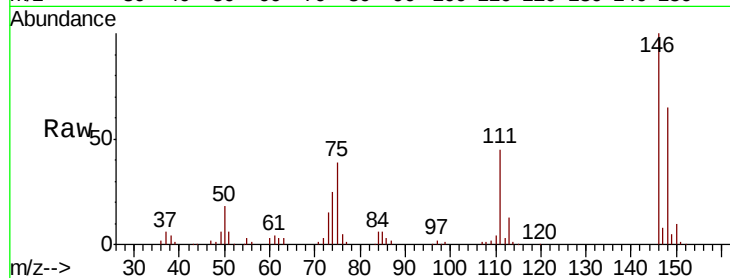
Tgt Ion:146 Resp: 192444

Ion Ratio Lower Upper

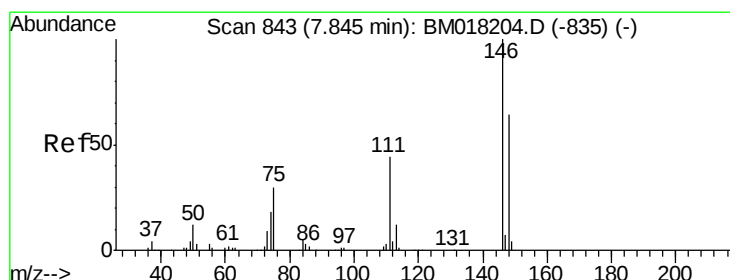
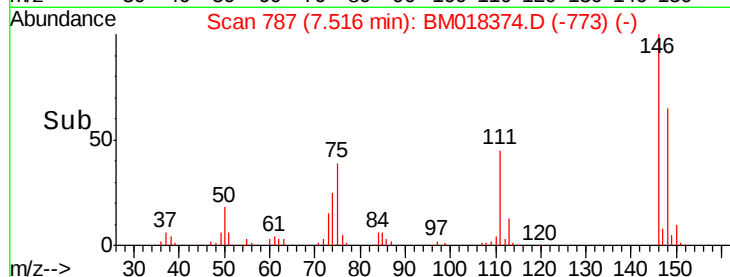
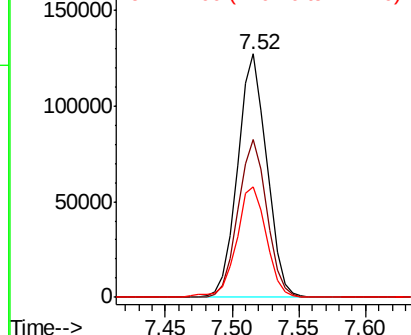
146 100

148 64.9 50.7 76.1

111 45.5 34.2 51.2



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

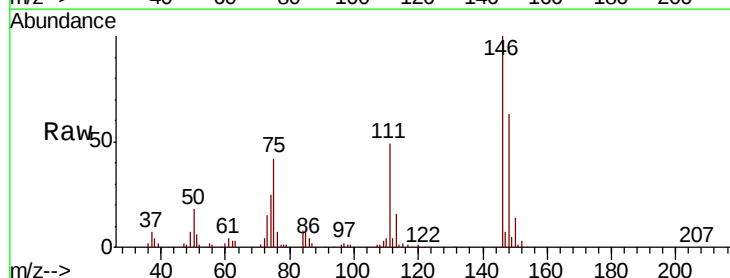
Tgt Ion:146 Resp: 186486

Ion Ratio Lower Upper

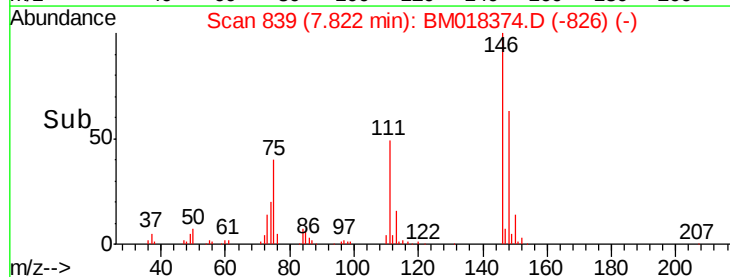
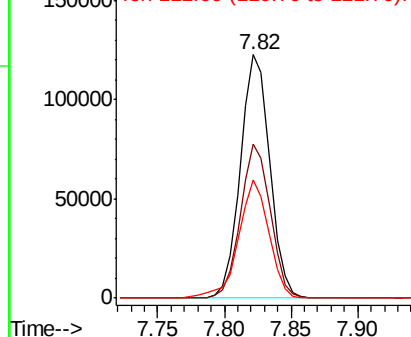
146 100

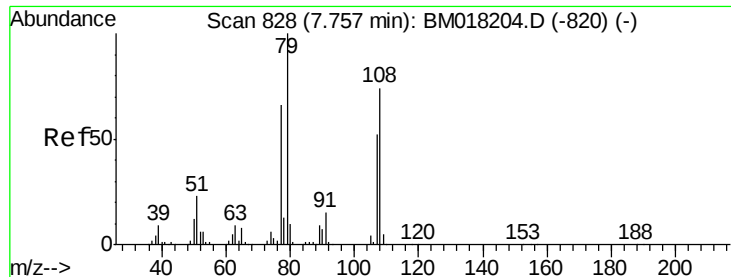
148 63.1 51.3 76.9

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

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGSMS

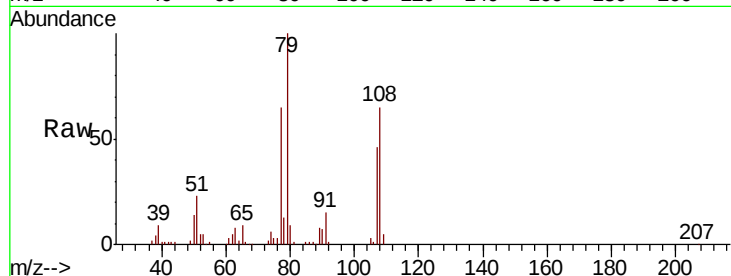
Tgt Ion: 79 Resp: 196772

Ion Ratio Lower Upper

79 100

108 64.5 59.3 88.9

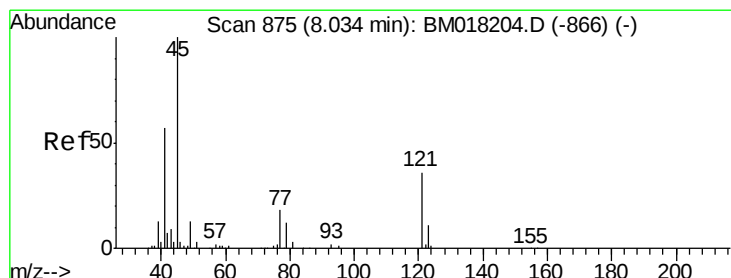
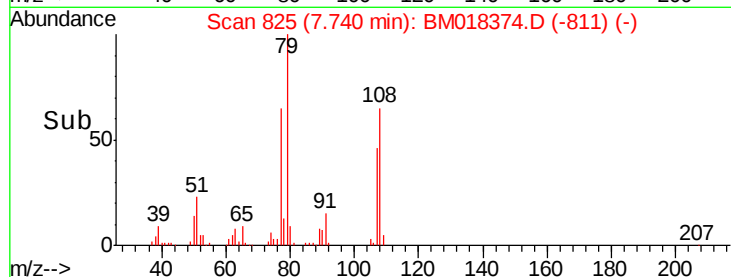
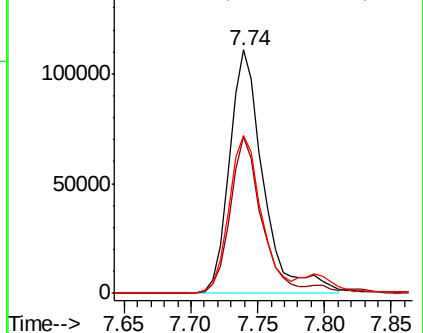
77 65.0 53.0 79.4



Abundance Ion 79.00 (78.70 to 79.70): BM018204.D (-820) (-)

Ion 108.00 (107.70 to 108.70): BM018204.D (-820) (-)

Ion 77.00 (76.70 to 77.70): BM018204.D (-820) (-)



#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

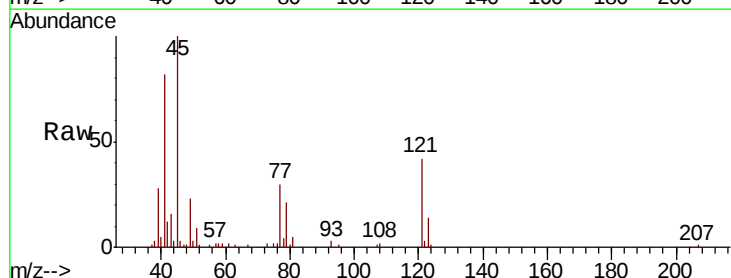
Tgt Ion: 45 Resp: 128750

Ion Ratio Lower Upper

45 100

77 30.0 2.5 42.5

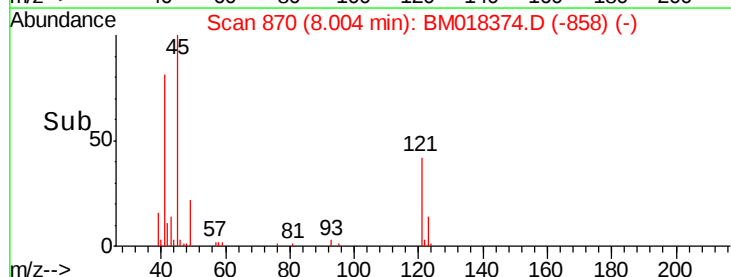
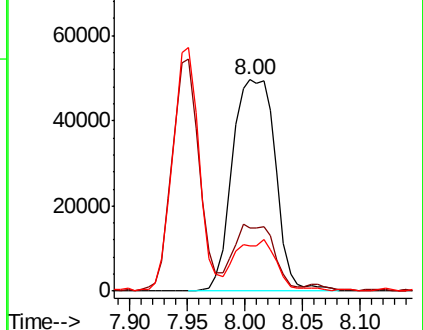
79 21.5 0.0 37.2

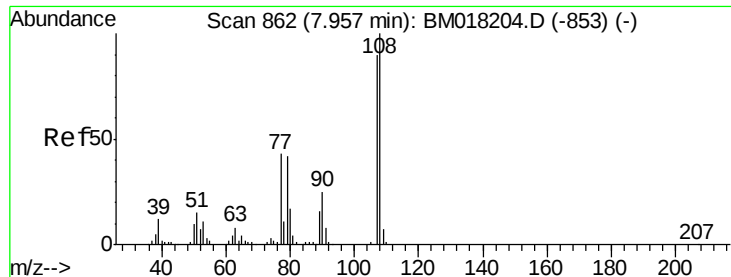


Abundance Ion 45.00 (44.70 to 45.70): BM018204.D (-866) (-)

Ion 77.00 (76.70 to 77.70): BM018204.D (-866) (-)

Ion 79.00 (78.70 to 79.70): BM018204.D (-866) (-)

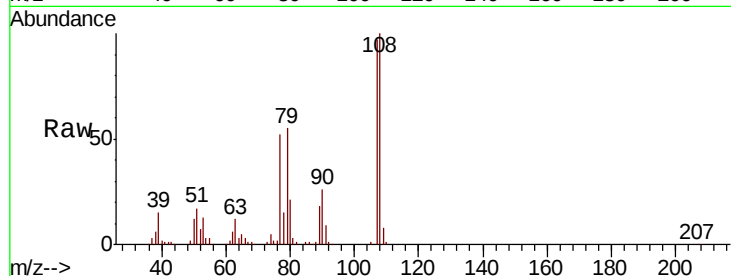




#17
2-Methylphenol
Concen: 25.835 ng
RT: 7.95 min Scan# 861
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:	107	Resp:	157044
Ion	Ratio	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



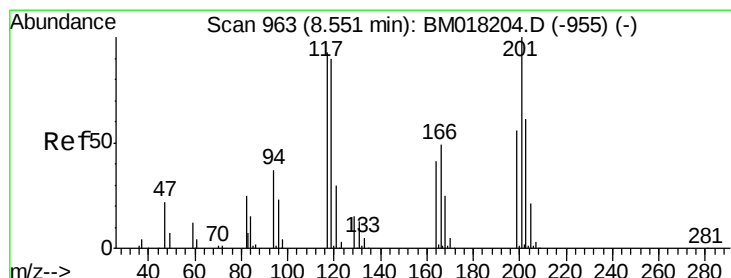
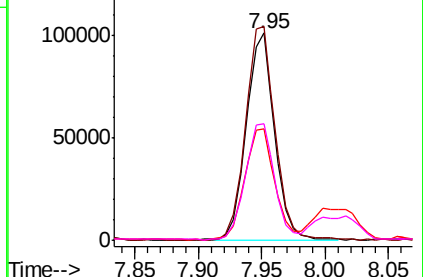
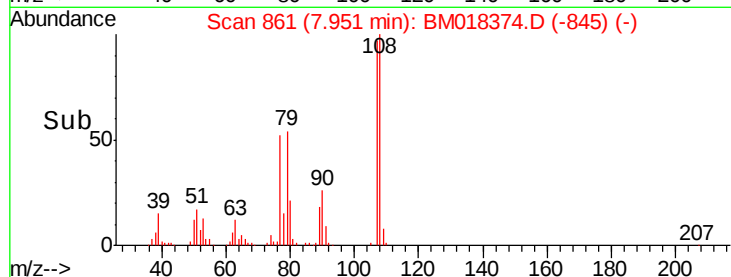
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

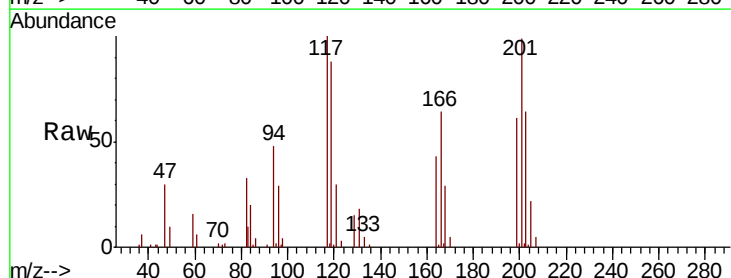
Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#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:	117	Resp:	56487
Ion	Ratio	Lower	Upper
117	100		
119	87.7	77.0	115.4
201	98.8	85.7	128.5

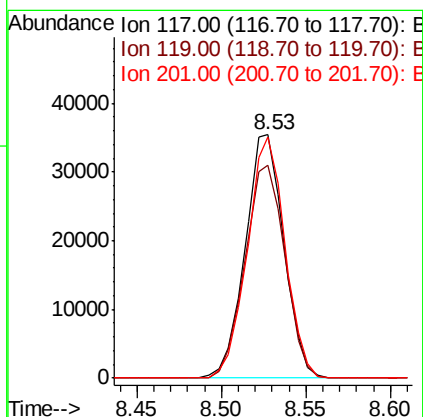
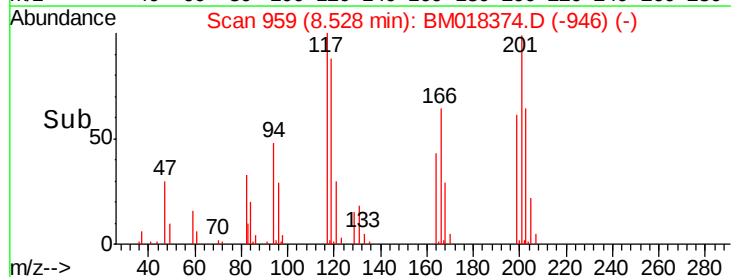


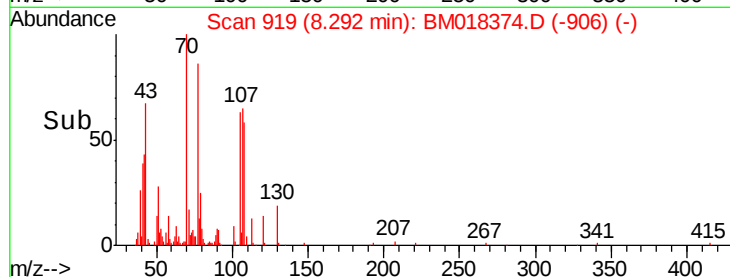
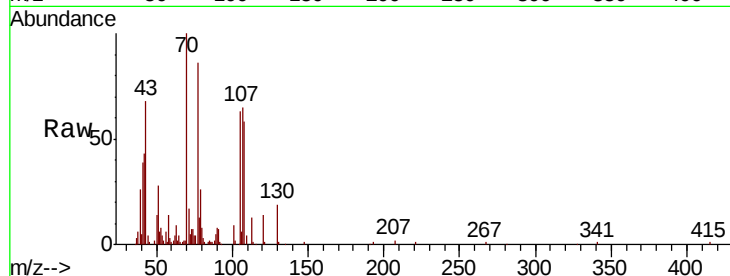
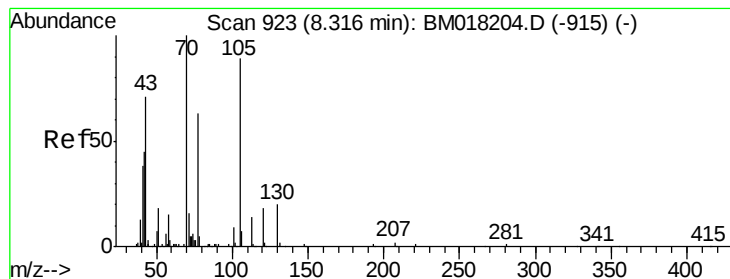
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 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

Tgt Ion: 70 Resp: 155588

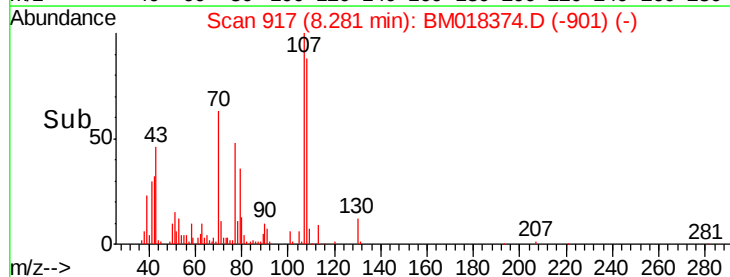
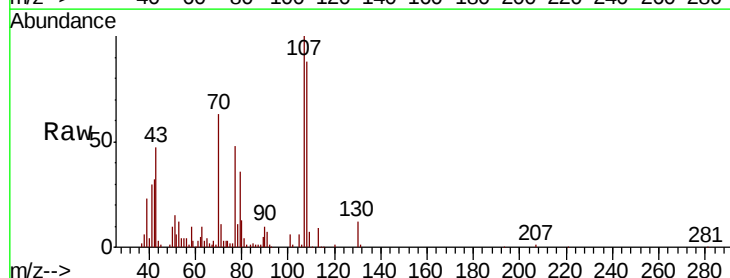
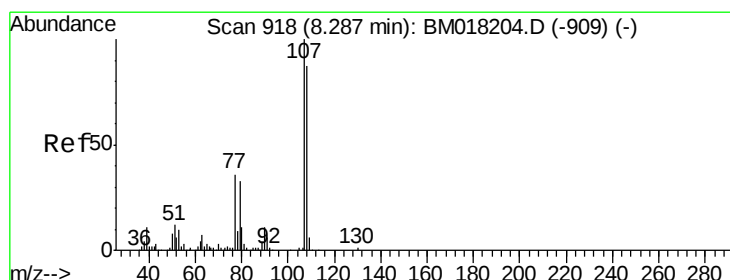
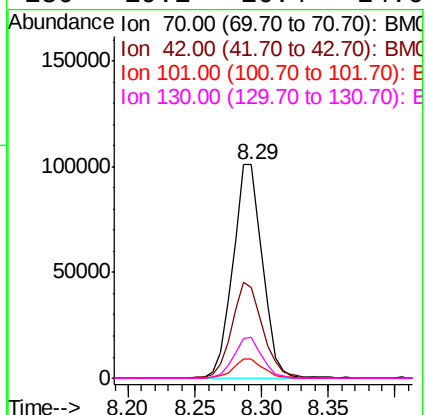
Ion Ratio Lower Upper

70 100

42 42.6 36.2 54.2

101 9.0 7.5 11.3

130 19.1 16.4 24.6



#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: 107 Resp: 207194

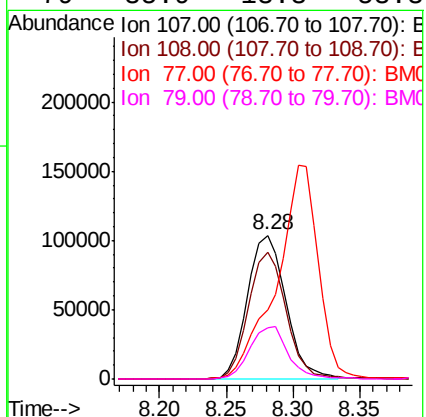
Ion Ratio Lower Upper

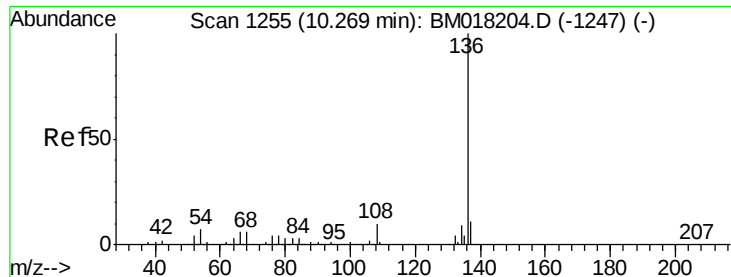
107 100

108 88.2 67.4 107.4

77 47.8 15.7 55.7

79 35.9 13.3 53.3

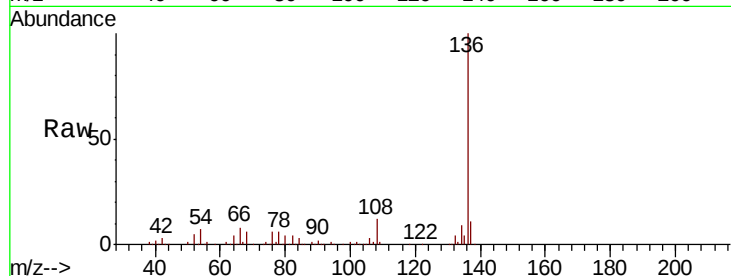




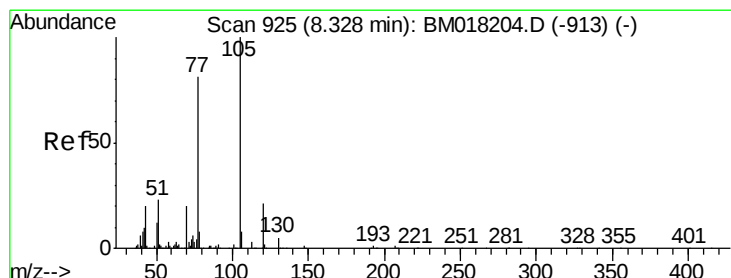
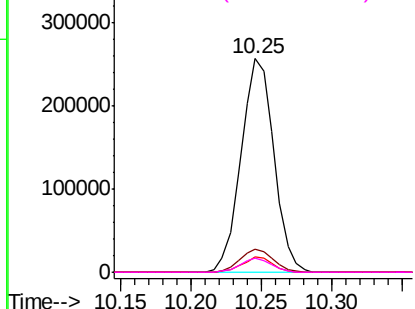
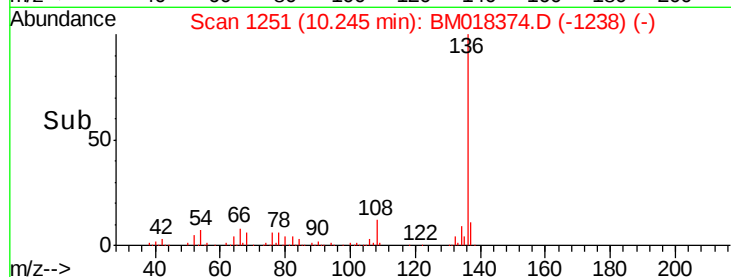
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

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

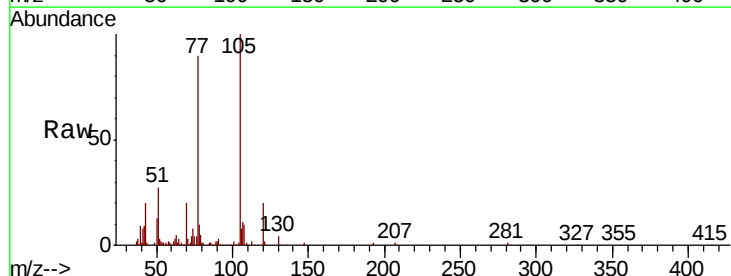


Abundance Ion 136.00 (135.70 to 136.70): E
400000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

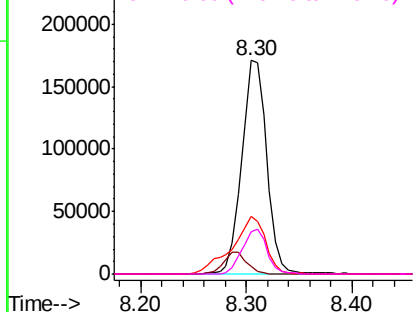
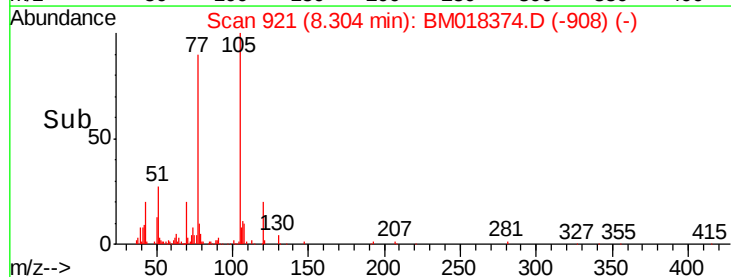


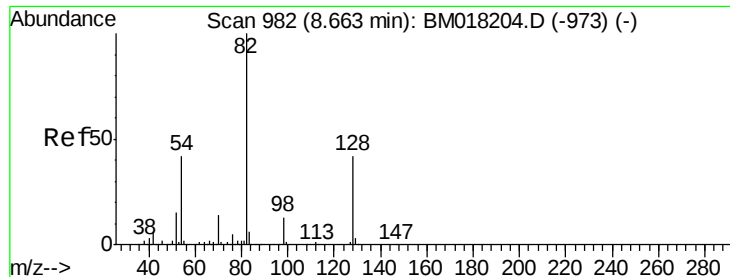
#22
Acetophenone
Concen: 25.356 ng
RT: 8.30 min Scan# 921
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion:	105	Resp:	281073
Ion	Ratio	Lower	Upper
105	100		
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

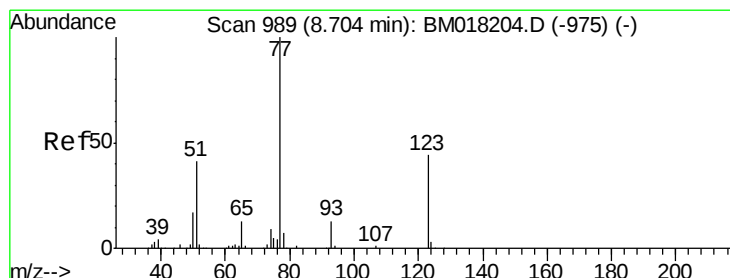
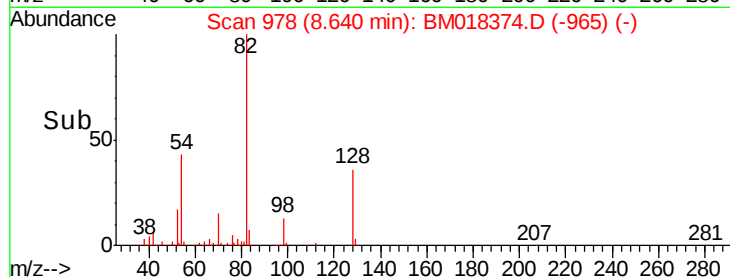
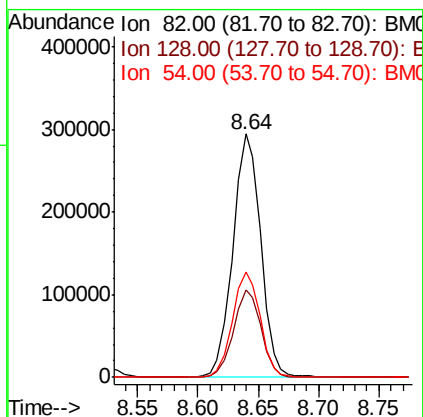
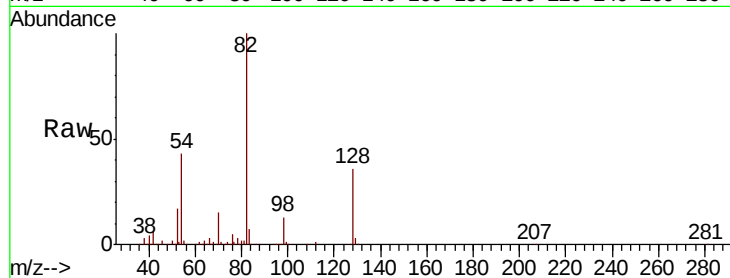




#23
 Nitrobenzene-d5
 Concen: 58.236 ng
 RT: 8.64 min Scan# 978
 Delta R.T. -0.02 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

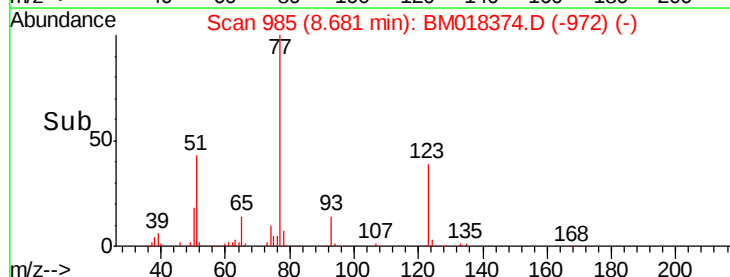
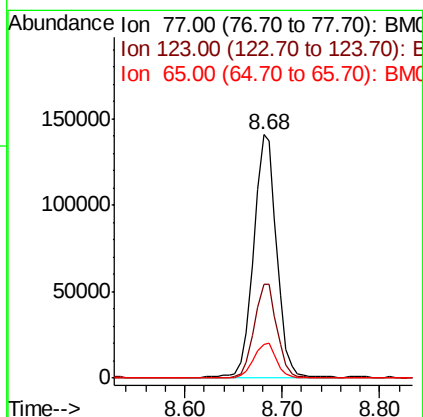
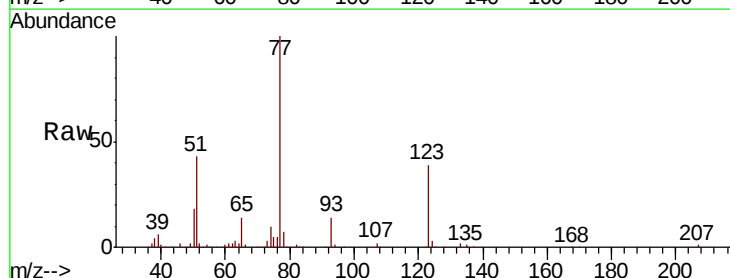
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

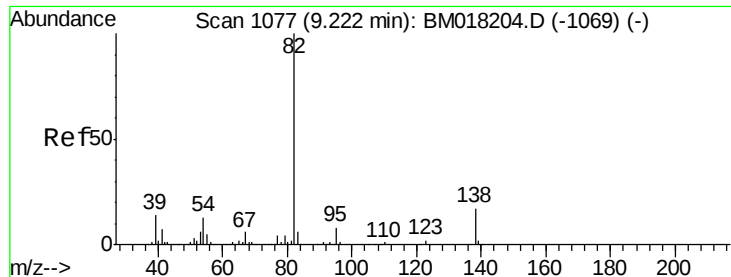
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.9	33.4	50.2
54	43.1	33.4	50.2



#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

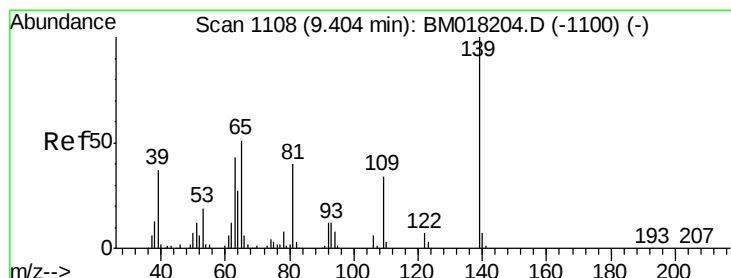
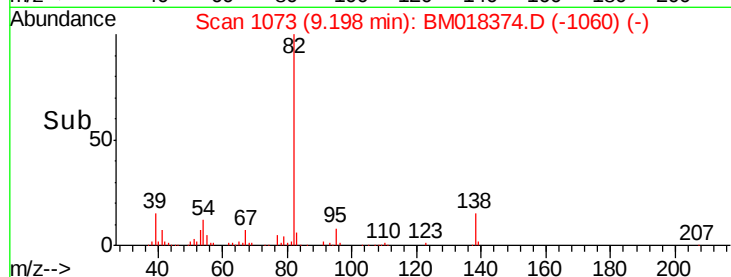
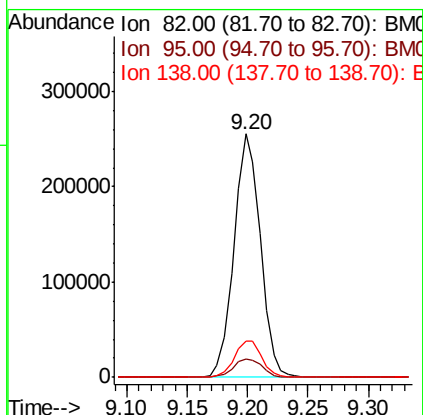
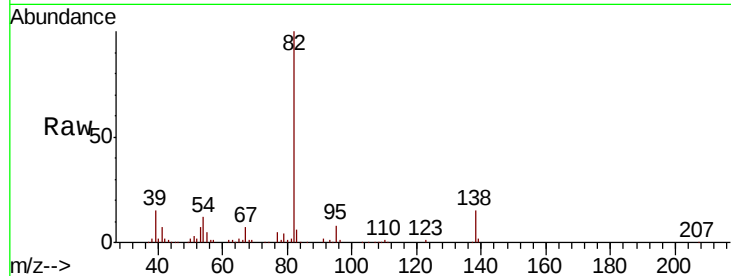




#25
Isophorone
Concen: 28.794 ng
RT: 9.20 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

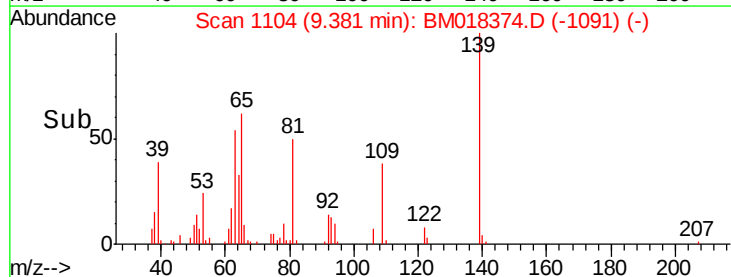
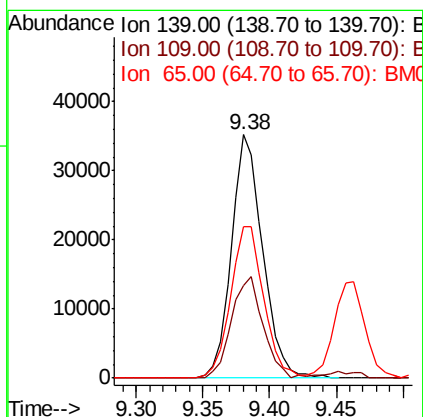
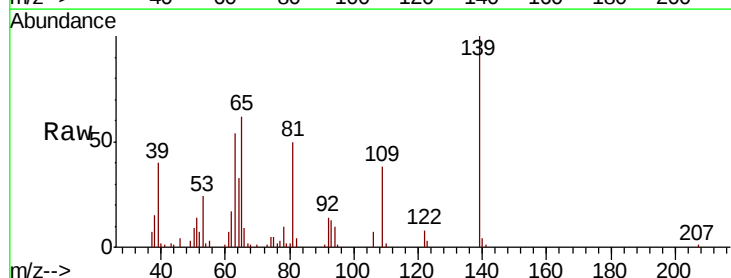
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

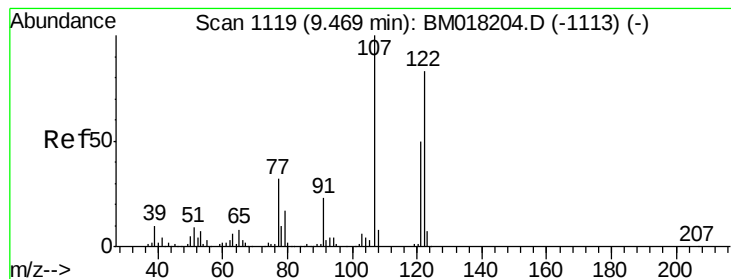
Tgt Ion: 82 Resp: 391488
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 15.1 13.9 20.9



#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: 139 Resp: 57452
Ion Ratio Lower Upper
139 100
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

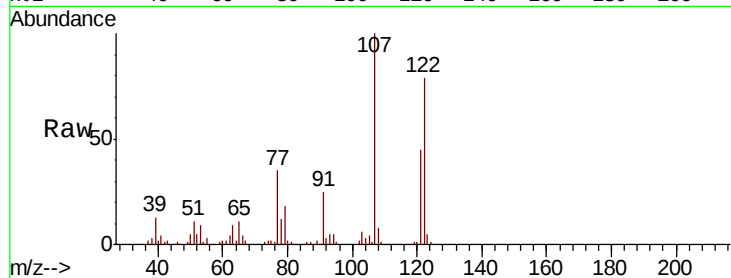
Tgt Ion:122 Resp: 161913

Ion Ratio Lower Upper

122 100

107 126.8 96.5 144.7

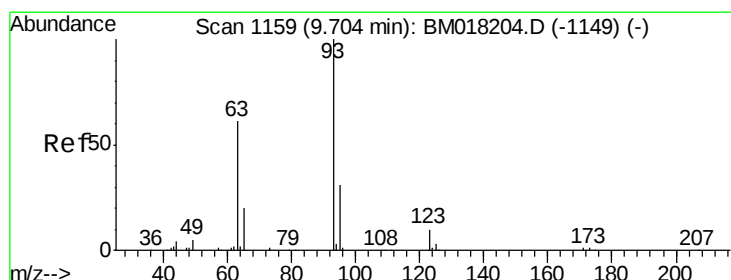
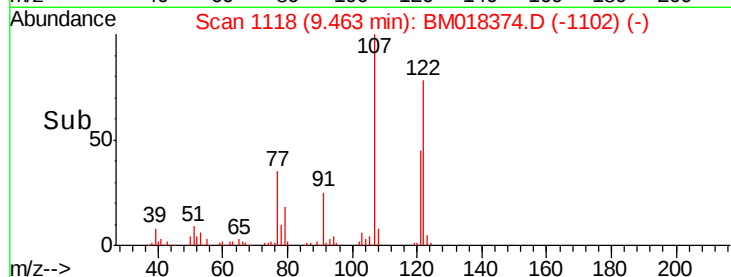
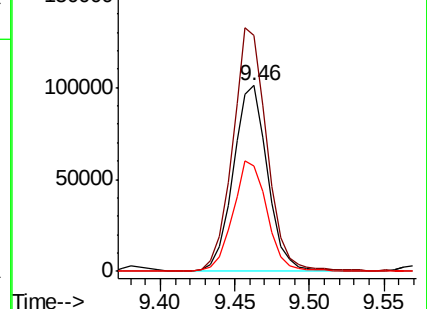
121 56.7 48.2 72.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#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

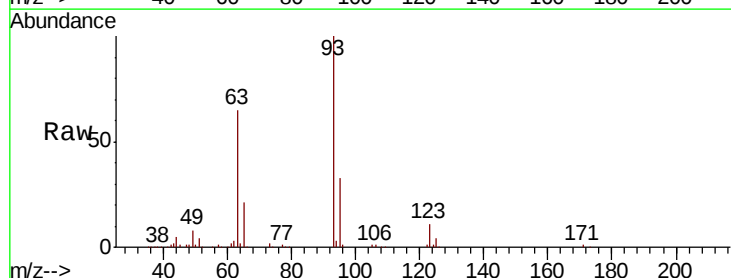
Tgt Ion: 93 Resp: 225350

Ion Ratio Lower Upper

93 100

95 33.5 25.3 37.9

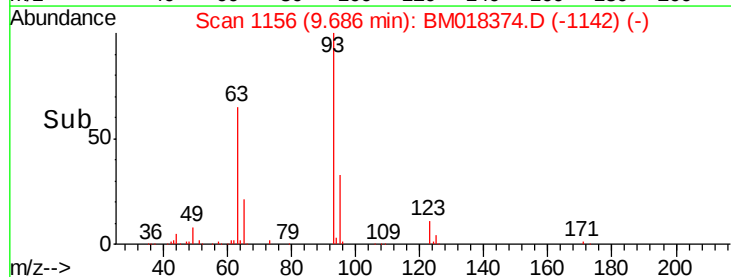
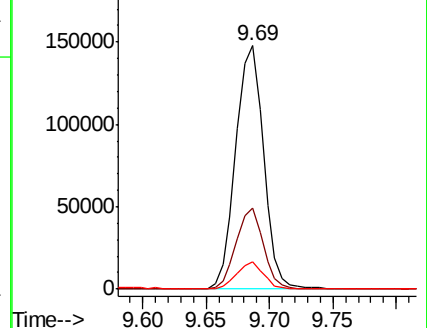
123 11.4 9.3 13.9

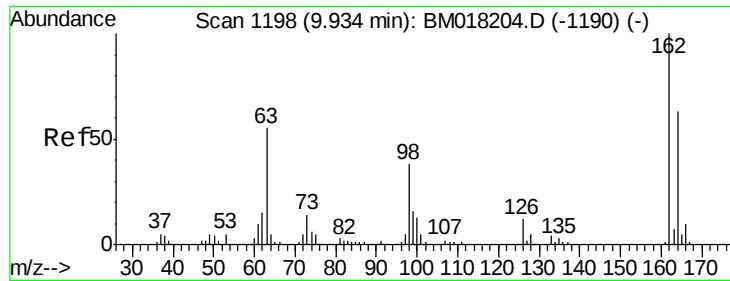


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

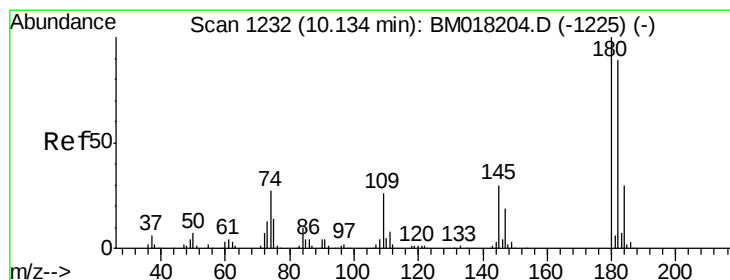
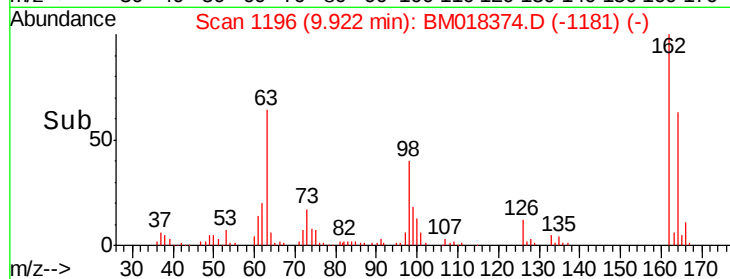
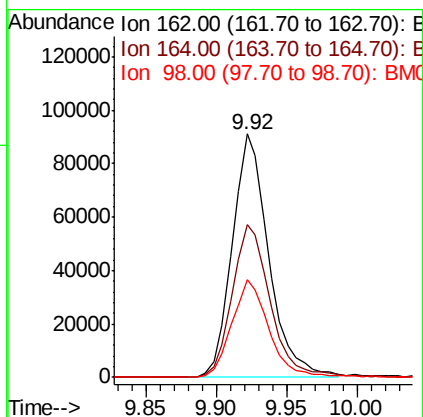
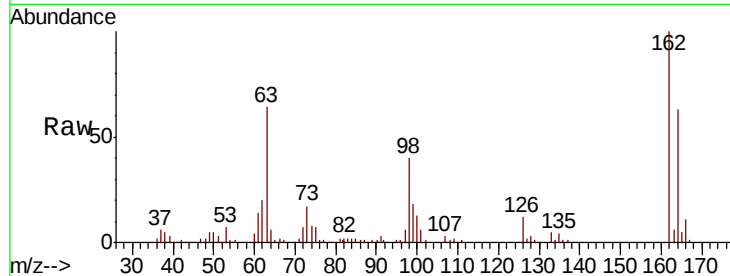




#29
 2,4-Dichlorophenol
 Concen: 25.681 ng
 RT: 9.92 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

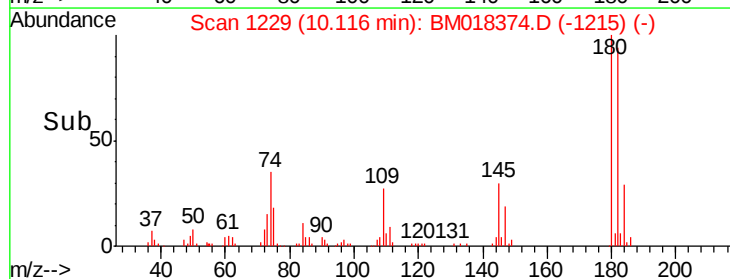
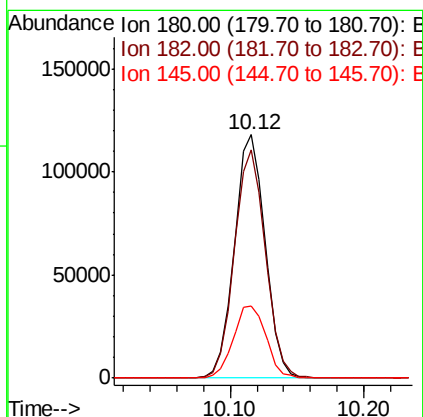
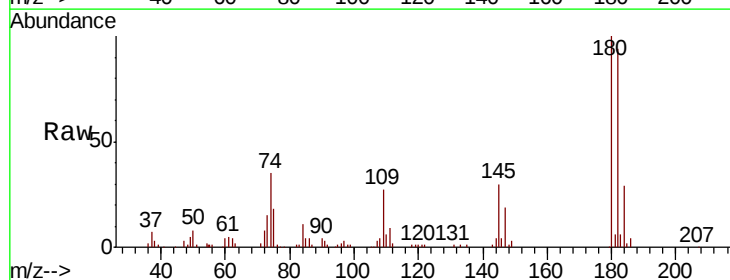
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

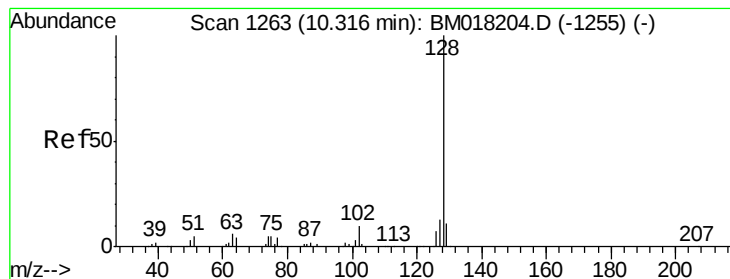
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.0	83.0
98	40.3	18.3	58.3



#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	Lower	Upper
180	100		
182	93.9	71.4	107.2
145	29.8	24.4	36.6

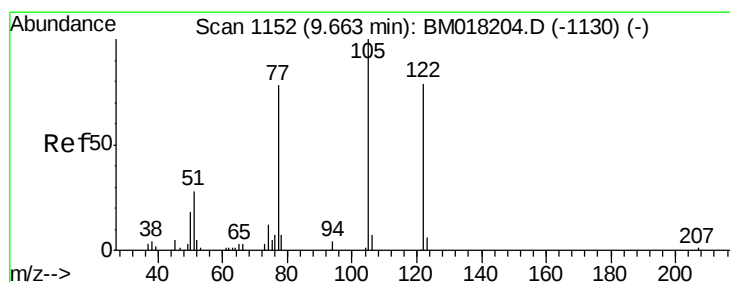
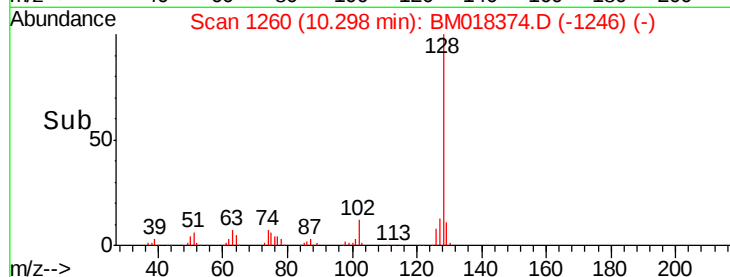
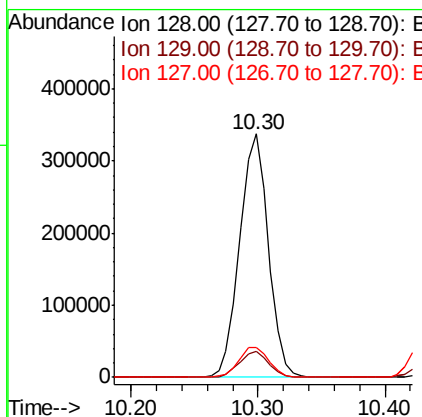
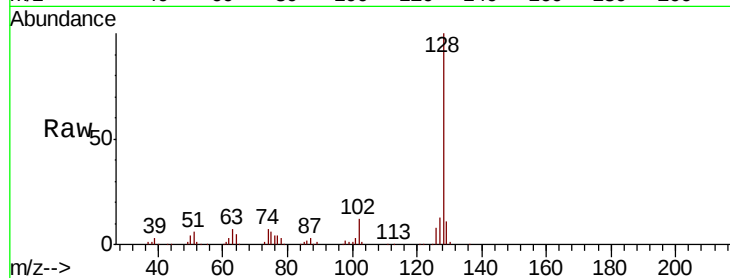




#31
Naphthalene
Concen: 25.906 ng
RT: 10.30 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

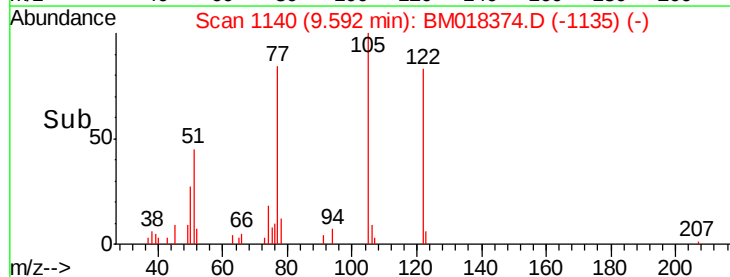
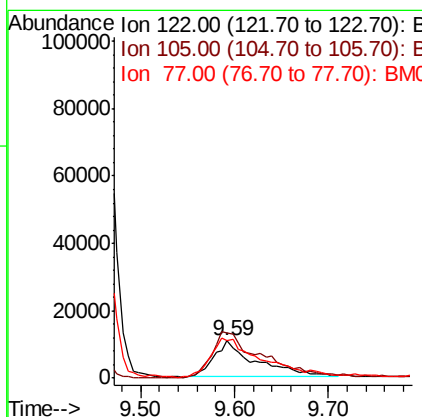
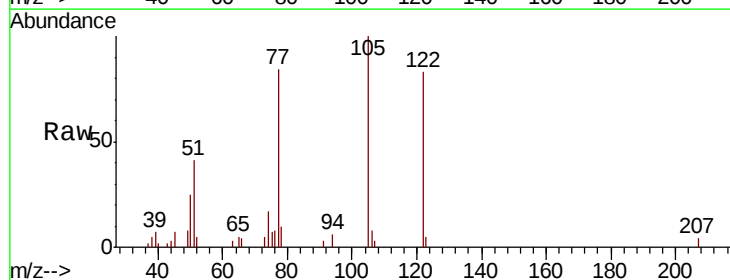
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

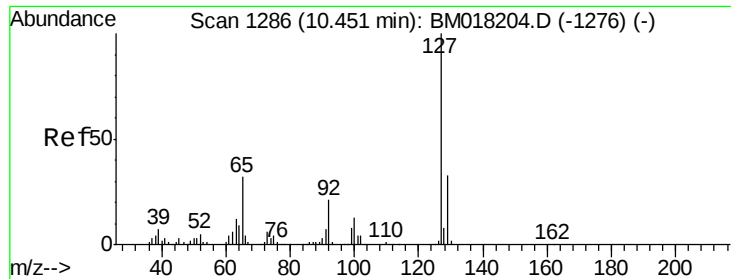
Tgt Ion:128 Resp: 530627
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.5 10.4 15.6



#32
Benzoic acid
Concen: 6.040 ng
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: 32988
Ion Ratio Lower Upper
122 100
105 120.6 104.8 144.8
77 101.7 77.7 117.7

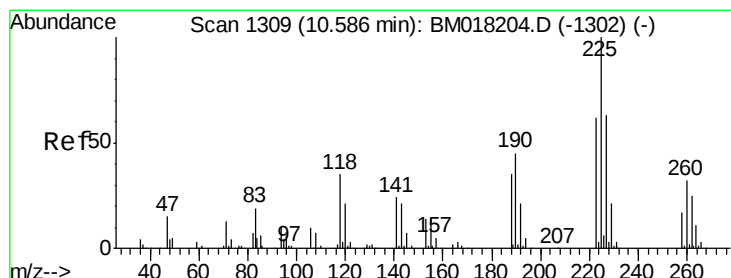
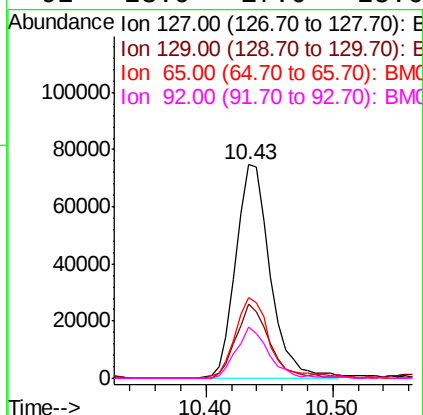
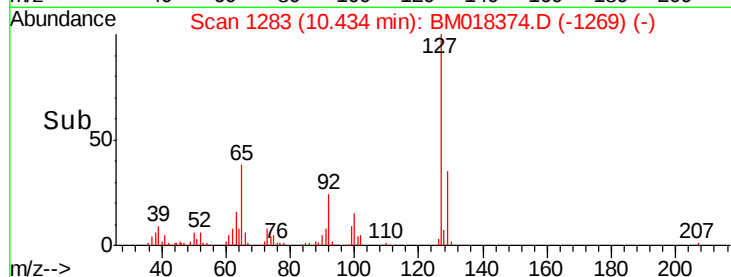
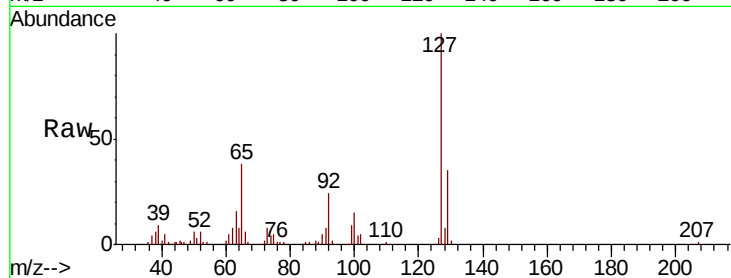




#33
4-Chloroaniline
Concen: 15.681 ng
RT: 10.43 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

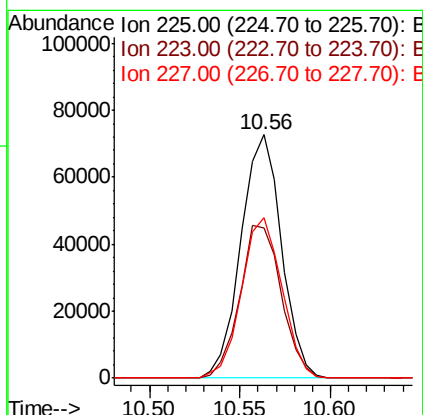
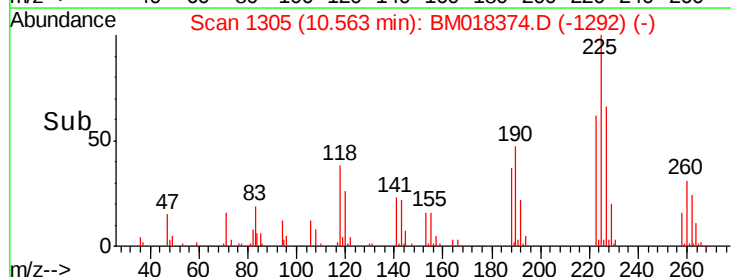
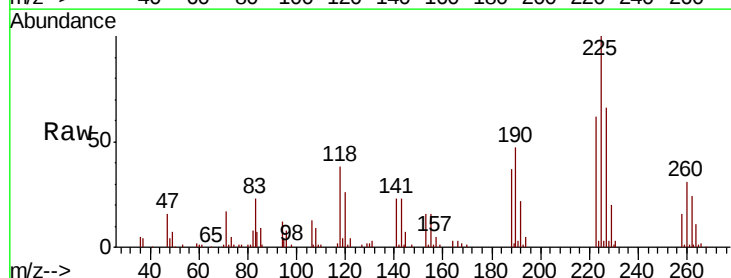
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

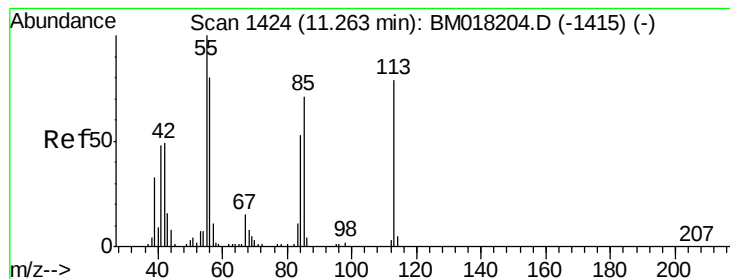
Tgt Ion:	127	Resp:	140695
Ion	Ratio	Lower	Upper
127	100		
129	35.0	26.4	39.6
65	38.0	25.6	38.4
92	23.9	17.0	25.6



#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:	225	Resp:	112973
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

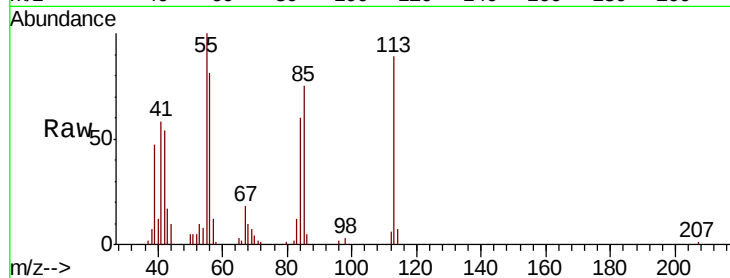
Tgt Ion:113 Resp: 48310

Ion Ratio Lower Upper

113 100

55 111.9 105.9 145.9

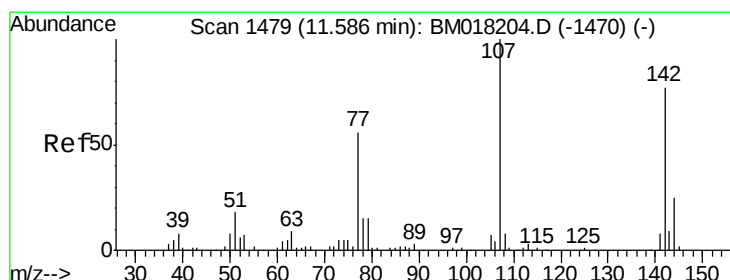
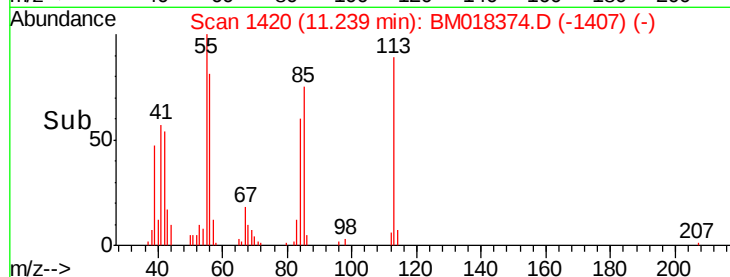
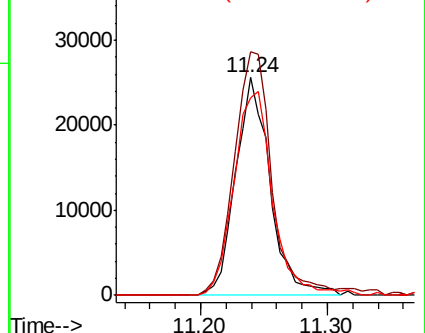
56 90.8 80.1 120.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#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

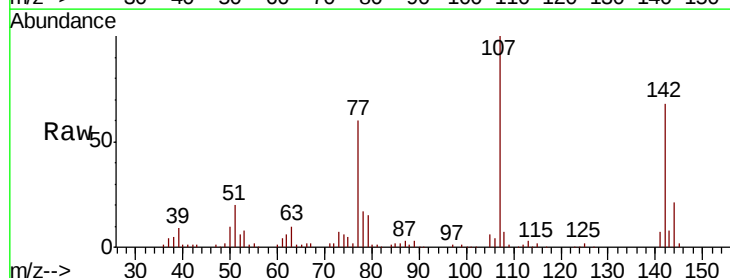
Tgt Ion:107 Resp: 185006

Ion Ratio Lower Upper

107 100

144 21.3 20.1 30.1

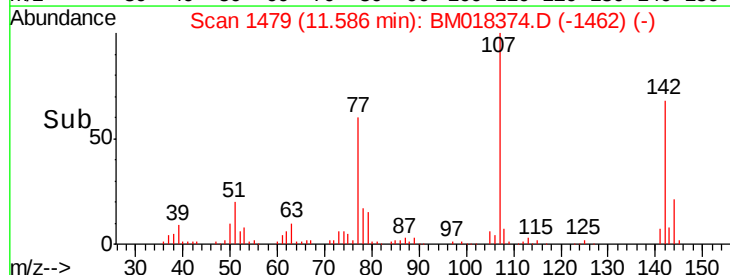
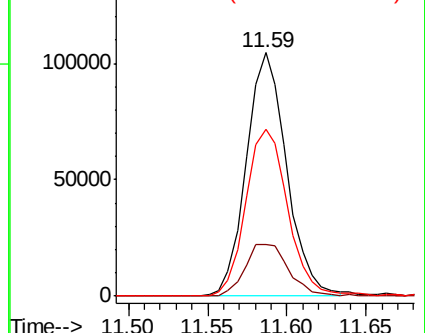
142 68.4 61.7 92.5

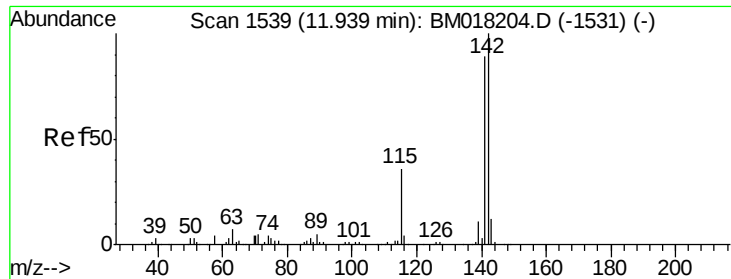


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

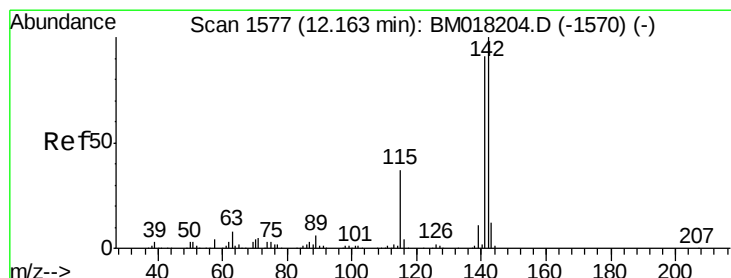
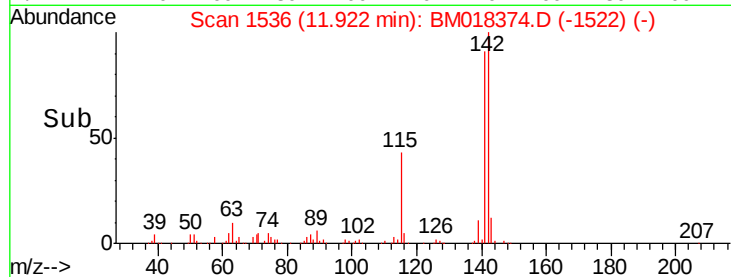
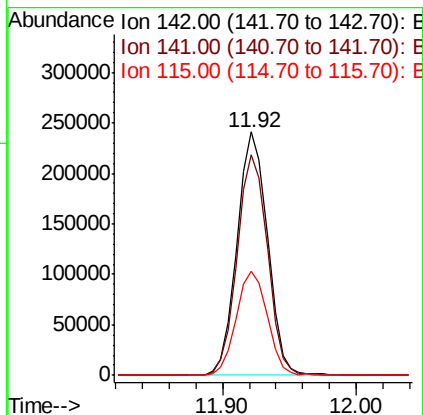
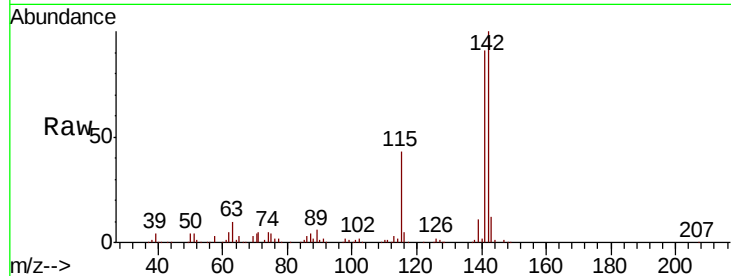




#37
 2-Methylnaphthalene
 Concen: 26.418 ng
 RT: 11.92 min Scan# 1536
 Delta R.T. -0.02 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

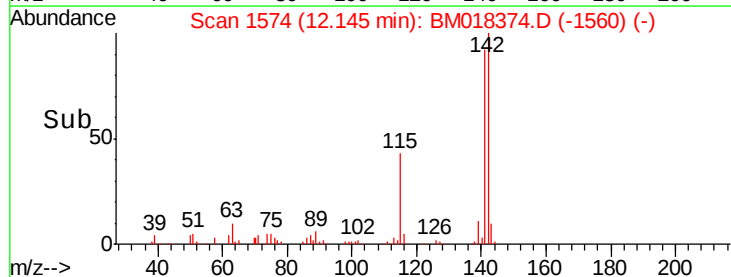
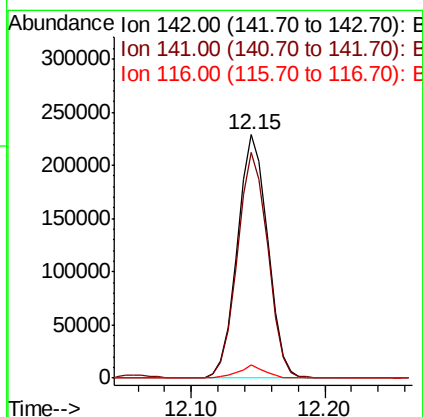
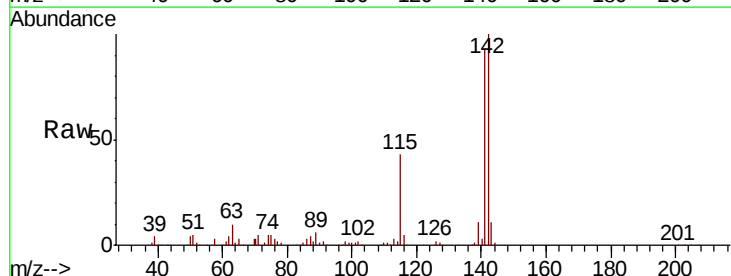
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

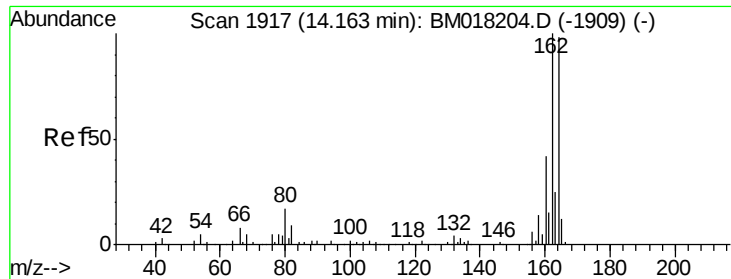
Tgt Ion:142 Resp: 381606
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.4 107.2
 115 42.9 29.0 43.6



#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:142 Resp: 360219
 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

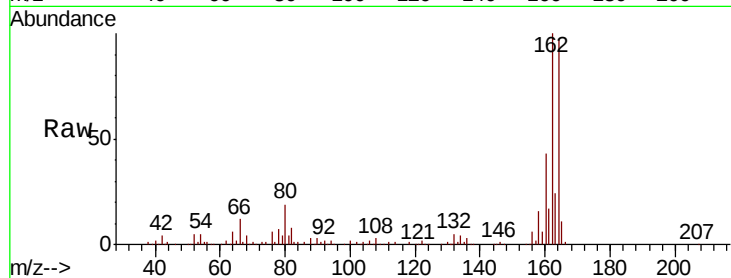
Tgt Ion:164 Resp: 224893

Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

160 44.7 34.6 51.8

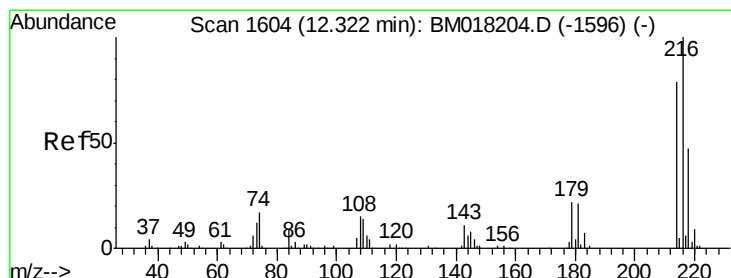
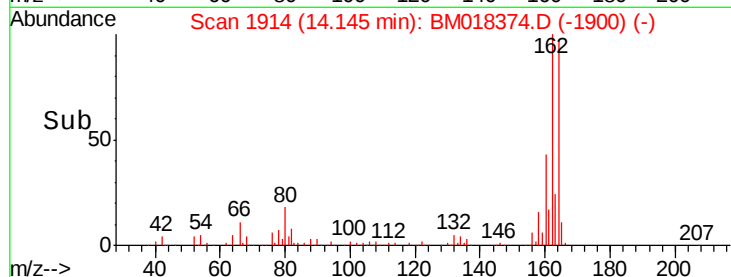
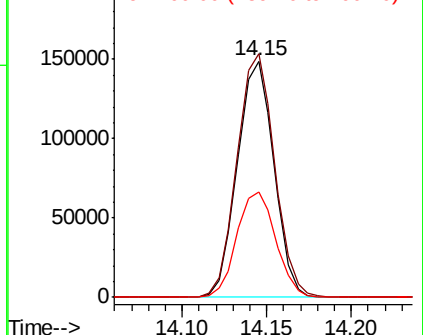


Abundance

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:216 Resp: 203066

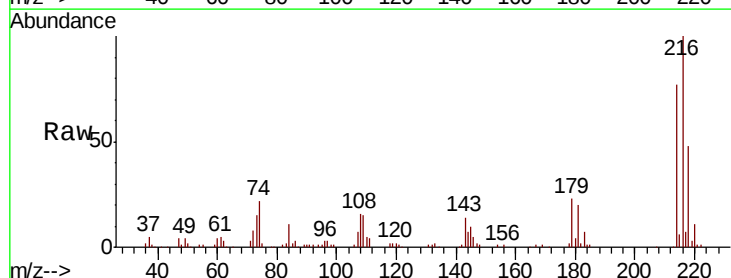
Ion Ratio Lower Upper

216 100

214 78.5 63.4 95.0

179 22.7 17.2 25.8

108 18.4 14.6 21.8



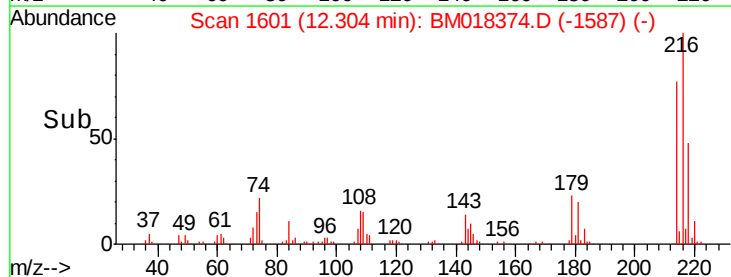
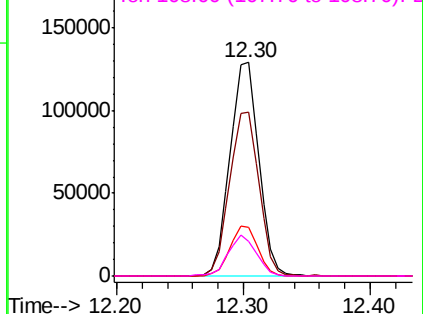
Abundance

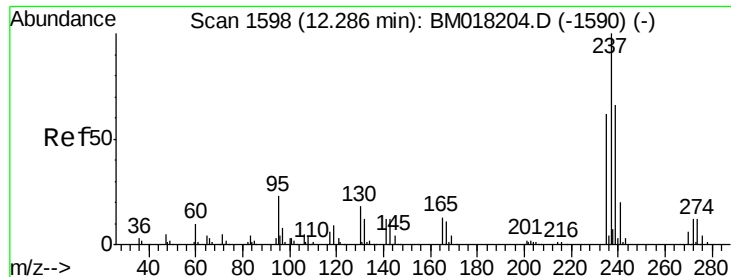
Ion 216.00 (215.70 to 216.70): E

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

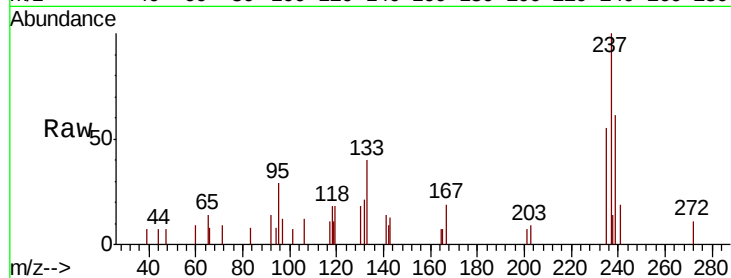
Tgt Ion: 237 Resp: 6108

Ion Ratio Lower Upper

237 100

235 55.3 42.1 82.1

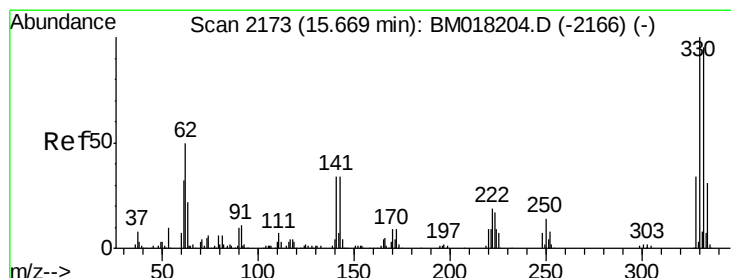
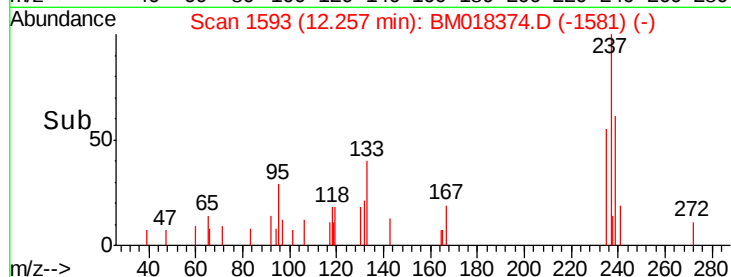
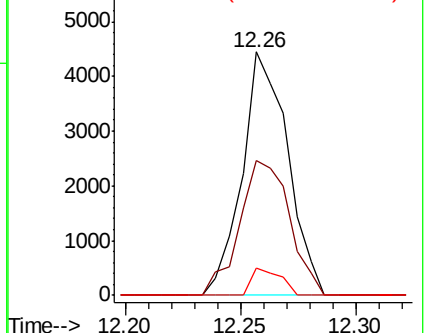
272 11.2 0.0 32.1



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

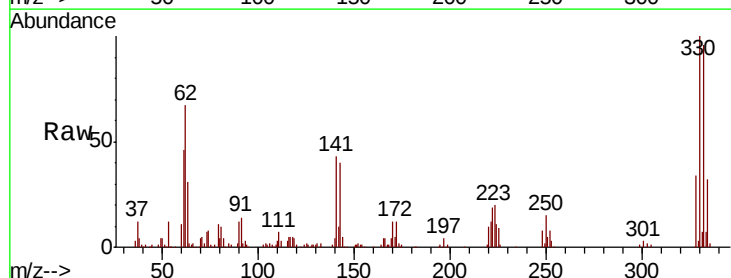
Tgt Ion: 330 Resp: 200037

Ion Ratio Lower Upper

330 100

332 96.5 78.6 118.0

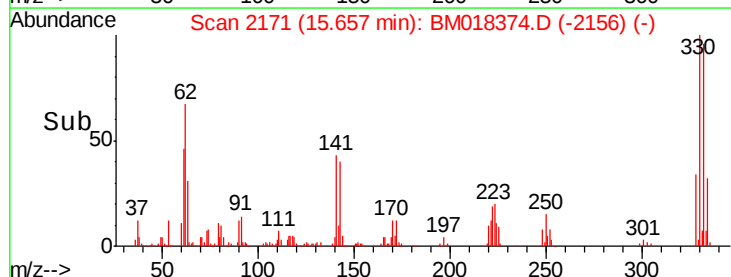
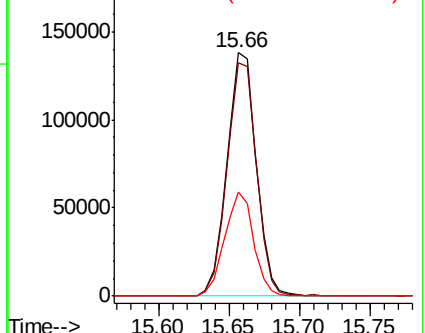
141 42.1 27.1 40.7#

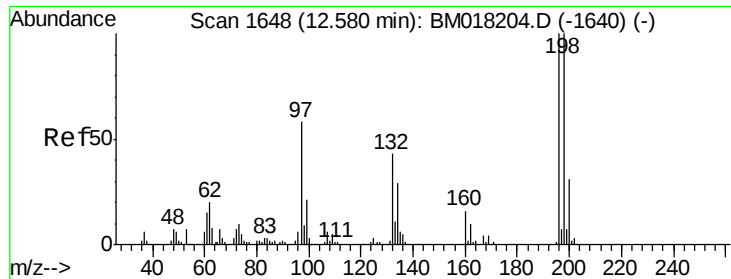


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

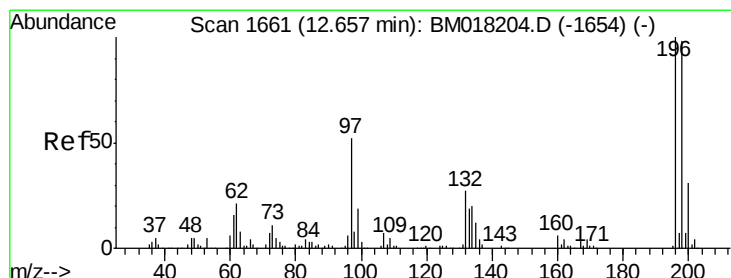
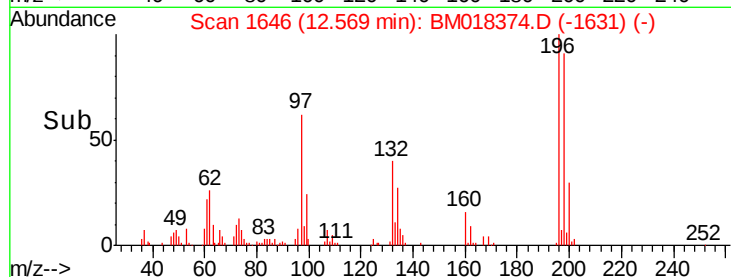
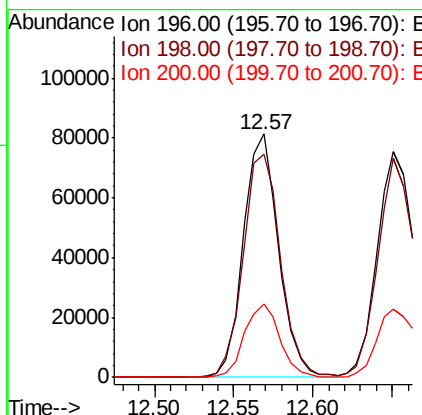
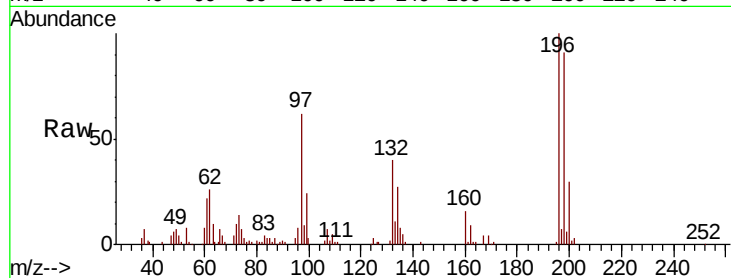




#43
 2,4,6-Trichlorophenol
 Concen: 25.281 ng
 RT: 12.57 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

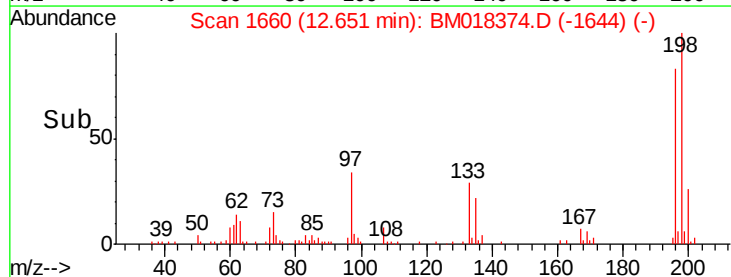
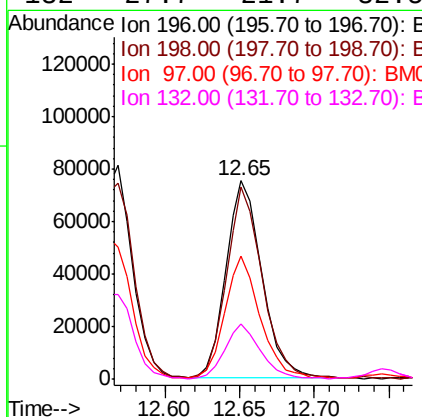
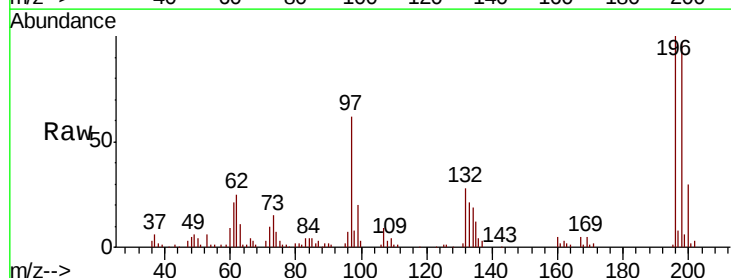
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

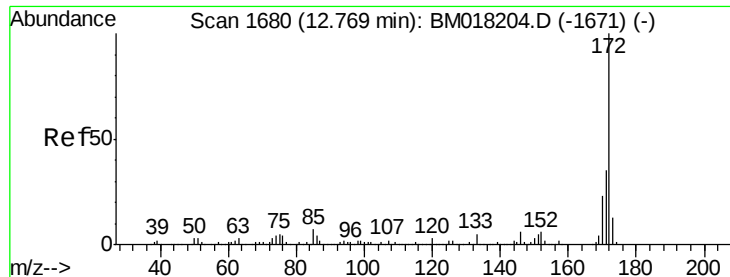
Tgt Ion:196 Resp: 125746
 Ion Ratio Lower Upper
 196 100
 198 91.4 80.1 120.1
 200 30.0 24.9 37.3



#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

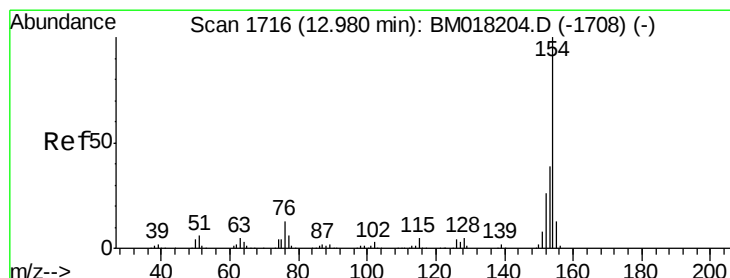
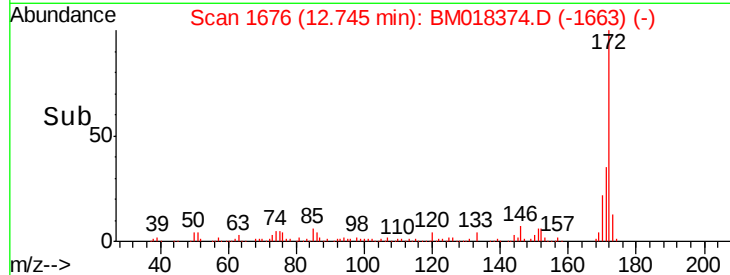
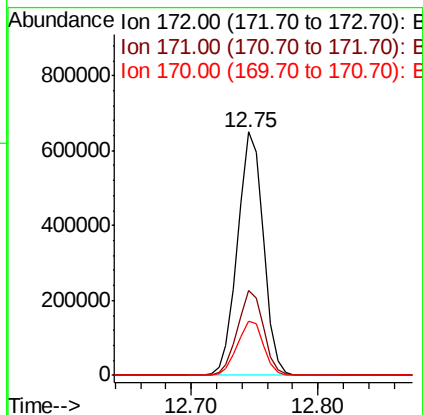
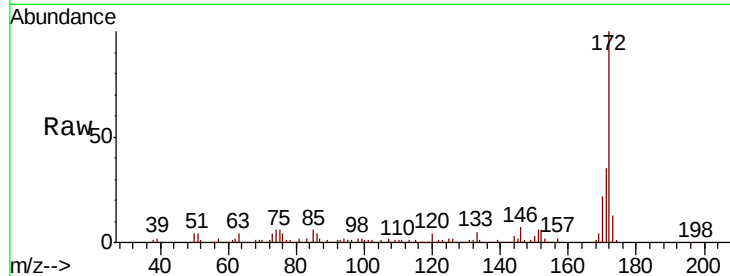




#45
 2-Fluorobiphenyl
 Concen: 52.591 ng
 RT: 12.75 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

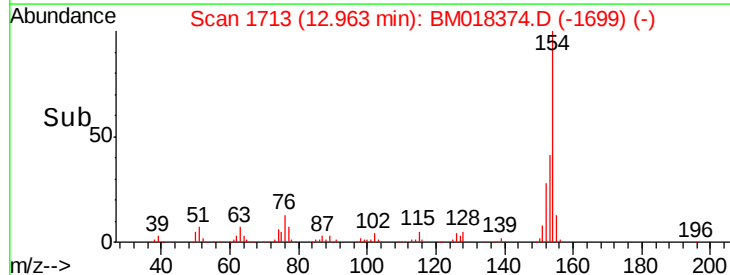
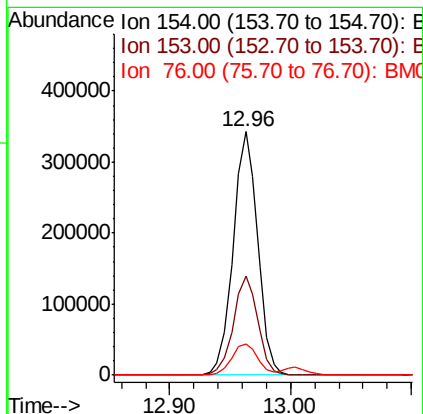
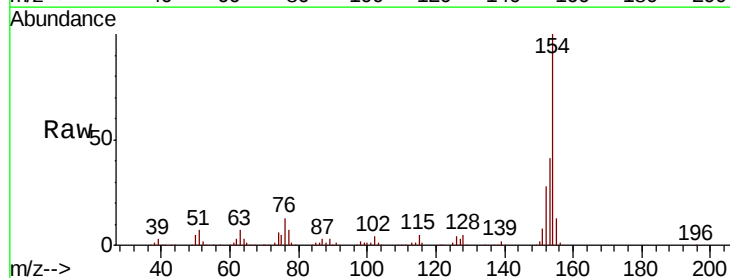
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

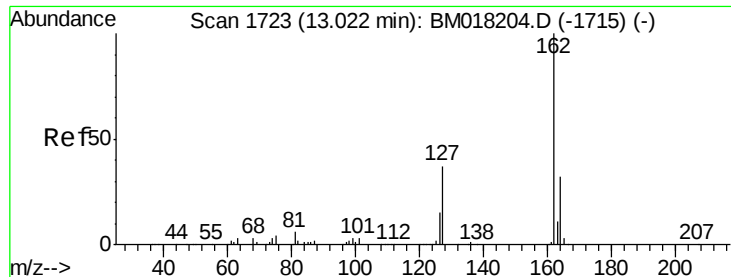
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	22.2	18.1	27.1



#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

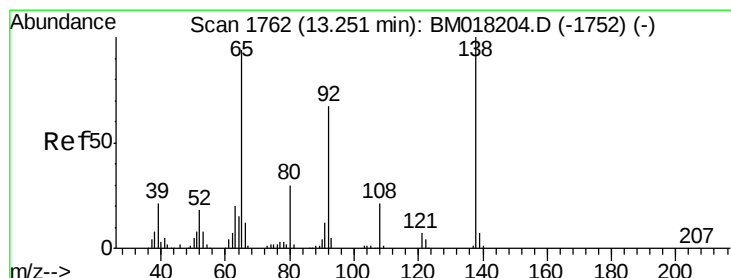
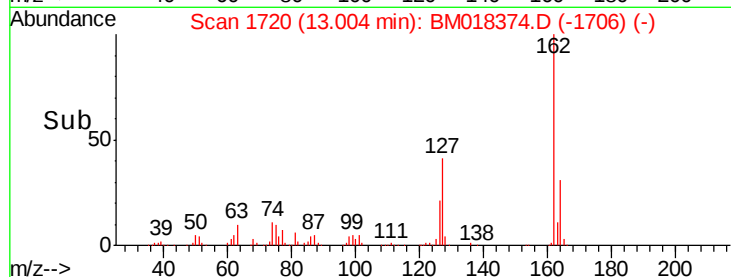
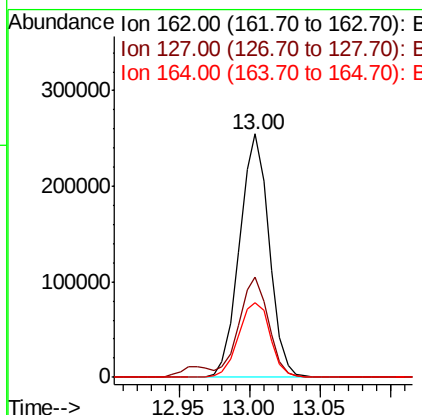
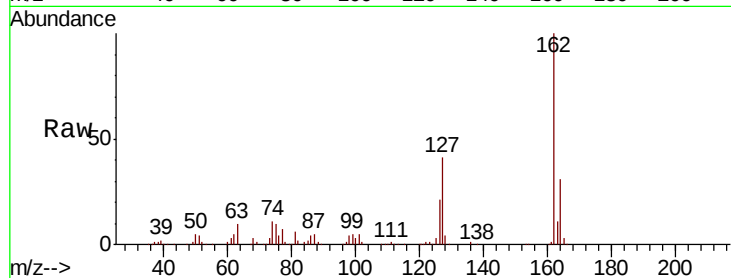




#47
2-Chloronaphthalene
Concen: 25.037 ng
RT: 13.00 min Scan# 1720
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

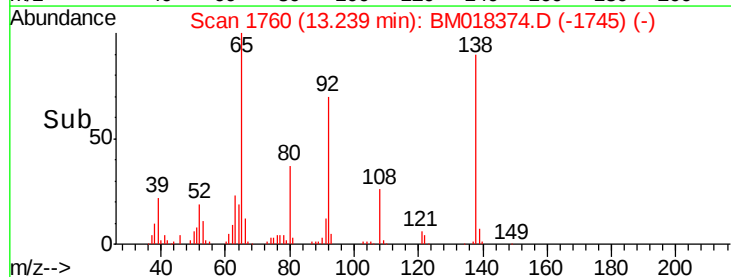
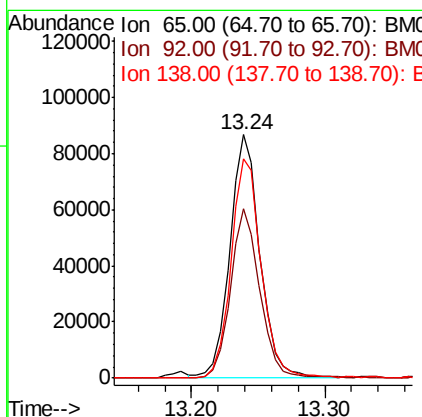
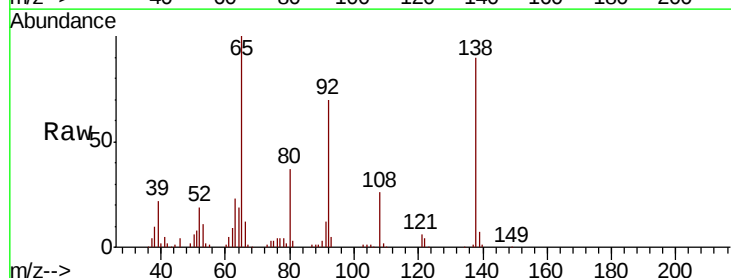
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

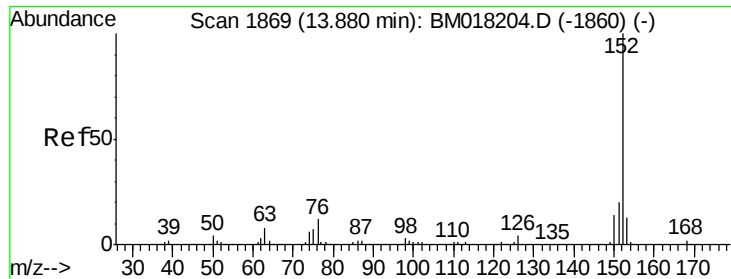
Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.2	31.8	47.8
164	30.6	25.9	38.9



#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

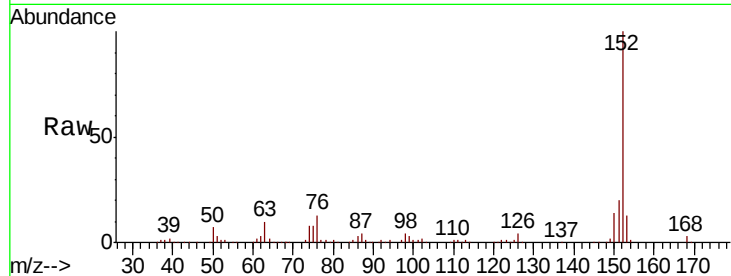
Tgt Ion:152 Resp: 577169

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

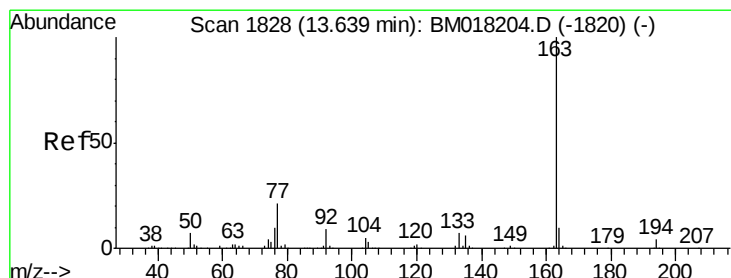
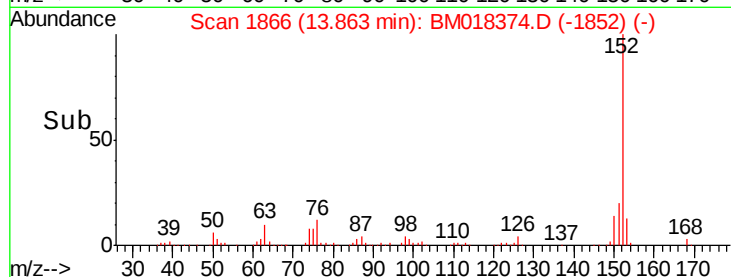
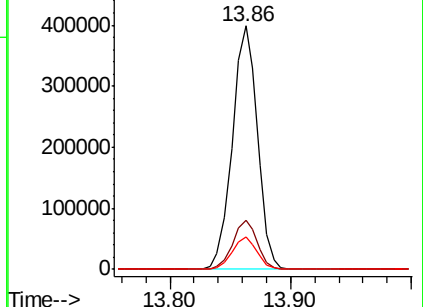
153 13.2 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 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

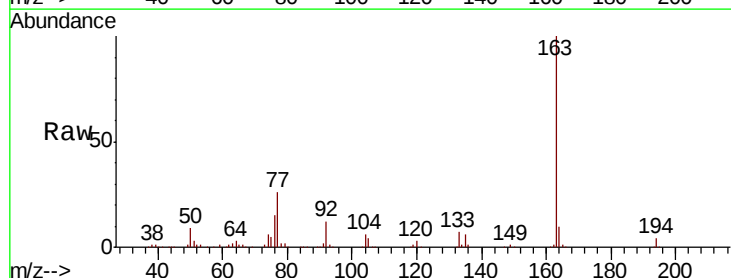
Tgt Ion:163 Resp: 554091

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

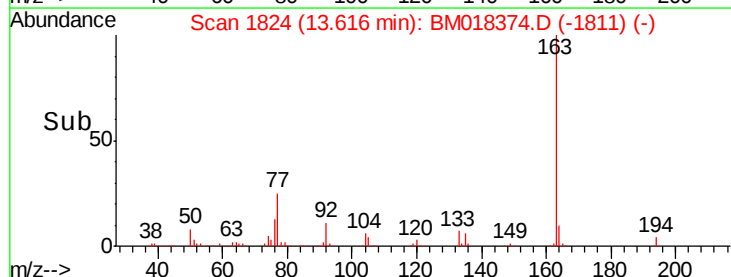
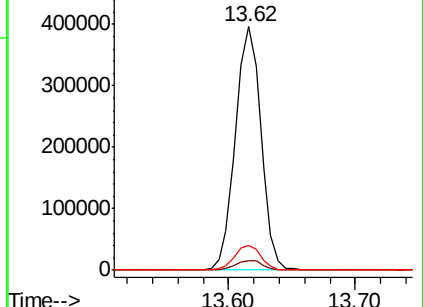
164 10.3 7.9 11.9

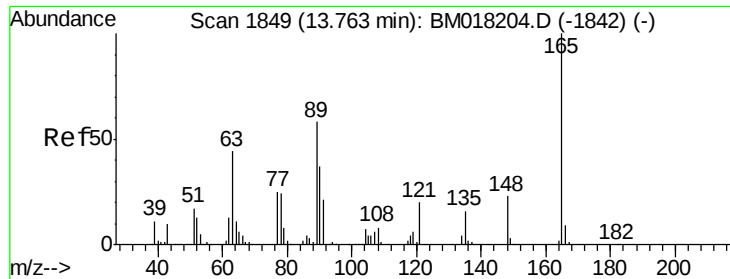


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 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

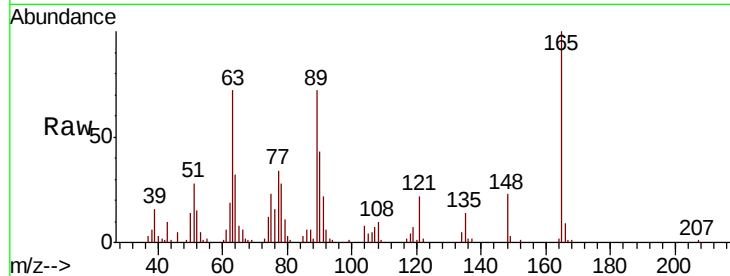
Tgt Ion:165 Resp: 83439

Ion Ratio Lower Upper

165 100

63 72.1 46.6 69.8#

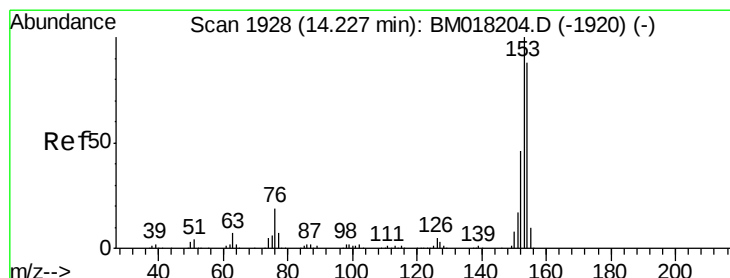
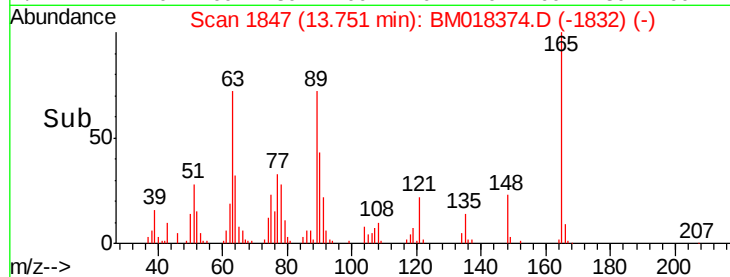
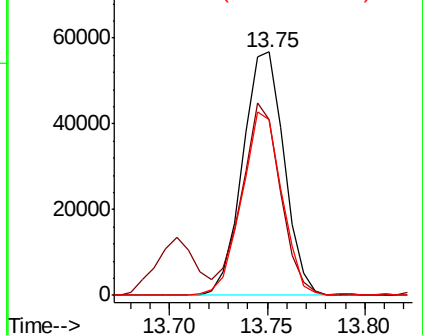
89 72.2 46.3 69.5#



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

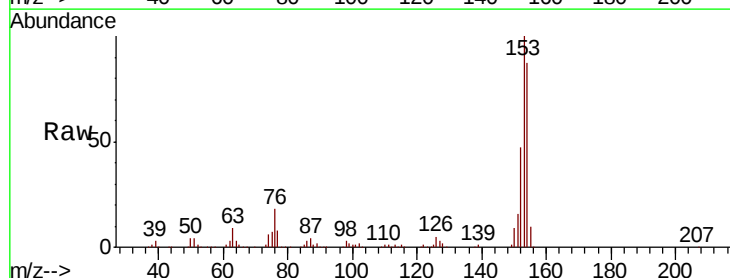
Tgt Ion:154 Resp: 340141

Ion Ratio Lower Upper

154 100

153 115.0 90.4 135.6

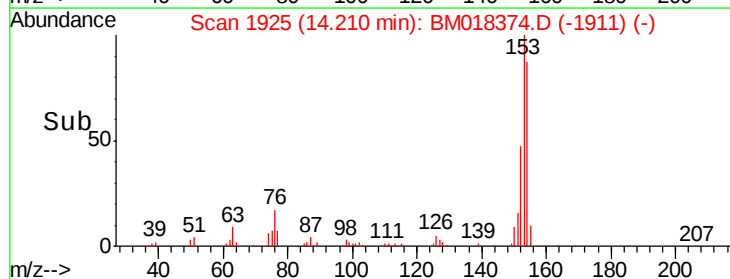
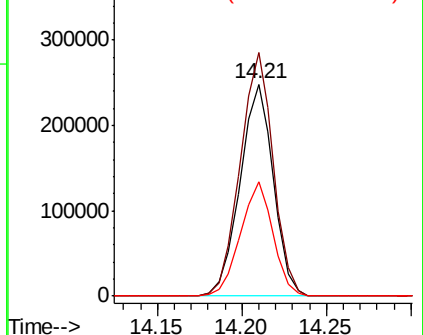
152 53.7 41.2 61.8

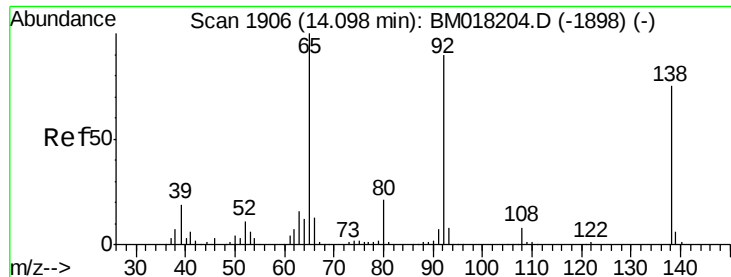


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

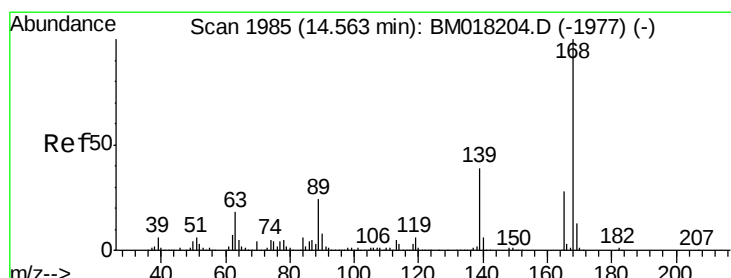
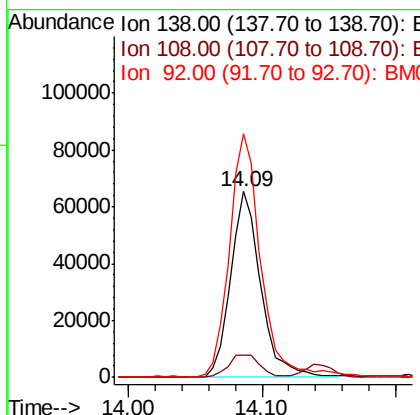
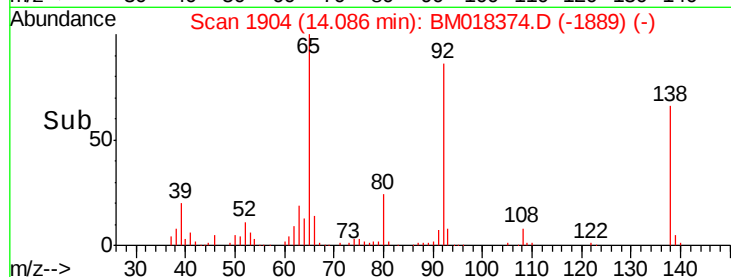
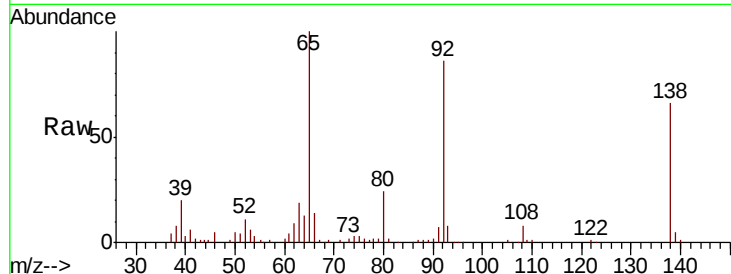




#53
3-Nitroaniline
Concen: 23.913 ng
RT: 14.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

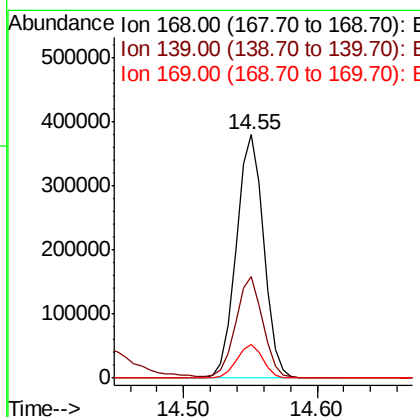
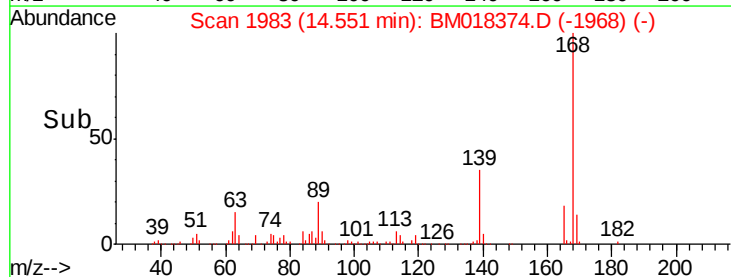
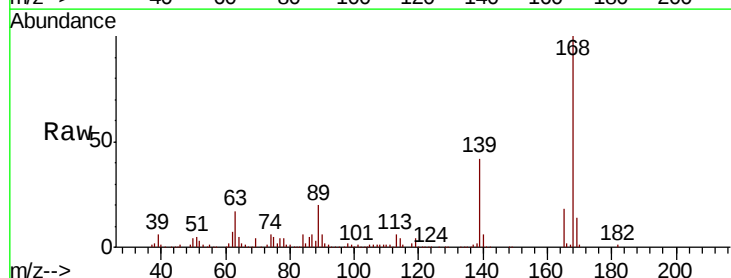
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

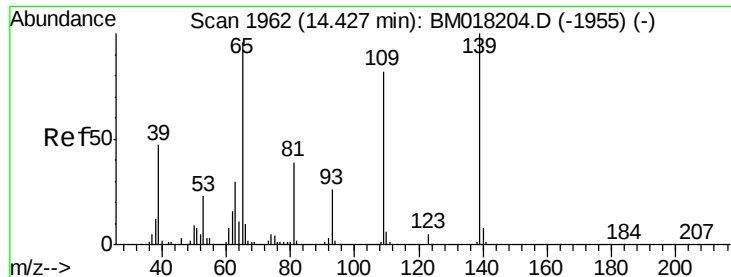
Tgt Ion:138 Resp: 103432
Ion Ratio Lower Upper
138 100
108 12.2 8.4 12.6
92 131.3 94.9 142.3



#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

Tgt Ion:168 Resp: 539104
Ion Ratio Lower Upper
168 100
139 41.5 31.2 46.8
169 13.9 10.4 15.6

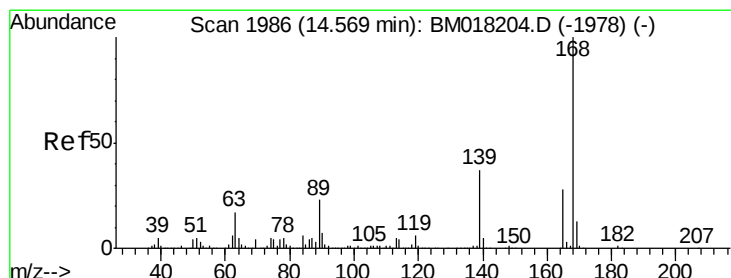
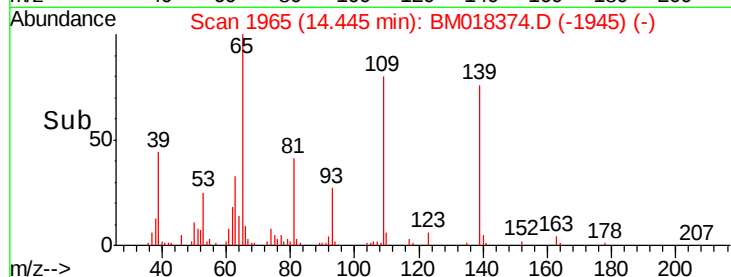
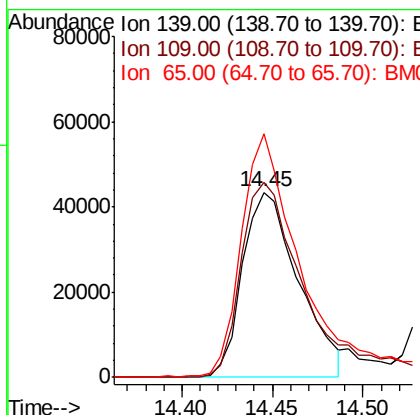
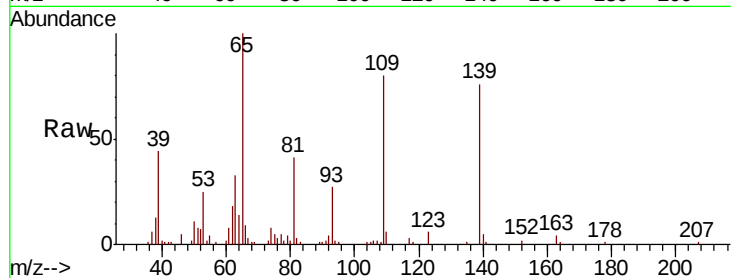




#56
4-Nitrophenol
Concen: 28.575 ng
RT: 14.45 min Scan# 1965
Delta R.T. 0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

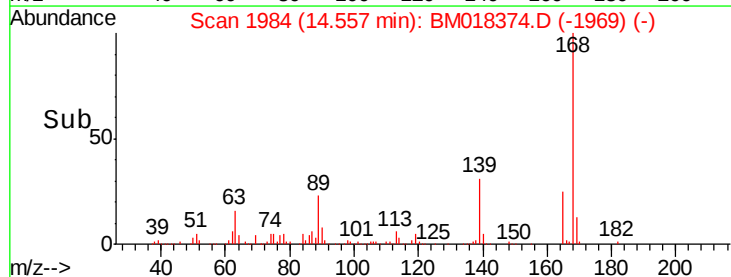
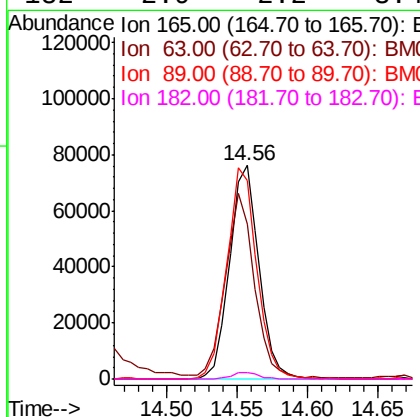
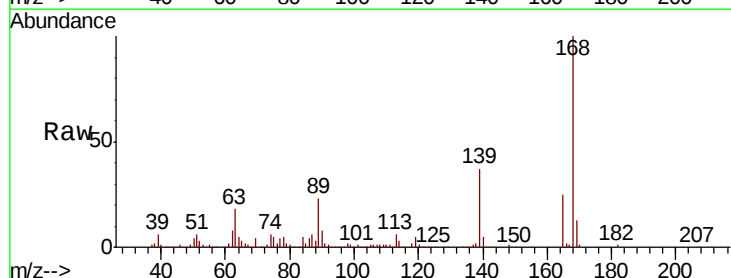
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

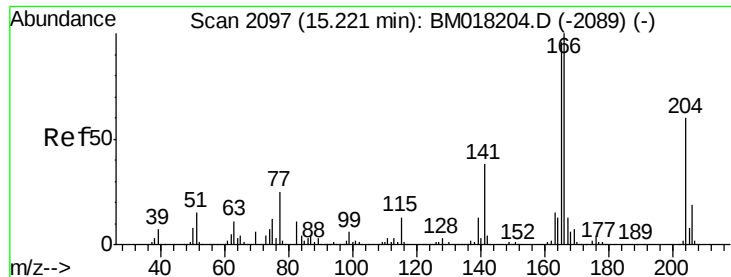
Tgt Ion:139 Resp: 93709
Ion Ratio Lower Upper
139 100
109 105.1 62.3 102.3#
65 131.7 76.4 116.4#



#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

Tgt Ion:165 Resp: 110401
Ion Ratio 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





#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

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGSMS

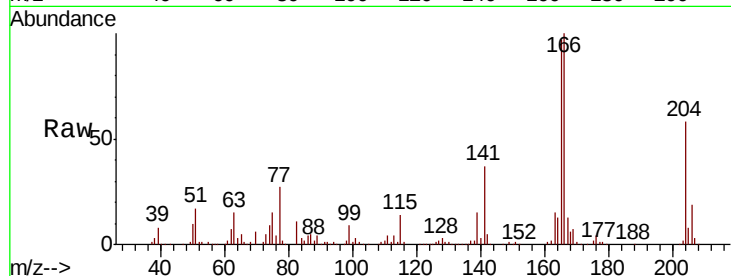
Tgt Ion:166 Resp: 424050

Ion Ratio Lower Upper

166 100

165 97.1 76.9 115.3

167 13.3 10.5 15.7

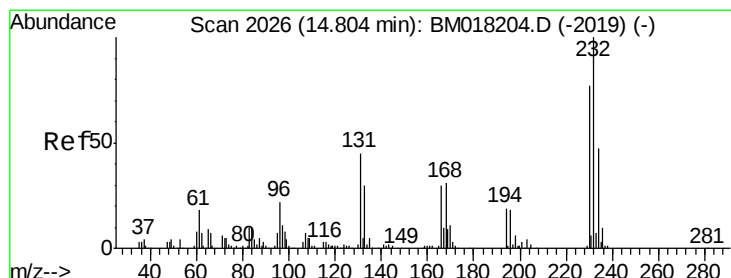
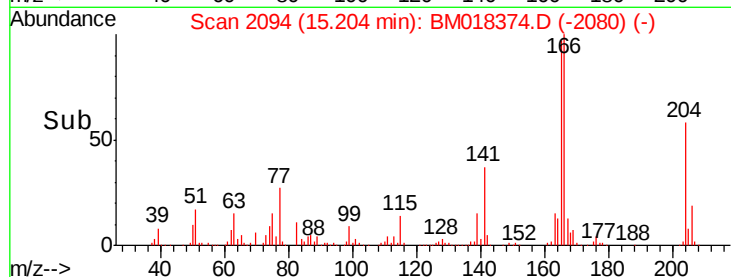
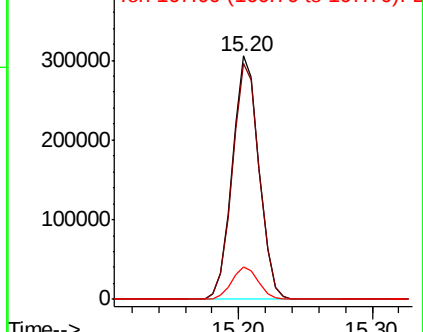


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 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

Tgt Ion:232 Resp: 101487

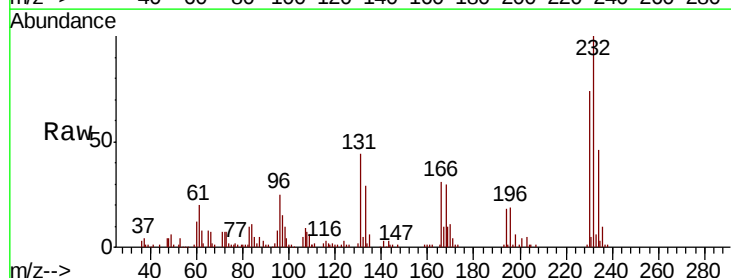
Ion Ratio Lower Upper

232 100

131 50.1 36.2 54.2

130 2.6 1.8 2.6

166 32.2 24.8 37.2



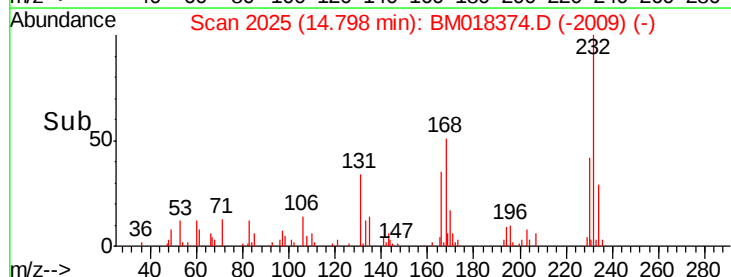
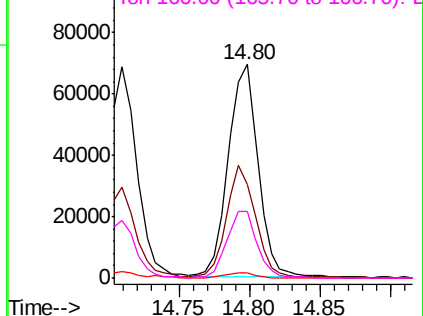
Abundance

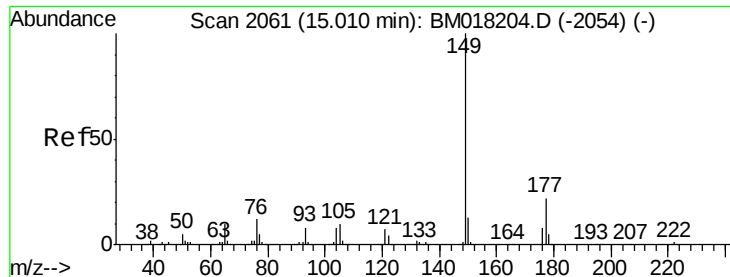
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

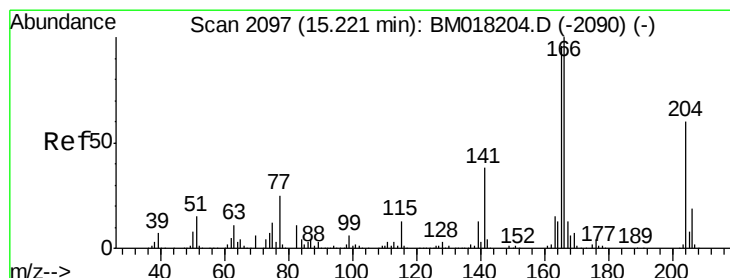
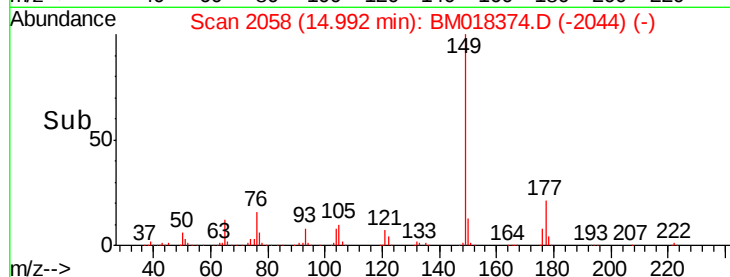
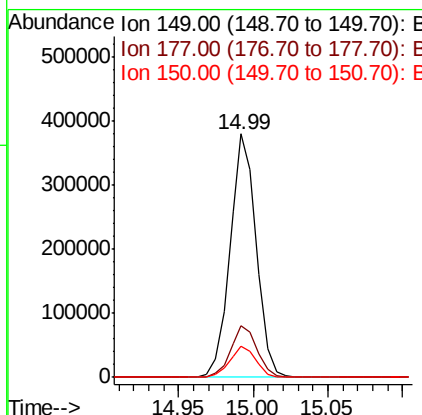
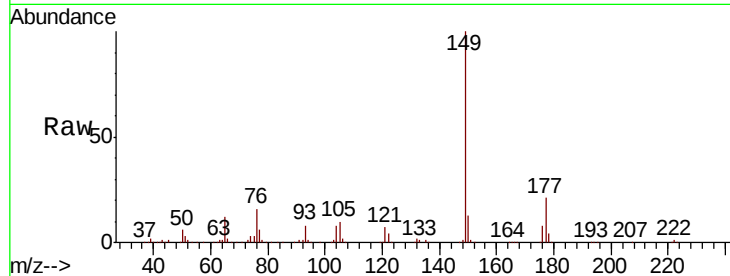




#60
Diethylphthalate
Concen: 23.042 ng
RT: 14.99 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

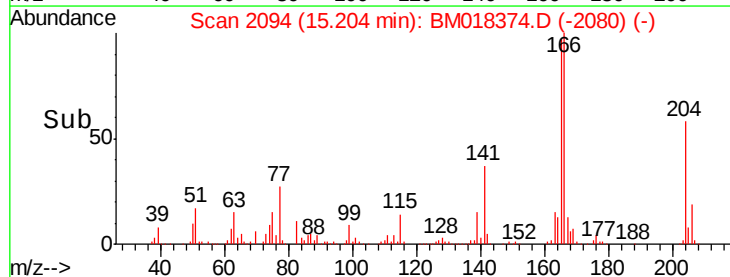
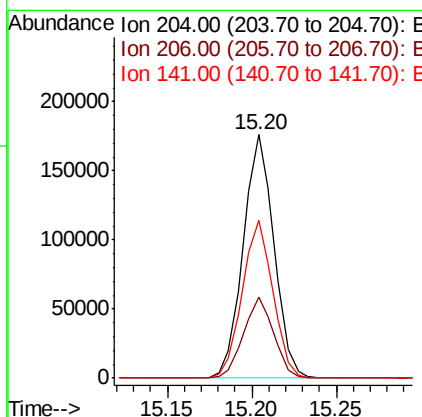
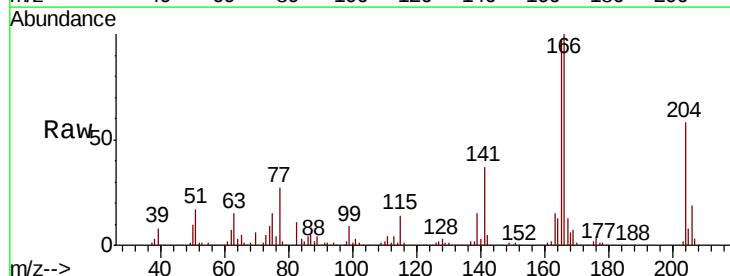
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

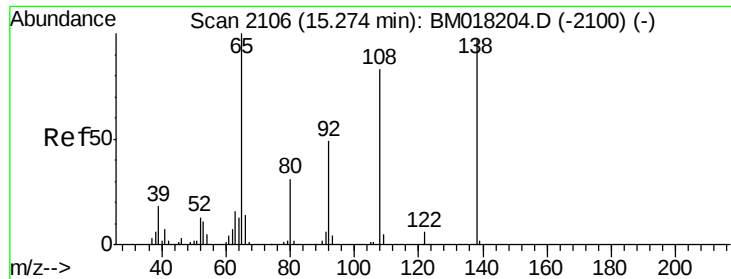
Tgt Ion:149 Resp: 464917
Ion Ratio Lower Upper
149 100
177 21.2 17.8 26.8
150 12.6 10.3 15.5



#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

Tgt Ion:204 Resp: 223279
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.6
141 64.9 50.2 75.4





#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

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGSMS

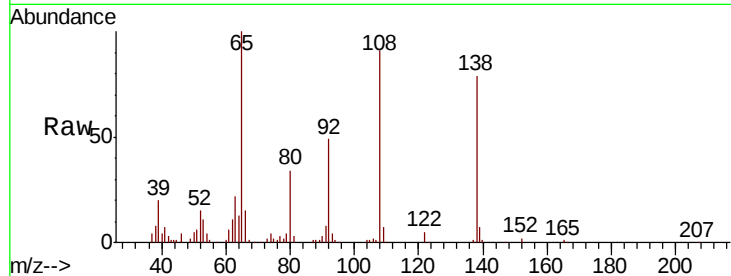
Tgt Ion:138 Resp: 95134

Ion Ratio Lower Upper

138 100

92 61.8 31.1 71.1

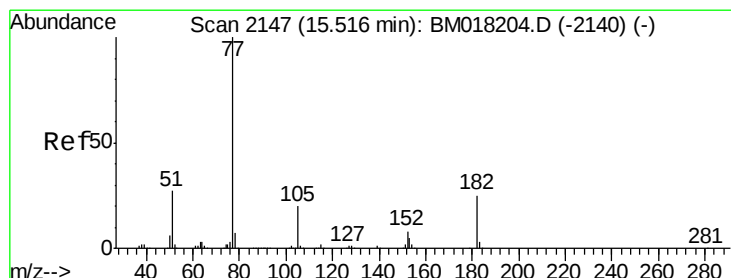
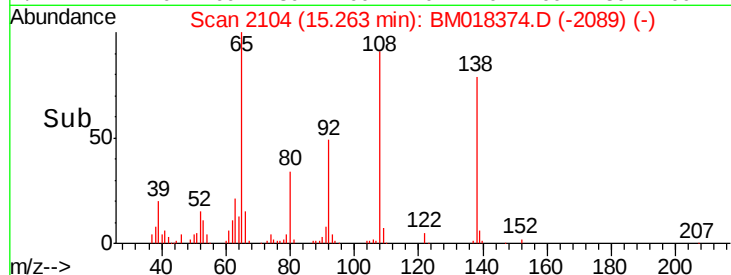
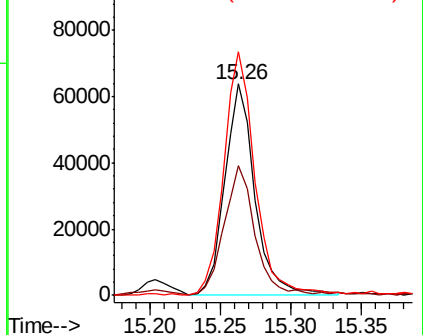
108 115.4 65.0 105.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#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

Tgt Ion: 77 Resp: 480911

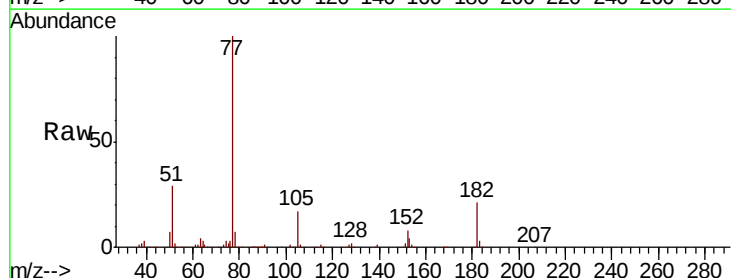
Ion Ratio Lower Upper

77 100

182 21.3 4.6 44.6

105 17.2 0.2 40.2

51 29.4 7.0 47.0

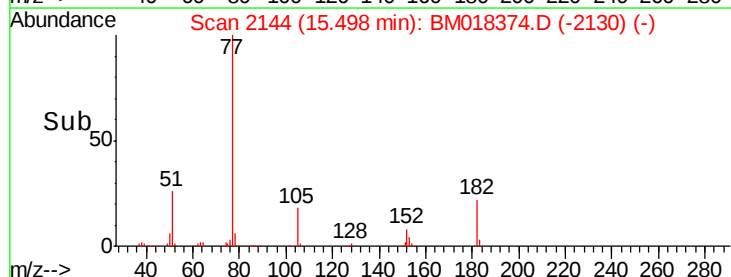
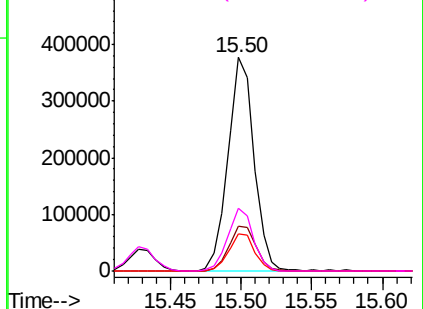


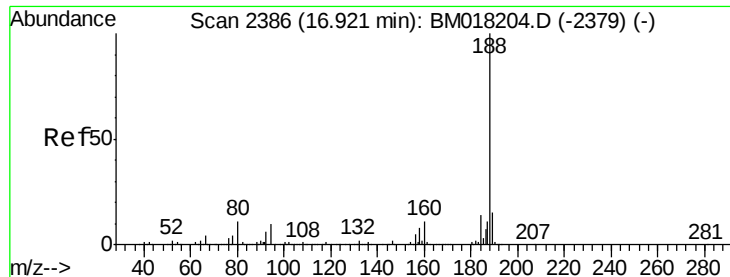
Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM

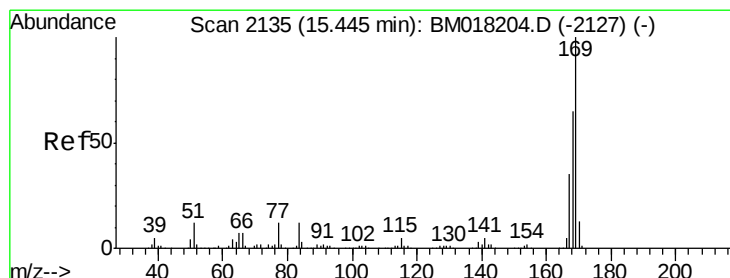
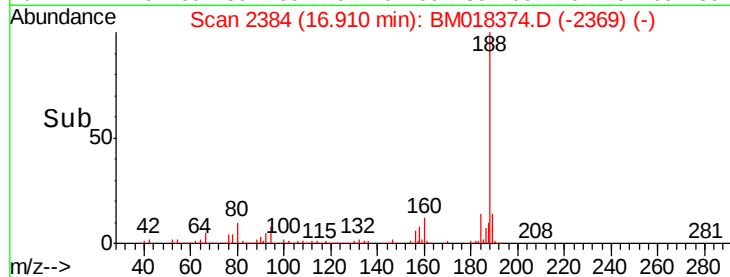
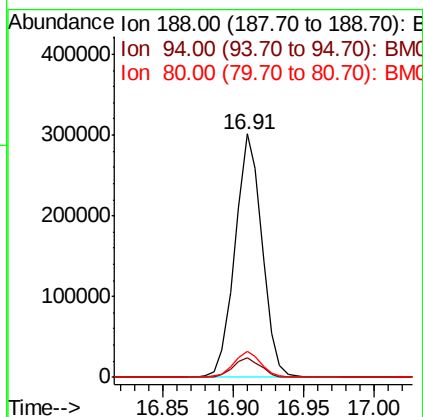
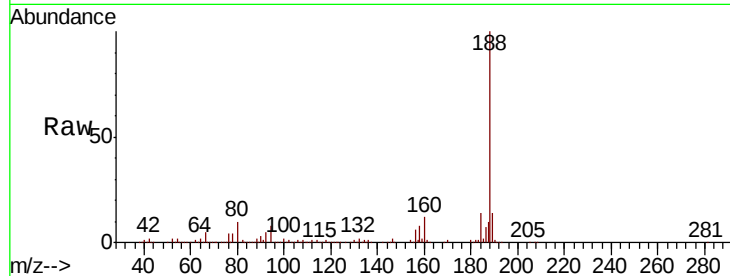




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

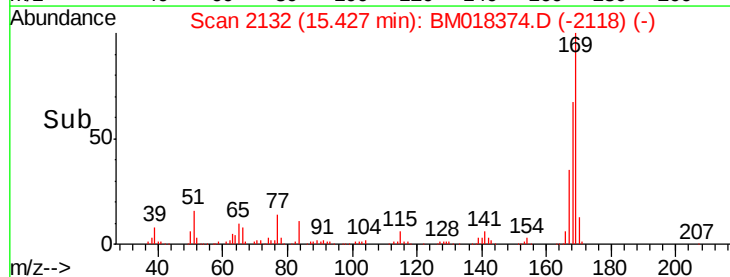
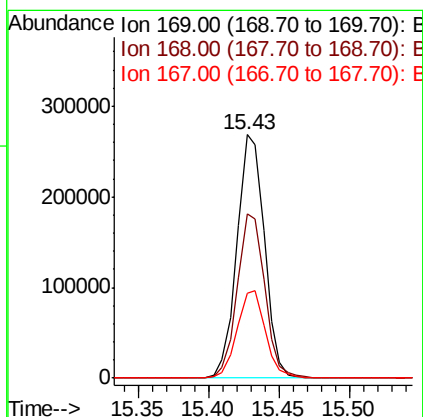
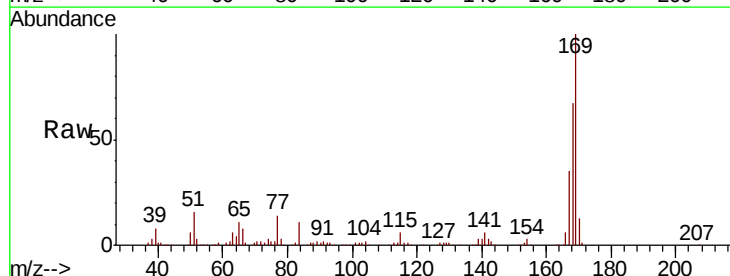
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

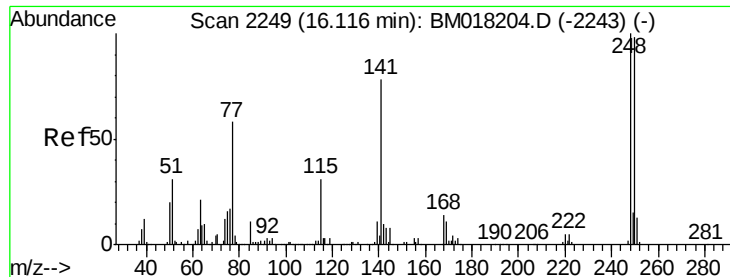
Tgt Ion:188 Resp: 402205
Ion Ratio Lower Upper
188 100
94 8.0 8.0 12.0#
80 10.5 9.0 13.6



#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

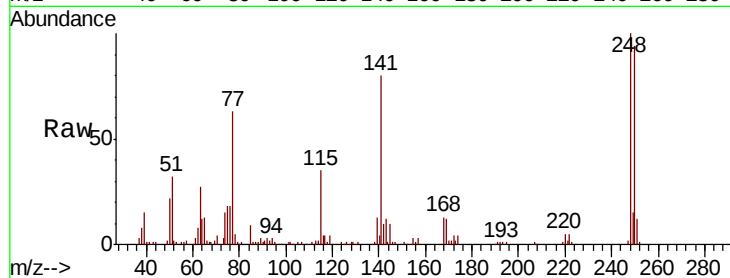




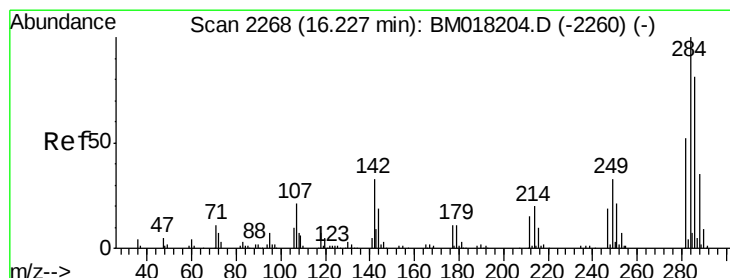
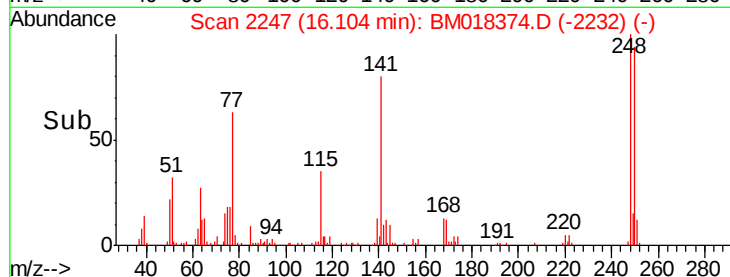
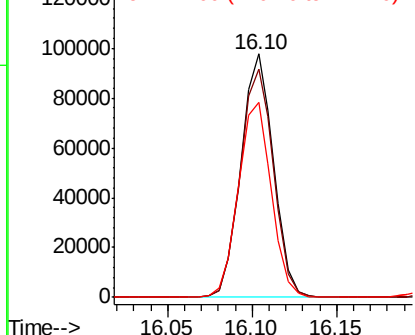
#67
4-Bromophenyl-phenylether
Concen: 26.900 ng
RT: 16.10 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:248 Resp: 131032
Ion Ratio Lower Upper
248 100
250 94.0 78.7 118.1
141 79.9 62.2 93.4

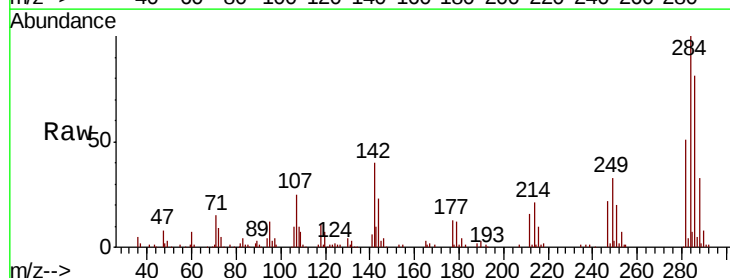


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

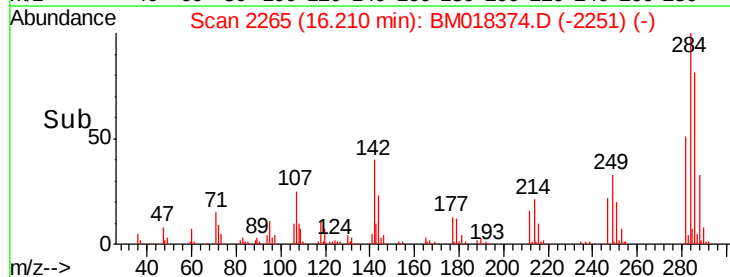
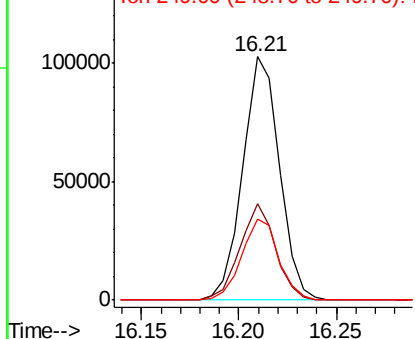


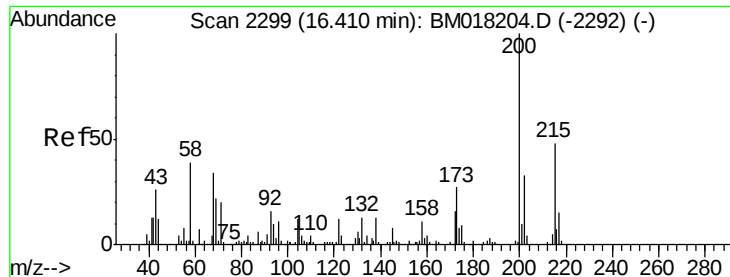
#68
Hexachlorobenzene
Concen: 25.079 ng
RT: 16.21 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion:284 Resp: 133830
Ion Ratio Lower Upper
284 100
142 39.8 26.2 39.4#
249 33.5 26.2 39.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 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

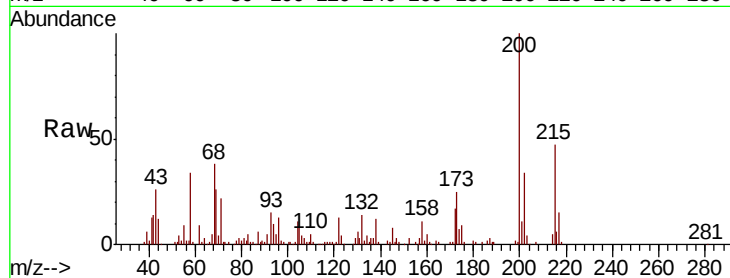
Tgt Ion:200 Resp: 125695

Ion Ratio Lower Upper

200 100

173 25.1 6.9 46.9

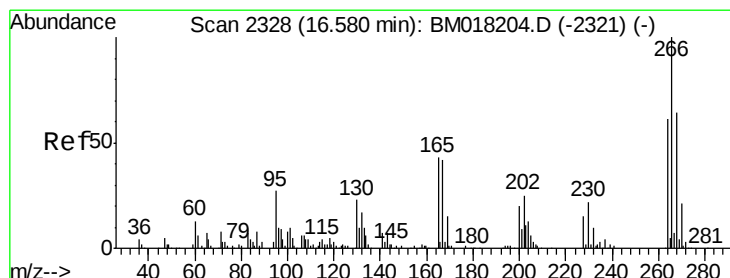
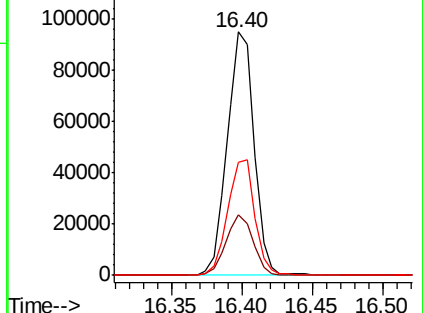
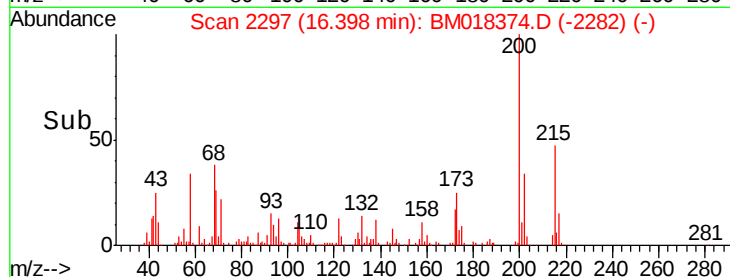
215 46.6 27.9 67.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 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

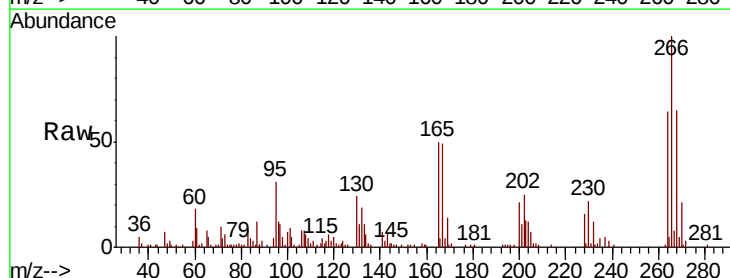
Tgt Ion:266 Resp: 115387

Ion Ratio Lower Upper

266 100

268 65.5 51.1 76.7

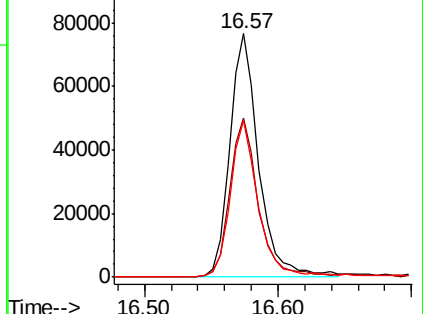
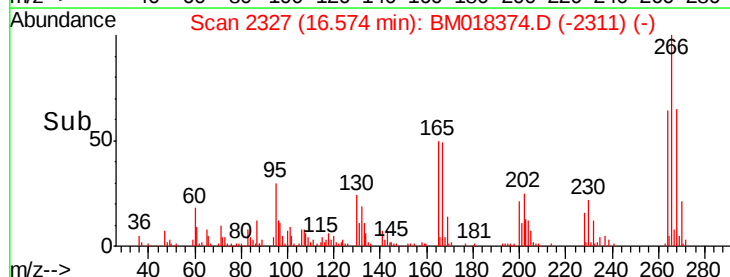
264 64.4 49.0 73.4

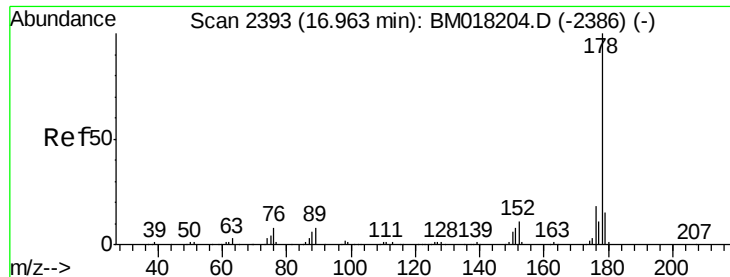


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

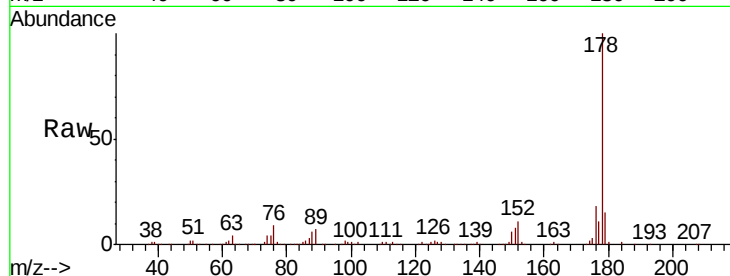




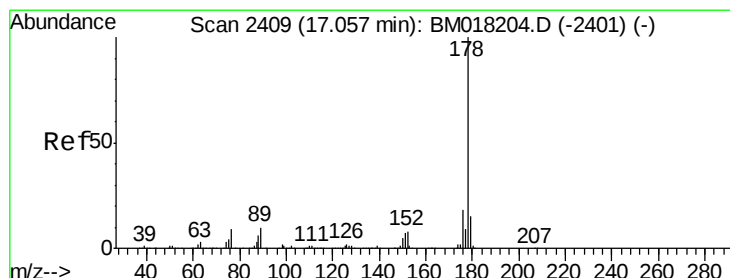
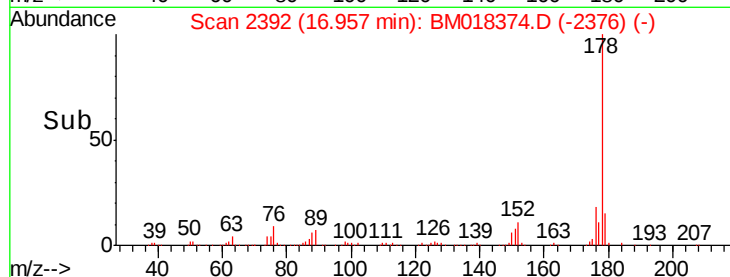
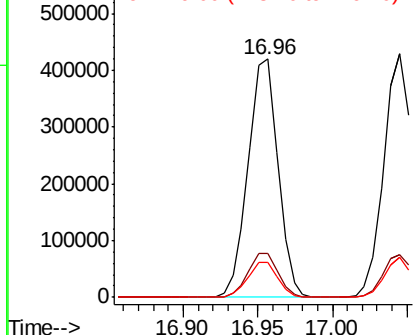
#71
Phenanthrene
Concen: 26.703 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:178 Resp: 583370
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.8 12.0 18.0

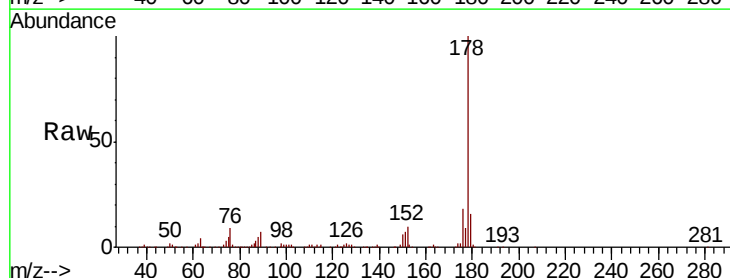


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

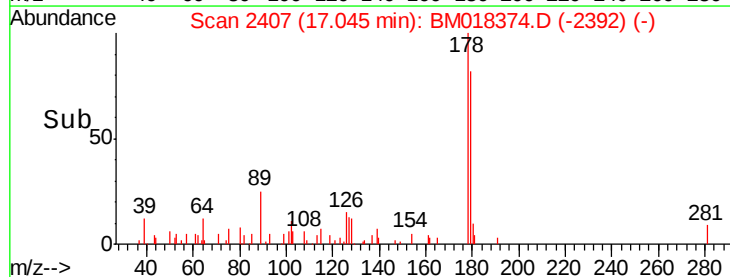
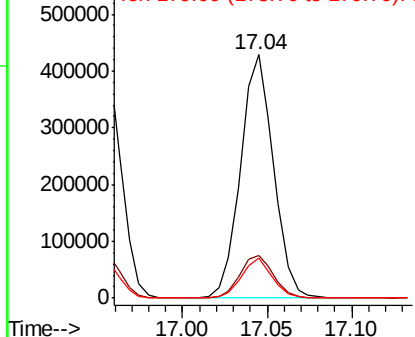


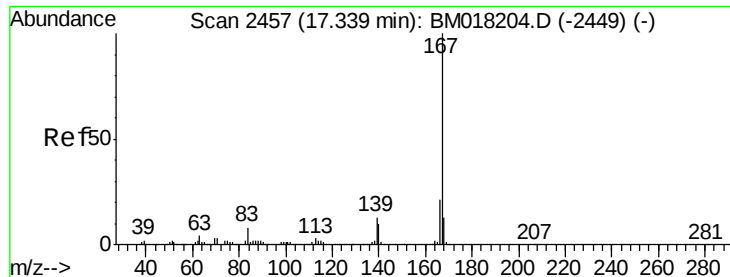
#72
Anthracene
Concen: 26.789 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

Tgt Ion:178 Resp: 580611
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 16.3 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

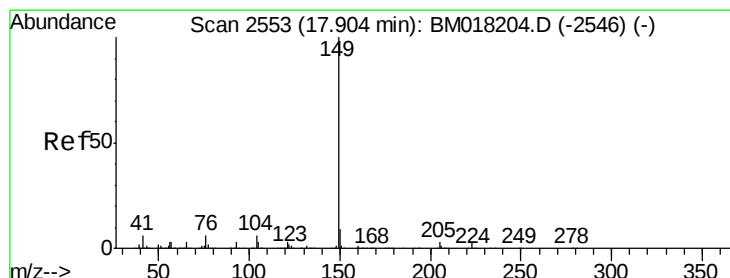
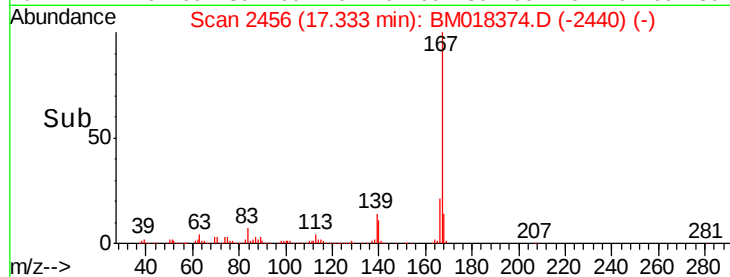
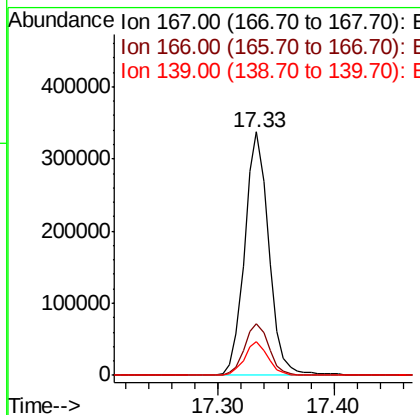
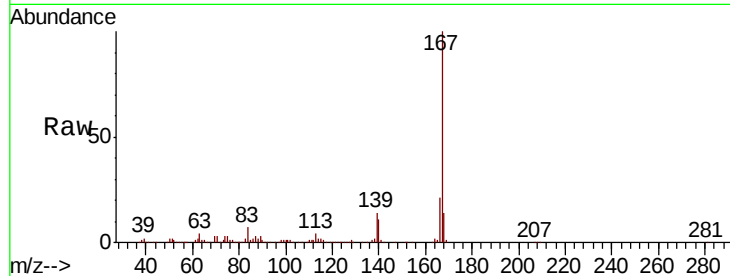




#73
 Carbazole
 Concen: 21.990 ng
 RT: 17.33 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BM018374.D
 Acq: 22 Dec 2018 01:30

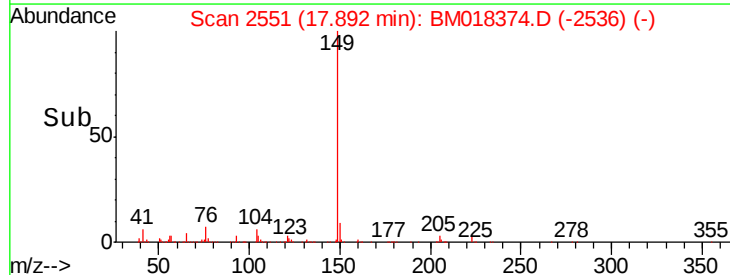
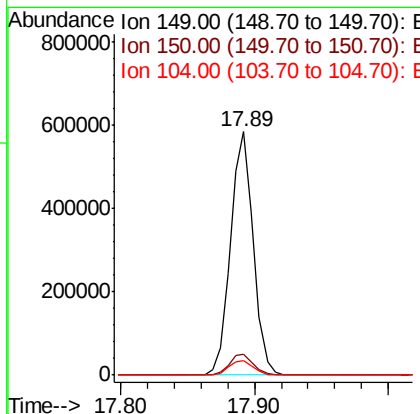
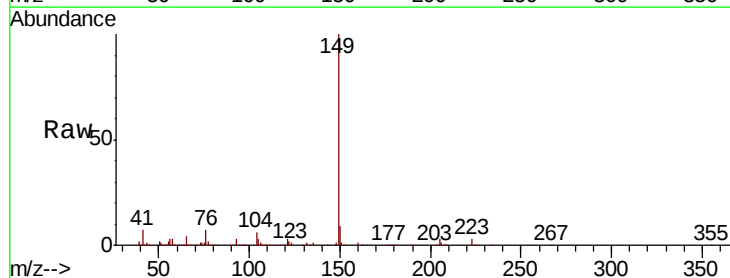
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGSMS

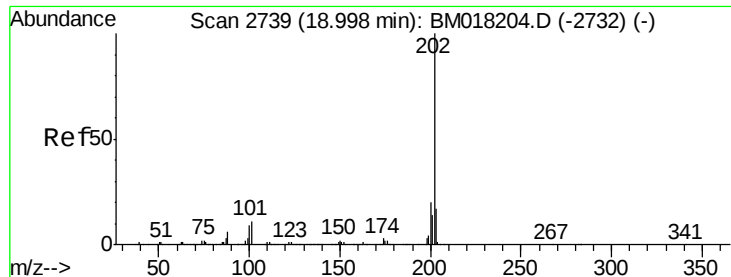
Tgt Ion:167 Resp: 489180
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.8 25.2
 139 13.7 10.3 15.5



#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:149 Resp: 696983
 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

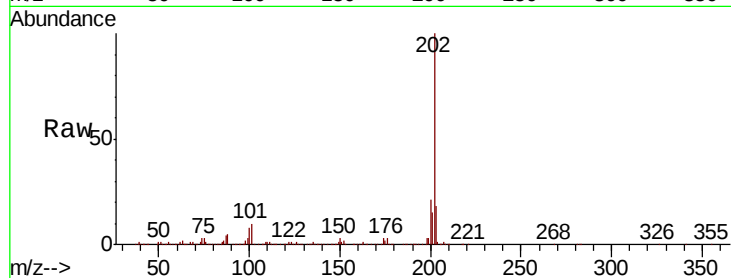
Tgt Ion:202 Resp: 584709

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.5

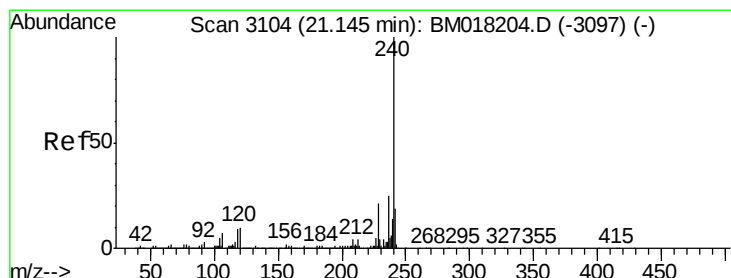
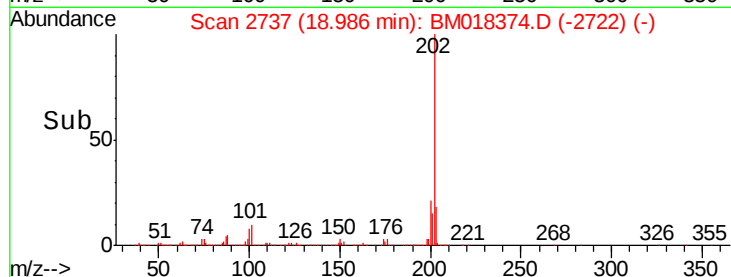
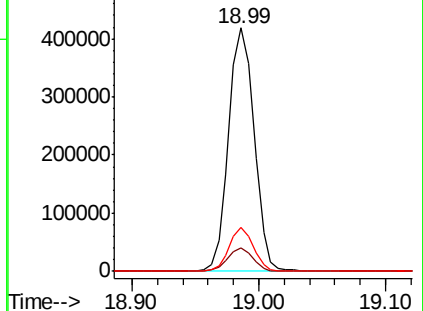
203 18.2 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018374.D

Acq: 22 Dec 2018 01:30

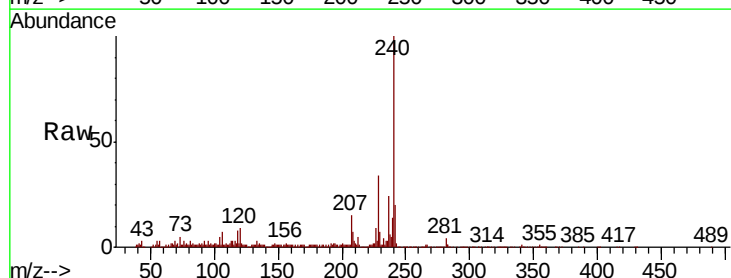
Tgt Ion:240 Resp: 357996

Ion Ratio Lower Upper

240 100

120 8.5 8.2 12.2

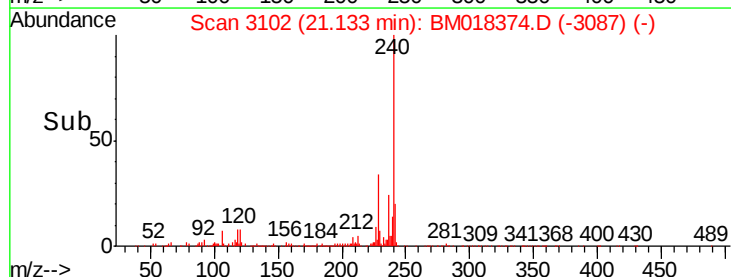
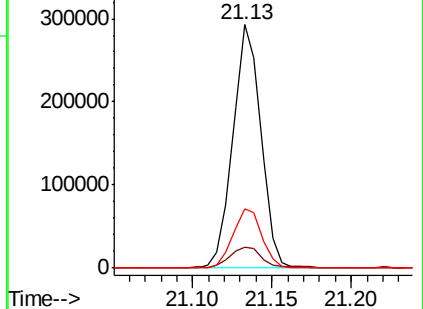
236 24.4 20.3 30.5

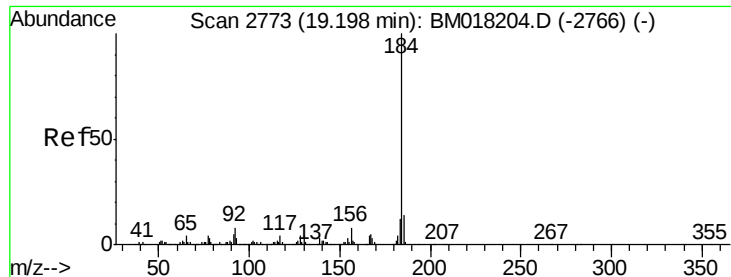


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 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

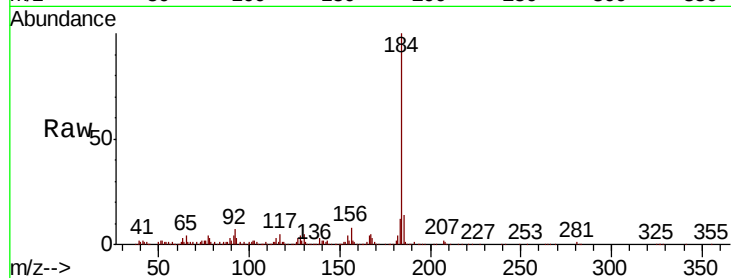
Tgt Ion:184 Resp: 425721

Ion Ratio Lower Upper

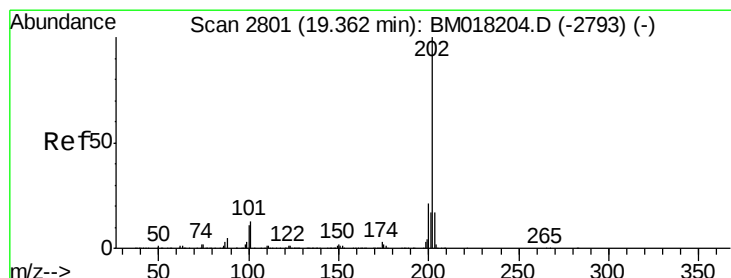
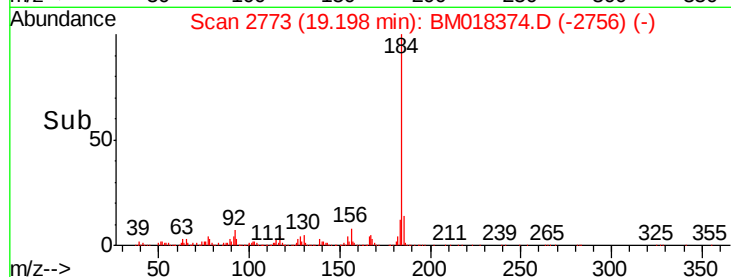
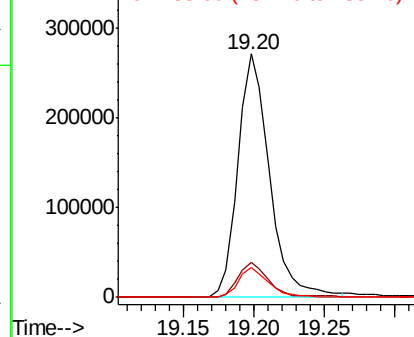
184 100

185 14.2 11.4 17.2

183 12.3 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 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

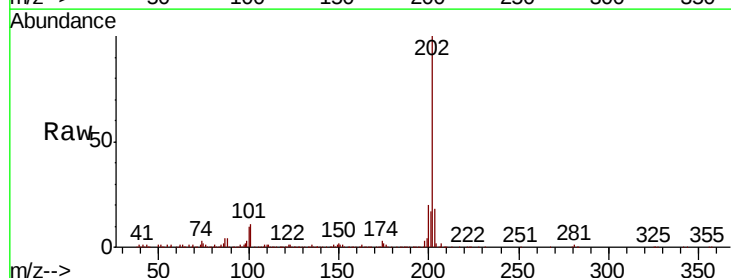
Tgt Ion:202 Resp: 575586

Ion Ratio Lower Upper

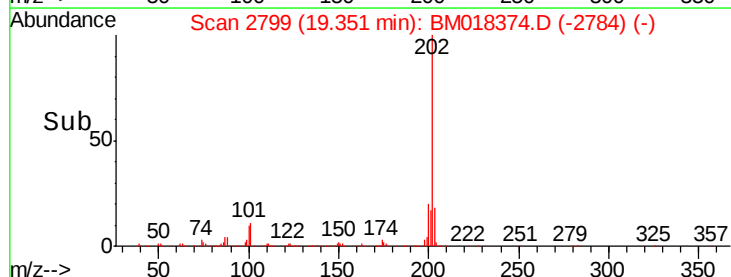
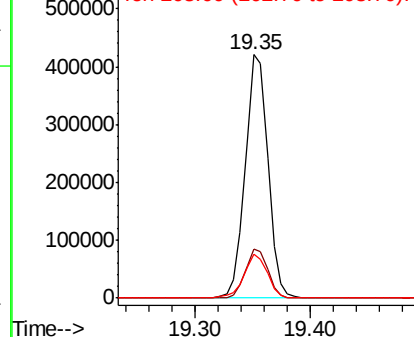
202 100

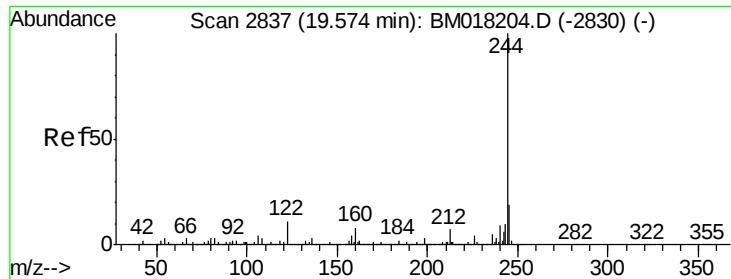
200 20.2 16.5 24.7

203 18.2 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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

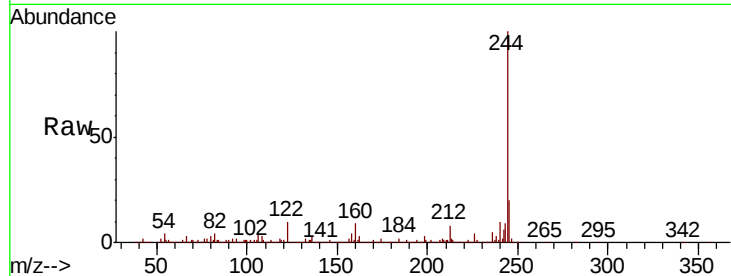
Tgt Ion:244 Resp: 921501

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 9.7 9.0 13.6



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

1000000

800000

600000

400000

200000

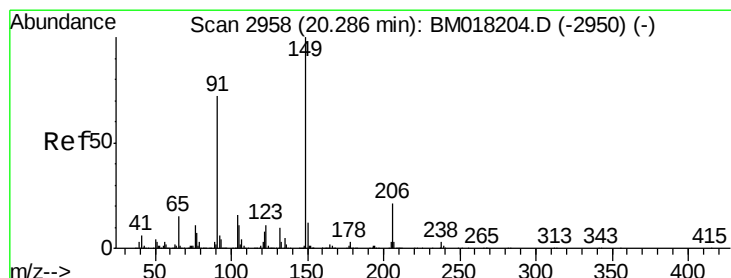
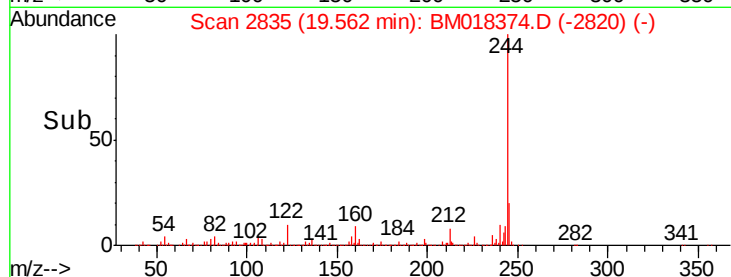
0

19.56

19.50

19.60

Time-->



#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

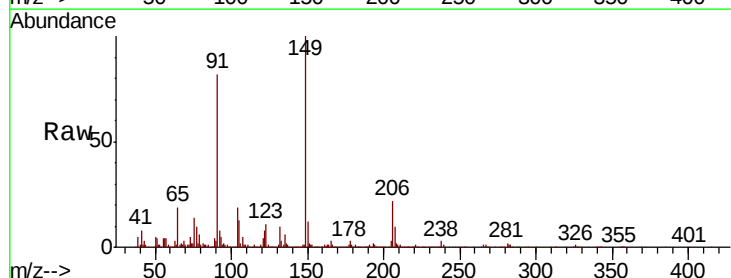
Tgt Ion:149 Resp: 264480

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): BM

Ion 206.00 (205.70 to 206.70): E

300000

200000

100000

0

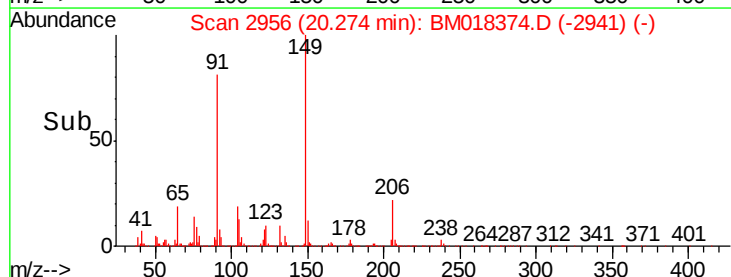
20.27

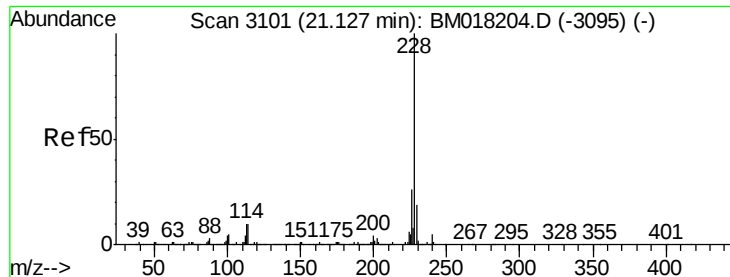
20.20

20.25

20.30

Time-->





#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

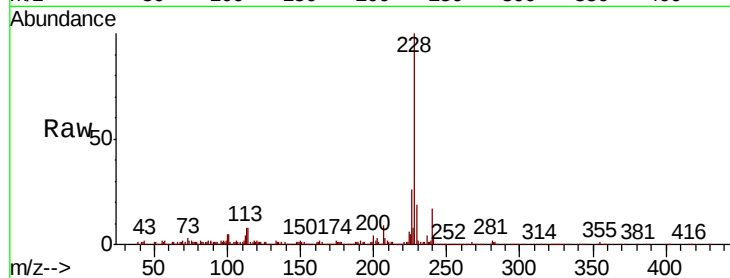
Tgt Ion:228 Resp: 564844

Ion Ratio Lower Upper

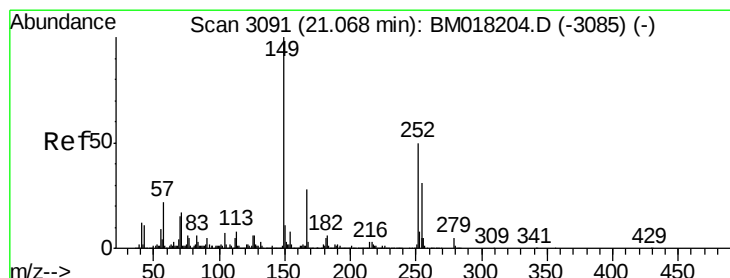
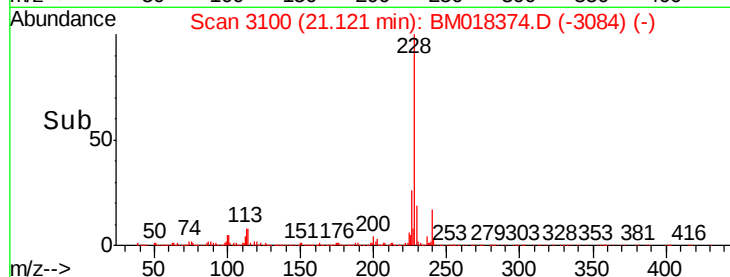
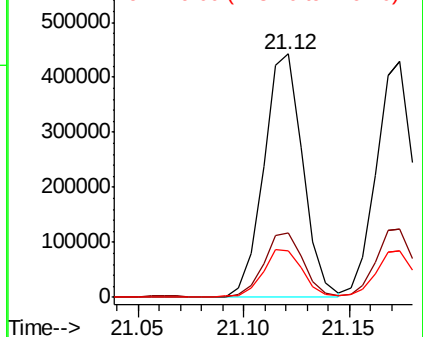
228 100

226 26.3 21.0 31.4

229 18.9 15.5 23.3



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

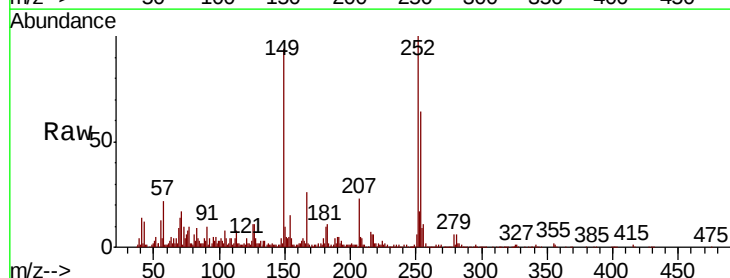
Tgt Ion:252 Resp: 215186

Ion Ratio Lower Upper

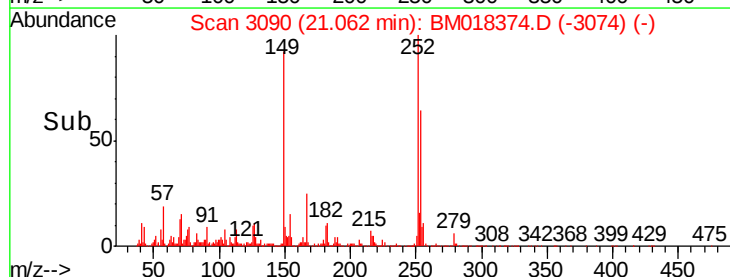
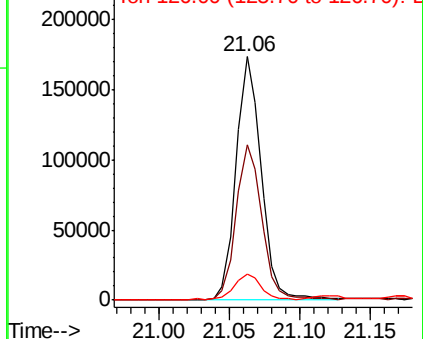
252 100

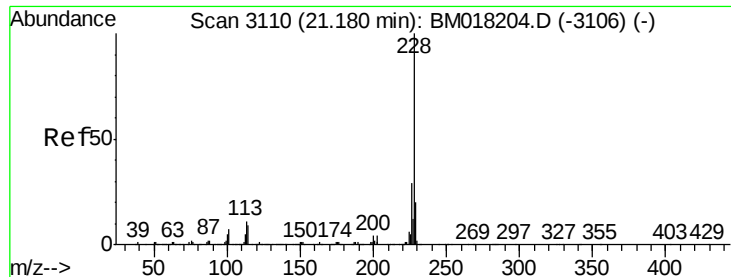
254 63.9 50.4 75.6

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

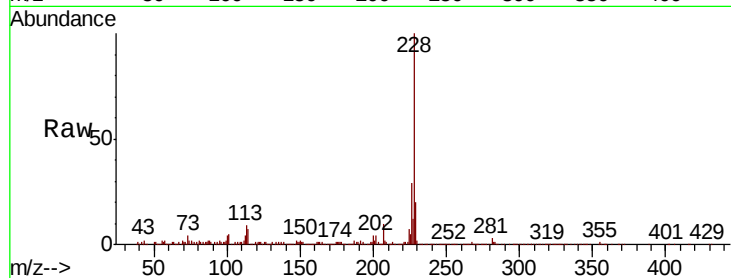
Tgt Ion: 228 Resp: 528381

Ion Ratio Lower Upper

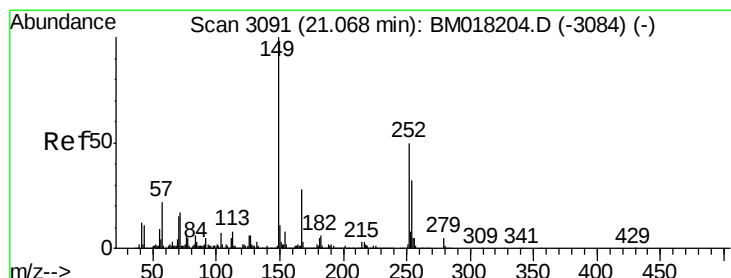
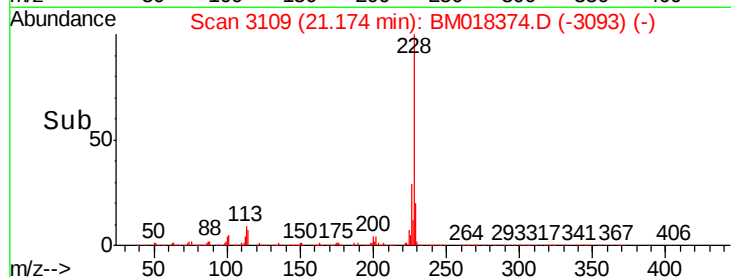
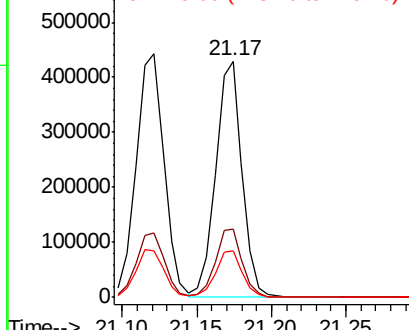
228 100

226 29.1 23.1 34.7

229 19.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 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

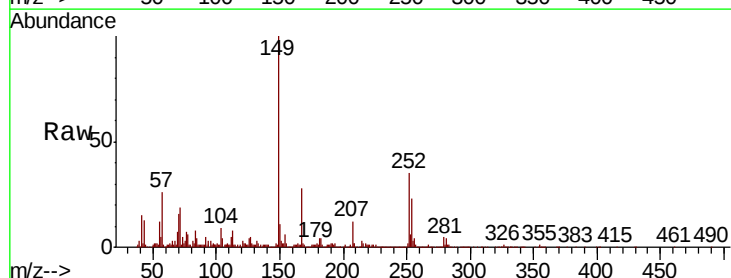
Tgt Ion: 149 Resp: 388985

Ion Ratio Lower Upper

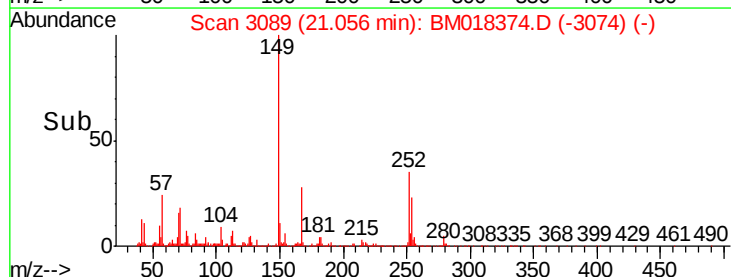
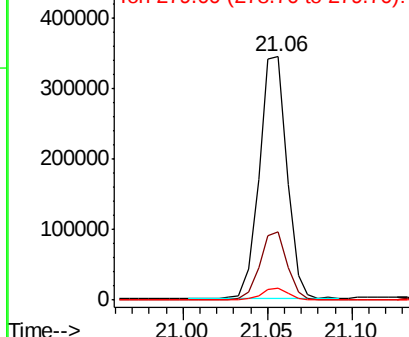
149 100

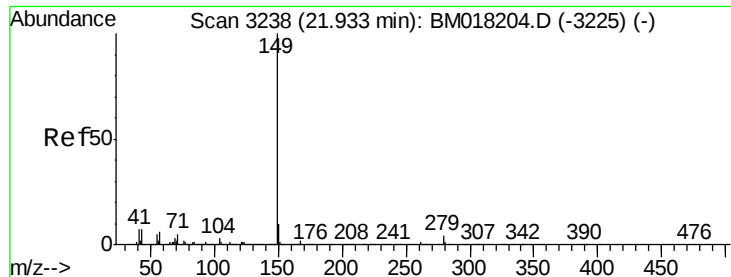
167 27.9 22.7 34.1

279 5.1 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 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

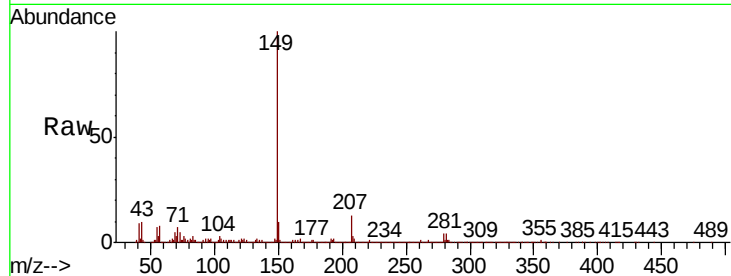
Tgt Ion:149 Resp: 679402

Ion Ratio Lower Upper

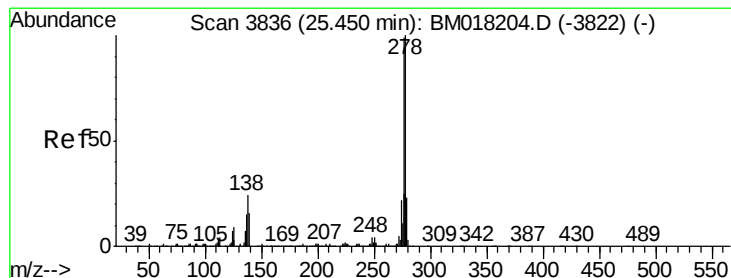
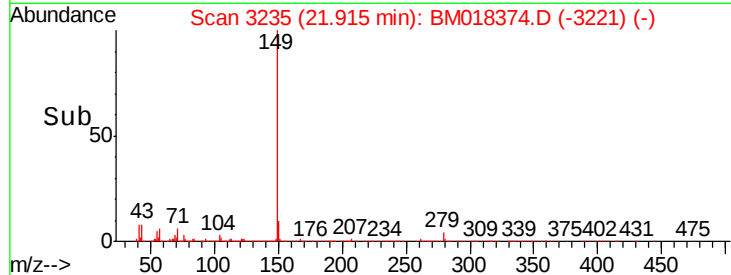
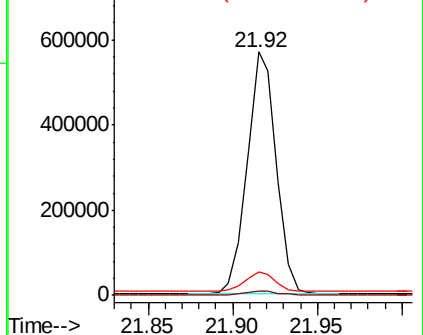
149 100

167 1.7 1.4 2.0

43 8.8 6.2 9.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM



#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

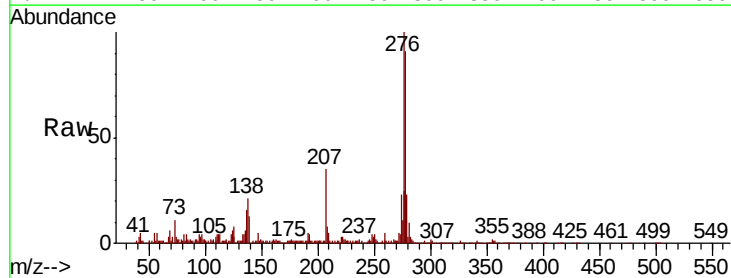
Tgt Ion:276 Resp: 712724

Ion Ratio Lower Upper

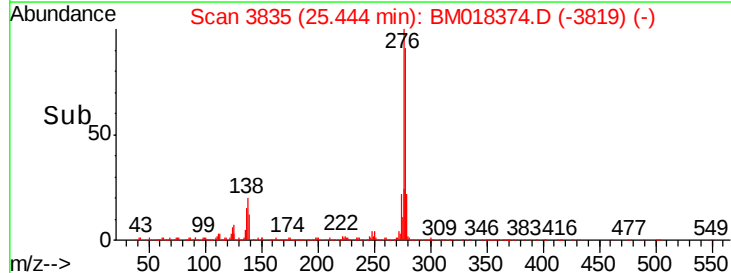
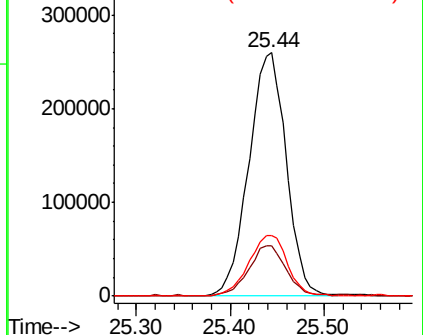
276 100

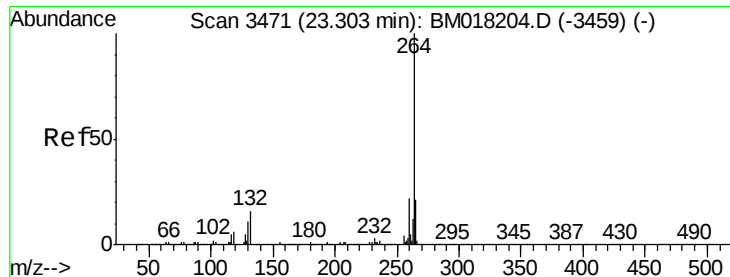
138 19.9 18.6 28.0

277 25.2 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

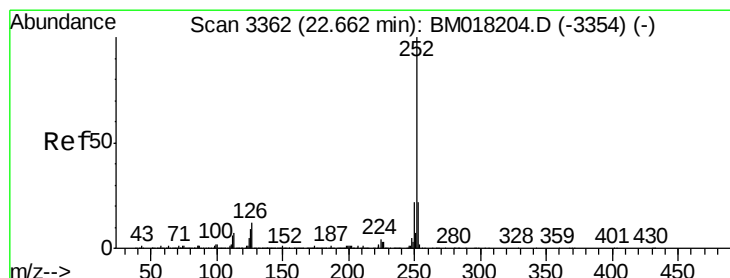
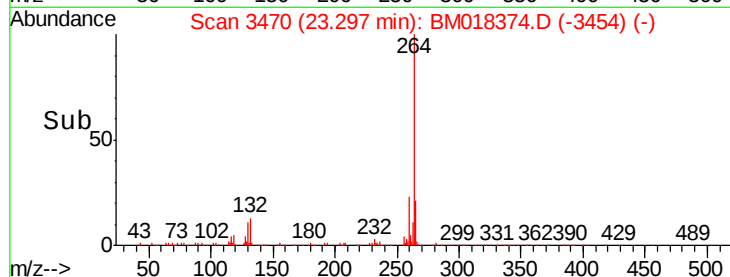
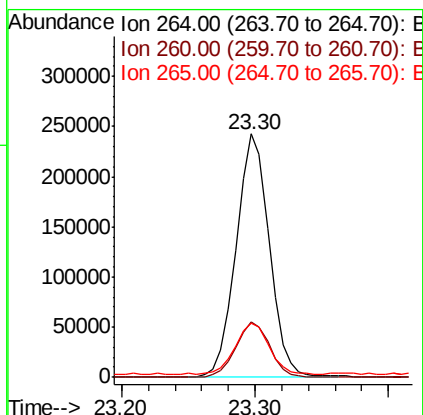
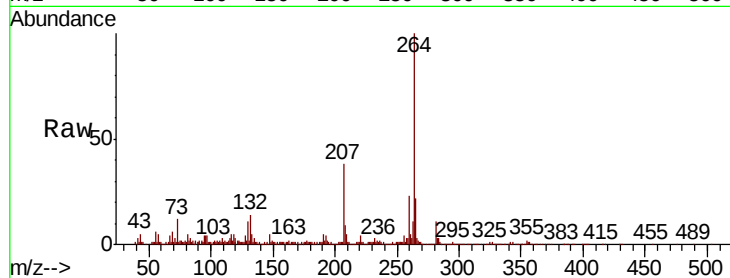




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BM018374.D
Acq: 22 Dec 2018 01:30

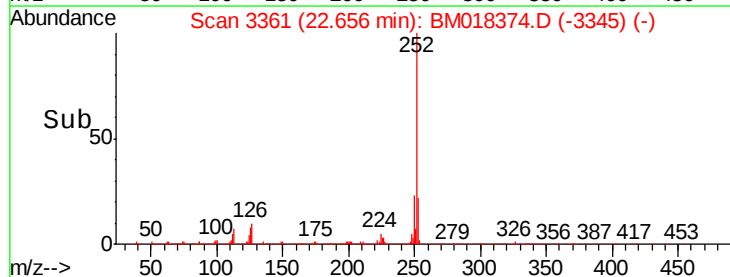
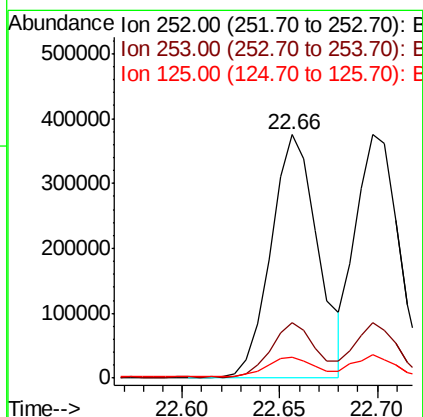
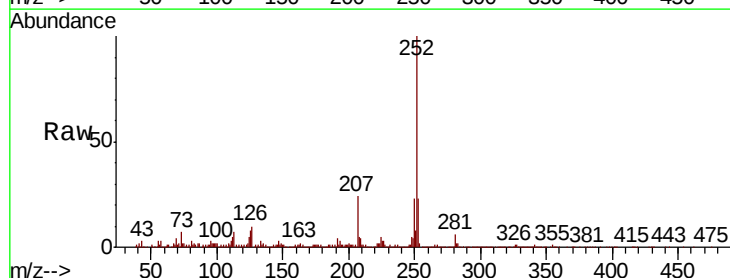
Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGSMS

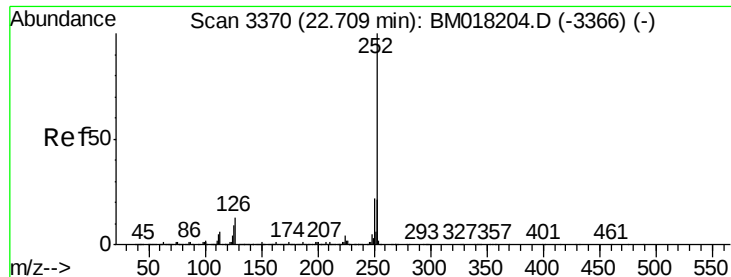
Tgt Ion:264 Resp: 415924
Ion Ratio Lower Upper
264 100
260 23.0 17.5 26.3
265 22.2 17.3 25.9



#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

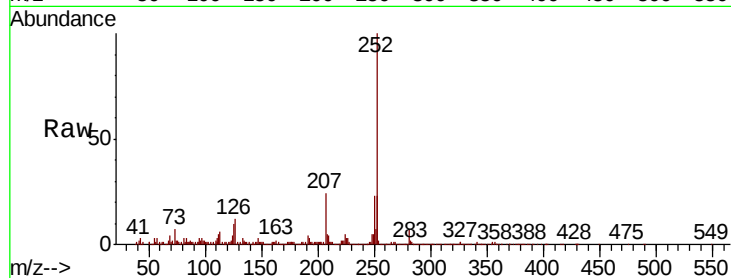
Tgt Ion:252 Resp: 573130

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

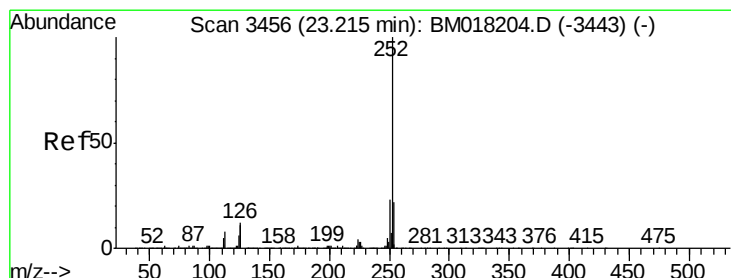
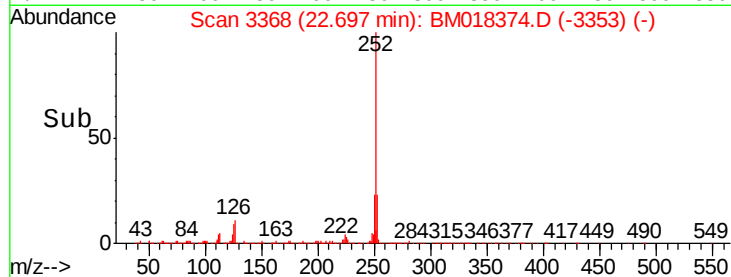
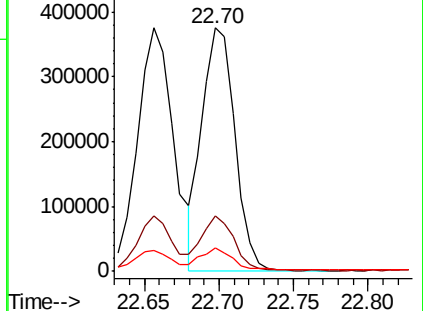
125 9.8 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 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

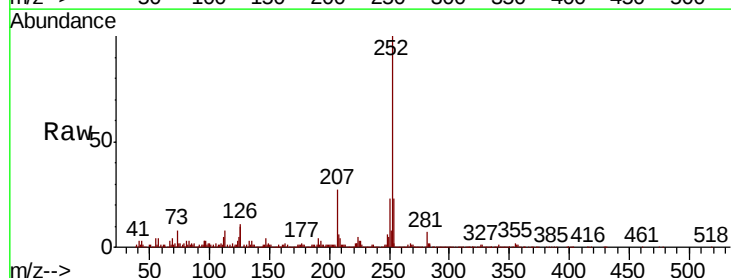
Tgt Ion:252 Resp: 591134

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

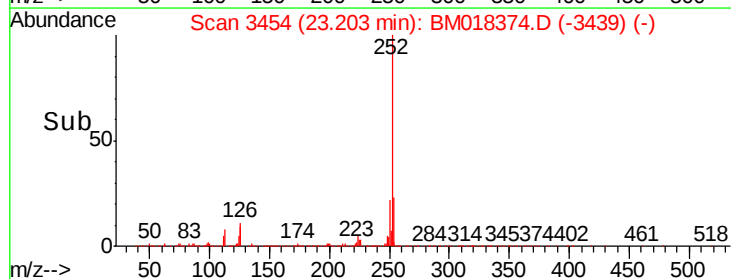
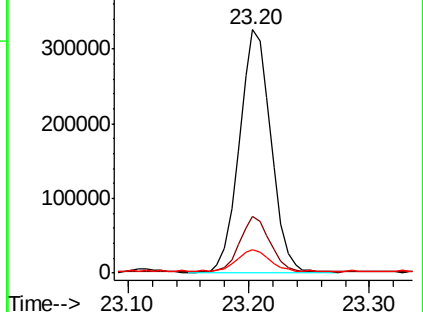
125 9.6 8.6 12.8

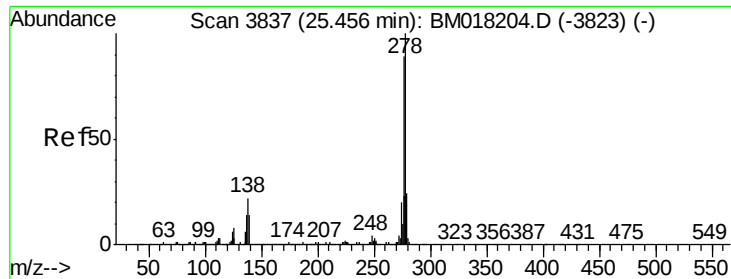


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 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

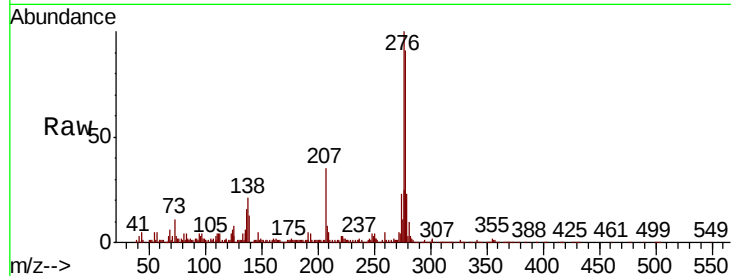
Tgt Ion:278 Resp: 600805

Ion Ratio Lower Upper

278 100

139 14.1 11.6 17.4

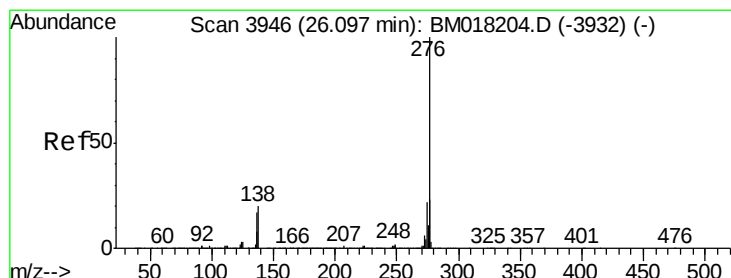
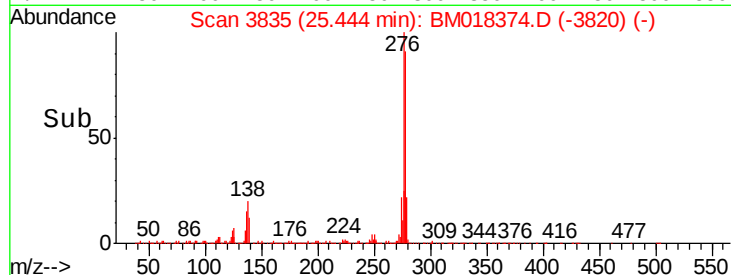
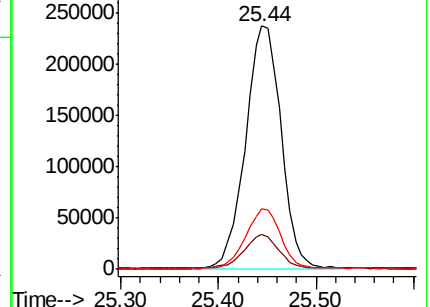
279 24.6 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 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

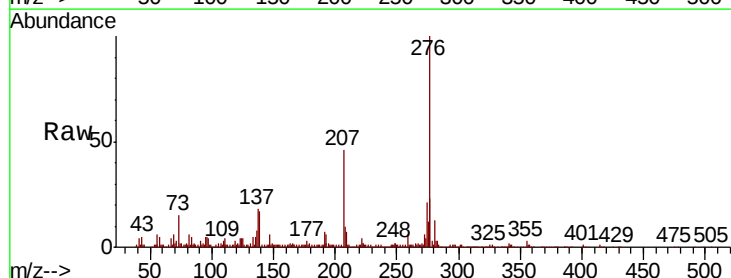
Tgt Ion:276 Resp: 591440

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 16.6 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

