

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002149.D
 Acq On : 25 Jul 2018 23:01
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 7/27/2018 11:35:43 AM

Quant Time: Jul 26 06:50:15 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	211471	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	877431	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	521219	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1120640	20.00	ng	0.00
75) Chrysene-d12	21.27	240	972218	20.00	ng	0.00
86) Perylene-d12	23.49	264	875795	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1589267	120.99	ng	0.00
7) Phenol-d6	6.88	99	2147504	116.50	ng	0.00
23) Nitrobenzene-d5	8.84	82	1498790	87.60	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	843006	124.55	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3440689	85.98	ng	0.00
78) Terphenyl-d14	19.71	244	5036879	108.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	8694	1.763	ng	# 65
3) Pyridine	3.68	79	21430	1.500	ng	# 68
4) n-Nitrosodimethylamine	3.59	42	12366	2.018	ng	# 44
6) Aniline	7.03	93	26148	1.161	ng	# 95
8) 2-Chlorophenol	7.26	128	27174	1.784	ng	96
9) Benzaldehyde	6.85	77	27718	2.442	ng	90
10) Phenol	6.90	94	35701	1.889	ng	80
11) bis(2-Chloroethyl)ether	7.13	93	26302	1.710	ng	87
12) 1,3-Dichlorobenzene	7.58	146	31543	1.817	ng	96
13) 1,4-Dichlorobenzene	7.73	146	32367	1.822	ng	97
14) 1,2-Dichlorobenzene	8.04	146	30460	1.778	ng	98
15) Benzyl Alcohol	7.93	79	17045	1.225	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.22	45	46368	1.867	ng	92
17) 2-Methylphenol	8.13	107	22744	1.763	ng	97
18) Hexachloroethane	8.76	117	11479	1.766	ng	91
19) n-Nitroso-di-n-propylamine	8.49	70	21850	1.634	ng	95
20) 3+4-Methylphenols	8.46	107	28968	1.610	ng	88
22) Acetophenone	8.50	105	43024	1.891	ng	96
24) Nitrobenzene	8.88	77	33901	1.912	ng	# 95
25) Isophorone	9.40	82	58480	1.991	ng	# 95
26) 2-Nitrophenol	9.59	139	12129	1.416	ng	96
27) 2,4-Dimethylphenol	9.65	122	23659	1.986	ng	94
28) bis(2-Chloroethoxy)methane	9.89	93	36212	1.908	ng	99
29) 2,4-Dichlorophenol	10.13	162	22691	1.633	ng	95
30) 1,2,4-Trichlorobenzene	10.33	180	28716	1.825	ng	96
31) Naphthalene	10.51	128	91364	2.063	ng	97
32) Benzoic acid	9.72	122	6918m	0.684	ng	
33) 4-Chloroaniline	10.63	127	24692	1.253	ng	96
34) Hexachlorobutadiene	10.80	225	17418	1.808	ng	96
35) Caprolactam	11.38	113	6055	1.277	ng	# 55
36) 4-Chloro-3-methylphenol	11.76	107	26161	1.656	ng	# 93
37) 2-Methylnaphthalene	12.13	142	67368	2.157	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	32881	1.876	ng	99
40) Hexachlorocyclopentadiene	12.48	237	14795	1.495	ng	87

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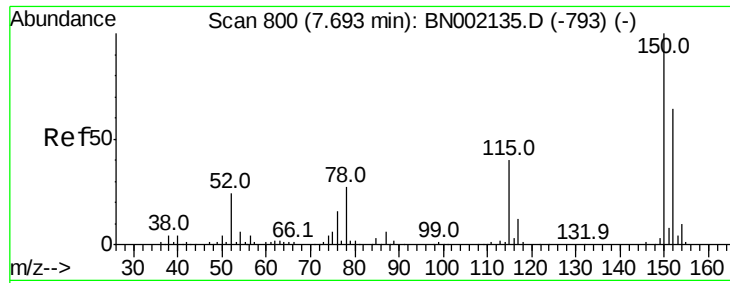
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	18757	1.595	ng	100
43) 2,4,5-Trichlorophenol	12.83	196	19349	1.553	ng	91
45) 1,1'-Biphenyl	13.15	154	91220	1.989	ng	99
46) 2-Chloronaphthalene	13.19	162	67030	1.893	ng	96
47) 2-Nitroaniline	13.40	65	16268	1.428	ng	91
48) Acenaphthylene	14.04	152	100710	1.875	ng	97
49) Dimethylphthalate	13.78	163	82507	1.906	ng	100
50) 2,6-Dinitrotoluene	13.90	165	15614	1.623	ng	# 90
51) Acenaphthene	14.39	154	63991	1.977	ng	95
52) 3-Nitroaniline	14.23	138	12977	1.245	ng	# 86
53) 2,4-Dinitrophenol	14.45	184	4179	0.821	ng	93
54) Dibenzofuran	14.72	168	102314	1.950	ng	96
55) 4-Nitrophenol	14.56	139	9534	1.192	ng	# 82
56) 2,4-Dinitrotoluene	14.70	165	18262	1.399	ng	# 95
57) Fluorene	15.37	166	77494	1.960	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.95	232	17410	1.625	ng	# 95
59) Diethylphthalate	15.15	149	79240	1.798	ng	96
60) 4-Chlorophenyl-phenylether	15.37	204	40646	1.857	ng	96
61) 4-Nitroaniline	15.40	138	14409	1.356	ng	94
62) Azobenzene	15.66	77	74430	1.760	ng	98
64) 4,6-Dinitro-2-methylphenol	15.47	198	7277	0.962	ng	82
65) n-Nitrosodiphenylamine	15.59	169	66548	1.790	ng	93
66) 4-Bromophenyl-phenylether	16.27	248	23537	1.794	ng	95
67) Hexachlorobenzene	16.38	284	26996	1.860	ng	# 88
68) Atrazine	16.54	200	18903	1.510	ng	95
69) Pentachlorophenol	16.73	266	8503	0.910	ng	96
70) Phenanthrene	17.11	178	126148	2.062	ng	99
71) Anthracene	17.20	178	119390	1.972	ng	98
72) Carbazole	17.47	167	100097	1.648	ng	98
73) Di-n-butylphthalate	18.05	149	105503	1.489	ng	98
74) Fluoranthene	19.13	202	123048	1.853	ng	98
76) Benzidine	19.33	184	20905	0.659	ng	# 91
77) Pyrene	19.50	202	126845	1.892	ng	98
79) Butylbenzylphthalate	20.41	149	40058	1.373	ng	94
80) Benzo(a)anthracene	21.25	228	116661	1.969	ng	99
81) 3,3'-Dichlorobenzidine	21.19	252	25244	1.093	ng	# 94
82) Chrysene	21.30	228	111658	1.979	ng	98
83) Bis(2-ethylhexyl)phthalate	21.19	149	58465	1.437	ng	# 98
84) Di-n-octyl phthalate	22.07	149	90737	1.406	ng	98
85) Indeno(1,2,3-cd)pyrene	25.72	276	103566	1.883	ng	# 95
87) Benzo(b)fluoranthene	22.83	252	103997	2.012	ng	98
88) Benzo(k)fluoranthene	22.87	252	101341	1.991	ng	97
89) Benzo(a)pyrene	23.40	252	95510	1.979	ng	# 94
90) Dibenzo(a,h)anthracene	25.73	278	89909	1.984	ng	# 95
91) Benzo(g,h,i)perylene	26.40	276	87514	1.998	ng	98

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



#1

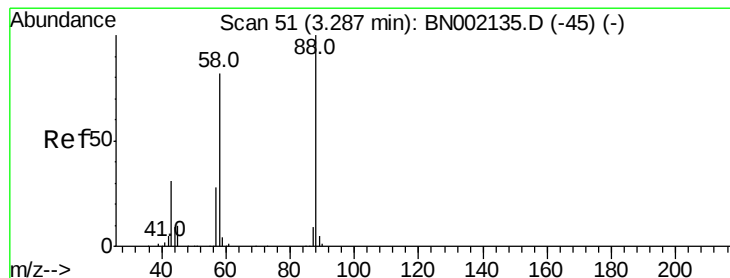
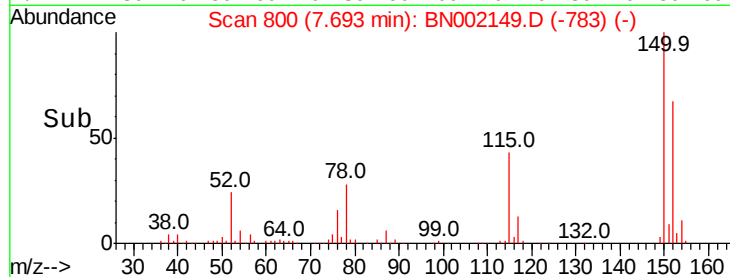
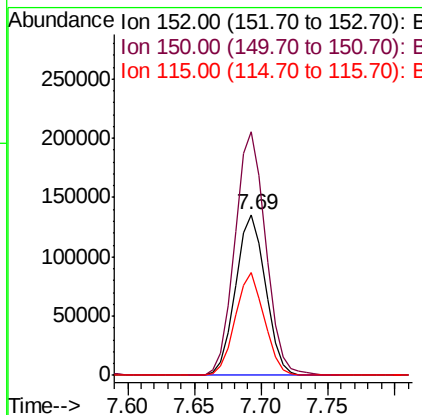
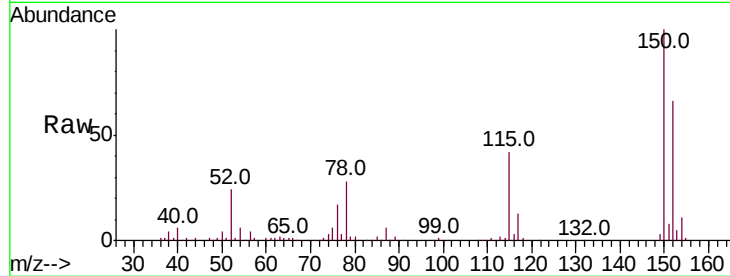
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.6	189.8
115	64.1	53.0	79.4

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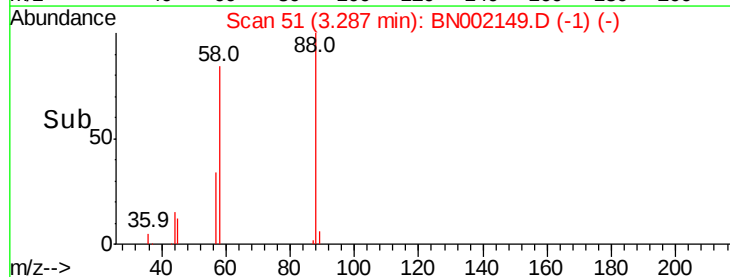
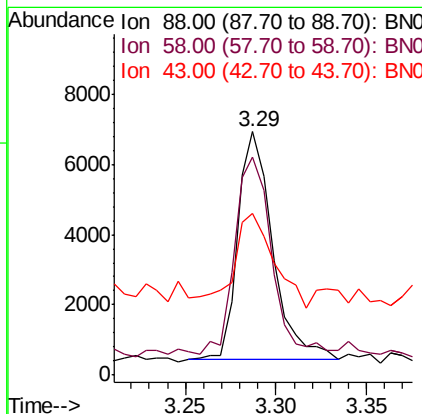
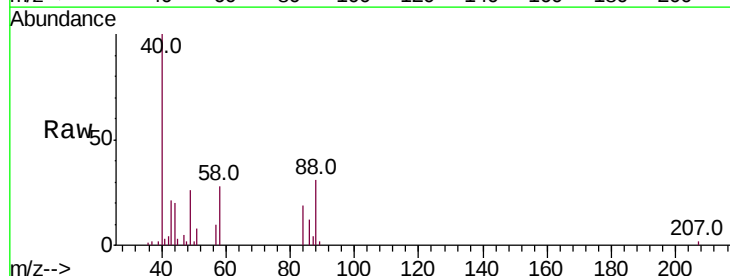
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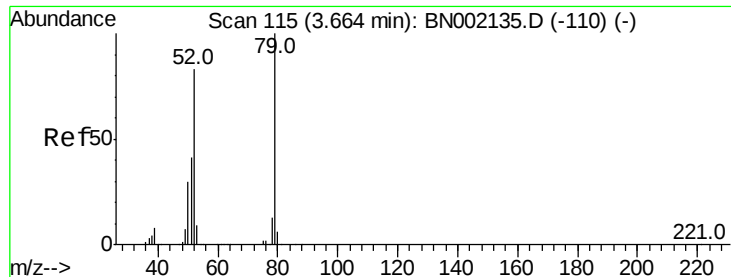


#2

1,4-Dioxane
Concen: 1.763 ng
RT: 3.29 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.1	52.0	78.0#
43	47.0	20.0	30.0#





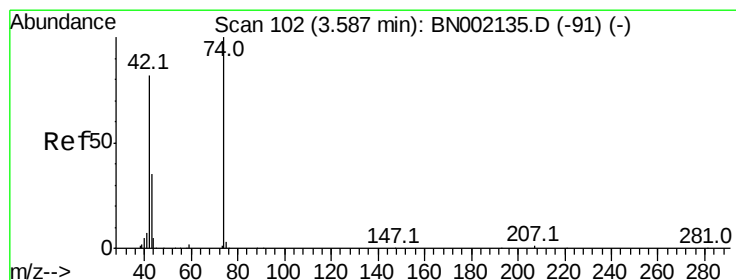
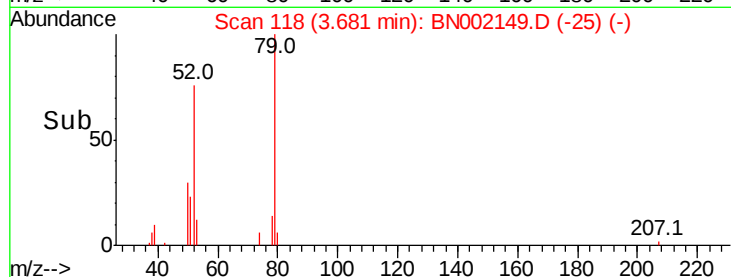
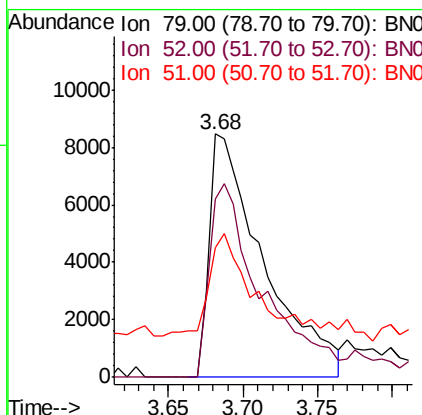
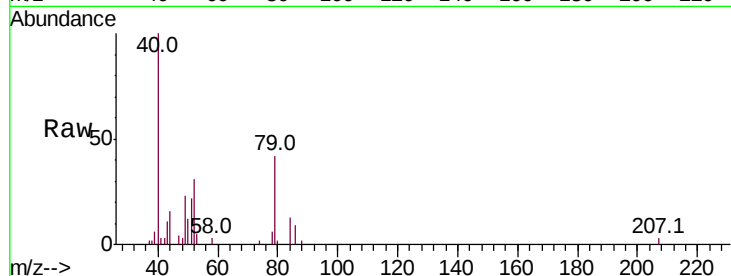
#3
Pvridine
Concen: 1.500 ng
RT: 3.68 min Scan# 118
Delta R.T. 0.02 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	73.2	44.0	66.0#
51	53.4	24.0	36.0#

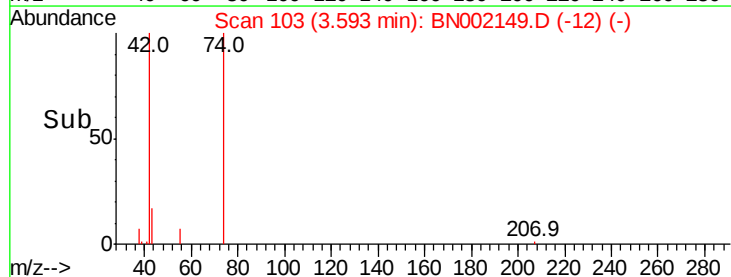
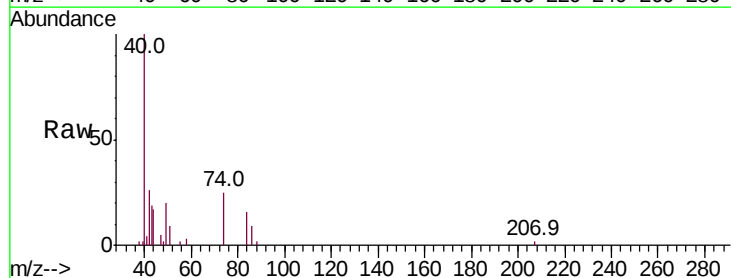
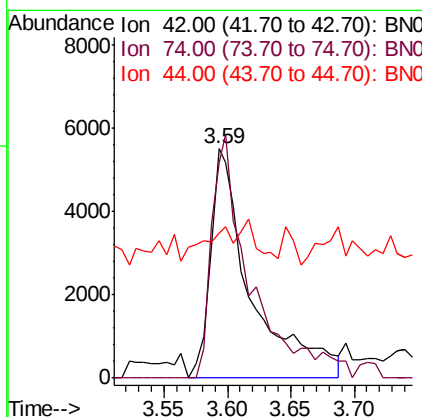
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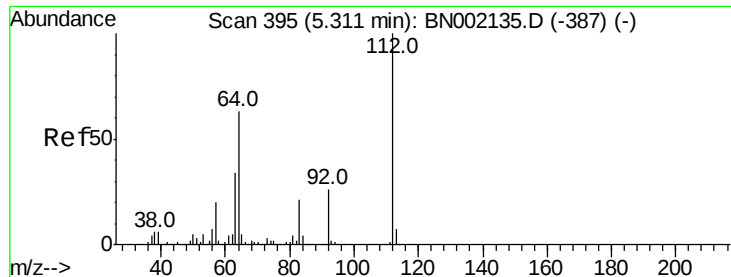
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#4
n-Nitrosodimethylamine
Concen: 2.018 ng
RT: 3.59 min Scan# 103
Delta R.T. 0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
42	100		
74	93.9	128.0	192.0#
44	63.1	12.0	18.0#





#5

2-Fluorophenol

Concen: 120.991 ng

RT: 5.31 min Scan# 395

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:112 Resp: 1589267

Ion Ratio Lower Upper

112 100

64 63.7 56.3 84.5

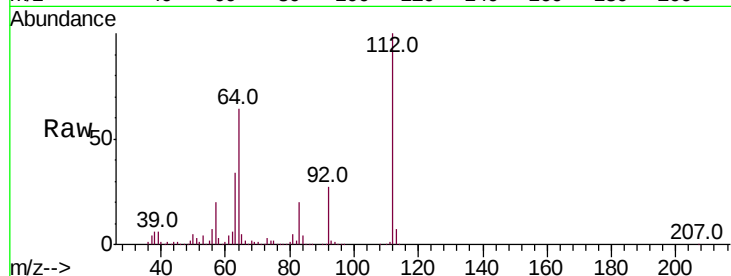
63 33.5 30.1 45.1

Manual Integrations

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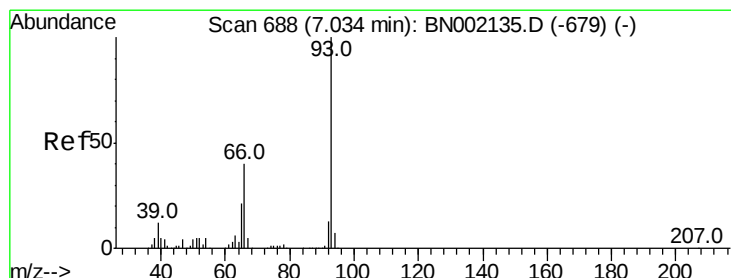
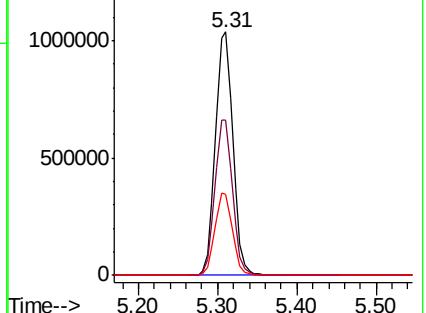
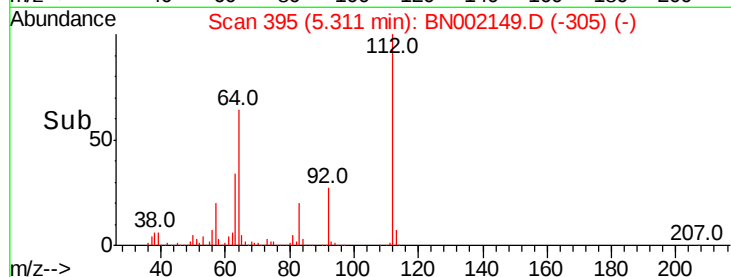
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 1.161 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

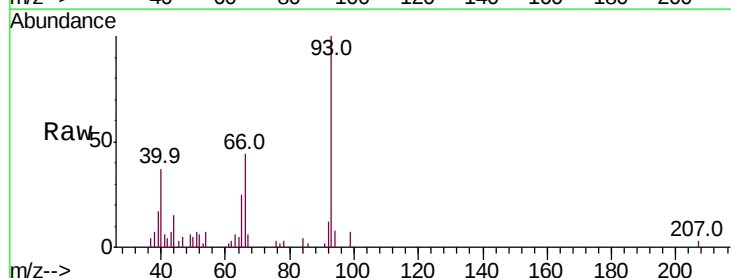
Tgt Ion: 93 Resp: 26148

Ion Ratio Lower Upper

93 100

66 44.0 33.7 50.5

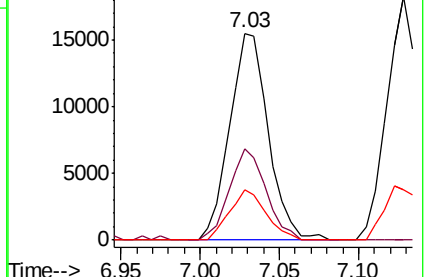
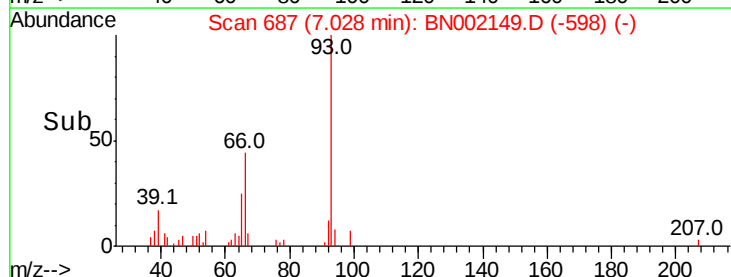
65 24.6 16.1 24.1#

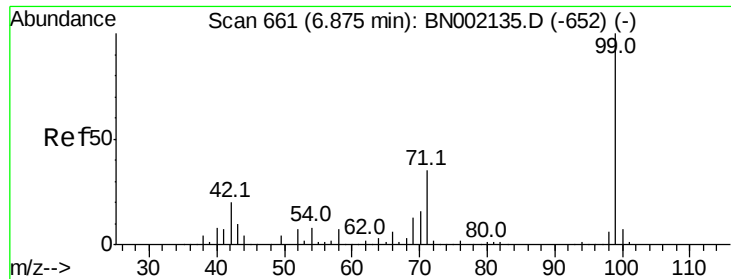


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 116.502 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 2147504

Ion Ratio Lower Upper

99 100

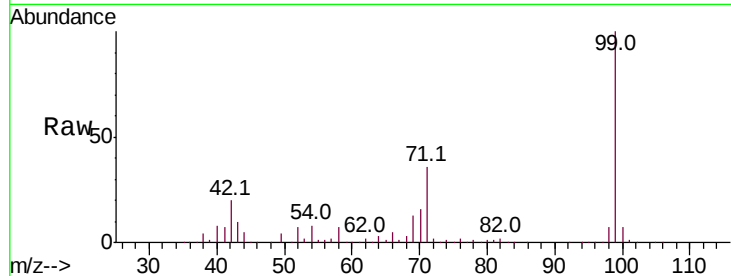
42 20.0 14.1 21.1

71 36.3 26.1 39.1

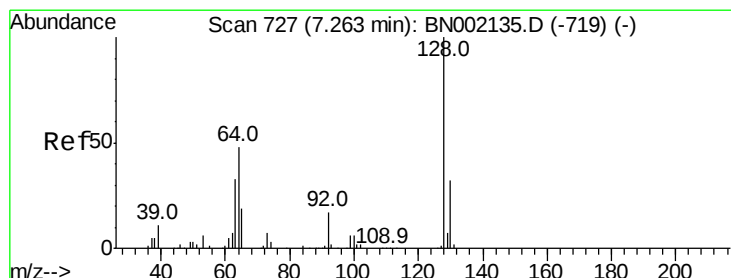
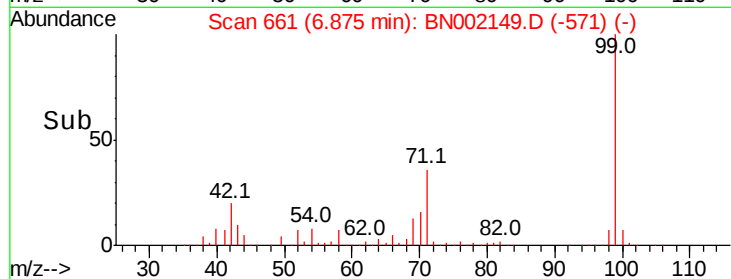
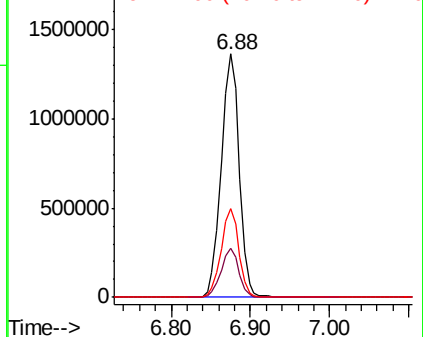
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Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#8

2-Chlorophenol

Concen: 1.784 ng

RT: 7.26 min Scan# 727

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

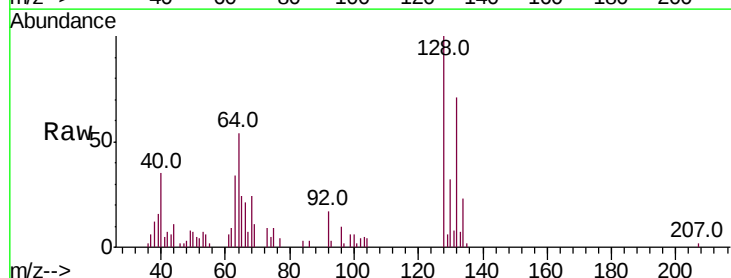
Tgt Ion:128 Resp: 27174

Ion Ratio Lower Upper

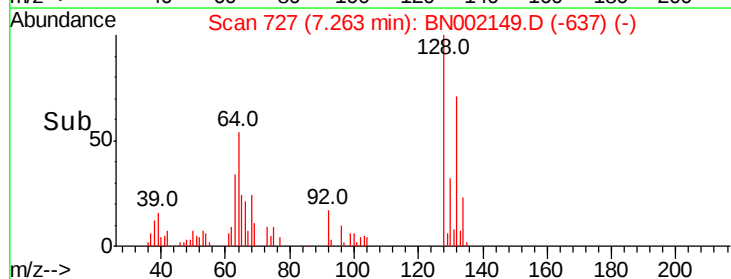
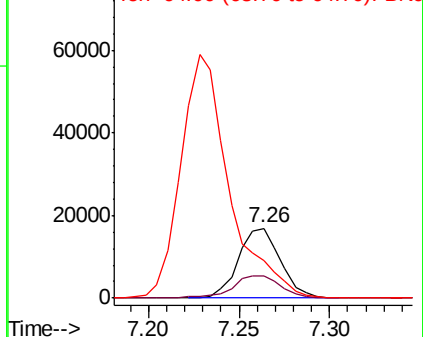
128 100

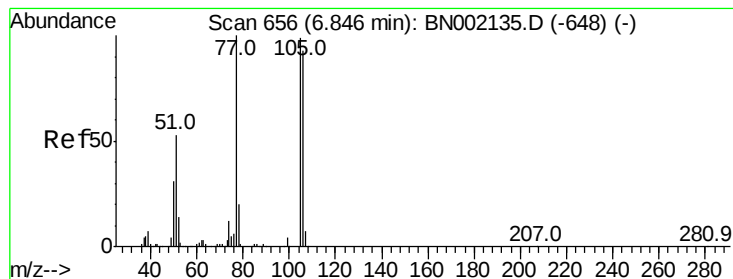
130 32.4 14.0 54.0

64 54.2 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: 2.442 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

ClientSampleId :

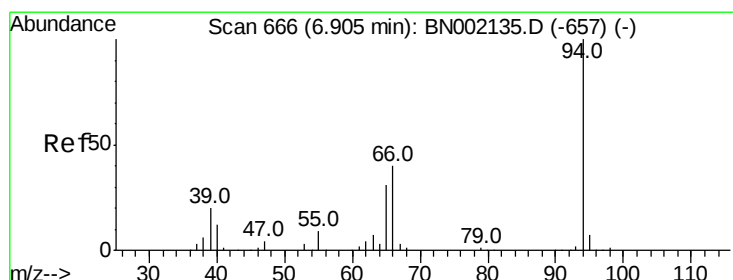
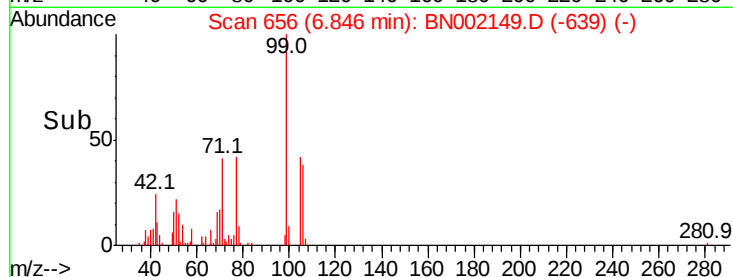
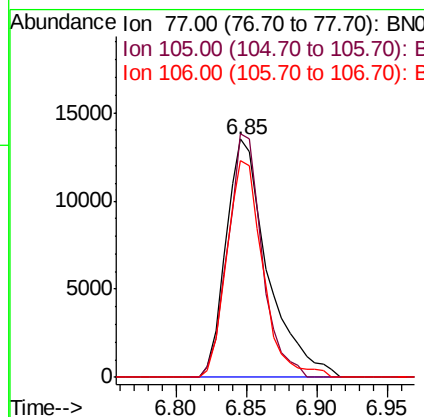
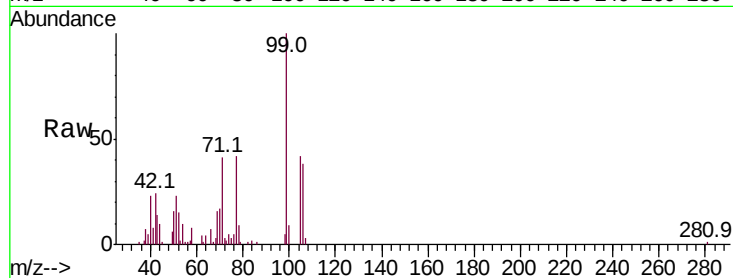
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
77	100		
105	102.1	71.3	111.3
106	91.0	64.2	104.2

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#10

Phenol

Concen: 1.889 ng

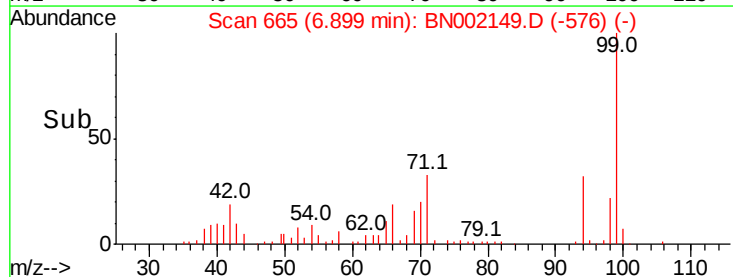
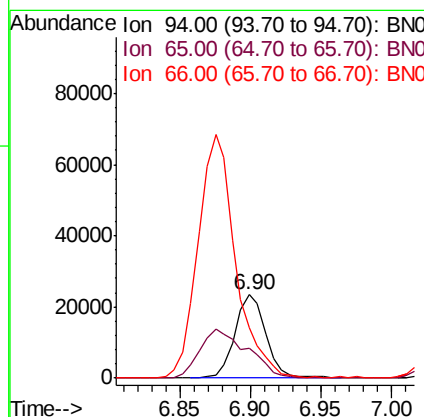
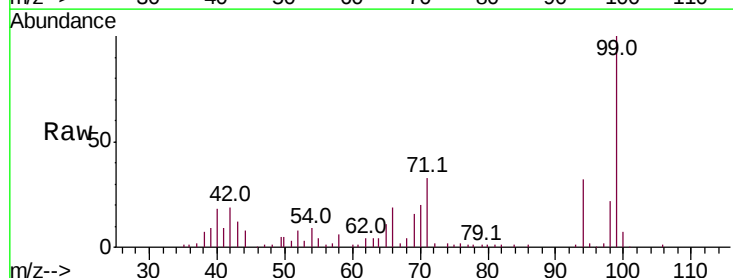
RT: 6.90 min Scan# 665

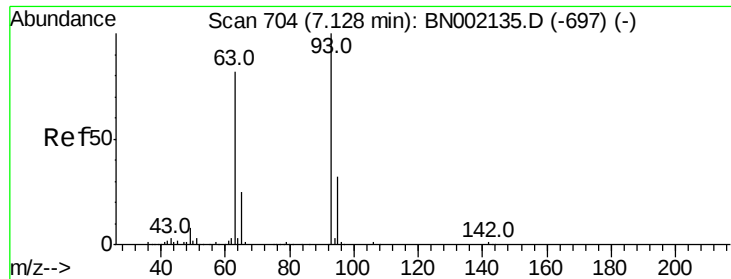
Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
94	100		
65	35.5	11.9	51.9
66	60.8	22.2	62.2





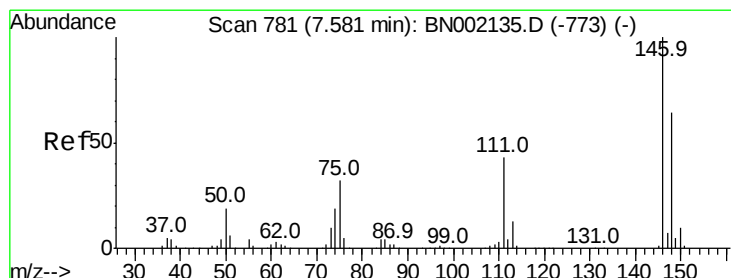
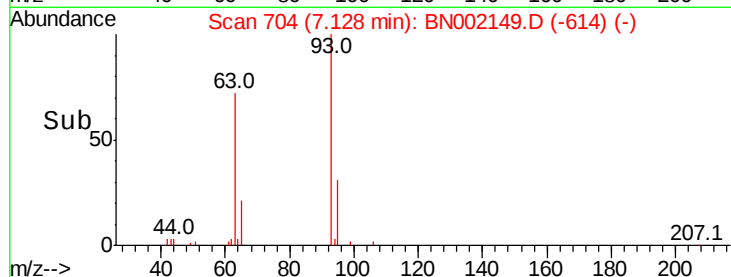
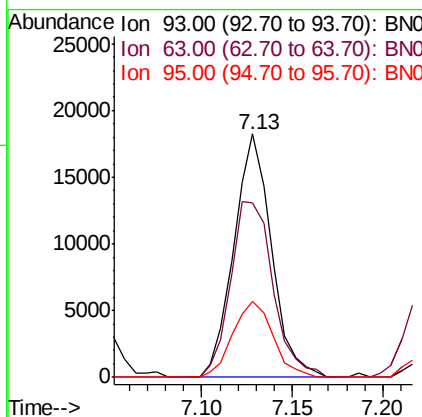
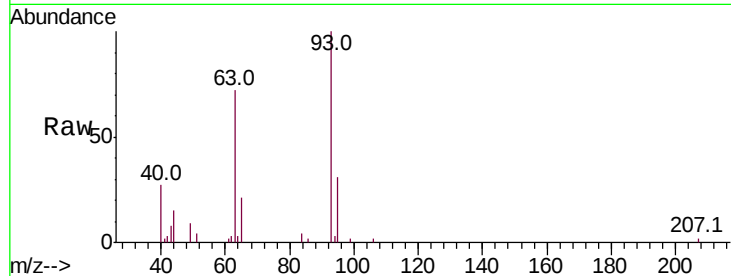
#11
bis(2-Chloroethyl)ether
Concen: 1.710 ng
RT: 7.13 min Scan# 704
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.5	67.1	107.1
95	30.9	11.5	51.5

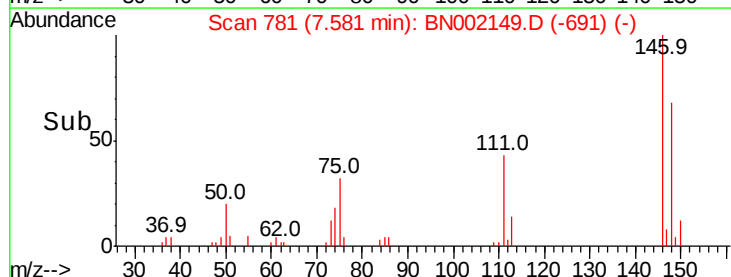
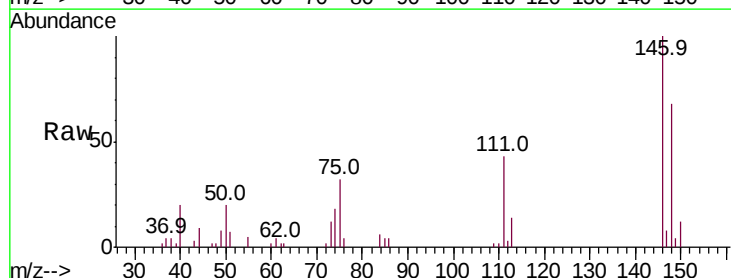
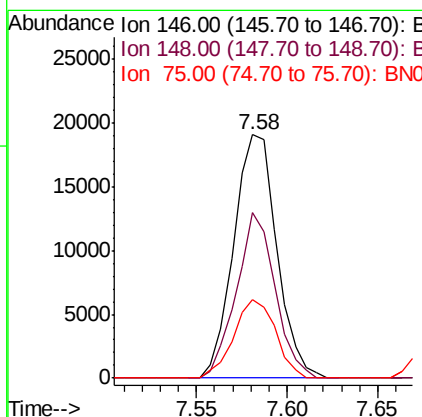
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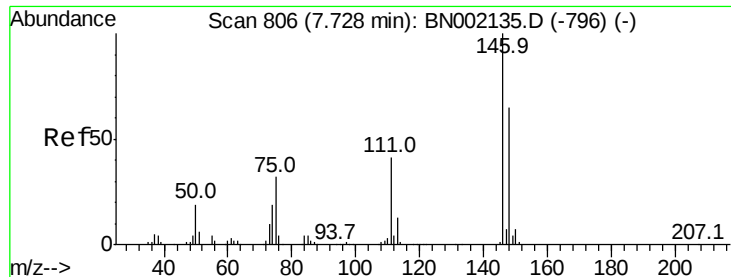
Sohil
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#12
1,3-Dichlorobenzene
Concen: 1.817 ng
RT: 7.58 min Scan# 781
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.1	51.4	77.2
75	32.1	26.6	39.8





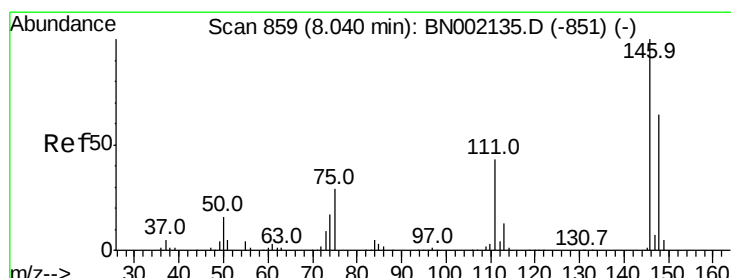
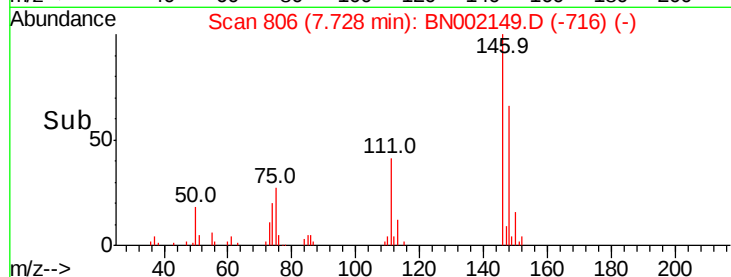
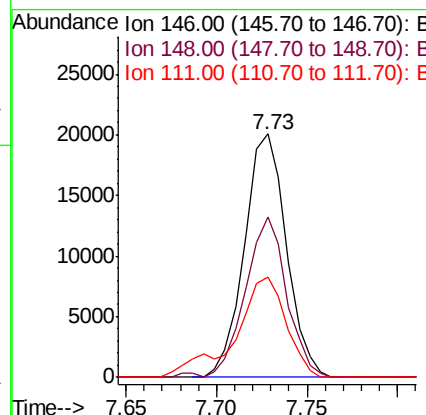
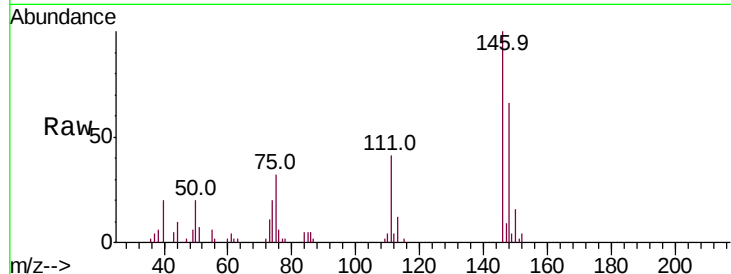
#13
 1,4-Dichlorobenzene
 Concen: 1.822 ng
 RT: 7.73 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.1	53.7	80.5
111	41.1	35.2	52.8

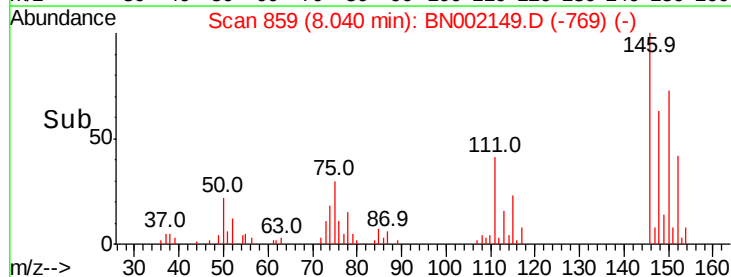
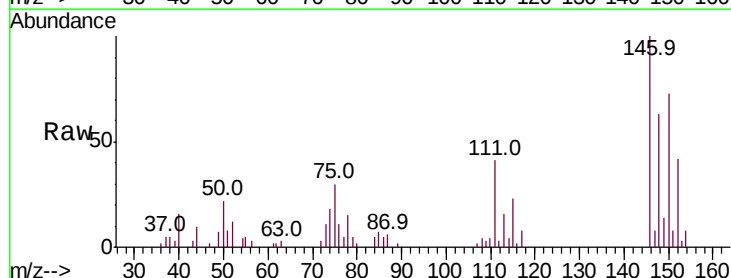
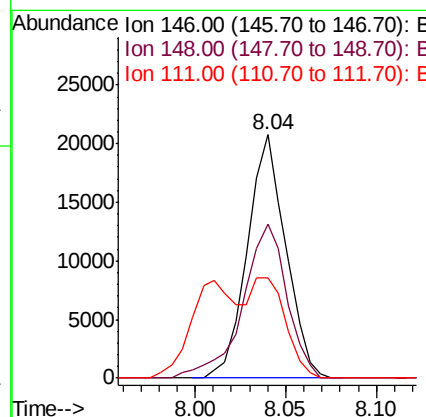
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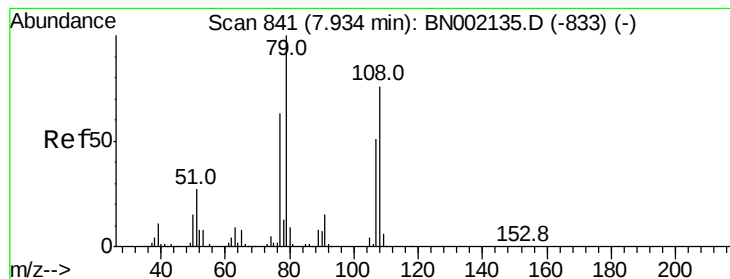
Sohil
 7/27/2018 11:35:43 AM



#14
 1,2-Dichlorobenzene
 Concen: 1.778 ng
 RT: 8.04 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	49.3	73.9
111	41.4	34.3	51.5





#15

Benzyl Alcohol

Concen: 1.225 ng

RT: 7.93 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

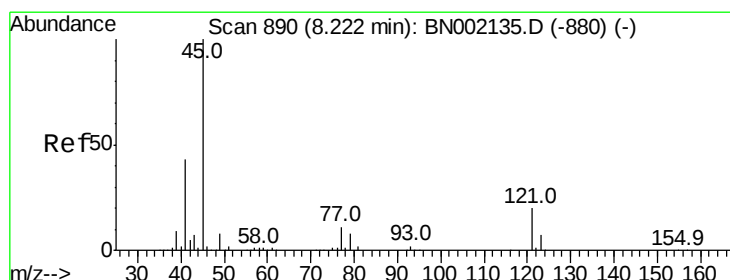
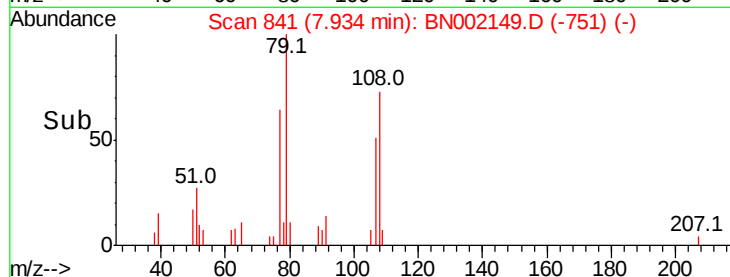
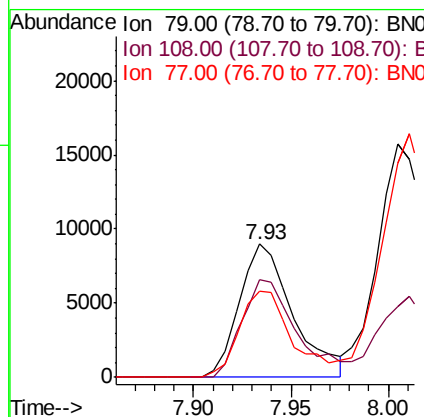
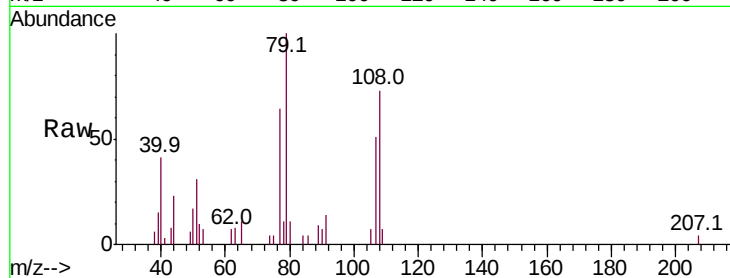
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.2	57.2	85.8
77	64.5	46.1	69.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 1.867 ng

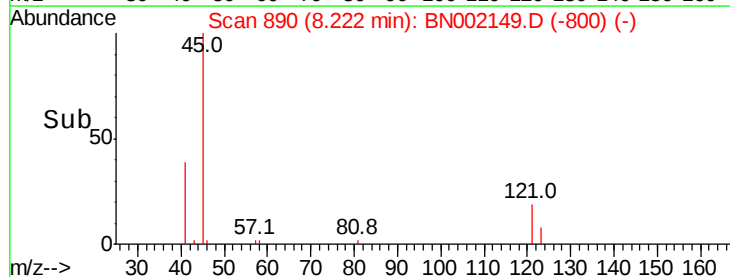
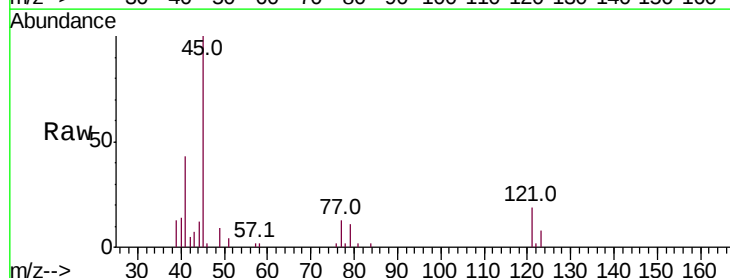
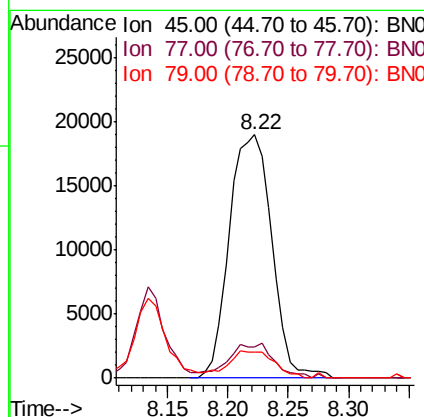
RT: 8.22 min Scan# 890

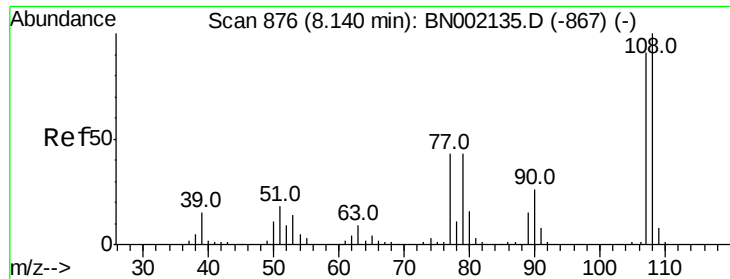
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	30.2
79	10.8	0.0	27.9





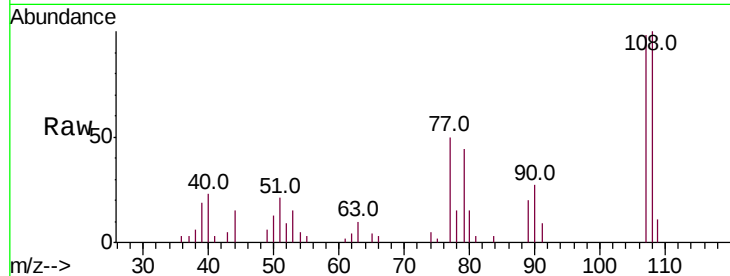
#17
2-Methylphenol
Concen: 1.763 ng
RT: 8.13 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion:	107	Resp:	22744
Ion	Ratio	Lower	Upper
107	100		
108	102.3	83.9	125.9
77	51.5	37.2	55.8
79	45.2	36.2	54.2

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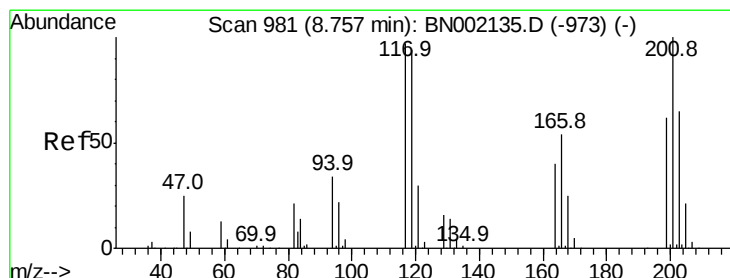
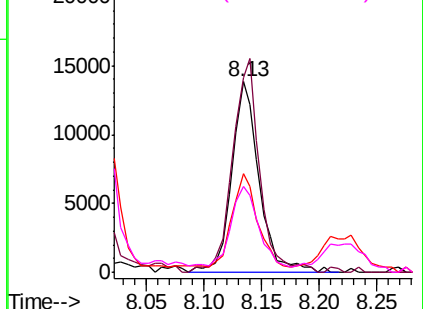
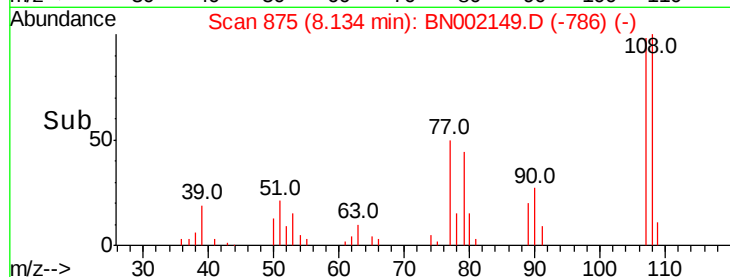
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

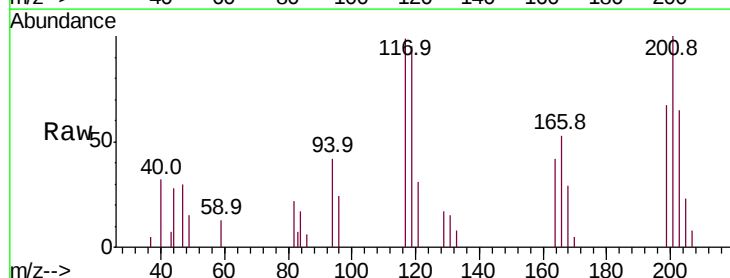
Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18
Hexachloroethane
Concen: 1.766 ng
RT: 8.76 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion:	117	Resp:	11479
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.7	115.1
201	101.4	95.7	143.5

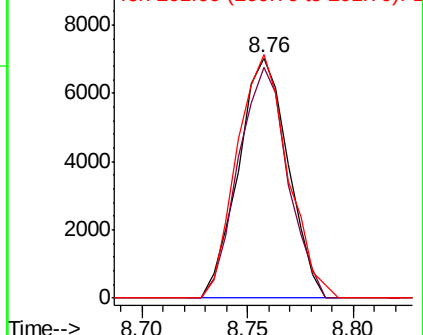
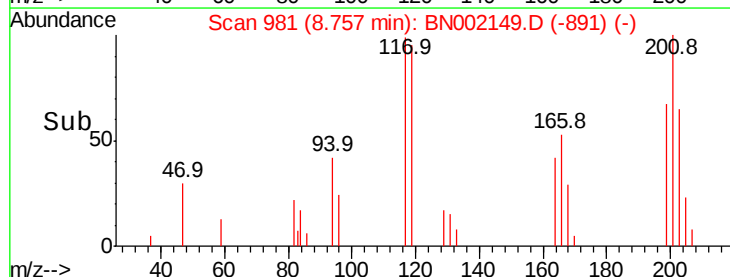


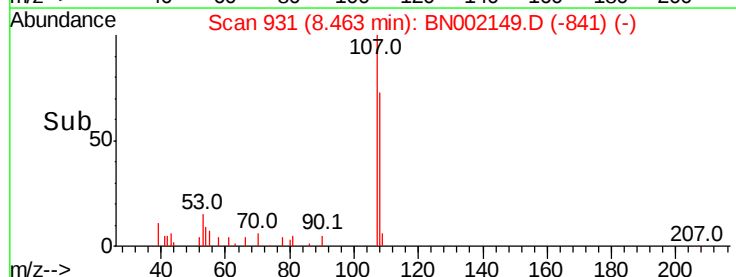
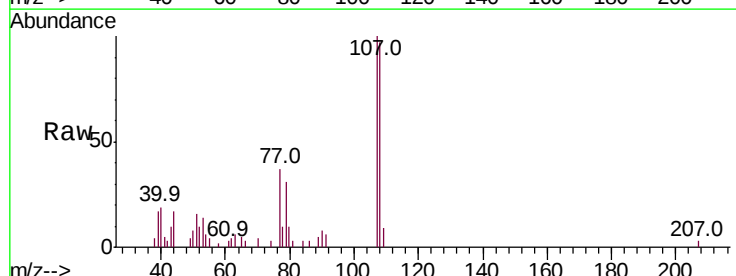
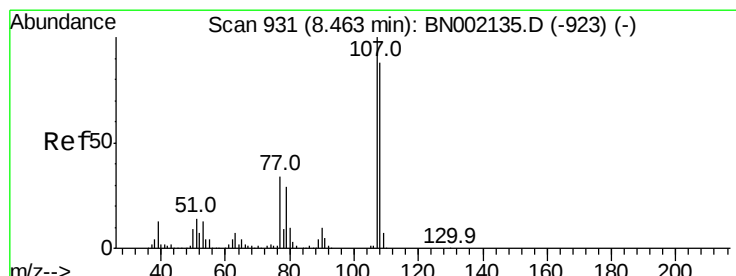
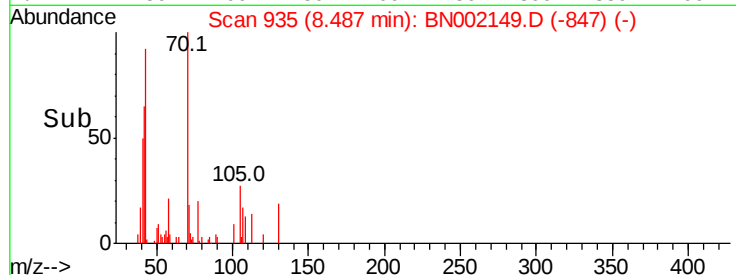
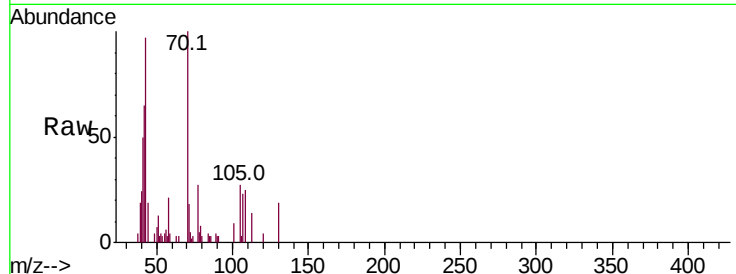
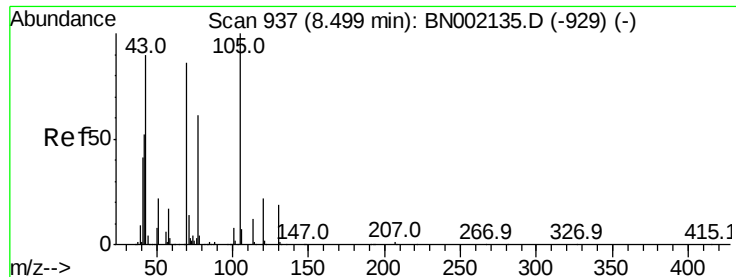
Abundance

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: 1.634 ng

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BN002149.D

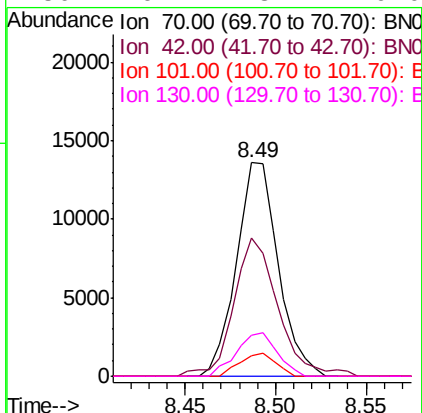
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	64.9	49.1	73.7
101	9.5	8.5	12.7
130	19.1	13.4	20.0

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#20

3+4-Methylphenols

Concen: 1.610 ng

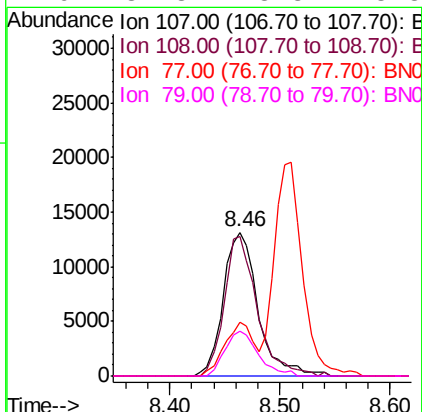
RT: 8.46 min Scan# 931

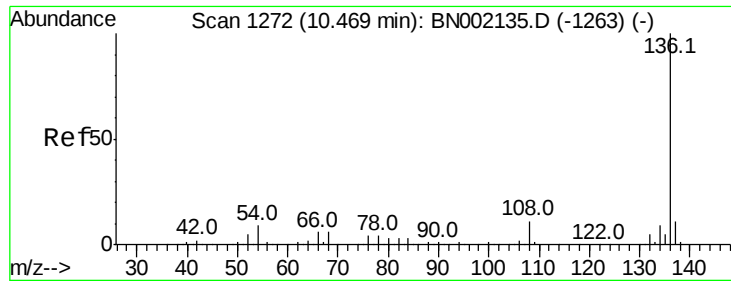
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.4	61.6	101.6
77	37.1	13.9	53.9
79	31.3	8.8	48.8





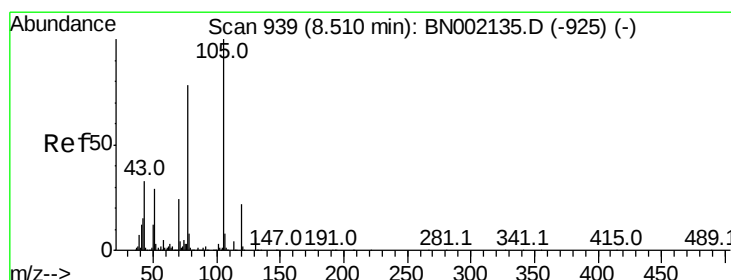
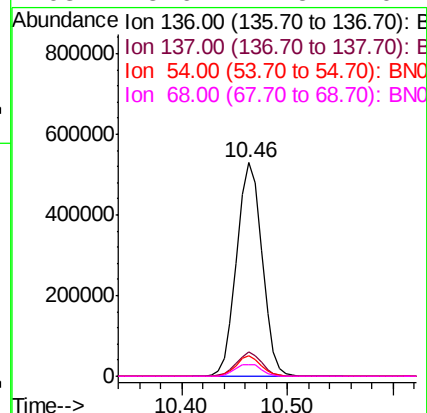
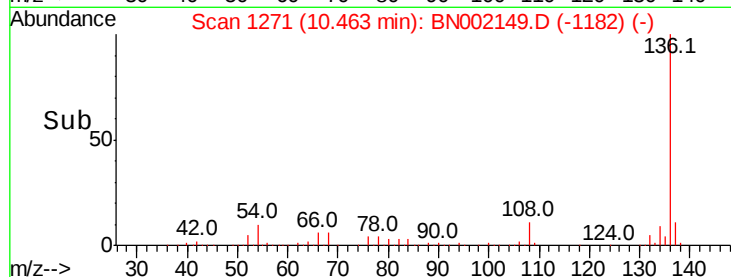
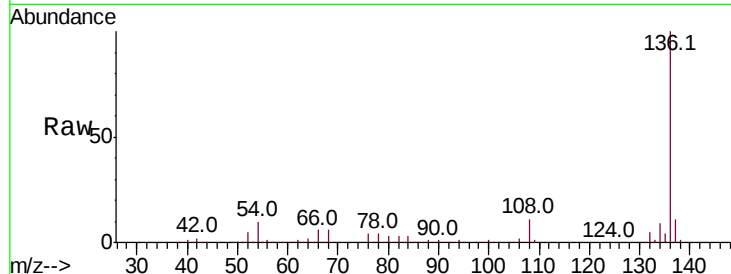
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.2	13.8	
54	9.5	10.3	15.5	
68	5.6	4.5	6.7	

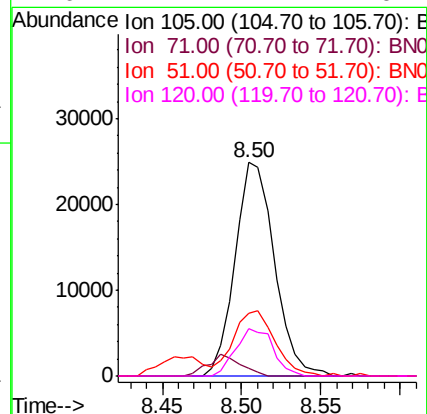
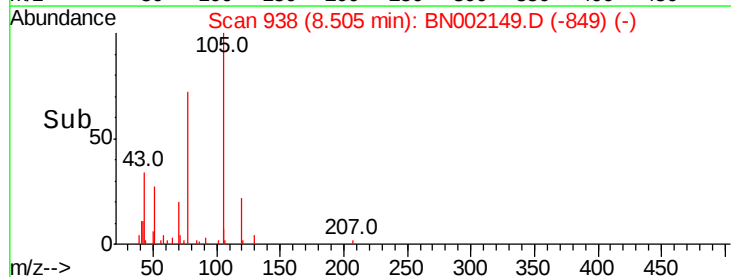
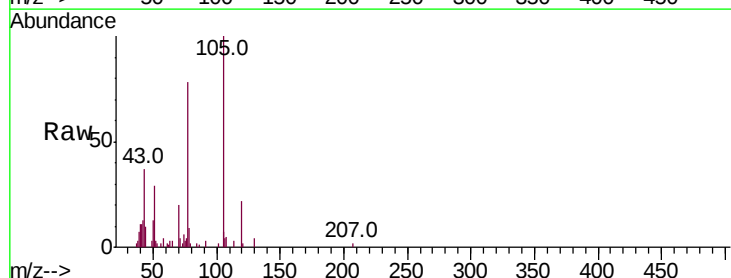
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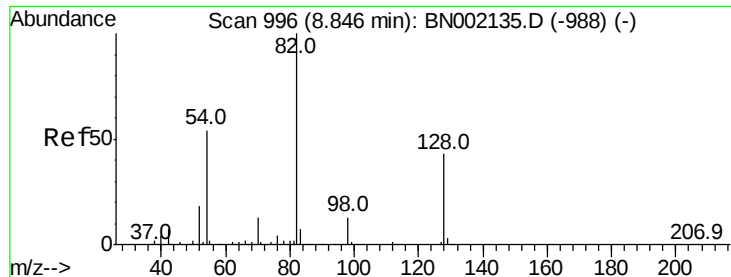
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#22
Acetophenone
Concen: 1.891 ng
RT: 8.50 min Scan# 938
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.8	3.0	4.4	
51	29.5	26.1	39.1	
120	22.4	17.4	26.2	





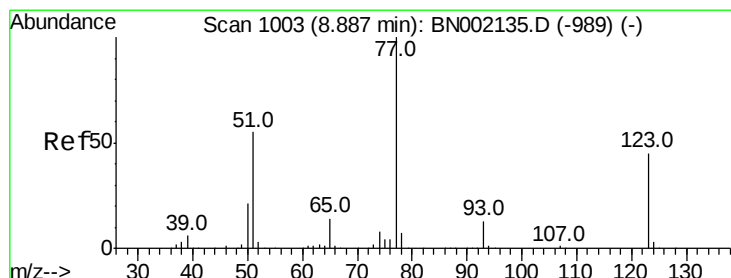
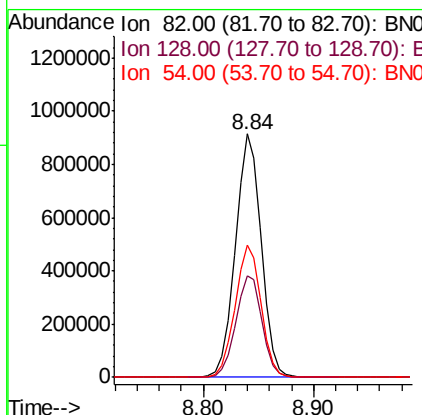
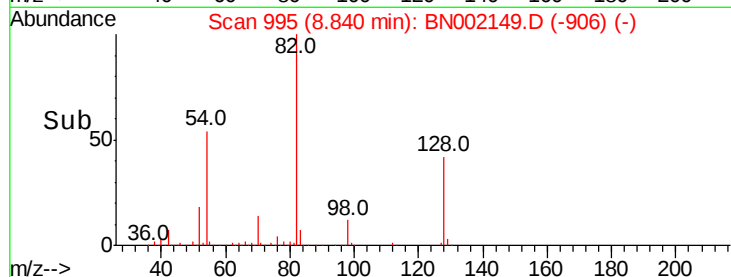
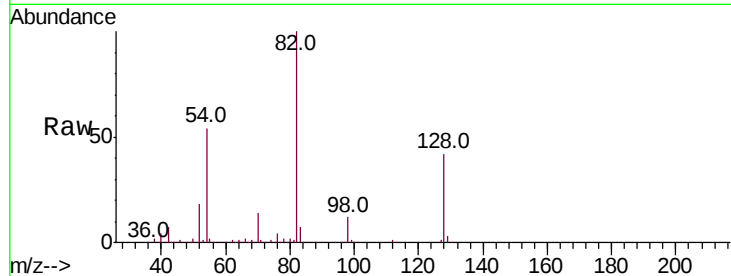
#23
Nitrobenzene-d5
Concen: 87.600 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion: 82 Resp: 1498790
Ion Ratio Lower Upper
82 100
128 41.6 29.7 44.5
54 54.1 43.1 64.7

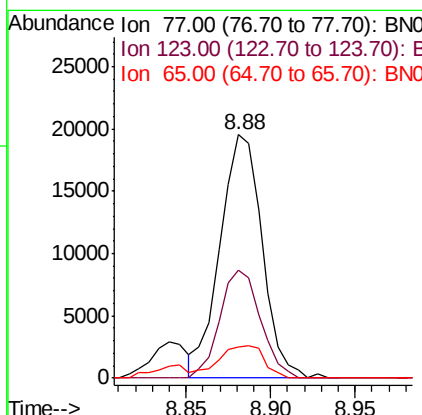
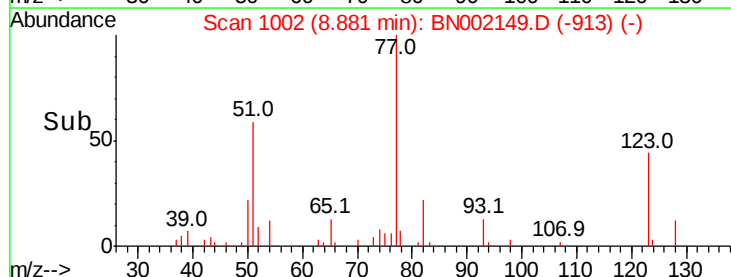
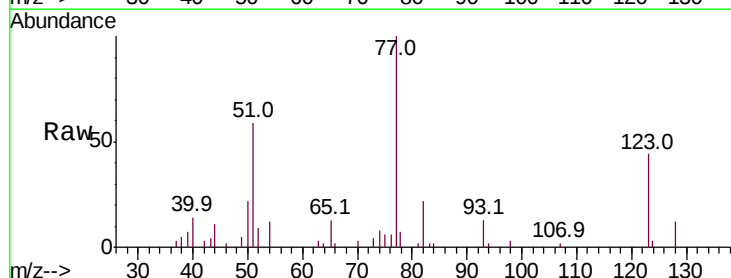
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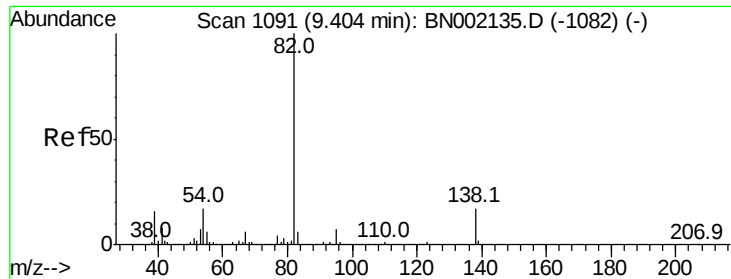
Sohil
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#24
Nitrobenzene
Concen: 1.912 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion: 77 Resp: 33901
Ion Ratio Lower Upper
77 100
123 44.1 33.0 49.6
65 12.9 13.0 19.6#





#25

Isophorone

Concen: 1.991 ng

RT: 9.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

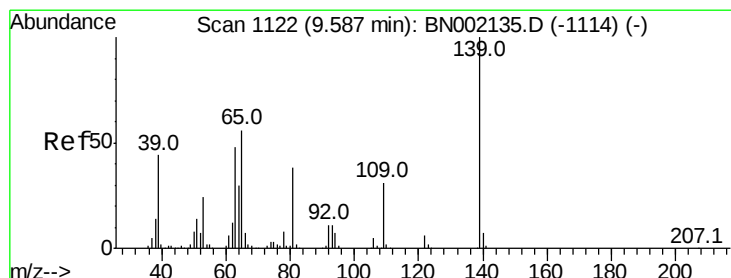
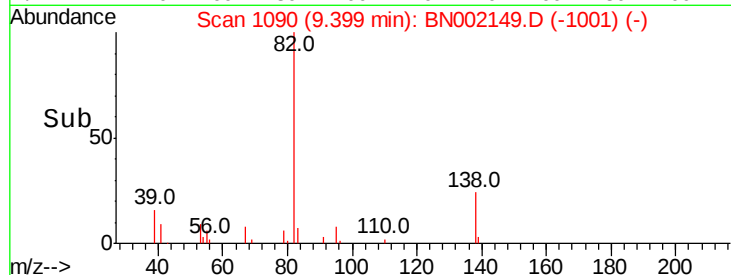
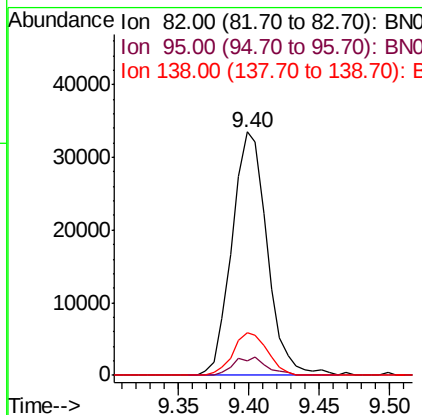
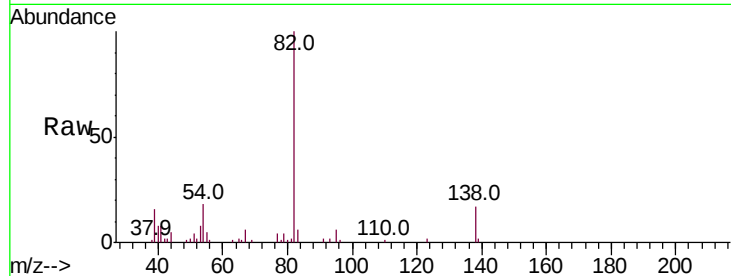
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	82	Resp	58480
Ion Ratio	Lower	Upper	
82	100		
95	5.9	6.2	9.2#
138	17.4	12.1	18.1

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#26

2-Nitrophenol

Concen: 1.416 ng

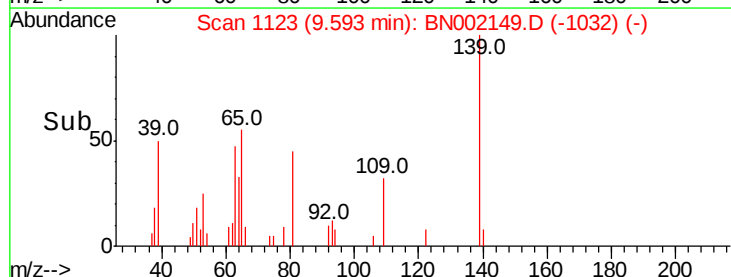
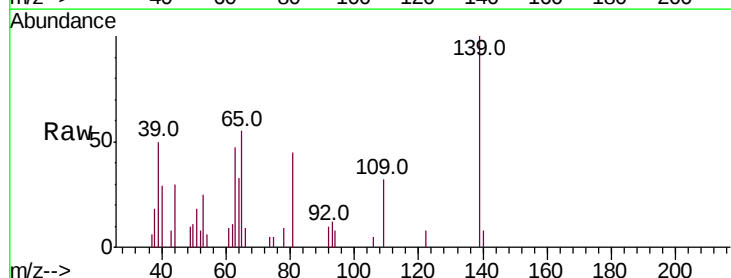
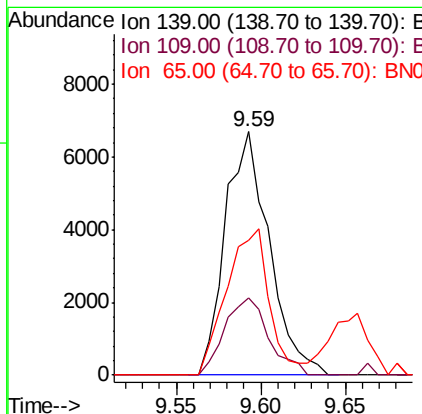
RT: 9.59 min Scan# 1123

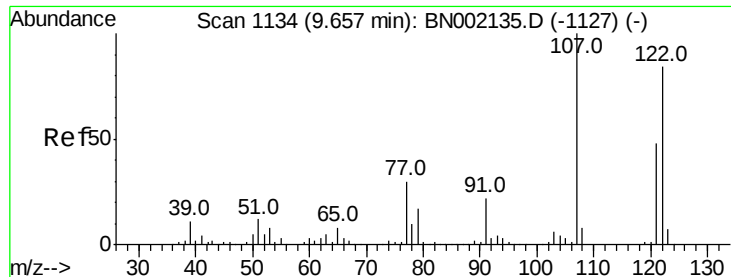
Delta R.T. 0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	139	Resp	12129
Ion Ratio	Lower	Upper	
139	100		
109	31.5	24.2	36.2
65	55.4	47.4	71.0





#27

2,4-Dimethylphenol

Concen: 1.986 ng

RT: 9.65 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

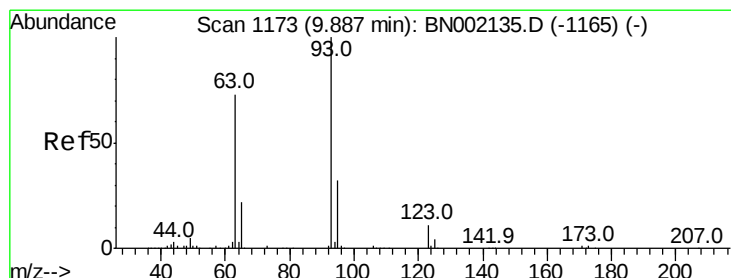
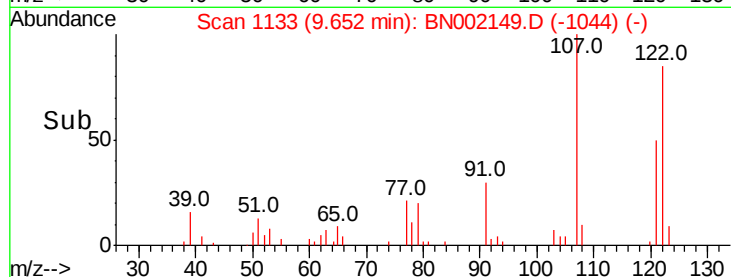
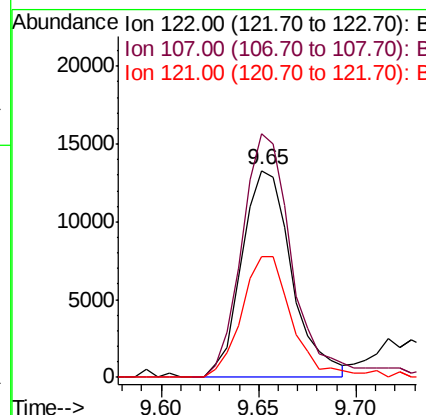
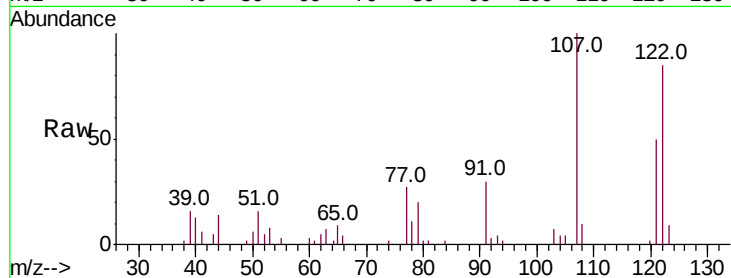
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		23659		
107	117.6	100.2	150.2		
121	58.6	44.4	66.6		

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#28

bis(2-Chloroethoxy)methane

Concen: 1.908 ng

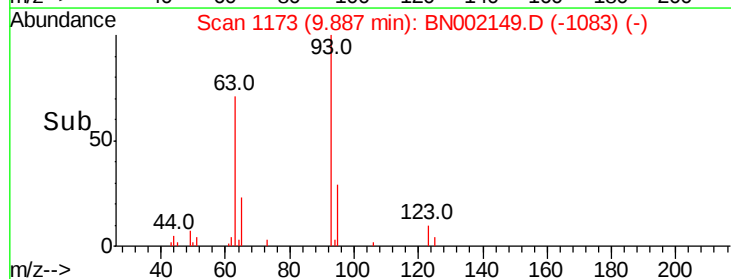
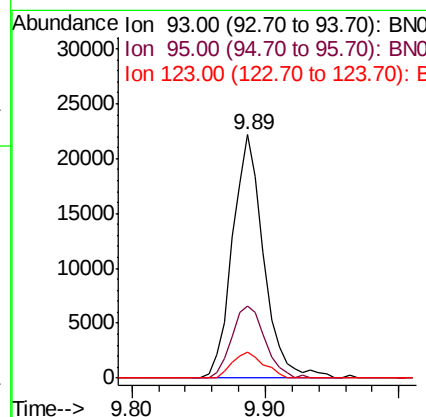
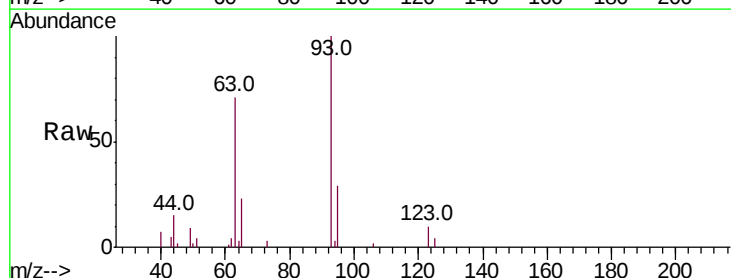
RT: 9.89 min Scan# 1173

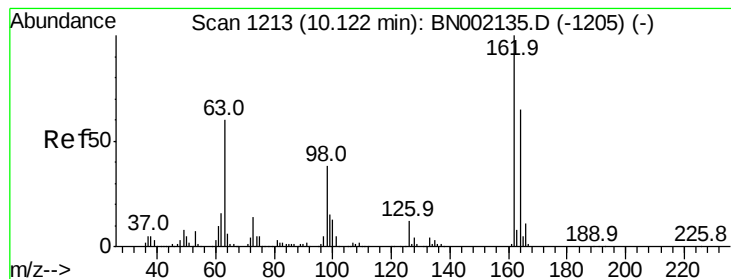
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		36212		
95	29.4	24.3	36.5		
123	10.5	8.4	12.6		





#29

2,4-Dichlorophenol

Concen: 1.633 ng

RT: 10.13 min Scan# 1214

Delta R.T. 0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

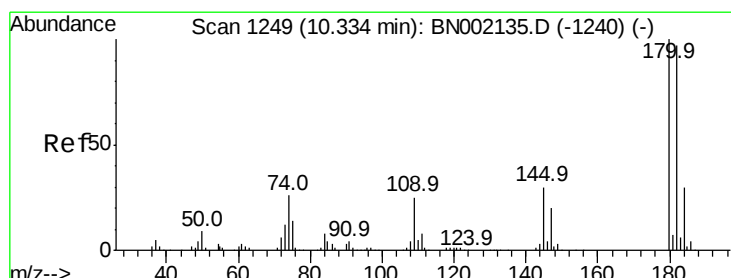
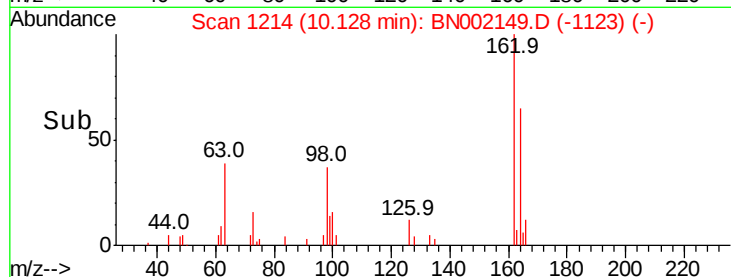
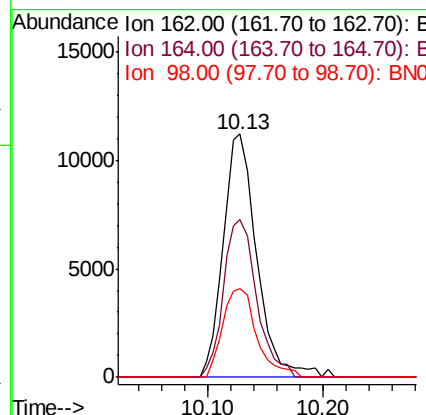
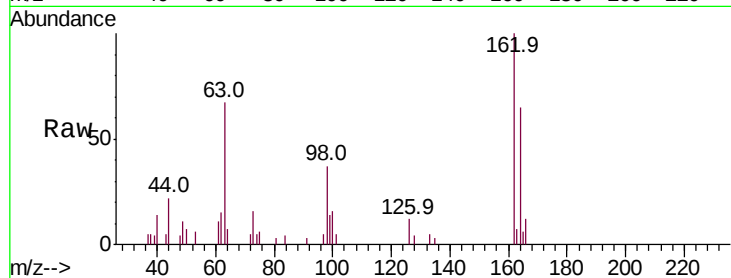
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	162	Resp:	22691
Ion Ratio	Lower	Upper	
162	100		
164	65.0	48.0	88.0
98	36.5	21.1	61.1

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#30

1,2,4-Trichlorobenzene

Concen: 1.825 ng

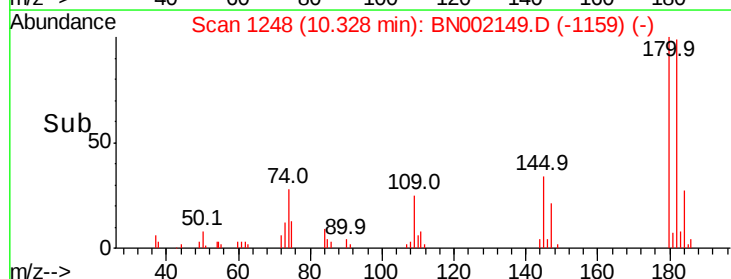
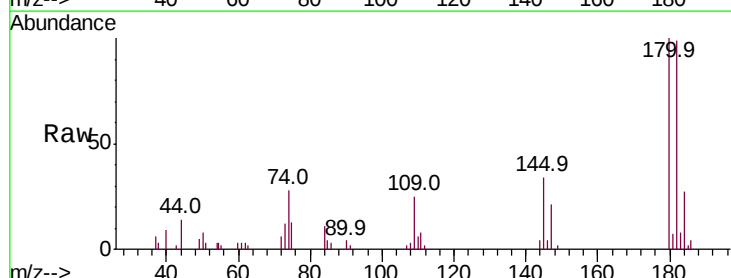
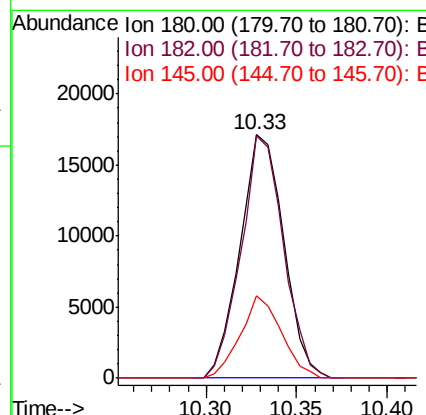
RT: 10.33 min Scan# 1248

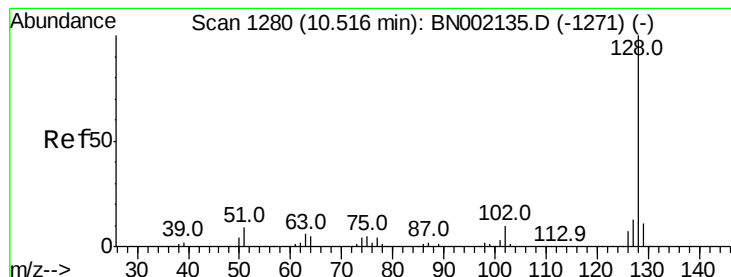
Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion:	180	Resp:	28716
Ion Ratio	Lower	Upper	
180	100		
182	99.3	77.5	116.3
145	33.7	23.4	35.2





#31

Naphthalene

Concen: 2.063 ng

RT: 10.51 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

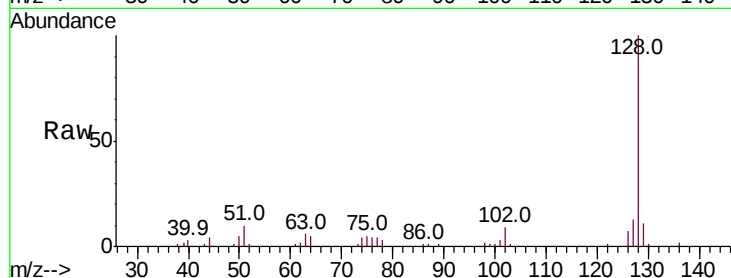
ClientSampleId :

MDL-SOIL-03-QT3-2018

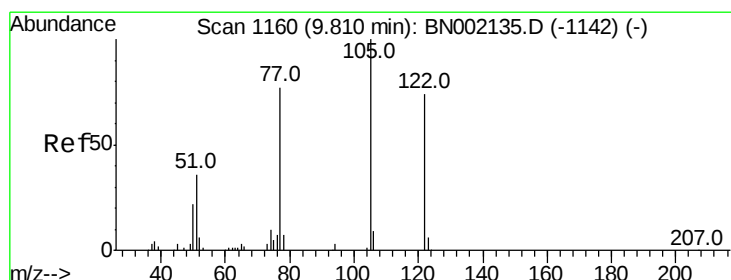
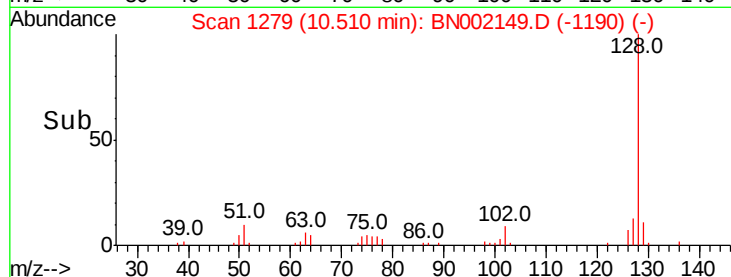
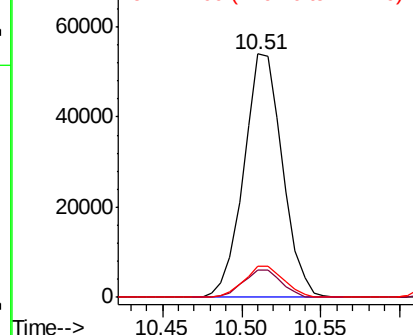
Tot Ion:	128	Resp:	91364
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.7	11.6	17.4

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.684 ng m

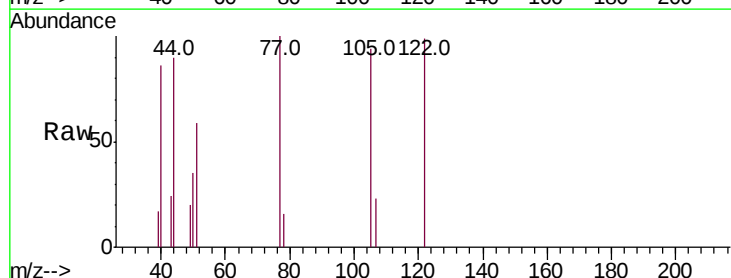
RT: 9.72 min Scan# 1144

Delta R.T. -0.09 min

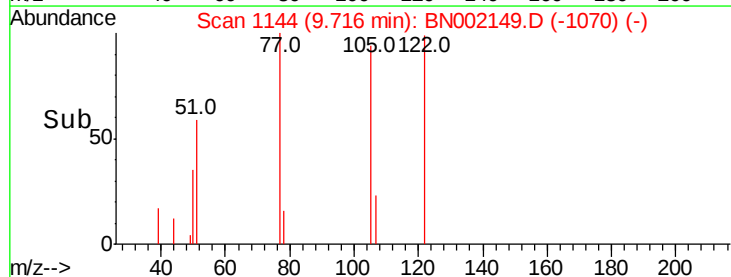
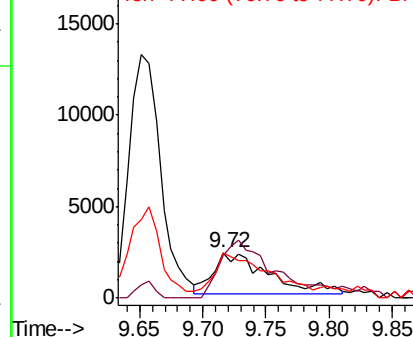
Lab File: BN002149.D

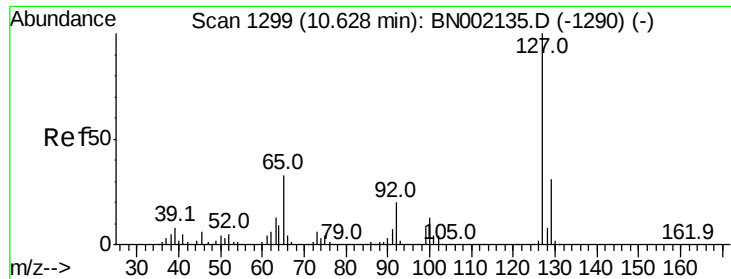
Acq: 25 Jul 2018 23:01

Tgt Ion:	122	Resp:	6918
Ion Ratio	Lower	Upper	
122	100		
105	95.0	123.5	163.5#
77	101.1	85.7	125.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNC





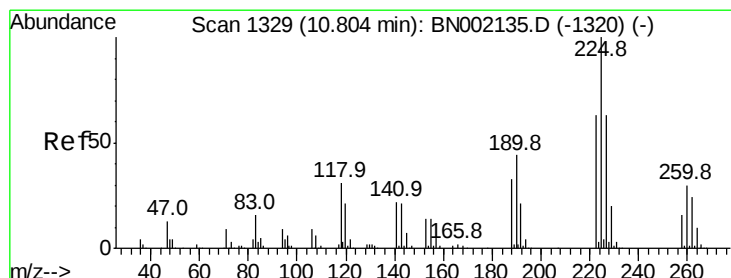
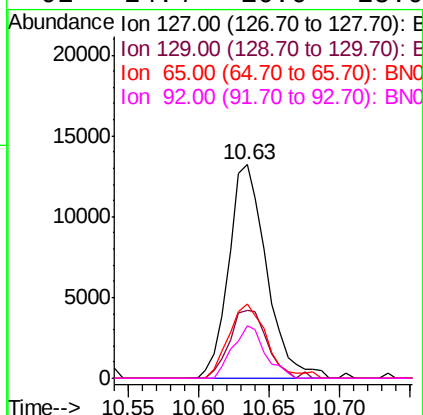
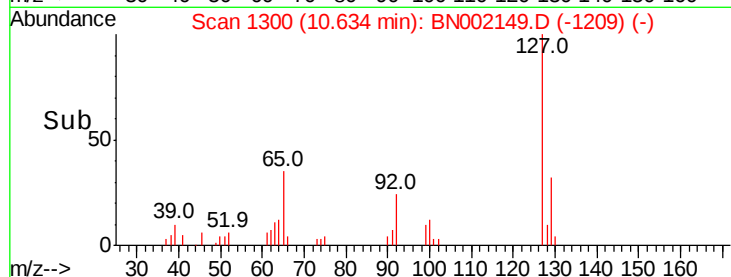
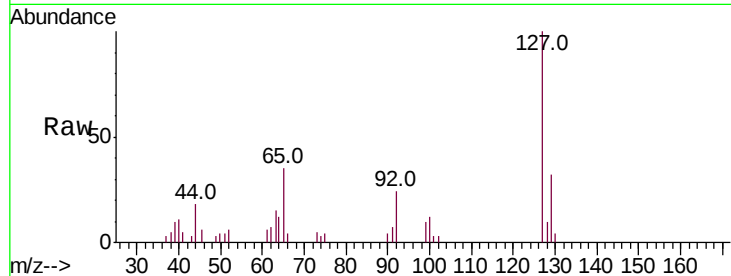
#33
4-Chloroaniline
Concen: 1.253 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.0	36.0
65	34.7	27.0	40.4
92	24.4	16.6	25.0

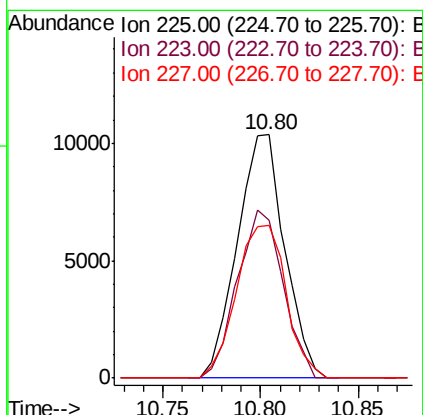
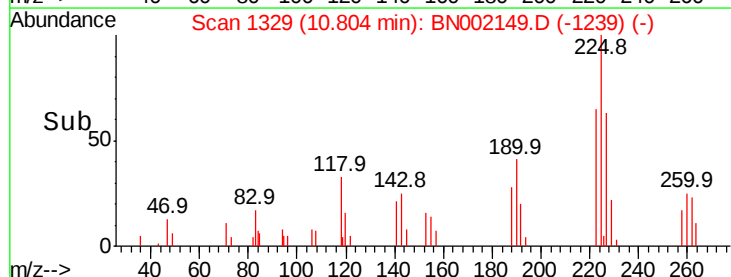
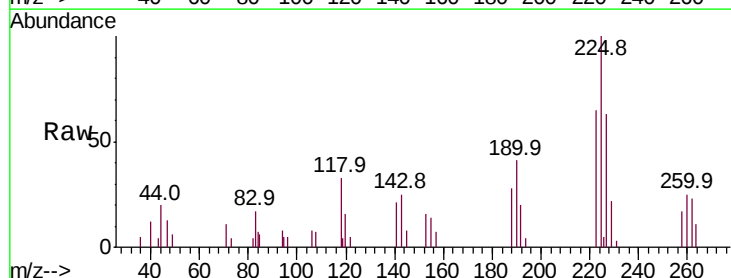
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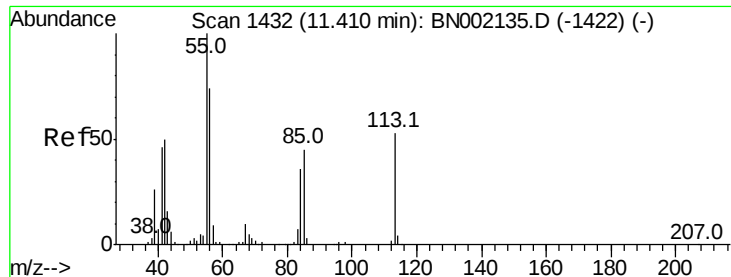
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#34
Hexachlorobutadiene
Concen: 1.808 ng
RT: 10.80 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.7	74.5
227	62.6	48.1	72.1





#35

Caprolactam

Concen: 1.277 ng

RT: 11.38 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

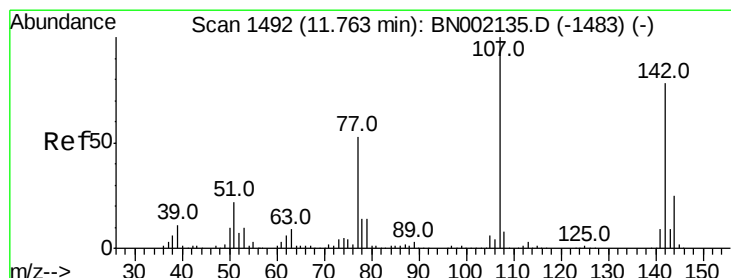
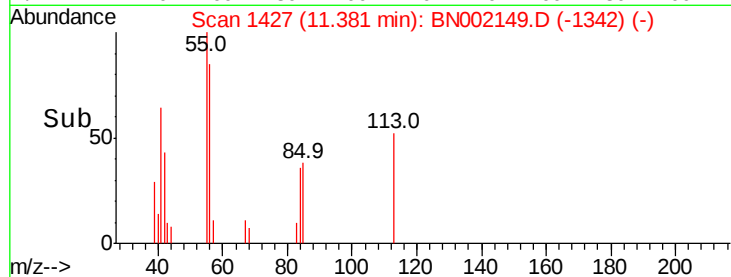
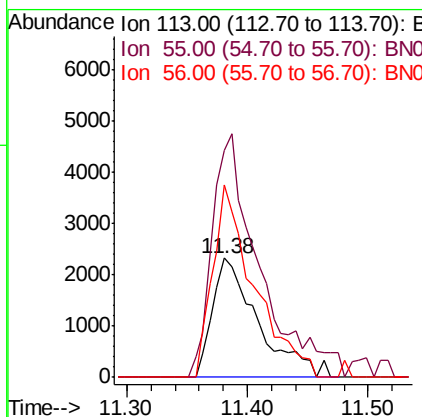
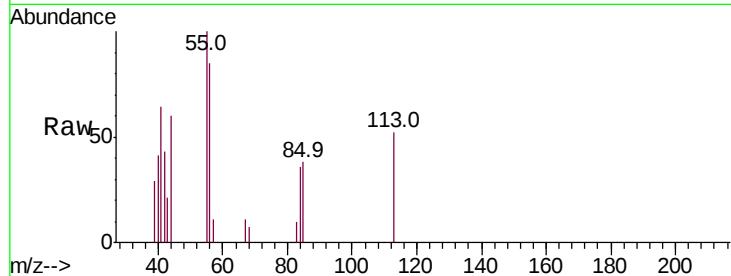
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	113	Resp:	6055
Ion Ratio	Lower	Upper	
113	100		
55	190.8	120.0	160.0#
56	161.3	90.0	130.0#

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#36

4-Chloro-3-methylphenol

Concen: 1.656 ng

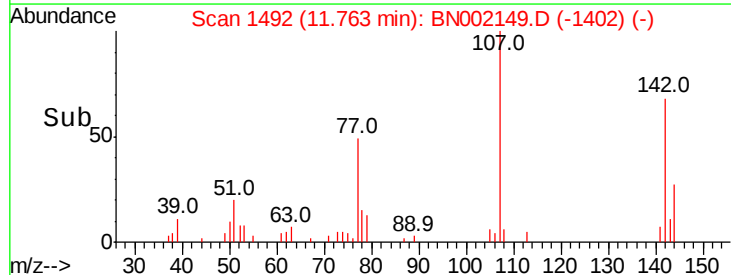
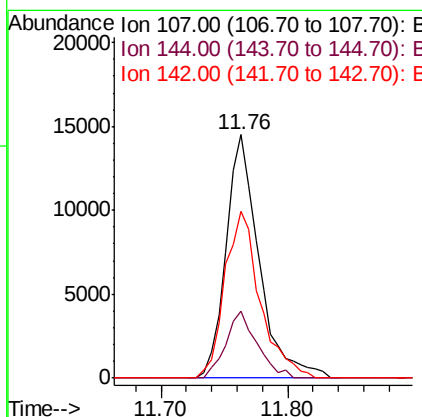
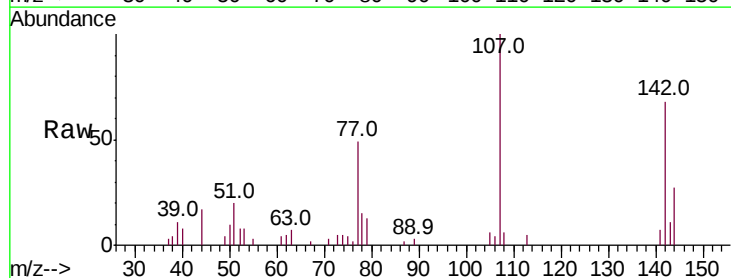
RT: 11.76 min Scan# 1492

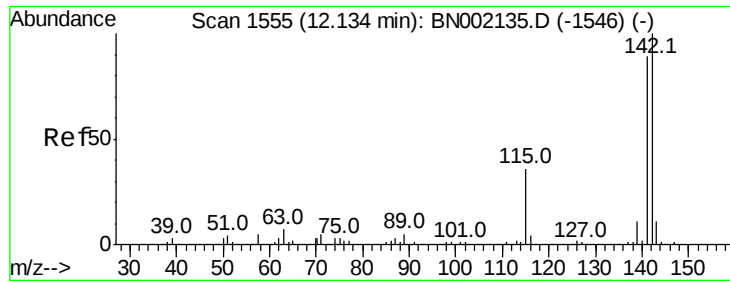
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion:	107	Resp:	26161
Ion Ratio	Lower	Upper	
107	100		
144	27.4	18.2	27.4#
142	68.5	59.0	88.4





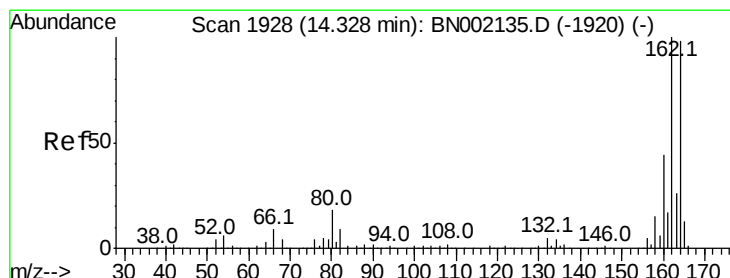
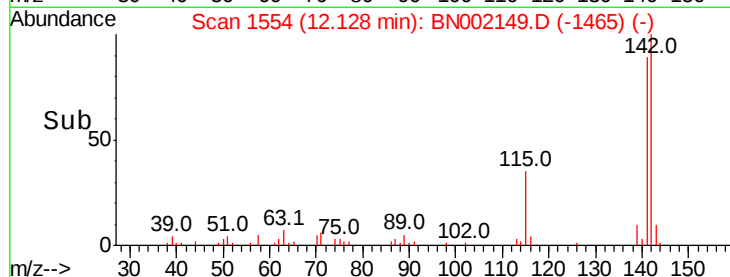
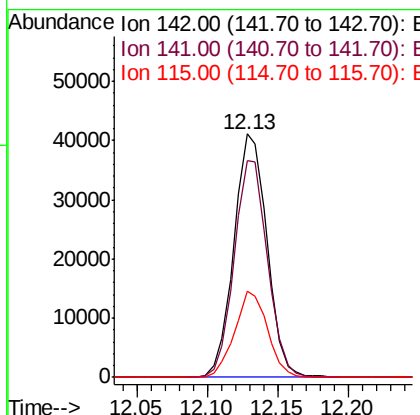
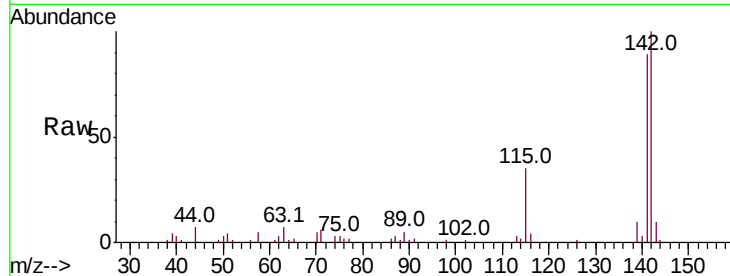
#37
2-Methylnaphthalene
Concen: 2.157 ng
RT: 12.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	67.1	100.7
115	35.1	30.7	46.1

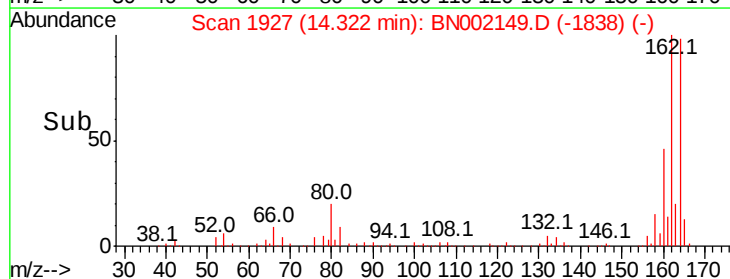
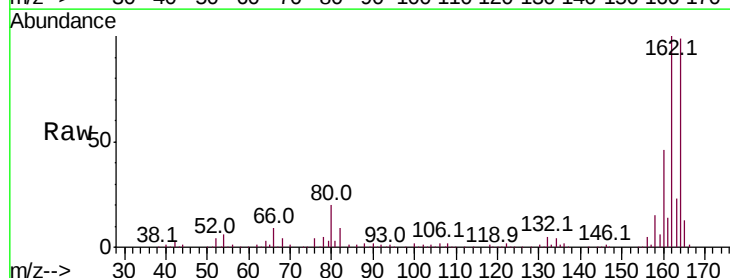
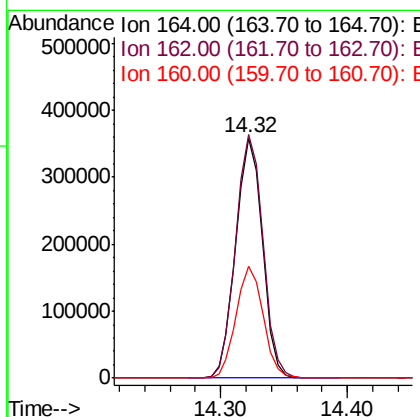
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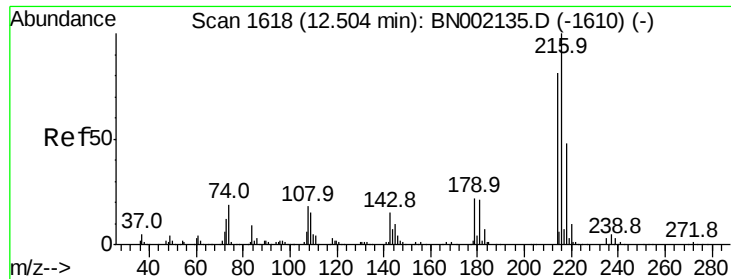
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	46.4	35.4	53.0





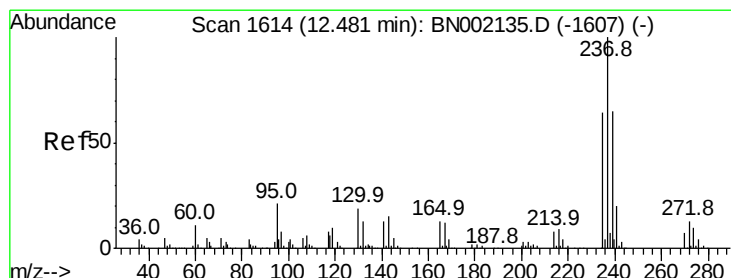
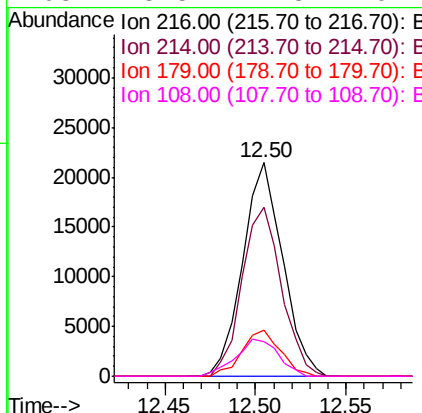
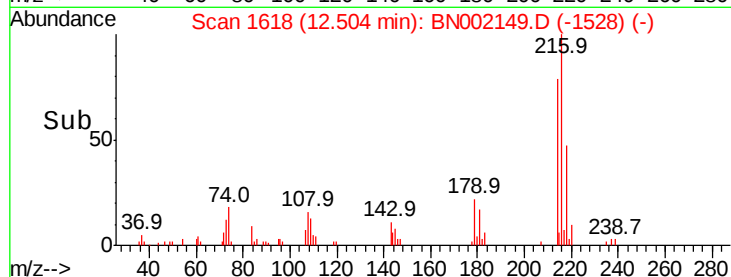
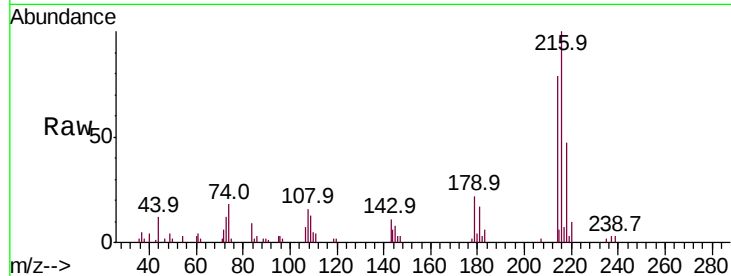
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.876 ng
 RT: 12.50 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	20.7	17.0	25.6
108	18.5	12.8	19.2

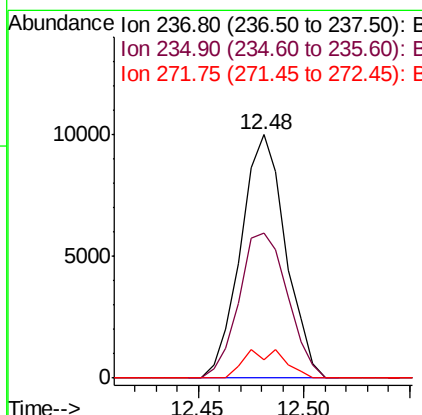
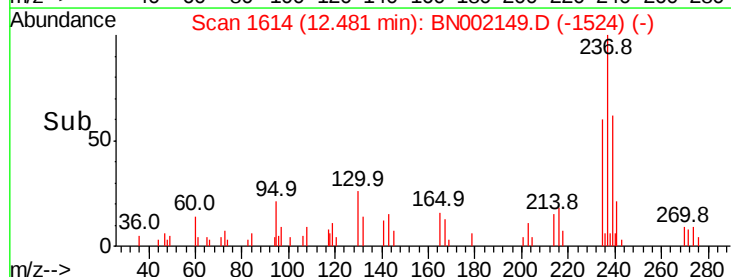
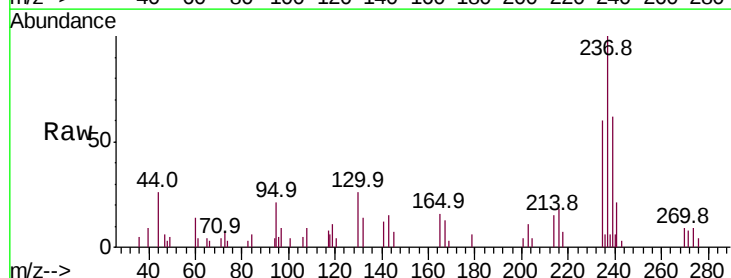
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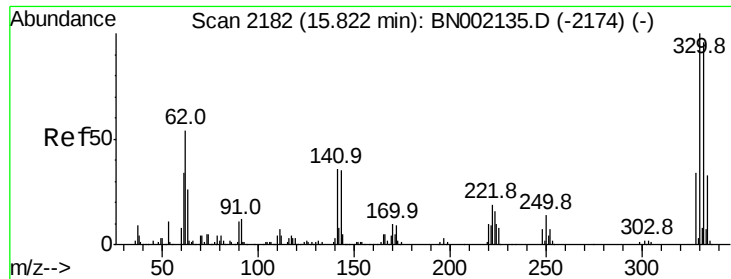
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#40
 Hexachlorocyclopentadiene
 Concen: 1.495 ng
 RT: 12.48 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.8	50.4	90.4
272	7.5	0.0	31.8





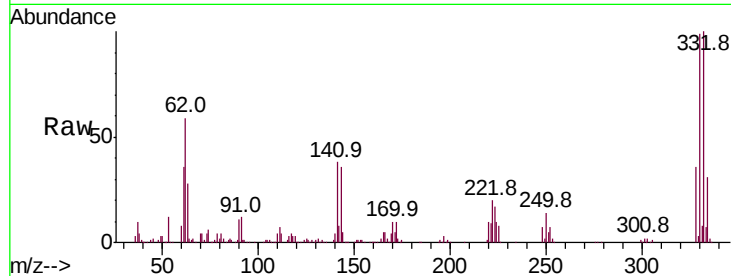
#41
 2,4,6-Tribromophenol
 Concen: 124.553 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.3	77.0	115.6	
141	37.8	25.2	37.8	

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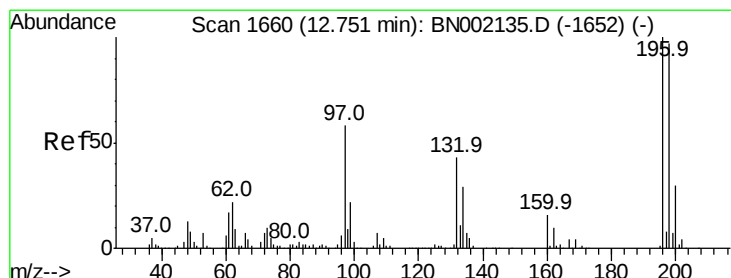
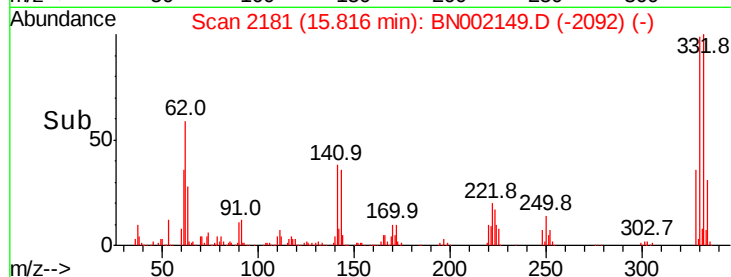
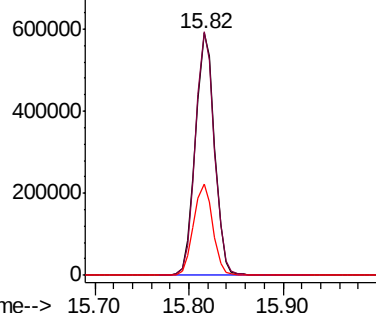


Abundance

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: 1.595 ng
 RT: 12.75 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

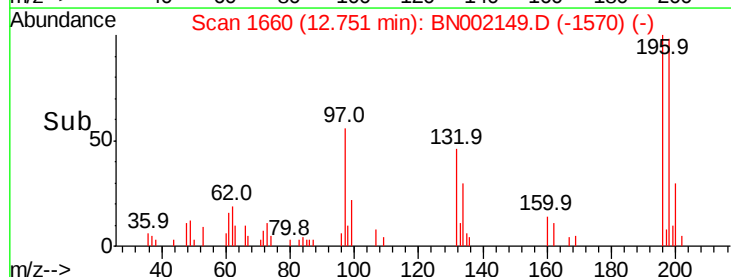
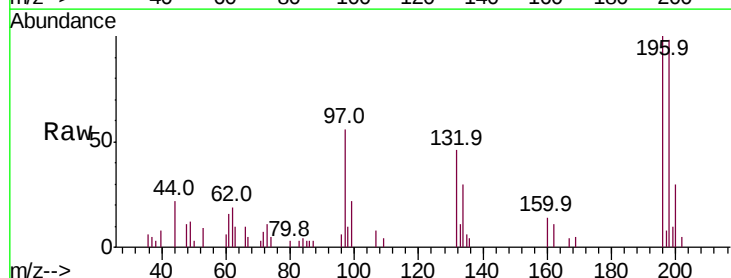
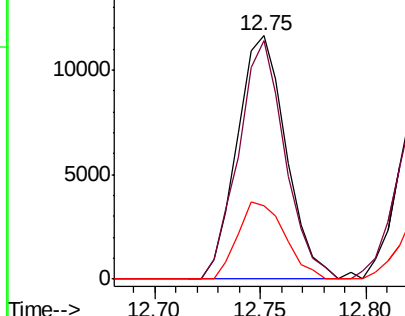
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	97.9	78.2	117.2	
200	30.3	24.6	36.8	

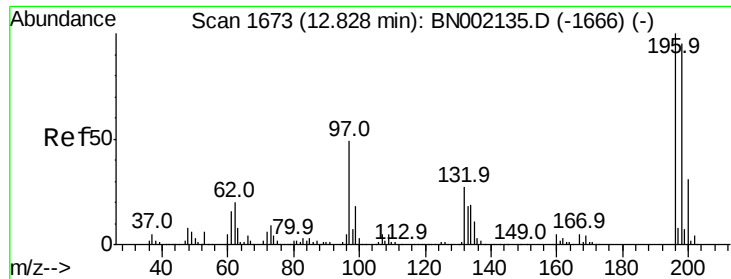
Abundance

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





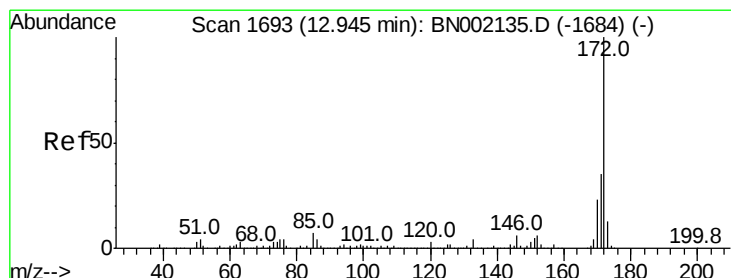
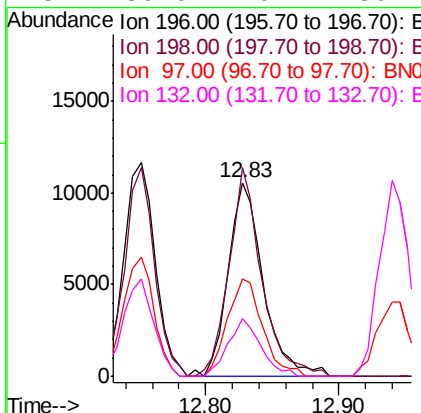
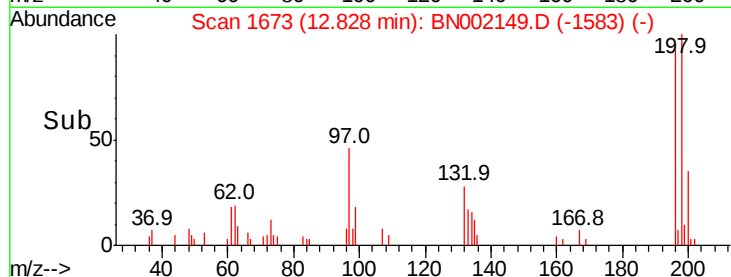
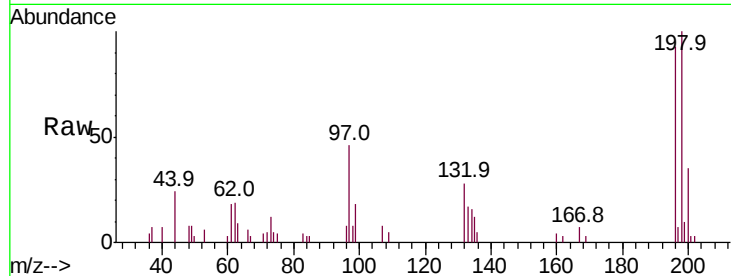
#43
 2,4,5-Trichlorophenol
 Concen: 1.553 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	107.8	76.2	114.4
97	50.0	38.7	58.1
132	30.0	20.2	30.2

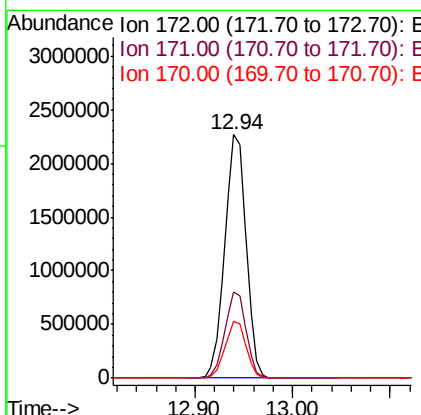
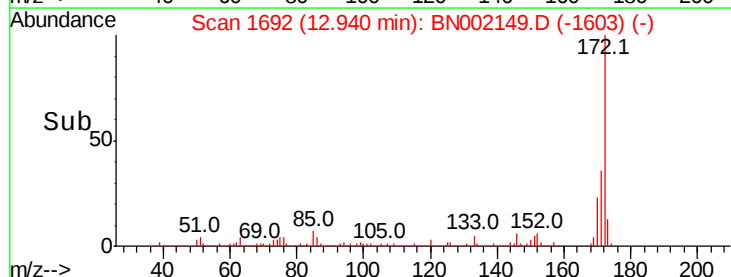
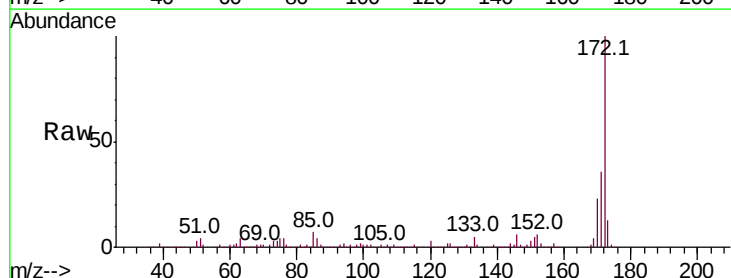
Manual Integrations
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#44
 2-Fluorobiphenyl
 Concen: 85.982 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	23.2	19.5	29.3





#45

1,1'-Biphenyl

Concen: 1.989 ng

RT: 13.15 min Scan# 1728

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

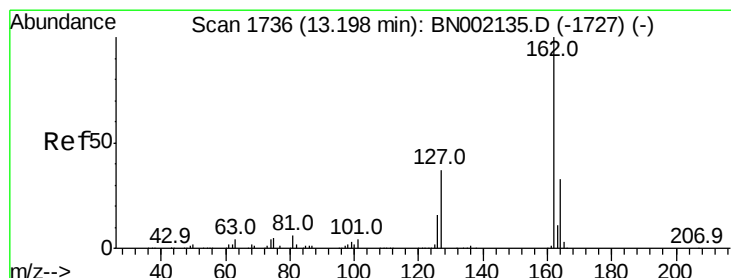
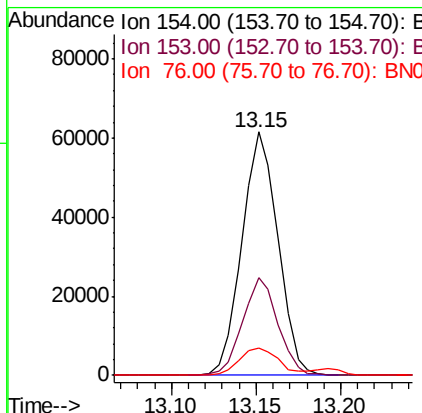
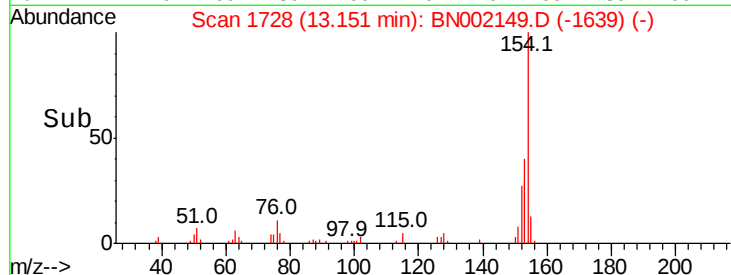
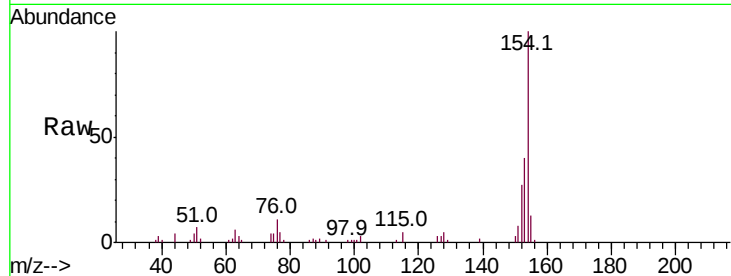
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	91220
Ion Ratio	Lower	Upper	
154	100		
153	40.0	19.8	59.8
76	11.3	0.0	31.9

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#46

2-Chloronaphthalene

Concen: 1.893 ng

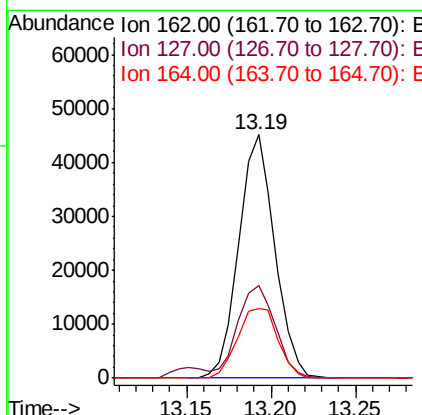
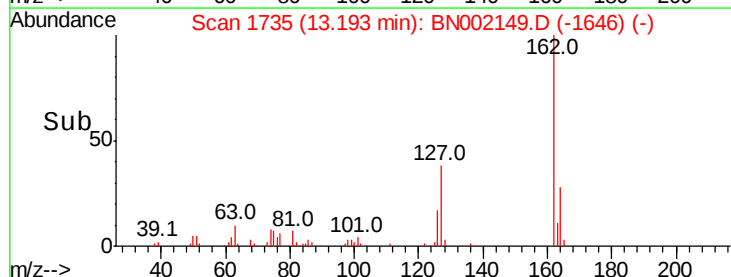
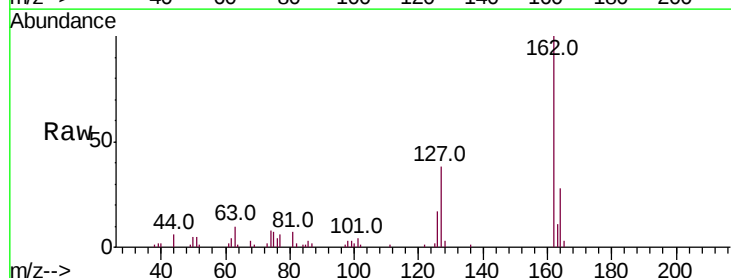
RT: 13.19 min Scan# 1735

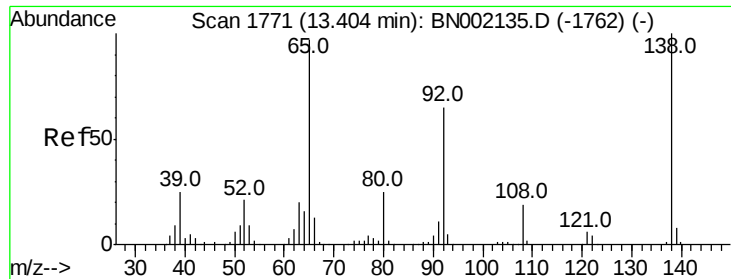
Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion:	162	Resp:	67030
Ion Ratio	Lower	Upper	
162	100		
127	38.1	30.7	46.1
164	28.4	26.0	39.0





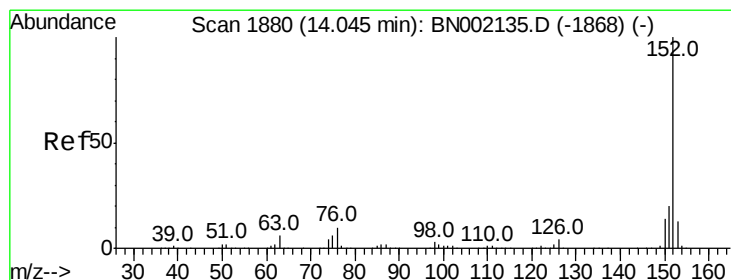
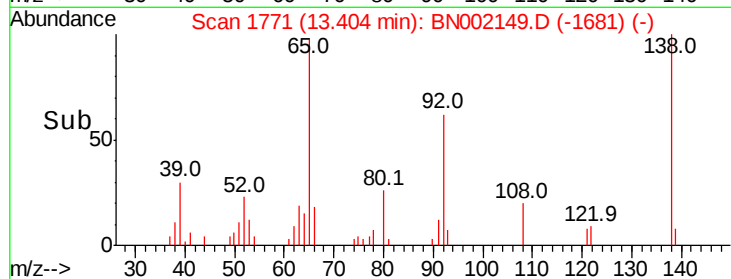
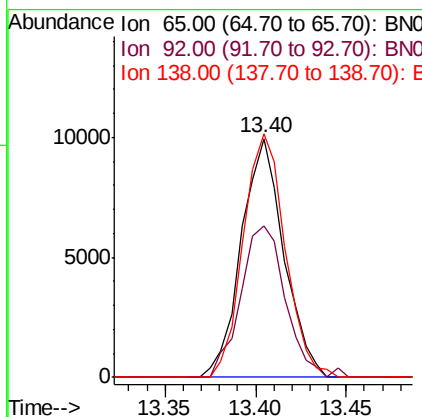
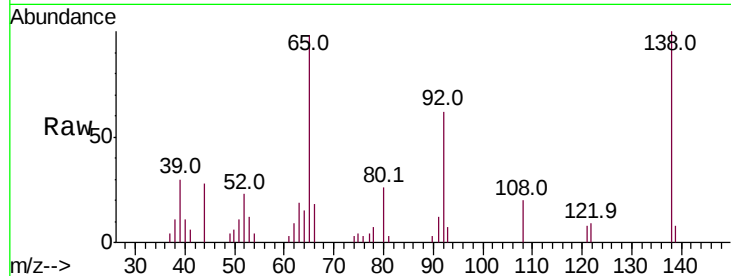
#47
 2-Nitroaniline
 Concen: 1.428 ng
 RT: 13.40 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.4	54.6	82.0
138	102.0	72.9	109.3

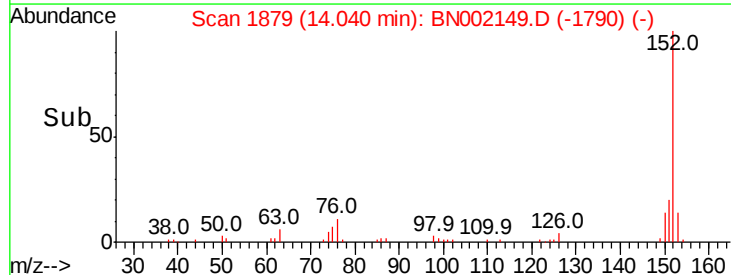
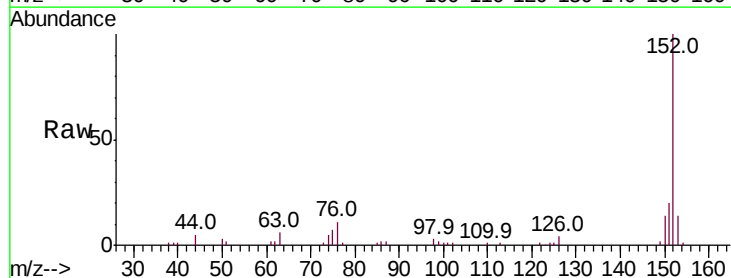
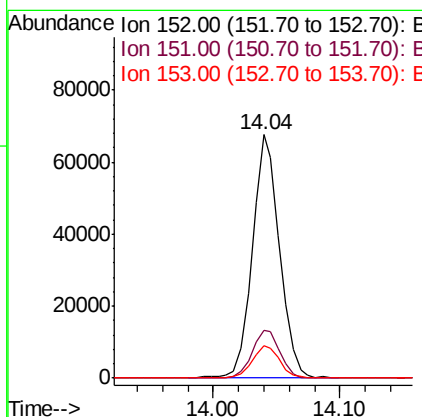
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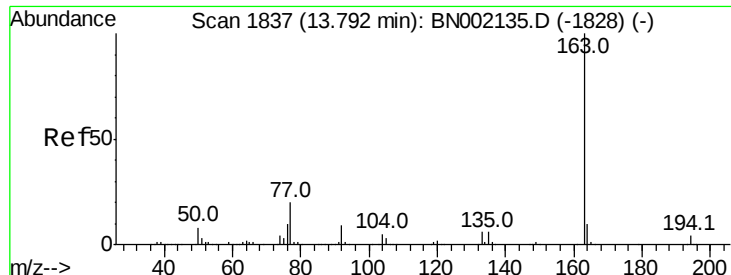
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#48
 Acenaphthylene
 Concen: 1.875 ng
 RT: 14.04 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.2	25.8
153	13.6	10.2	15.4





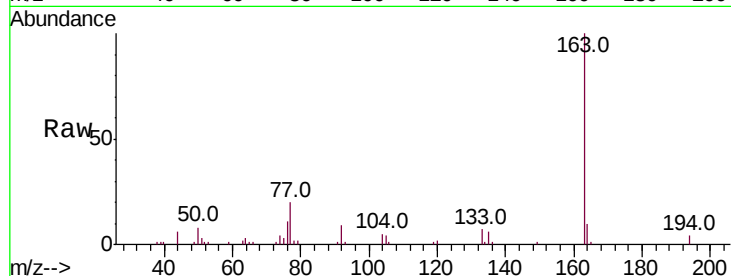
#49
Dimethylphthalate
Concen: 1.906 ng
RT: 13.78 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	10.4	8.2	12.4

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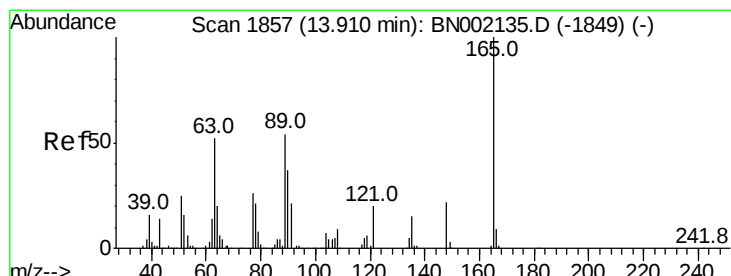
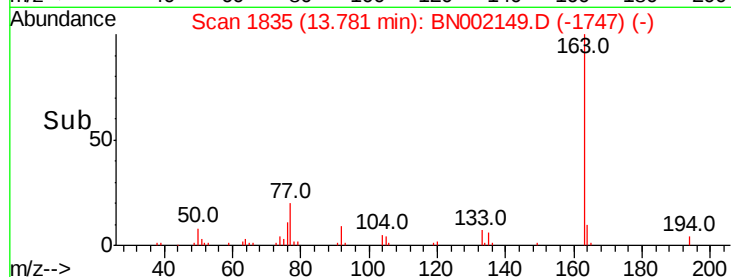
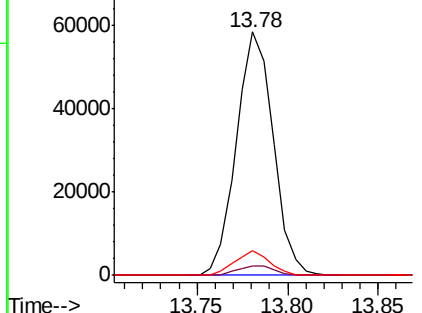


Abundance

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: 1.623 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

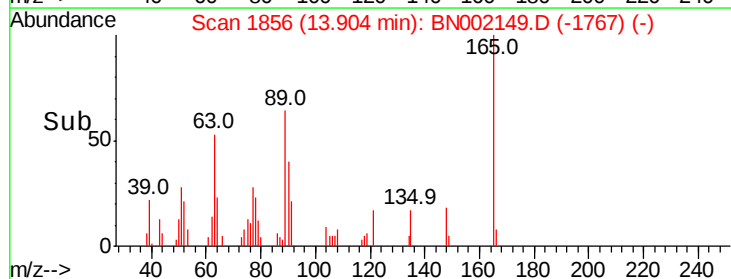
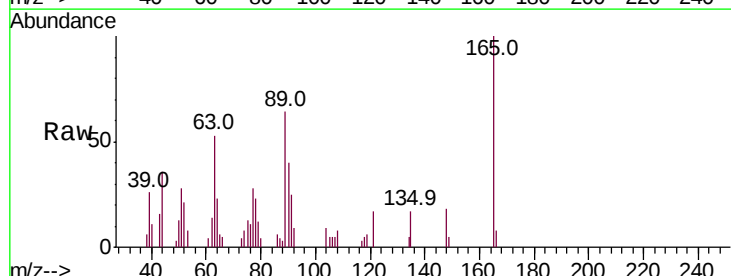
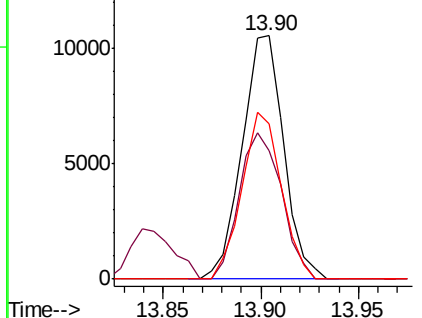
Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.7	52.7	79.1#
89	63.9	49.2	73.8

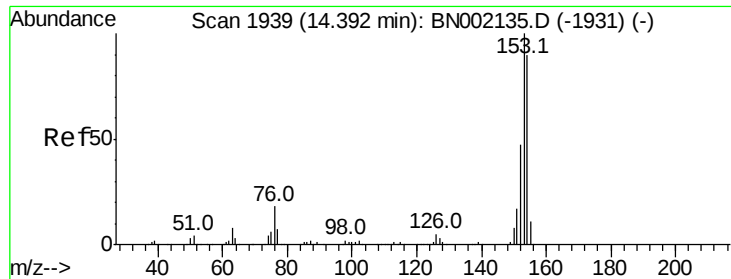
Abundance

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: 1.977 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

ClientSampleId :

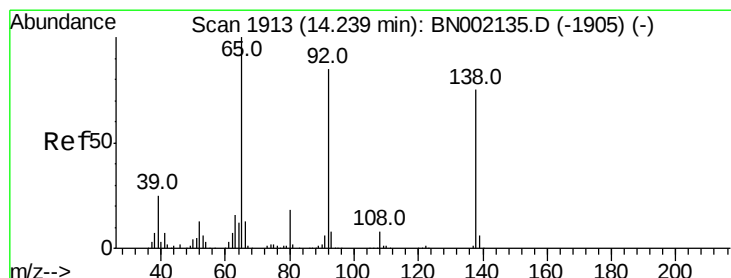
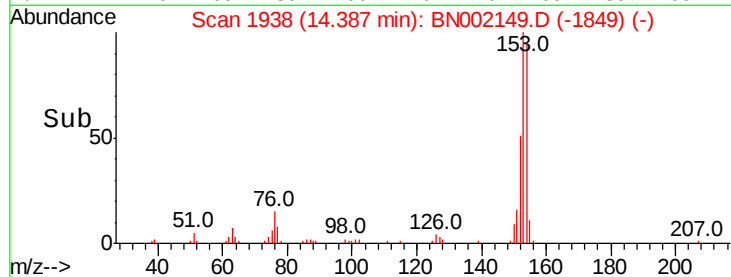
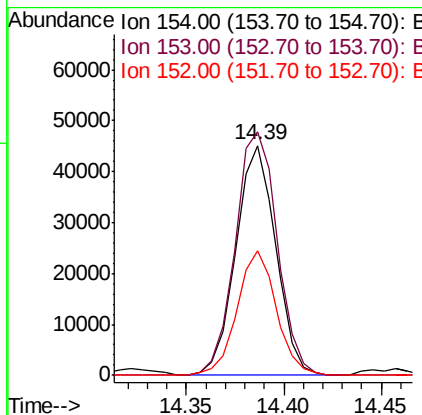
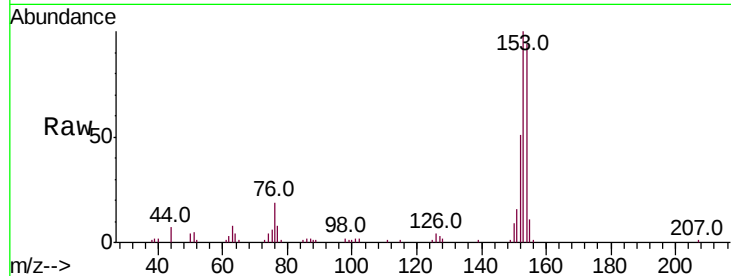
MDL-SOIL-03-QT3-2018

Tot Ion:154 Resp: 63991

Ion	Ratio	Lower	Upper
154	100		
153	105.9	90.4	135.6
152	54.1	41.6	62.4

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#52

3-Nitroaniline

Concen: 1.245 ng

RT: 14.23 min Scan# 1912

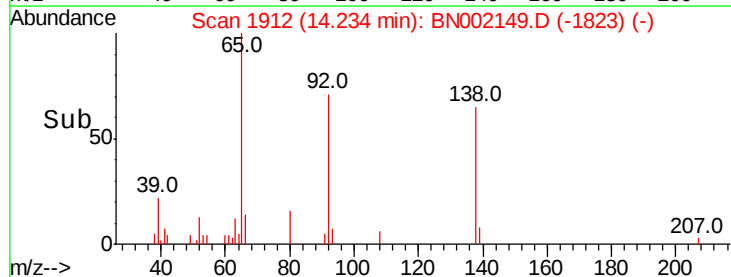
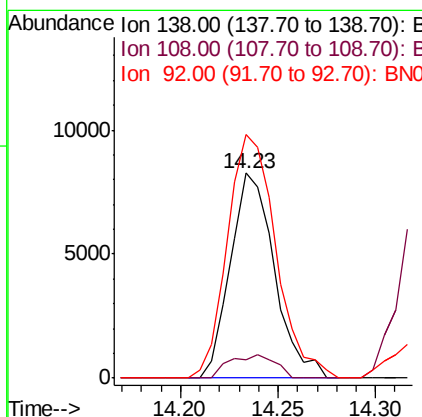
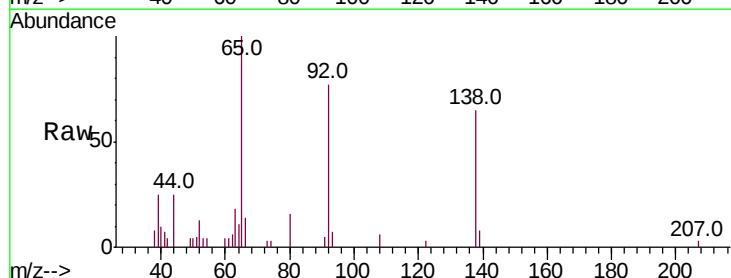
Delta R.T. -0.01 min

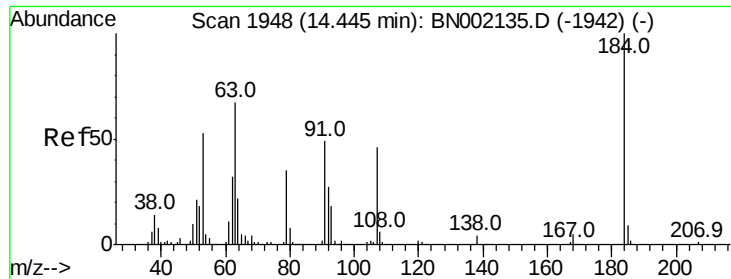
Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion:138 Resp: 12977

Ion	Ratio	Lower	Upper
138	100		
108	9.1	17.5	26.3#
92	118.7	105.8	158.8





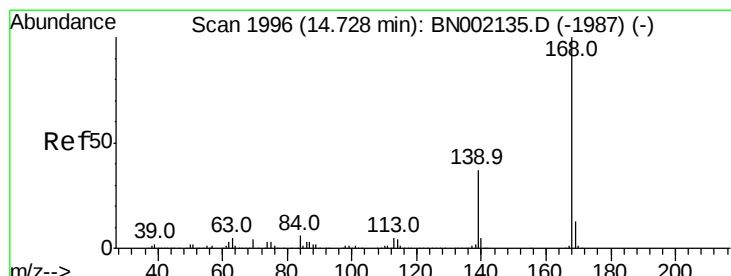
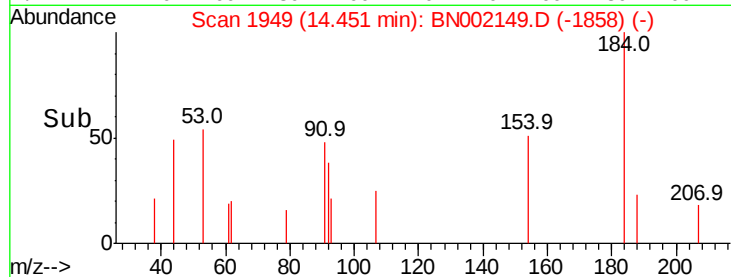
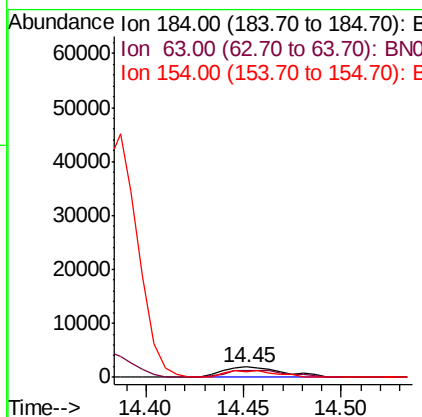
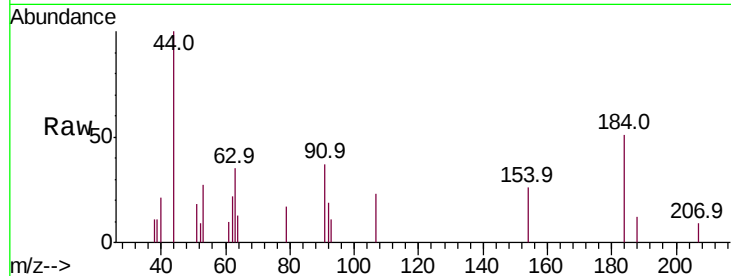
#53
 2,4-Dinitrophenol
 Concen: 0.821 ng
 RT: 14.45 min Scan# 1949
 Delta R.T. 0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion:	184	Resp:	4179
Ion Ratio	Lower	Upper	
184	100		
63	67.5	56.0	84.0
154	51.3	48.0	72.0

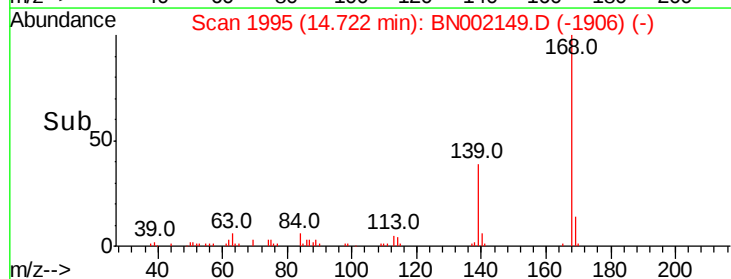
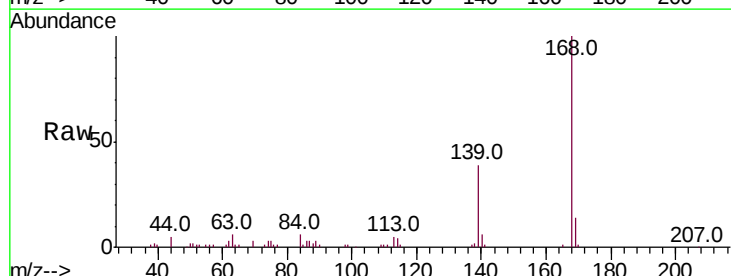
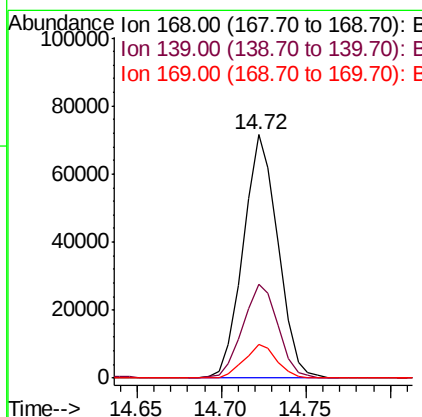
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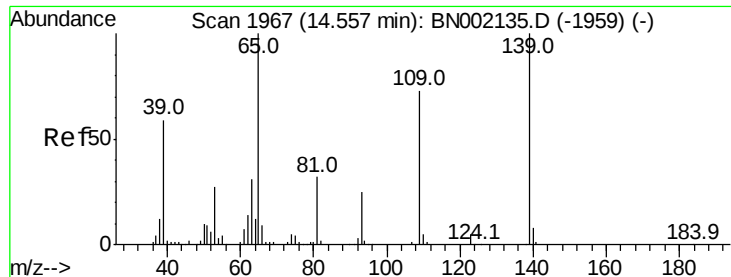
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#54
 Dibenzofuran
 Concen: 1.950 ng
 RT: 14.72 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion:	168	Resp:	102314
Ion Ratio	Lower	Upper	
168	100		
139	38.7	28.6	43.0
169	14.0	11.2	16.8





#55

4-Nitrophenol

Concen: 1.192 ng

RT: 14.56 min Scan# 1968

Delta R.T. 0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

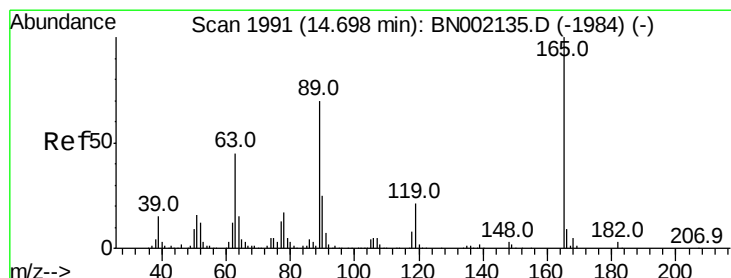
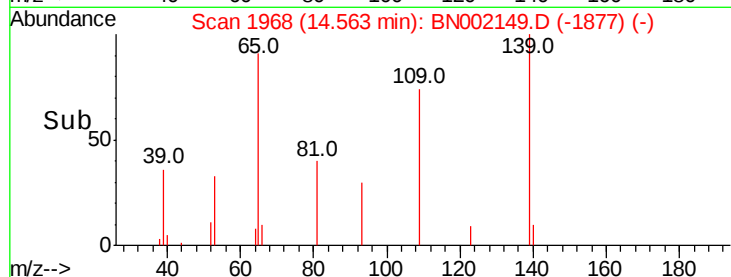
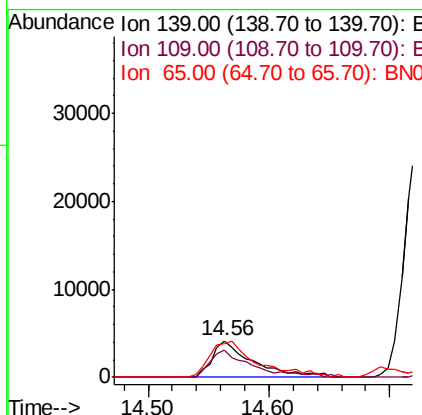
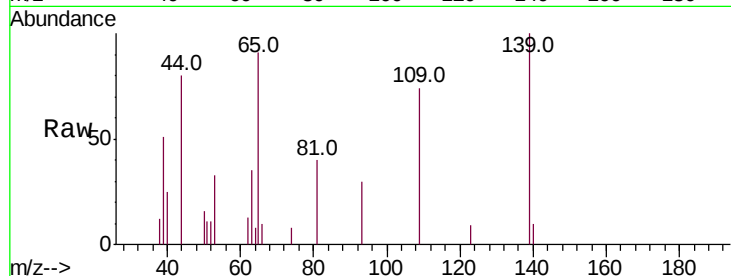
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	73.7	62.2	102.2
65	91.0	97.2	137.2#

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#56

2,4-Dinitrotoluene

Concen: 1.399 ng

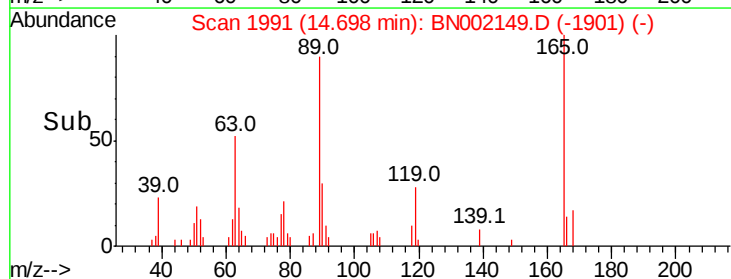
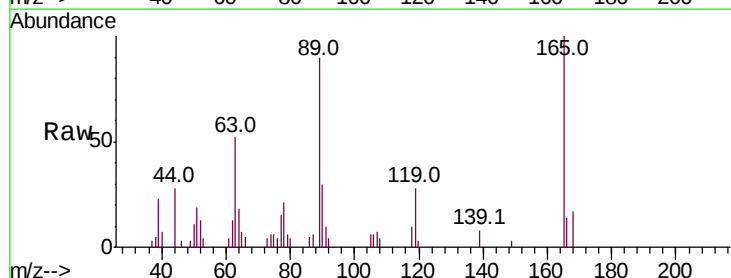
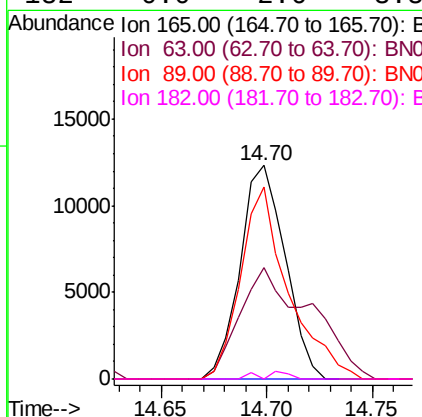
RT: 14.70 min Scan# 1991

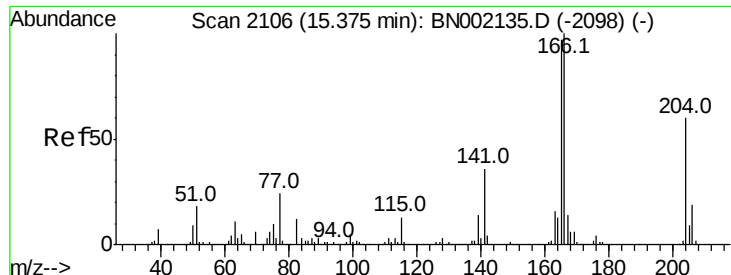
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.3	42.0	63.0
89	90.0	66.9	100.3
182	0.0	2.6	3.8#





#57

Fluorene

Concen: 1.960 ng

RT: 15.37 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:166 Resp: 77494

Ion Ratio Lower Upper

166 100

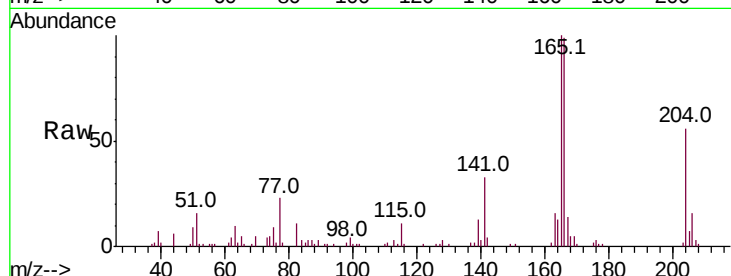
165 101.2 80.6 121.0

167 13.8 10.4 15.6

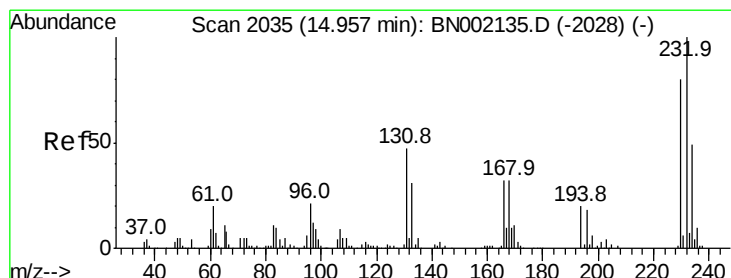
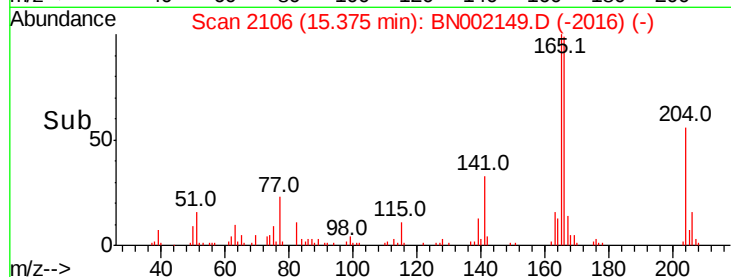
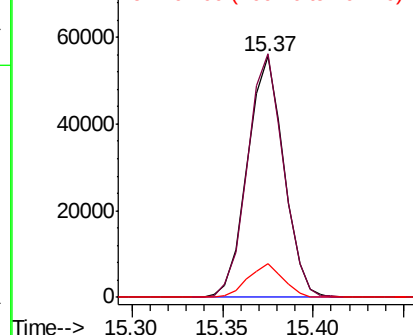
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 1.625 ng

RT: 14.95 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion:232 Resp: 17410

Ion Ratio Lower Upper

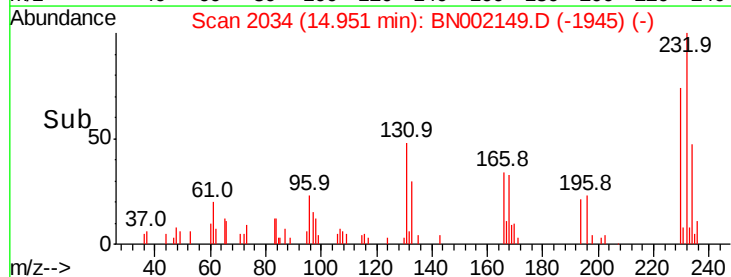
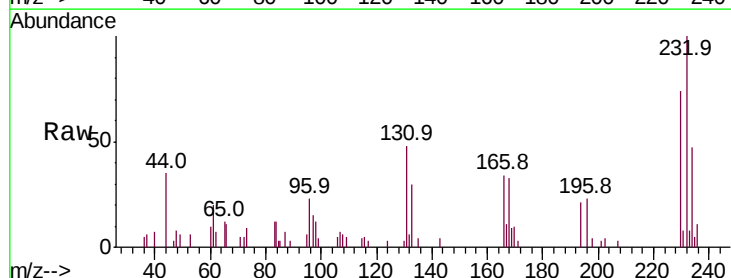
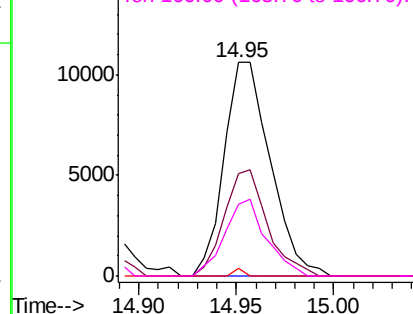
232 100

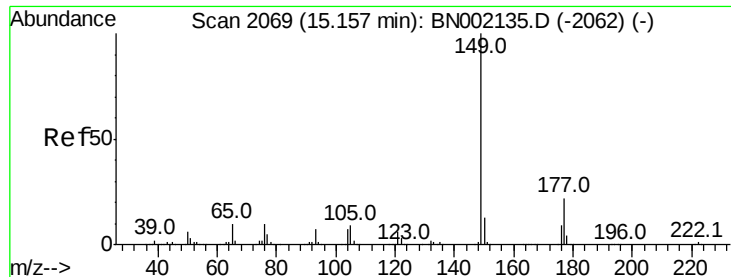
131 46.4 33.5 50.3

130 0.7 2.2 3.2#

166 32.4 24.8 37.2

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





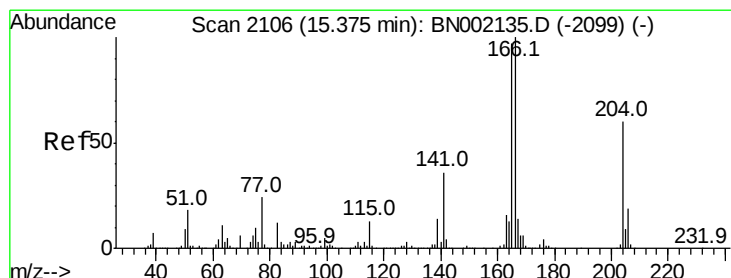
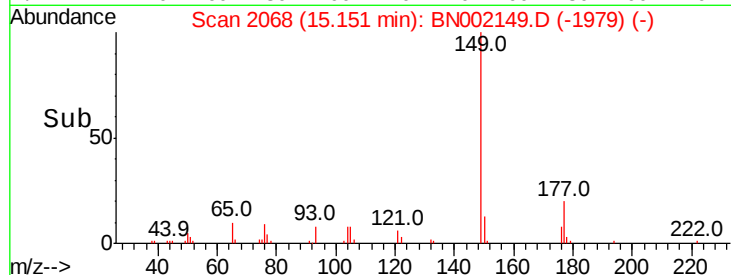
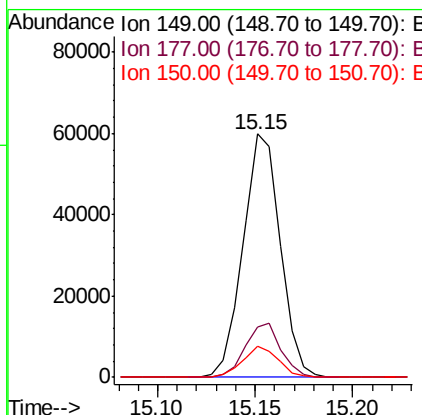
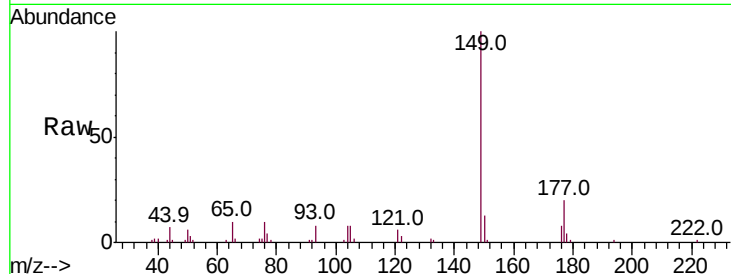
#59
 Diethylphthalate
 Concen: 1.798 ng
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion:	149	Resp:	79240
Ion Ratio	Lower	Upper	
149	100		
177	20.4	18.5	27.7
150	12.6	10.2	15.2

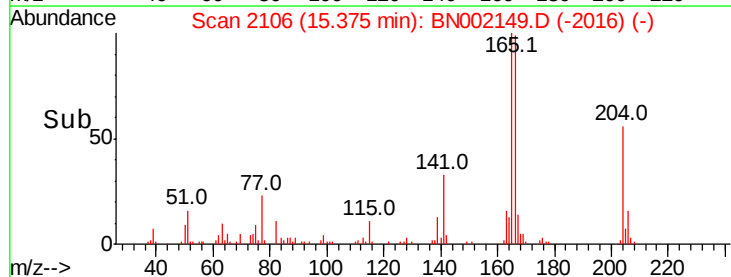
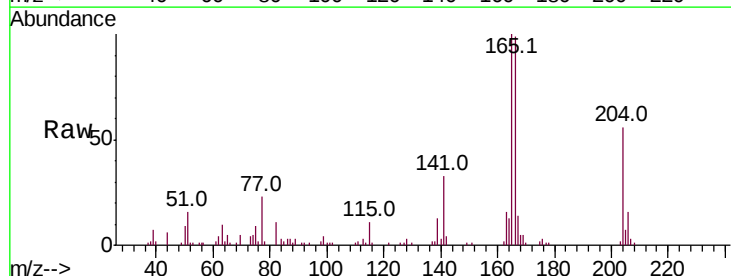
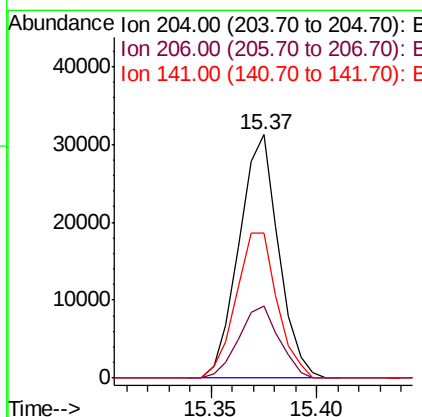
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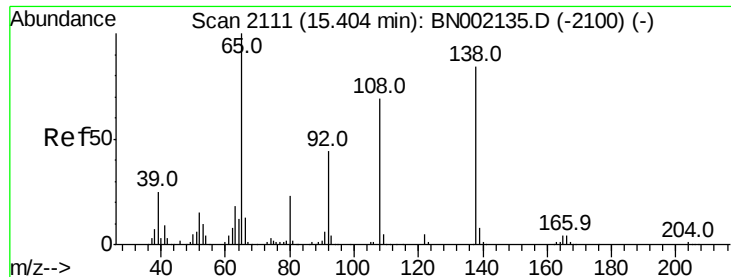
Sohil
 7/27/2018 11:35:43 AM



#60
 4-Chlorophenyl-phenylether
 Concen: 1.857 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion:	204	Resp:	40646
Ion Ratio	Lower	Upper	
204	100		
206	29.6	26.2	39.2
141	59.5	45.8	68.6





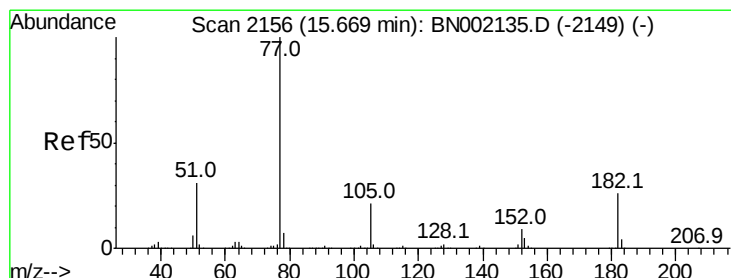
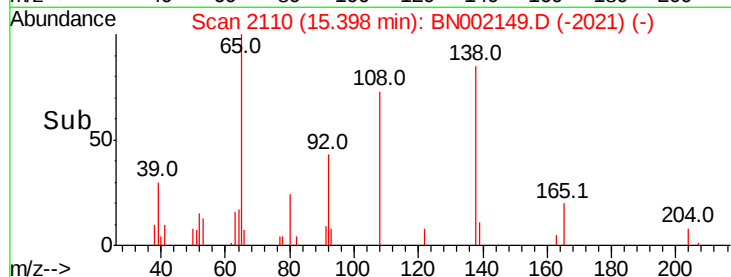
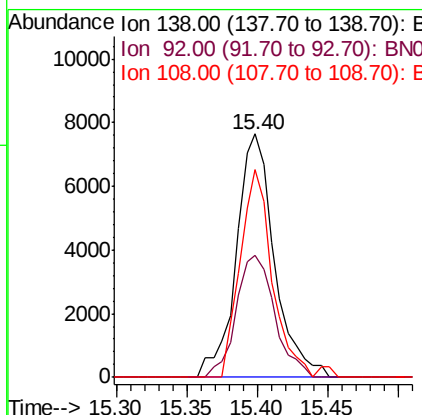
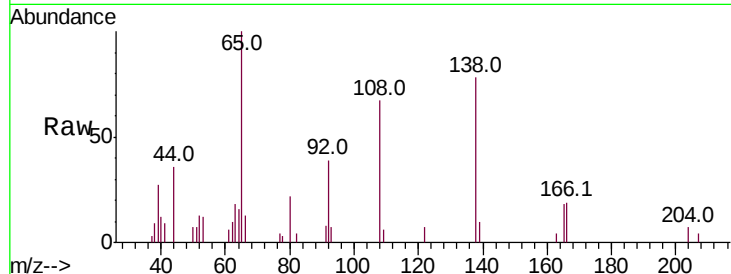
#61
4-Nitroaniline
Concen: 1.356 ng
RT: 15.40 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.9	40.1	80.1
108	85.6	65.4	105.4

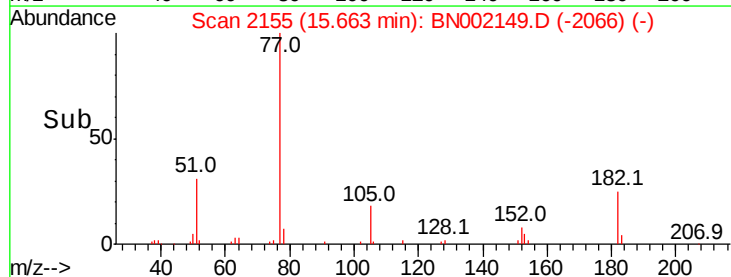
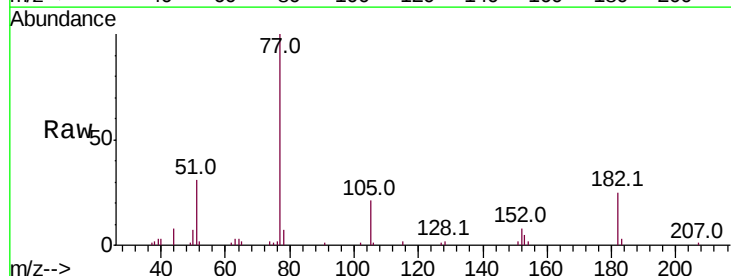
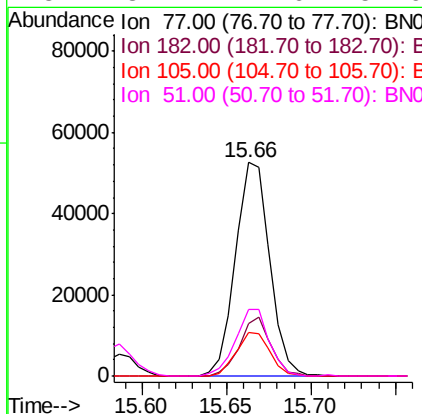
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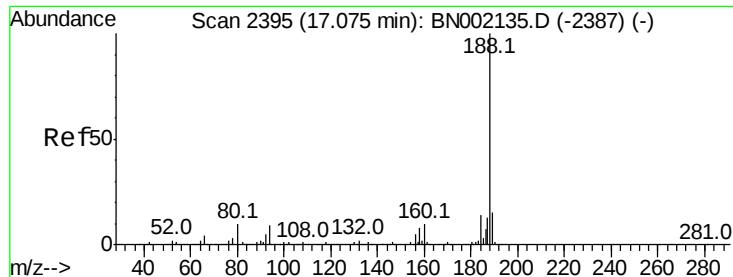
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#62
Azobenzene
Concen: 1.760 ng
RT: 15.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	7.4	47.4
105	20.7	0.3	40.3
51	31.4	11.6	51.6





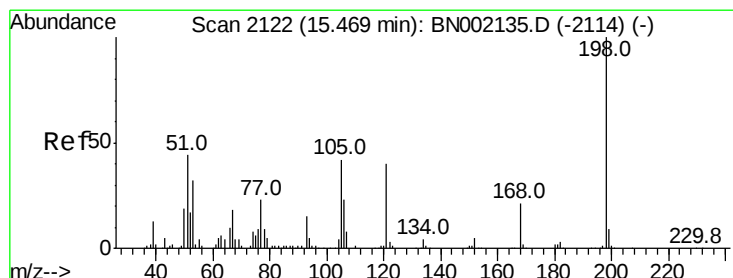
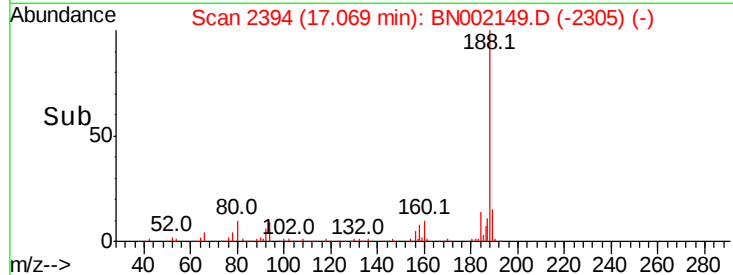
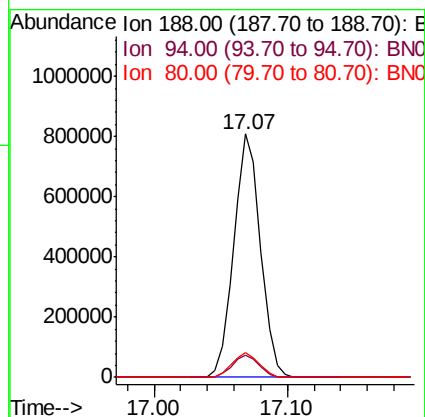
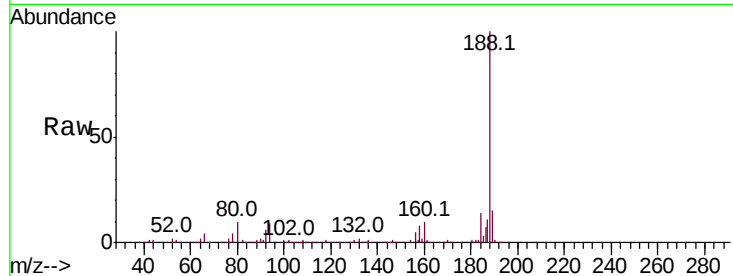
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion:188 Resp: 1120640
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 10.4 7.7 11.5

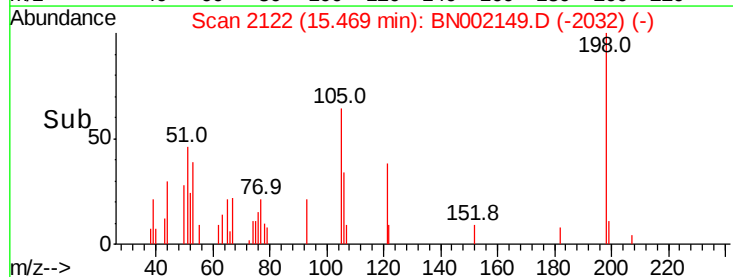
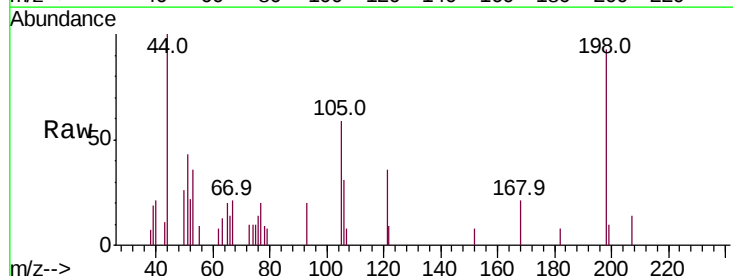
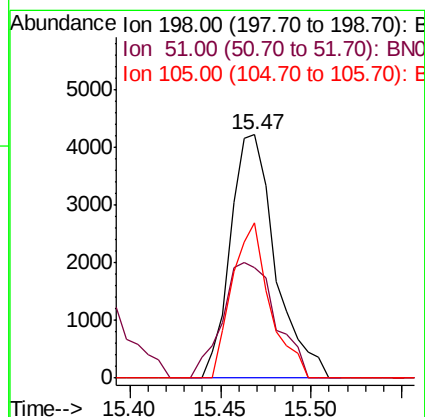
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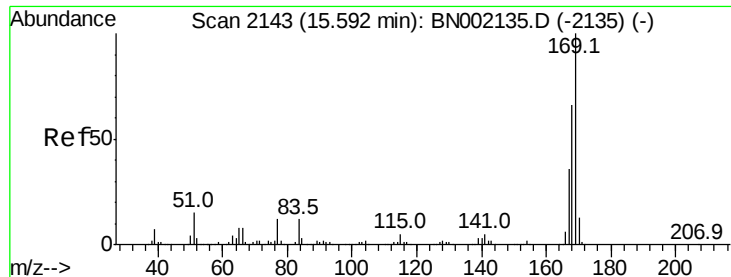
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 0.962 ng
RT: 15.47 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion:198 Resp: 7277
Ion Ratio Lower Upper
198 100
51 45.6 30.6 70.6
105 63.8 23.8 63.8





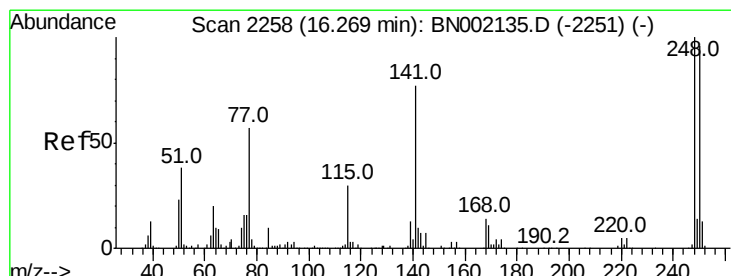
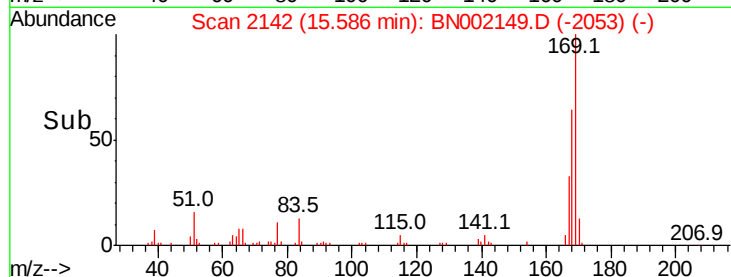
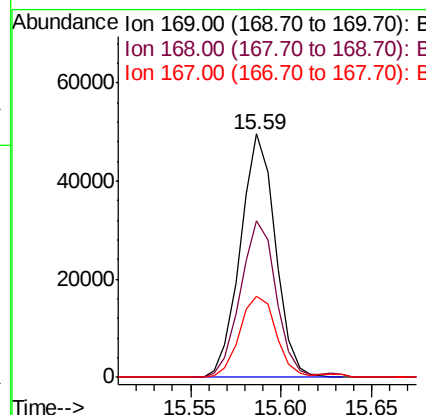
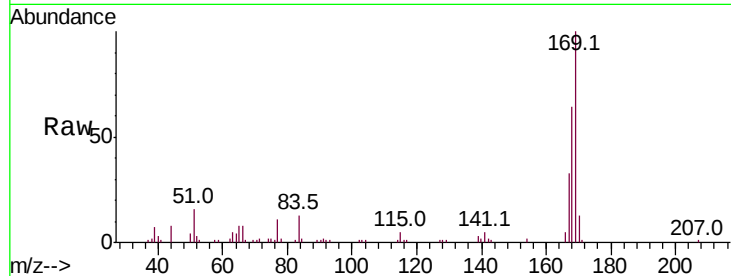
#65
 n-Nitrosodiphenylamine
 Concen: 1.790 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	64.3	55.7	83.5
167	33.5	30.1	45.1

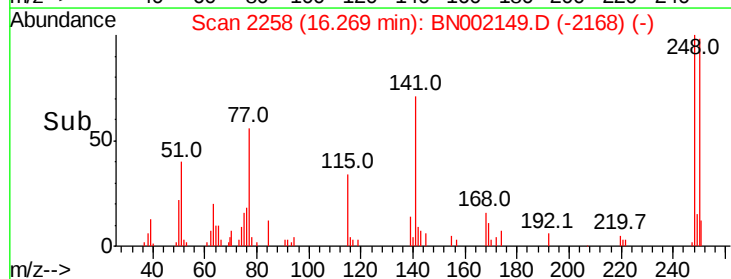
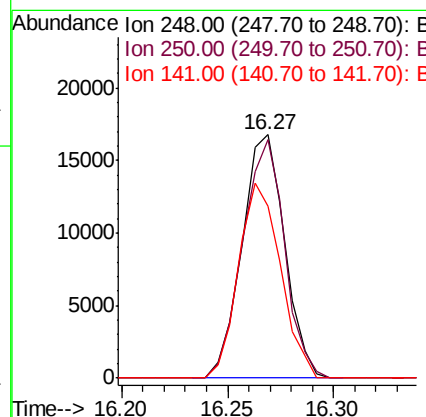
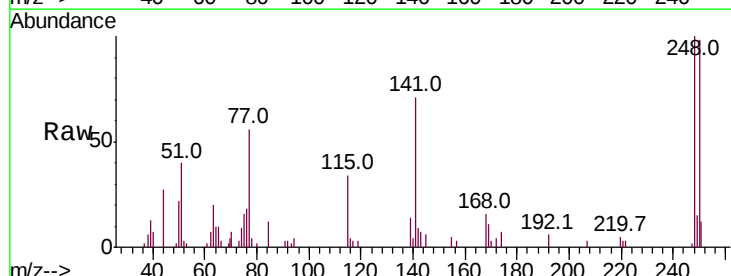
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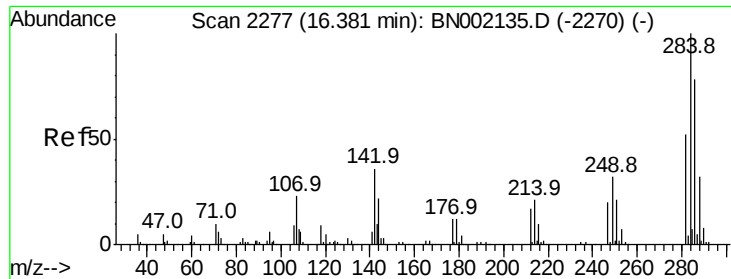
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#66
 4-Bromophenyl-phenylether
 Concen: 1.794 ng
 RT: 16.27 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	70.5	50.8	76.2





#67

Hexachlorobenzene

Concen: 1.860 ng

RT: 16.38 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

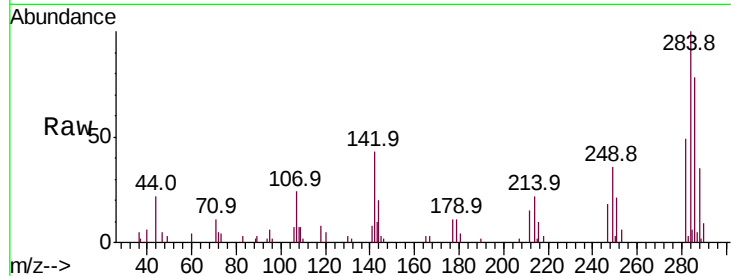
ClientSampleId :

MDL-SOIL-03-QT3-2018

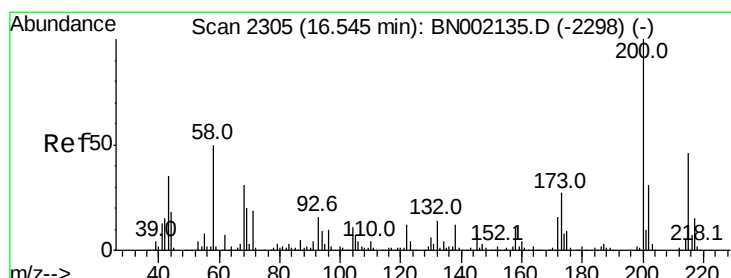
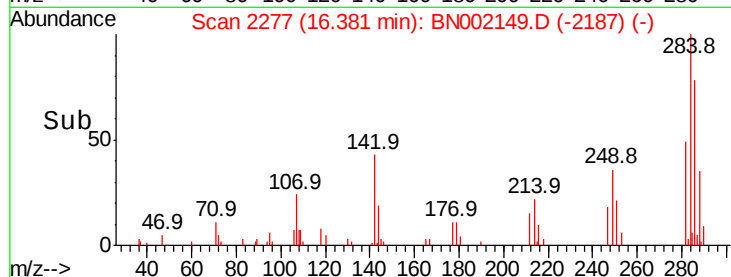
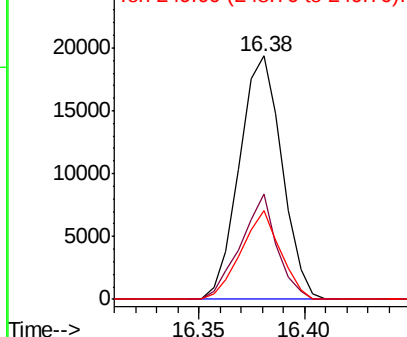
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	43.3	26.8	40.2	#
249	36.4	26.3	39.5	

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



#68

Atrazine

Concen: 1.510 ng

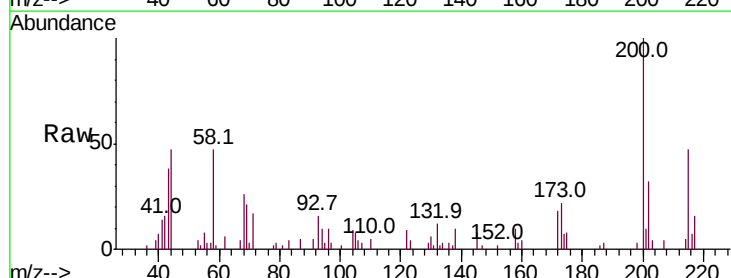
RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

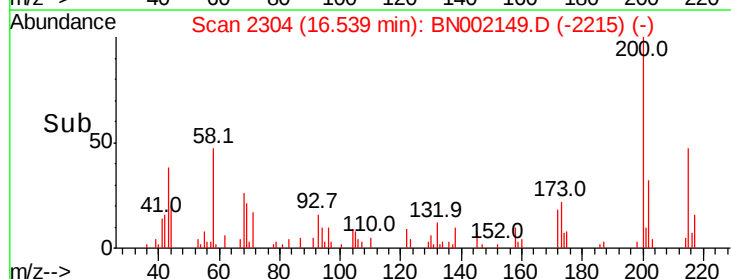
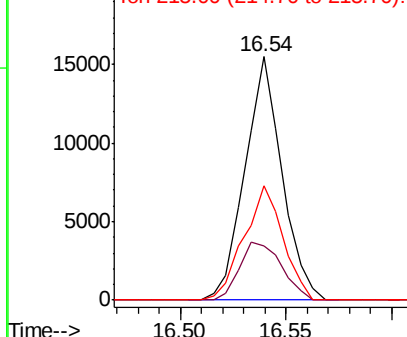
Lab File: BN002149.D

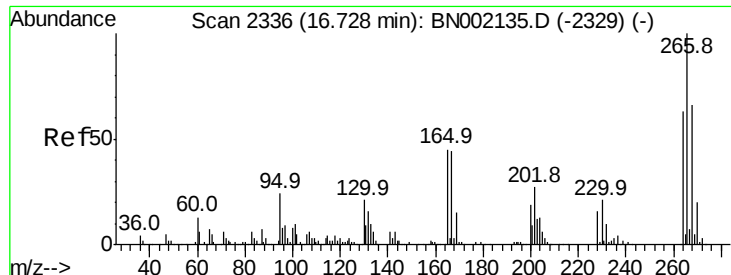
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	22.0	5.2	45.2	
215	46.9	30.4	70.4	



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





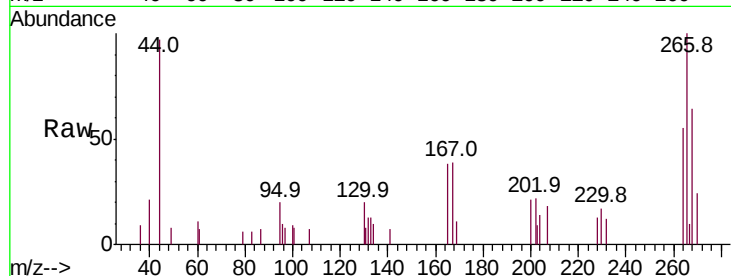
#69
 Pentachlorophenol
 Concen: 0.910 ng
 RT: 16.73 min Scan# 2337
 Delta R.T. 0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.1	76.7
264	55.2	49.6	74.4

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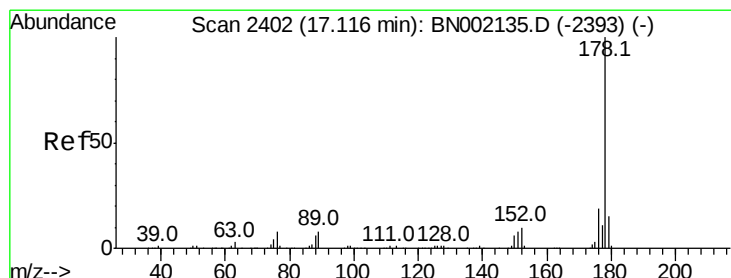
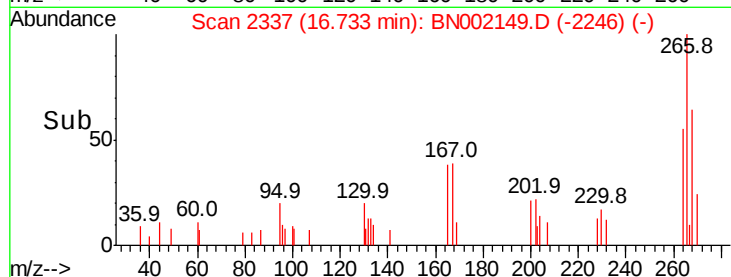
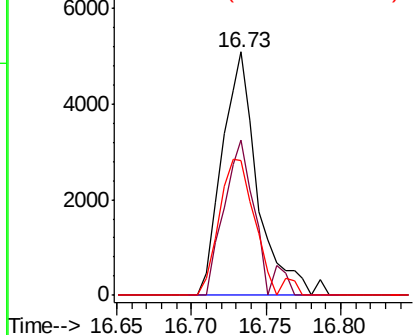


Abundance

Ion 265.70 (265.40 to 266.40): E

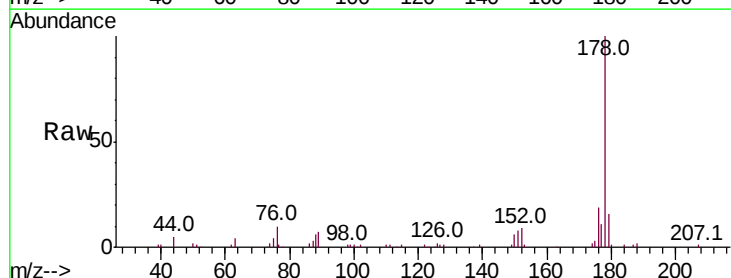
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 2.062 ng
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.7	12.5	18.7

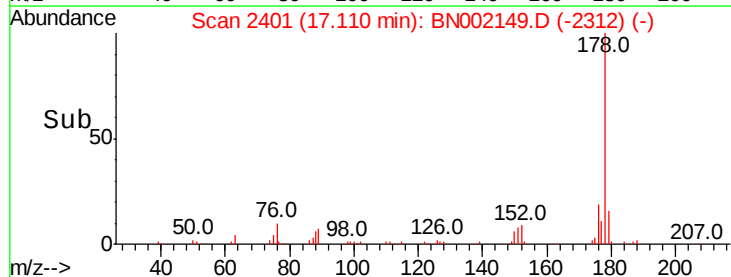
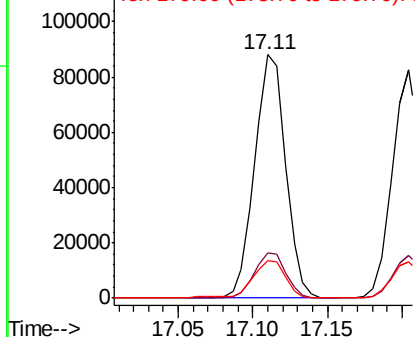


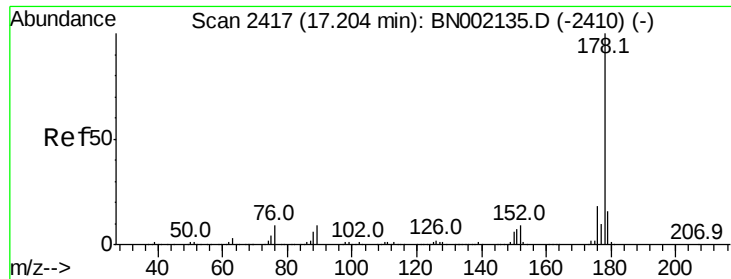
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





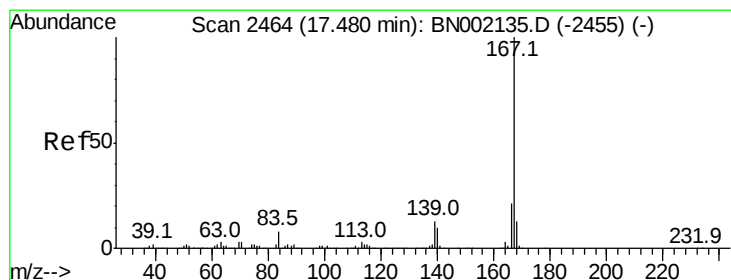
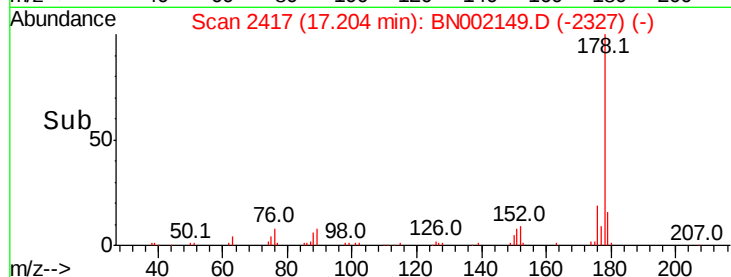
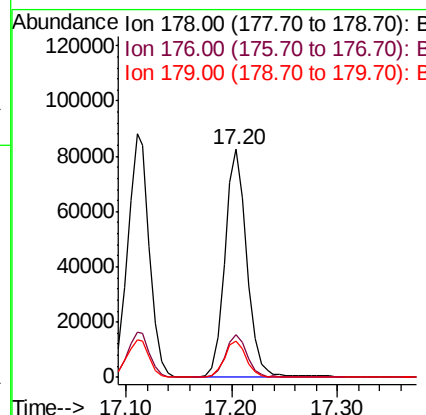
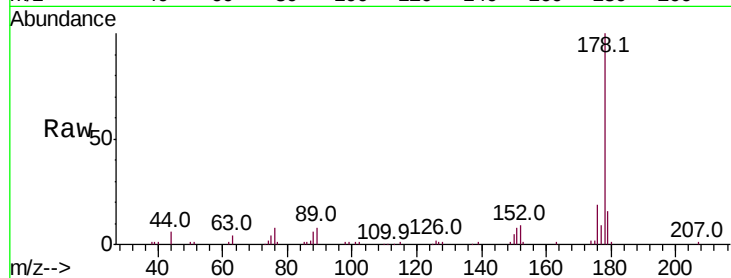
#71
 Anthracene
 Concen: 1.972 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	15.9	12.5	18.7

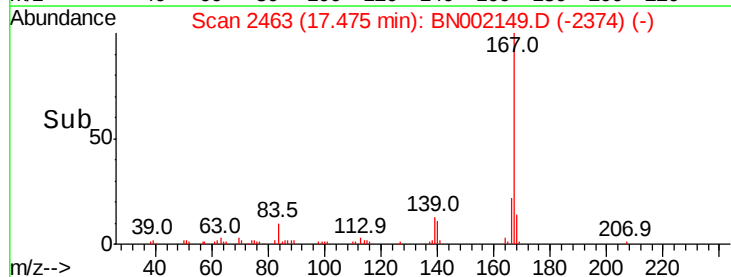
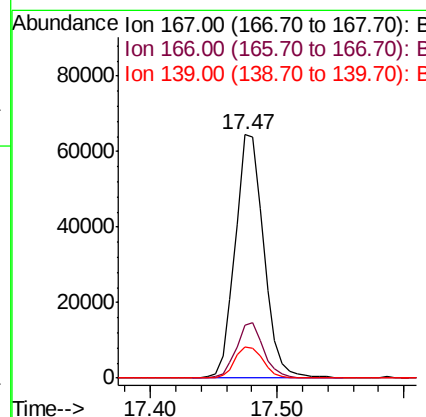
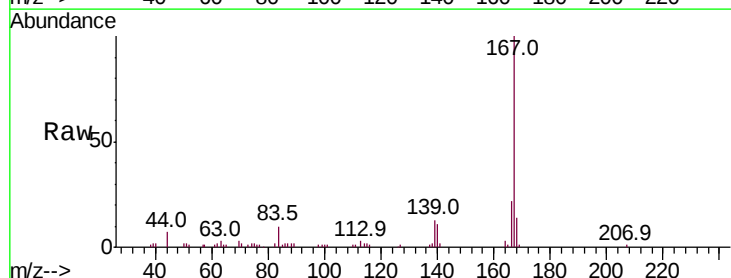
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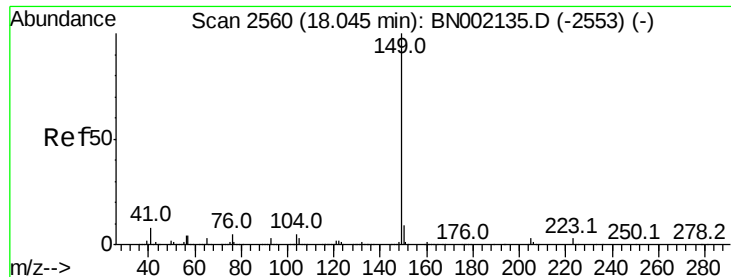
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#72
 Carbazole
 Concen: 1.648 ng
 RT: 17.47 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	12.9	9.4	14.2





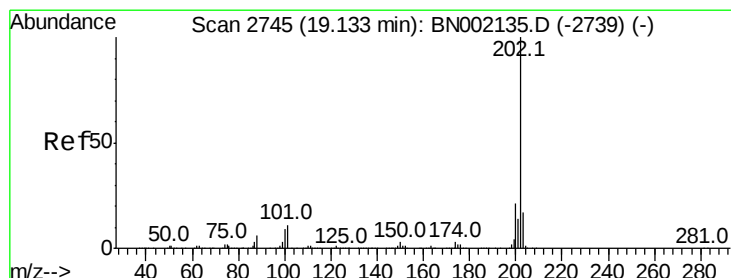
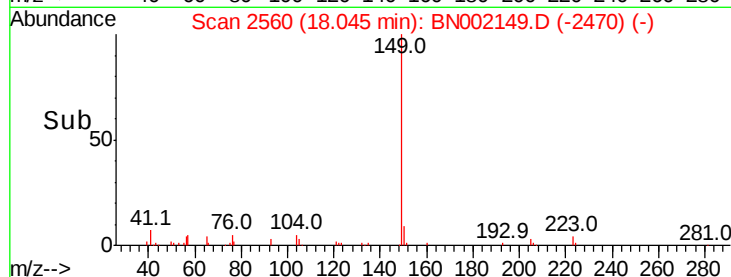
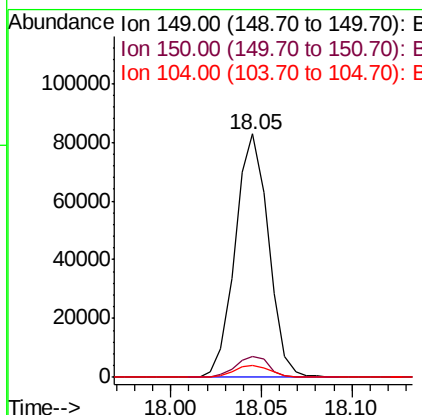
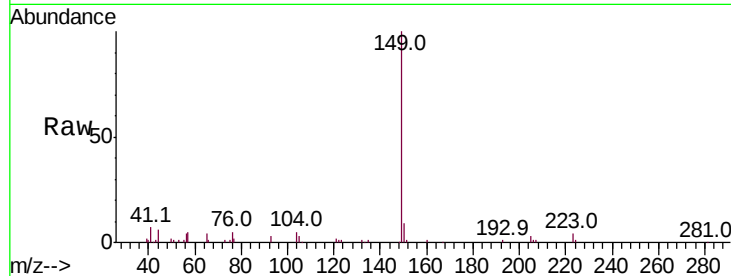
#73
Di-n-butylphthalate
Concen: 1.489 ng
RT: 18.05 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	8.8	7.8	11.6	
104	5.1	3.9	5.9	

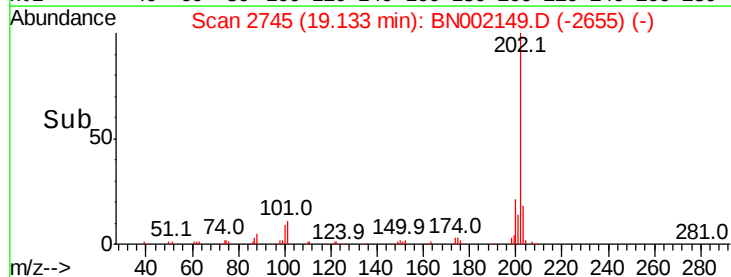
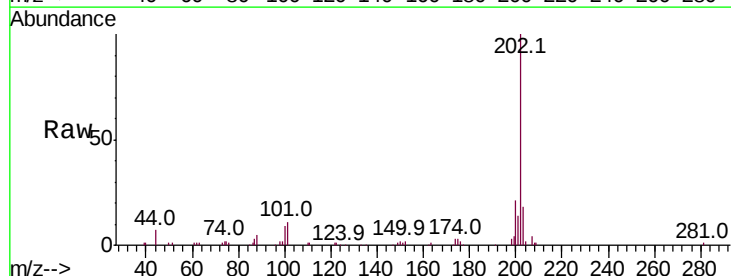
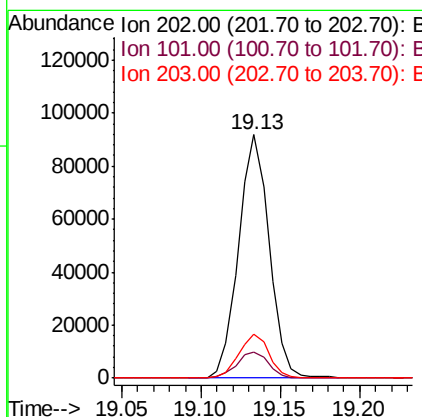
Manual Integrations
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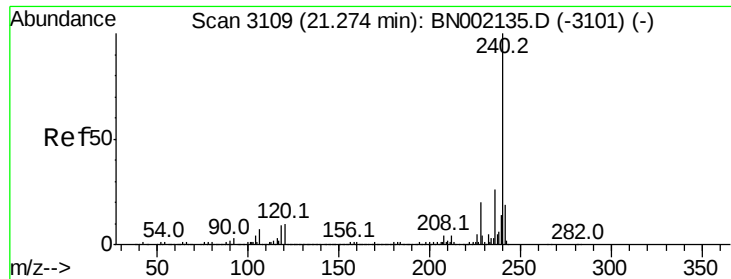
Sohil
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#74
Fluoranthene
Concen: 1.853 ng
RT: 19.13 min Scan# 2745
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.6	0.0	28.9	
203	17.9	0.0	37.5	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

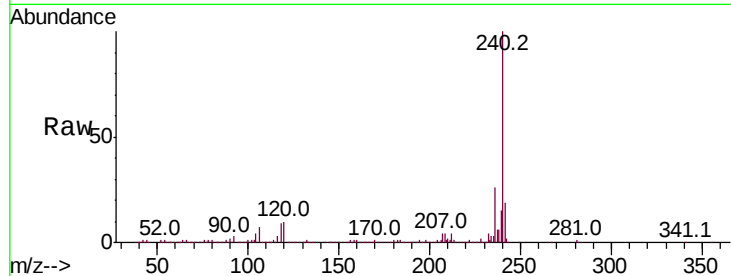
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.0	6.8	10.2	
236	25.9	20.9	31.3	

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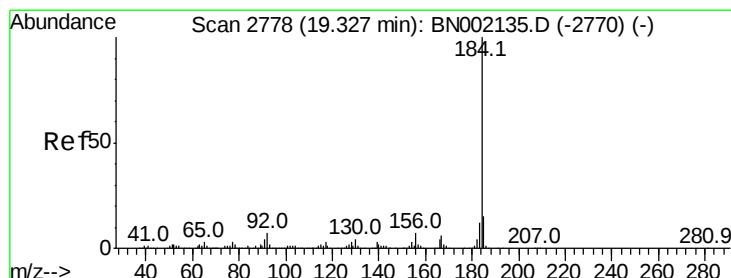
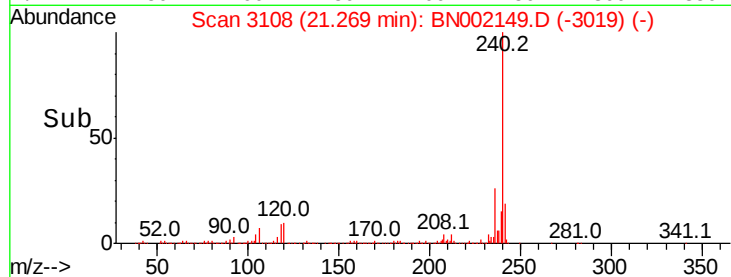
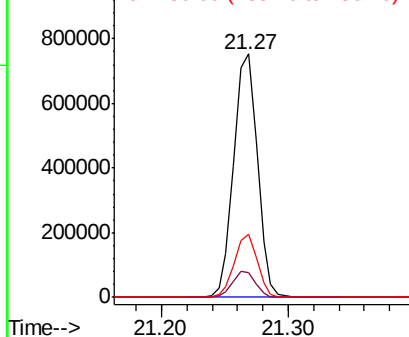


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.659 ng

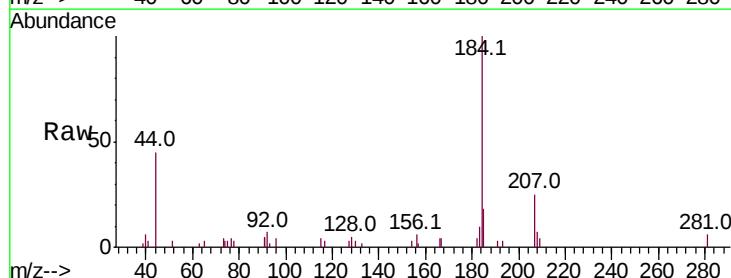
RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	17.7	11.1	16.7#	
183	9.8	10.6	16.0#	

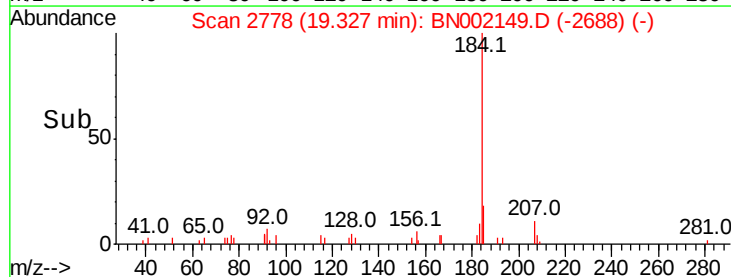
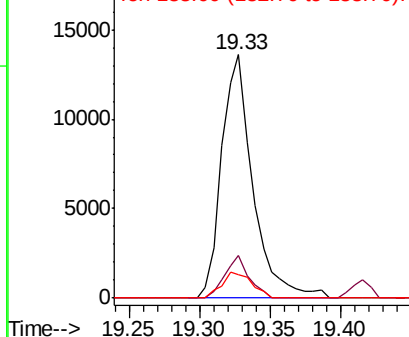


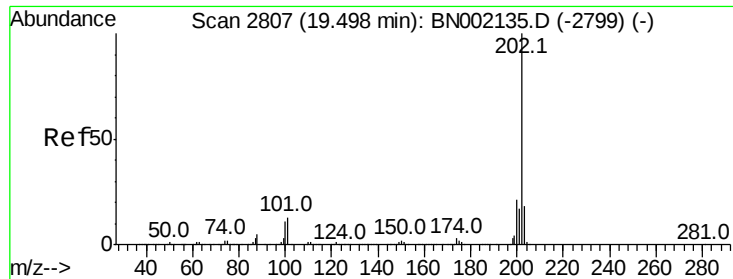
Abundance

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

Pvrene

Concen: 1.892 ng

RT: 19.50 min Scan# 2807

Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Instrument :

BNA_N

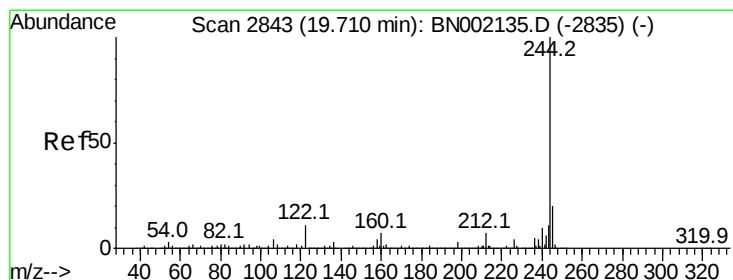
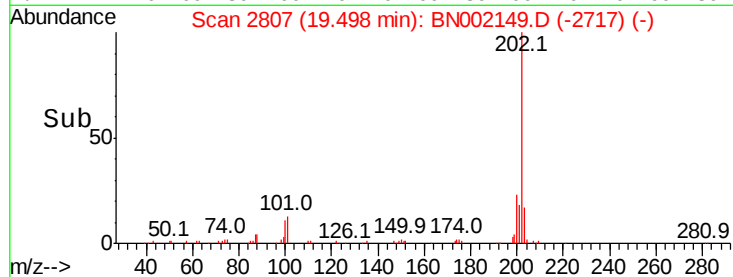
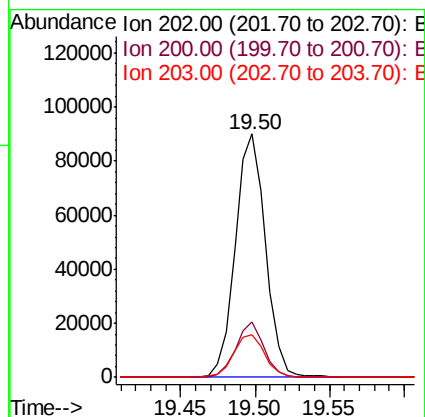
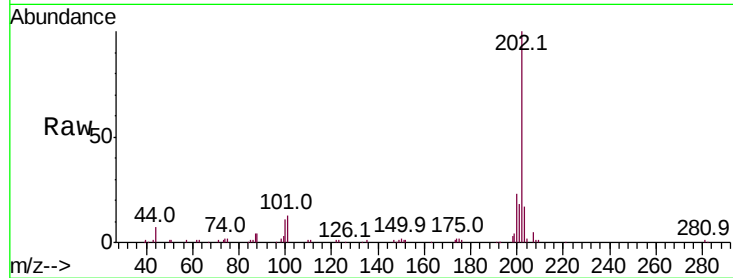
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.6	16.9	25.3
203	17.4	13.9	20.9

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#78

Terphenyl-d14

Concen: 108.053 ng

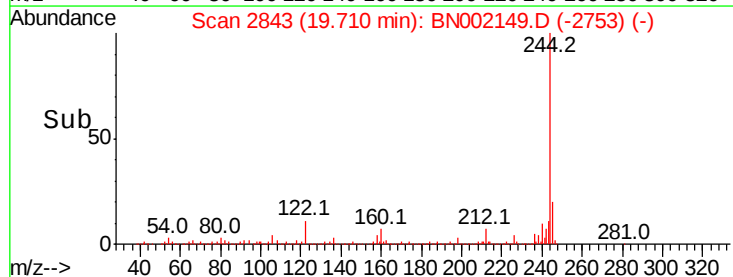
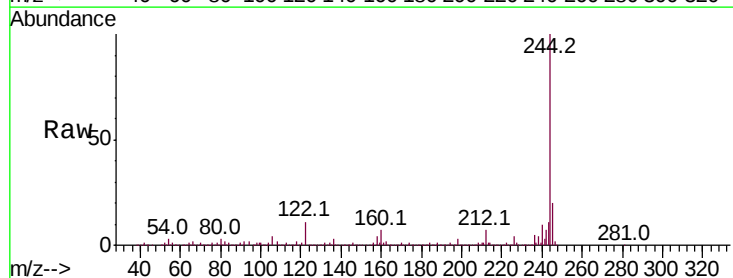
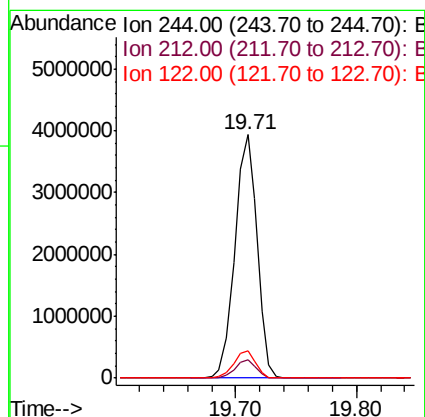
RT: 19.71 min Scan# 2843

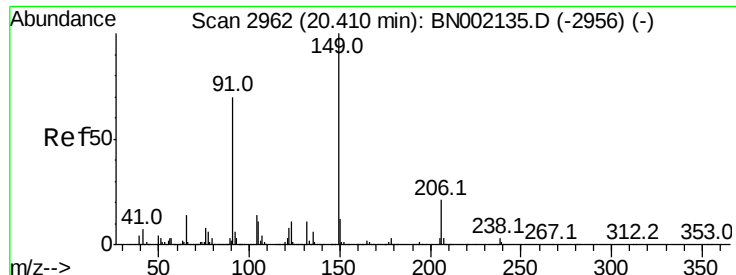
Delta R.T. 0.00 min

Lab File: BN002149.D

Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	5.8	8.8
122	11.2	7.0	10.4#





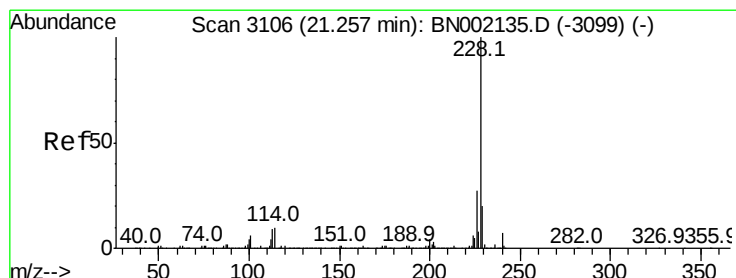
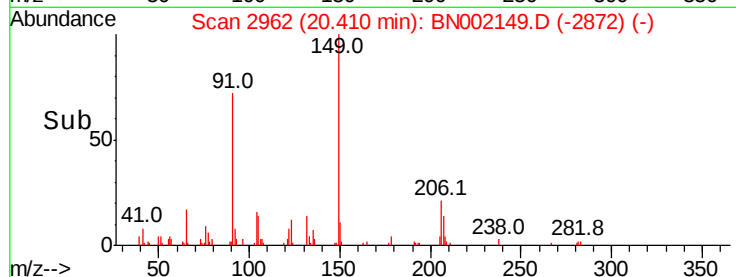
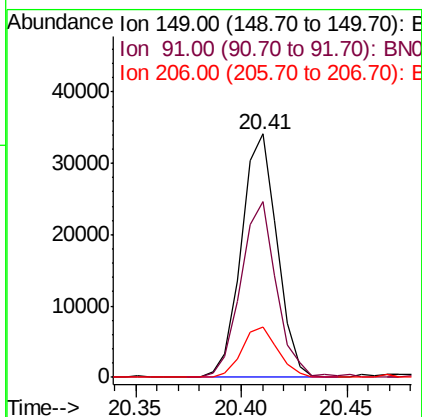
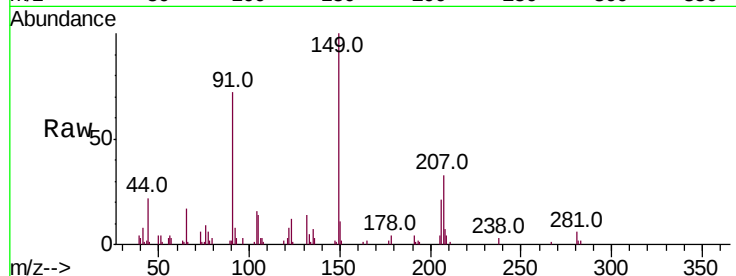
#79
Butylbenzylphthalate
Concen: 1.373 ng
RT: 20.41 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.4	62.2	93.2
206	20.7	18.6	27.8

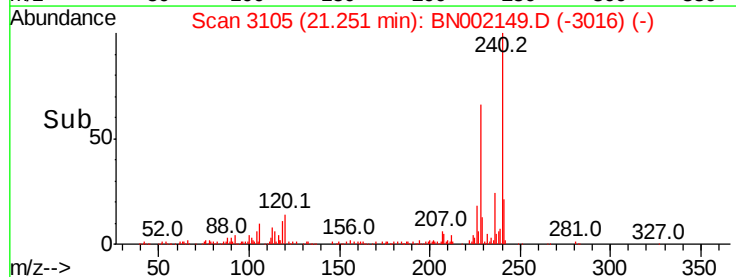
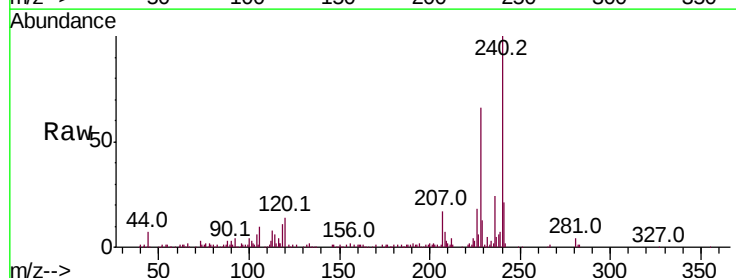
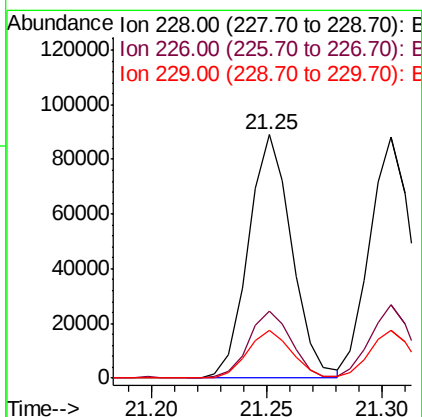
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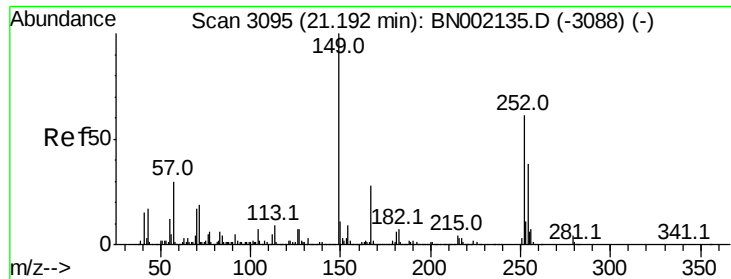
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#80
Benzo(a)anthracene
Concen: 1.969 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.7	34.1
229	19.8	16.2	24.2





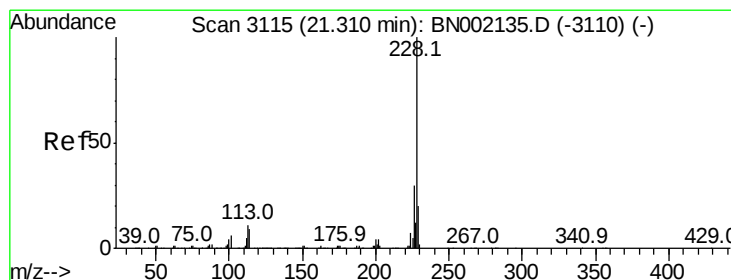
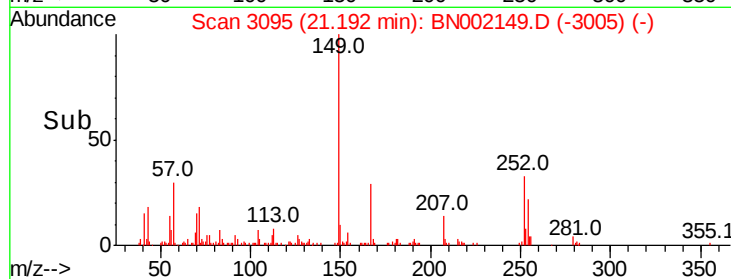
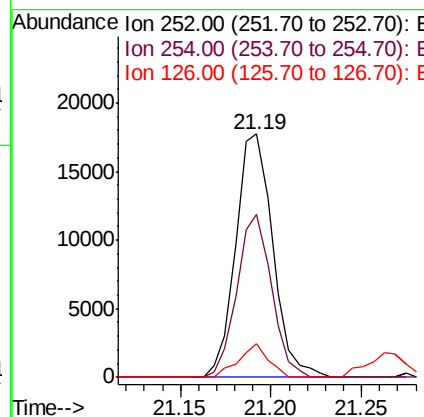
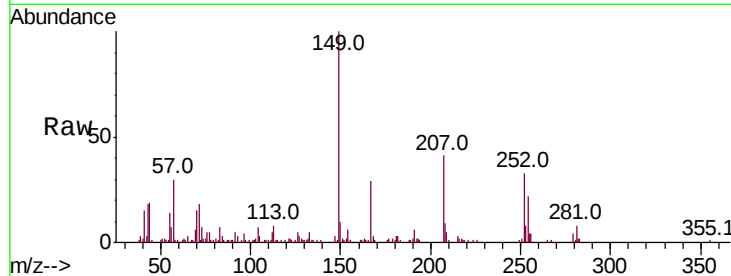
#81
 3,3'-Dichlorobenzidine
 Concen: 1.093 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	67.1	50.8	76.2
126	13.8	7.4	11.2

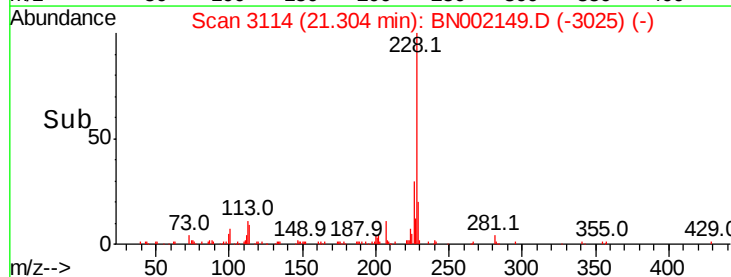
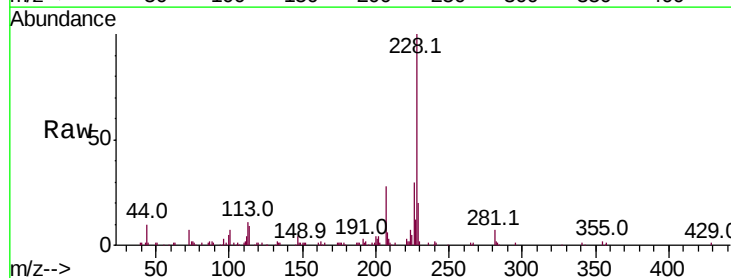
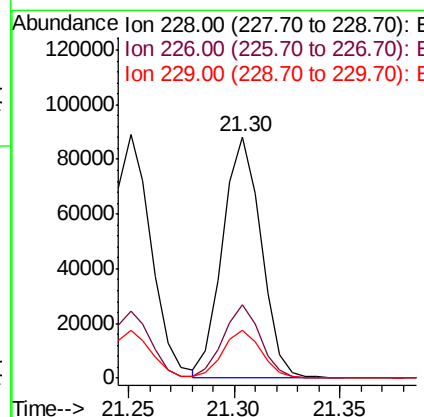
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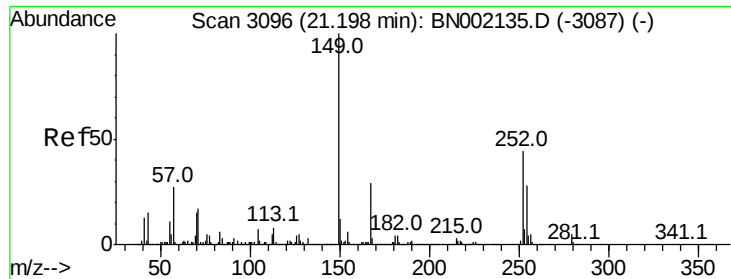
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#82
 Chrysene
 Concen: 1.979 ng
 RT: 21.30 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	20.0	15.0	22.4





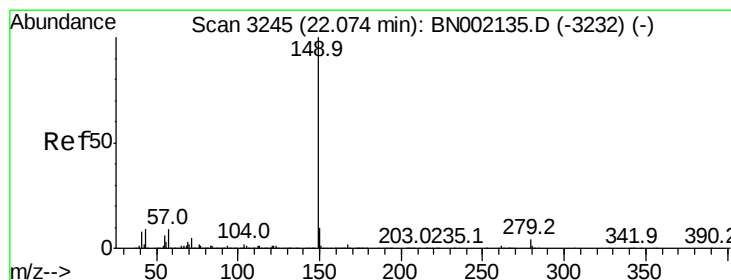
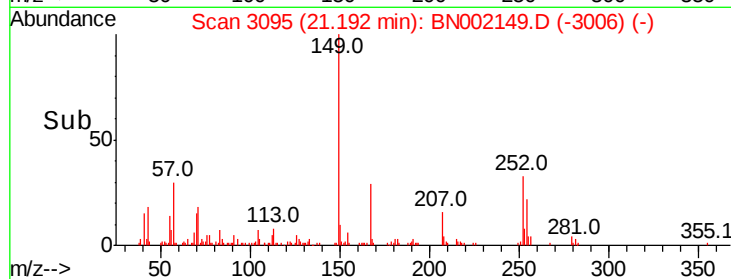
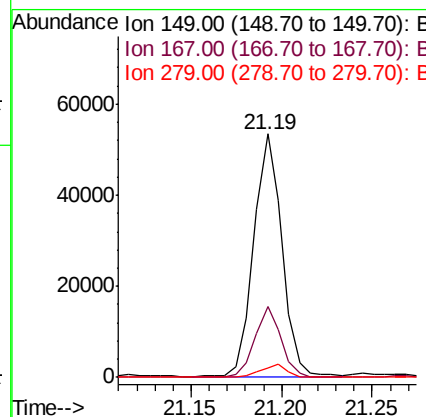
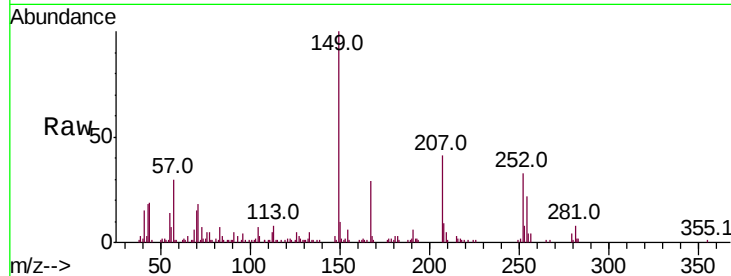
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.437 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.3	36.5
279	3.7	4.0	6.0

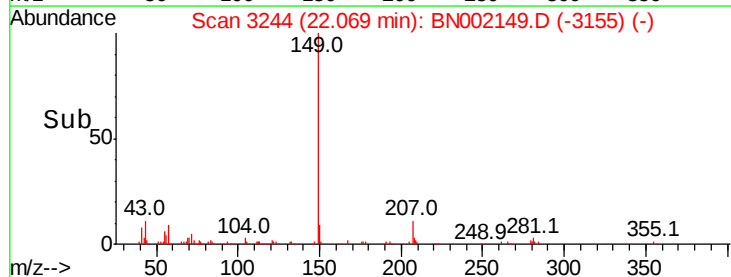
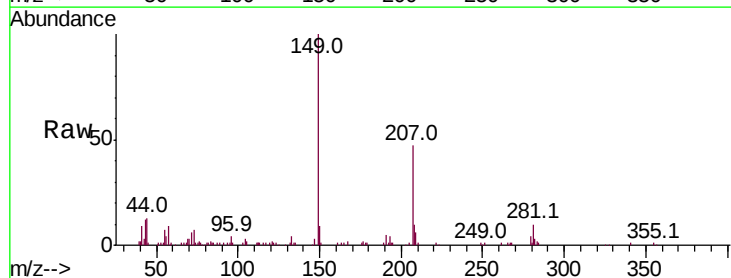
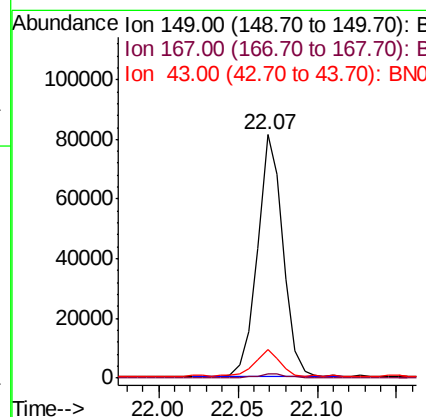
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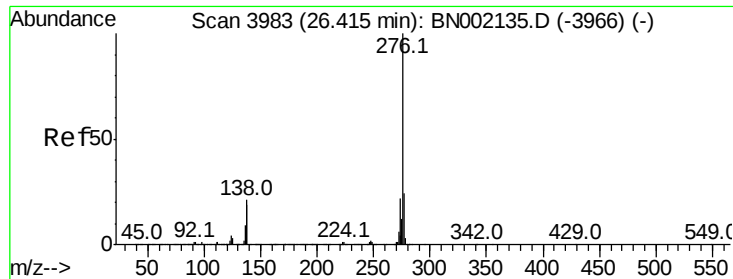
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#84
 Di-n-octyl phthalate
 Concen: 1.406 ng
 RT: 22.07 min Scan# 3244
 Delta R.T. -0.01 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	12.0	8.9	13.3





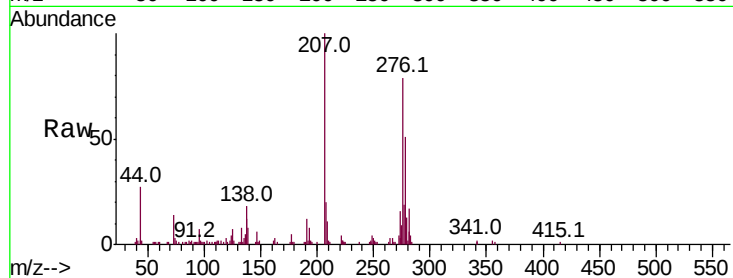
#85
Indeno(1,2,3-cd)pyrene
Concen: 1.883 ng
RT: 25.72 min Scan# 3864
Delta R.T. -0.02 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	16.0	24.0#
277	25.0	20.0	30.0

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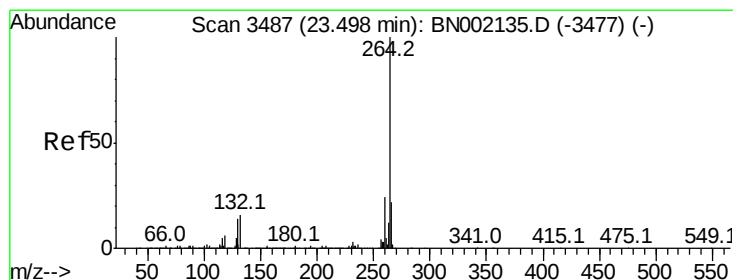
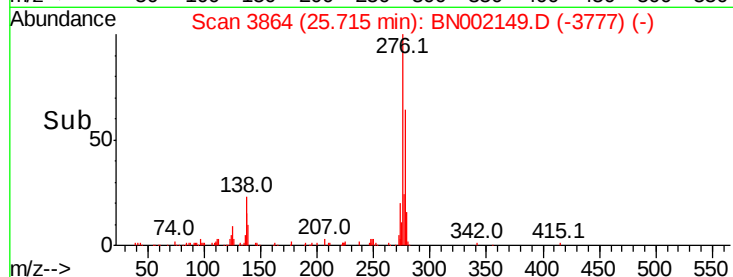
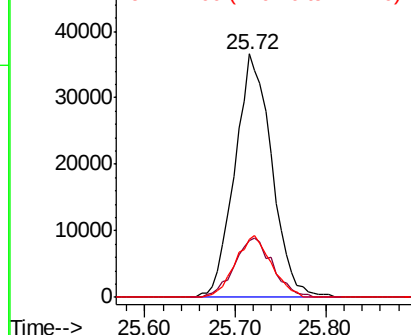


Abundance

Ion 276.00 (275.70 to 276.70): E

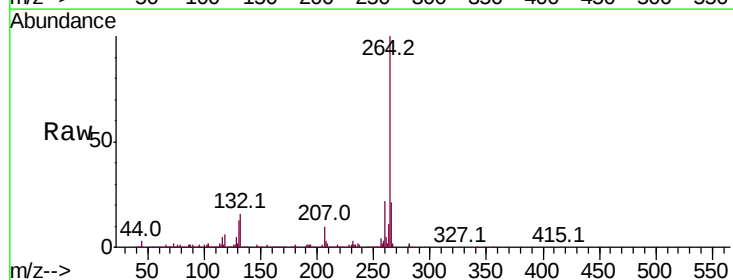
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	21.4	17.7	26.5

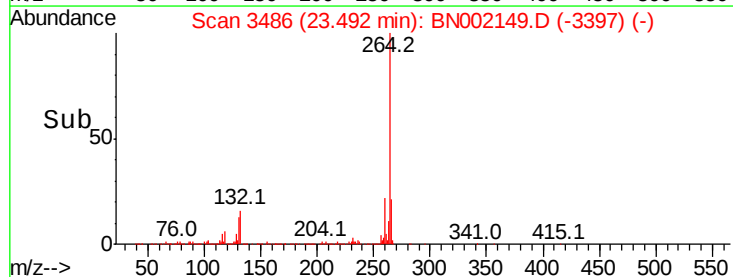
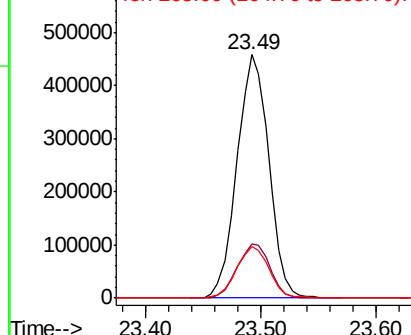


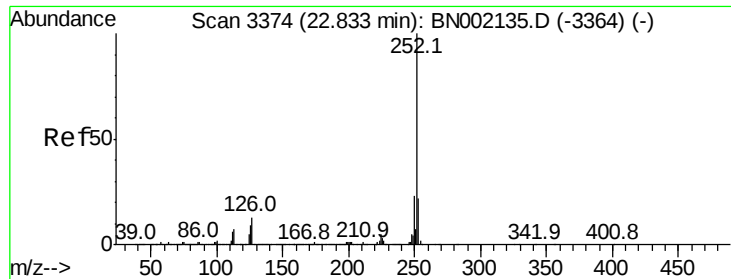
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





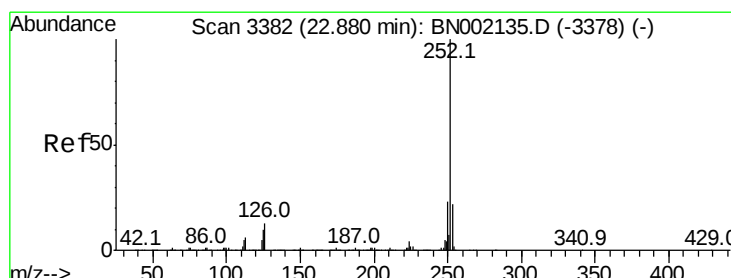
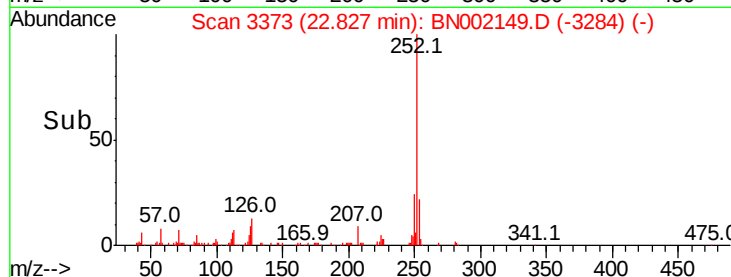
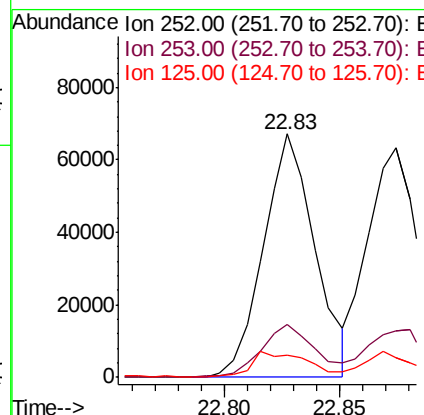
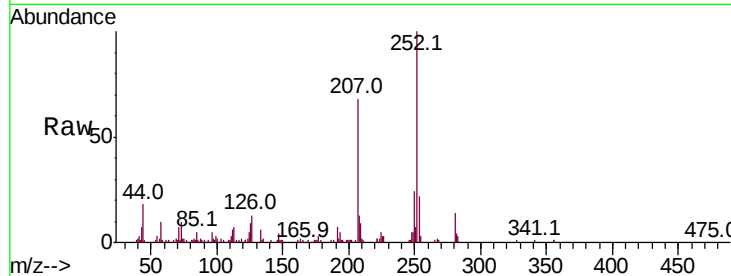
#87
Benzo(b)fluoranthene
Concen: 2.012 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	9.1	7.2	10.8

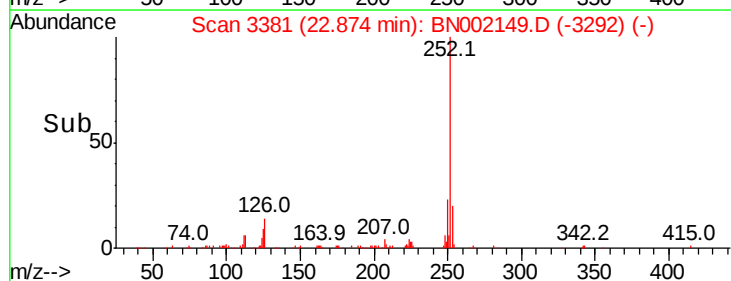
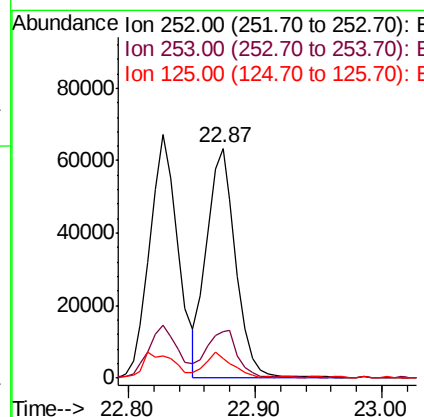
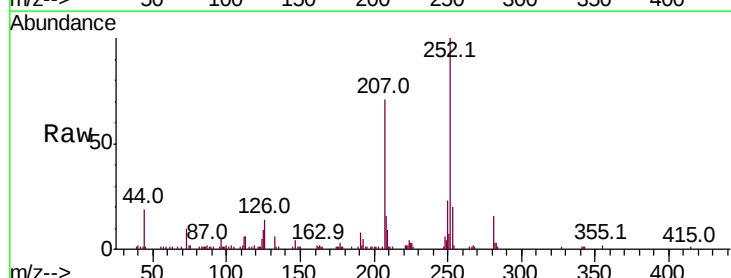
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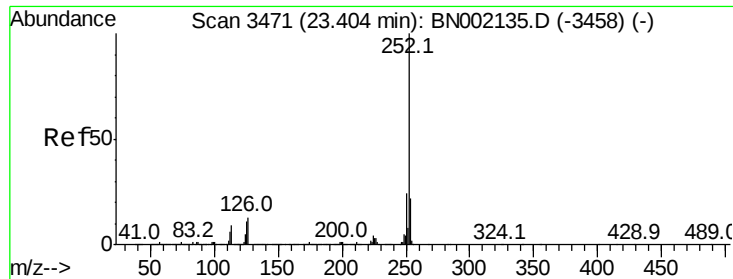
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#88
Benzo(k)fluoranthene
Concen: 1.991 ng
RT: 22.87 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.2
125	8.7	6.6	9.8





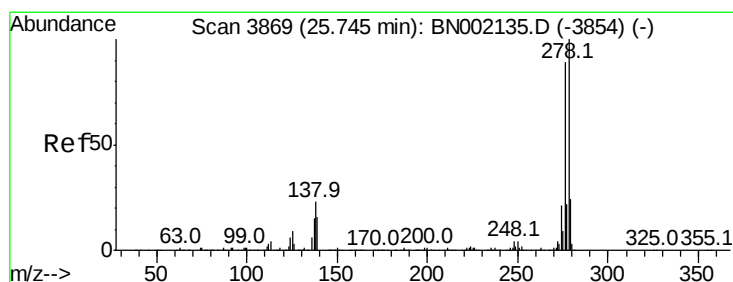
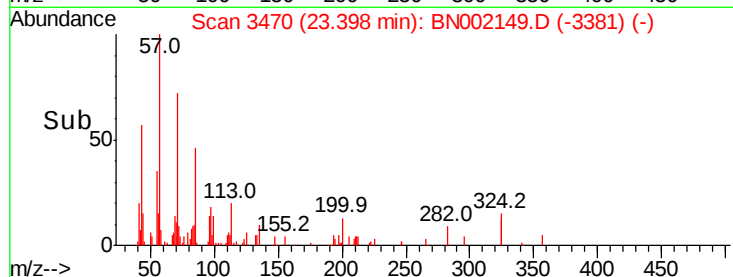
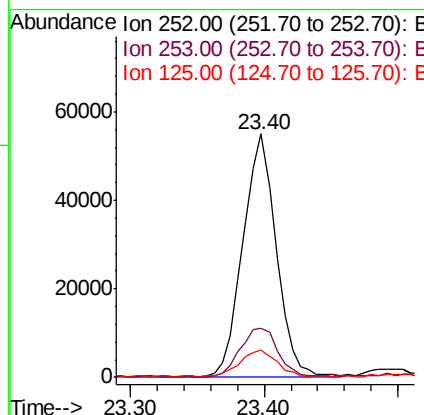
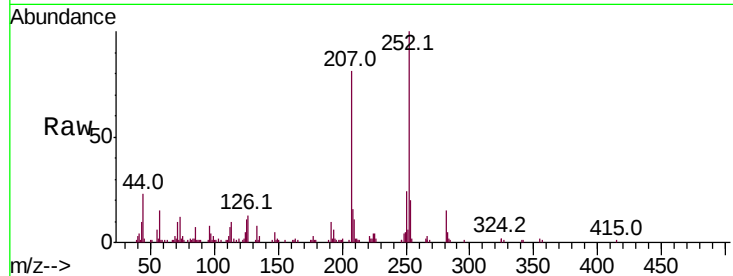
#89
Benzo(a)pyrene
Concen: 1.979 ng
RT: 23.40 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.3	27.5
125	11.0	7.3	10.9

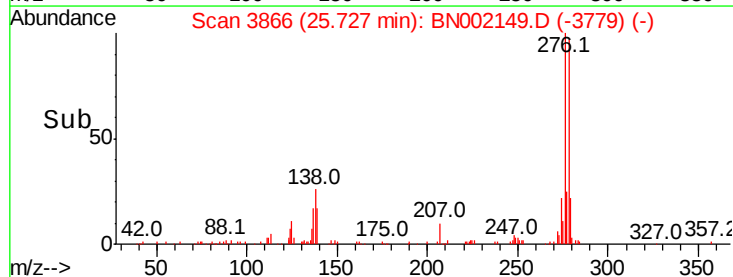
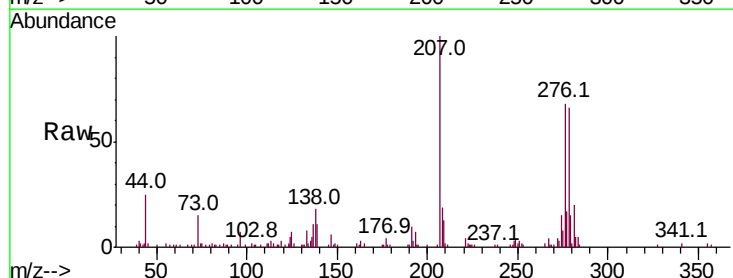
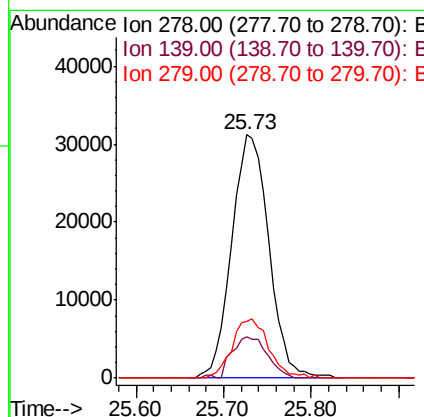
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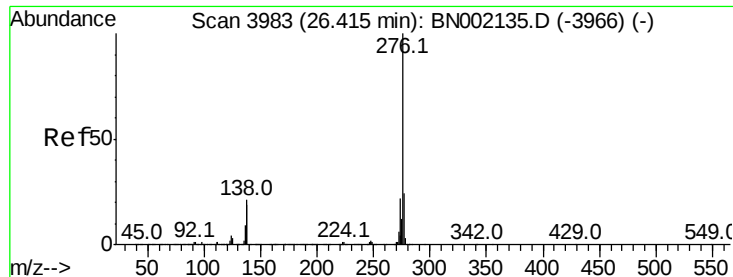
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 1.984 ng
RT: 25.73 min Scan# 3866
Delta R.T. -0.02 min
Lab File: BN002149.D
Acq: 25 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	9.8	14.6
279	23.1	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 1.998 ng
 RT: 26.40 min Scan# 3980
 Delta R.T. -0.02 min
 Lab File: BN002149.D
 Acq: 25 Jul 2018 23:01

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

Tot Ion:	276	Resp:	87514
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.3	27.5
138	18.8	13.9	20.9

Manual Integrations
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