

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002148.D
 Acq On : 25 Jul 2018 22:26
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

Sohil
 7/27/2018 11:35:40 AM

Quant Time: Jul 26 07:04:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 20:08:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	211192	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	838906	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	485911	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1030389	20.00	ng	0.00
75) Chrysene-d12	21.27	240	897235	20.00	ng	0.00
86) Perylene-d12	23.49	264	852737	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1527680	116.46	ng	0.00
7) Phenol-d6	6.88	99	2063086	112.07	ng	0.00
23) Nitrobenzene-d5	8.84	82	1428057	87.30	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	788453	124.96	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3235414	86.73	ng	0.00
78) Terphenyl-d14	19.71	244	4601382	106.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	4510	0.916	ng	# 56
3) Pyridine	3.70	79	9115	0.639	ng	# 61
4) n-Nitrosodimethylamine	3.60	42	5639	0.922	ng	# 38
6) Aniline	7.03	93	12392	0.551	ng	# 93
8) 2-Chlorophenol	7.26	128	13784	0.906	ng	98
9) Benzaldehyde	6.85	77	15065	1.329	ng	96
10) Phenol	6.90	94	17087	0.906	ng	# 66
11) bis(2-Chloroethyl)ether	7.13	93	12820	0.835	ng	94
12) 1,3-Dichlorobenzene	7.58	146	15097	0.871	ng	96
13) 1,4-Dichlorobenzene	7.73	146	15765	0.889	ng	95
14) 1,2-Dichlorobenzene	8.04	146	15522	0.907	ng	93
15) Benzyl Alcohol	7.94	79	7091	0.510	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.22	45	22211	0.896	ng	92
17) 2-Methylphenol	8.14	107	10552	0.819	ng	97
18) Hexachloroethane	8.76	117	5813	0.895	ng	91
19) n-Nitroso-di-n-propylamine	8.49	70	9903	0.742	ng	# 94
20) 3+4-Methylphenols	8.48	107	13673	0.761	ng	97
22) Acetophenone	8.51	105	20845	0.958	ng	# 93
24) Nitrobenzene	8.88	77	16161	0.953	ng	93
25) Isophorone	9.40	82	26707	0.951	ng	95
26) 2-Nitrophenol	9.60	139	5323	0.650	ng	96
27) 2,4-Dimethylphenol	9.66	122	11006	0.966	ng	# 80
28) bis(2-Chloroethoxy)methane	9.89	93	16276	0.897	ng	96
29) 2,4-Dichlorophenol	10.13	162	9378	0.706	ng	91
30) 1,2,4-Trichlorobenzene	10.33	180	14176	0.942	ng	91
31) Naphthalene	10.52	128	43305	1.023	ng	97
32) Benzoic acid	9.79	122	1942m	0.201	ng	
33) 4-Chloroaniline	10.65	127	11065	0.587	ng	# 92
34) Hexachlorobutadiene	10.80	225	8317	0.903	ng	91
35) Caprolactam	11.40	113	2261	0.499	ng	94
36) 4-Chloro-3-methylphenol	11.76	107	10676	0.707	ng	97
37) 2-Methylnaphthalene	12.13	142	30793	1.031	ng	94
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	15712	0.962	ng	96
40) Hexachlorocyclopentadiene	12.49	237	6754	0.732	ng	87

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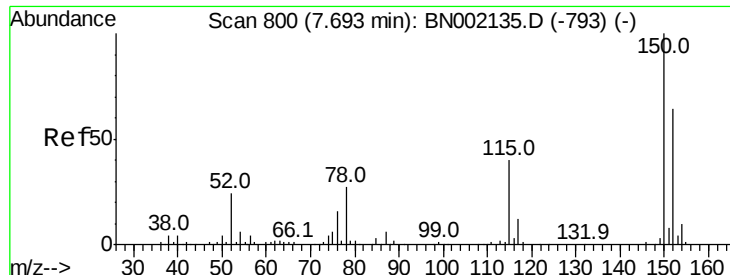
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	7761	0.708	nq	96
43) 2,4,5-Trichlorophenol	12.83	196	8156	0.702	nq	90
45) 1,1'-Biphenyl	13.15	154	44634	1.044	nq	99
46) 2-Chloronaphthalene	13.19	162	30297	0.918	nq	98
47) 2-Nitroaniline	13.41	65	6854	0.645	nq	95
48) Acenaphthylene	14.05	152	46981	0.938	nq	97
49) Dimethylphthalate	13.78	163	35560	0.881	nq	99
50) 2,6-Dinitrotoluene	13.90	165	5953	0.664	nq	93
51) Acenaphthene	14.39	154	28382	0.941	nq	91
52) 3-Nitroaniline	14.24	138	5516	0.568	nq #	92
54) Dibenzofuran	14.72	168	47346	0.968	nq	98
55) 4-Nitrophenol	14.58	139	3085	0.414	nq #	81
56) 2,4-Dinitrotoluene	14.70	165	7134	0.586	nq #	90
57) Fluorene	15.37	166	35924	0.974	nq	97
58) 2,3,4,6-Tetrachlorophenol	14.96	232	7263	0.727	nq #	95
59) Diethylphthalate	15.15	149	33696	0.820	nq	98
60) 4-Chlorophenyl-phenylether	15.37	204	18260	0.895	nq	97
61) 4-Nitroaniline	15.40	138	5034	0.508	nq	93
62) Azobenzene	15.66	77	31035	0.787	nq	95
64) 4,6-Dinitro-2-methylphenol	15.47	198	2200	0.316	nq	75
65) n-Nitrosodiphenylamine	15.59	169	28514	0.834	nq	95
66) 4-Bromophenyl-phenylether	16.27	248	10529	0.873	nq #	82
67) Hexachlorobenzene	16.38	284	12145	0.910	nq	95
68) Atrazine	16.54	200	7945	0.690	nq	96
69) Pentachlorophenol	16.73	266	3078	0.358	nq	88
70) Phenanthrene	17.11	178	58142	1.034	nq	98
71) Anthracene	17.20	178	52156	0.937	nq	98
72) Carbazole	17.48	167	42738	0.765	nq	97
73) Di-n-butylphthalate	18.05	149	43789	0.672	nq	99
74) Fluoranthene	19.13	202	54522	0.893	nq	93
76) Benzidine	19.33	184	8960	0.306	nq #	88
77) Pyrene	19.50	202	56289	0.910	nq	96
79) Butylbenzylphthalate	20.41	149	17080	0.634	nq #	93
80) Benzo(a)anthracene	21.25	228	56342	1.030	nq	98
81) 3,3'-Dichlorobenzidine	21.19	252	10701	0.502	nq	93
82) Chrysene	21.30	228	51217	0.984	nq	97
83) Bis(2-ethylhexyl)phthalate	21.19	149	26029	0.693	nq #	85
84) Di-n-octyl phthalate	22.07	149	39071	0.656	nq #	94
85) Indeno(1,2,3-cd)pyrene	25.72	276	51256	1.010	nq #	92
87) Benzo(b)fluoranthene	22.83	252	49358m	0.981	nq	
88) Benzo(k)fluoranthene	22.87	252	49862	1.006	nq #	96
89) Benzo(a)pyrene	23.40	252	46824	0.996	nq	98
90) Dibenzo(a,h)anthracene	25.73	278	42542	0.964	nq #	93
91) Benzo(g,h,i)perylene	26.40	276	42664	1.000	nq	96

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



#1

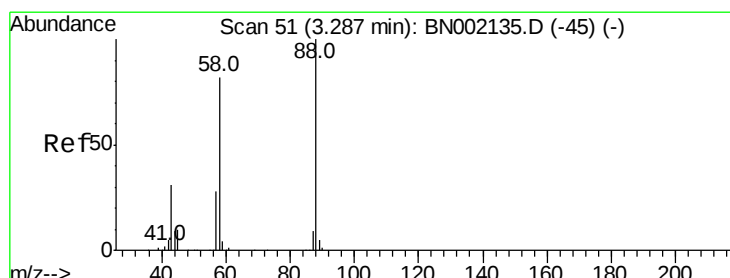
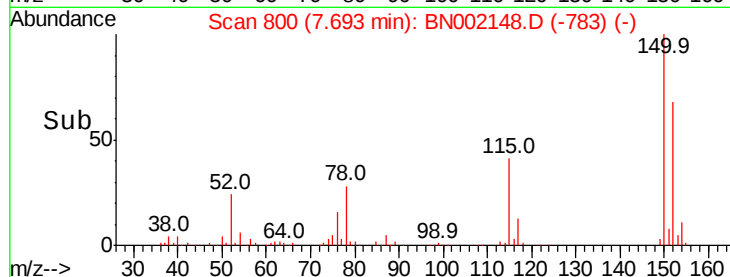
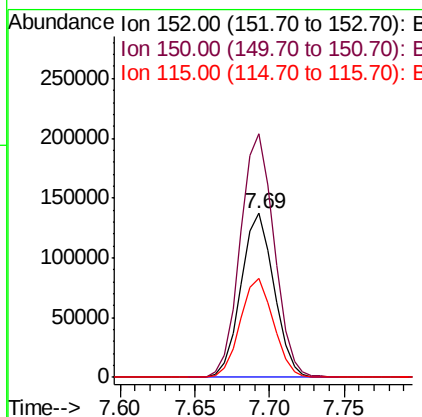
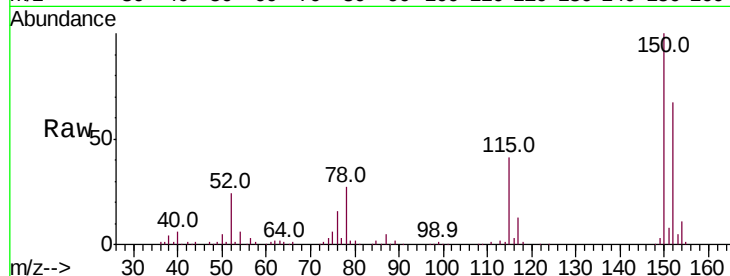
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	126.6	189.8
115	60.5	53.0	79.4

Manual Integrations
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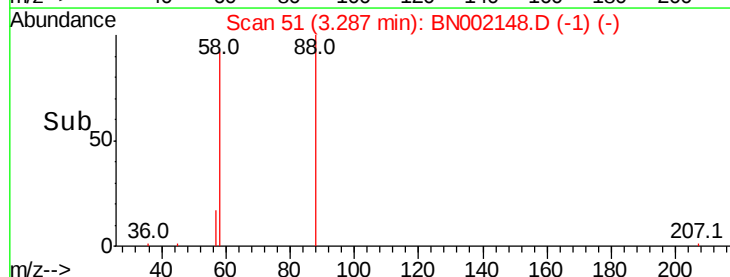
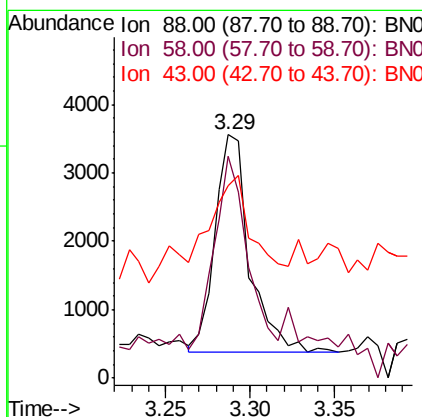
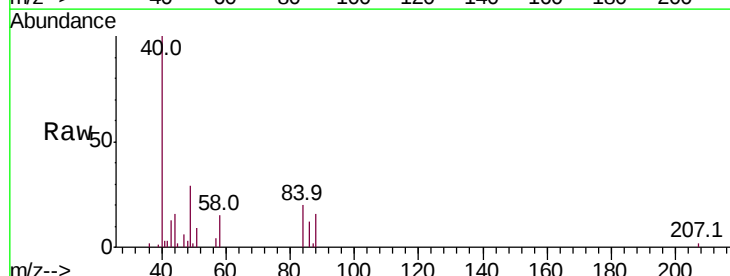
Sohil
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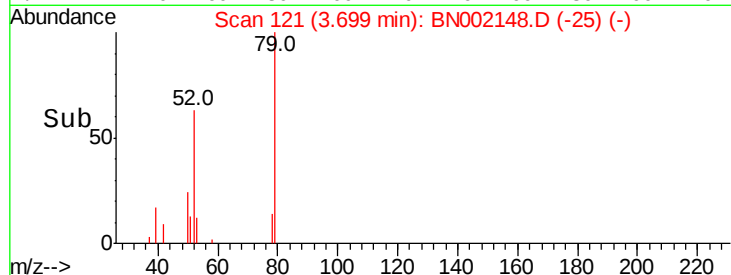
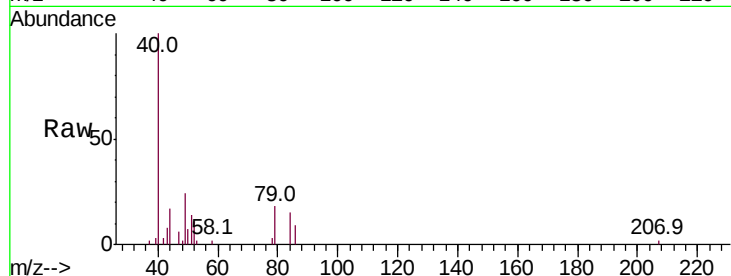
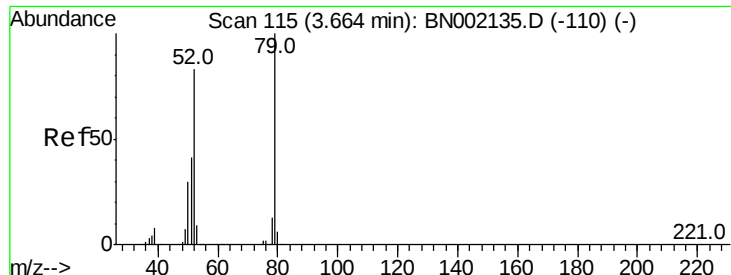


#2

1,4-Dioxane
Concen: 0.916 ng
RT: 3.29 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.7	52.0	78.0#
43	73.1	20.0	30.0#





#3

Pvridine

Concen: 0.639 ng

RT: 3.70 min Scan# 121

Delta R.T. 0.04 min

Lab File: BN002148.D

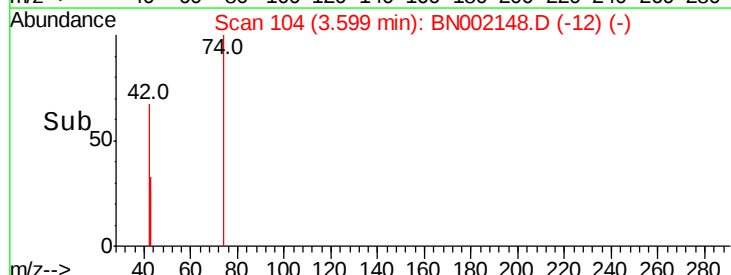
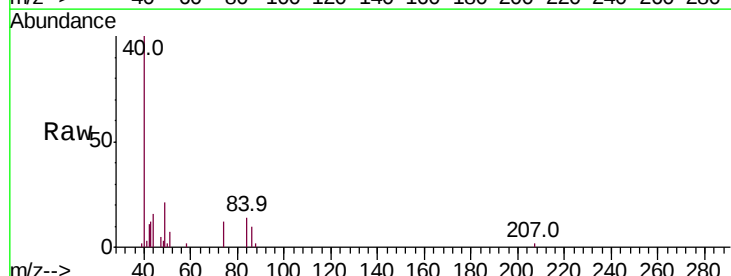
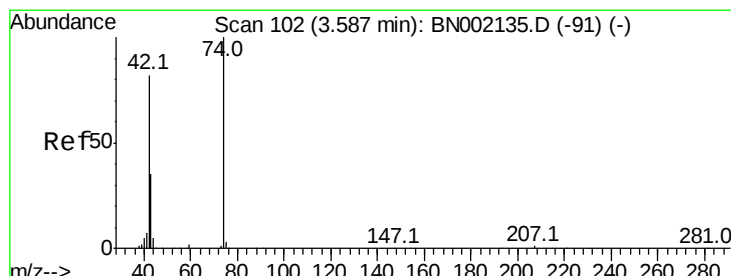
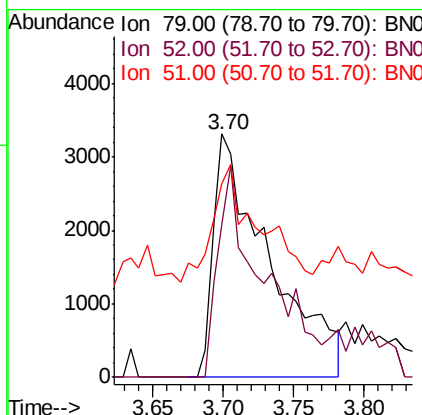
Acq: 25 Jul 2018 22:26

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.7	44.0	66.0
51	79.5	24.0	36.0

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Manual Integrations
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Sohil
7/27/2018 11:35:40 AM



#4

n-Nitrosodimethylamine

Concen: 0.922 ng

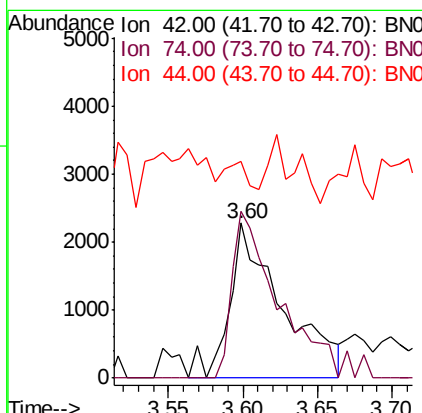
RT: 3.60 min Scan# 104

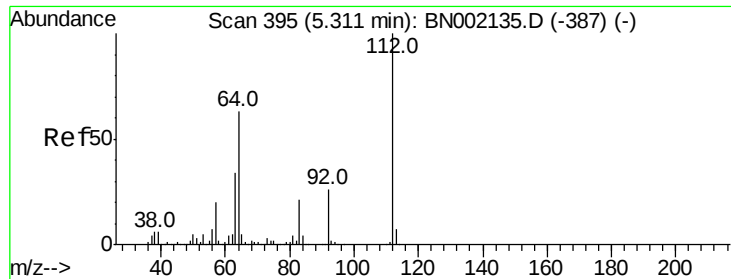
Delta R.T. 0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
42	100		
74	107.2	128.0	192.0
44	140.1	12.0	18.0





#5

2-Fluorophenol

Concen: 116.456 ng

RT: 5.30 min Scan# 394

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:112 Resp: 1527680

Ion Ratio Lower Upper

112 100

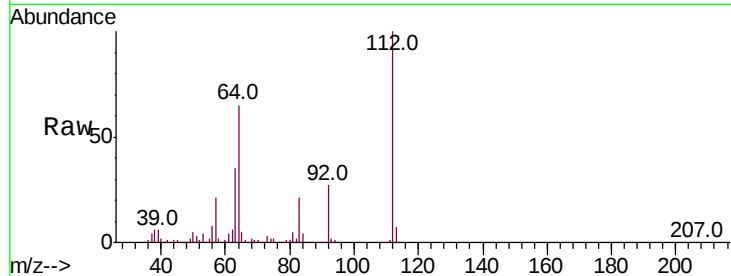
64 65.3 56.3 84.5

63 34.7 30.1 45.1

Manual Integrations
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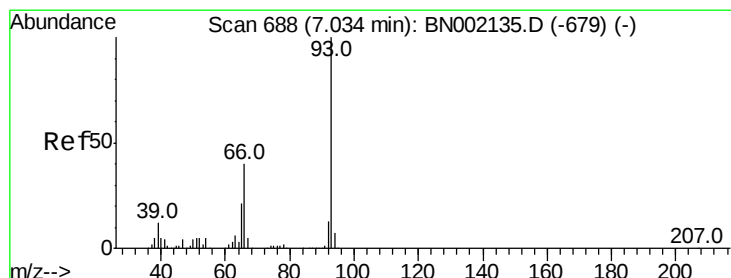
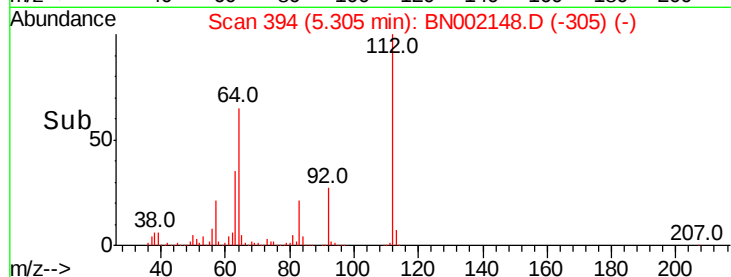
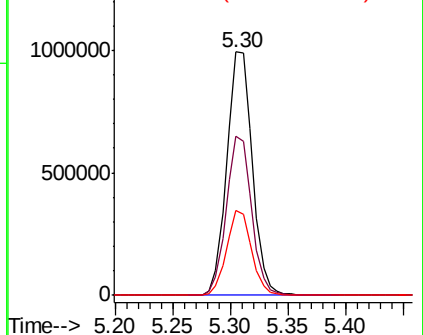
7/27/2018 11:35:40 AM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 0.551 ng

RT: 7.03 min Scan# 688

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion: 93 Resp: 12392

Ion Ratio Lower Upper

93 100

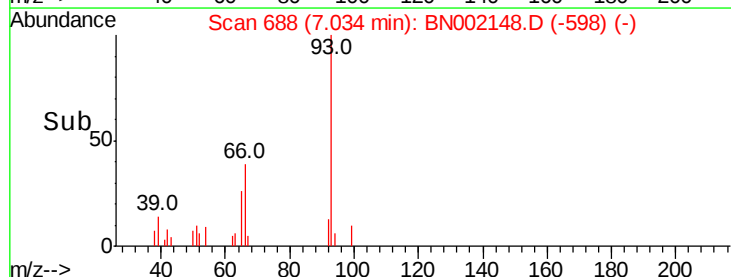
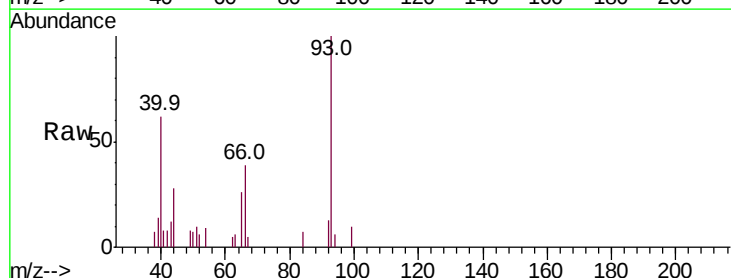
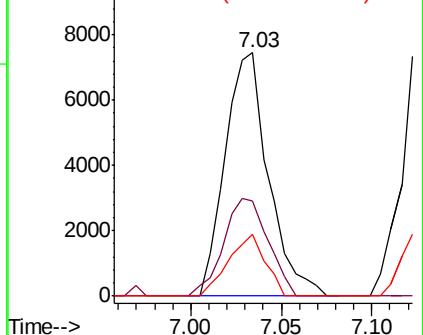
66 38.8 33.7 50.5

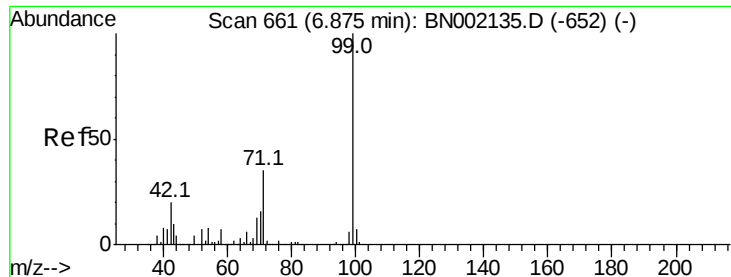
65 25.5 16.1 24.1#

Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 112.070 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 2063086

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

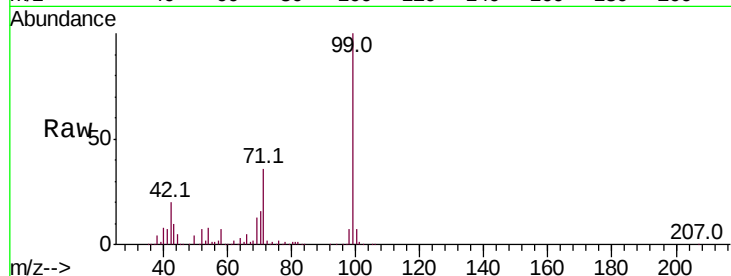
71 35.8 26.1 39.1

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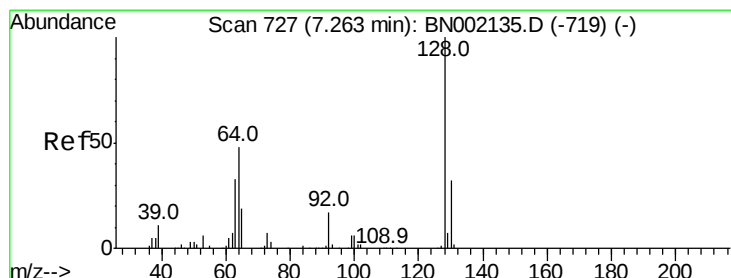
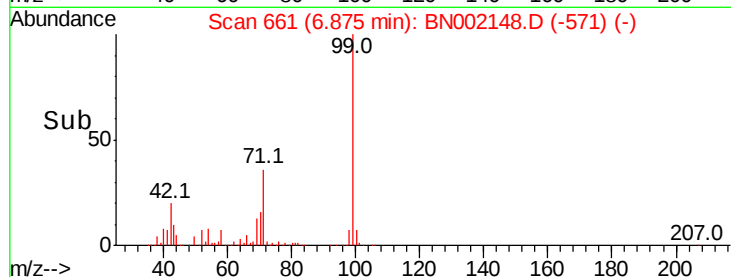
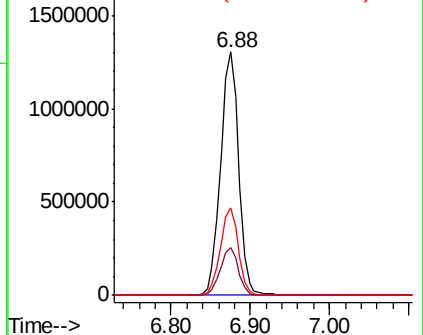
7/27/2018 11:35:40 AM



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#8

2-Chlorophenol

Concen: 0.906 ng

RT: 7.26 min Scan# 727

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

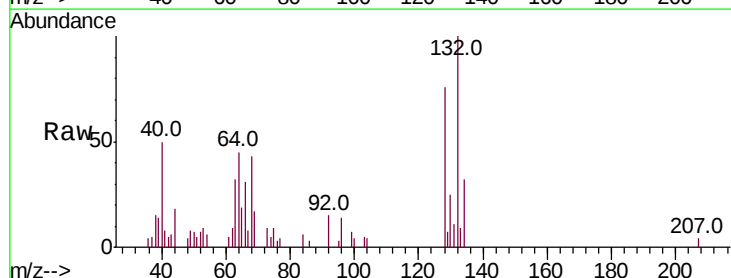
Tgt Ion:128 Resp: 13784

Ion Ratio Lower Upper

128 100

130 32.6 14.0 54.0

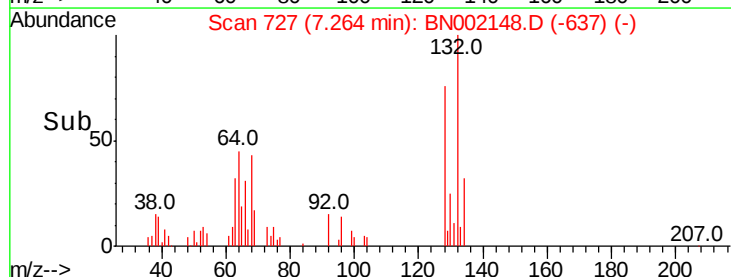
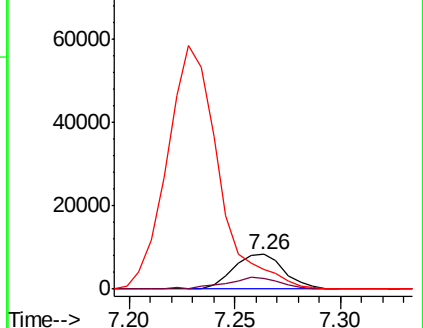
64 58.5 37.7 77.7

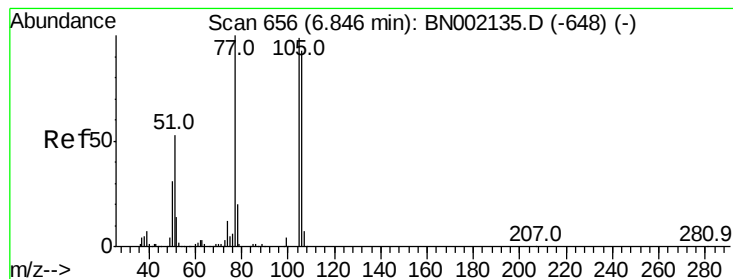


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BNC





#9

Benzaldehyde

Concen: 1.329 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

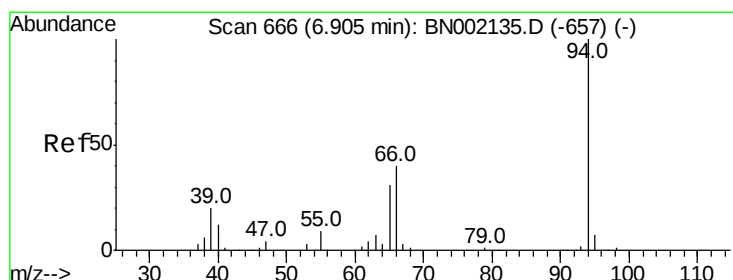
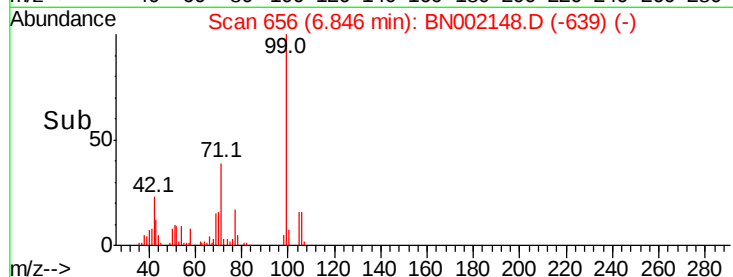
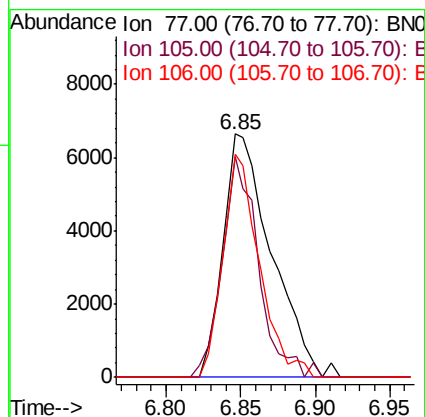
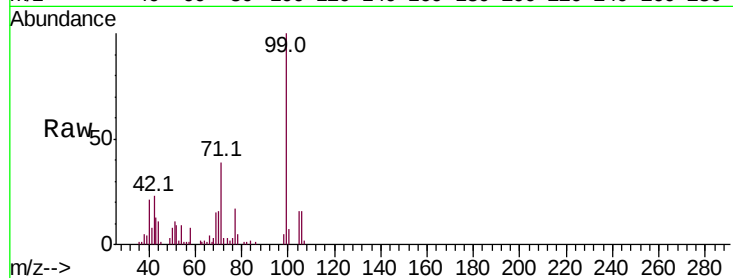
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	77	Resp:	15065
Ion	Ratio	Lower	Upper
77	100		
105	90.4	71.3	111.3
106	91.7	64.2	104.2

Manual Integrations
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7/27/2018 11:35:40 AM



#10

Phenol

Concen: 0.906 ng

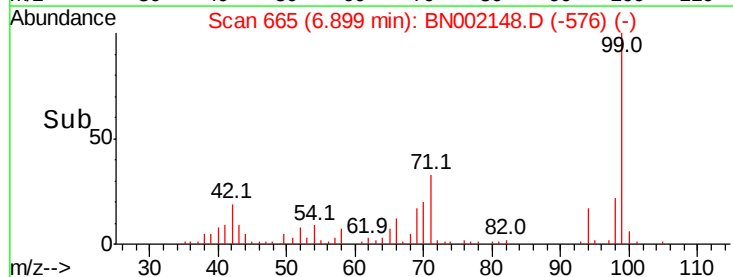
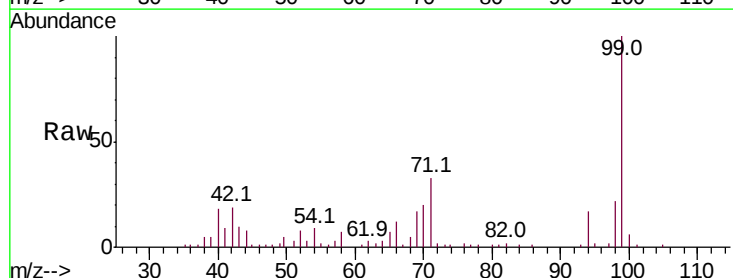
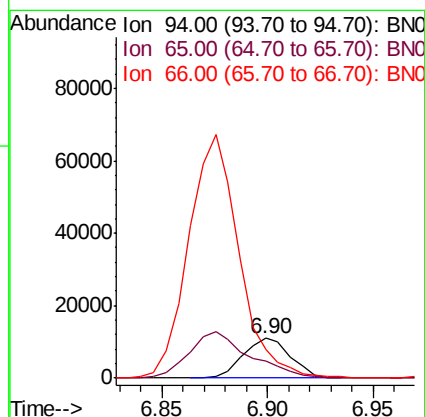
RT: 6.90 min Scan# 665

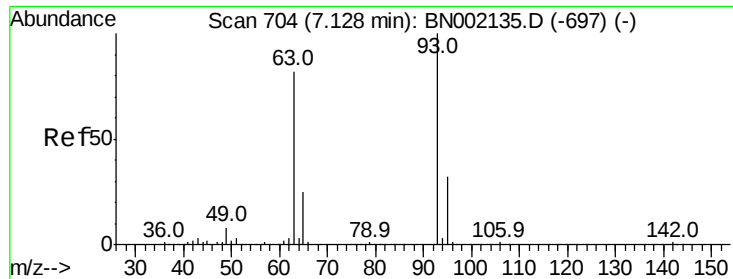
Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion:	94	Resp:	17087
Ion	Ratio	Lower	Upper
94	100		
65	42.8	11.9	51.9
66	70.2	22.2	62.2#





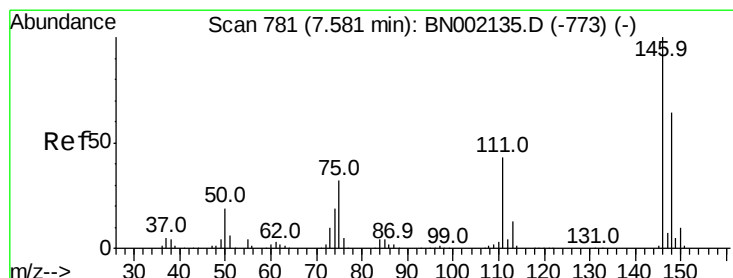
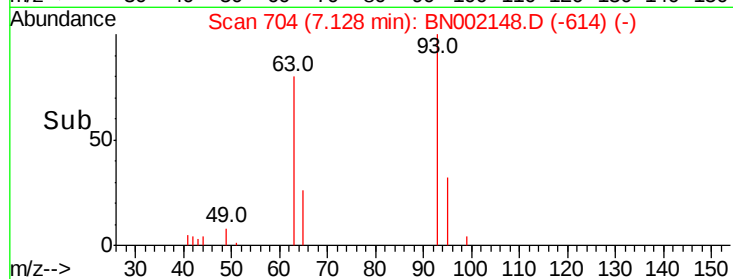
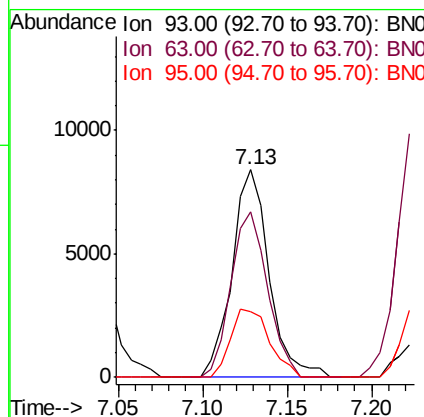
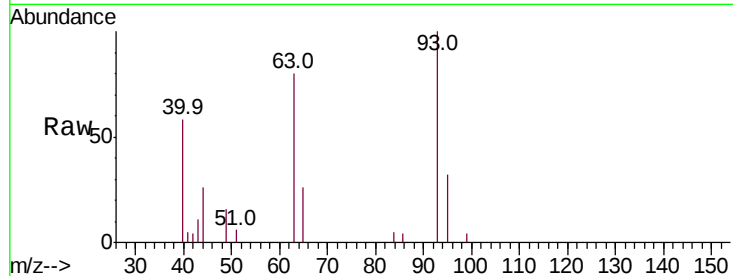
#11
bis(2-Chloroethyl)ether
Concen: 0.835 ng
RT: 7.13 min Scan# 704
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
63	79.9	67.1	107.1
95	31.7	11.5	51.5

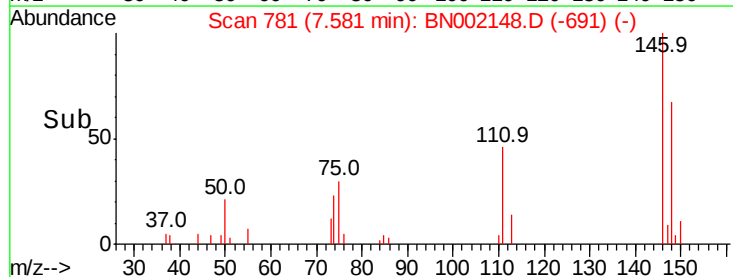
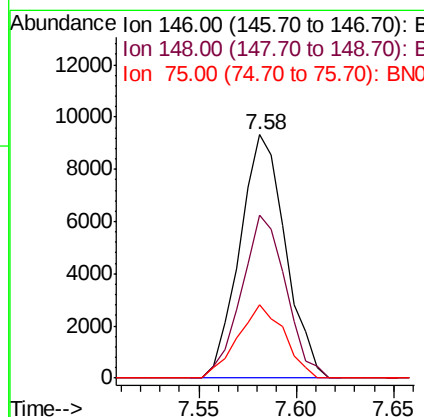
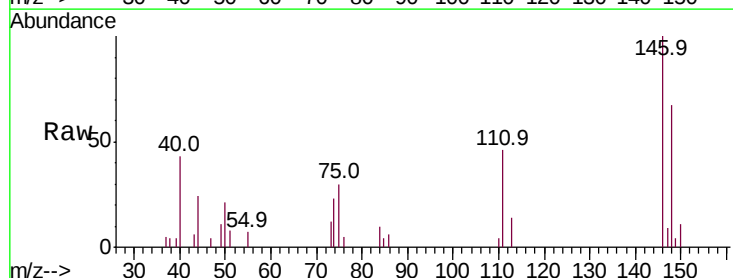
Manual Integrations
APPROVED

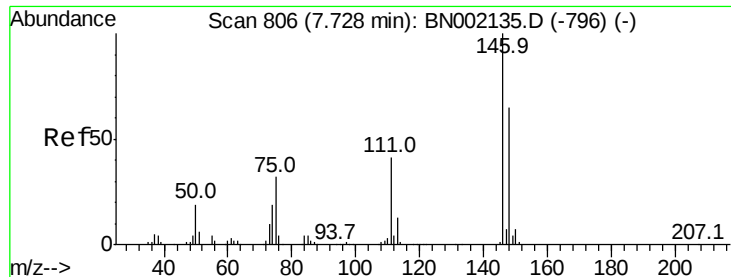
Sohil
7/27/2018 11:35:40 AM



#12
1,3-Dichlorobenzene
Concen: 0.871 ng
RT: 7.58 min Scan# 781
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.7	51.4	77.2
75	29.9	26.6	39.8





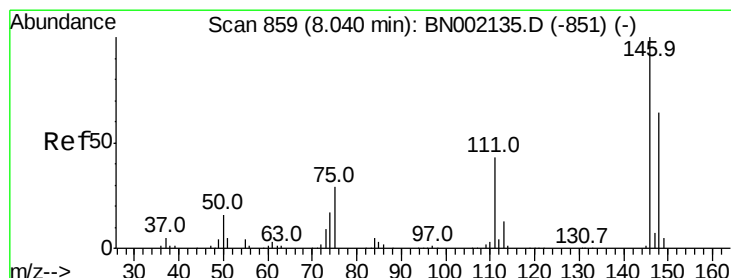
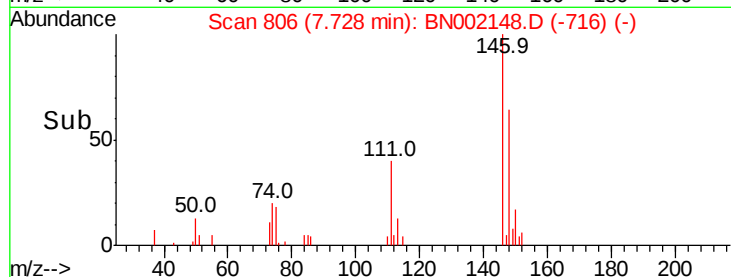
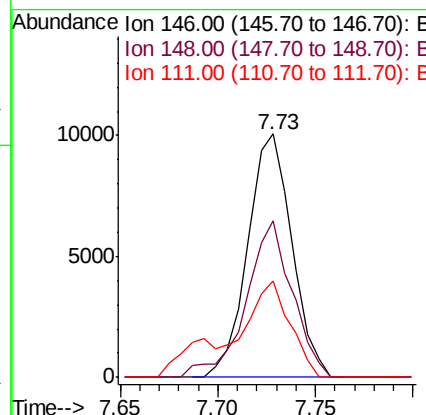
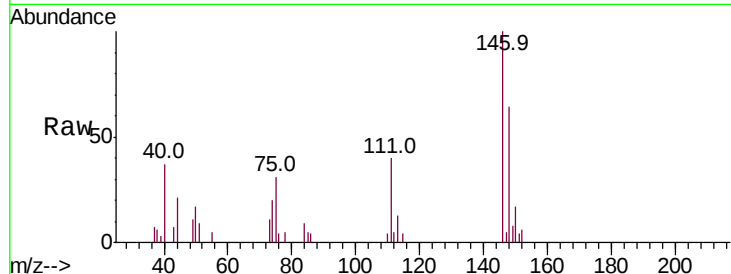
#13
1,4-Dichlorobenzene
Concen: 0.889 ng
RT: 7.73 min Scan# 806
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	53.7	80.5
111	39.7	35.2	52.8

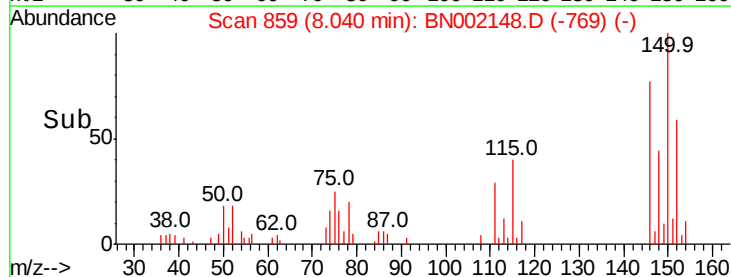
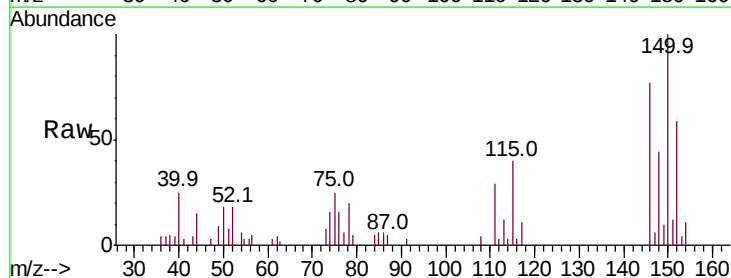
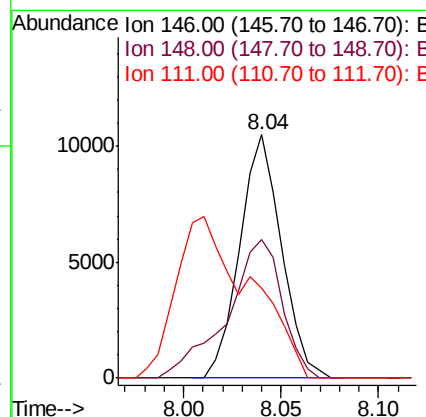
Manual Integrations
APPROVED

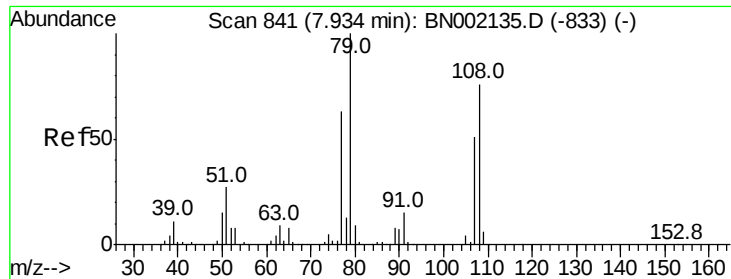
Sohil
7/27/2018 11:35:40 AM



#14
1,2-Dichlorobenzene
Concen: 0.907 ng
RT: 8.04 min Scan# 859
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	57.1	49.3	73.9
111	36.9	34.3	51.5





#15

Benzyl Alcohol

Concen: 0.510 ng

RT: 7.94 min Scan# 842

Delta R.T. 0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

ClientSampleId :

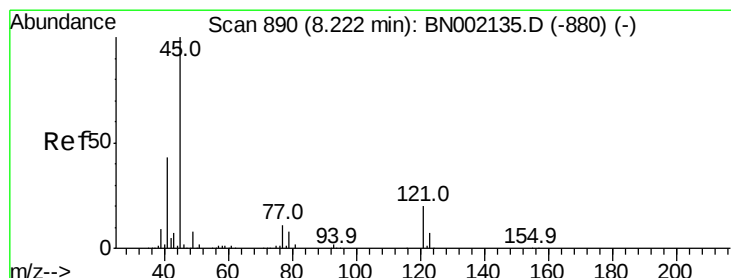
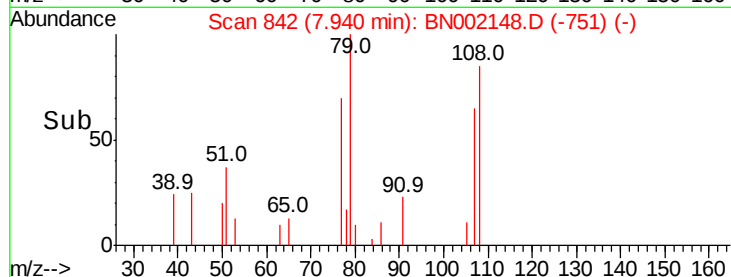
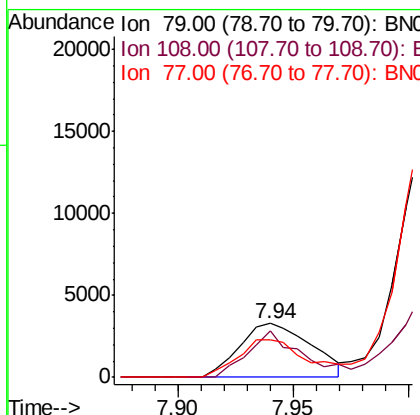
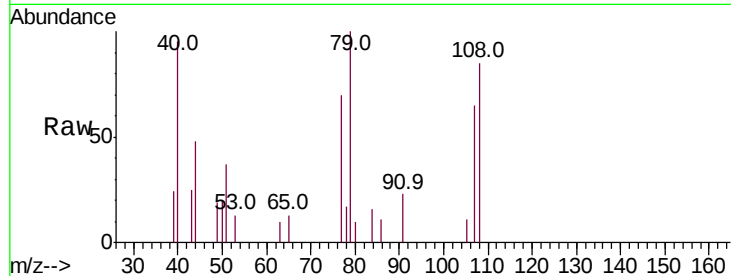
MDL-SOIL-03-QT3-2018

Tot Ion: 79 Resp: 7091

Ion	Ratio	Lower	Upper
79	100		
108	85.2	57.2	85.8
77	69.9	46.1	69.1#

Manual Integrations
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Sohil
7/27/2018 11:35:40 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.896 ng

RT: 8.22 min Scan# 890

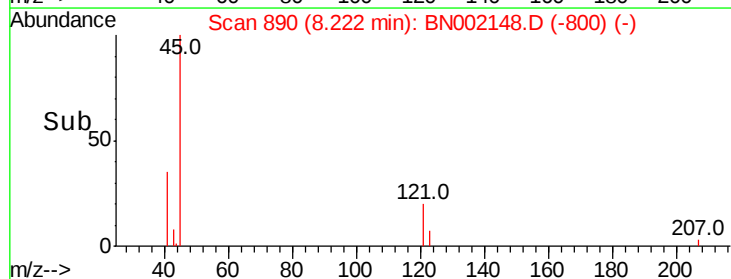
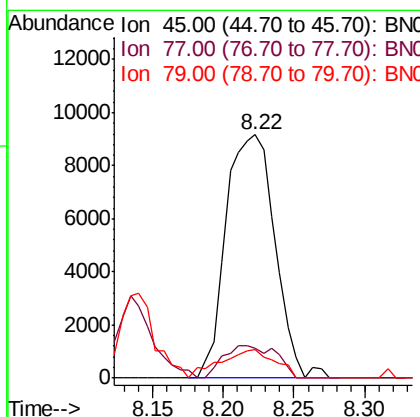
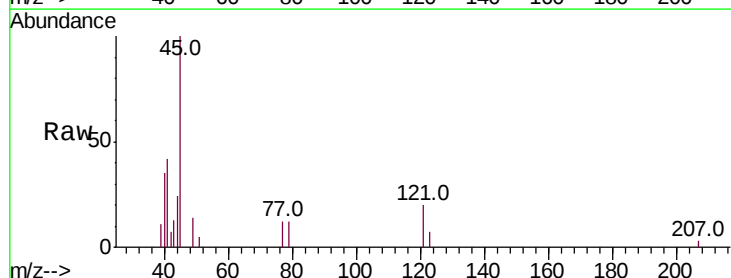
Delta R.T. 0.00 min

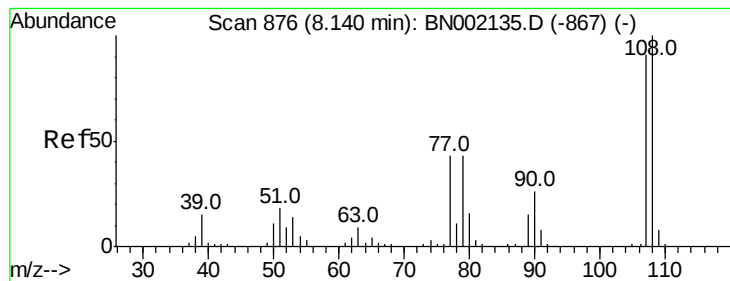
Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion: 45 Resp: 22211

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	30.2
79	11.8	0.0	27.9





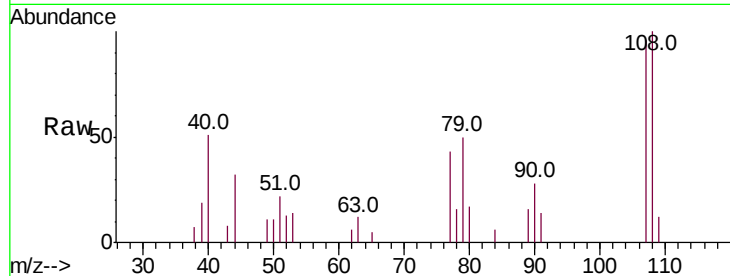
#17
2-Methylphenol
Concen: 0.819 ng
RT: 8.14 min Scan# 876
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	107	Resp	10552
Ion	Ratio	Lower	Upper
107	100		
108	104.3	83.9	125.9
77	45.0	37.2	55.8
79	52.4	36.2	54.2

Manual Integrations
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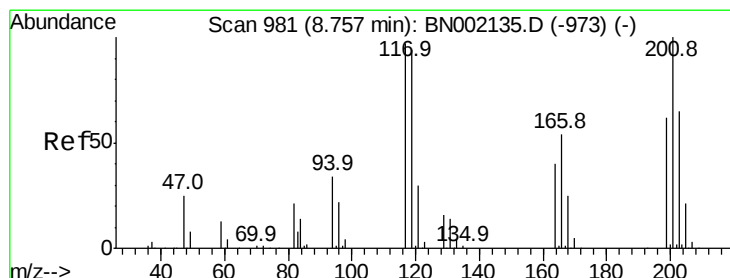
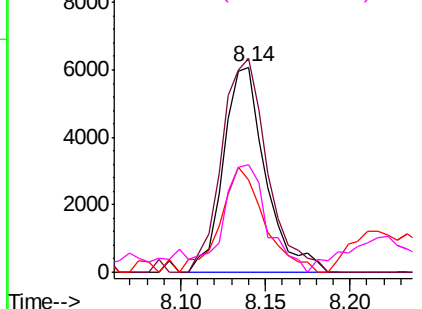
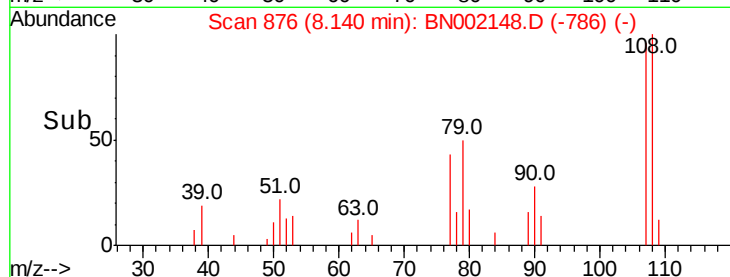
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

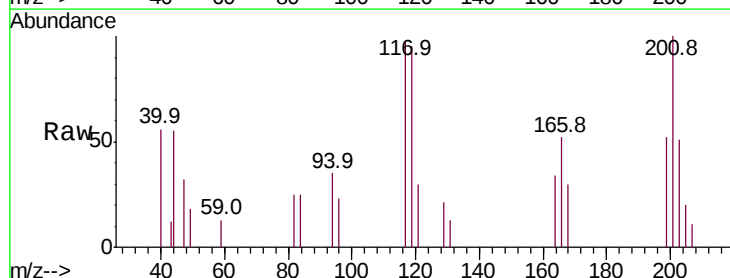
Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18
Hexachloroethane
Concen: 0.895 ng
RT: 8.76 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	117	Resp	5813
Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	102.7	95.7	143.5

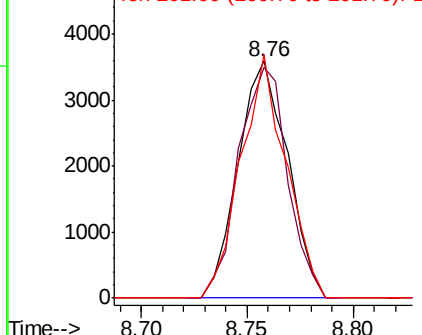
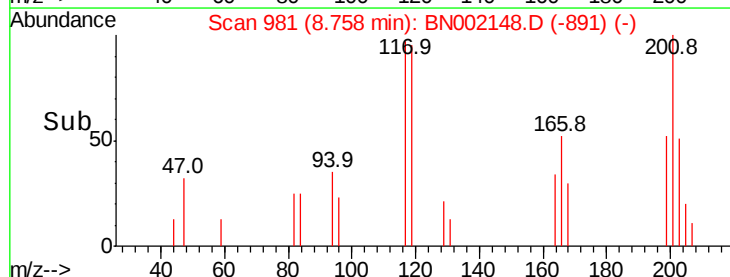


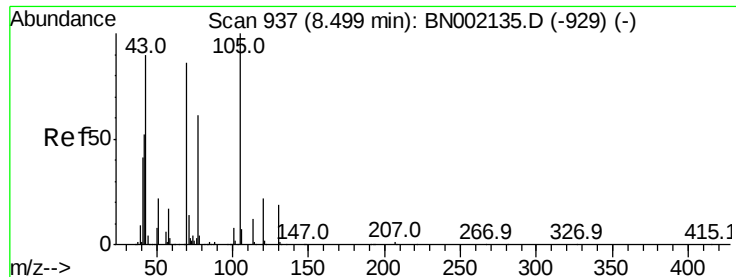
Abundance

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





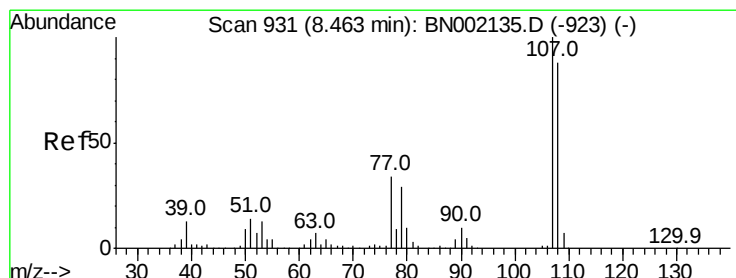
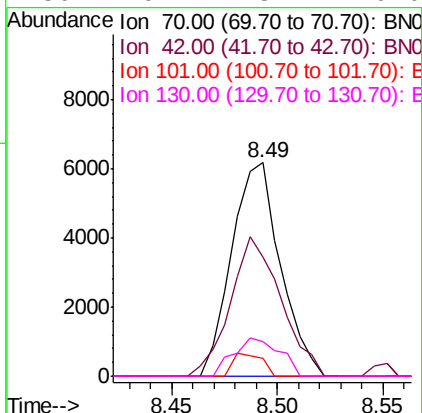
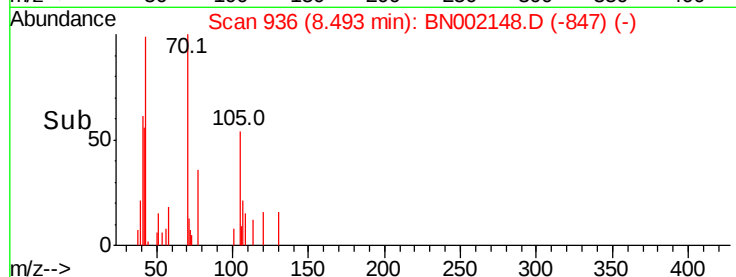
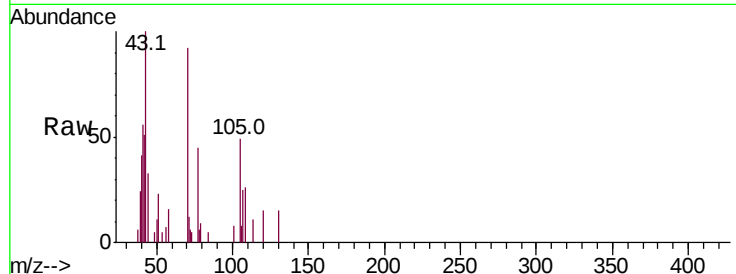
#19
n-Nitroso-di-n-propylamine
Concen: 0.742 ng
RT: 8.49 min Scan# 936
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.6	49.1	73.7	
101	8.2	8.5	12.7	
130	16.4	13.4	20.0	

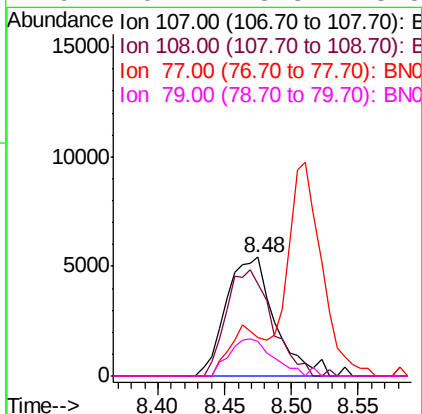
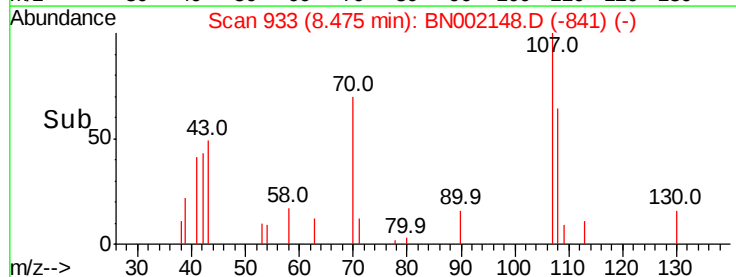
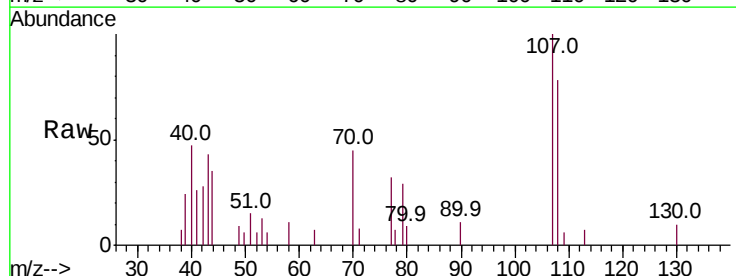
Manual Integrations
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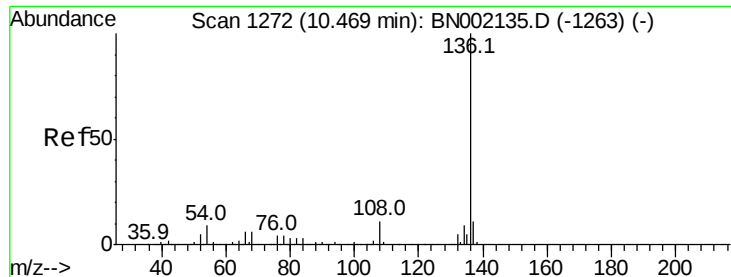
Sohil
7/27/2018 11:35:40 AM



#20
3+4-Methylphenols
Concen: 0.761 ng
RT: 8.48 min Scan# 933
Delta R.T. 0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	77.7	61.6	101.6	
77	32.3	13.9	53.9	
79	29.2	8.8	48.8	





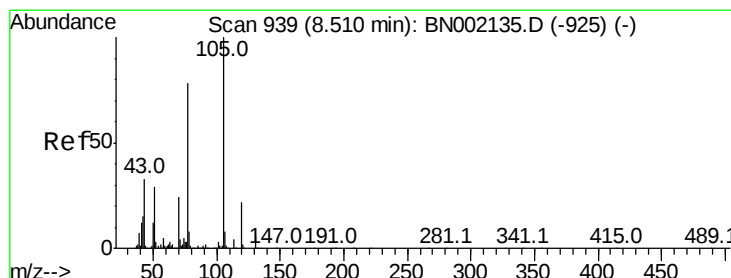
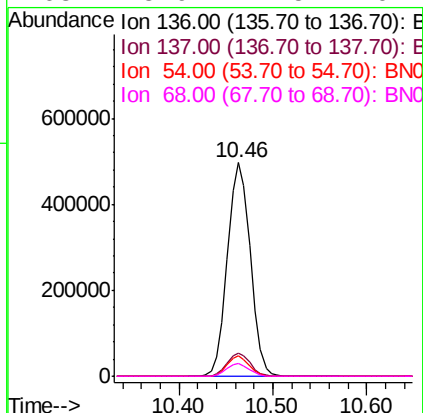
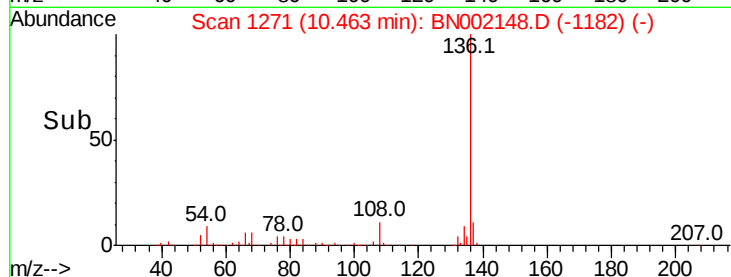
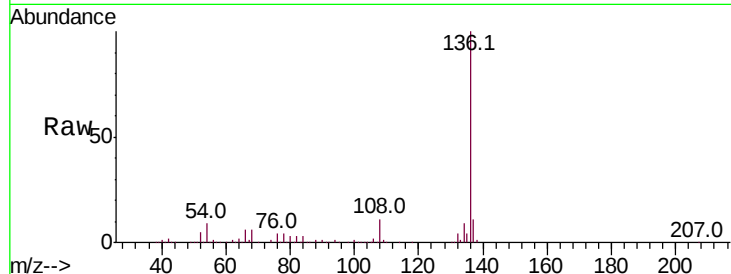
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.2	13.8	
54	9.4	10.3	15.5	
68	5.9	4.5	6.7	

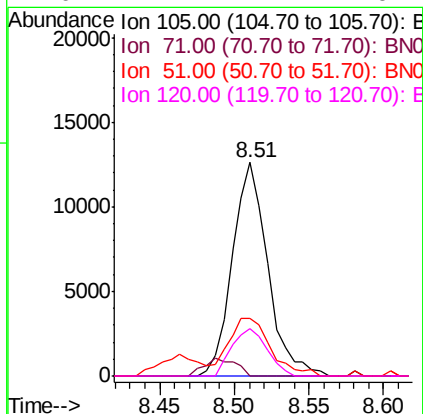
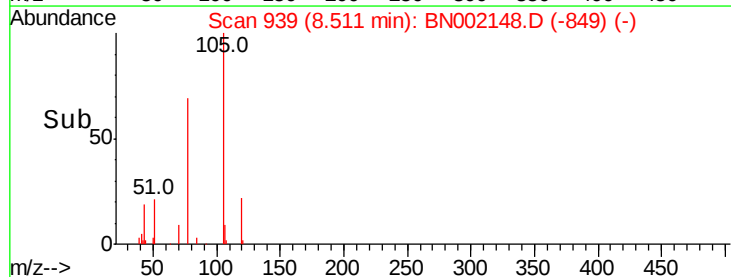
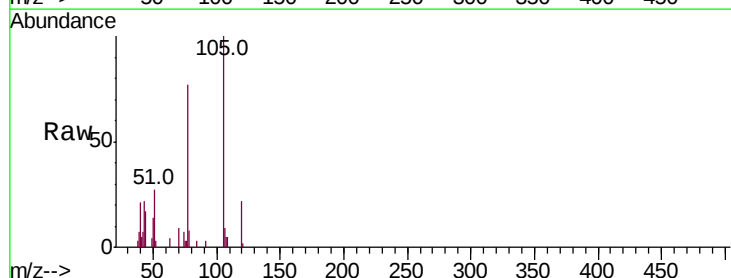
Manual Integrations
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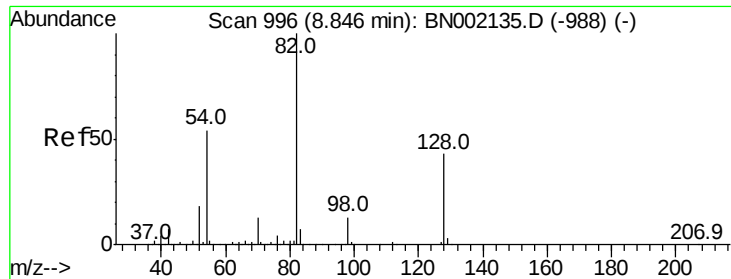
Sohil
7/27/2018 11:35:40 AM



#22
Acetophenone
Concen: 0.958 ng
RT: 8.51 min Scan# 939
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	3.0	4.4	
51	27.0	26.1	39.1	
120	22.1	17.4	26.2	





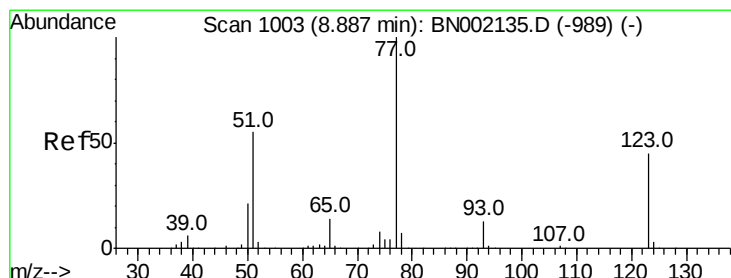
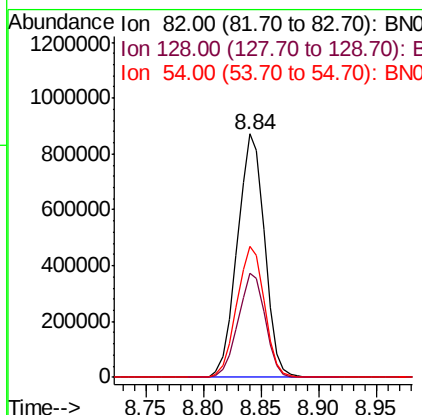
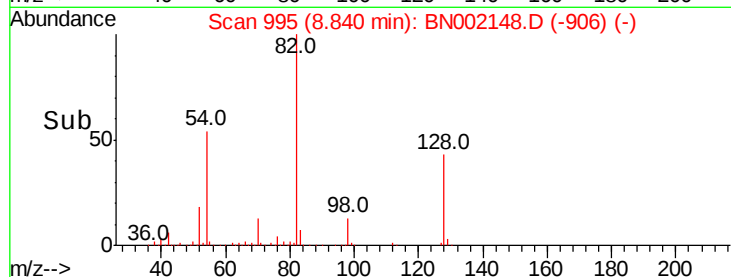
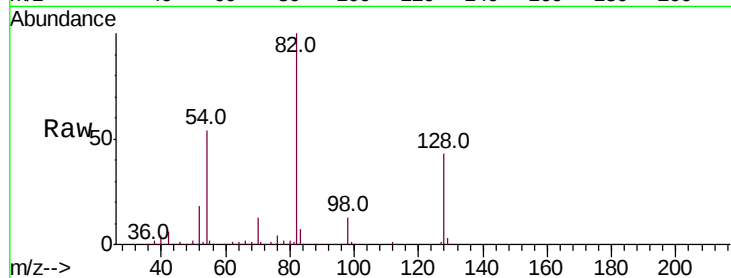
#23
Nitrobenzene-d5
Concen: 87.299 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion: 82 Resp: 1428057
Ion Ratio Lower Upper
82 100
128 42.7 29.7 44.5
54 53.6 43.1 64.7

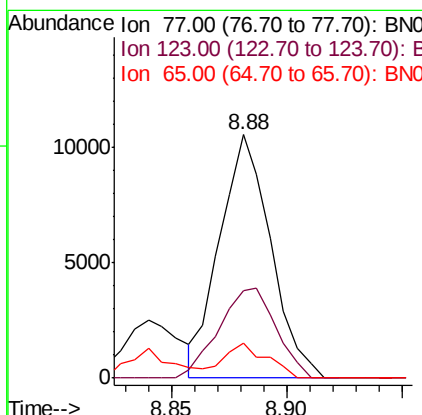
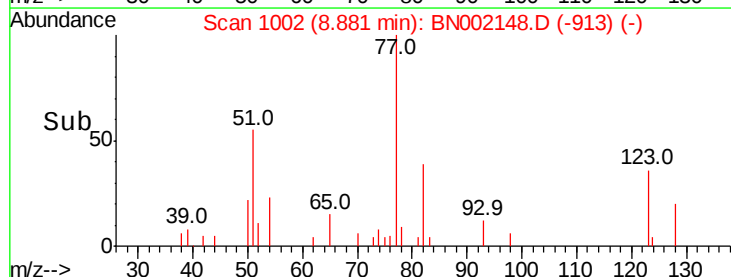
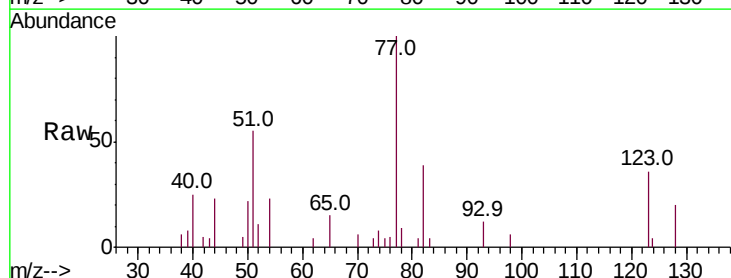
Manual Integrations
APPROVED

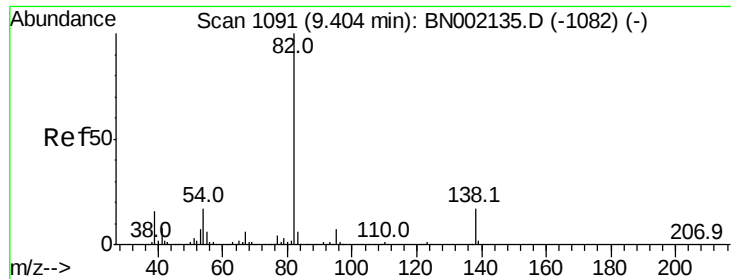
Sohil
7/27/2018 11:35:40 AM



#24
Nitrobenzene
Concen: 0.953 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion: 77 Resp: 16161
Ion Ratio Lower Upper
77 100
123 35.8 33.0 49.6
65 14.5 13.0 19.6





#25

Isophorone

Concen: 0.951 ng

RT: 9.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

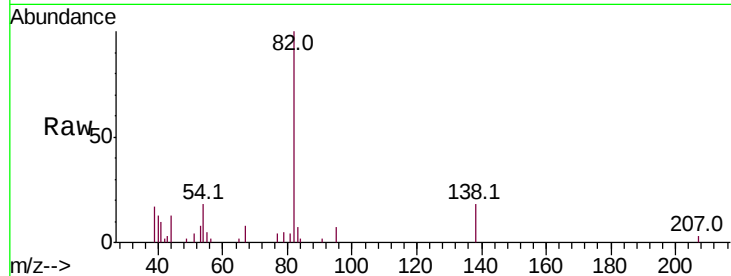
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
82	100		
95	6.8	6.2	9.2
138	17.9	12.1	18.1

Manual Integrations
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Sohil
7/27/2018 11:35:40 AM

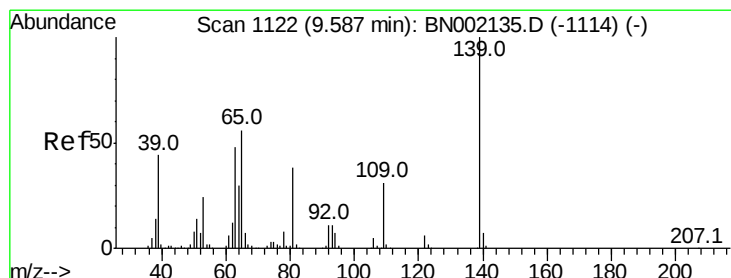
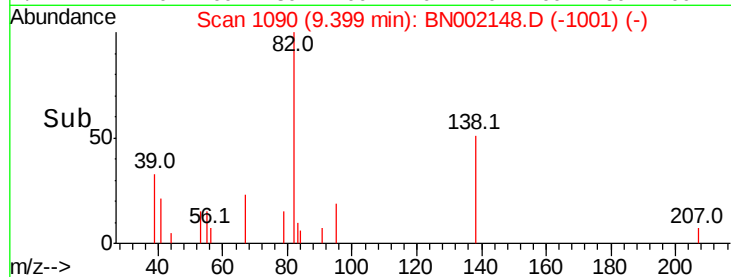
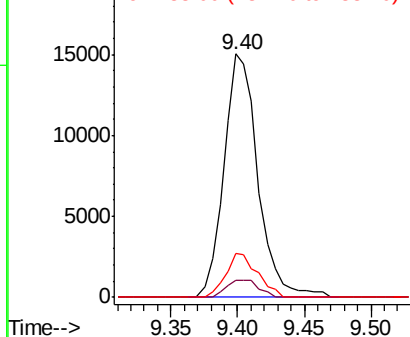


Abundance

Ion 82.00 (81.70 to 82.70): BN002135.D (-1082) (-)

Ion 95.00 (94.70 to 95.70): BN002148.D (-1001) (-)

Ion 138.00 (137.70 to 138.70): BN002148.D (-1001) (-)



#26

2-Nitrophenol

Concen: 0.650 ng

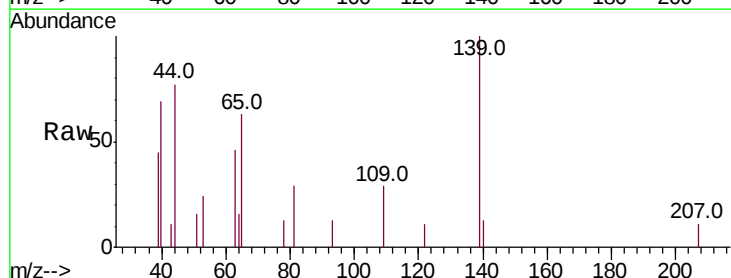
RT: 9.60 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.2	36.2
65	63.3	47.4	71.0

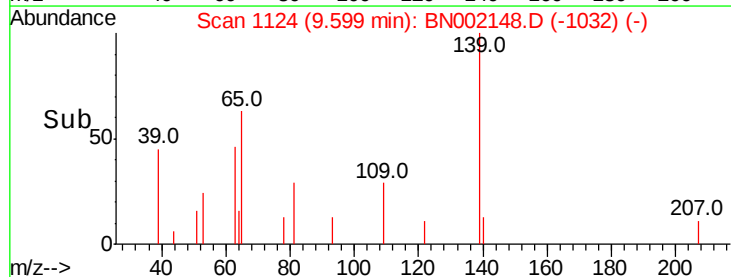
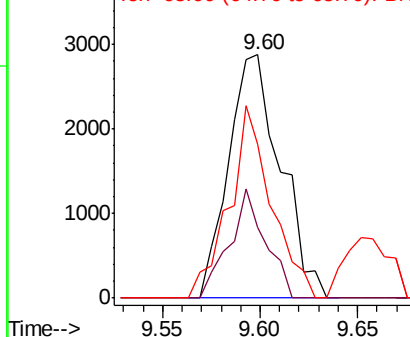


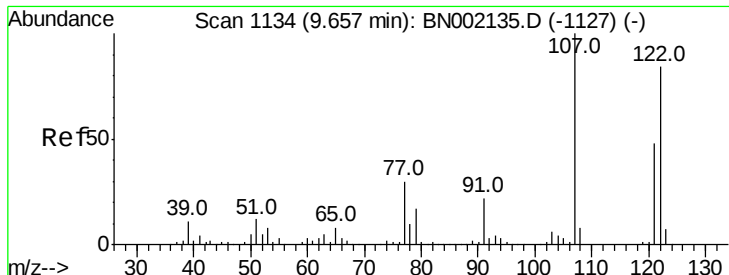
Abundance

Ion 139.00 (138.70 to 139.70): BN002135.D (-1114) (-)

Ion 109.00 (108.70 to 109.70): BN002148.D (-1032) (-)

Ion 65.00 (64.70 to 65.70): BN002148.D (-1032) (-)





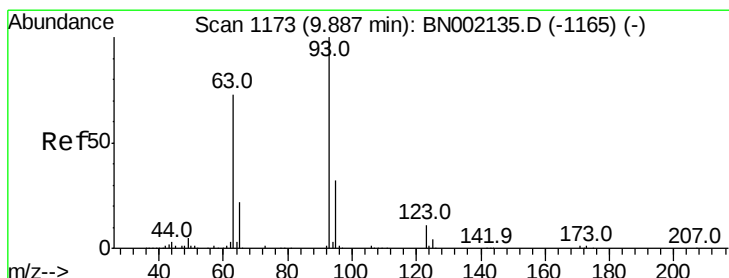
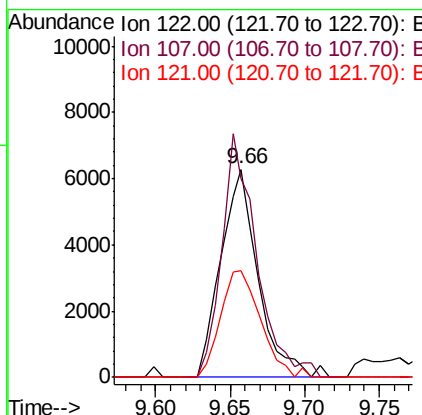
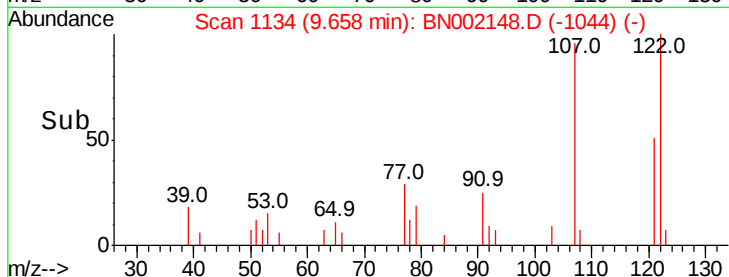
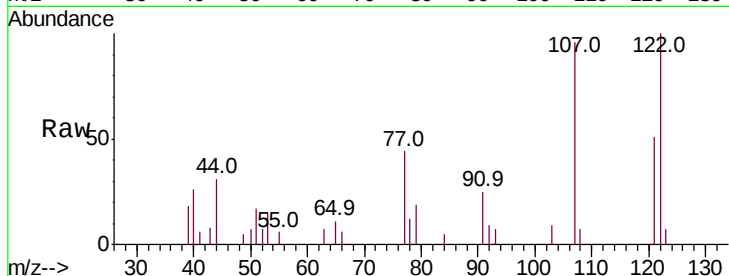
#27
 2,4-Dimethylphenol
 Concen: 0.966 ng
 RT: 9.66 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
122	100		
107	95.7	100.2	150.2#
121	51.4	44.4	66.6

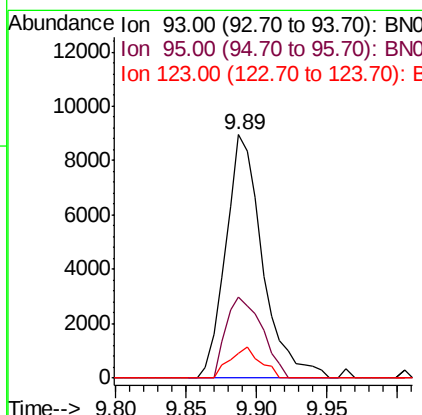
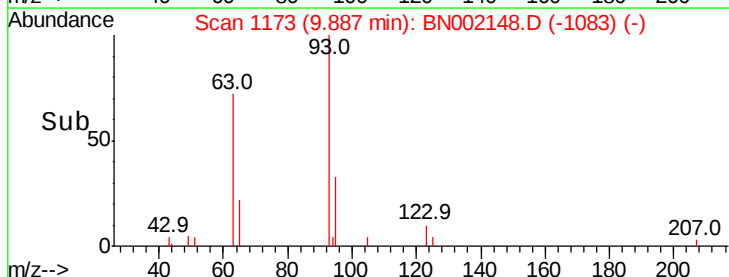
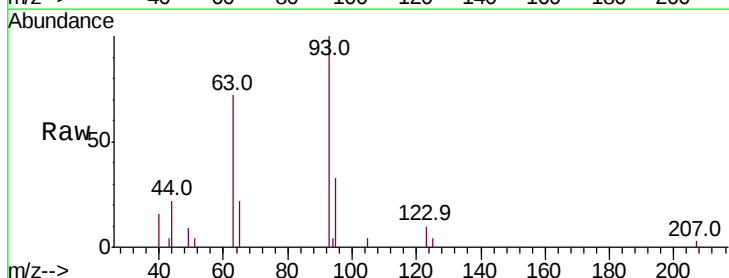
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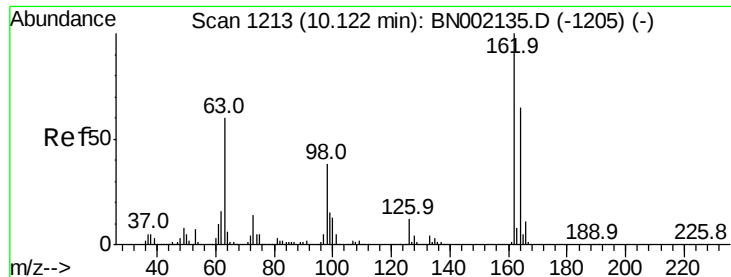
Sohil
 7/27/2018 11:35:40 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.897 ng
 RT: 9.89 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	24.3	36.5
123	10.4	8.4	12.6





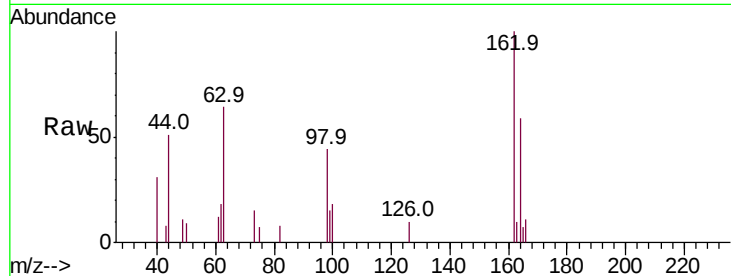
#29
 2,4-Dichlorophenol
 Concen: 0.706 ng
 RT: 10.13 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	59.3	48.0	88.0
98	44.2	21.1	61.1

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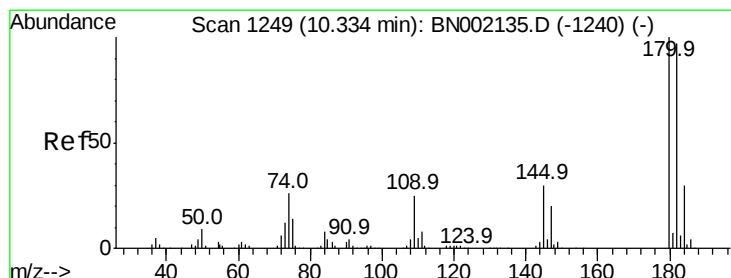
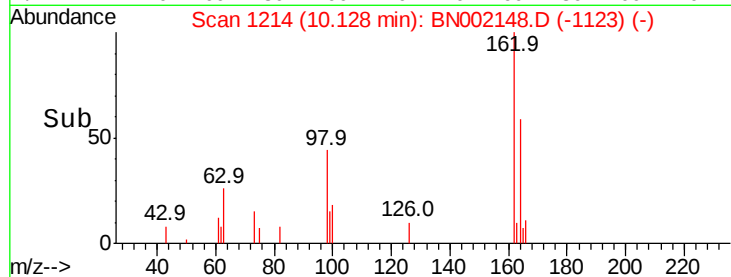
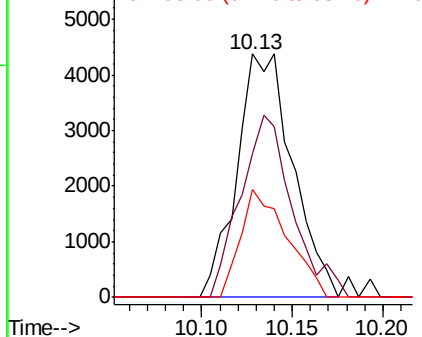


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#30
 1,2,4-Trichlorobenzene
 Concen: 0.942 ng
 RT: 10.33 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

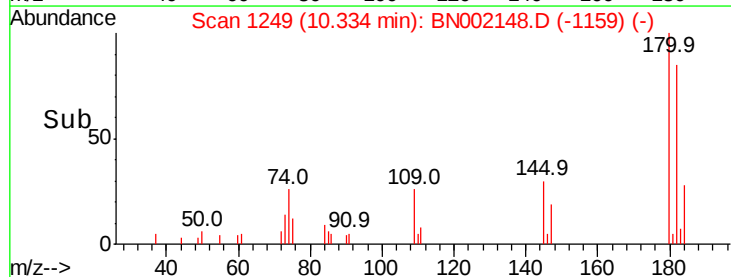
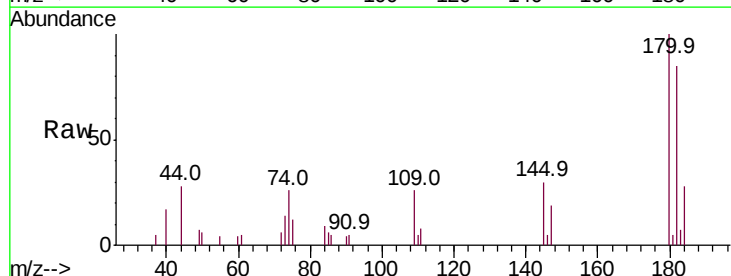
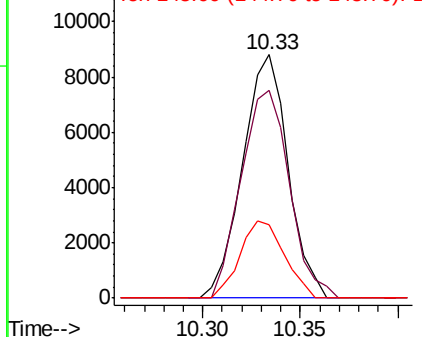
Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.4	77.5	116.3
145	30.4	23.4	35.2

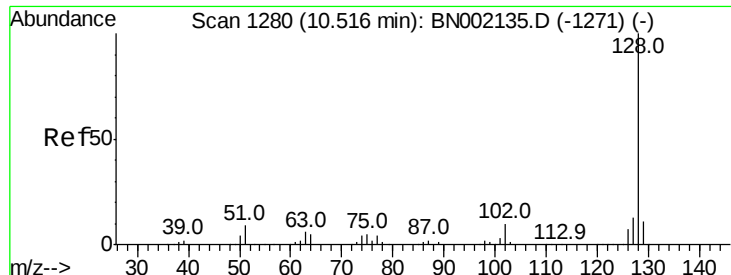
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





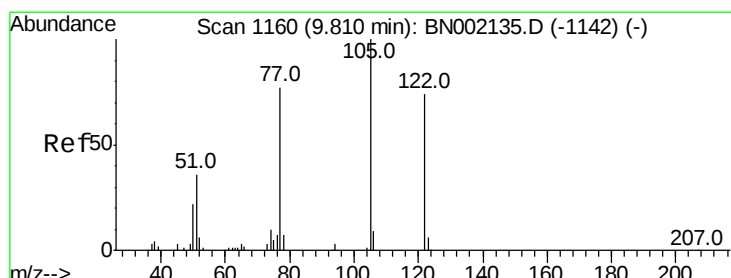
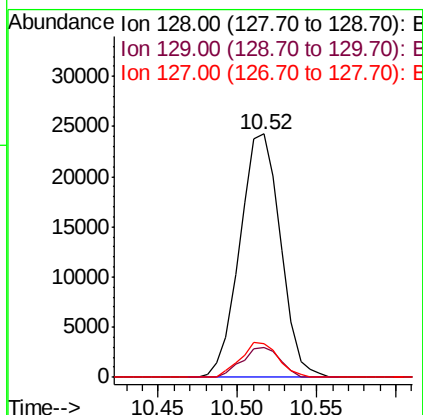
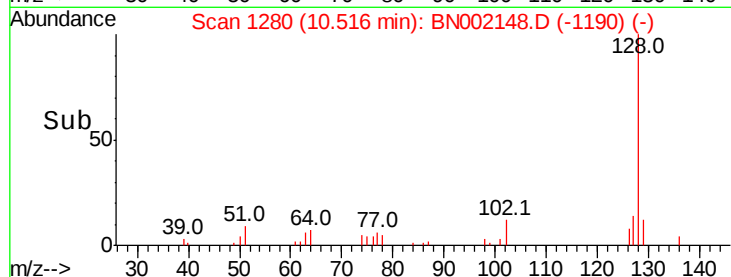
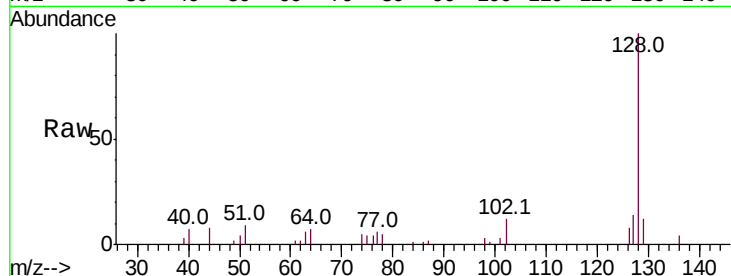
#31
Naphthalene
Concen: 1.023 ng
RT: 10.52 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	12.8
127	13.8	11.6	17.4

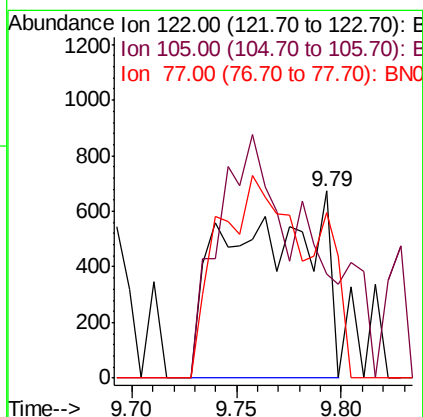
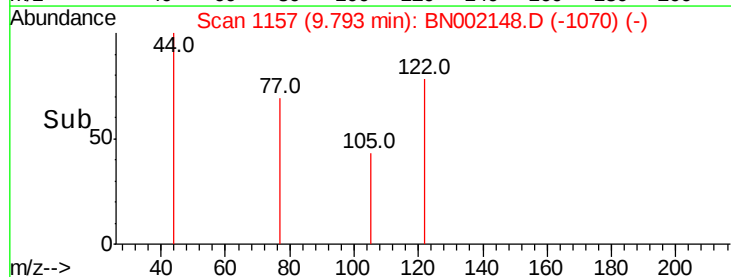
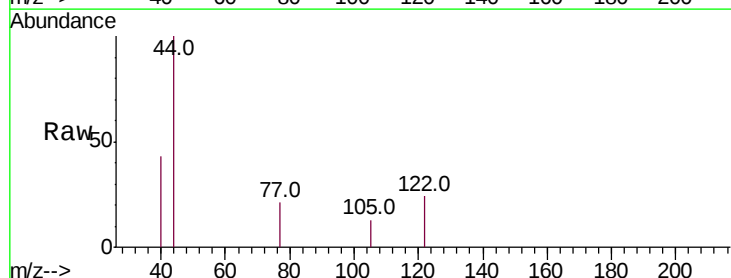
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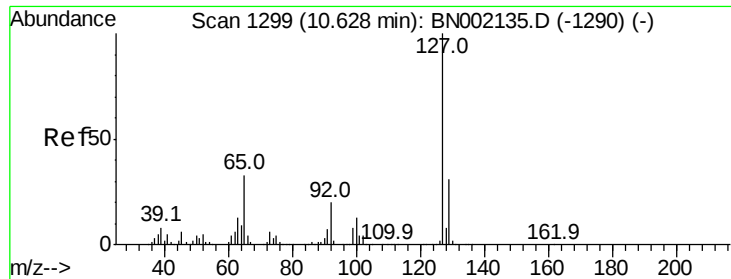
Sohil
7/27/2018 11:35:40 AM



#32
Benzoic acid
Concen: 0.201 ng m
RT: 9.79 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	55.7	123.5	163.5#
77	88.5	85.7	125.7





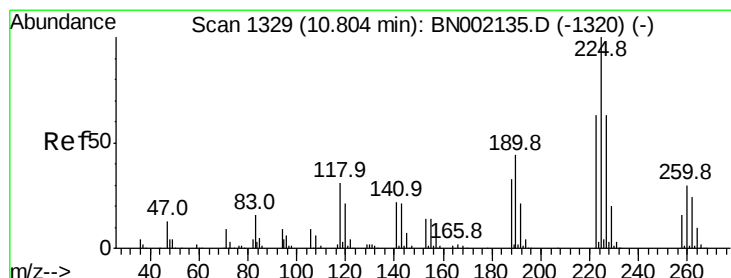
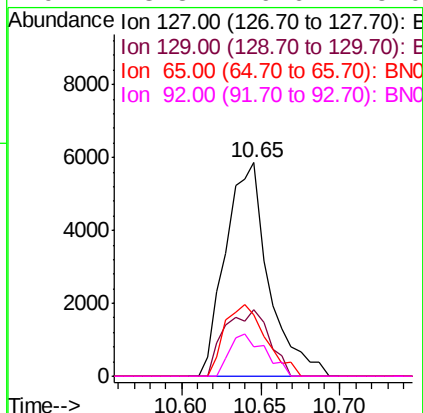
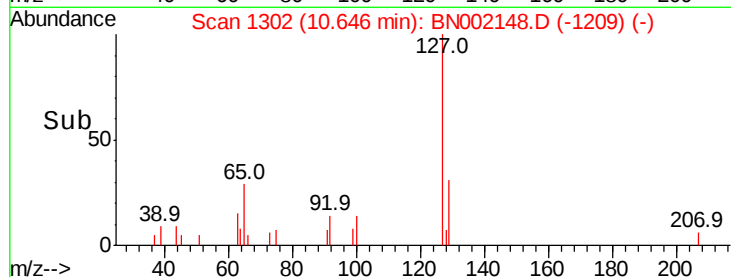
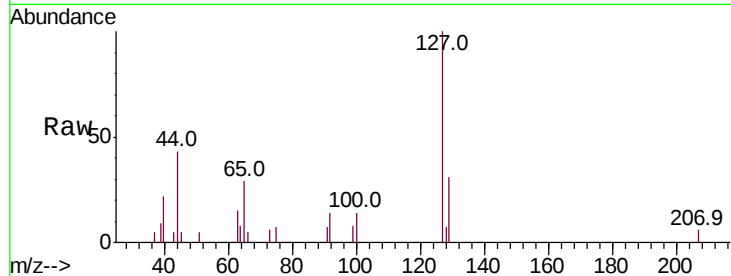
#33
4-Chloroaniline
Concen: 0.587 ng
RT: 10.65 min Scan# 1302
Delta R.T. 0.02 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.0	36.0
65	28.7	27.0	40.4
92	13.8	16.6	25.0#

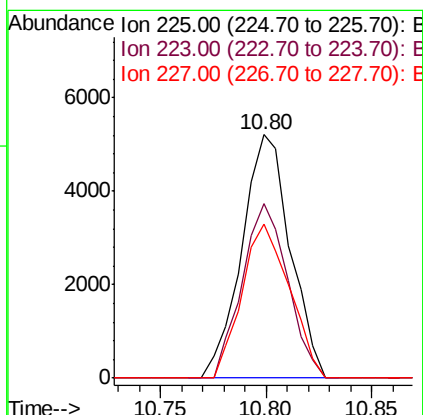
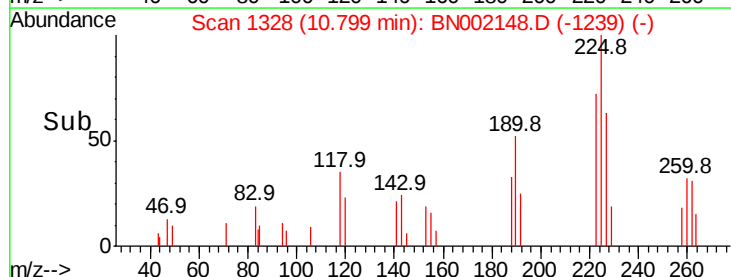
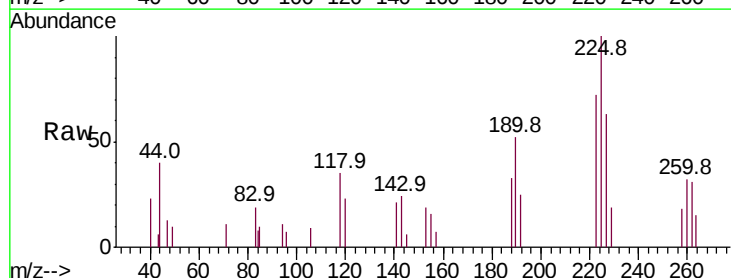
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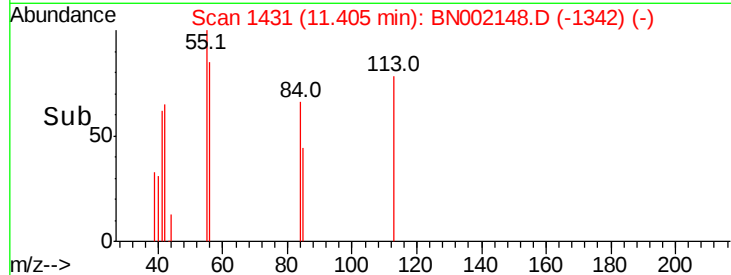
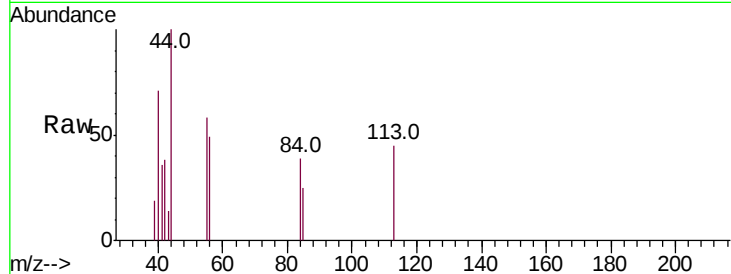
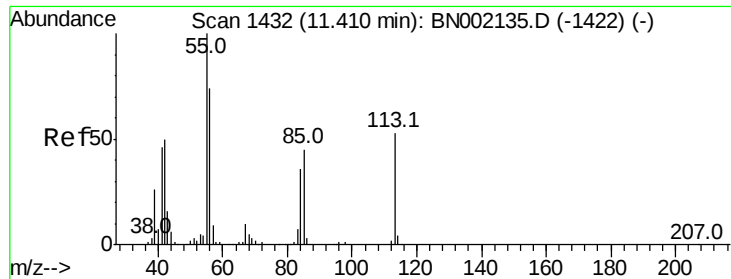
Sohil
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#34
Hexachlorobutadiene
Concen: 0.903 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.8	49.7	74.5
227	63.5	48.1	72.1





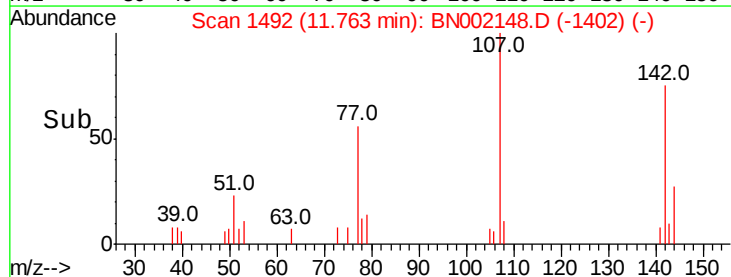
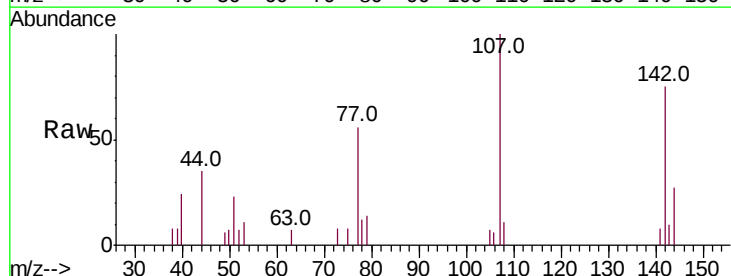
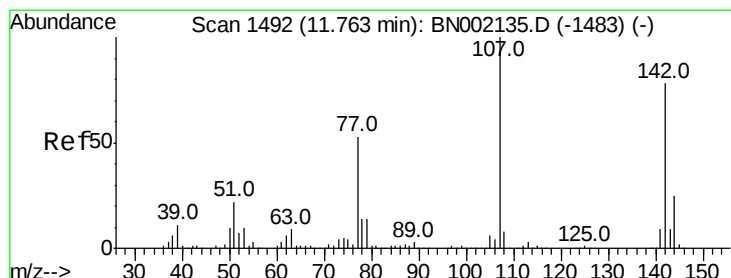
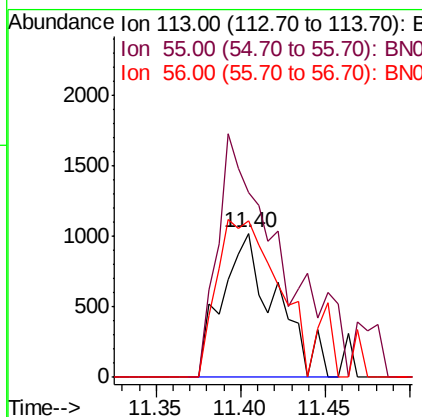
#35
Caprolactam
Concen: 0.499 ng
RT: 11.40 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tot Ion:113 Resp: 2261
Ion Ratio Lower Upper
113 100
55 128.0 120.0 160.0
56 108.8 90.0 130.0

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

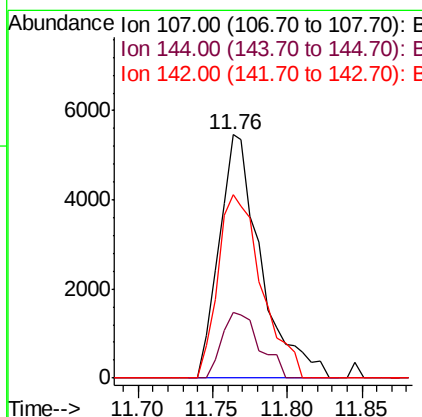
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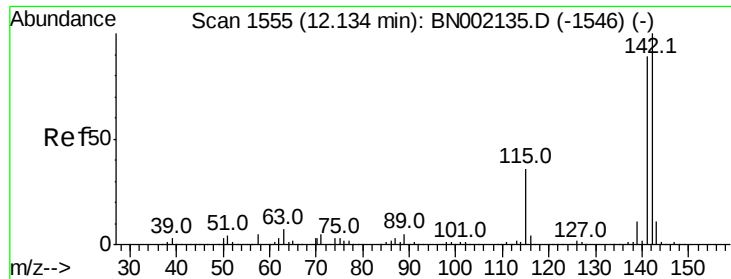
Sohil
7/27/2018 11:35:40 AM



#36
4-Chloro-3-methylphenol
Concen: 0.707 ng
RT: 11.76 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion:107 Resp: 10676
Ion Ratio Lower Upper
107 100
144 27.0 18.2 27.4
142 75.1 59.0 88.4





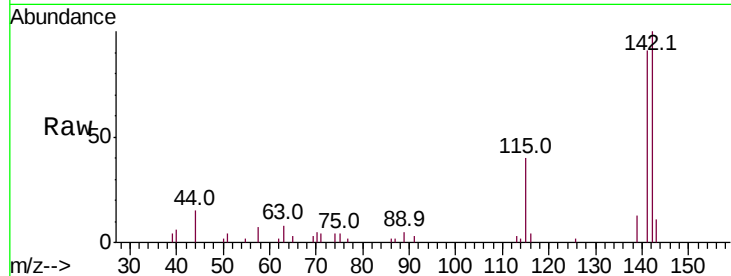
#37
2-Methylnaphthalene
Concen: 1.031 ng
RT: 12.13 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	67.1	100.7
115	39.8	30.7	46.1

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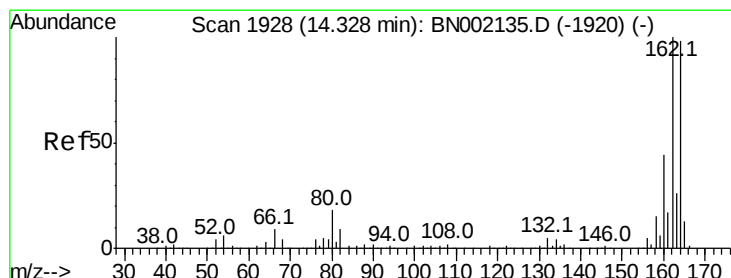
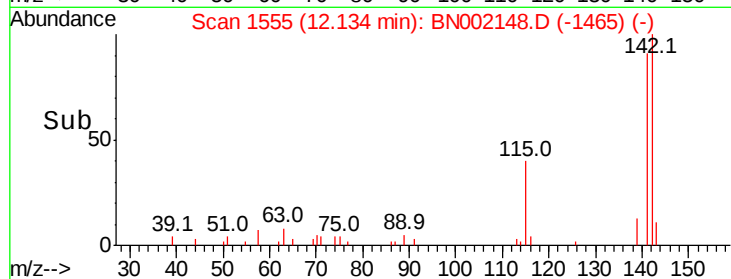
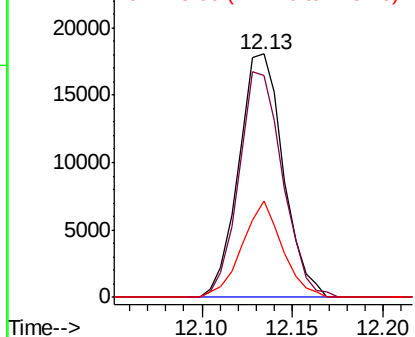


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

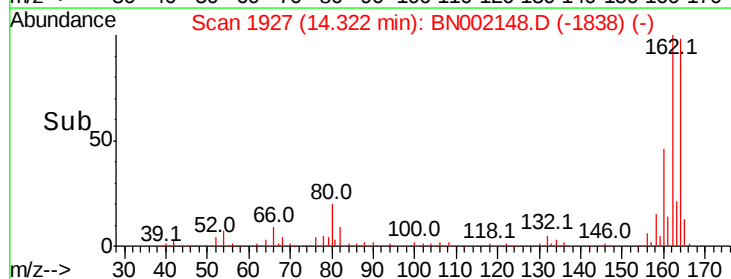
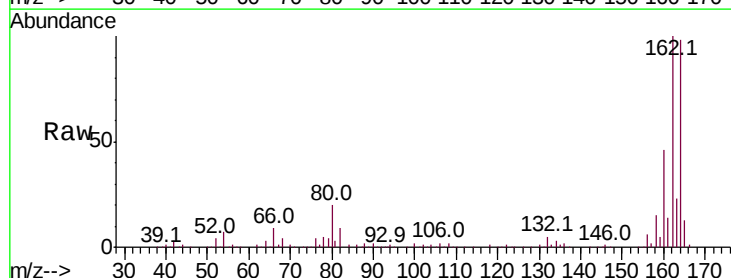
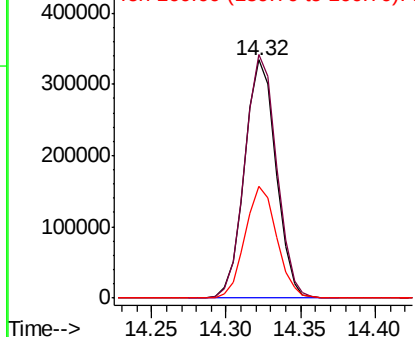
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	78.8	118.2
160	46.7	35.4	53.0

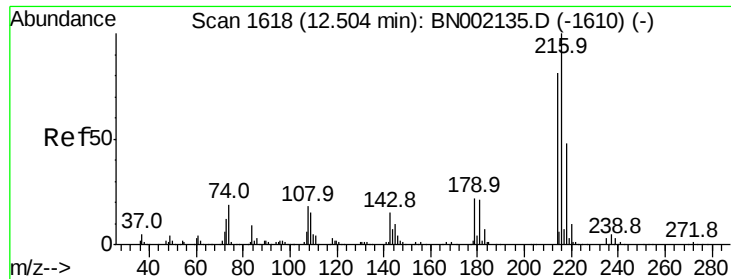
Abundance

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





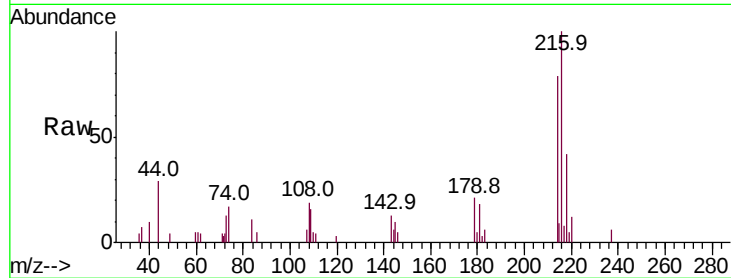
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.962 ng
 RT: 12.50 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
216	100	15712		
214	74.3	63.0	94.4	
179	19.4	17.0	25.6	
108	16.6	12.8	19.2	

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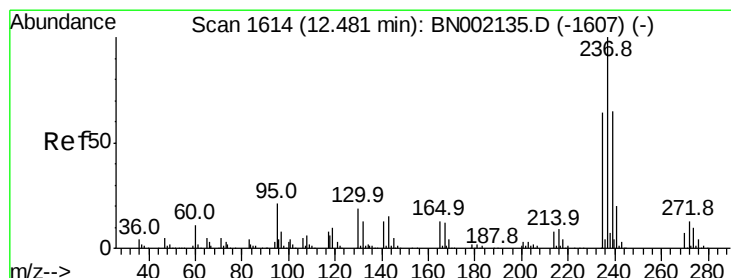
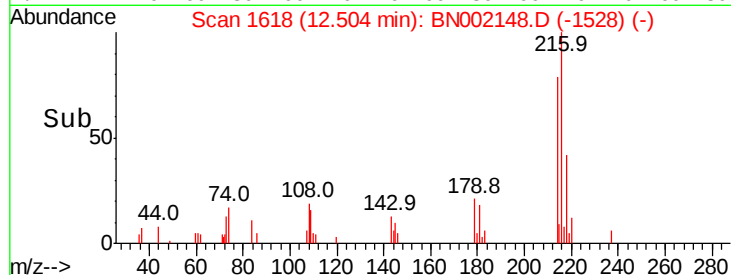
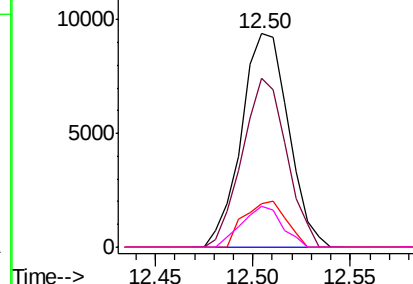
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

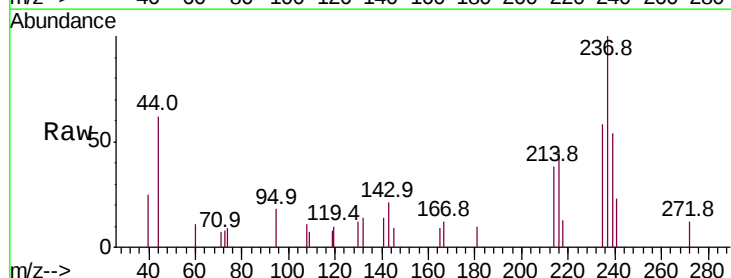
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 0.732 ng
 RT: 12.49 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	6754		
235	58.4	50.4	90.4	
272	11.6	0.0	31.8	

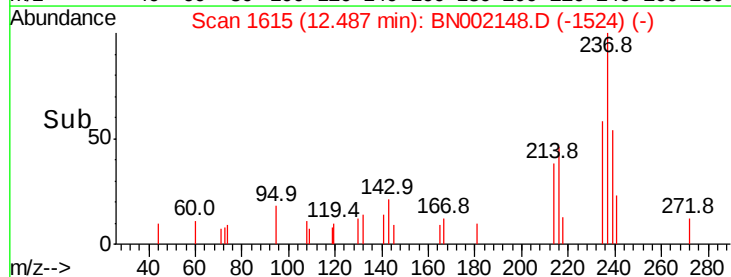
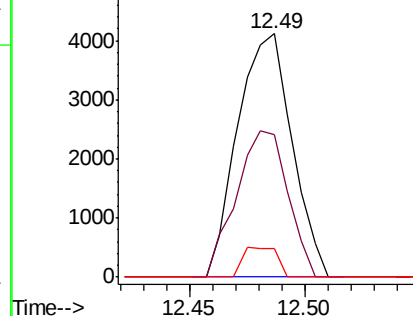


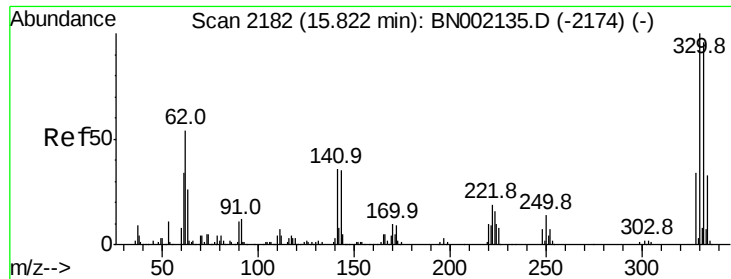
Abundance

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





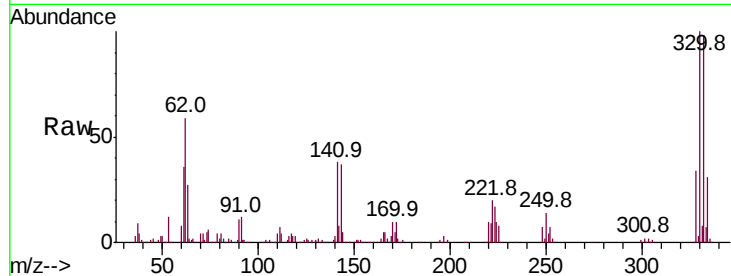
#41
2,4,6-Tribromophenol
Concen: 124.958 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

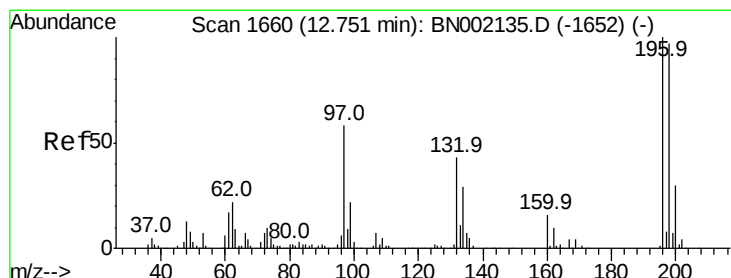
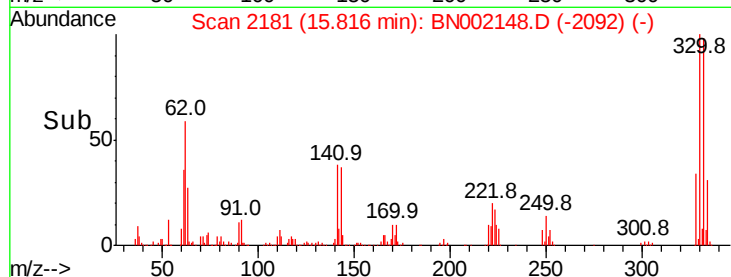
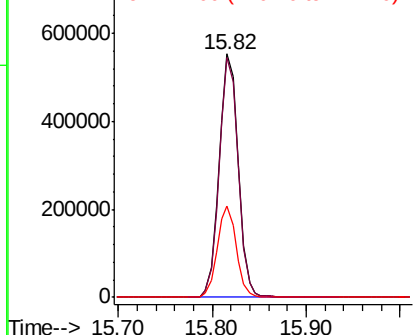
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	37.3	25.2	37.8

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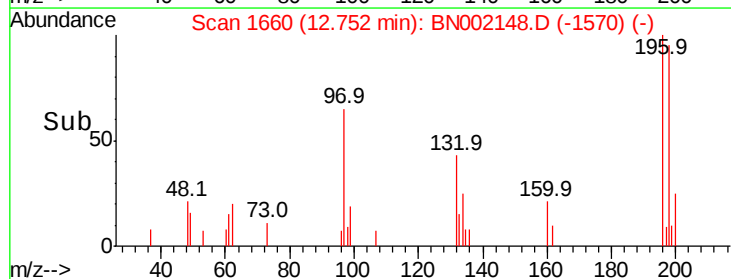
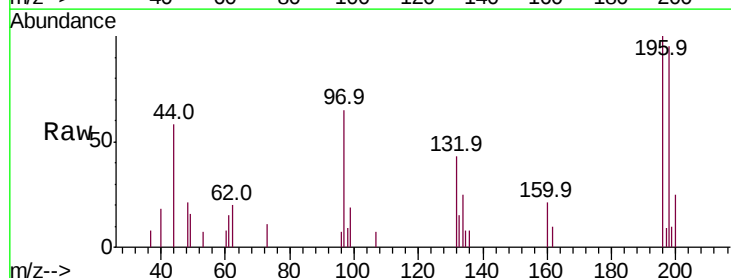
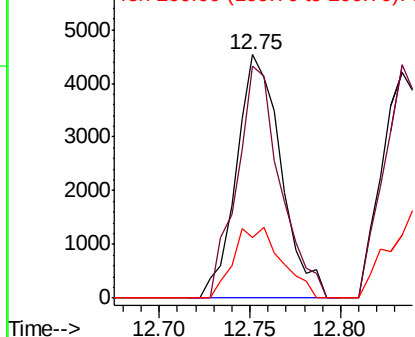
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

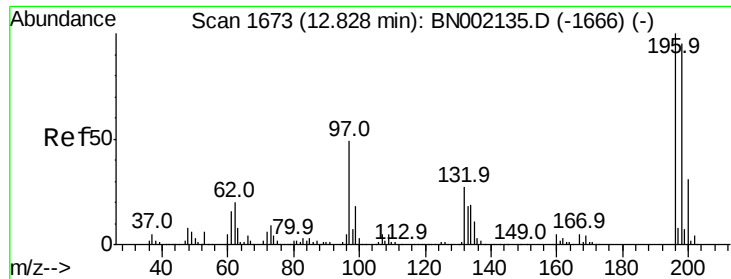


#42
2,4,6-Trichlorophenol
Concen: 0.708 ng
RT: 12.75 min Scan# 1660
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.5	78.2	117.2
200	24.8	24.6	36.8

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





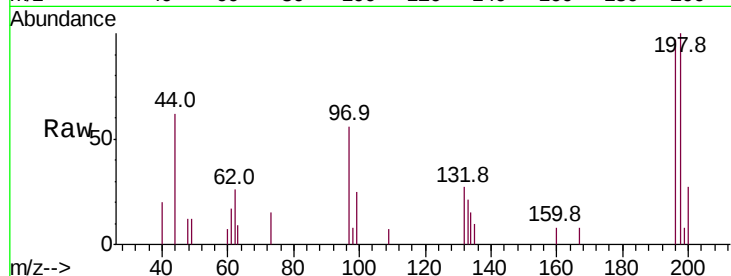
#43
 2,4,5-Trichlorophenol
 Concen: 0.702 ng
 RT: 12.83 min Scan# 1674
 Delta R.T. 0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion:	196	Resp:	8156
Ion Ratio	Lower	Upper	
196	100		
198	103.6	76.2	114.4
97	57.6	38.7	58.1
132	28.2	20.2	30.2

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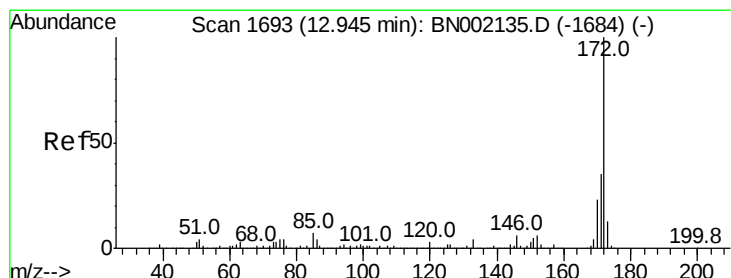
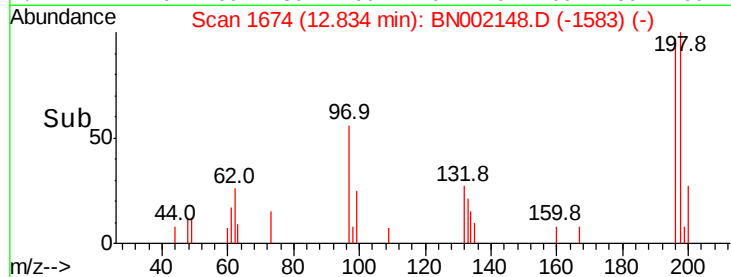
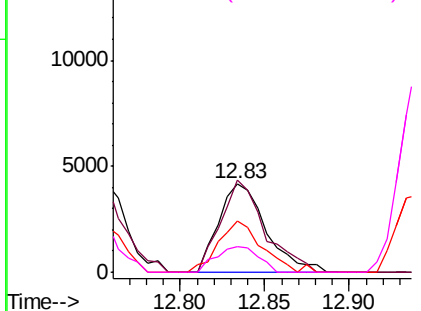
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BNC

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 86.727 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

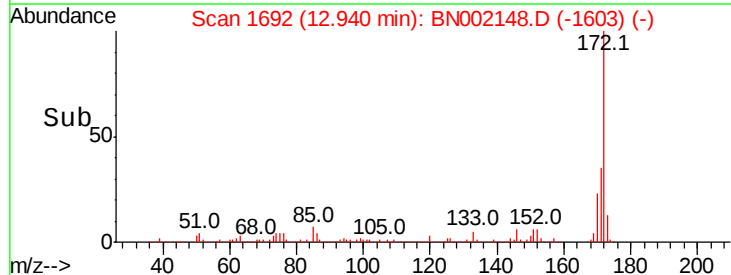
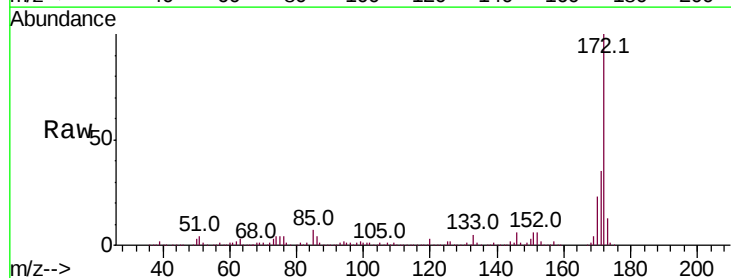
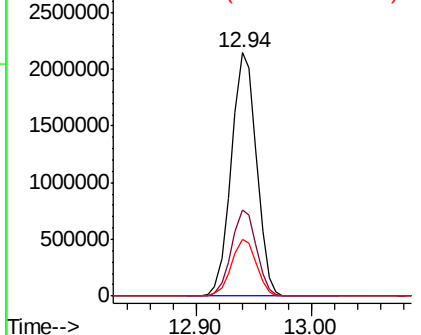
Tgt Ion:	172	Resp:	3235414
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.0	45.0
170	23.4	19.5	29.3

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





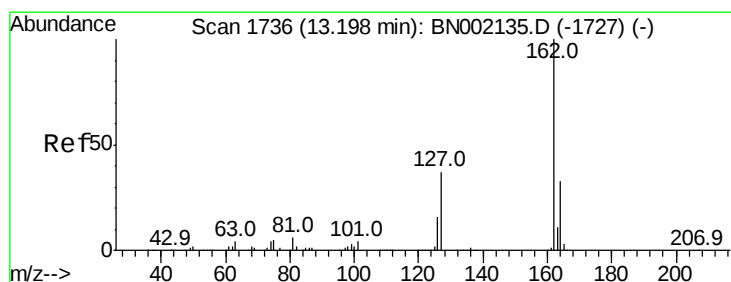
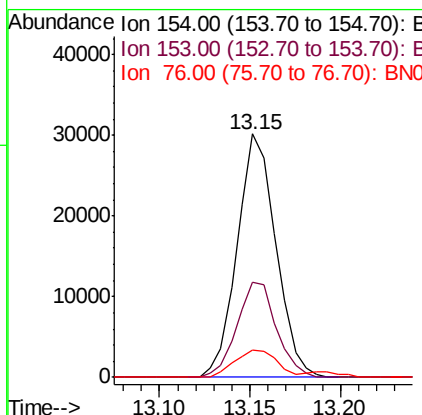
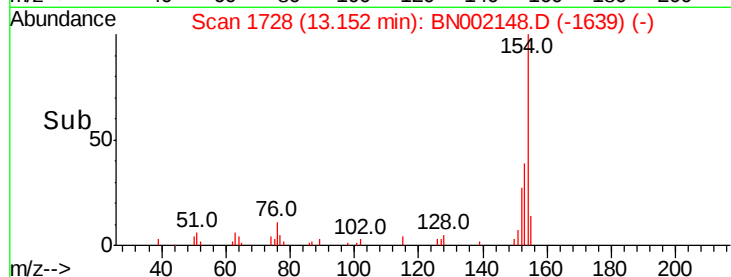
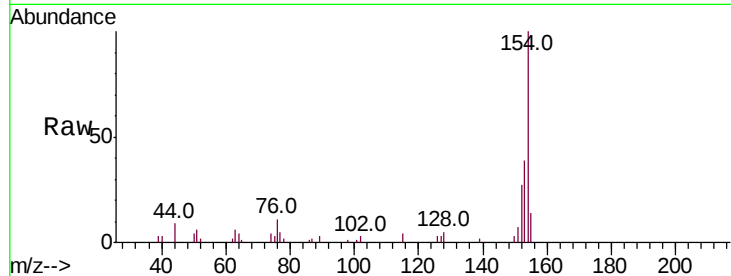
#45
 1,1'-Biphenyl
 Concen: 1.044 ng
 RT: 13.15 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.8	59.8
76	11.1	0.0	31.9

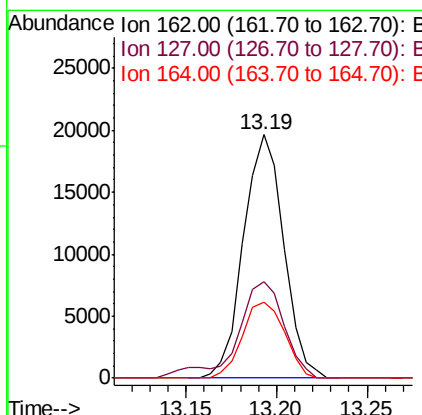
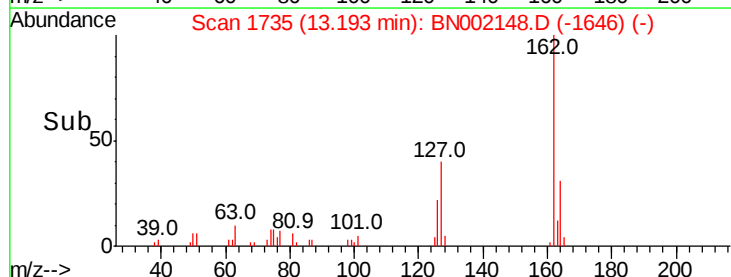
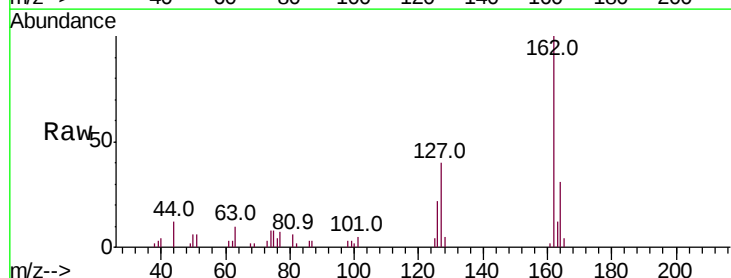
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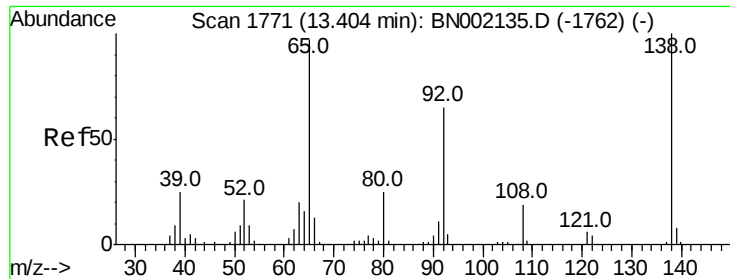
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#46
 2-Chloronaphthalene
 Concen: 0.918 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	30.7	46.1
164	31.3	26.0	39.0





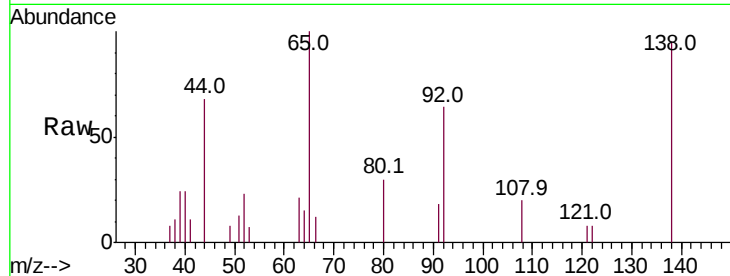
#47
2-Nitroaniline
Concen: 0.645 ng
RT: 13.41 min Scan# 1772
Delta R.T. 0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

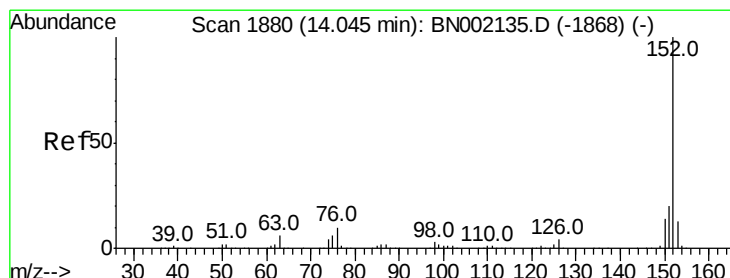
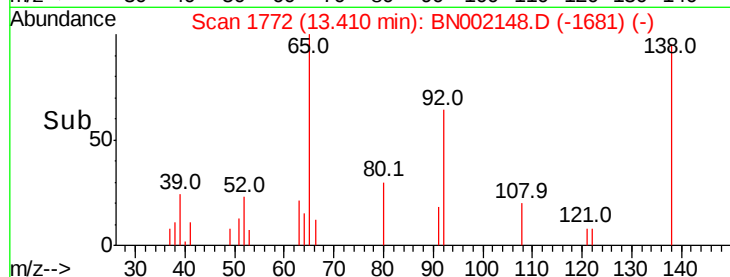
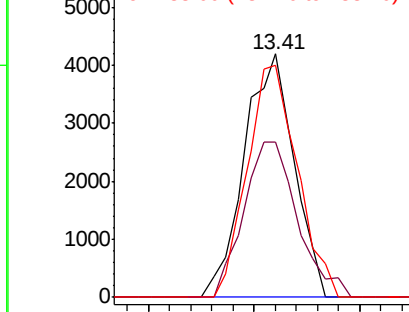
Tot Ion: 65 Resp: 6854
Ion Ratio Lower Upper
65 100
92 64.0 54.6 82.0
138 95.5 72.9 109.3

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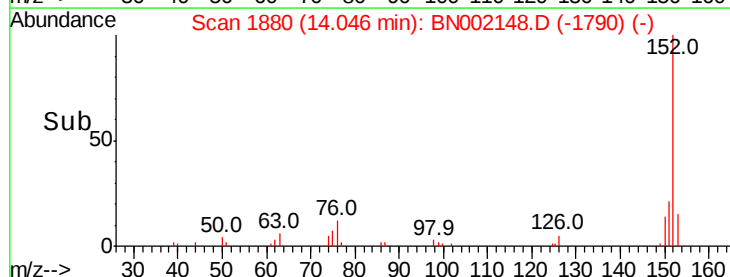
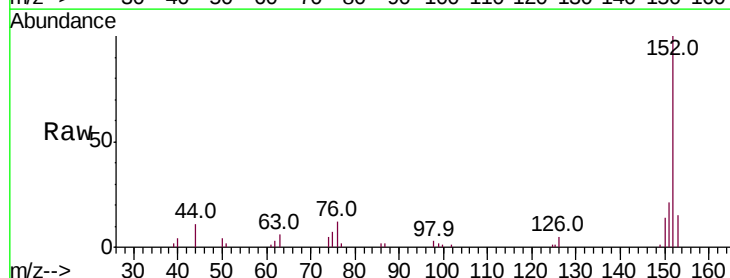
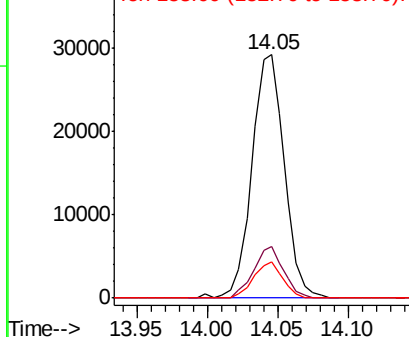
Abundance Ion 65.00 (64.70 to 65.70): BNO
Ion 92.00 (91.70 to 92.70): BNO
Ion 138.00 (137.70 to 138.70): E

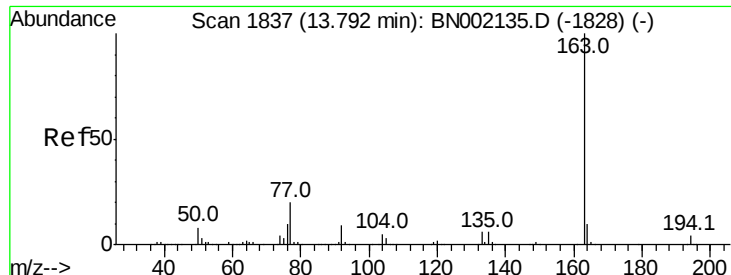


#48
Acenaphthylene
Concen: 0.938 ng
RT: 14.05 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion:152 Resp: 46981
Ion Ratio Lower Upper
152 100
151 21.0 17.2 25.8
153 15.0 10.2 15.4

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





#49

Dimethylphthalate

Concen: 0.881 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

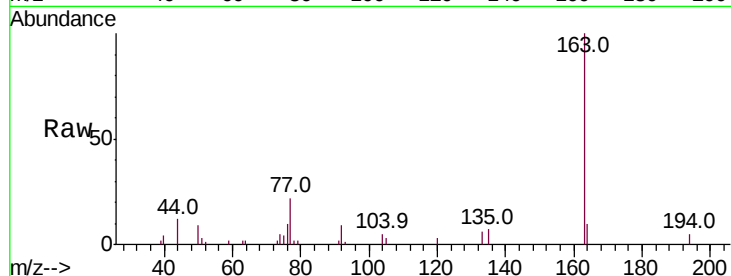
ClientSampleId :

MDL-SOIL-03-QT3-2018

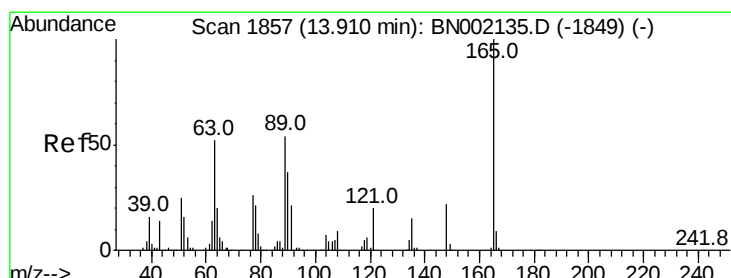
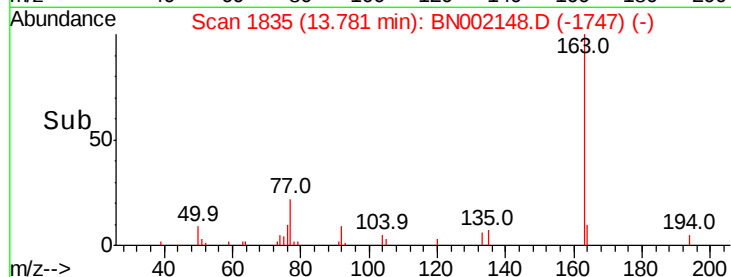
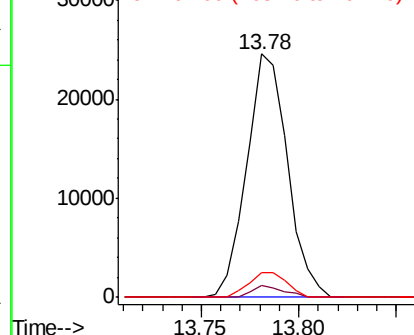
Tot Ion:	163	Resp:	35560
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.2
164	10.0	8.2	12.4

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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



#50

2,6-Dinitrotoluene

Concen: 0.664 ng

RT: 13.90 min Scan# 1856

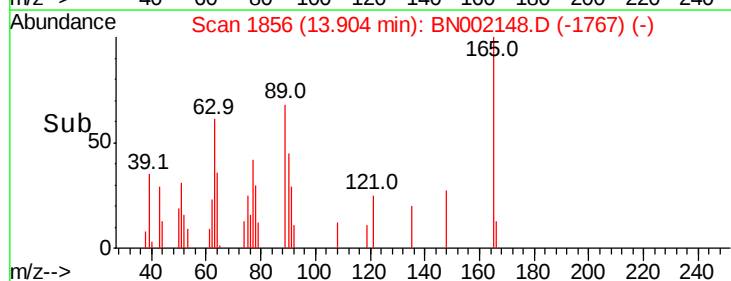
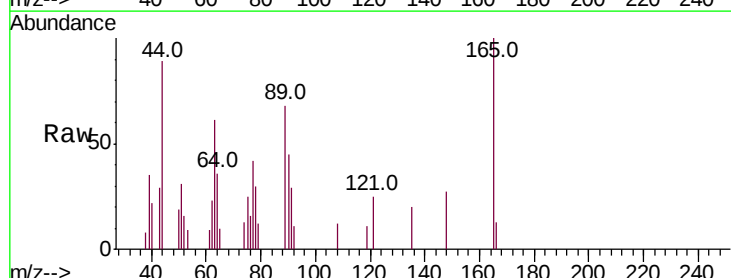
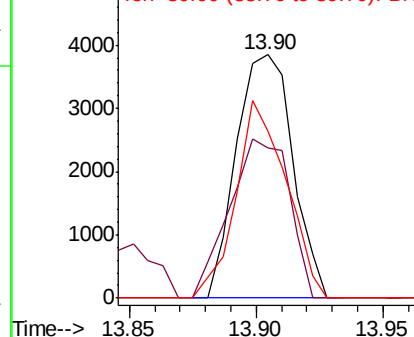
Delta R.T. -0.01 min

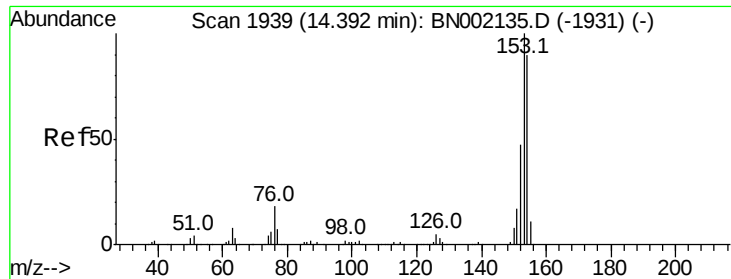
Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion:	165	Resp:	5953
Ion Ratio	Lower	Upper	
165	100		
63	61.5	52.7	79.1
89	68.4	49.2	73.8

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





#51

Acenaphthene

Concen: 0.941 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

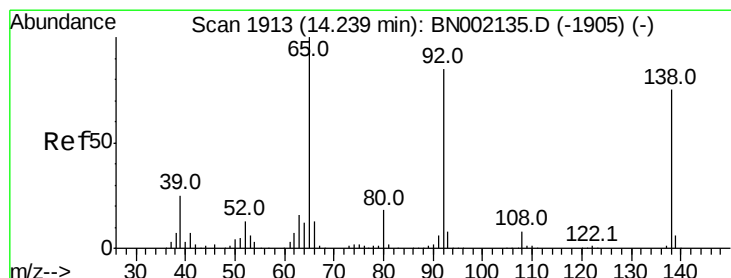
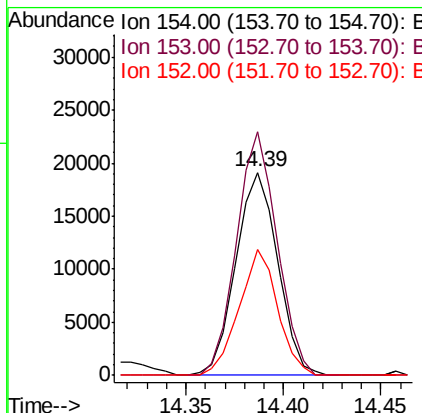
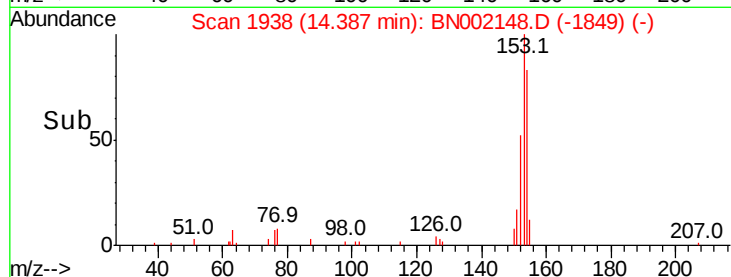
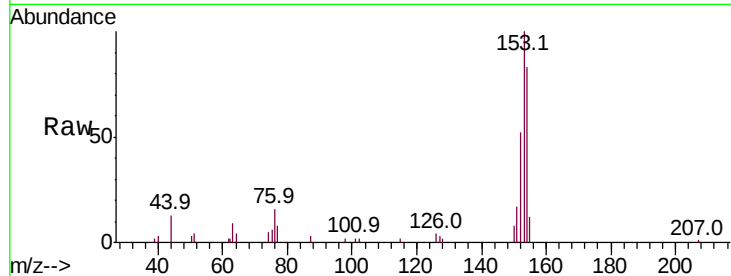
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	28382
Ion Ratio	Lower	Upper	
154	100		
153	119.8	90.4	135.6
152	61.7	41.6	62.4

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#52

3-Nitroaniline

Concen: 0.568 ng

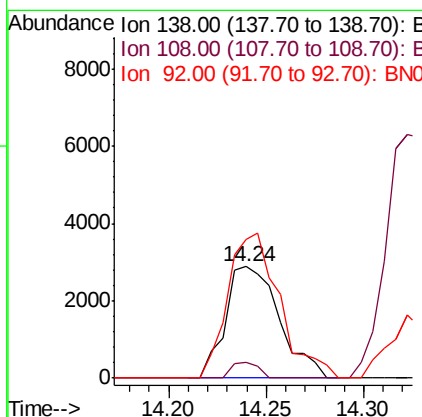
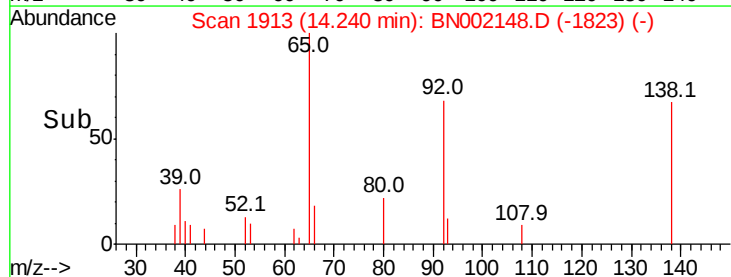
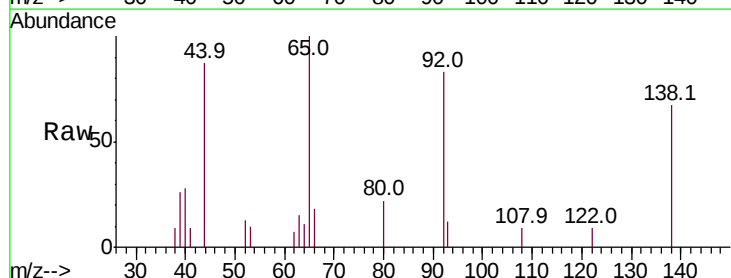
RT: 14.24 min Scan# 1913

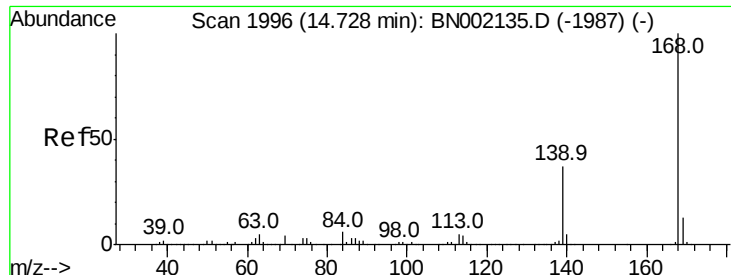
Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion:	138	Resp:	5516
Ion Ratio	Lower	Upper	
138	100		
108	13.6	17.5	26.3#
92	124.6	105.8	158.8





#54

Dibenzenofuran

Concen: 0.968 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:168 Resp: 47346

Ion Ratio Lower Upper

168 100

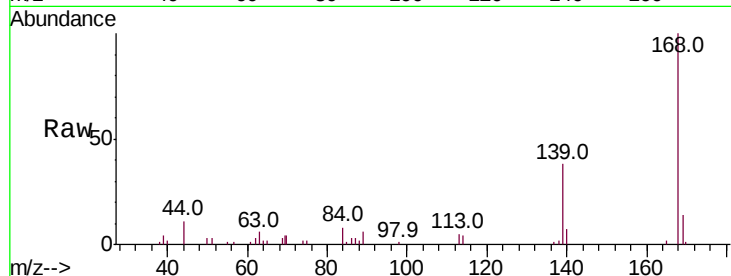
139 37.6 28.6 43.0

169 13.6 11.2 16.8

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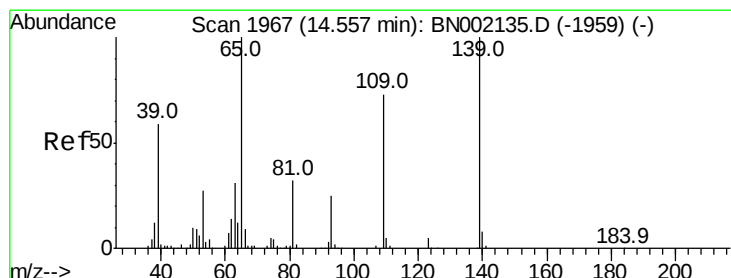
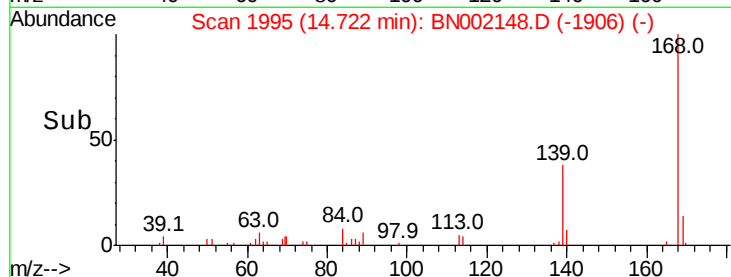
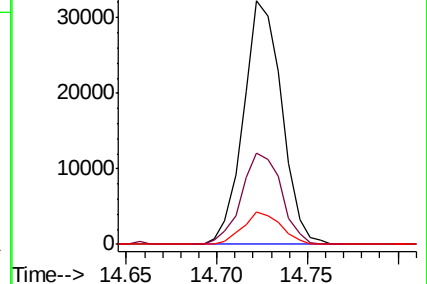
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.414 ng

RT: 14.58 min Scan# 1971

Delta R.T. 0.02 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

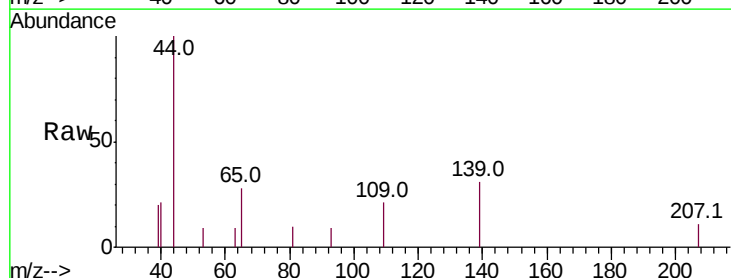
Tgt Ion:139 Resp: 3085

Ion Ratio Lower Upper

139 100

109 69.7 62.2 102.2

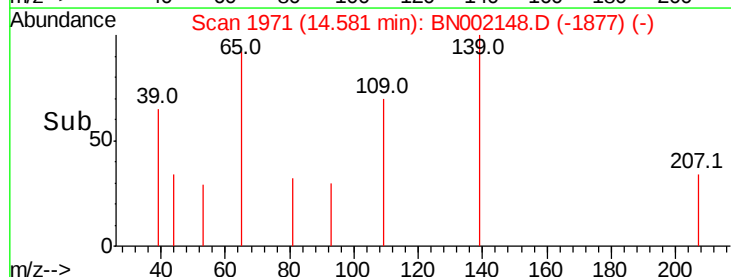
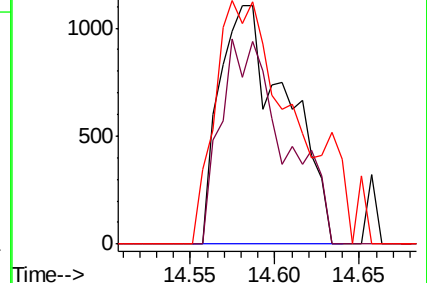
65 92.2 97.2 137.2#

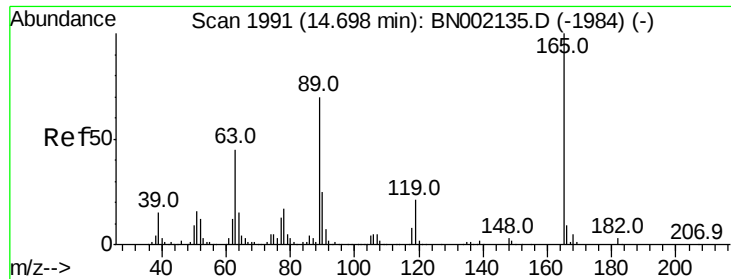


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNO





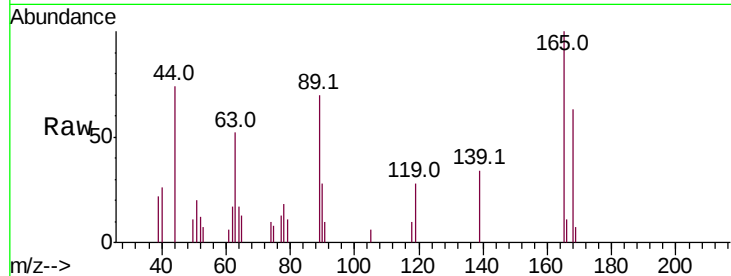
#56
2,4-Dinitrotoluene
Concen: 0.586 ng
RT: 14.70 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.0	42.0	63.0
89	69.8	66.9	100.3
182	0.0	2.6	3.8#

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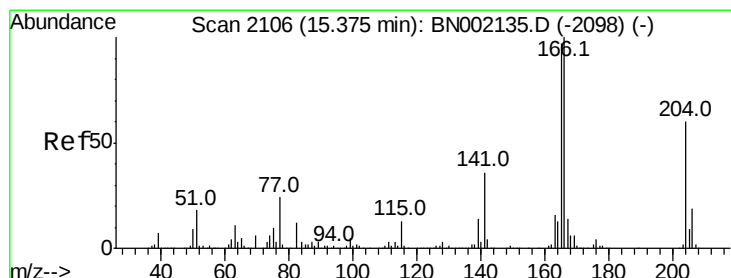
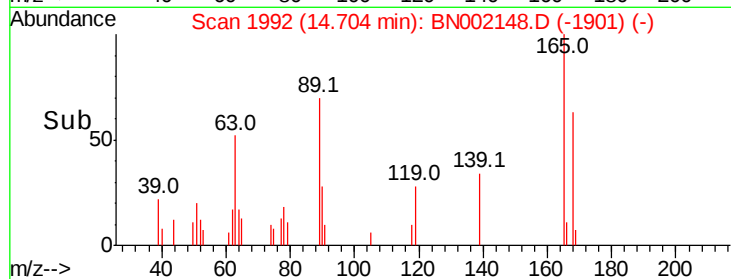
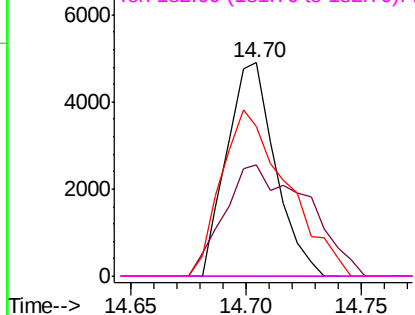
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 0.974 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

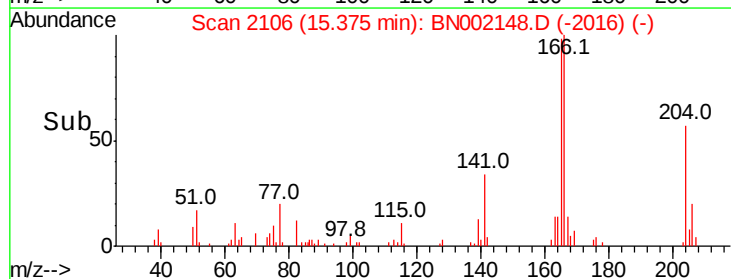
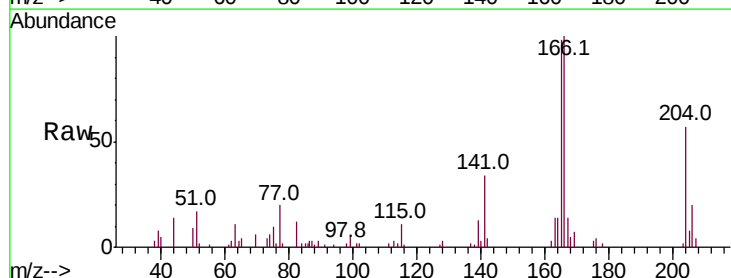
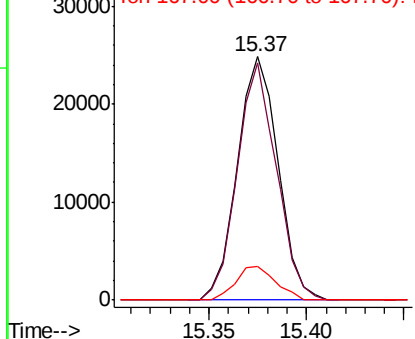
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	80.6	121.0
167	14.1	10.4	15.6

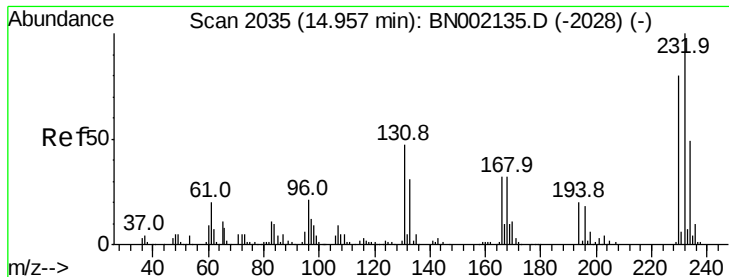
Abundance

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





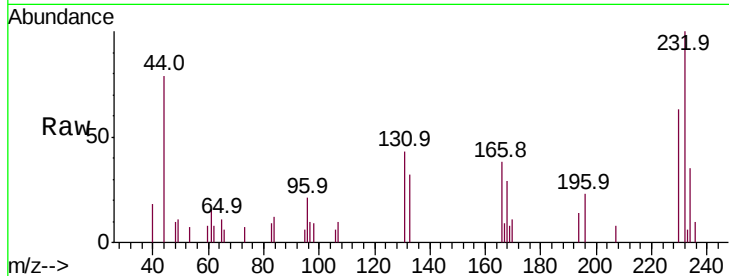
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.727 ng
 RT: 14.96 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.1	33.5	50.3
130	0.0	2.2	3.2
166	31.7	24.8	37.2

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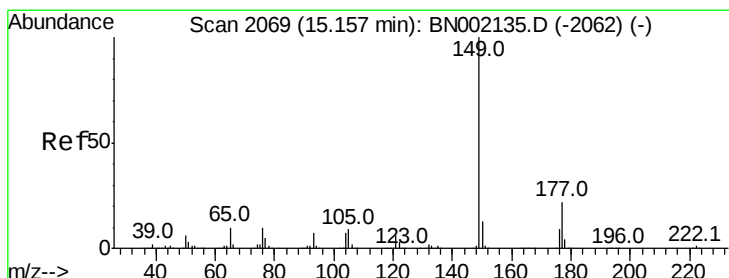
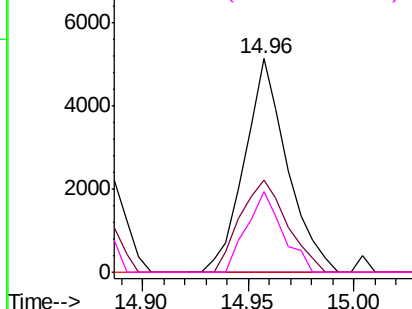
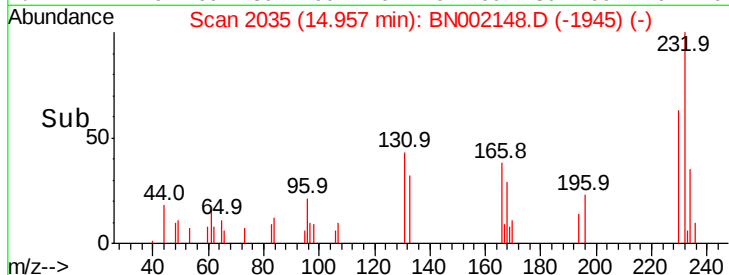
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

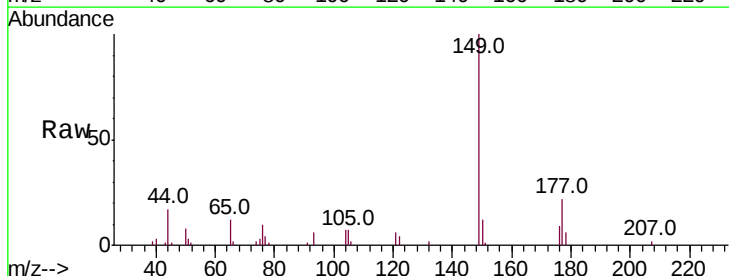
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 0.820 ng
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.5	27.7
150	11.8	10.2	15.2

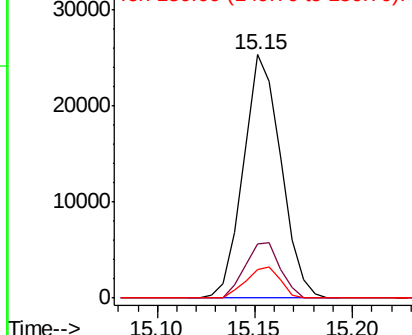
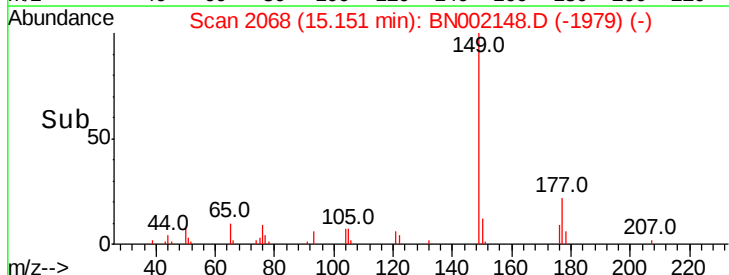


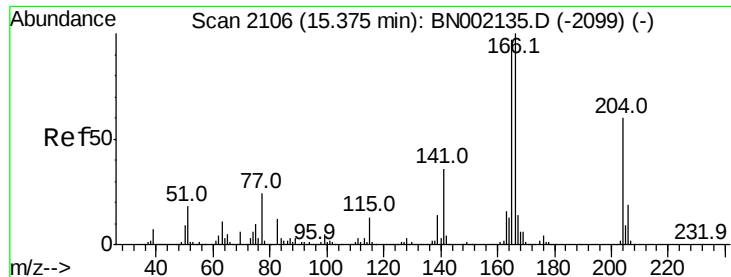
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





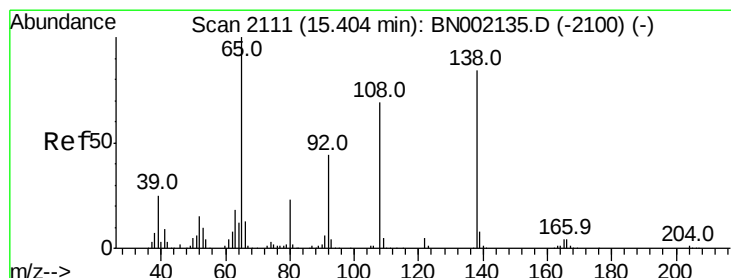
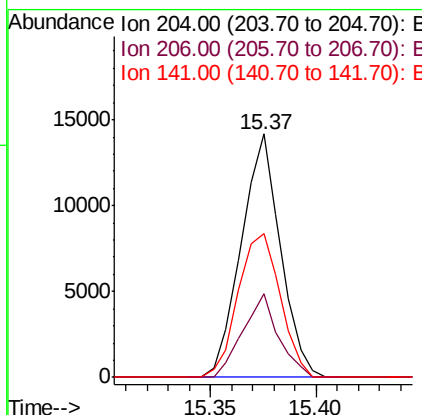
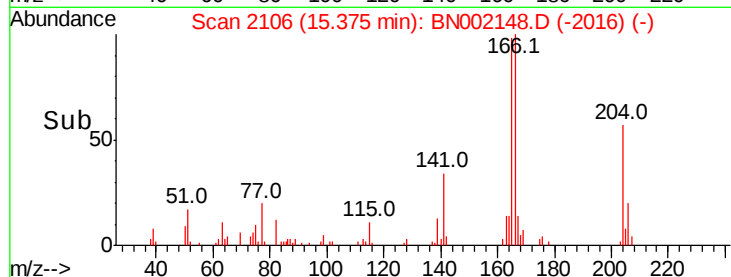
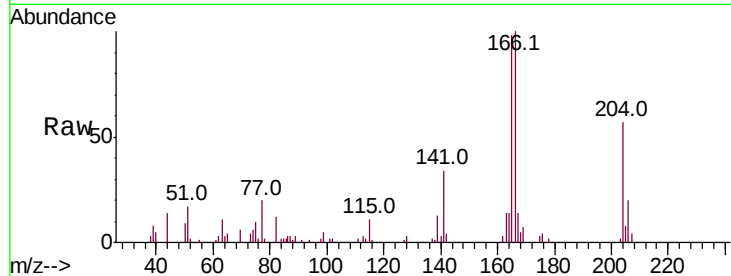
#60
4-Chlorophenyl-phenylether
Concen: 0.895 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.2	39.2
141	58.9	45.8	68.6

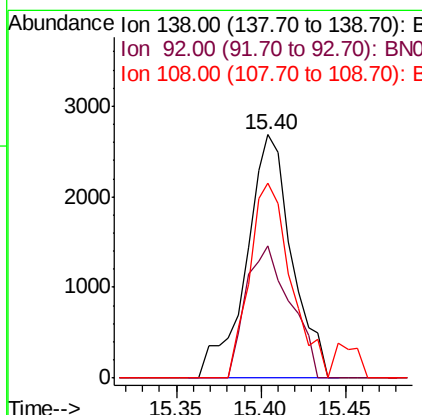
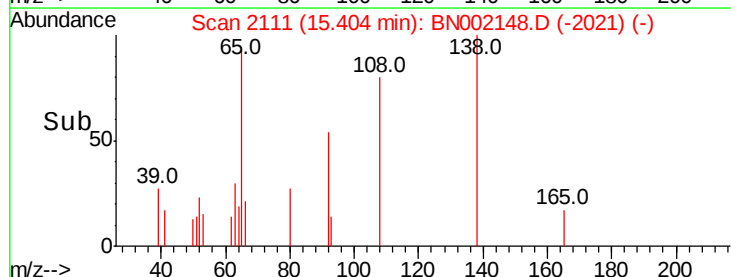
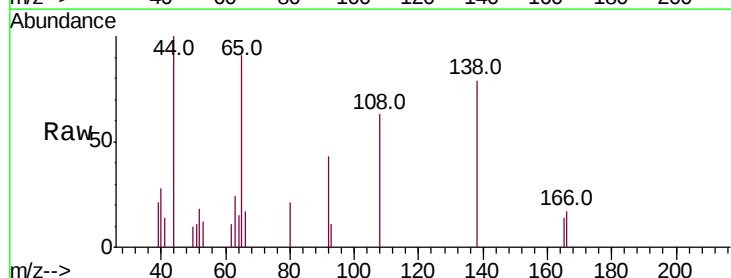
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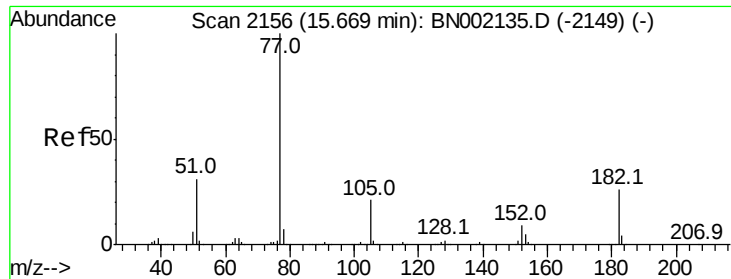
Sohil
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#61
4-Nitroaniline
Concen: 0.508 ng
RT: 15.40 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.1	40.1	80.1
108	80.0	65.4	105.4





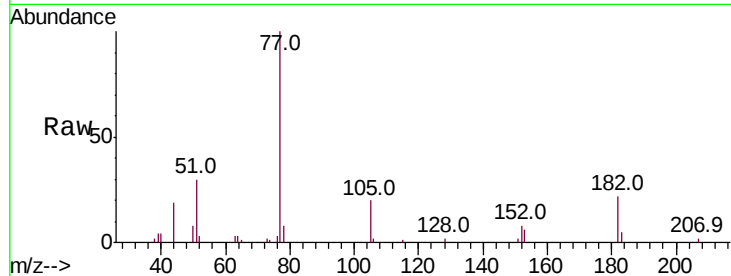
#62
Azobenzene
Concen: 0.787 ng
RT: 15.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
77	100		
182	21.8	7.4	47.4
105	20.2	0.3	40.3
51	30.4	11.6	51.6

Manual Integrations
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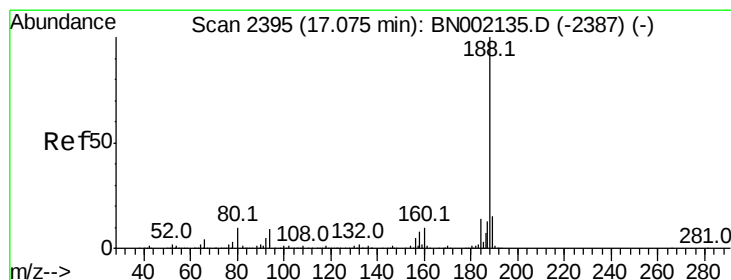
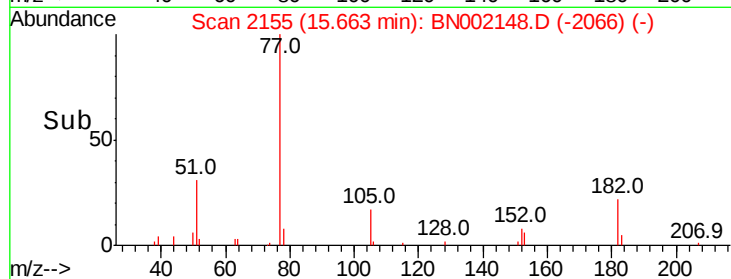
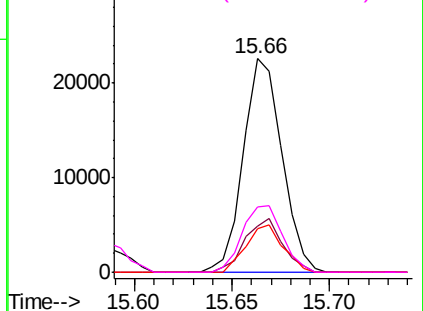


Abundance Ion 77.00 (76.70 to 77.70): BN002135.D (-2149) (-)

Ion 182.00 (181.70 to 182.70): BN002135.D (-2149) (-)

Ion 105.00 (104.70 to 105.70): BN002135.D (-2149) (-)

Ion 51.00 (50.70 to 51.70): BN002135.D (-2149) (-)



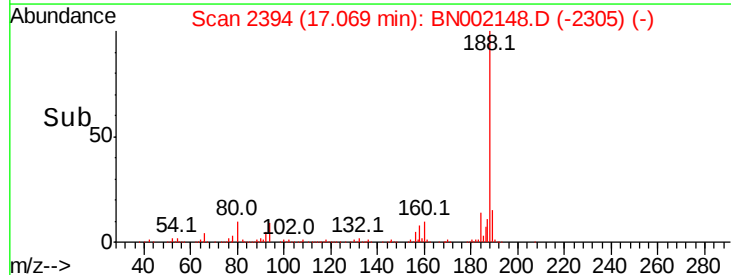
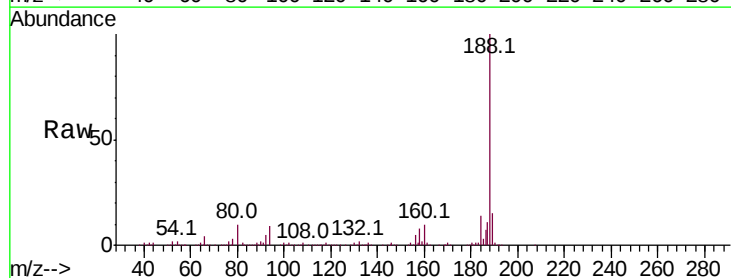
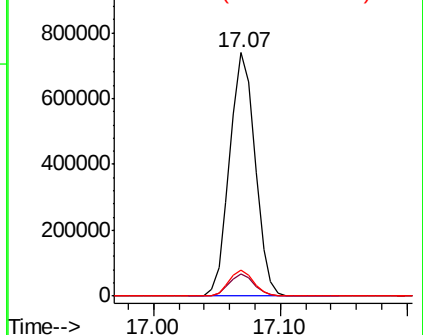
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

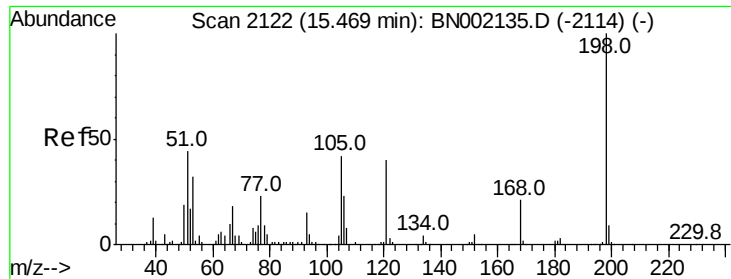
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	10.4	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): BN002135.D (-2387) (-)

Ion 94.00 (93.70 to 94.70): BN002135.D (-2387) (-)

Ion 80.00 (79.70 to 80.70): BN002135.D (-2387) (-)





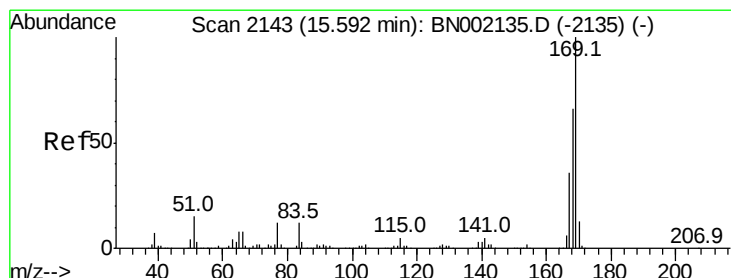
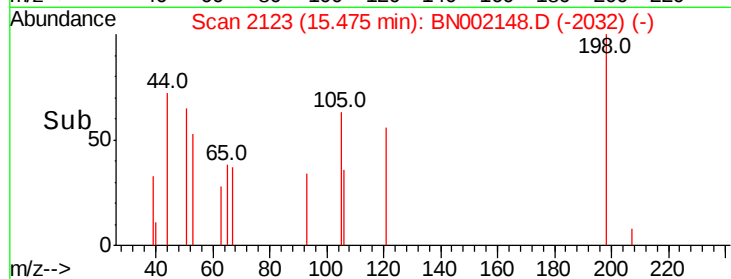
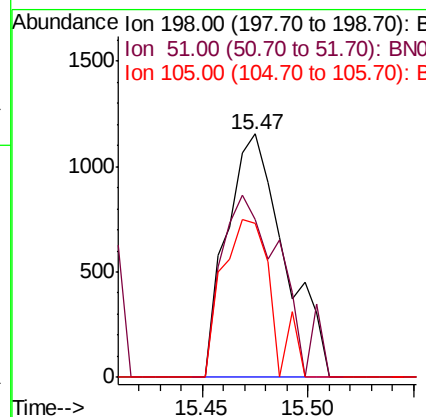
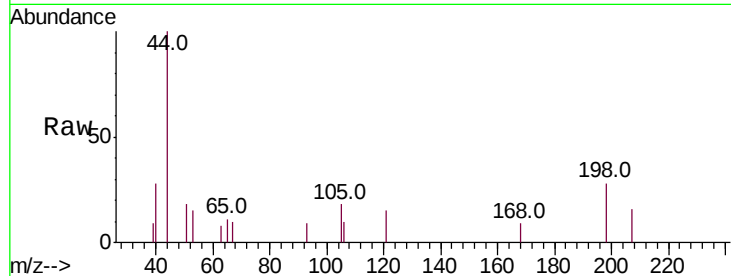
#64
4,6-Dinitro-2-methylphenol
Concen: 0.316 ng
RT: 15.47 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
198	100		
51	65.0	30.6	70.6
105	63.1	23.8	63.8

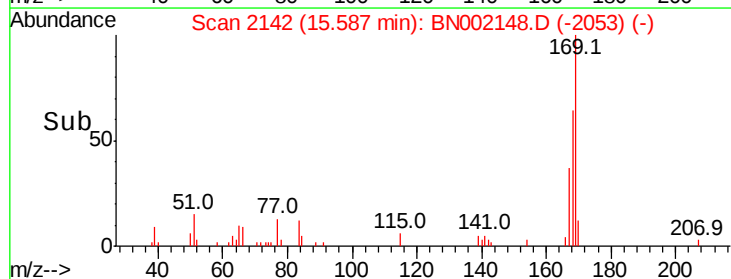
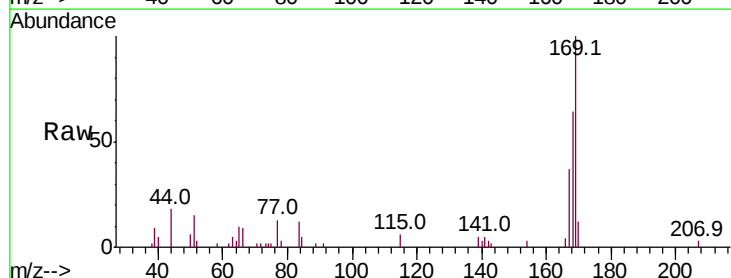
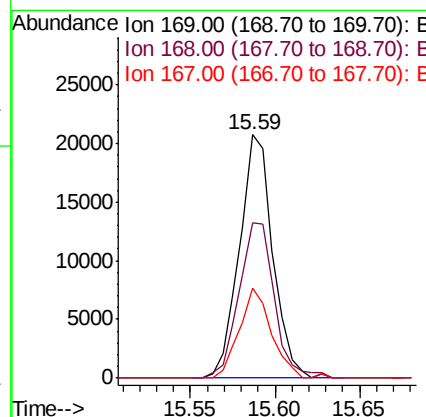
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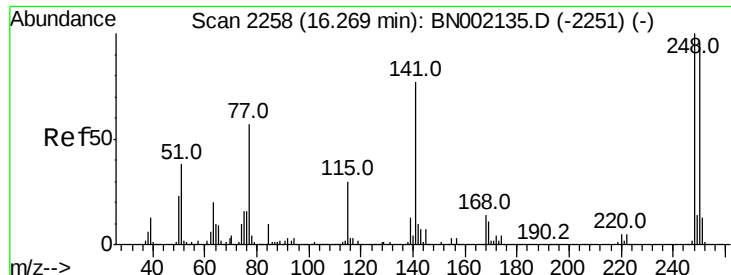
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#65
n-Nitrosodiphenylamine
Concen: 0.834 ng
RT: 15.59 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.0	55.7	83.5
167	37.2	30.1	45.1





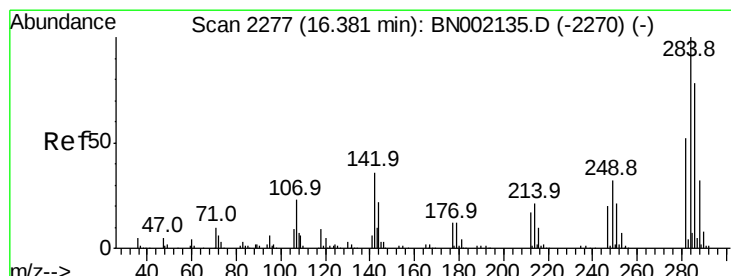
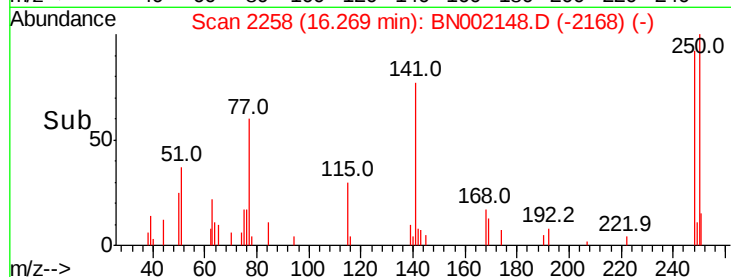
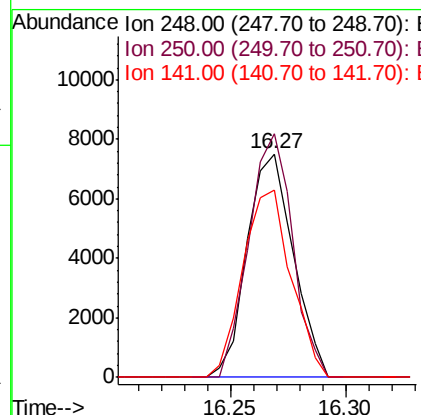
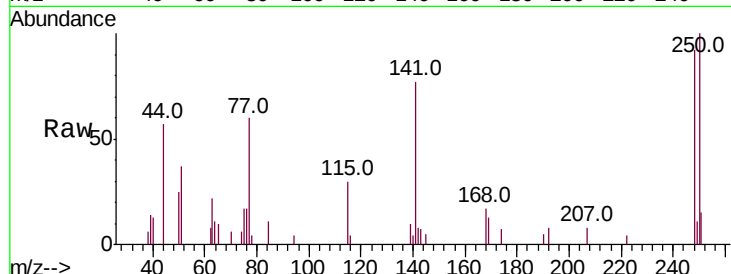
#66
 4-Bromophenyl-phenylether
 Concen: 0.873 ng
 RT: 16.27 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
248	100		
250	109.0	77.1	115.7
141	83.9	50.8	76.2

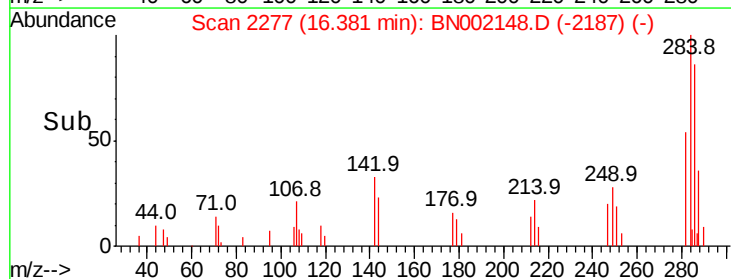
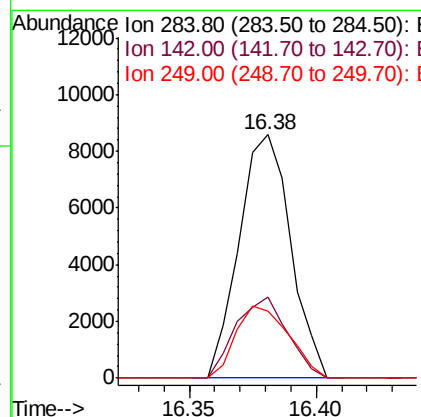
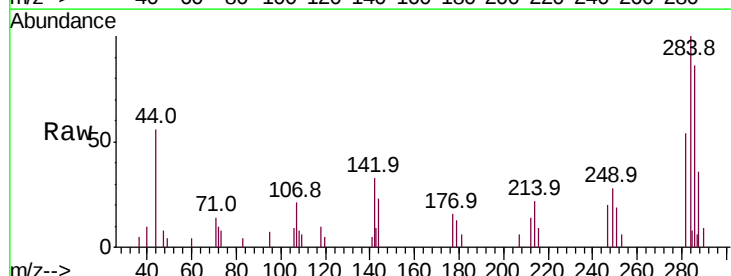
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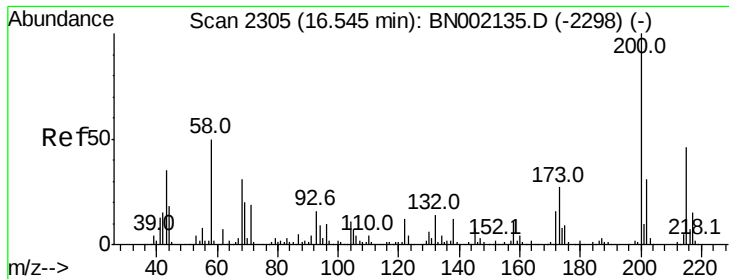
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 7/27/2018 11:35:40 AM



#67
 Hexachlorobenzene
 Concen: 0.910 ng
 RT: 16.38 min Scan# 2277
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.8	40.2
249	27.5	26.3	39.5





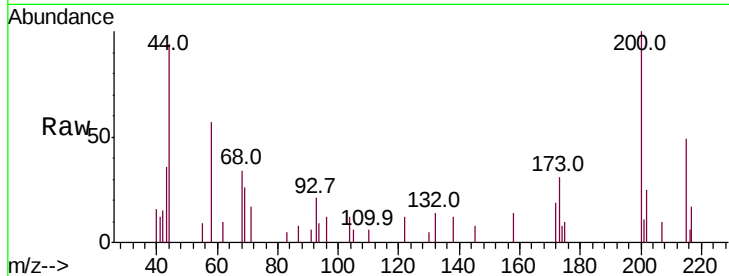
#68
Atrazine
Concen: 0.690 ng
RT: 16.54 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	30.6	5.2	45.2
215	49.4	30.4	70.4

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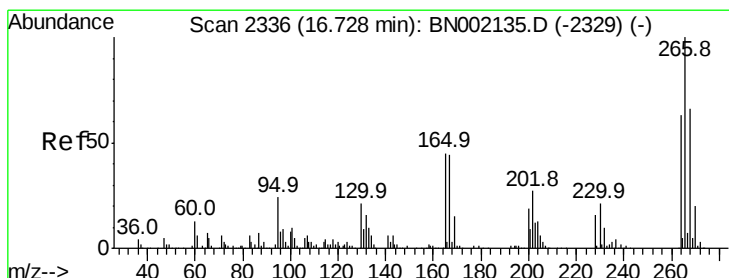
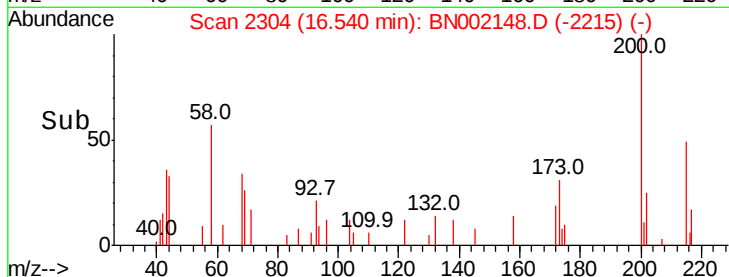
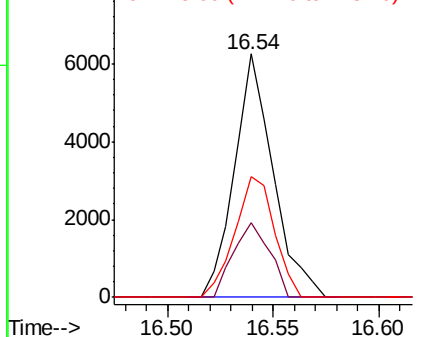


Abundance

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



#69
Pentachlorophenol
Concen: 0.358 ng
RT: 16.73 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

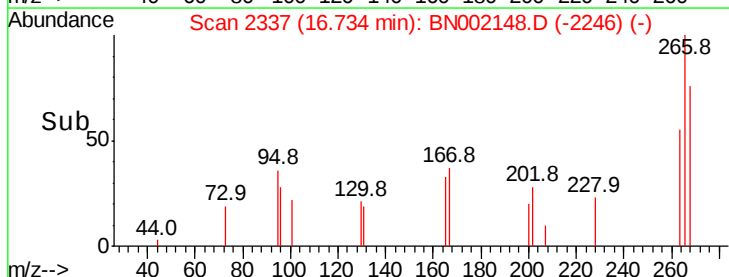
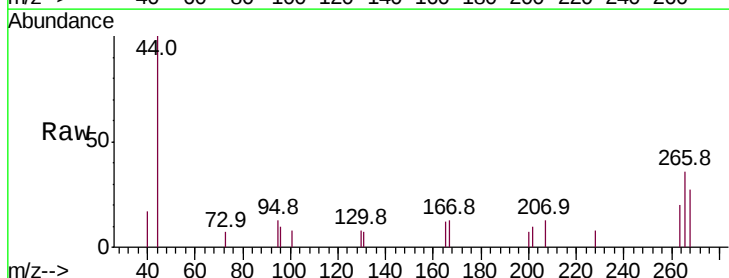
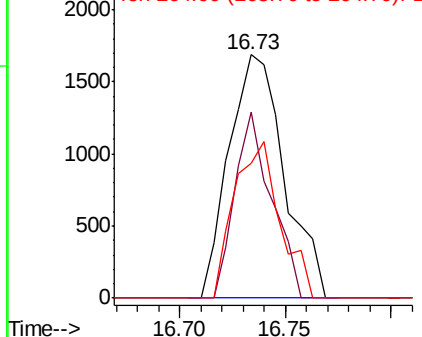
Tgt Ion	Ratio	Lower	Upper
266	100		
268	76.2	51.1	76.7
264	55.2	49.6	74.4

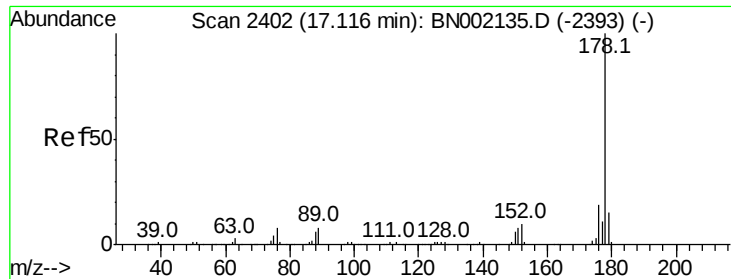
Abundance

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





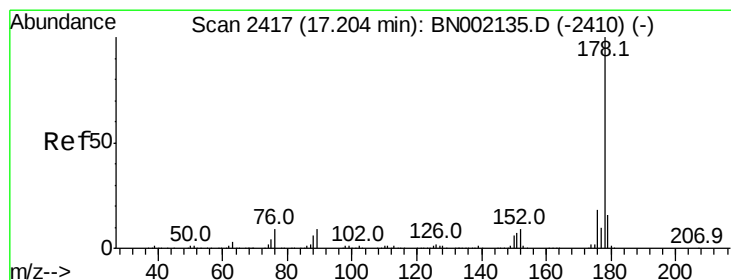
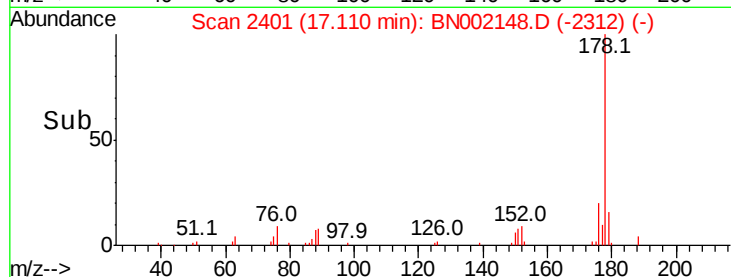
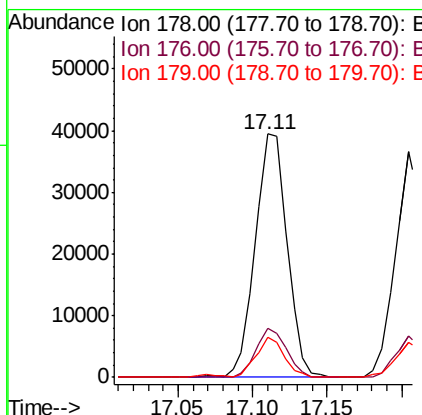
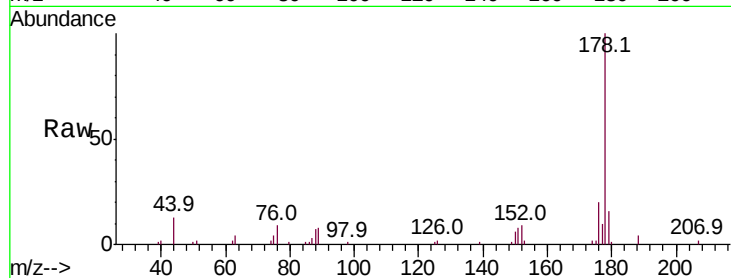
#70
 Phenanthrene
 Concen: 1.034 ng
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.3	12.5	18.7

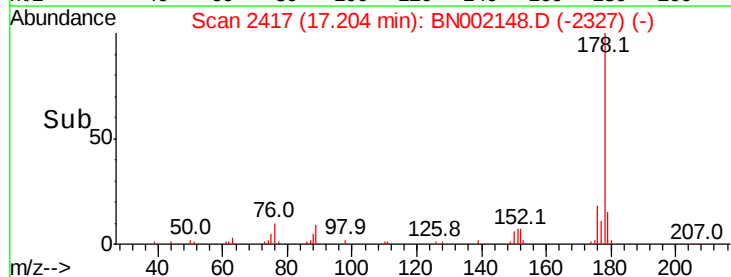
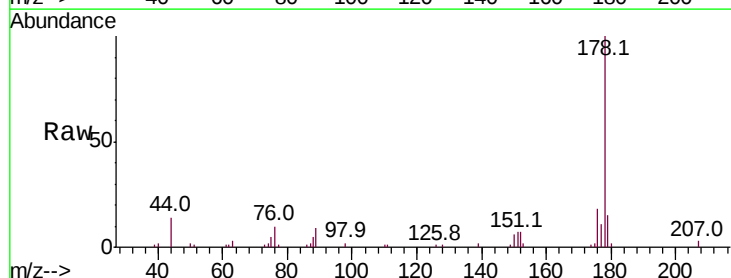
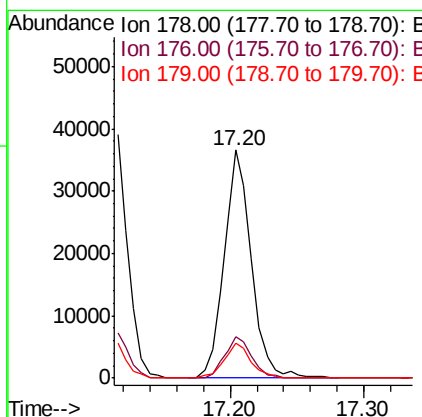
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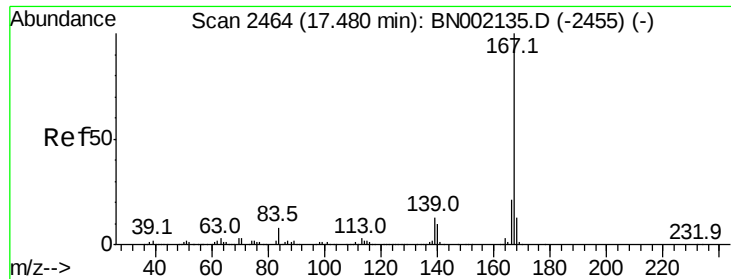
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#71
 Anthracene
 Concen: 0.937 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	15.4	12.5	18.7





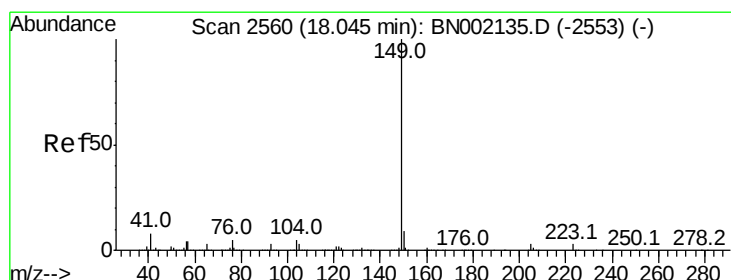
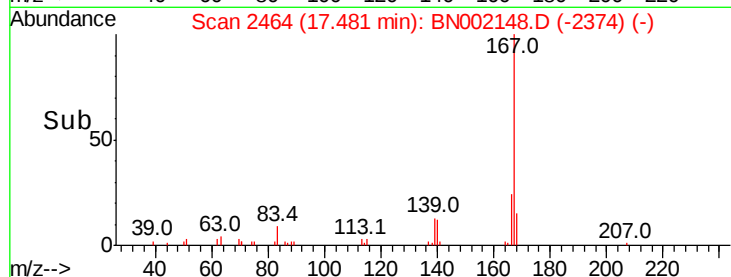
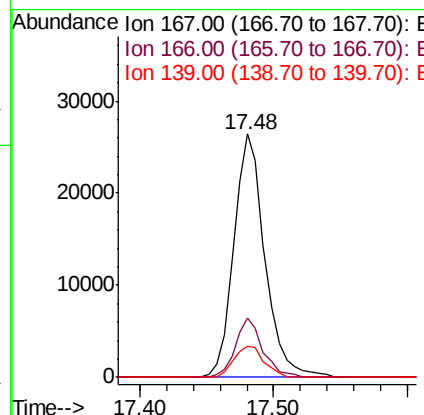
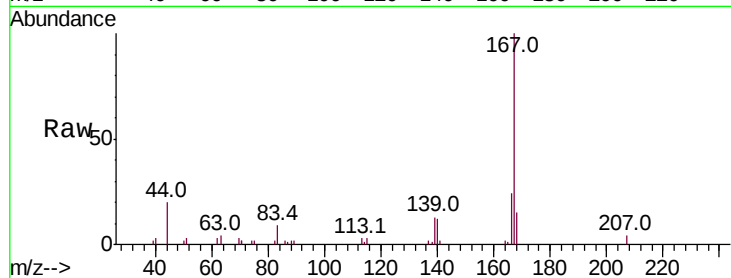
#72
 Carbazole
 Concen: 0.765 ng
 RT: 17.48 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.3	18.2	27.4
139	12.5	9.4	14.2

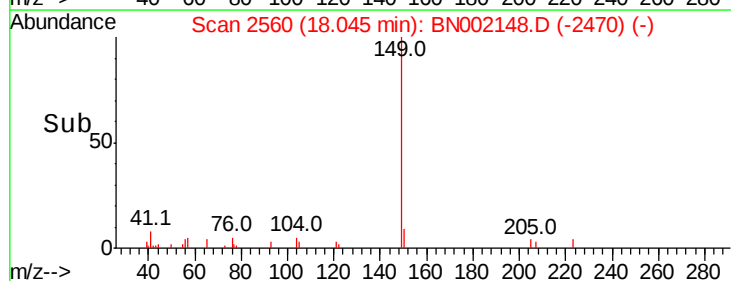
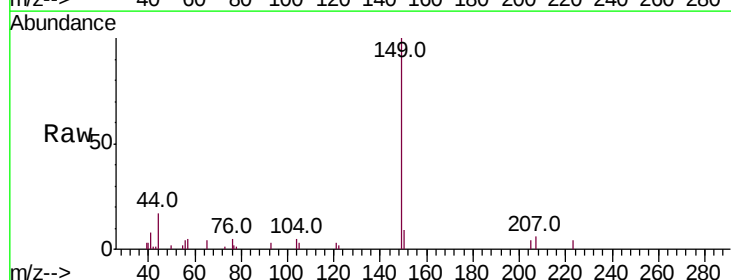
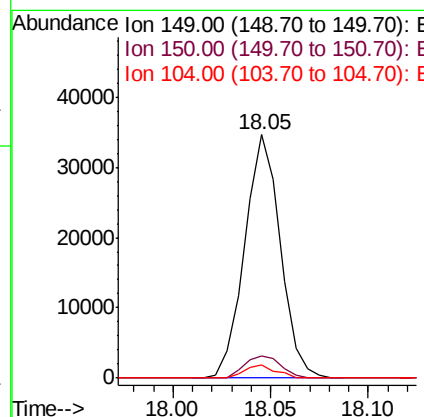
Manual Integrations
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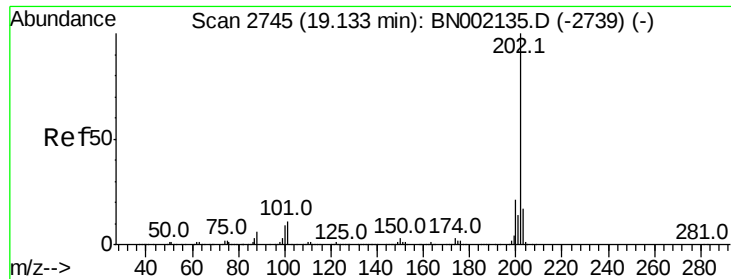
Sohil
 7/27/2018 11:35:40 AM



#73
 Di-n-butylphthalate
 Concen: 0.672 ng
 RT: 18.05 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.8	11.6
104	5.3	3.9	5.9





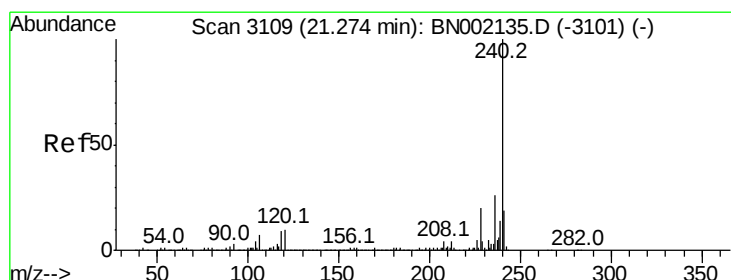
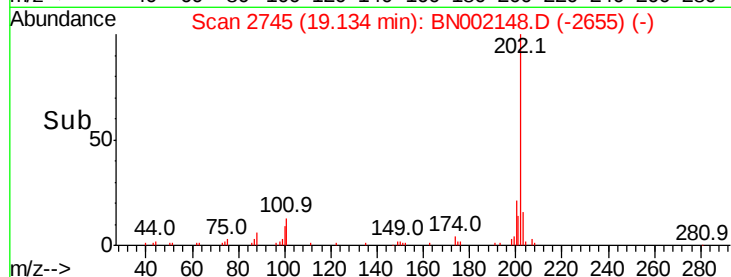
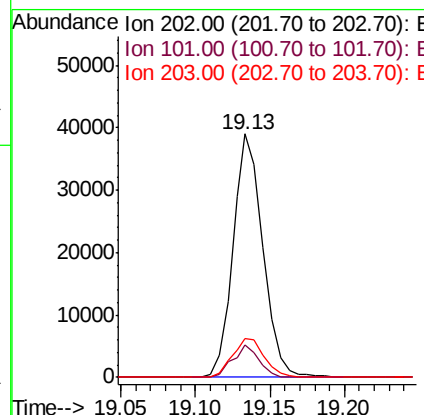
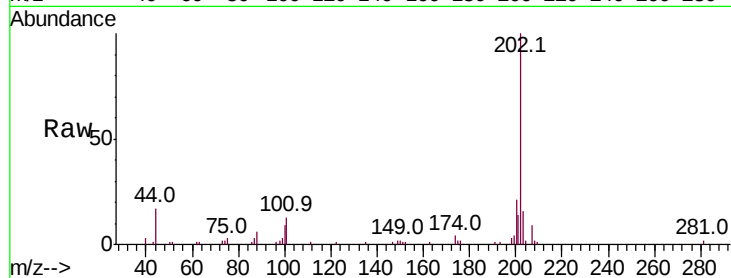
#74
 Fluoranthene
 Concen: 0.893 ng
 RT: 19.13 min Scan# 2745
 Delta R.T. 0.00 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	28.9
203	15.9	0.0	37.5

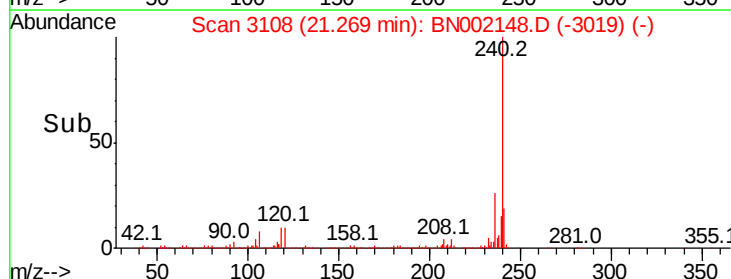
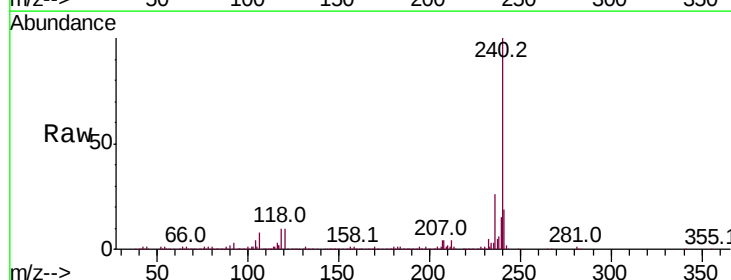
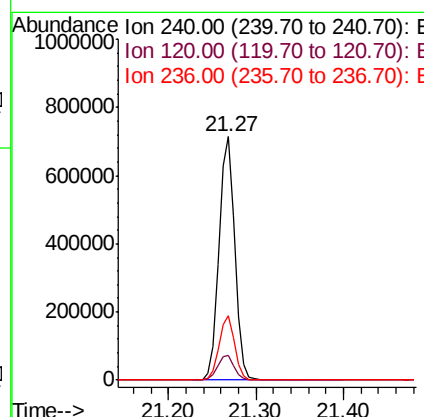
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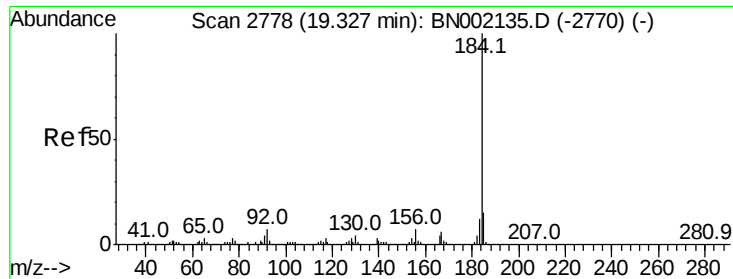
Sohil
 7/27/2018 11:35:40 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN002148.D
 Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	6.8	10.2#
236	26.2	20.9	31.3





#76

Benzidine

Concen: 0.306 ng

RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

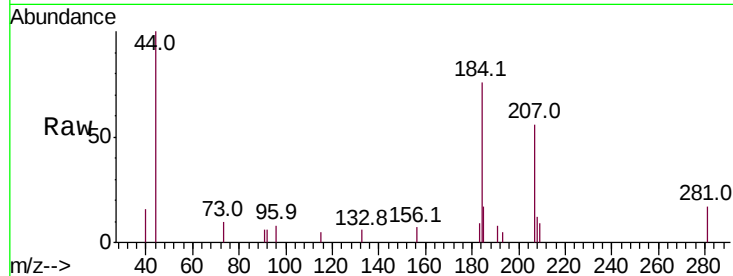
ClientSampleId :

MDL-SOIL-03-QT3-2018

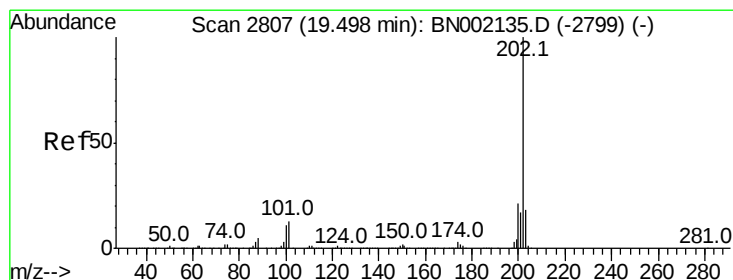
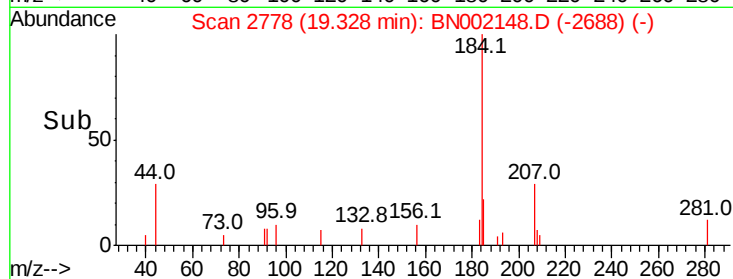
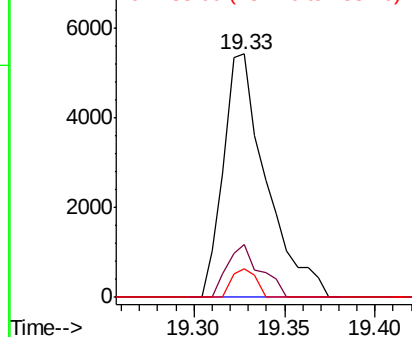
Tot Ion	Ratio	Lower	Upper
184	100		
185	22.0	11.1	16.7#
183	11.7	10.6	16.0

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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



#77

Pyrene

Concen: 0.910 ng

RT: 19.50 min Scan# 2807

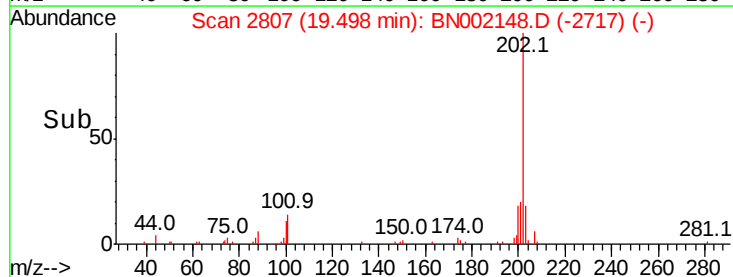
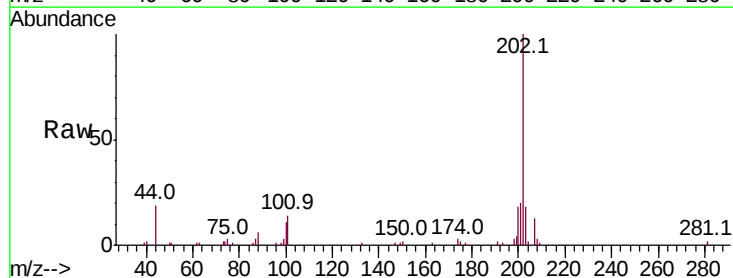
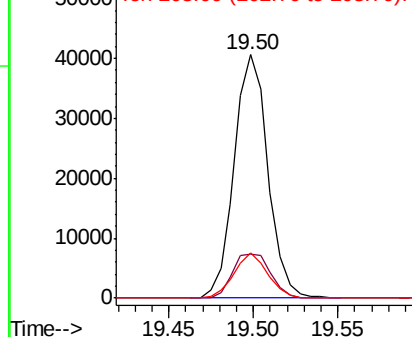
Delta R.T. 0.00 min

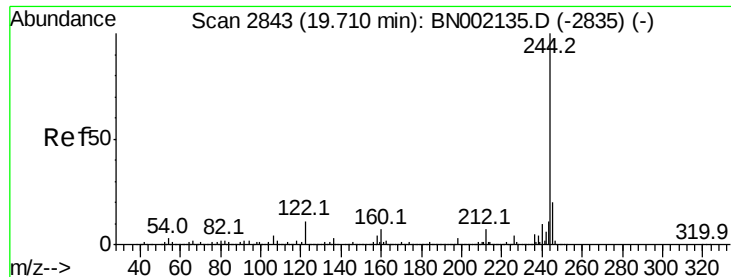
Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.3	16.9	25.3
203	18.3	13.9	20.9

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





#78

Terphenyl-d14

Concen: 106.960 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:244 Resp: 4601382

Ion Ratio Lower Upper

244 100

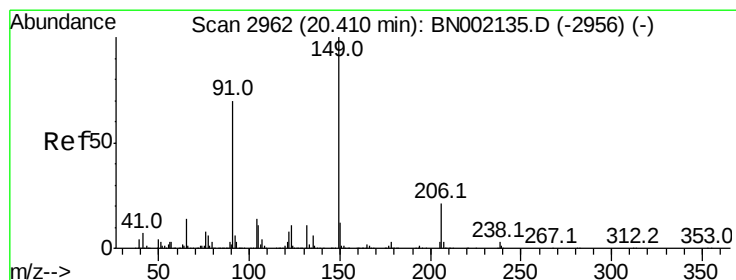
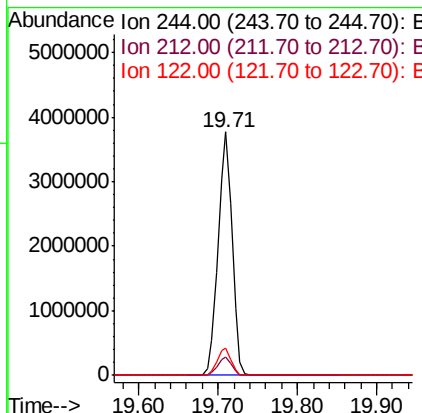
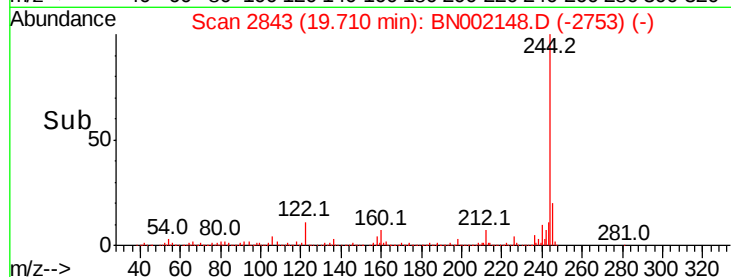
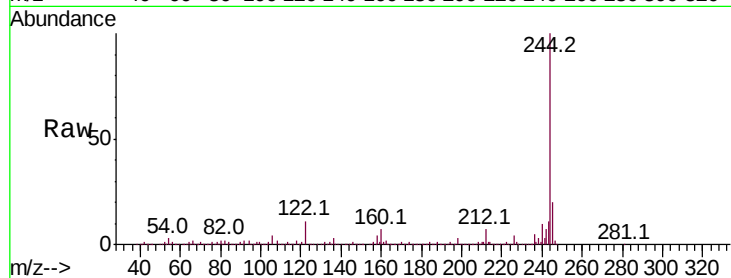
212 7.3 5.8 8.8

122 11.2 7.0 10.4#

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#79

Butylbenzylphthalate

Concen: 0.634 ng

RT: 20.41 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

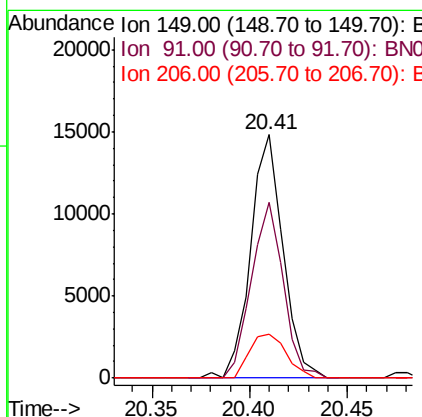
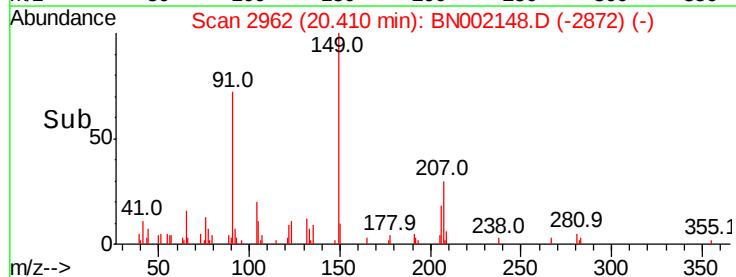
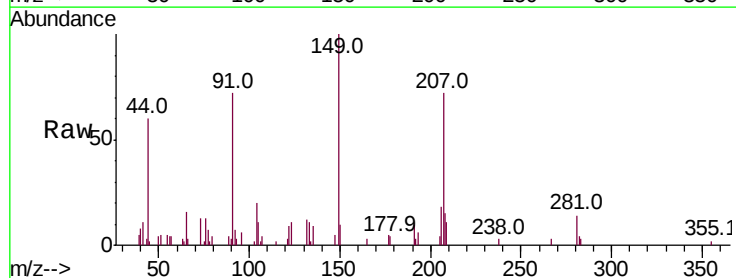
Tgt Ion:149 Resp: 17080

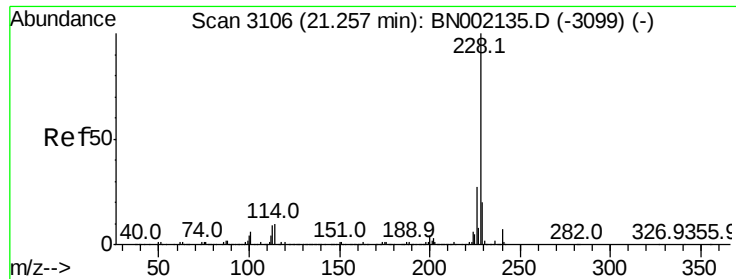
Ion Ratio Lower Upper

149 100

91 72.2 62.2 93.2

206 18.2 18.6 27.8#





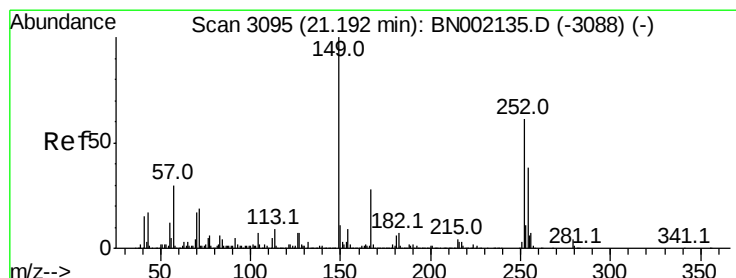
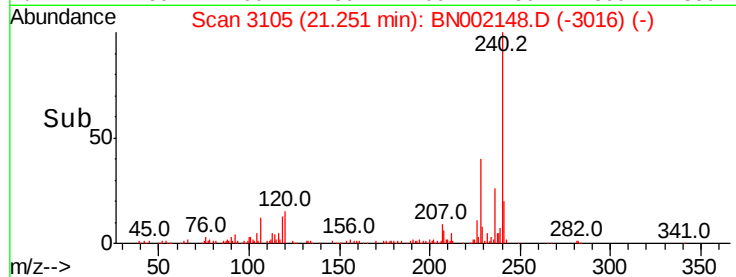
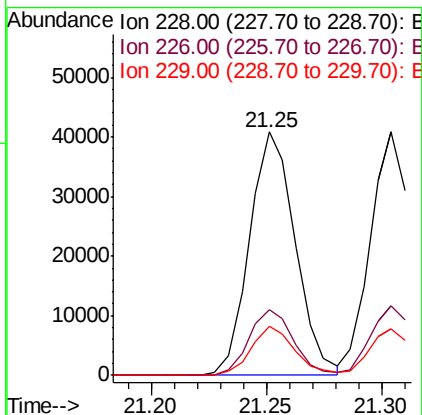
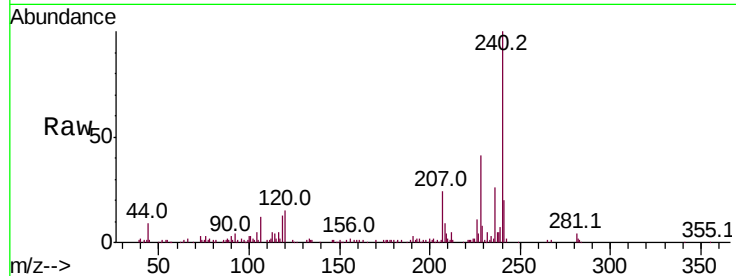
#80
Benzo(a)anthracene
Concen: 1.030 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	20.3	16.2	24.2

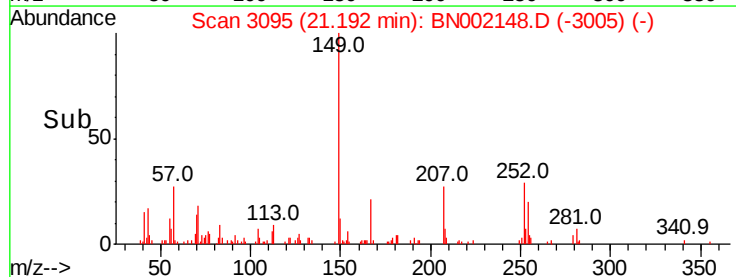
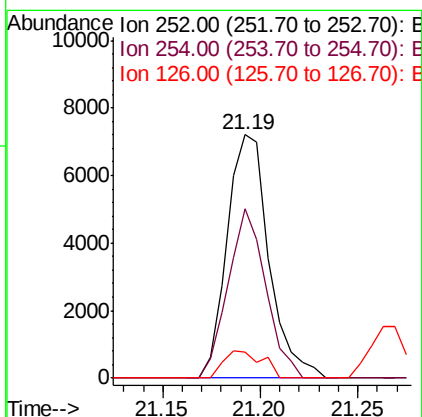
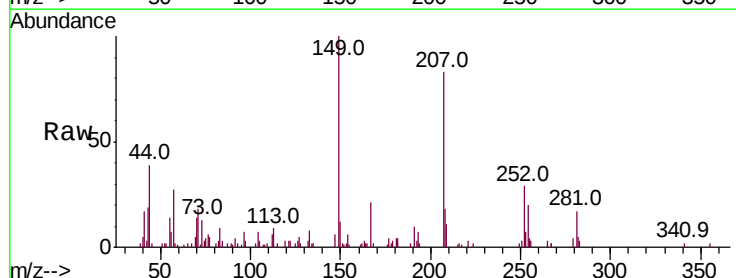
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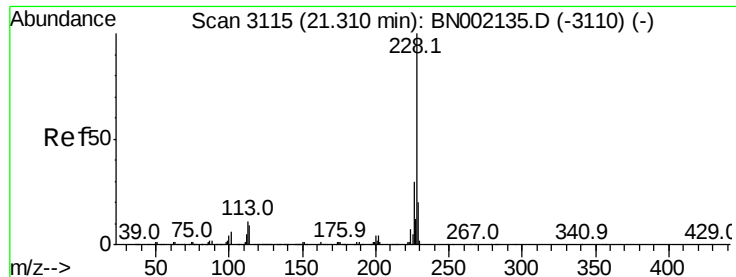
Sohil
7/27/2018 11:35:40 AM



#81
3,3'-Dichlorobenzidine
Concen: 0.502 ng
RT: 21.19 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
254	69.4	50.8	76.2
126	10.7	7.4	11.2





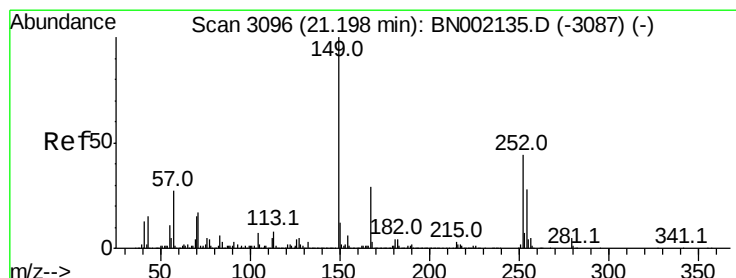
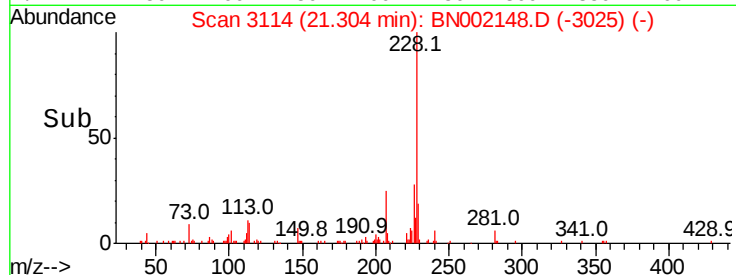
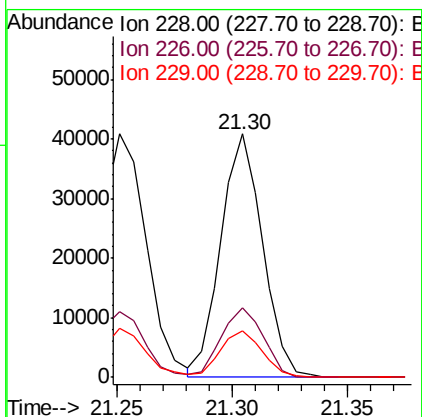
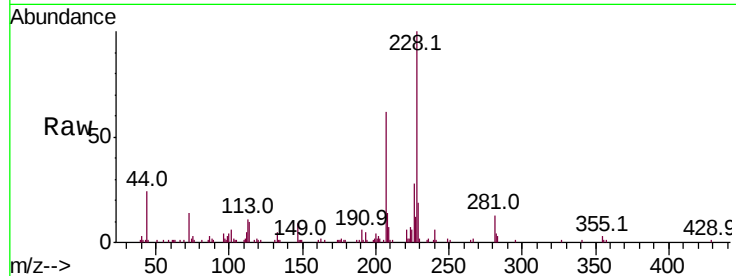
#82
Chrysene
Concen: 0.984 ng
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.9	37.3
229	19.3	15.0	22.4

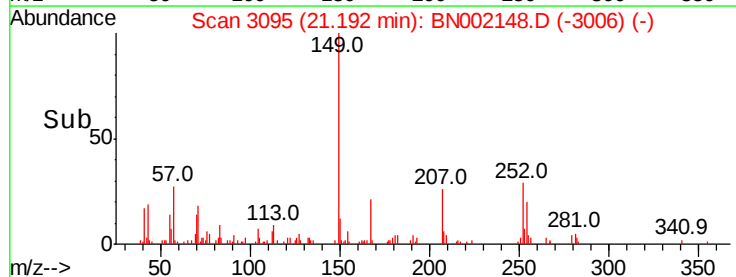
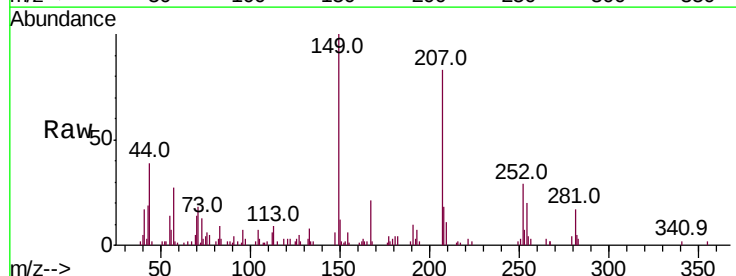
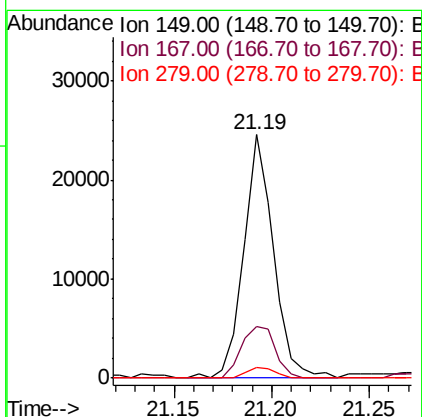
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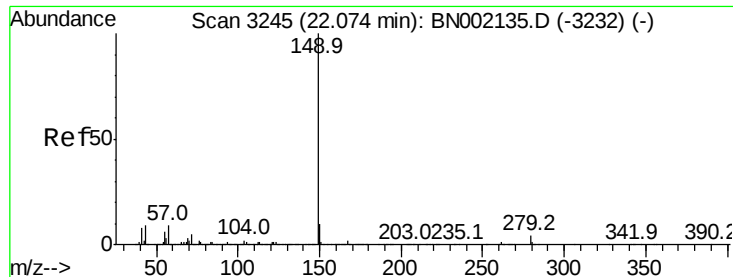
Sohil
7/27/2018 11:35:40 AM



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.693 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	21.4	24.3	36.5#
279	4.2	4.0	6.0





#84

Di-n-octyl phthalate

Concen: 0.656 ng

RT: 22.07 min Scan# 3244

Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Instrument :

BNA_N

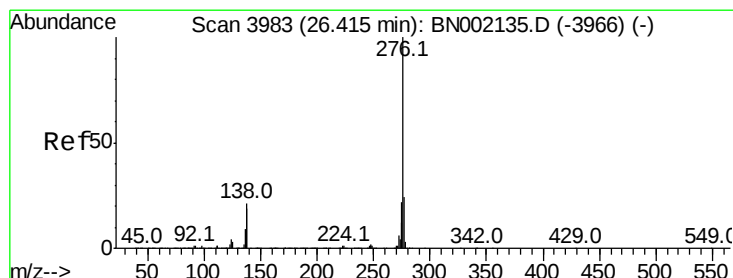
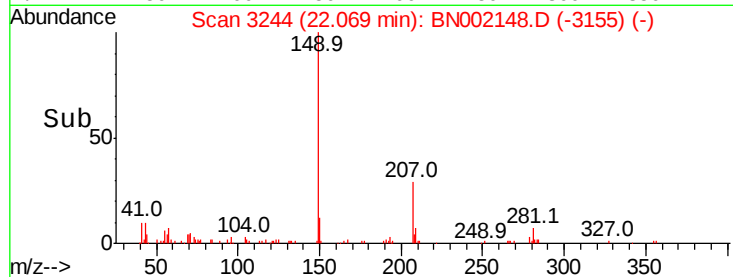
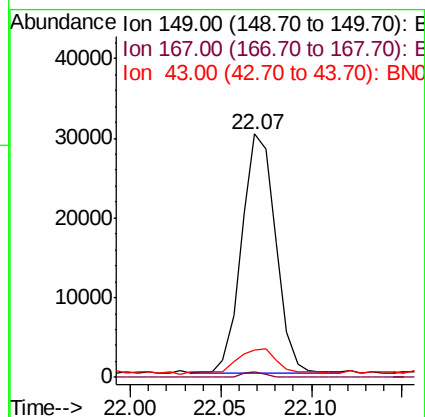
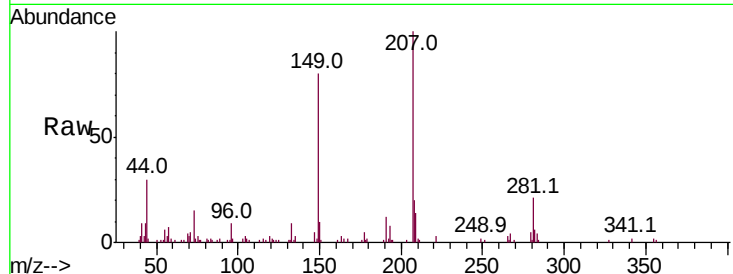
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	39071
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.4	2.0
43	13.5	8.9	13.3#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 1.010 ng

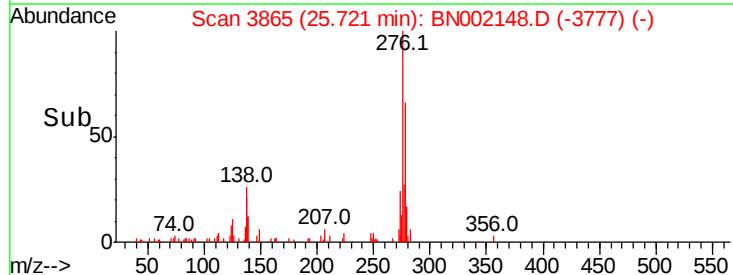
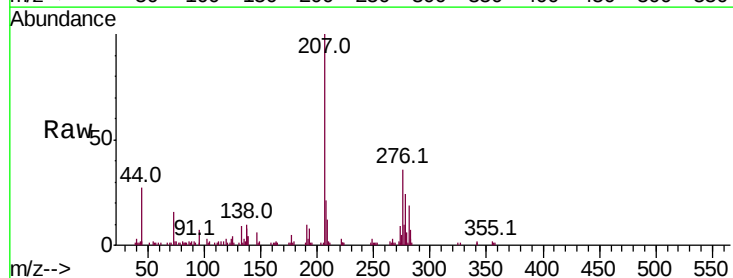
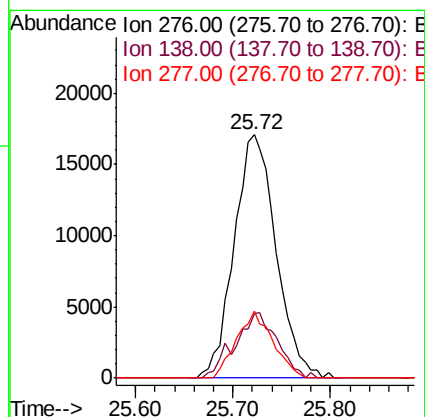
RT: 25.72 min Scan# 3865

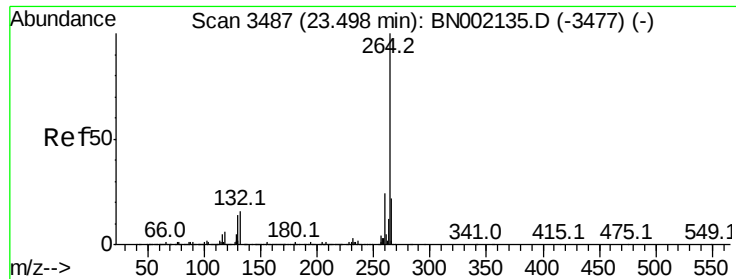
Delta R.T. -0.01 min

Lab File: BN002148.D

Acq: 25 Jul 2018 22:26

Tgt Ion:	276	Resp:	51256
Ion Ratio	Lower	Upper	
276	100		
138	27.1	16.0	24.0#
277	23.8	20.0	30.0





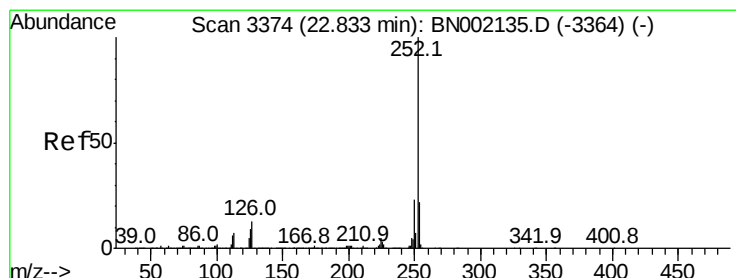
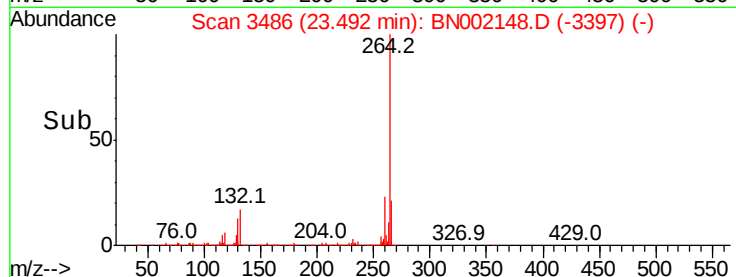
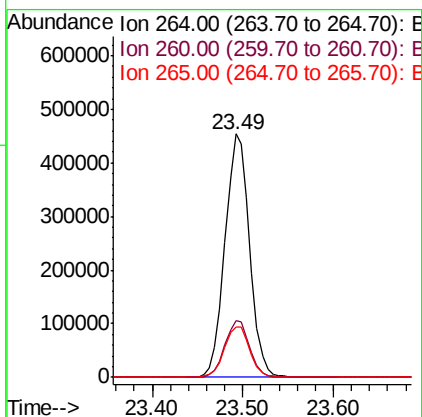
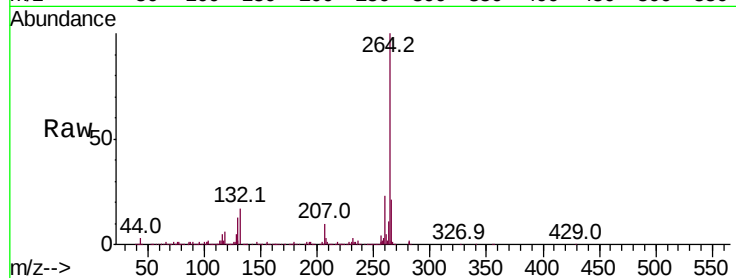
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	20.9	17.7	26.5

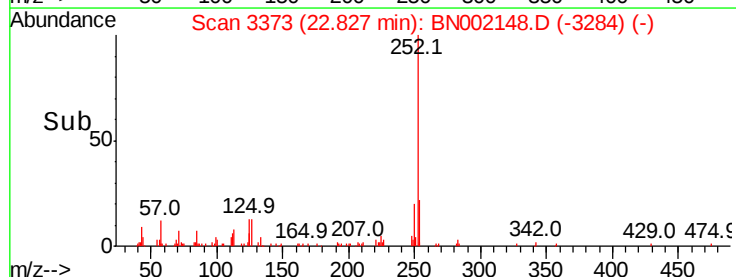
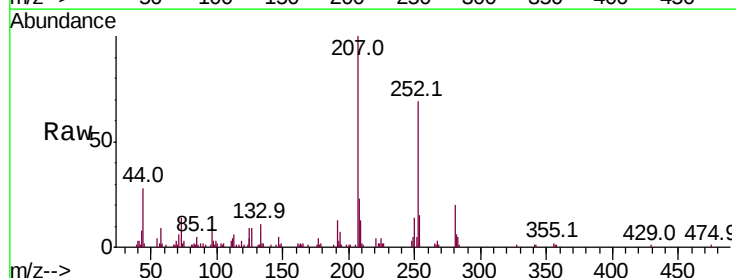
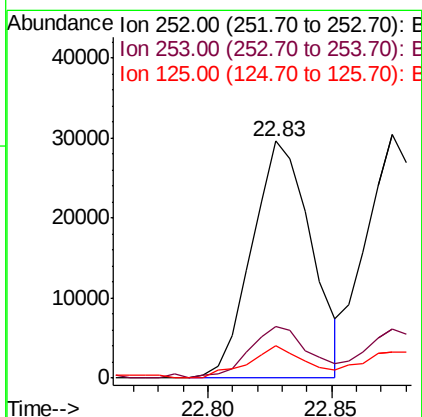
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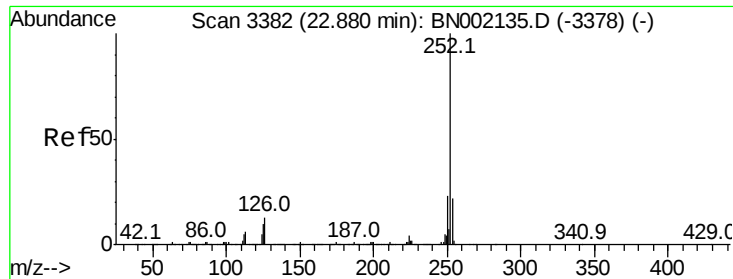
Sohil
7/27/2018 11:35:40 AM



#87
Benzo(b)fluoranthene
Concen: 0.981 ng m
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	13.5	7.2	10.8





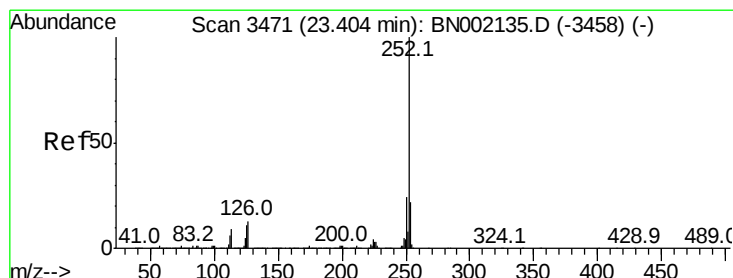
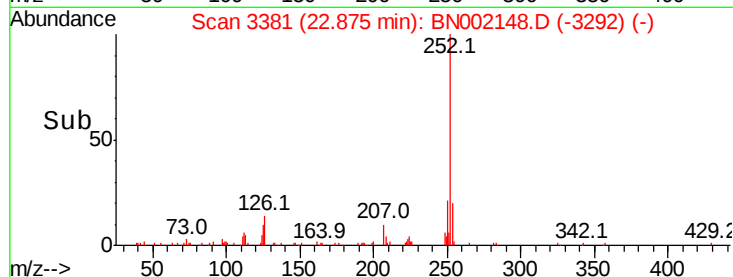
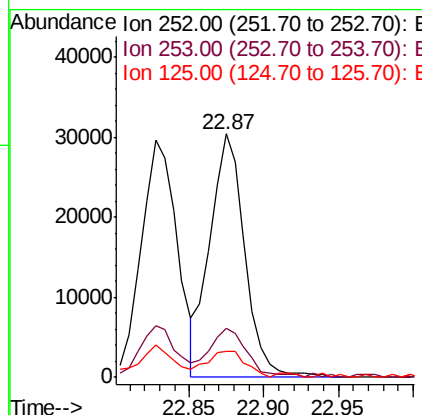
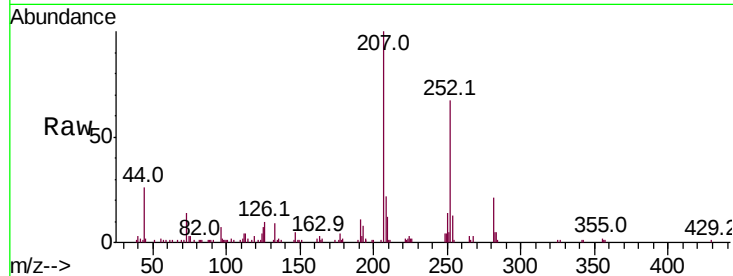
#88
Benzo(k)fluoranthene
Concen: 1.006 ng
RT: 22.87 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.4	26.2
125	10.5	6.6	9.8

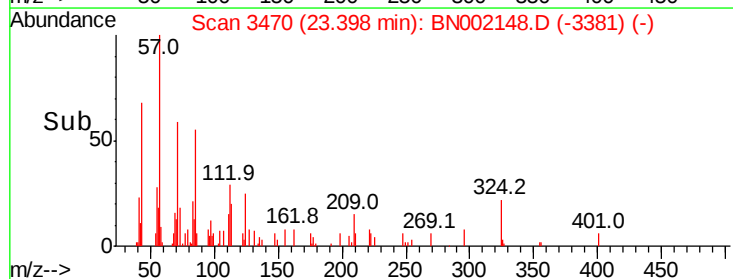
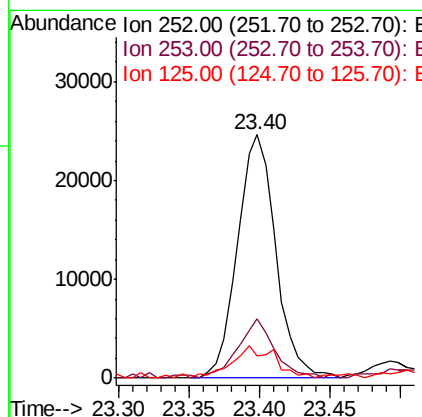
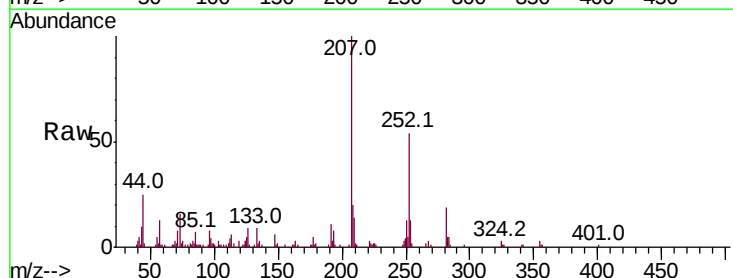
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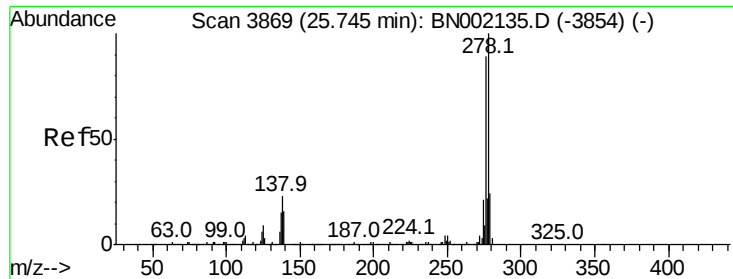
Sohil
7/27/2018 11:35:40 AM



#89
Benzo(a)pyrene
Concen: 0.996 ng
RT: 23.40 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.3	27.5
125	9.2	7.3	10.9





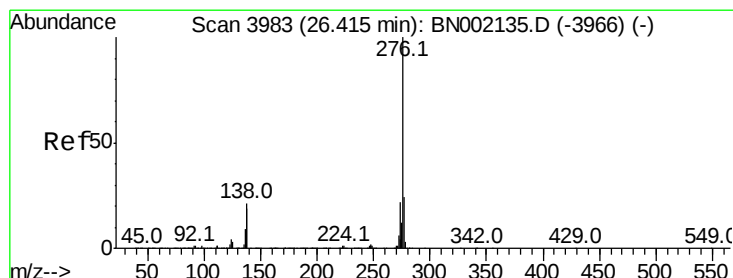
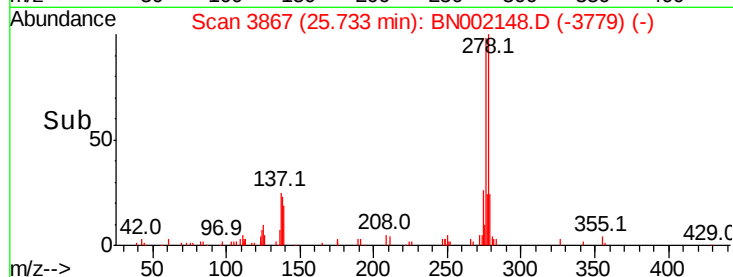
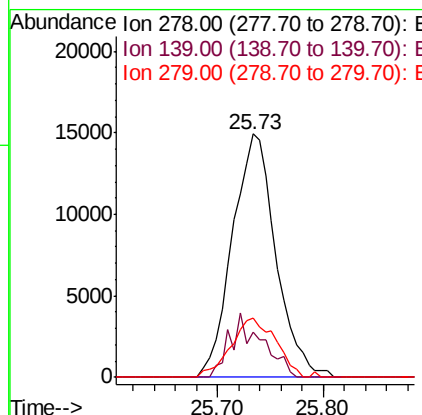
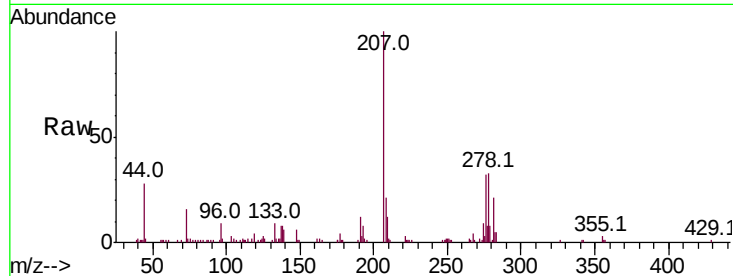
#90
Dibenzo(a,h)anthracene
Concen: 0.964 ng
RT: 25.73 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	9.8	14.6#
279	24.2	18.4	27.6

Manual Integrations
APPROVED

Sohil
7/27/2018 11:35:40 AM



#91
Benzo(g,h,i)perylene
Concen: 1.000 ng
RT: 26.40 min Scan# 3981
Delta R.T. -0.01 min
Lab File: BN002148.D
Acq: 25 Jul 2018 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.5	18.3	27.5
138	19.6	13.9	20.9

