

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002150.D
 Acq On : 25 Jul 2018 23:36
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 7/27/2018 11:35:45 AM

Quant Time: Jul 26 07:01:44 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	212285	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	859338	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	489229	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1035671	20.00	ng	0.00
75) Chrysene-d12	21.27	240	901227	20.00	ng	0.00
86) Perylene-d12	23.49	264	834514	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1629685	123.59	ng	0.00
7) Phenol-d6	6.88	99	2181934	117.92	ng	0.00
23) Nitrobenzene-d5	8.84	82	1471185	87.80	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	790677	124.46	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3317668	88.33	ng	0.00
78) Terphenyl-d14	19.71	244	4669977	108.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	24297	4.908	ng	# 82
3) Pyridine	3.68	79	60934	4.249	ng	# 67
4) n-Nitrosodimethylamine	3.59	42	29708	4.830	ng	# 67
6) Aniline	7.03	93	81207	3.593	ng	99
8) 2-Chlorophenol	7.26	128	69235	4.527	ng	93
9) Benzaldehyde	6.85	77	64201	5.634	ng	93
10) Phenol	6.90	94	90242	4.758	ng	93
11) bis(2-Chloroethyl)ether	7.13	93	68022	4.406	ng	94
12) 1,3-Dichlorobenzene	7.58	146	77619	4.454	ng	99
13) 1,4-Dichlorobenzene	7.73	146	79762	4.474	ng	97
14) 1,2-Dichlorobenzene	8.04	146	76523	4.449	ng	98
15) Benzyl Alcohol	7.93	79	48537	3.476	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.22	45	115584	4.636	ng	95
17) 2-Methylphenol	8.13	107	58885	4.547	ng	94
18) Hexachloroethane	8.76	117	28477	4.364	ng	94
19) n-Nitroso-di-n-propylamine	8.49	70	55804	4.158	ng	98
20) 3+4-Methylphenols	8.46	107	77984	4.316	ng	93
22) Acetophenone	8.50	105	109158	4.899	ng	96
24) Nitrobenzene	8.88	77	88239	5.081	ng	95
25) Isophorone	9.40	82	147282	5.119	ng	95
26) 2-Nitrophenol	9.59	139	34715	4.138	ng	94
27) 2,4-Dimethylphenol	9.65	122	61836	5.300	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	92163	4.959	ng	99
29) 2,4-Dichlorophenol	10.12	162	63374	4.658	ng	90
30) 1,2,4-Trichlorobenzene	10.33	180	71635	4.649	ng	98
31) Naphthalene	10.52	128	225696	5.204	ng	98
32) Benzoic acid	9.73	122	21792	2.201	ng	# 88
33) 4-Chloroaniline	10.63	127	68837	3.567	ng	99
34) Hexachlorobutadiene	10.80	225	42643	4.520	ng	95
35) Caprolactam	11.38	113	16397	3.532	ng	# 57
36) 4-Chloro-3-methylphenol	11.76	107	69010	4.461	ng	97
37) 2-Methylnaphthalene	12.13	142	163495	5.345	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	80395	4.887	ng	98
40) Hexachlorocyclopentadiene	12.48	237	43093	4.638	ng	91

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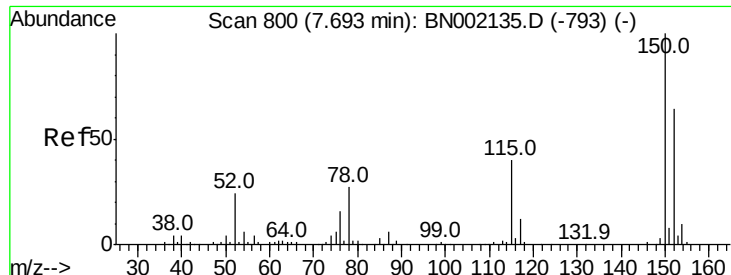
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	48636	4.407	nq	97
43) 2,4,5-Trichlorophenol	12.82	196	52463	4.487	nq	97
45) 1,1'-Biphenyl	13.15	154	213503	4.959	nq	99
46) 2-Chloronaphthalene	13.19	162	161054	4.847	nq	99
47) 2-Nitroaniline	13.40	65	44340	4.147	nq	98
48) Acenaphthylene	14.04	152	259547	5.147	nq	98
49) Dimethylphthalate	13.78	163	196227	4.829	nq	99
50) 2,6-Dinitrotoluene	13.90	165	40423	4.477	nq	99
51) Acenaphthene	14.39	154	153546	5.055	nq	97
52) 3-Nitroaniline	14.23	138	33996	3.475	nq	# 80
53) 2,4-Dinitrophenol	14.45	184	13166	2.754	nq	94
54) Dibenzofuran	14.72	168	245810	4.991	nq	96
55) 4-Nitrophenol	14.55	139	27068	3.604	nq	91
56) 2,4-Dinitrotoluene	14.69	165	52546	4.288	nq	90
57) Fluorene	15.37	166	192648	5.190	nq	96
58) 2,3,4,6-Tetrachlorophenol	14.95	232	43708m	4.347	nq	
59) Diethylphthalate	15.15	149	193357	4.675	nq	98
60) 4-Chlorophenyl-phenylether	15.37	204	97497	4.747	nq	99
61) 4-Nitroaniline	15.39	138	39063	3.917	nq	92
62) Azobenzene	15.66	77	190368	4.796	nq	98
64) 4,6-Dinitro-2-methylphenol	15.46	198	21164	3.027	nq	98
65) n-Nitrosodiphenylamine	15.59	169	163087	4.746	nq	97
66) 4-Bromophenyl-phenylether	16.26	248	57306	4.727	nq	# 89
67) Hexachlorobenzene	16.38	284	64360	4.799	nq	99
68) Atrazine	16.54	200	49883	4.311	nq	94
69) Pentachlorophenol	16.73	266	22582	2.616	nq	99
70) Phenanthrene	17.11	178	295024	5.219	nq	99
71) Anthracene	17.20	178	288743	5.160	nq	97
72) Carbazole	17.47	167	249420	4.443	nq	96
73) Di-n-butylphthalate	18.05	149	269697	4.118	nq	98
74) Fluoranthene	19.13	202	295168	4.809	nq	96
76) Benzidine	19.32	184	71495	2.432	nq	98
77) Pyrene	19.50	202	302733	4.871	nq	100
79) Butylbenzylphthalate	20.41	149	104621	3.867	nq	94
80) Benzo(a)anthracene	21.25	228	280257	5.102	nq	97
81) 3,3'-Dichlorobenzidine	21.19	252	64479	3.013	nq	# 95
82) Chrysene	21.30	228	264683	5.061	nq	96
83) Bis(2-ethylhexyl)phthalate	21.19	149	151049	4.004	nq	96
84) Di-n-octyl phthalate	22.07	149	246608	4.123	nq	98
85) Indeno(1,2,3-cd)pyrene	25.72	276	268213	5.260	nq	# 94
87) Benzo(b)fluoranthene	22.83	252	259893	5.277	nq	97
88) Benzo(k)fluoranthene	22.87	252	244558	5.042	nq	# 97
89) Benzo(a)pyrene	23.39	252	239232	5.201	nq	# 98
90) Dibenzo(a,h)anthracene	25.73	278	227048	5.258	nq	# 95
91) Benzo(g,h,i)perylene	26.40	276	223631	5.359	nq	# 95

(#) = 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: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

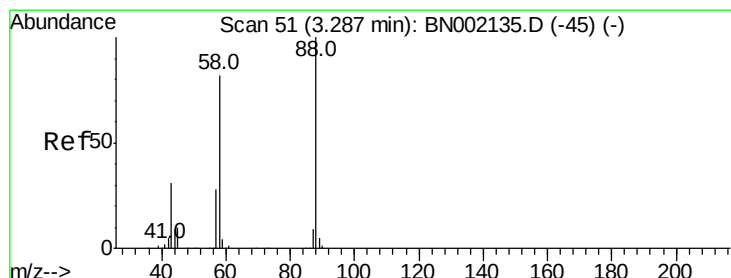
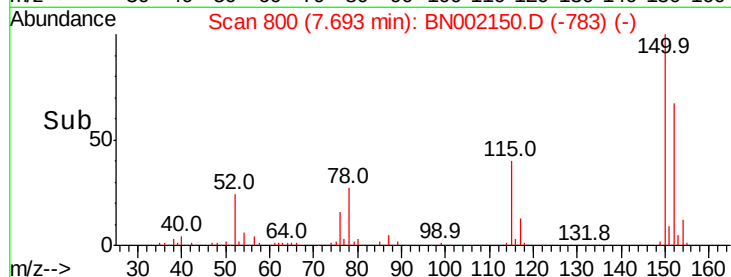
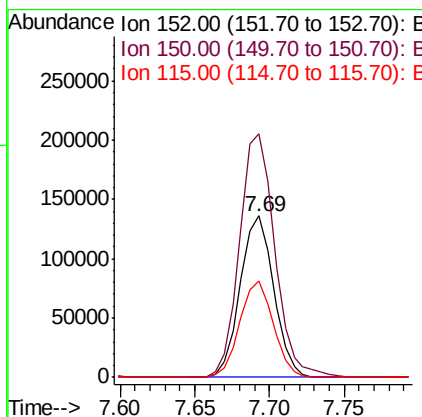
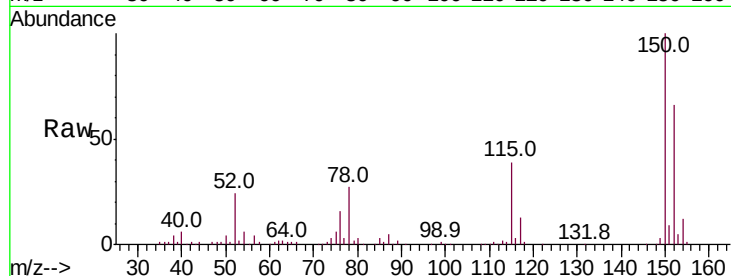
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	152	Resp:	212285
Ion Ratio	Lower	Upper	
152	100		
150	150.9	126.6	189.8
115	59.5	53.0	79.4

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#2

1,4-Dioxane

Concen: 4.908 ng

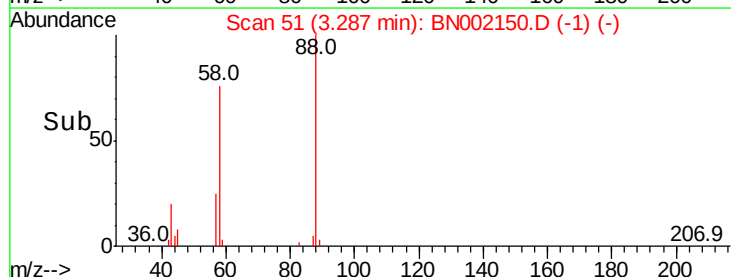
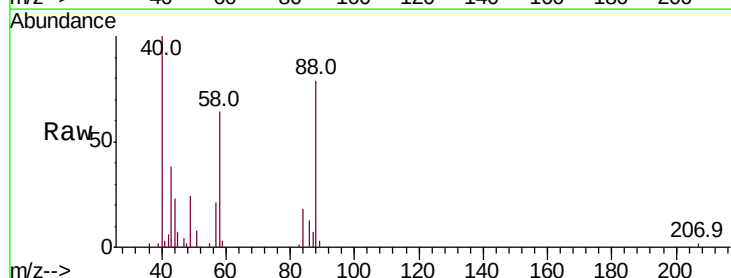
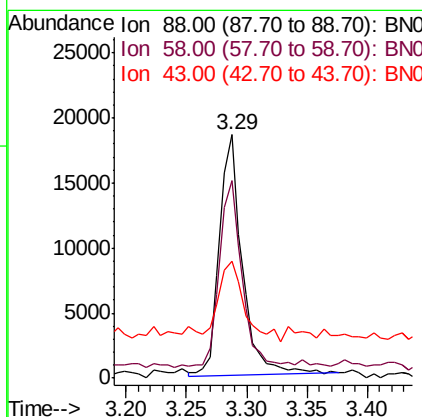
RT: 3.29 min Scan# 51

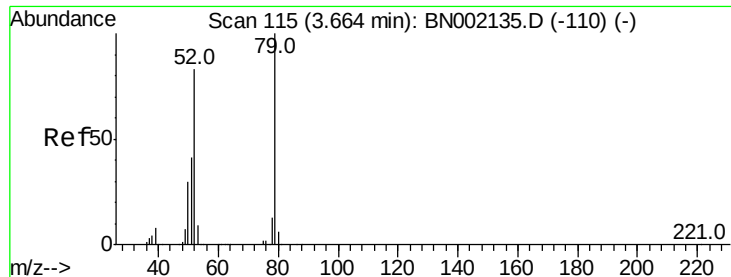
Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	88	Resp:	24297
Ion Ratio	Lower	Upper	
88	100		
58	76.6	52.0	78.0
43	37.9	20.0	30.0#





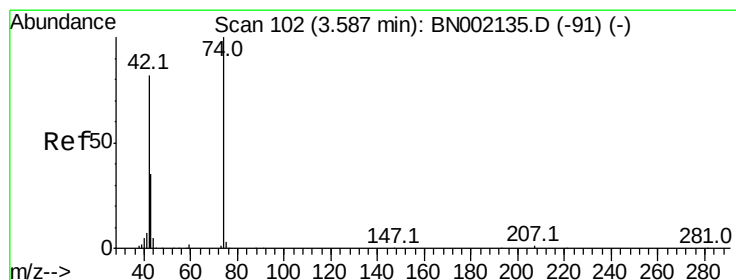
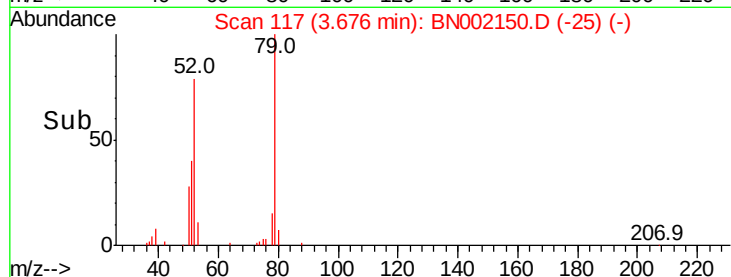
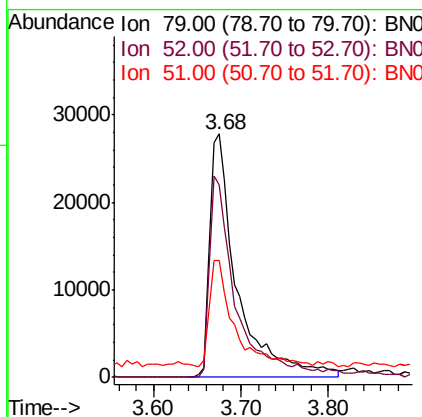
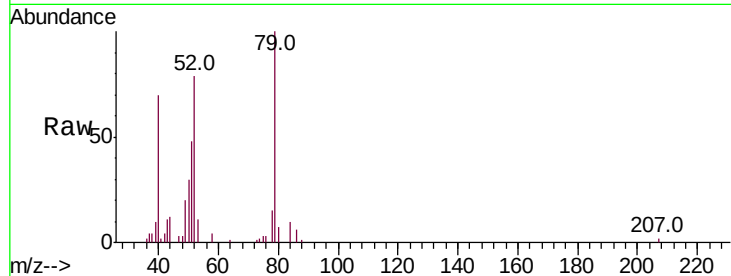
#3
 Pvridine
 Concen: 4.249 ng
 RT: 3.68 min Scan# 117
 Delta R.T. 0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	78.9	44.0	66.0#
51	47.9	24.0	36.0#

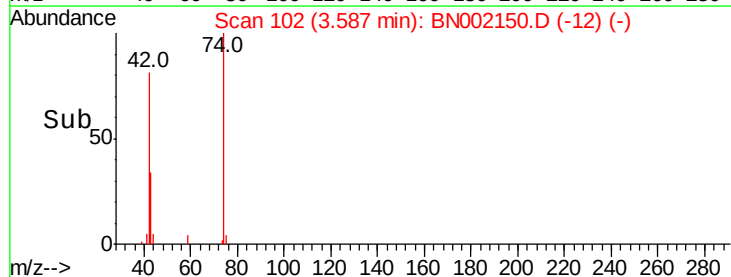
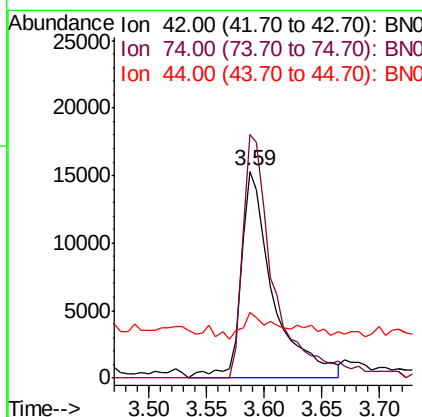
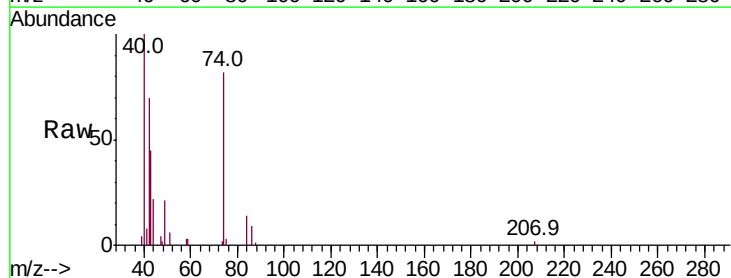
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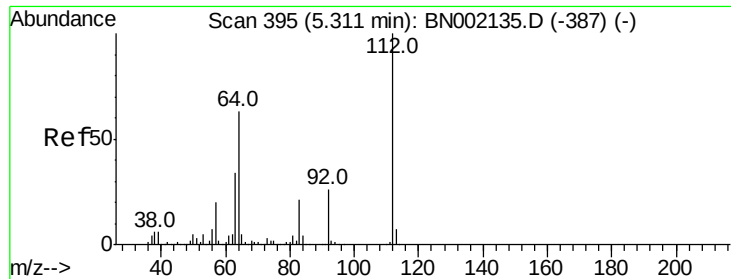
Sohil
 7/27/2018 11:35:45 AM



#4
 n-Nitrosodimethylamine
 Concen: 4.830 ng
 RT: 3.59 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
42	100		
74	117.6	128.0	192.0#
44	32.0	12.0	18.0#





#5

2-Fluorophenol

Concen: 123.592 ng

RT: 5.31 min Scan# 395

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:112 Resp: 1629685

Ion Ratio Lower Upper

112 100

64 63.1 56.3 84.5

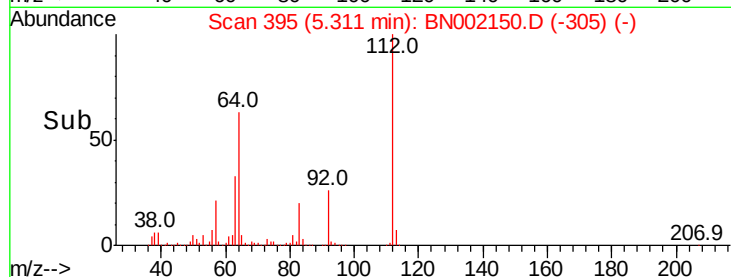
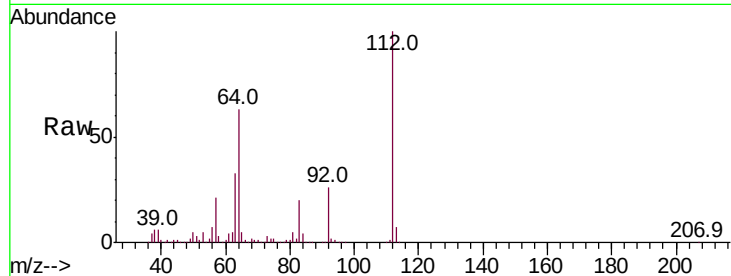
63 32.9 30.1 45.1

Manual Integrations

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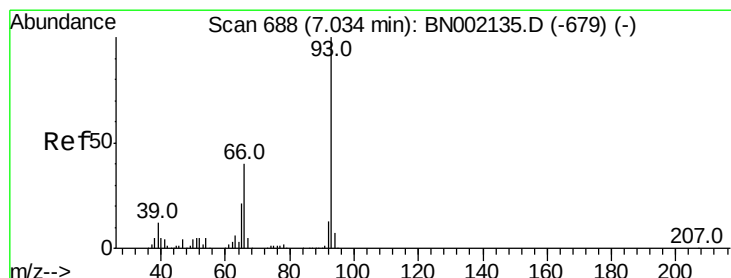
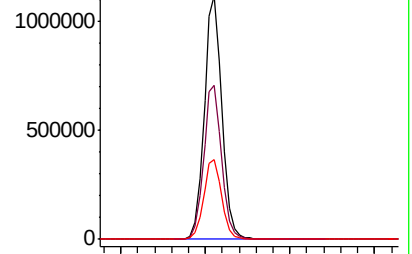
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Abundance Ion 112.00 (111.70 to 112.70): B

1500000 Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 3.593 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

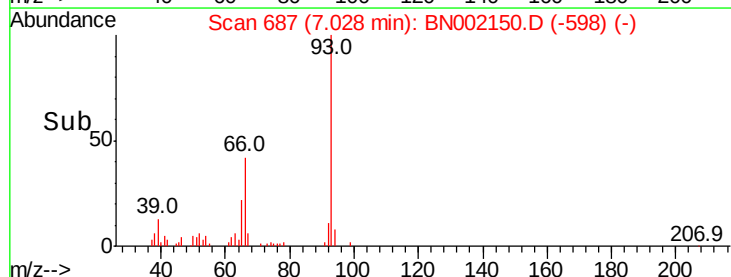
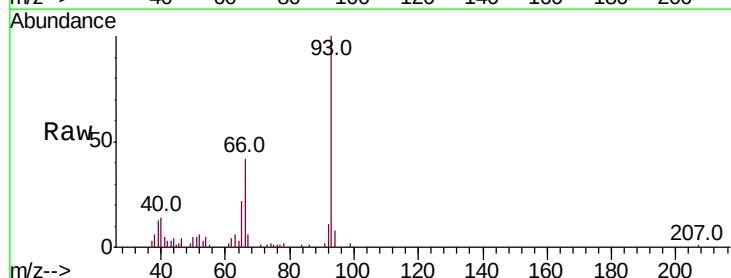
Tgt Ion: 93 Resp: 81207

Ion Ratio Lower Upper

93 100

66 42.1 33.7 50.5

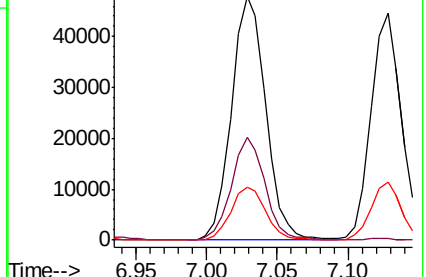
65 21.9 16.1 24.1

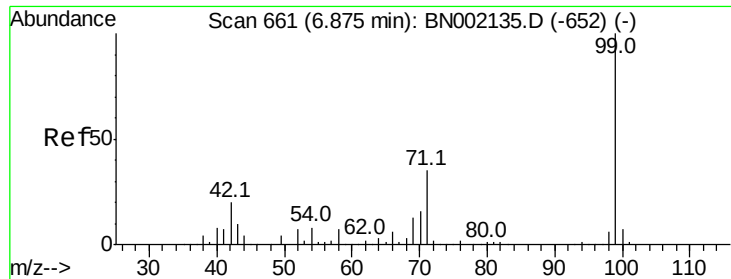


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 117.916 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 2181934

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

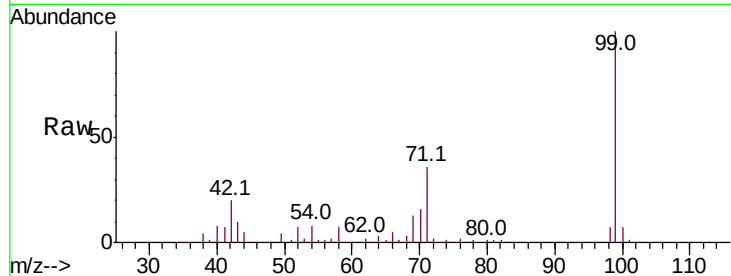
71 36.0 26.1 39.1

Manual Integrations

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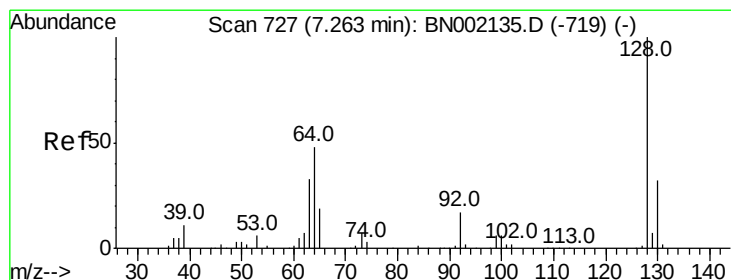
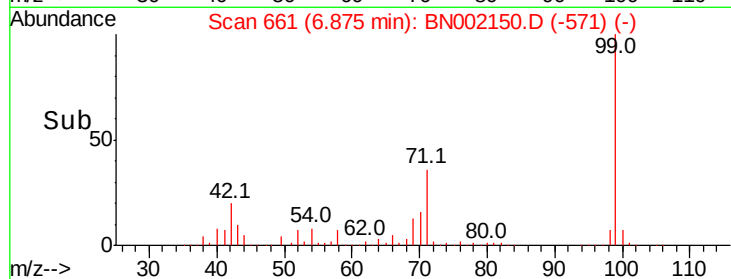
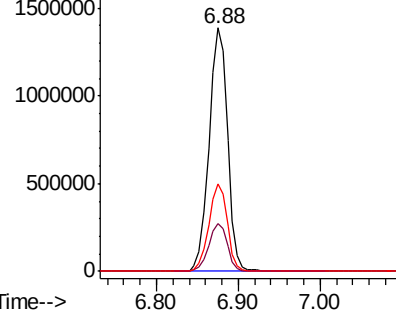
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Abundance Ion 99.00 (98.70 to 99.70): BN002150.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BN002150.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BN002150.D (-652) (-)



#8

2-Chlorophenol

Concen: 4.527 ng

RT: 7.26 min Scan# 727

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

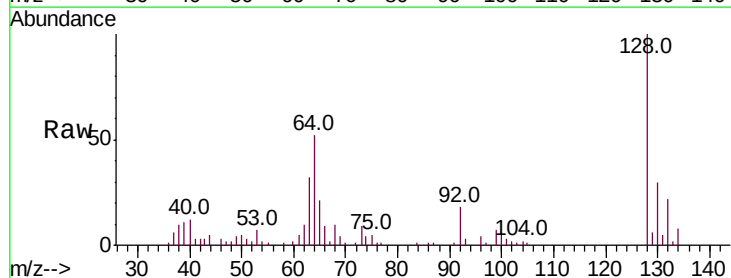
Tgt Ion:128 Resp: 69235

Ion Ratio Lower Upper

128 100

130 30.3 14.0 54.0

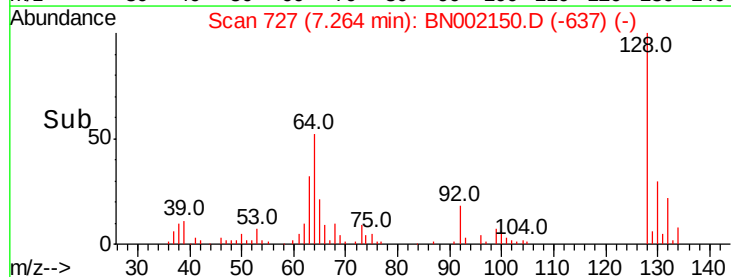
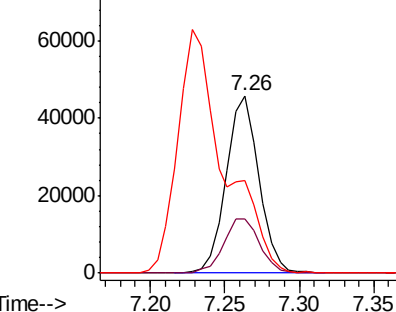
64 52.1 37.7 77.7

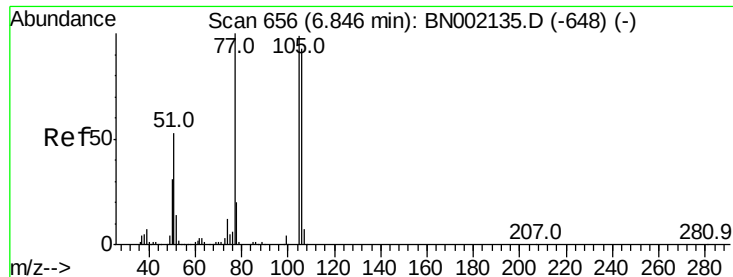


Abundance Ion 128.00 (127.70 to 128.70): BN002150.D (-637) (-)

Ion 130.00 (129.70 to 130.70): BN002150.D (-637) (-)

Ion 64.00 (63.70 to 64.70): BN002150.D (-637) (-)





#9

Benzaldehyde

Concen: 5.634 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

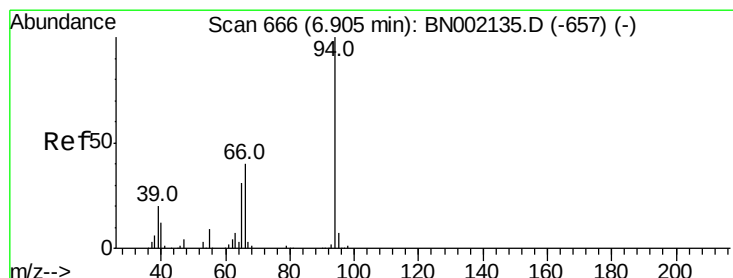
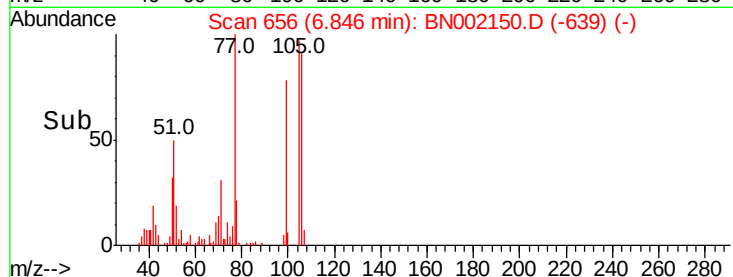
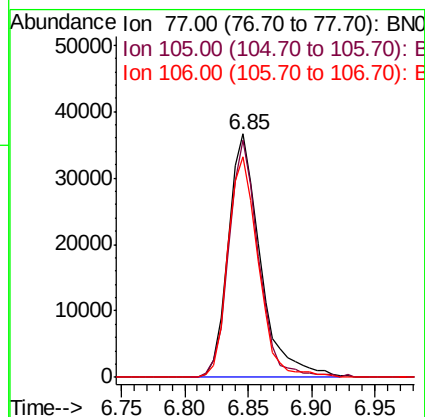
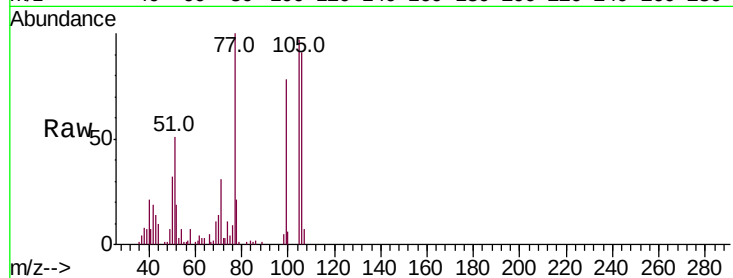
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	77	Resp:	64201
Ion	Ratio	Lower	Upper
77	100		
105	97.4	71.3	111.3
106	90.8	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 4.758 ng

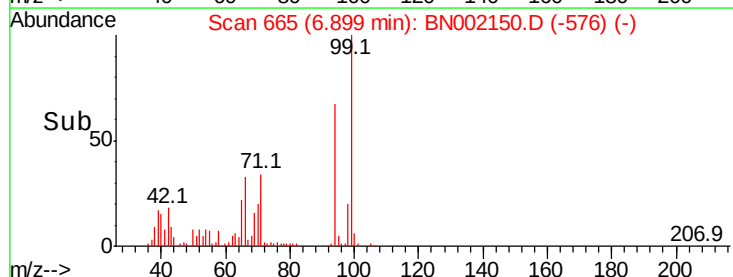
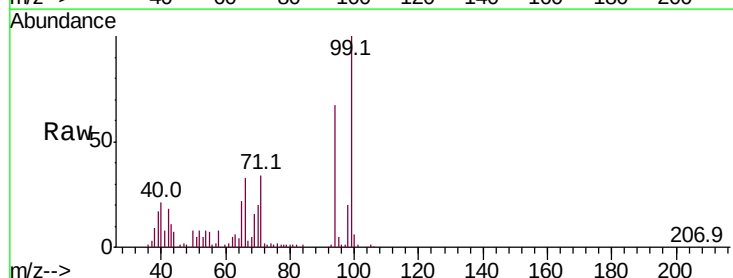
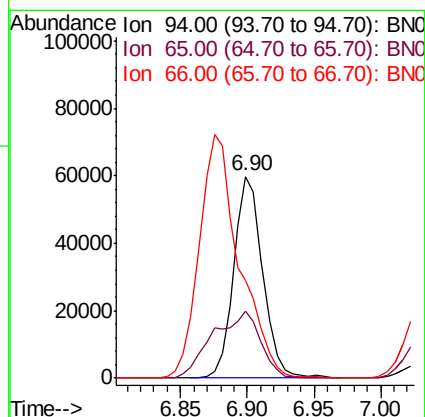
RT: 6.90 min Scan# 665

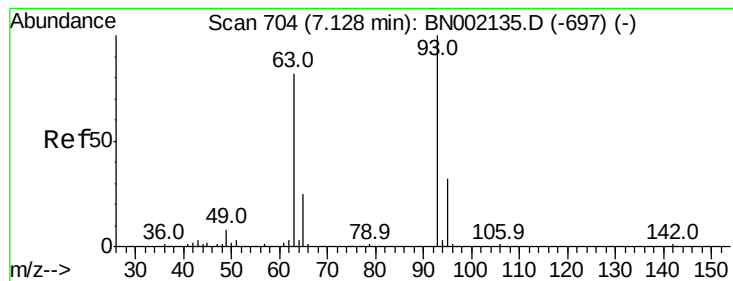
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	94	Resp:	90242
Ion	Ratio	Lower	Upper
94	100		
65	33.5	11.9	51.9
66	48.7	22.2	62.2





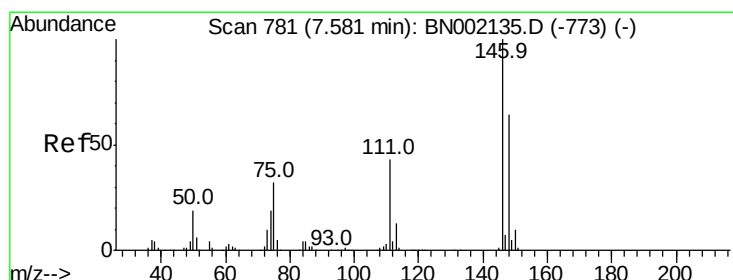
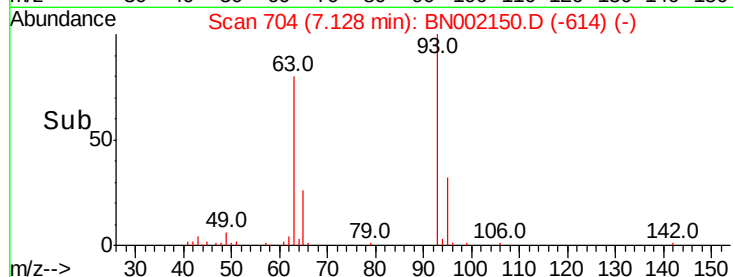
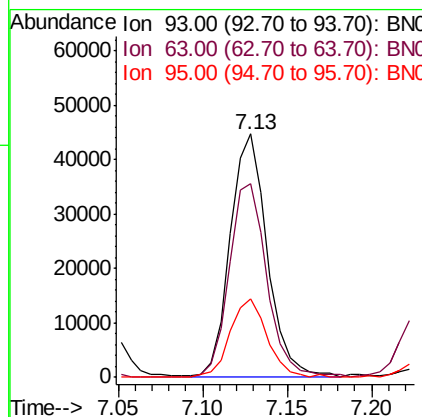
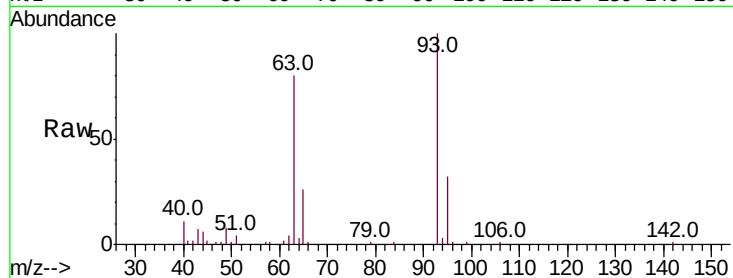
#11
bis(2-Chloroethyl)ether
Concen: 4.406 ng
RT: 7.13 min Scan# 704
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion: 93 Resp: 68022
Ion Ratio Lower Upper
93 100
63 79.6 67.1 107.1
95 32.0 11.5 51.5

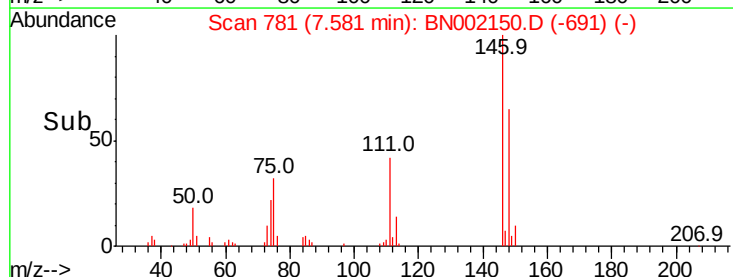
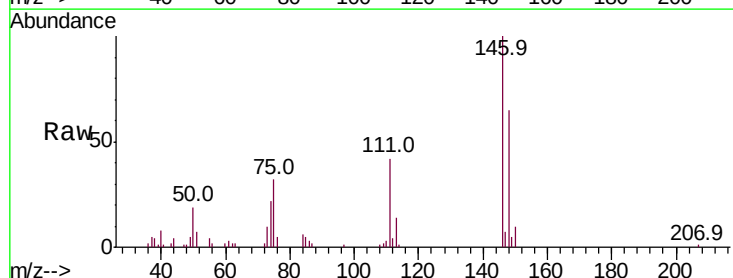
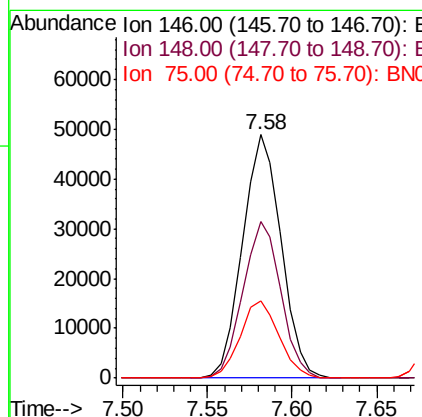
Manual Integrations
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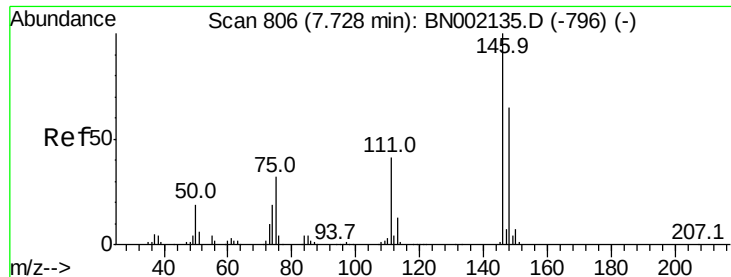
Sohil
7/27/2018 11:35:45 AM



#12
1,3-Dichlorobenzene
Concen: 4.454 ng
RT: 7.58 min Scan# 781
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion: 146 Resp: 77619
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.2
75 31.9 26.6 39.8





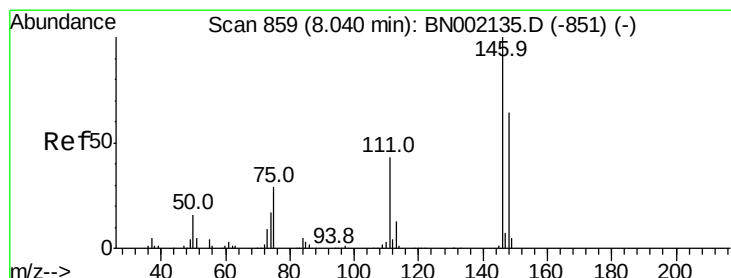
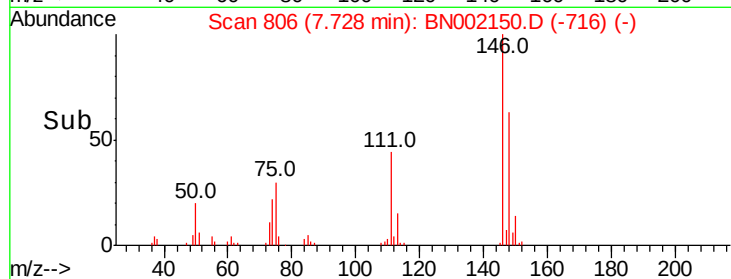
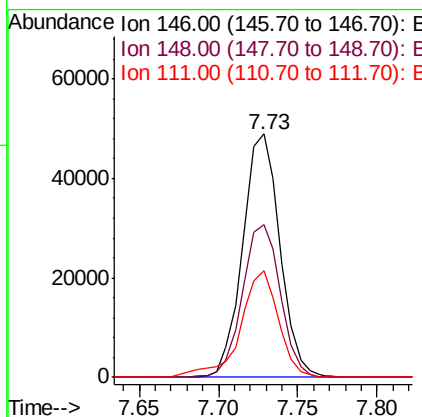
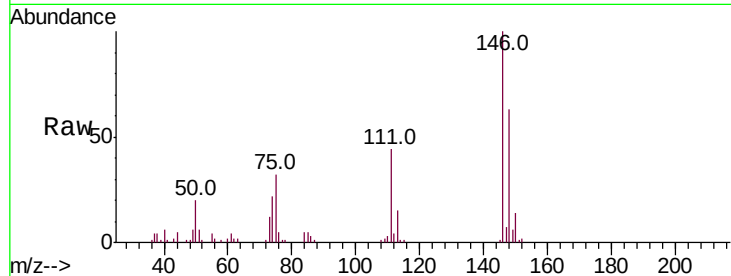
#13
 1,4-Dichlorobenzene
 Concen: 4.474 ng
 RT: 7.73 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	53.7	80.5
111	43.8	35.2	52.8

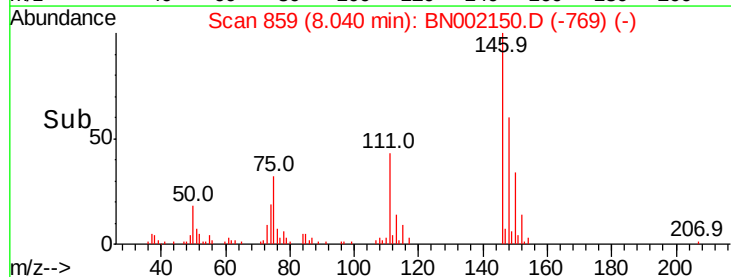
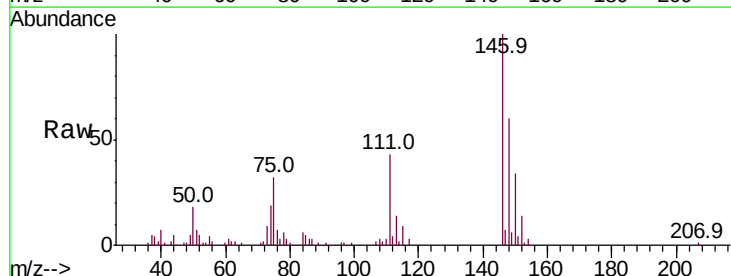
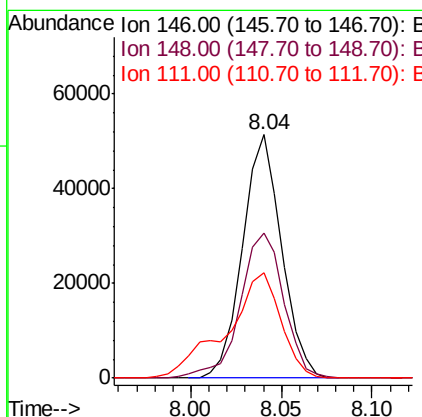
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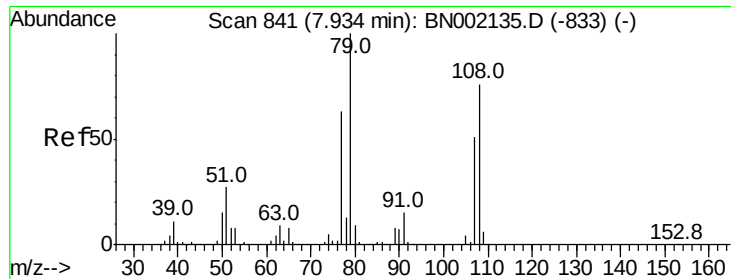
Sohil
 7/27/2018 11:35:45 AM



#14
 1,2-Dichlorobenzene
 Concen: 4.449 ng
 RT: 8.04 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.8	49.3	73.9
111	43.5	34.3	51.5





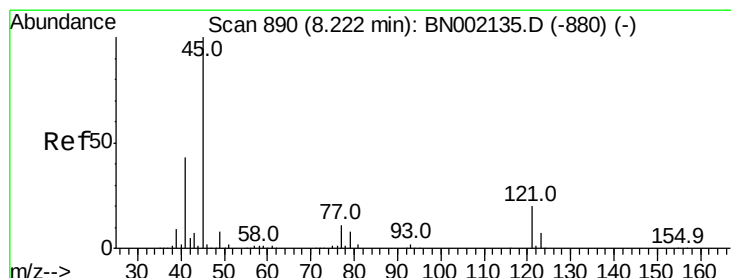
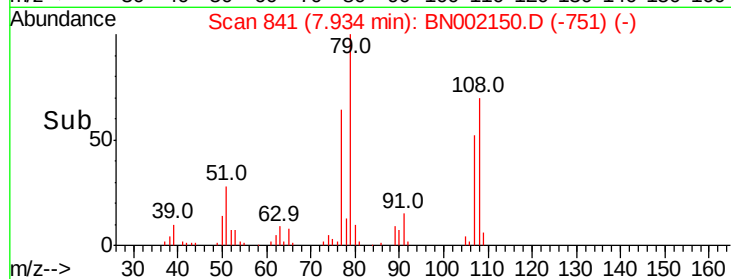
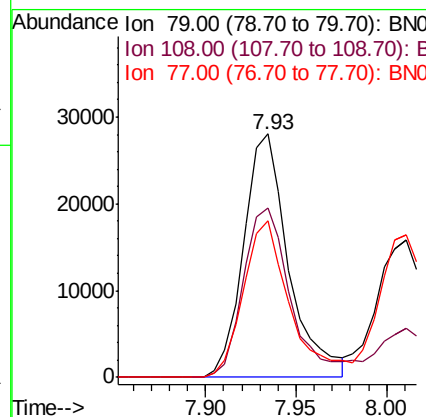
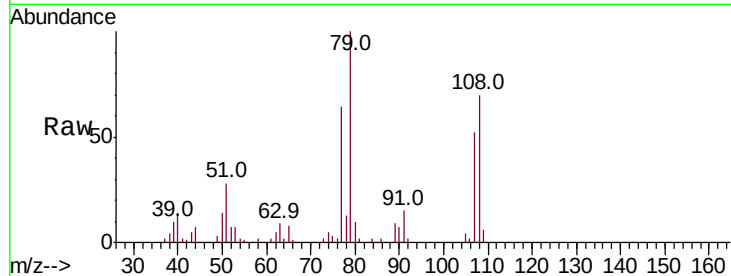
#15
Benzyl Alcohol
Concen: 3.476 ng
RT: 7.93 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
79	100		
108	69.5	57.2	85.8
77	64.2	46.1	69.1

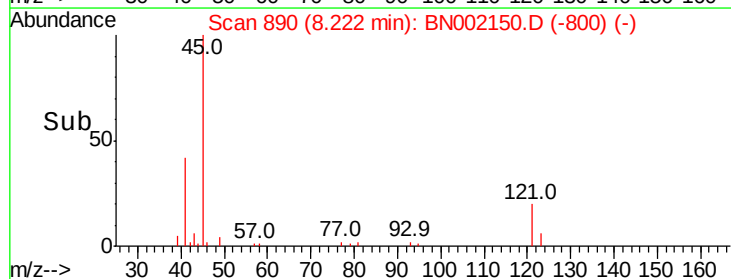
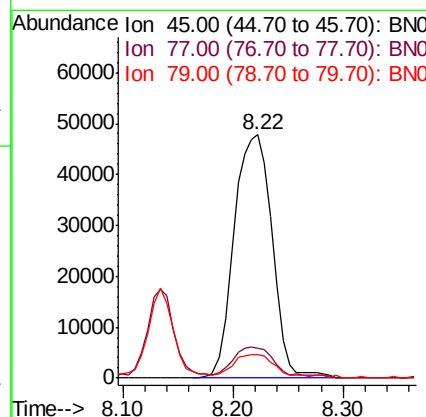
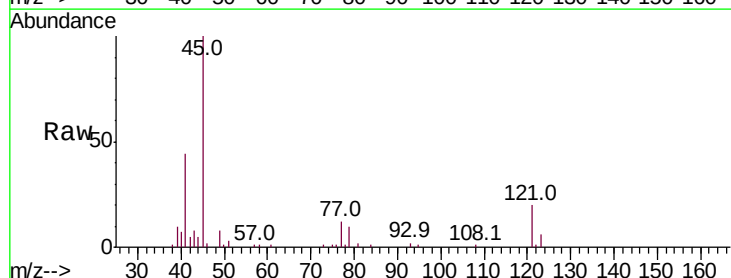
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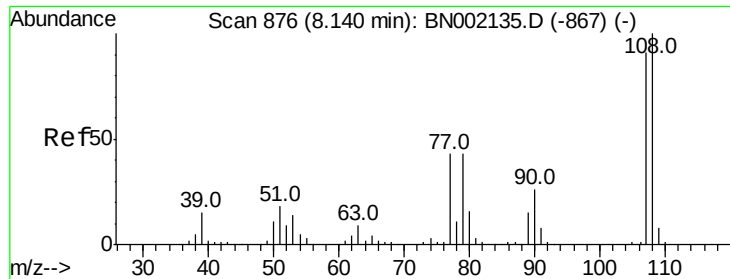
Sohil
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#16
2,2'-oxybis(1-chloropropane)
Concen: 4.636 ng
RT: 8.22 min Scan# 890
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	30.2
79	9.6	0.0	27.9





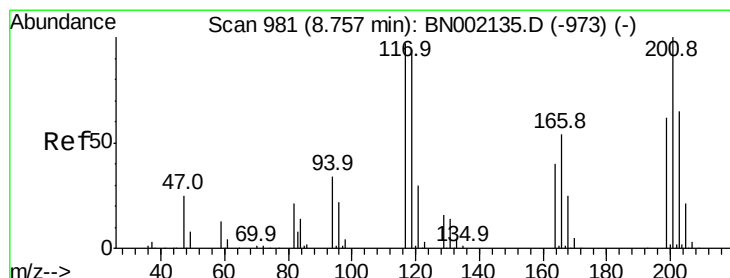
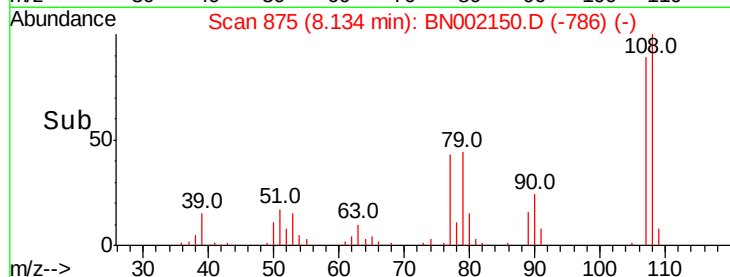
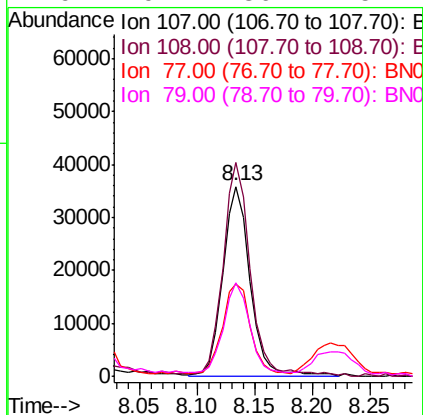
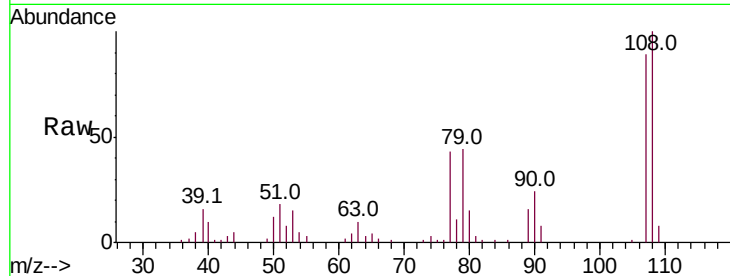
#17
2-Methylphenol
Concen: 4.547 ng
RT: 8.13 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	83.9	125.9	
77	48.7	37.2	55.8	
79	49.1	36.2	54.2	

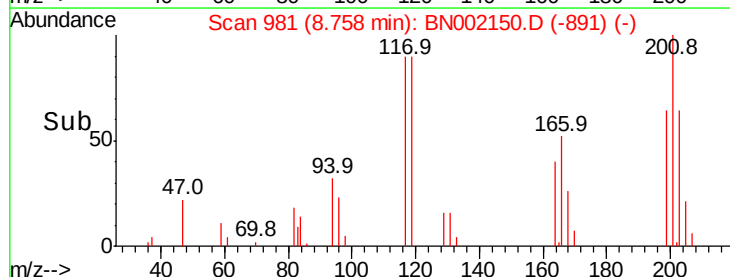
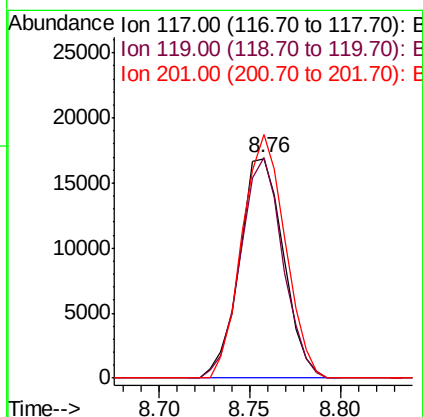
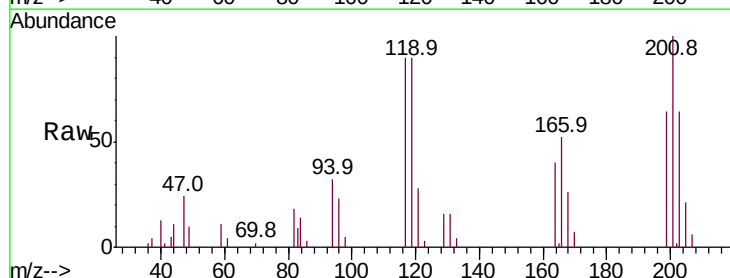
Manual Integrations
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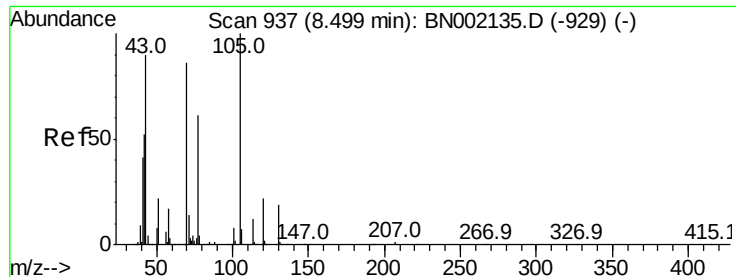
Sohil
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#18
Hexachloroethane
Concen: 4.364 ng
RT: 8.76 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.4	76.7	115.1	
201	111.0	95.7	143.5	





#19

n-Nitroso-di-n-propylamine

Concen: 4.158 ng

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

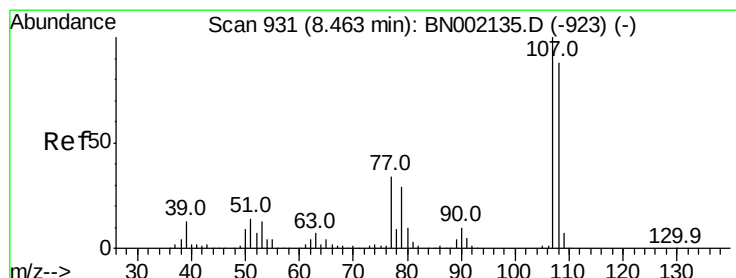
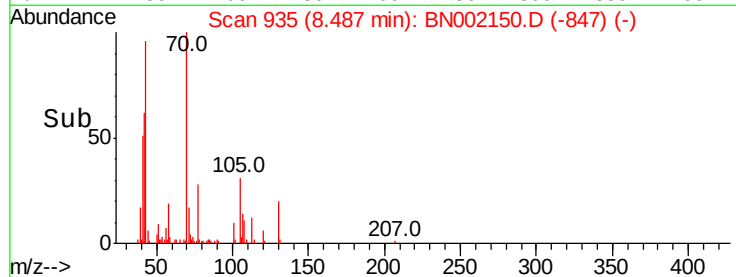
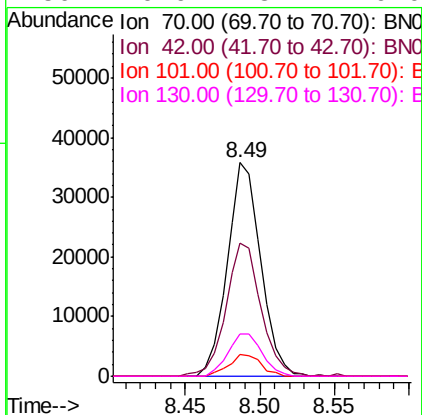
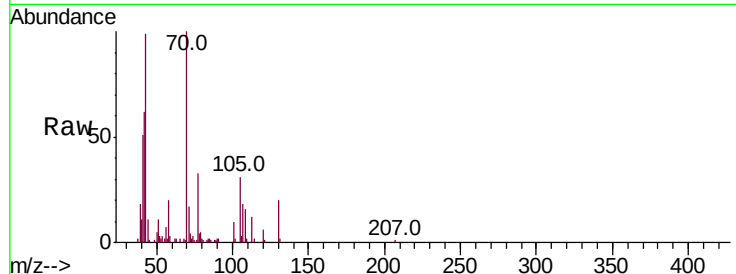
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.2	49.1	73.7
101	10.5	8.5	12.7
130	19.9	13.4	20.0

Manual Integrations
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#20

3+4-Methylphenols

Concen: 4.316 ng

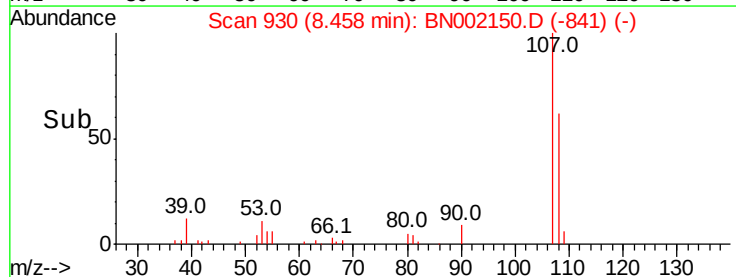
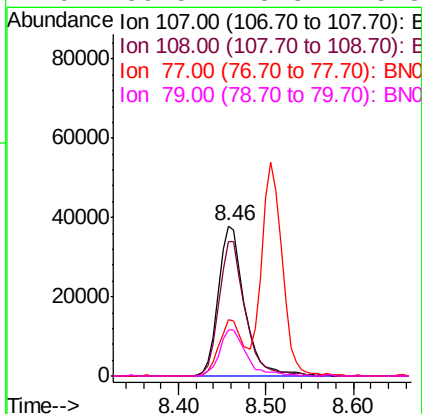
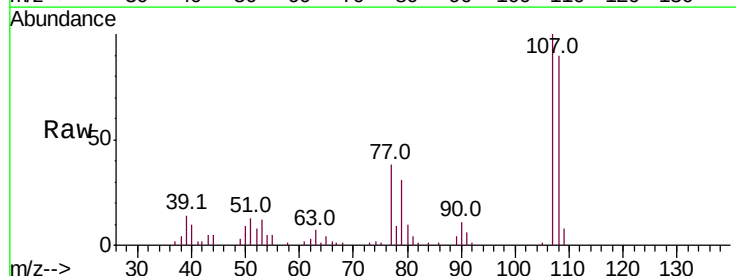
RT: 8.46 min Scan# 930

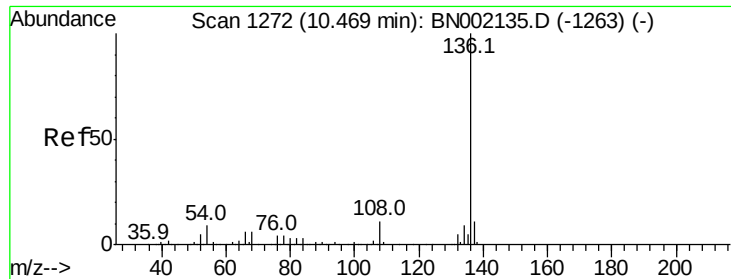
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	61.6	101.6
77	37.8	13.9	53.9
79	30.5	8.8	48.8





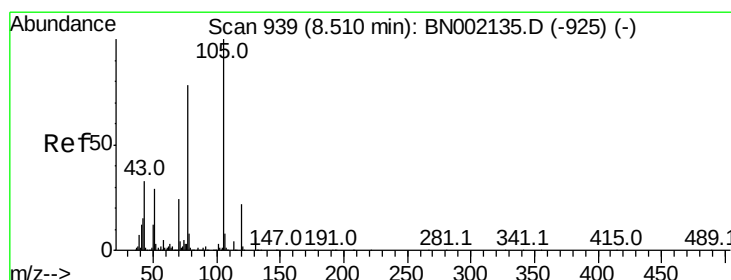
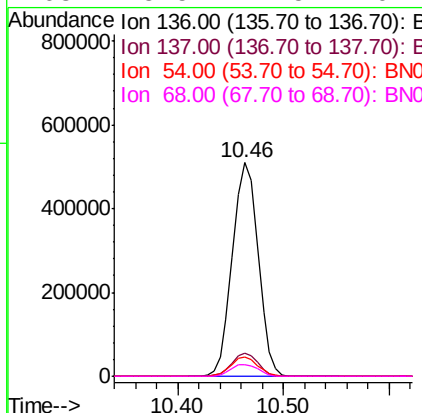
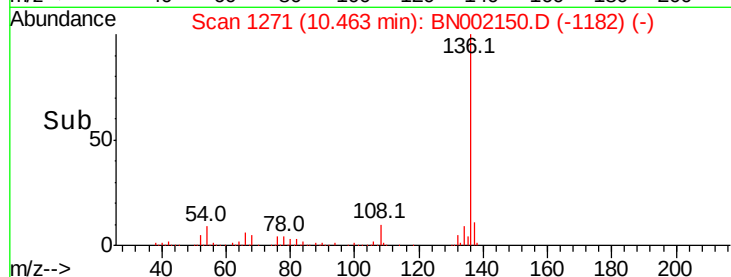
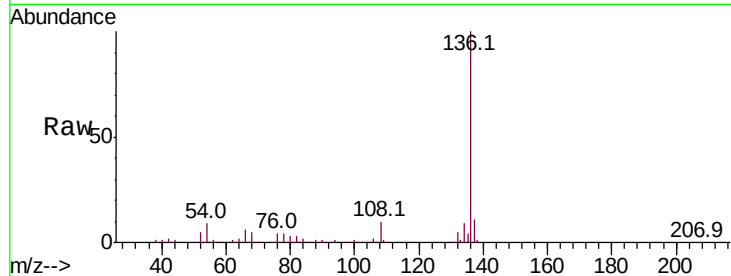
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.2	13.8	
54	9.0	10.3	15.5	
68	5.5	4.5	6.7	

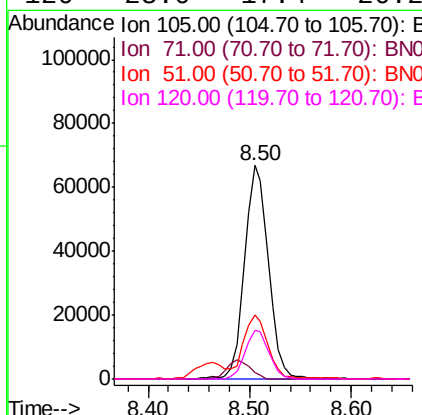
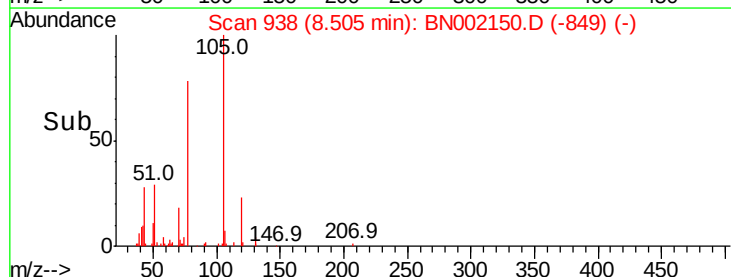
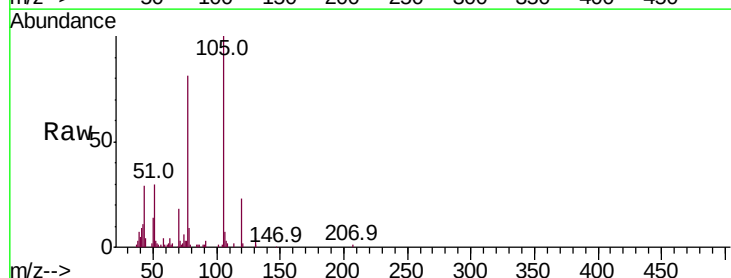
Manual Integrations
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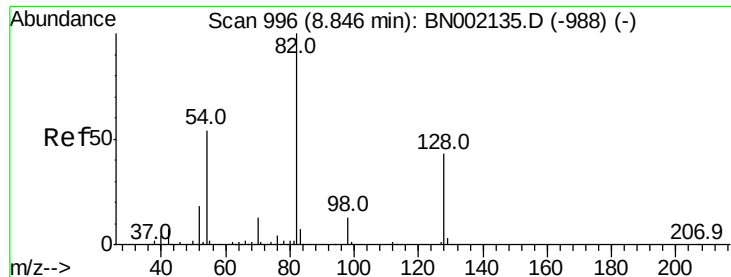
Sohil
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#22
Acetophenone
Concen: 4.899 ng
RT: 8.50 min Scan# 938
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.1	3.0	4.4	
51	29.9	26.1	39.1	
120	23.0	17.4	26.2	





#23

Nitrobenzene-d5

Concen: 87.797 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 82 Resp: 1471185

Ion Ratio Lower Upper

82 100

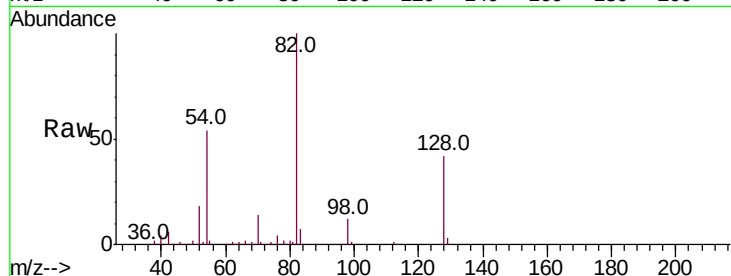
128 42.4 29.7 44.5

54 54.4 43.1 64.7

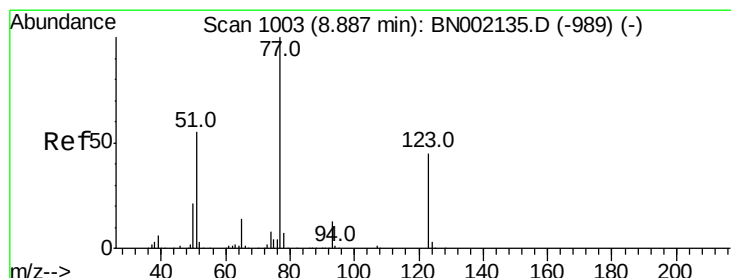
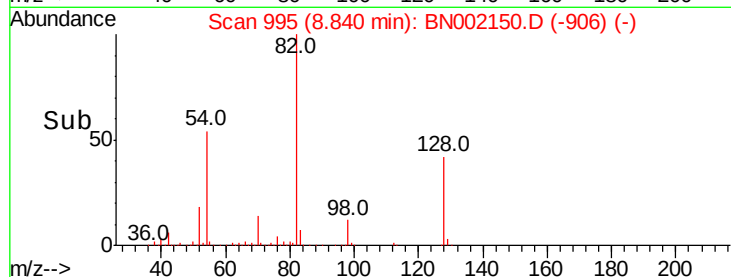
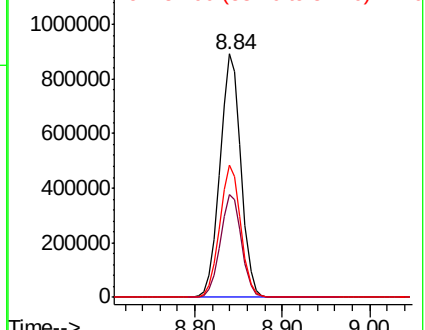
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Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0



#24

Nitrobenzene

Concen: 5.081 ng

RT: 8.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

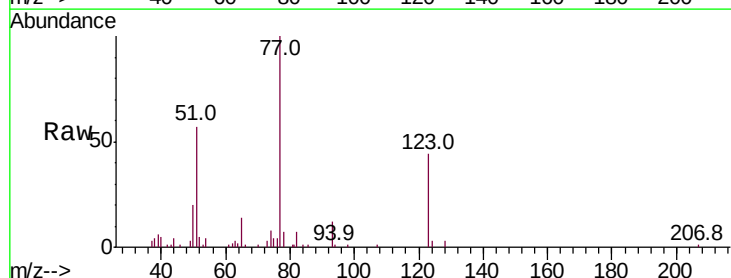
Tgt Ion: 77 Resp: 88239

Ion Ratio Lower Upper

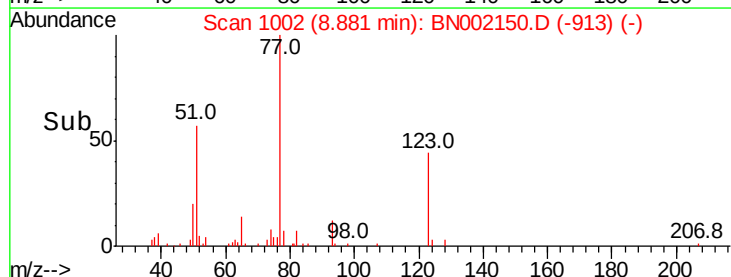
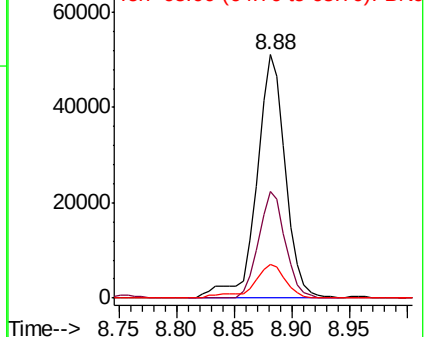
77 100

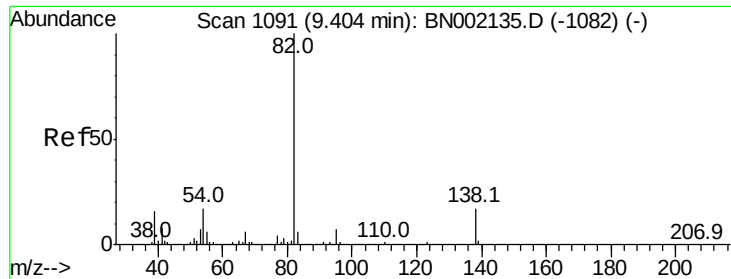
123 43.9 33.0 49.6

65 13.6 13.0 19.6



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BN0





#25

Isophorone

Concen: 5.119 ng

RT: 9.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

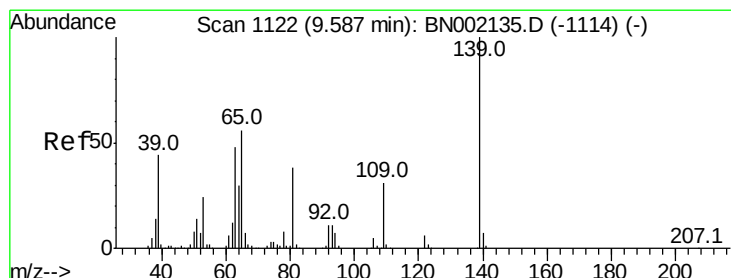
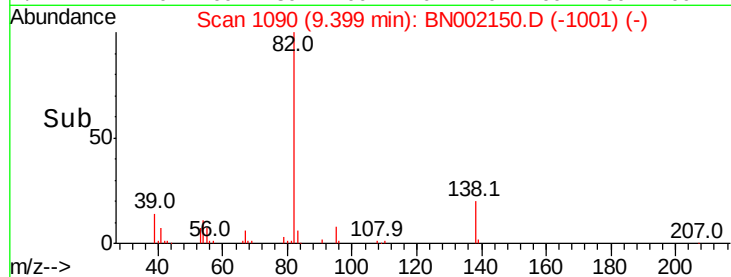
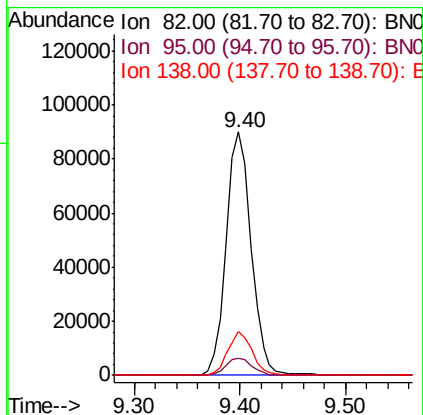
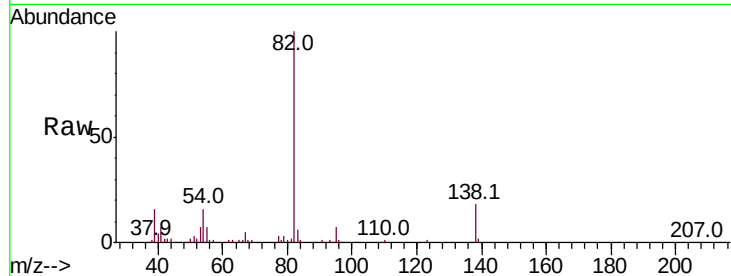
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.2	9.2
138	17.9	12.1	18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 4.138 ng

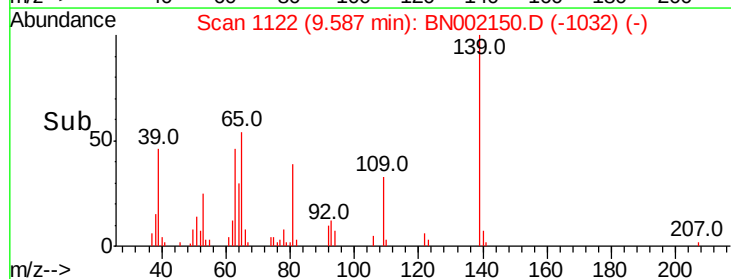
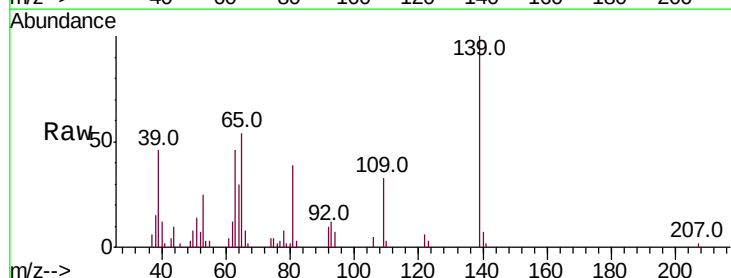
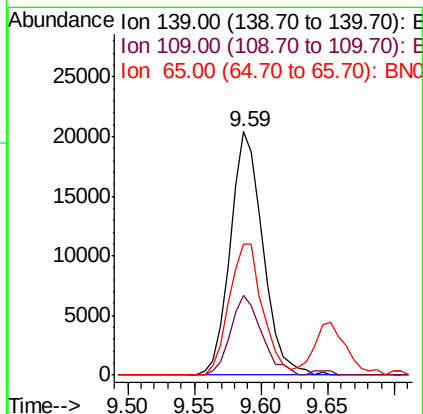
RT: 9.59 min Scan# 1122

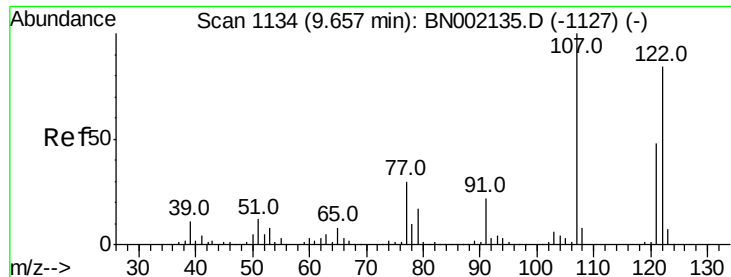
Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.8	24.2	36.2
65	54.0	47.4	71.0





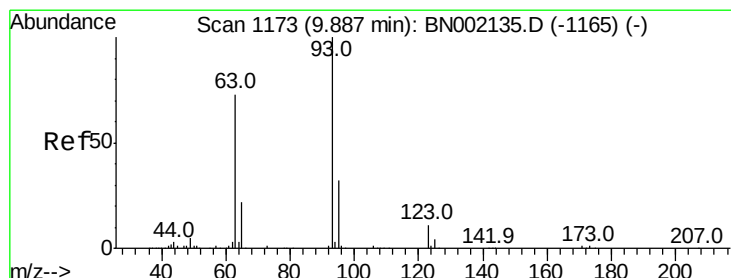
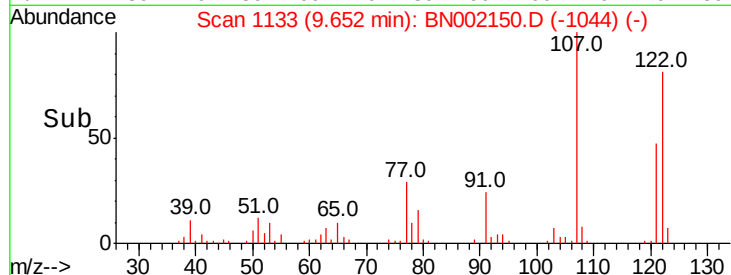
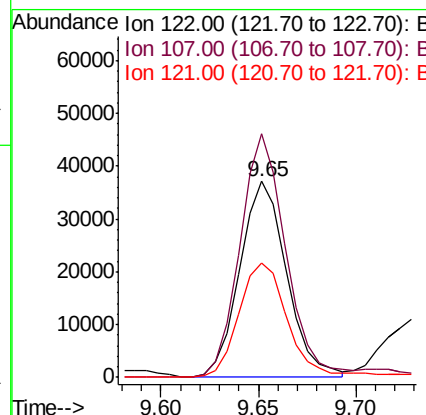
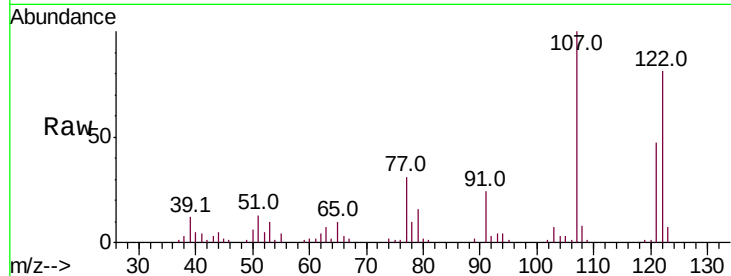
#27
 2,4-Dimethylphenol
 Concen: 5.300 ng
 RT: 9.65 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	124.1	100.2	150.2
121	58.6	44.4	66.6

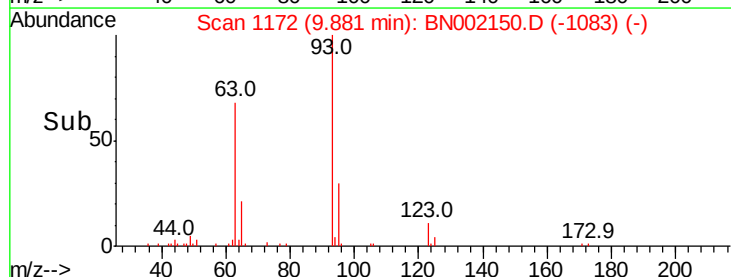
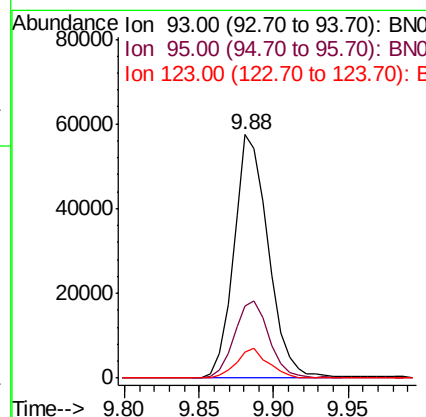
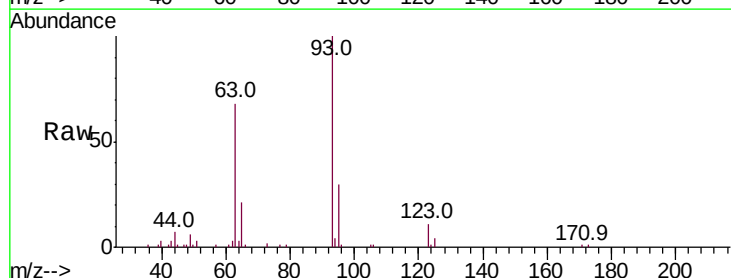
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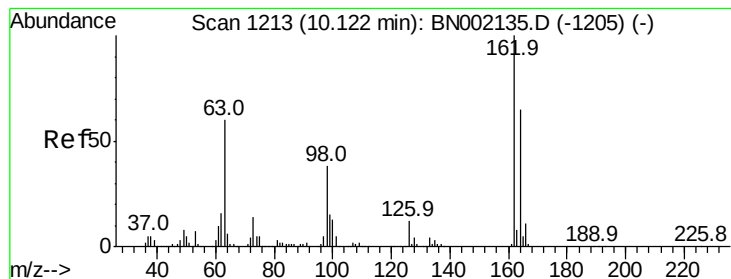
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#28
 bis(2-Chloroethoxy)methane
 Concen: 4.959 ng
 RT: 9.88 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	29.6	24.3	36.5
123	10.7	8.4	12.6





#29

2,4-Dichlorophenol

Concen: 4.658 ng

RT: 10.12 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:162 Resp: 63374

Ion Ratio Lower Upper

162 100

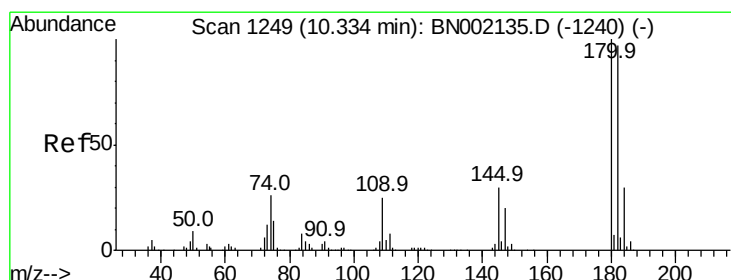
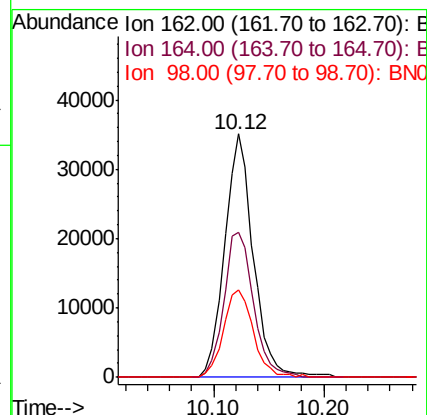
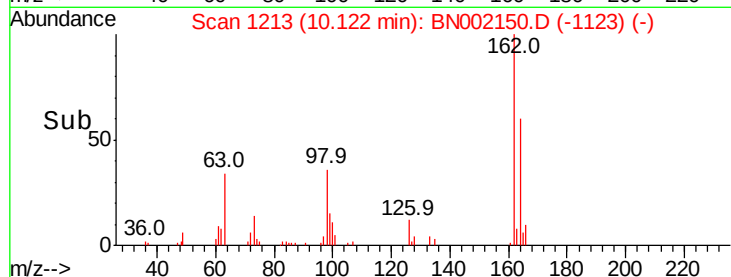
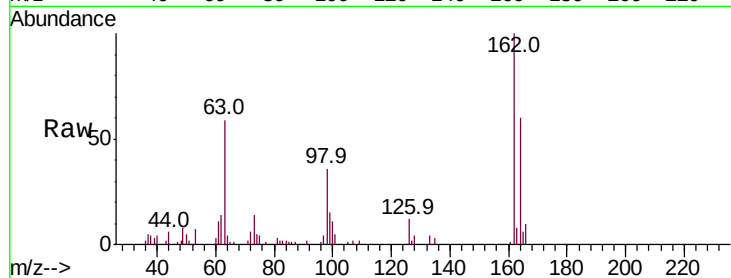
164 59.7 48.0 88.0

98 35.7 21.1 61.1

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#30

1,2,4-Trichlorobenzene

Concen: 4.649 ng

RT: 10.33 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

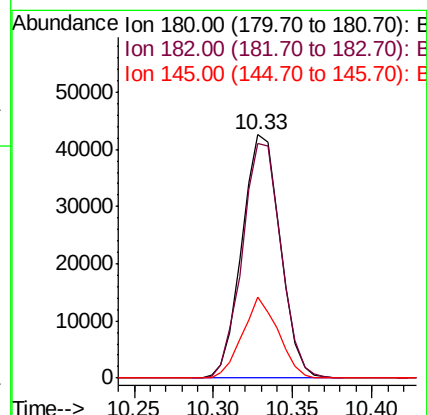
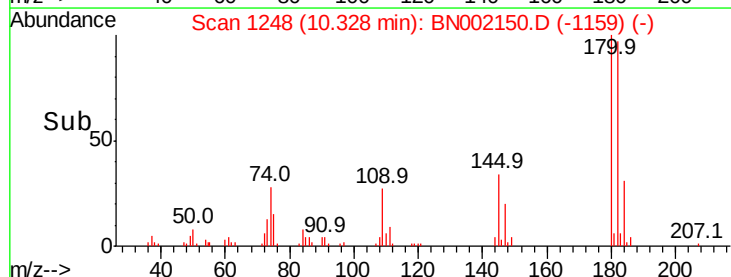
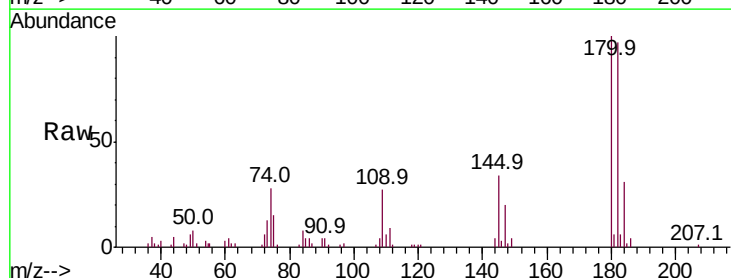
Tgt Ion:180 Resp: 71635

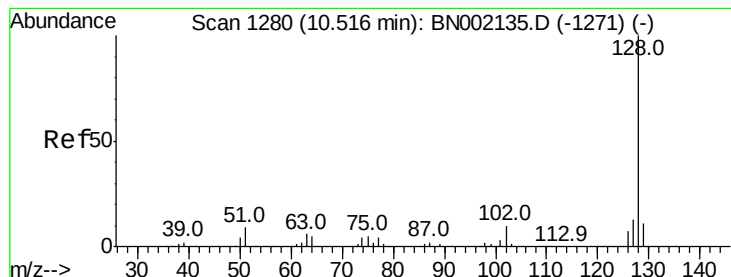
Ion Ratio Lower Upper

180 100

182 96.5 77.5 116.3

145 33.5 23.4 35.2





#31

Naphthalene

Concen: 5.204 ng

RT: 10.52 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

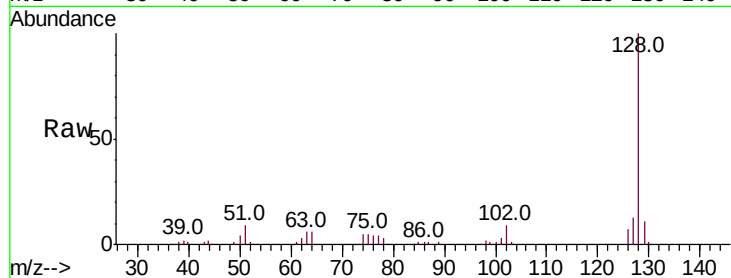
ClientSampleId :

MDL-SOIL-03-QT3-2018

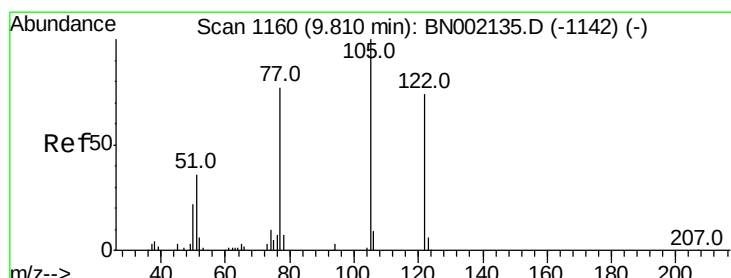
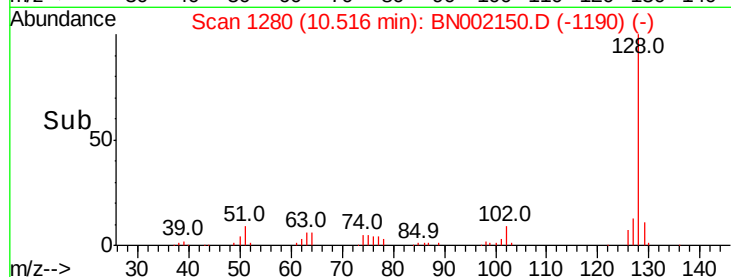
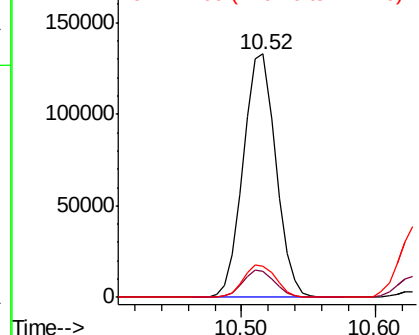
Tot Ion:	128	Resp:	225696
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.6	12.8
127	12.9	11.6	17.4

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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: 2.201 ng

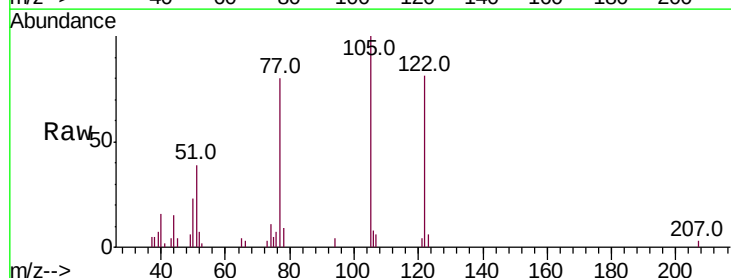
RT: 9.73 min Scan# 1146

Delta R.T. -0.08 min

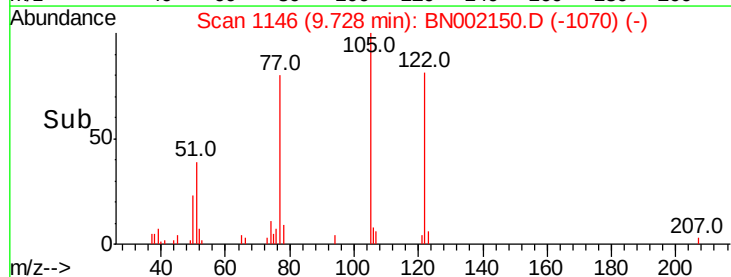
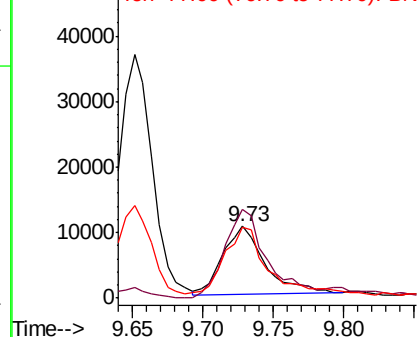
Lab File: BN002150.D

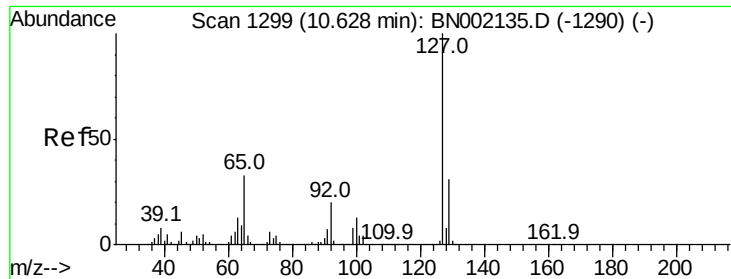
Acq: 25 Jul 2018 23:36

Tgt Ion:	122	Resp:	21792
Ion Ratio	Lower	Upper	
122	100		
105	123.4	123.5	163.5#
77	98.6	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): BNO





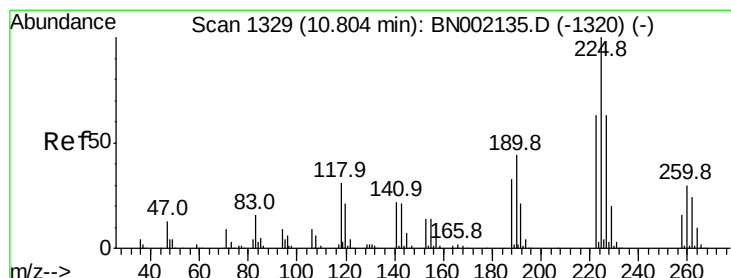
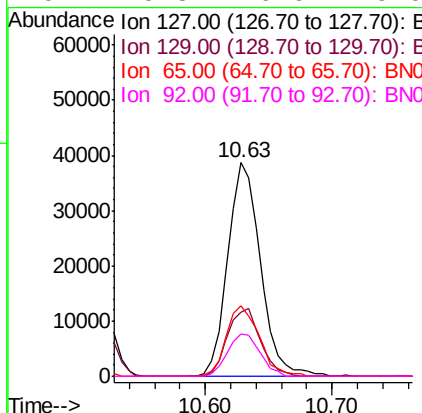
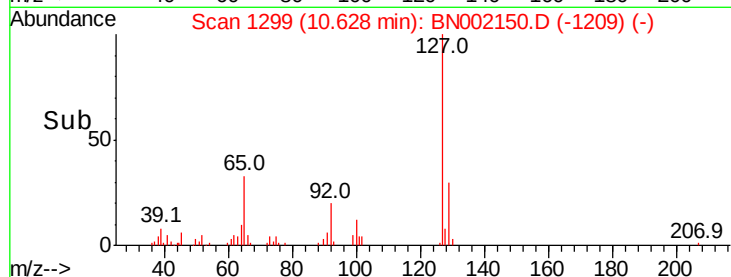
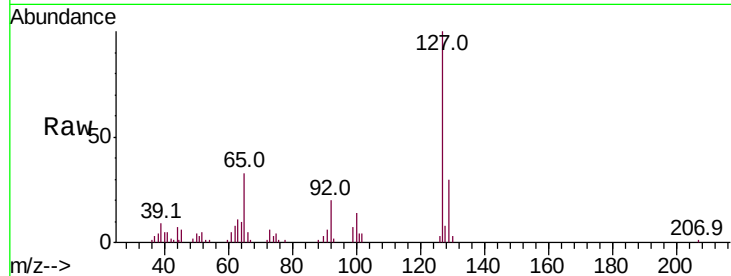
#33
4-Chloroaniline
Concen: 3.567 ng
RT: 10.63 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	29.8	24.0	36.0	
65	32.7	27.0	40.4	
92	19.8	16.6	25.0	

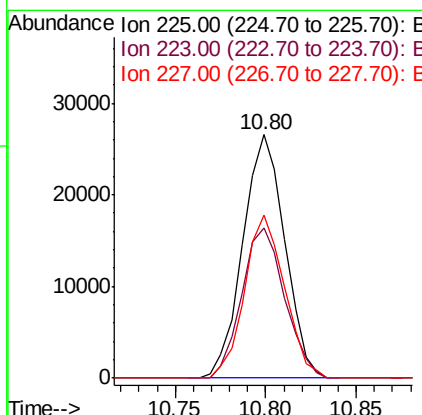
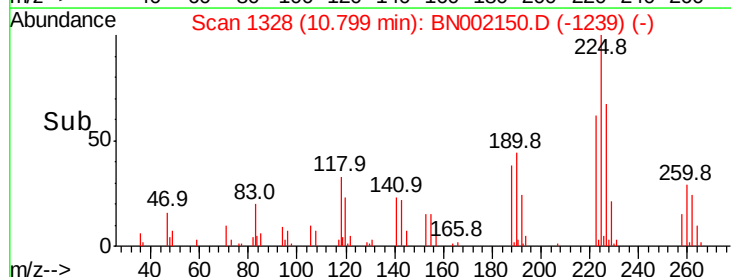
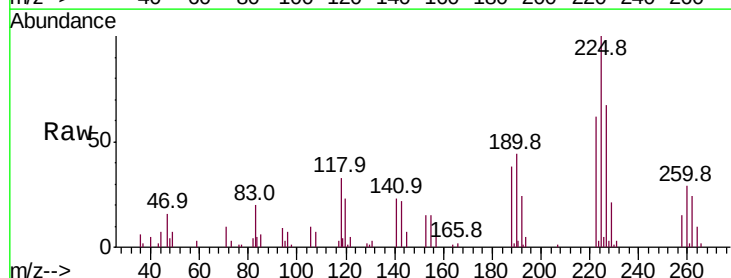
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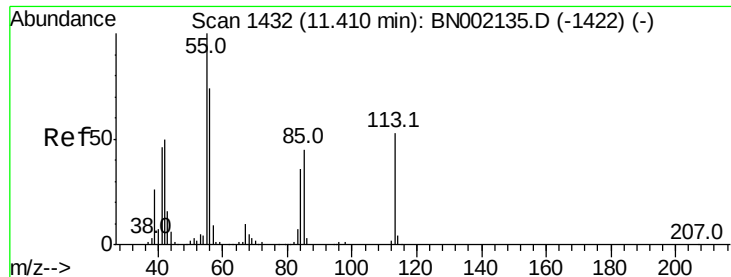
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#34
Hexachlorobutadiene
Concen: 4.520 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	49.7	74.5	
227	66.7	48.1	72.1	





#35

Caprolactam

Concen: 3.532 ng

RT: 11.38 min Scan# 1426

Delta R.T. -0.04 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

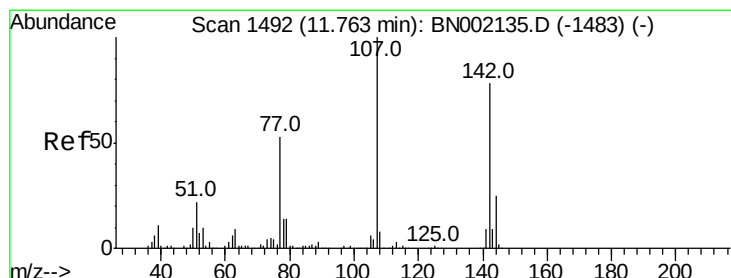
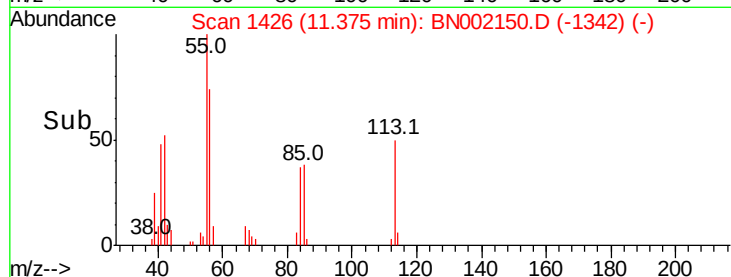
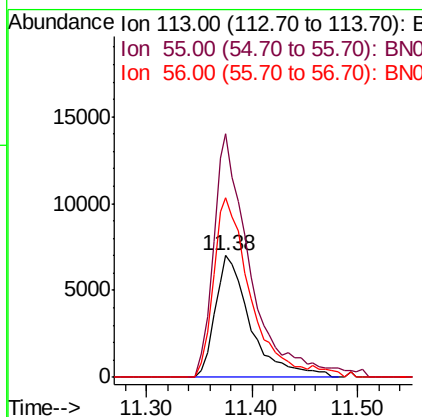
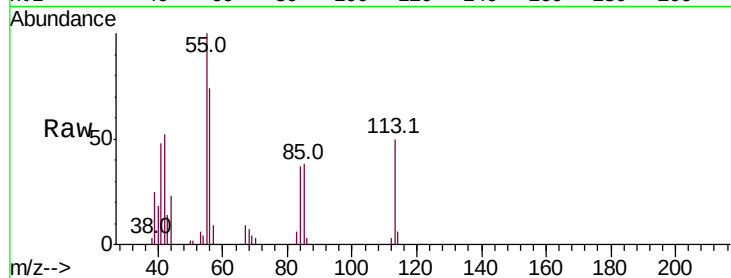
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	113	Resp:	16397
Ion Ratio	Lower	Upper	
113	100		
55	199.9	120.0	160.0#
56	147.7	90.0	130.0#

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#36

4-Chloro-3-methylphenol

Concen: 4.461 ng

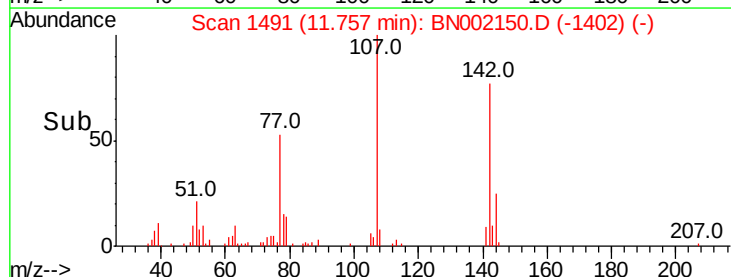
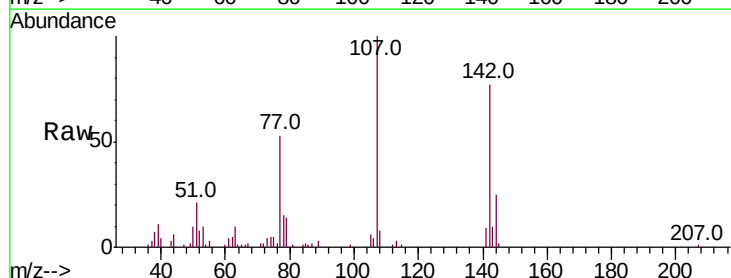
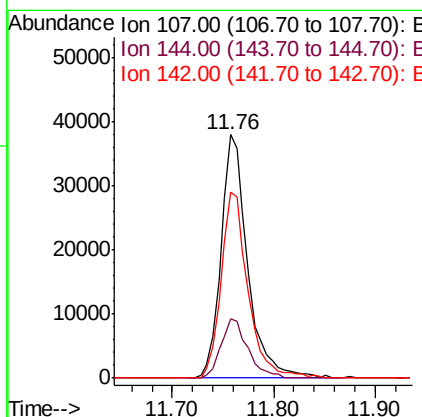
RT: 11.76 min Scan# 1491

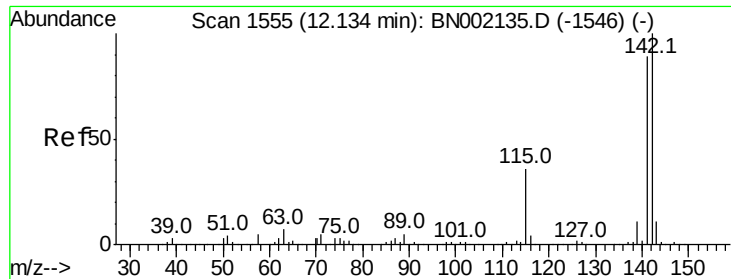
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	107	Resp:	69010
Ion Ratio	Lower	Upper	
107	100		
144	24.5	18.2	27.4
142	76.6	59.0	88.4





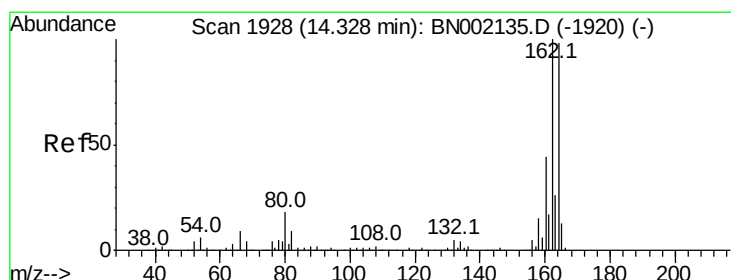
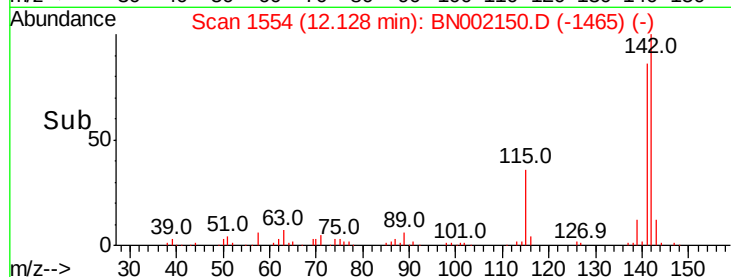
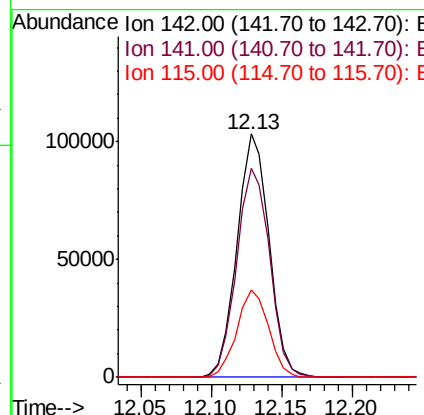
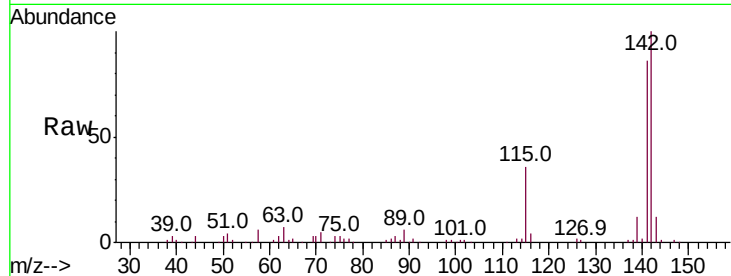
#37
2-Methylnaphthalene
Concen: 5.345 ng
RT: 12.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.1	100.7
115	35.9	30.7	46.1

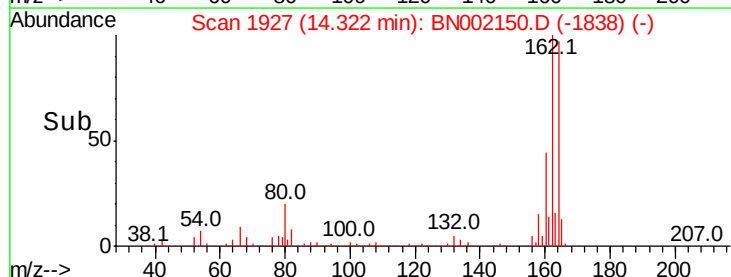
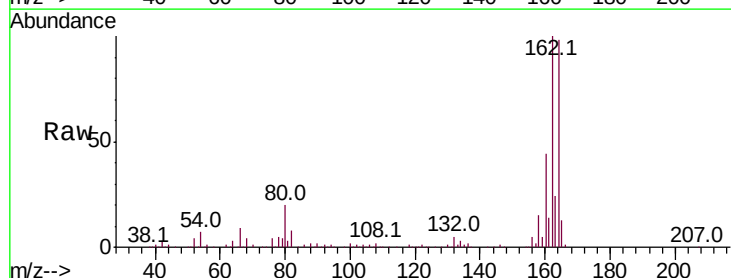
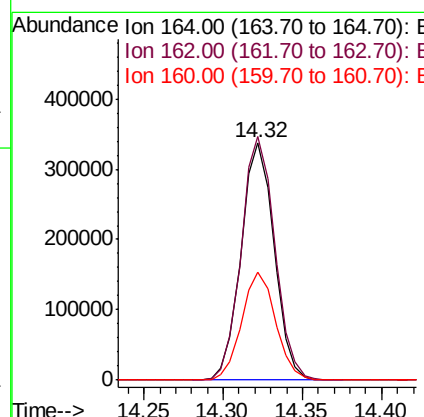
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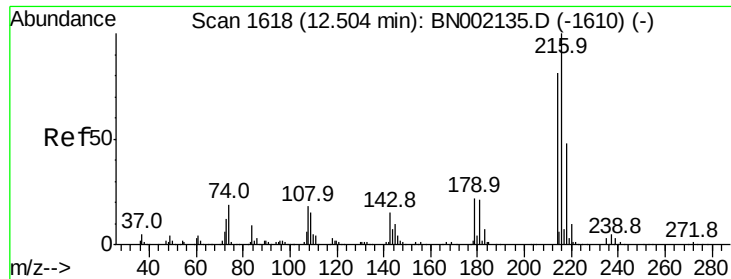
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	78.8	118.2
160	45.5	35.4	53.0





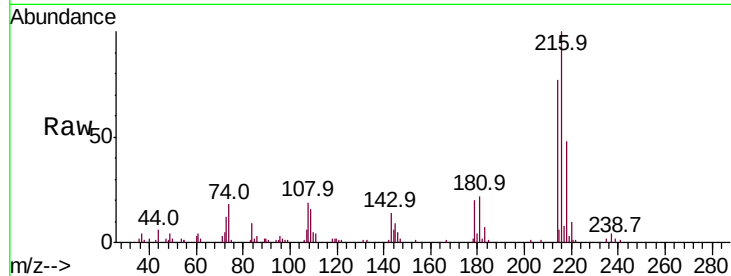
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.887 ng
 RT: 12.50 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

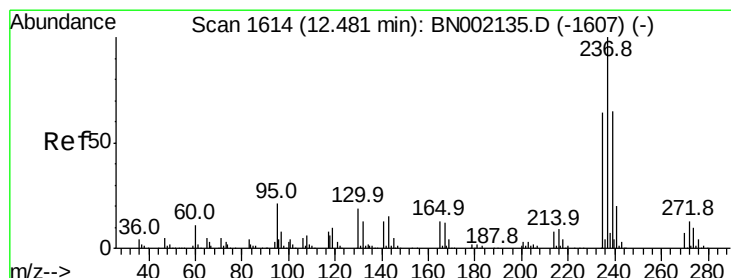
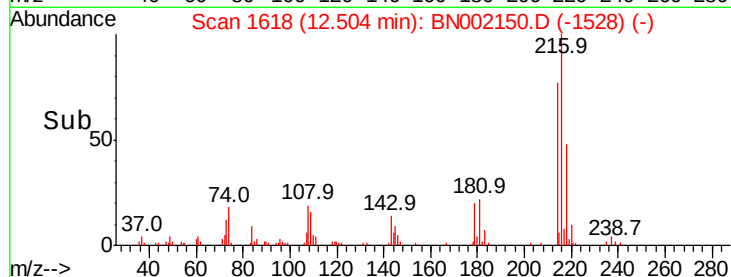
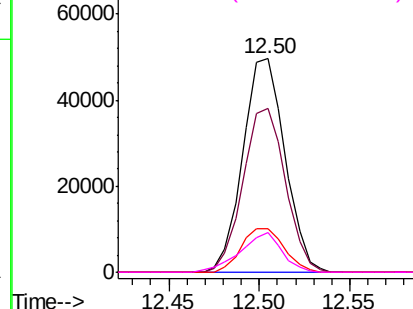
Tot Ion	Ratio	Resp	Lower	Upper
216	100	80395		
214	77.1	63.0	94.4	
179	20.7	17.0	25.6	
108	18.4	12.8	19.2	

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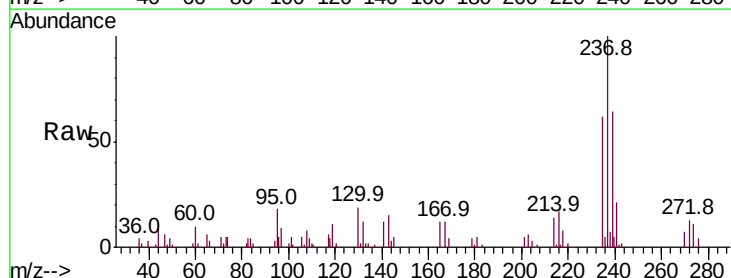


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

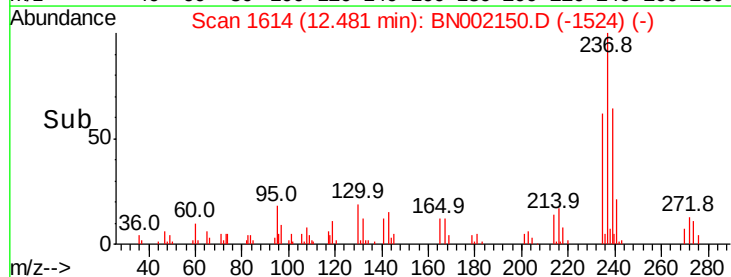
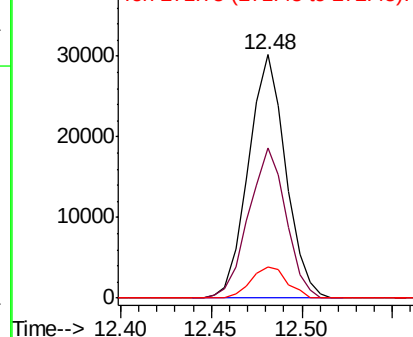


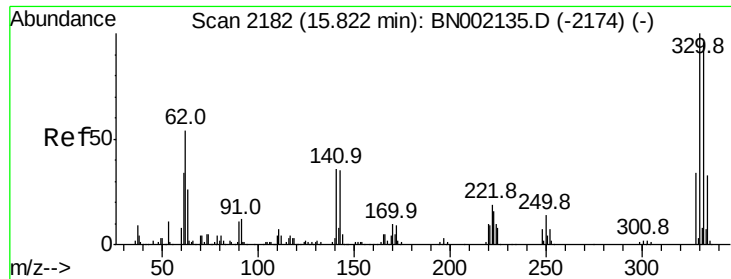
#40
 Hexachlorocyclopentadiene
 Concen: 4.638 ng
 RT: 12.48 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	43093		
235	61.6	50.4	90.4	
272	12.7	0.0	31.8	



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





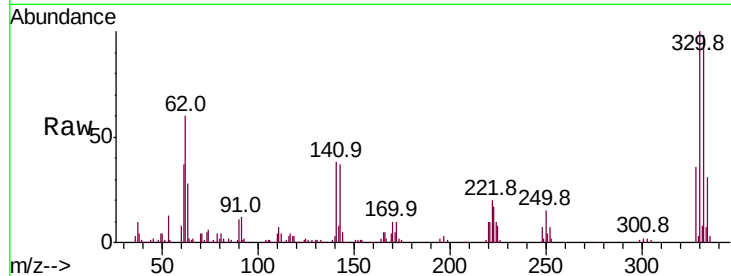
#41
 2,4,6-Tribromophenol
 Concen: 124.460 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

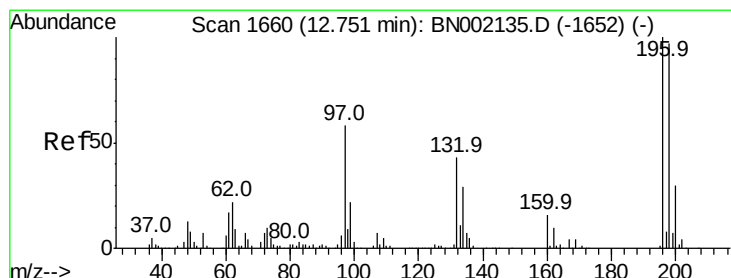
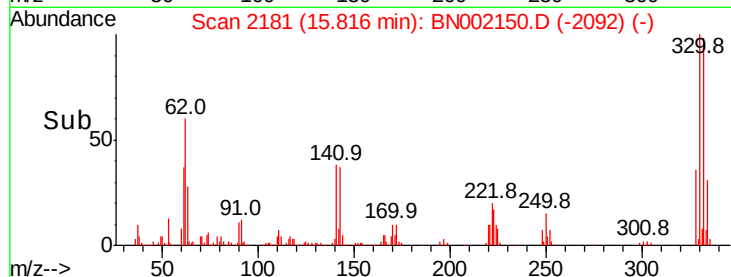
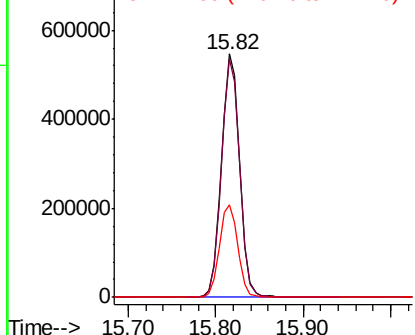
Tot Ion	Ratio	Resp	Lower	Upper
330	100	790677		
332	98.5	77.0	115.6	
141	38.3	25.2	37.8#	

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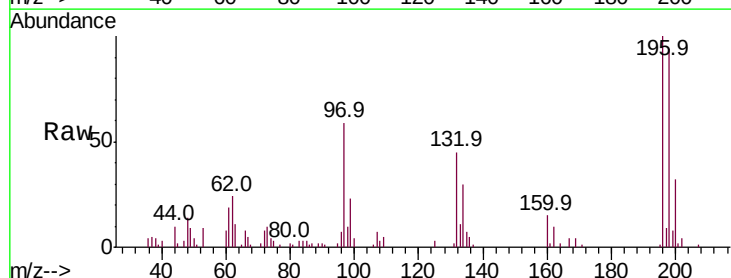


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

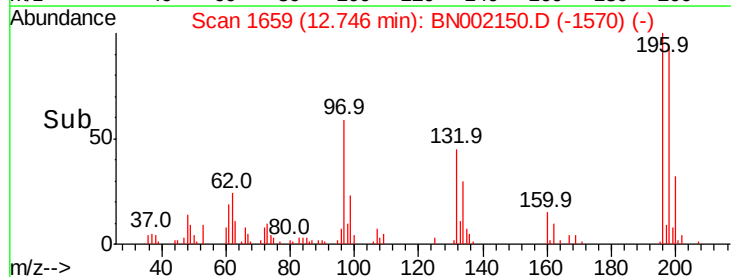
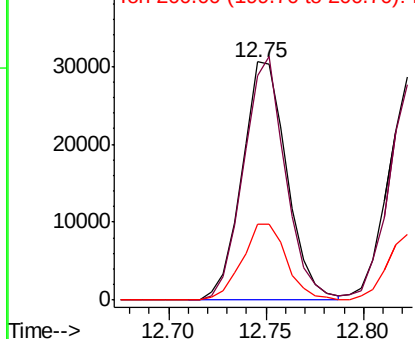


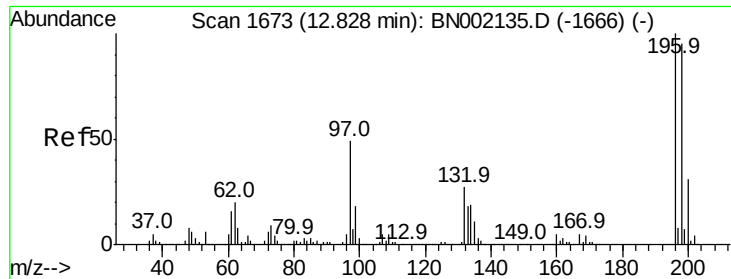
#42
 2,4,6-Trichlorophenol
 Concen: 4.407 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	48636		
198	94.4	78.2	117.2	
200	32.1	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





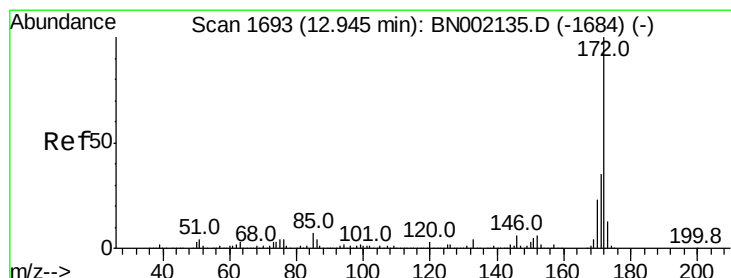
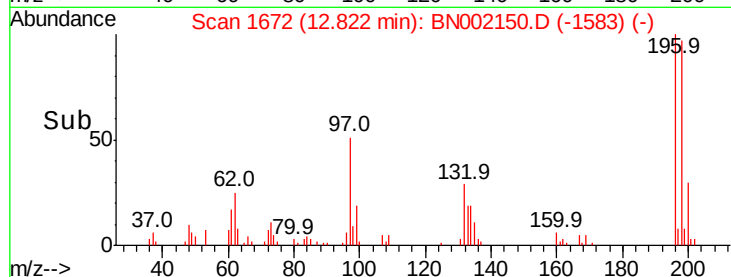
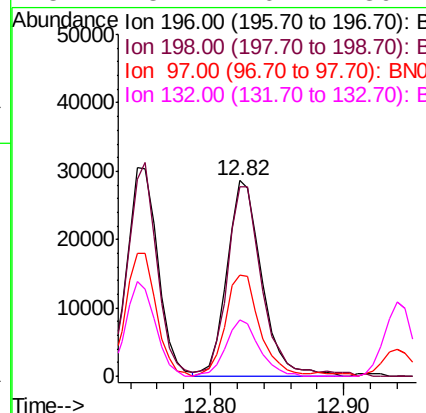
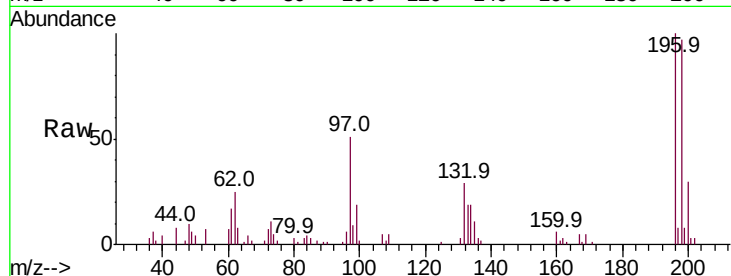
#43
 2,4,5-Trichlorophenol
 Concen: 4.487 ng
 RT: 12.82 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.2	114.4
97	51.4	38.7	58.1
132	28.7	20.2	30.2

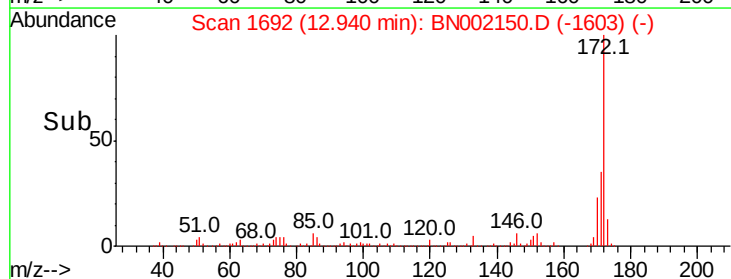
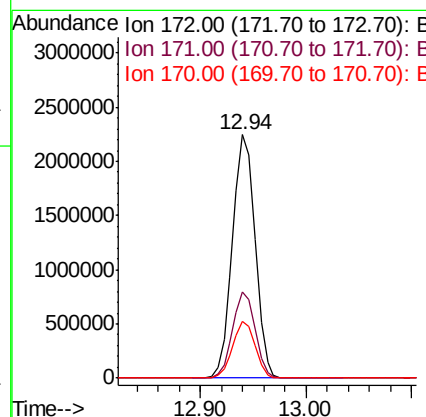
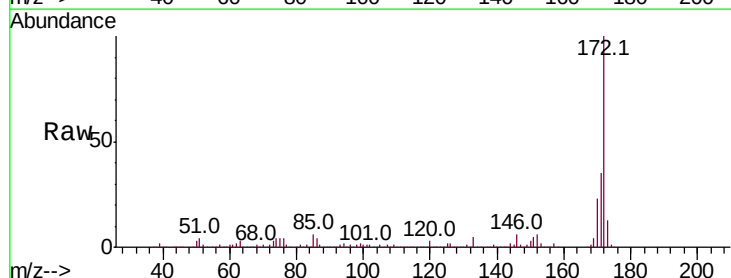
Manual Integrations
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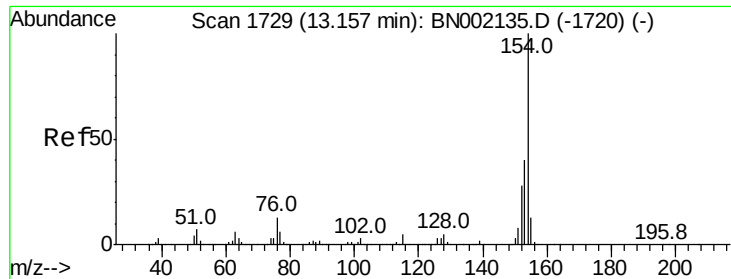
Sohil
 7/27/2018 11:35:45 AM



#44
 2-Fluorobiphenyl
 Concen: 88.329 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	23.3	19.5	29.3





#45

1,1'-Biphenyl

Concen: 4.959 ng

RT: 13.15 min Scan# 1728

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

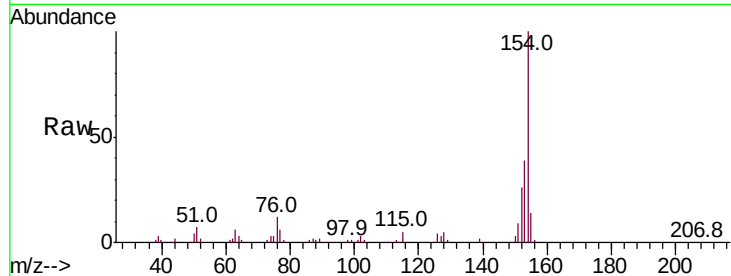
ClientSampleId :

MDL-SOIL-03-QT3-2018

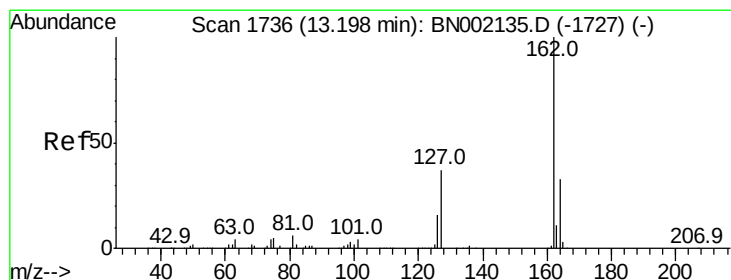
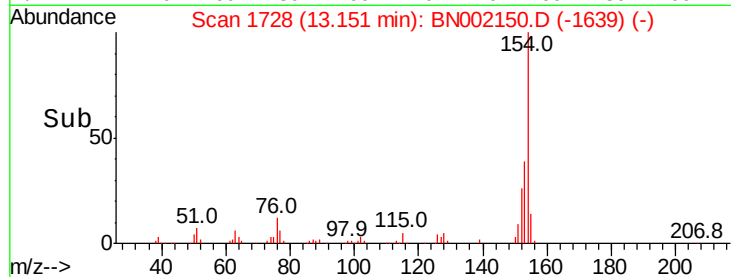
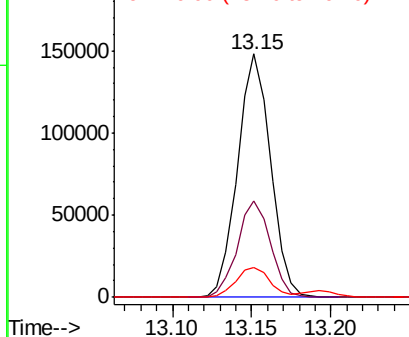
Tot Ion:	154	Resp:	213503
Ion Ratio	Lower	Upper	
154	100		
153	39.4	19.8	59.8
76	12.3	0.0	31.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#46

2-Chloronaphthalene

Concen: 4.847 ng

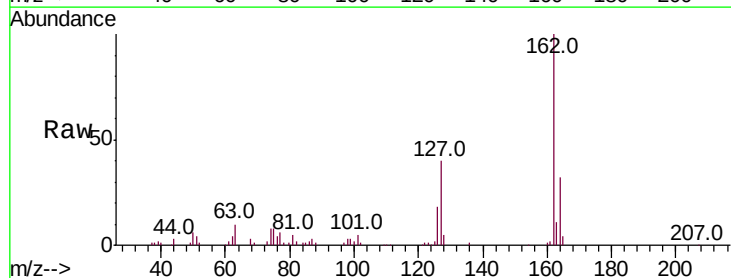
RT: 13.19 min Scan# 1735

Delta R.T. -0.01 min

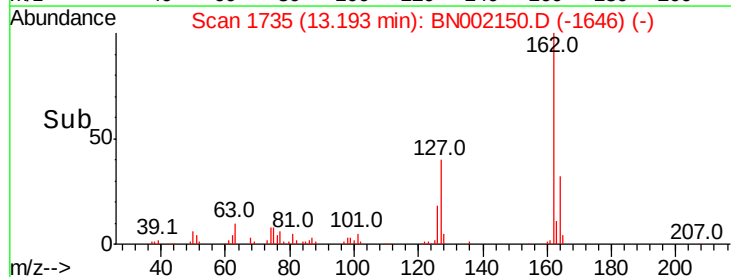
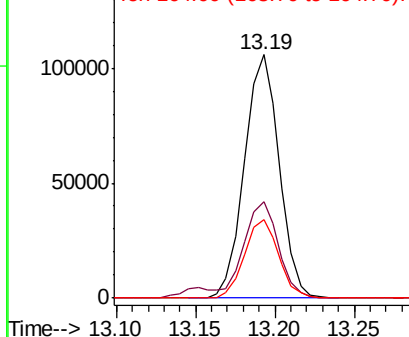
Lab File: BN002150.D

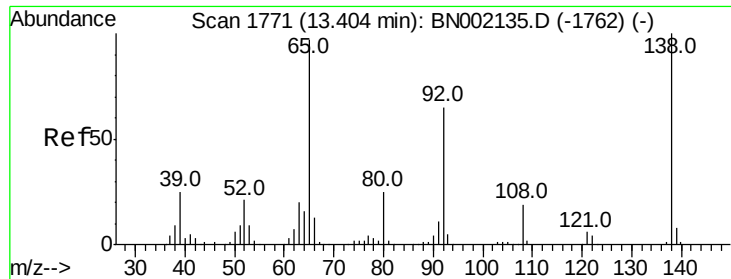
Acq: 25 Jul 2018 23:36

Tgt Ion:	162	Resp:	161054
Ion Ratio	Lower	Upper	
162	100		
127	39.8	30.7	46.1
164	32.3	26.0	39.0



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





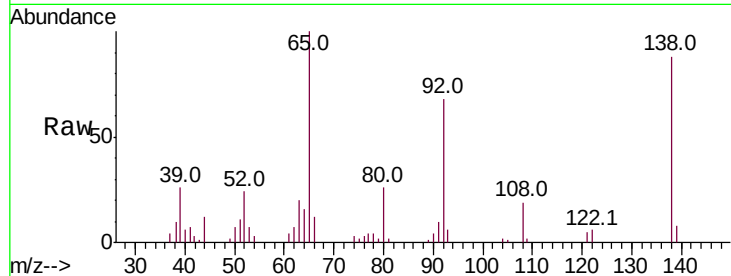
#47
2-Nitroaniline
Concen: 4.147 ng
RT: 13.40 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.6	82.0
138	88.1	72.9	109.3

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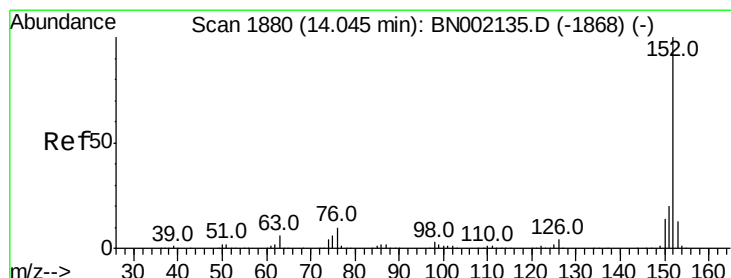
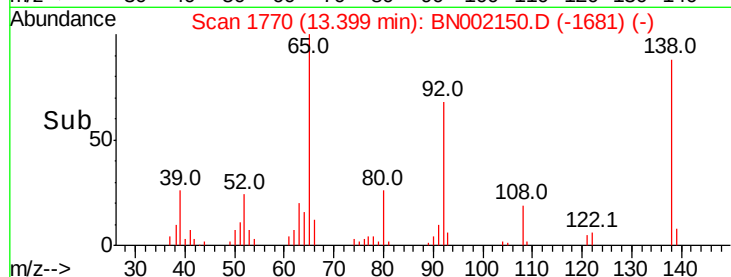
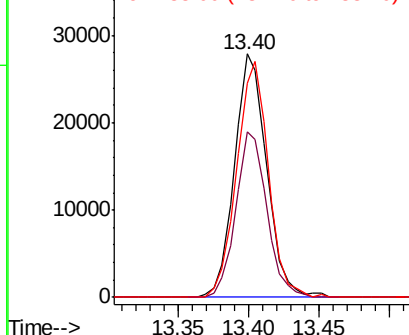


Abundance

Ion 65.00 (64.70 to 65.70): BNC

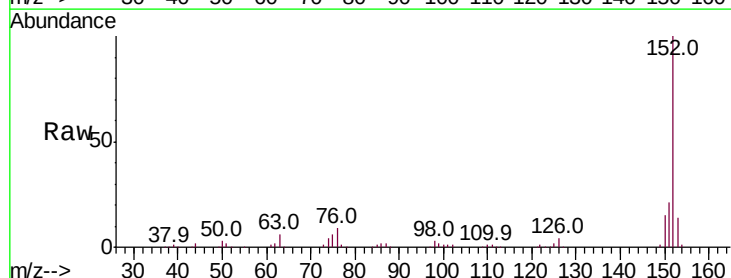
Ion 92.00 (91.70 to 92.70): BNC

Ion 138.00 (137.70 to 138.70): BNC



#48
Acenaphthylene
Concen: 5.147 ng
RT: 14.04 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8
153	13.7	10.2	15.4

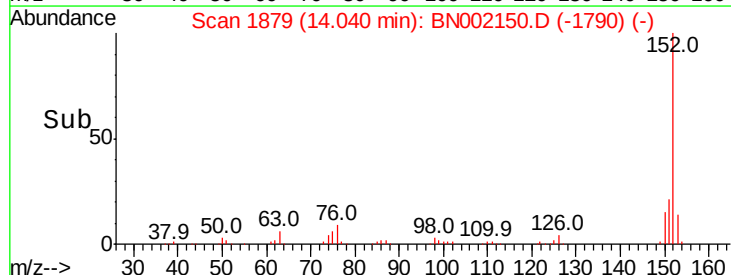
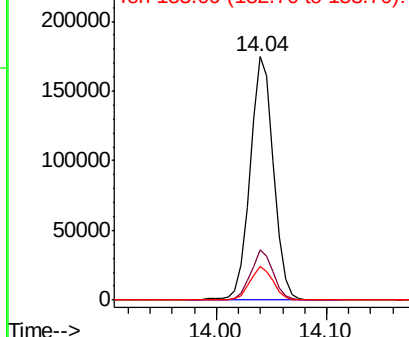


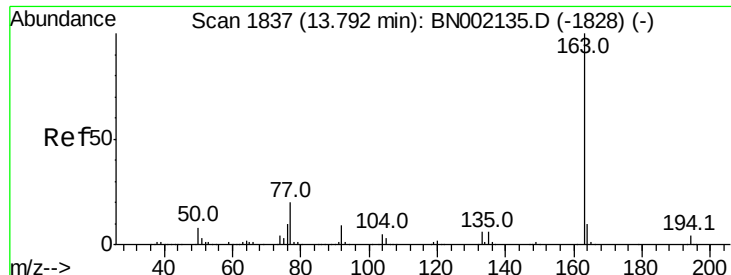
Abundance

Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC

Ion 153.00 (152.70 to 153.70): BNC





#49

Dimethylphthalate

Concen: 4.829 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

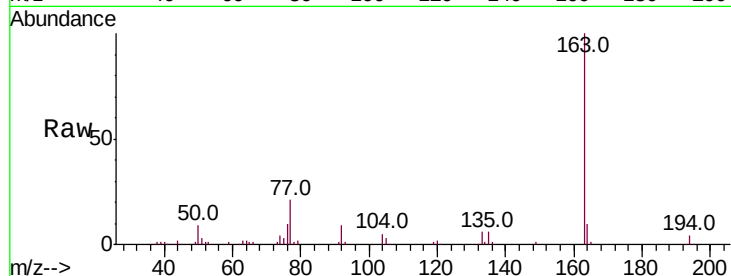
ClientSampleId :

MDL-SOIL-03-QT3-2018

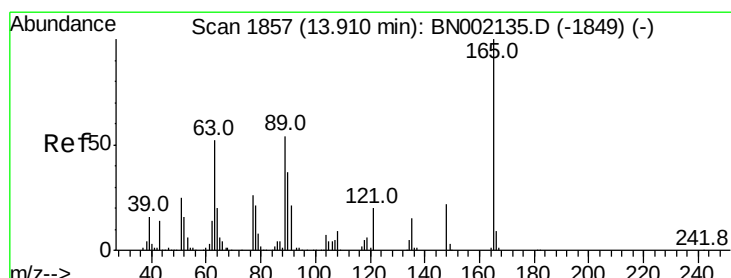
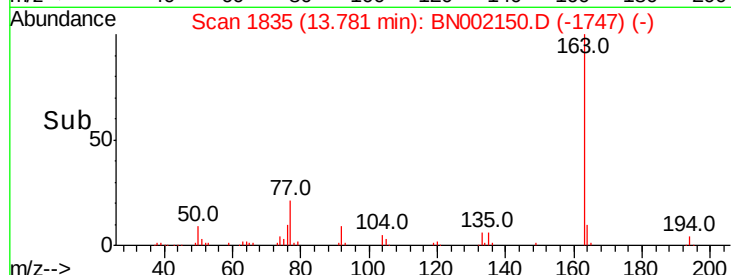
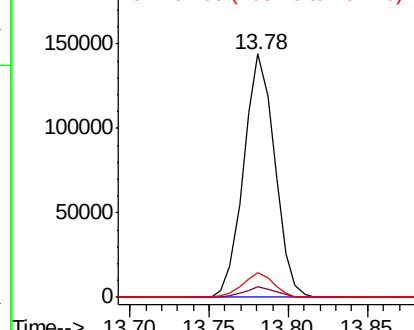
Tot Ion:	163	Resp:	196227
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.2
164	10.0	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 4.477 ng

RT: 13.90 min Scan# 1855

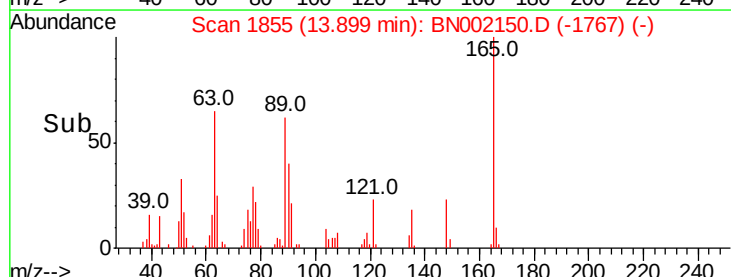
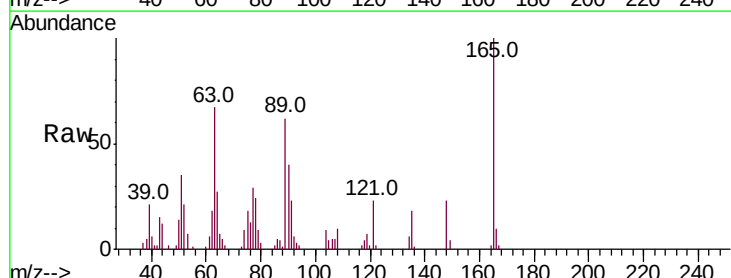
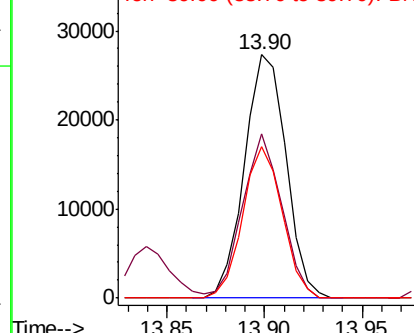
Delta R.T. -0.01 min

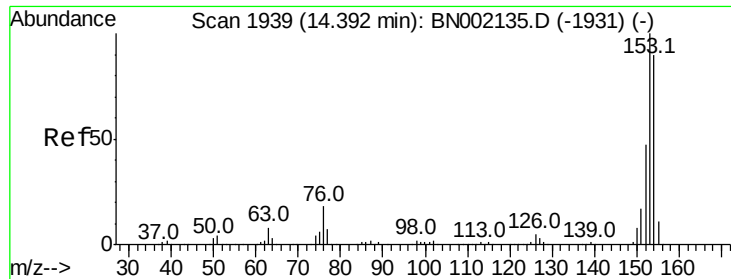
Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	165	Resp:	40423
Ion Ratio	Lower	Upper	
165	100		
63	67.3	52.7	79.1
89	62.0	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: 5.055 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

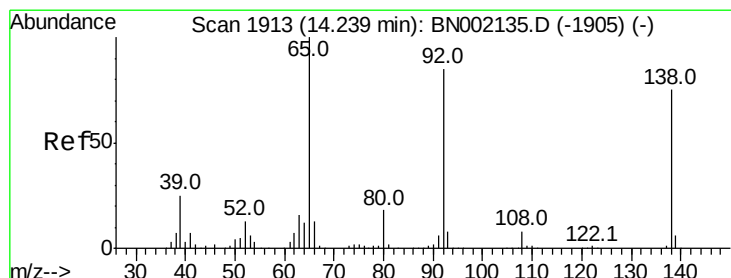
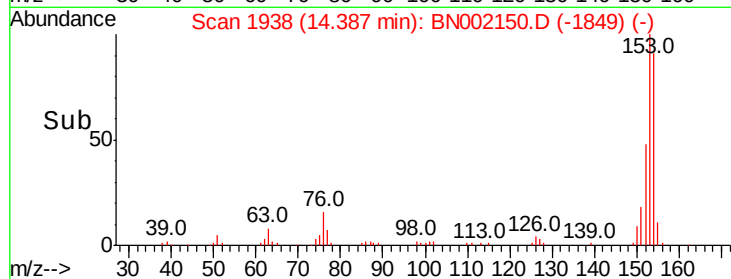
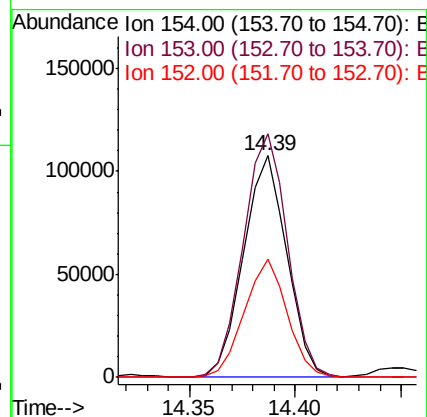
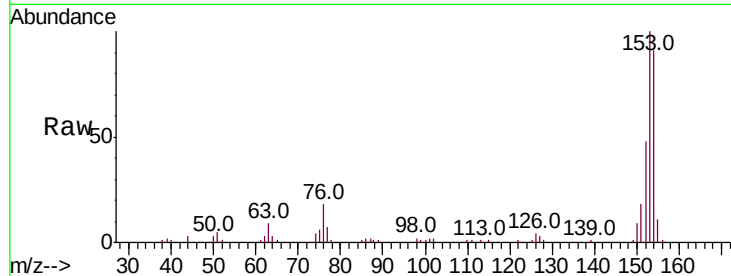
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	153546
Ion Ratio	Lower	Upper	
154	100		
153	109.9	90.4	135.6
152	53.1	41.6	62.4

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#52

3-Nitroaniline

Concen: 3.475 ng

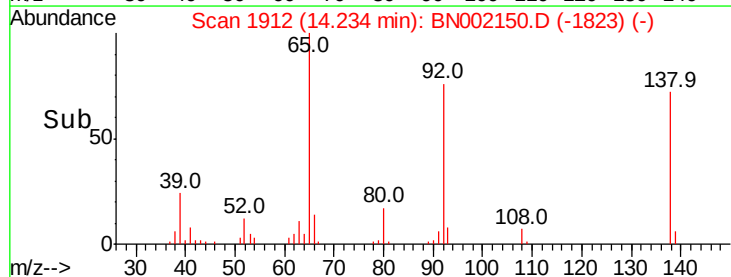
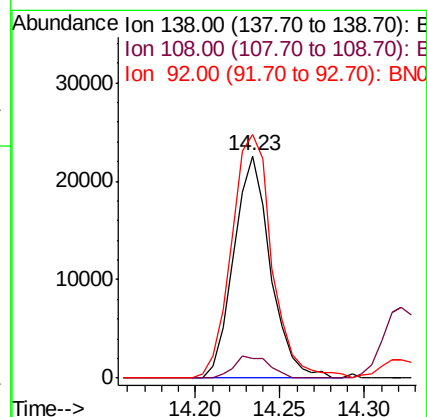
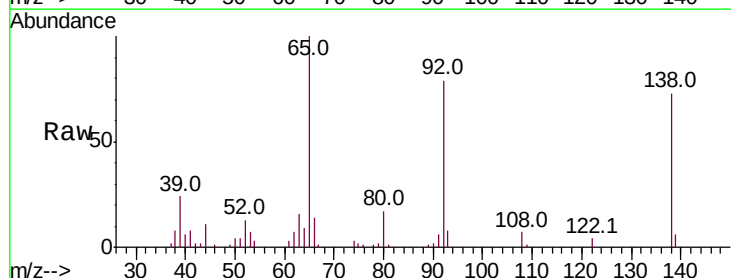
RT: 14.23 min Scan# 1912

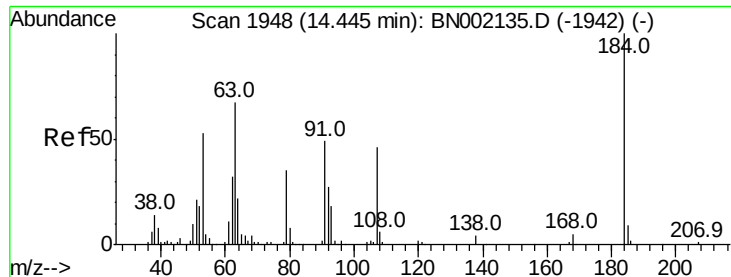
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	138	Resp:	33996
Ion Ratio	Lower	Upper	
138	100		
108	9.0	17.5	26.3#
92	109.5	105.8	158.8





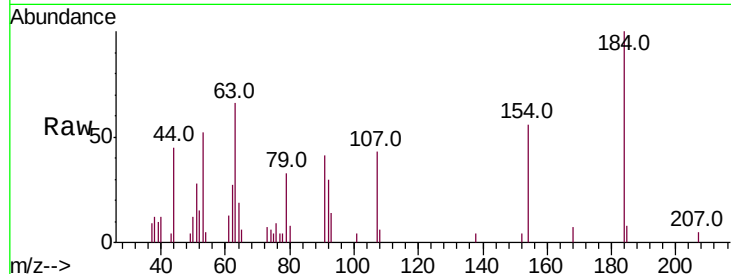
#53
2,4-Dinitrophenol
Concen: 2.754 ng
RT: 14.45 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.6	56.0	84.0
154	55.5	48.0	72.0

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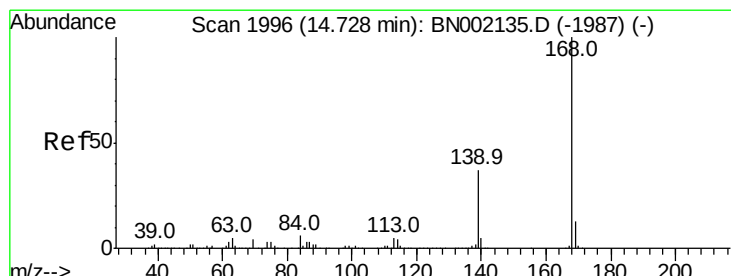
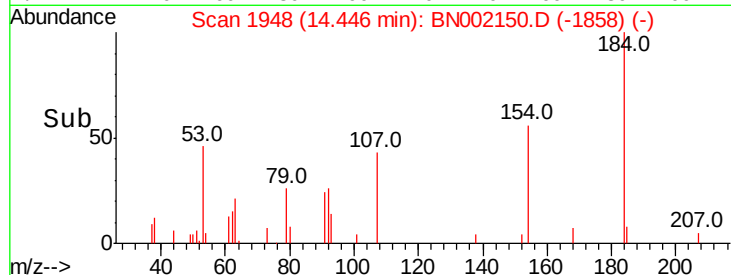
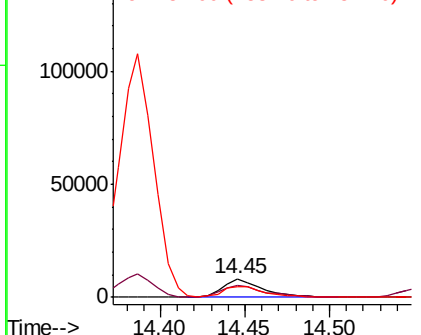


Abundance

Ion 184.00 (183.70 to 184.70): E

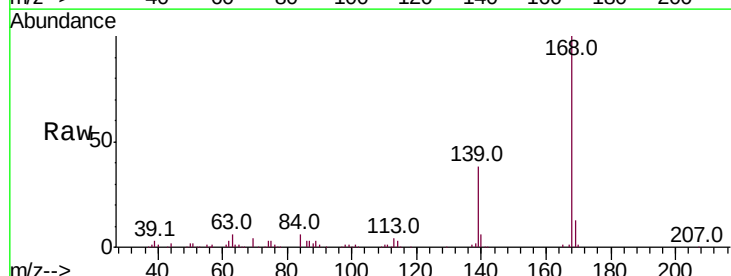
Ion 63.00 (62.70 to 63.70): BNO

Ion 154.00 (153.70 to 154.70): E



#54
Dibenzofuran
Concen: 4.991 ng
RT: 14.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.0	28.6	43.0
169	12.6	11.2	16.8

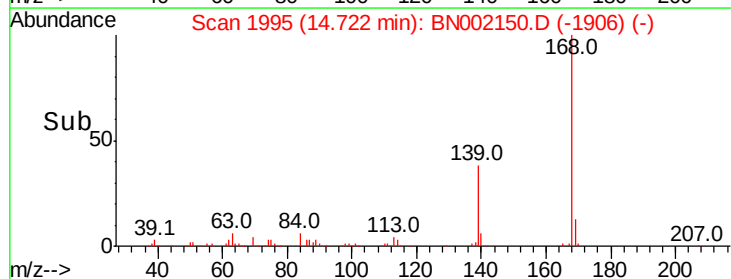
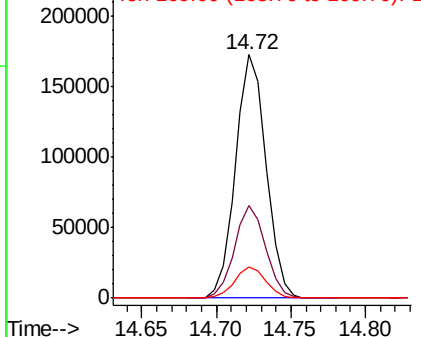


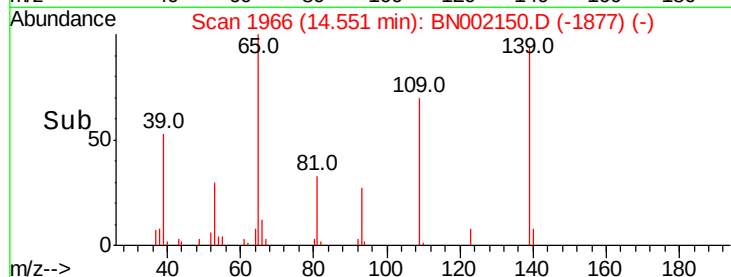
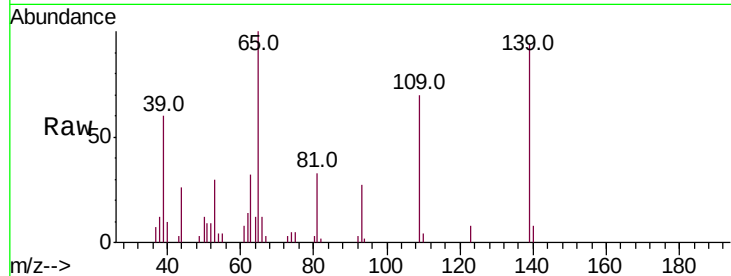
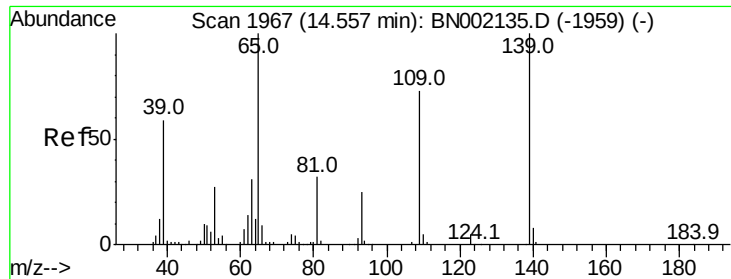
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





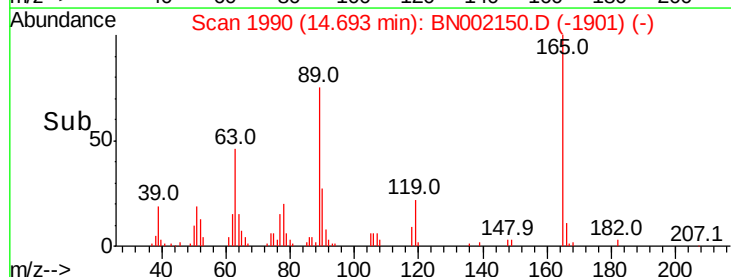
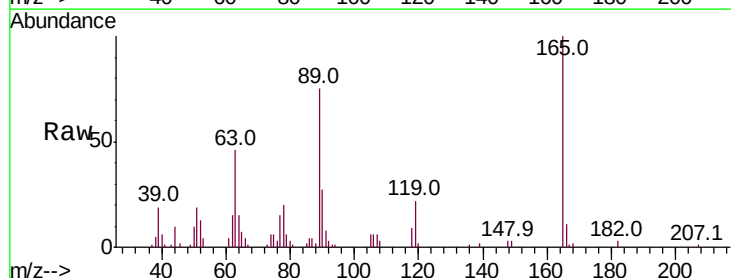
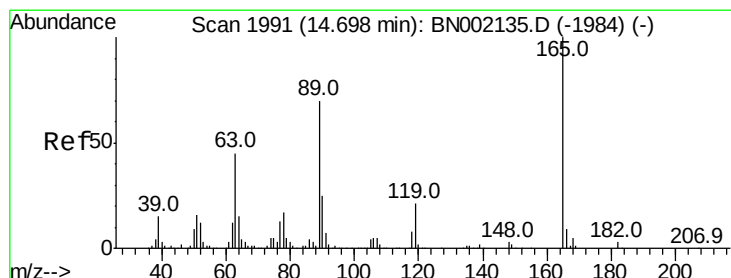
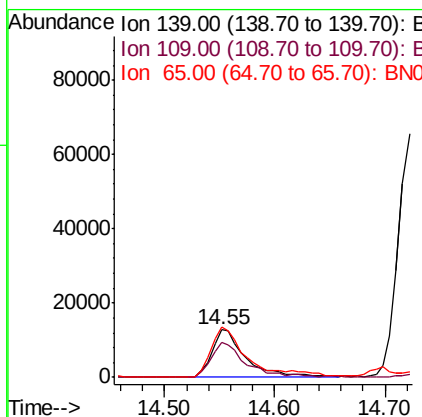
#55
4-Nitrophenol
Concen: 3.604 ng
RT: 14.55 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tot Ion:139 Resp: 27068
Ion Ratio Lower Upper
139 100
109 74.4 62.2 102.2
65 106.9 97.2 137.2

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

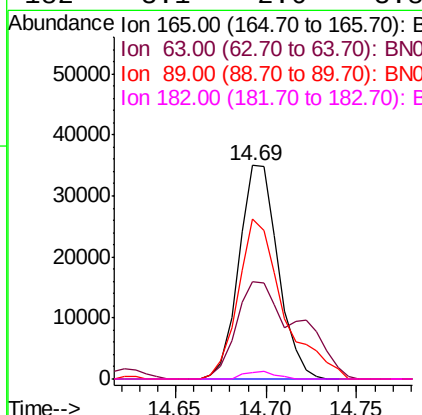
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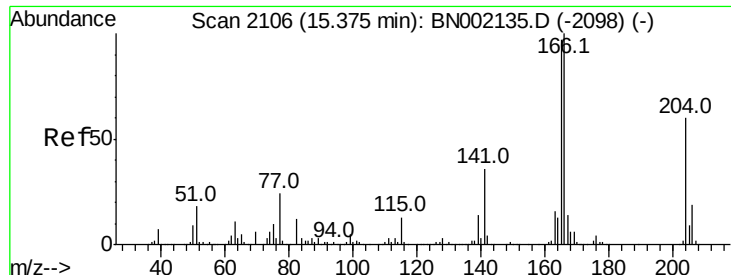
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#56
2,4-Dinitrotoluene
Concen: 4.288 ng
RT: 14.69 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion:165 Resp: 52546
Ion Ratio Lower Upper
165 100
63 45.6 42.0 63.0
89 74.8 66.9 100.3
182 3.1 2.6 3.8





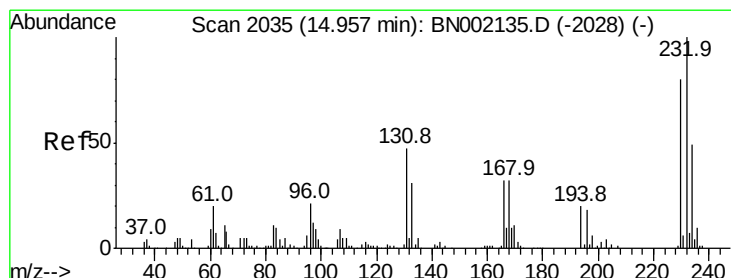
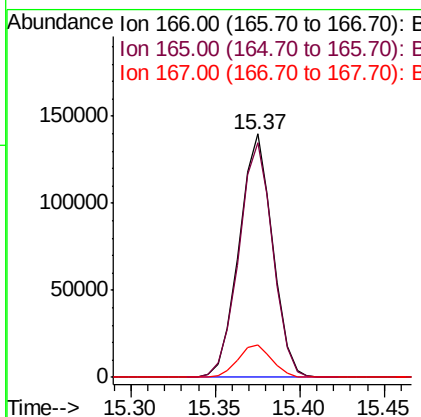
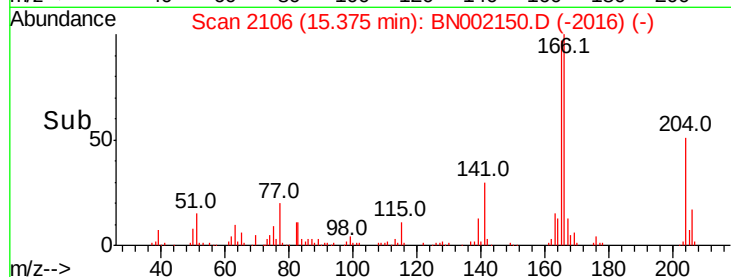
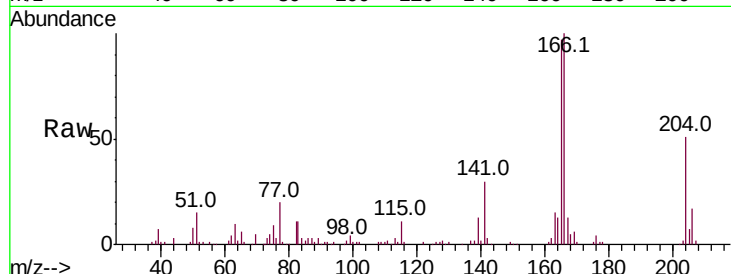
#57
Fluorene
 Concen: 5.190 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	192648		
165	96.6	80.6	121.0	
167	13.1	10.4	15.6	

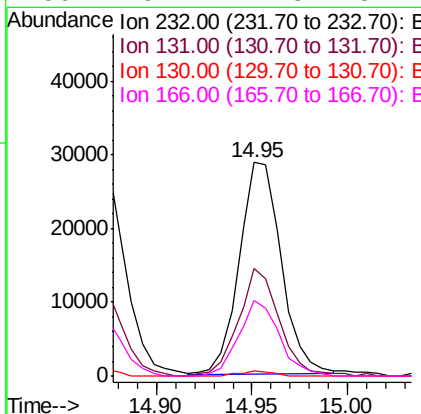
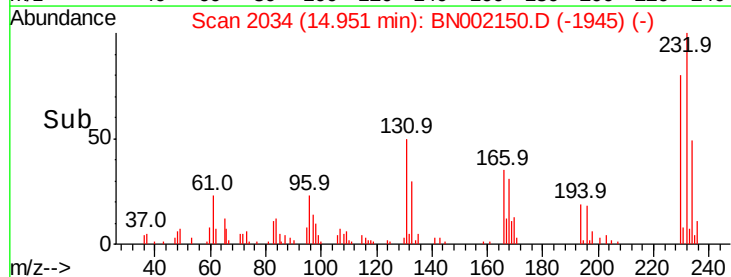
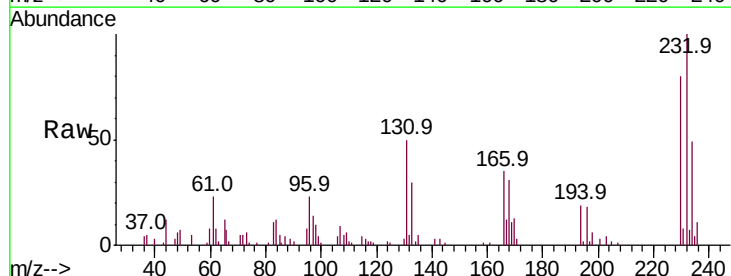
Manual Integrations
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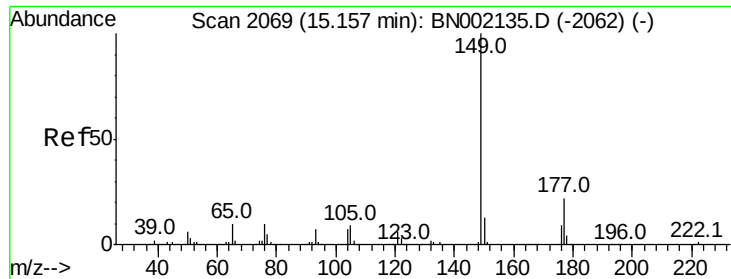
Sohil
 7/27/2018 11:35:45 AM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 4.347 ng m
 RT: 14.95 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	43708		
131	41.1	33.5	50.3	
130	2.2	2.2	3.2	
166	25.7	24.8	37.2	





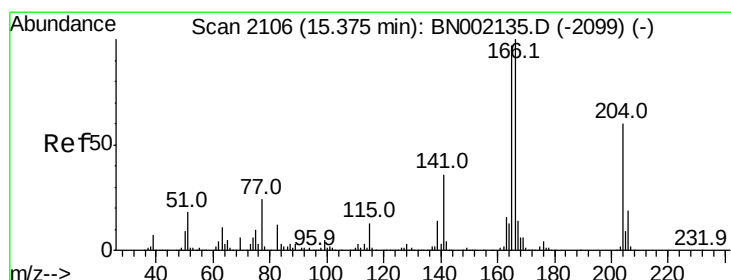
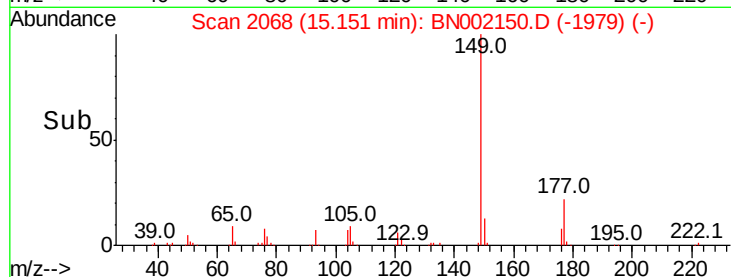
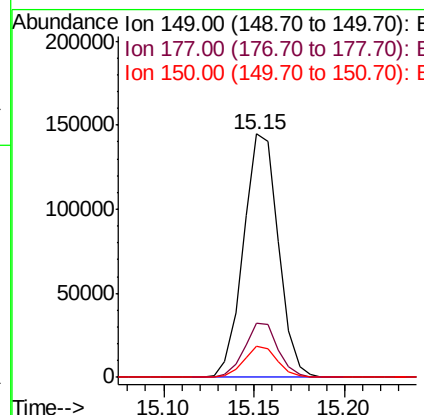
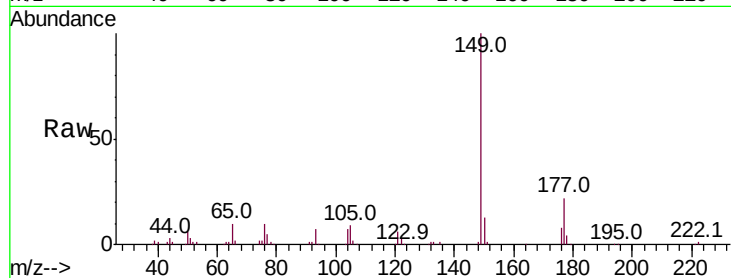
#59
Diethylphthalate
Concen: 4.675 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	193357		
177	22.1	18.5	27.7	
150	13.0	10.2	15.2	

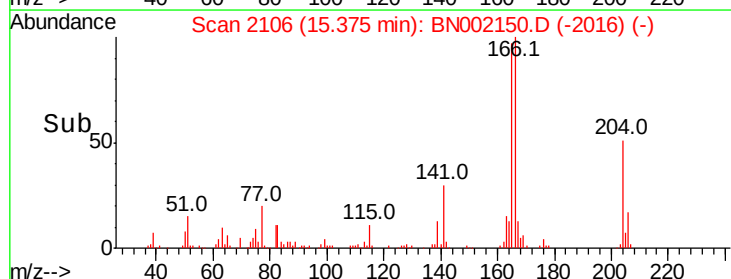
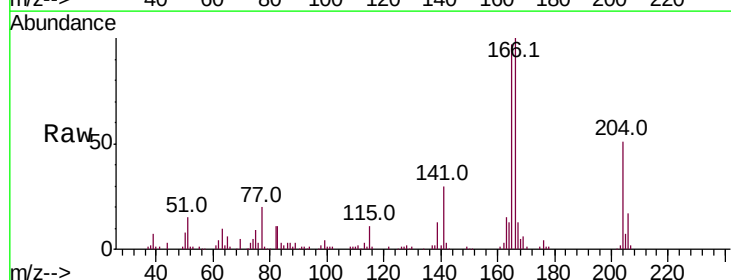
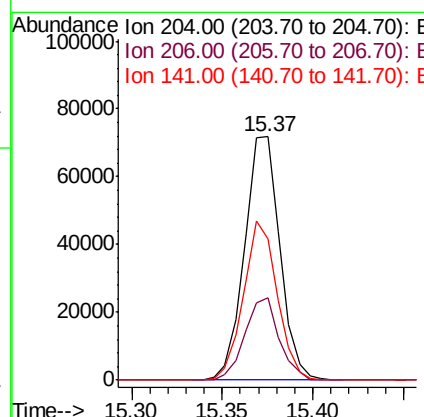
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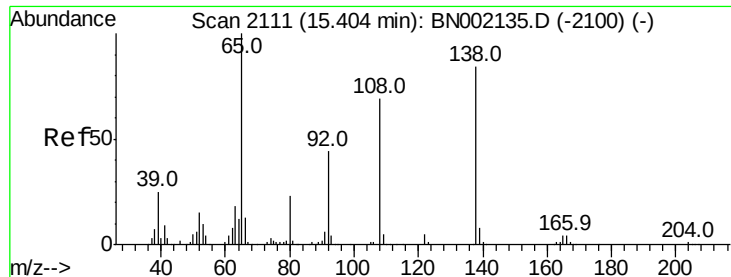
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 4.747 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	97497		
206	33.8	26.2	39.2	
141	57.9	45.8	68.6	





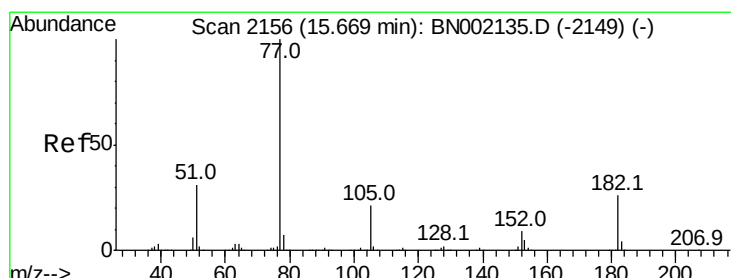
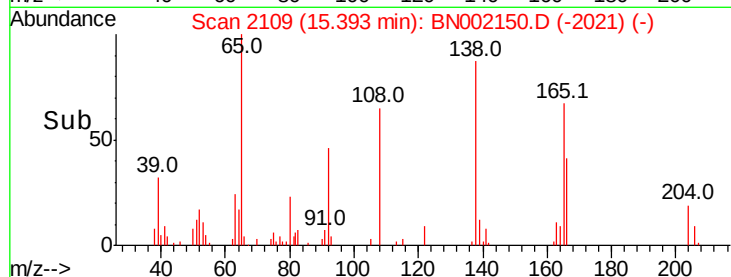
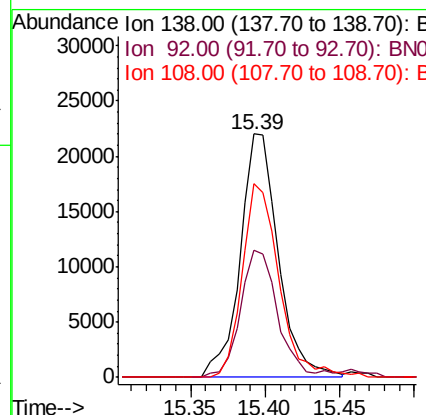
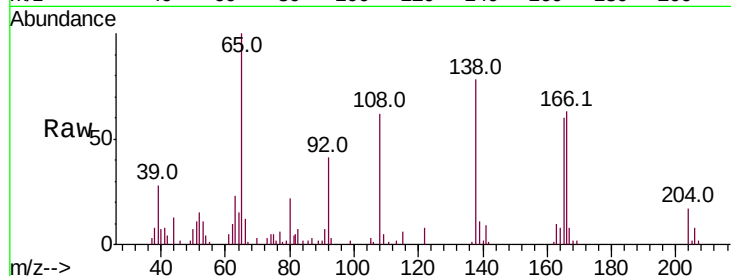
#61
4-Nitroaniline
Concen: 3.917 ng
RT: 15.39 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.3	40.1	80.1
108	79.6	65.4	105.4

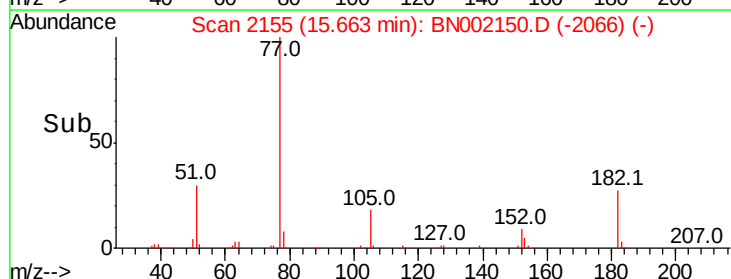
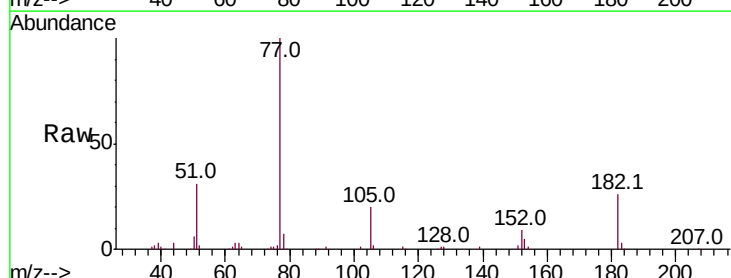
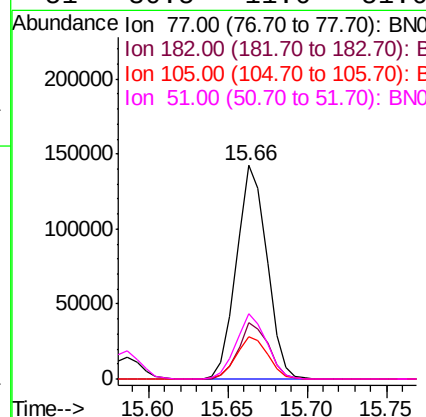
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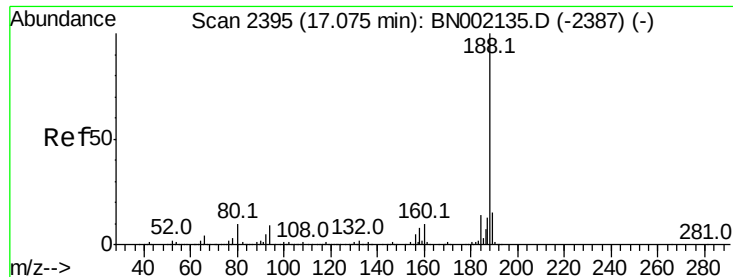
Sohil
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#62
Azobenzene
Concen: 4.796 ng
RT: 15.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.4	47.4
105	19.9	0.3	40.3
51	30.5	11.6	51.6





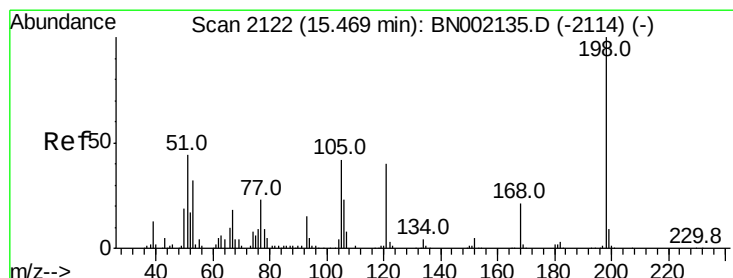
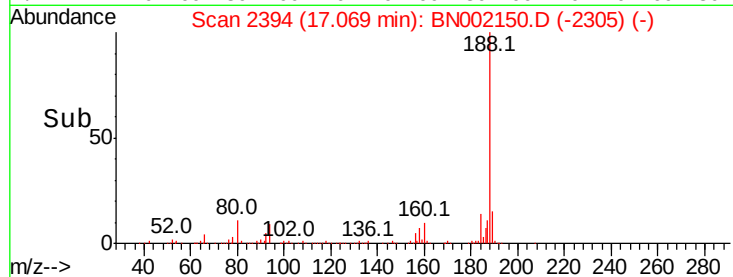
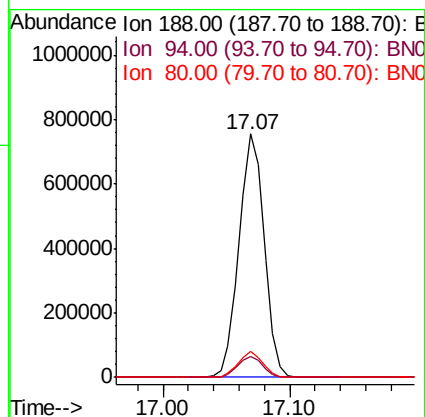
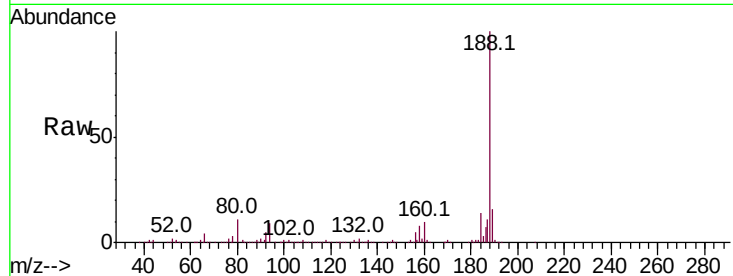
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.7	7.7	11.5

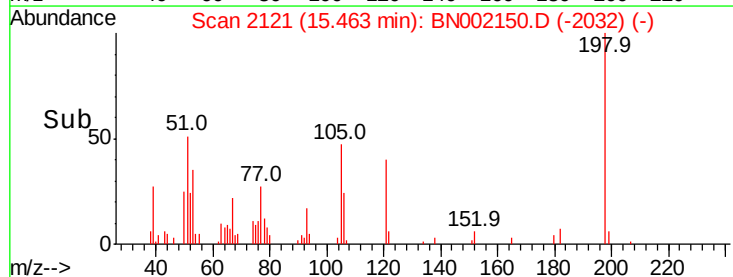
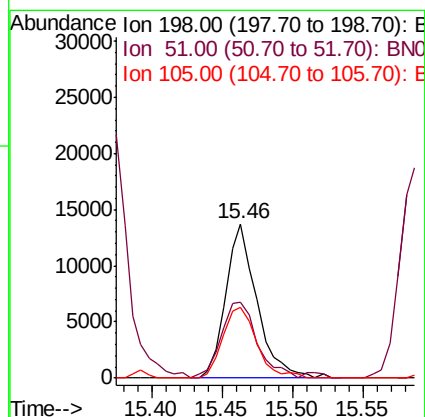
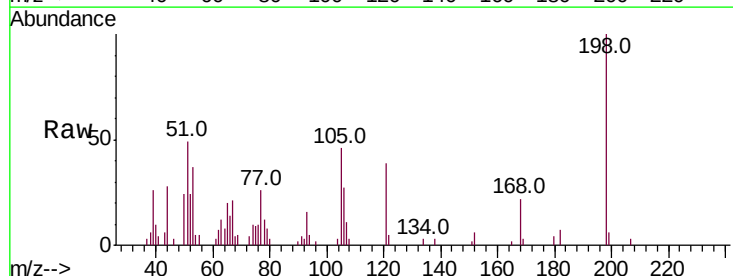
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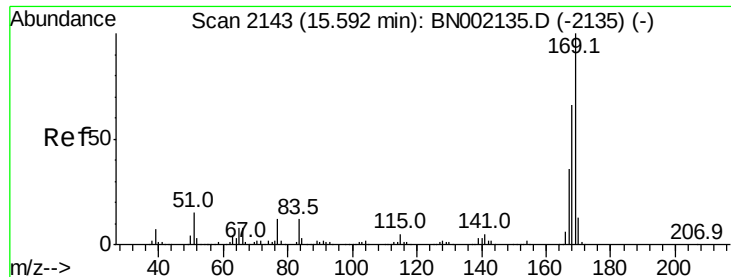
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 3.027 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.4	30.6	70.6
105	45.6	23.8	63.8





#65

n-Nitrosodiphenylamine

Concen: 4.746 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

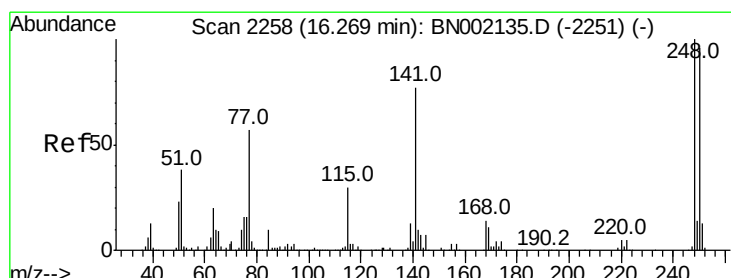
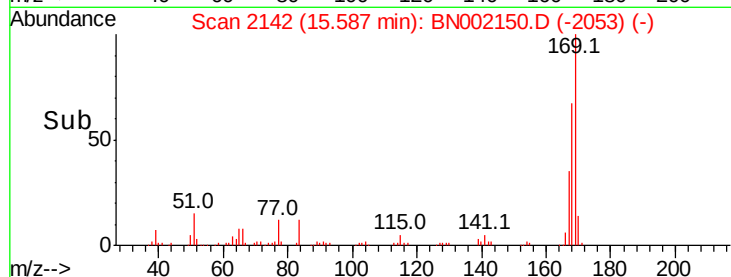
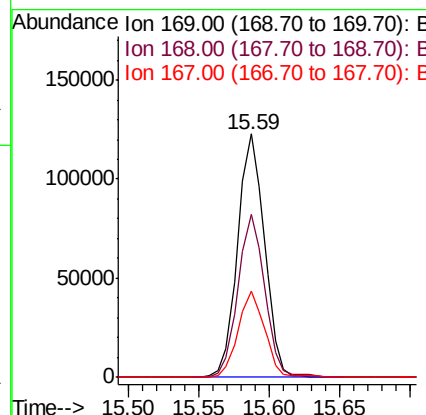
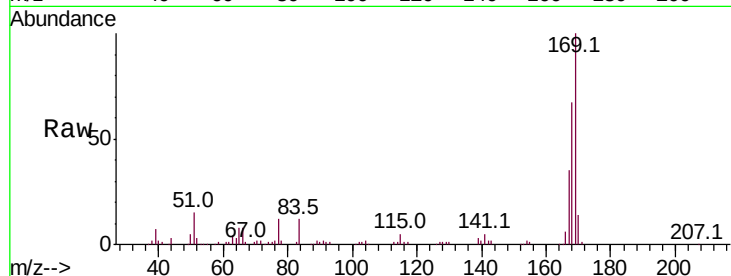
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	169	Resp:	163087
Ion Ratio	Lower	Upper	
169	100		
168	67.0	55.7	83.5
167	35.2	30.1	45.1

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#66

4-Bromophenyl-phenylether

Concen: 4.727 ng

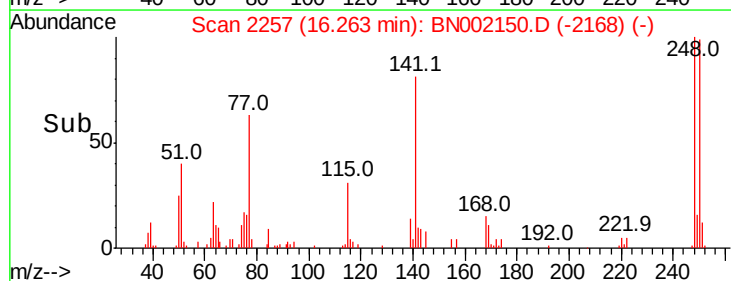
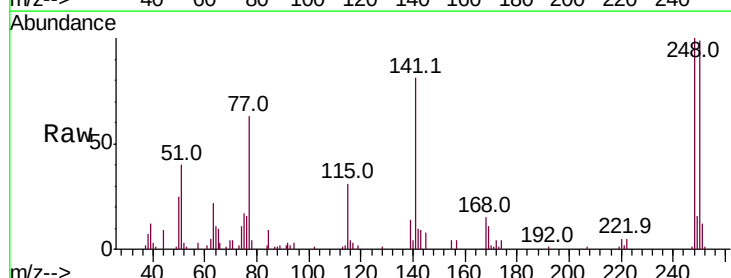
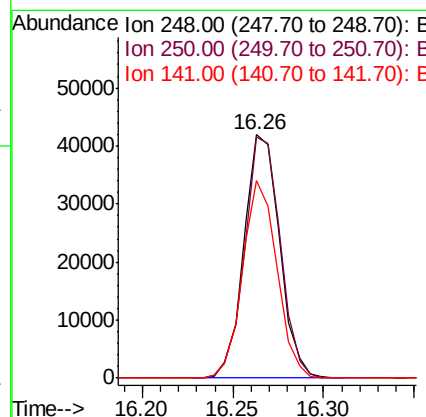
RT: 16.26 min Scan# 2257

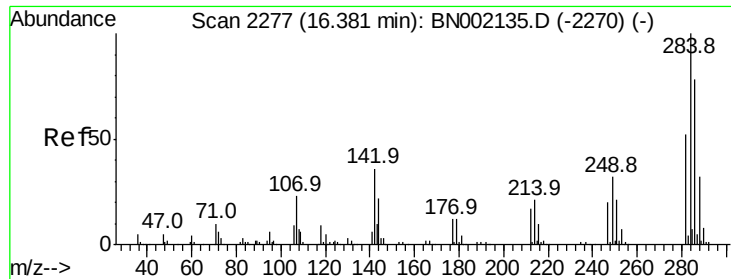
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	248	Resp:	57306
Ion Ratio	Lower	Upper	
248	100		
250	98.9	77.1	115.7
141	81.3	50.8	76.2#





#67

Hexachlorobenzene

Concen: 4.799 ng

RT: 16.38 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

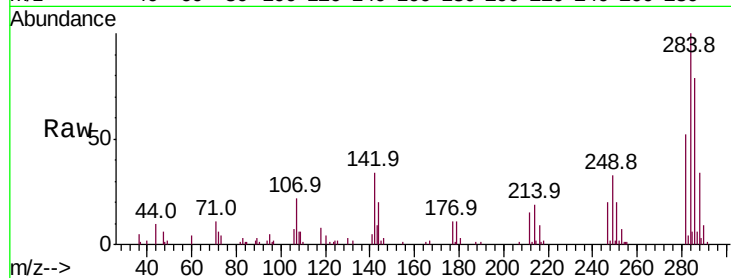
ClientSampleId :

MDL-SOIL-03-QT3-2018

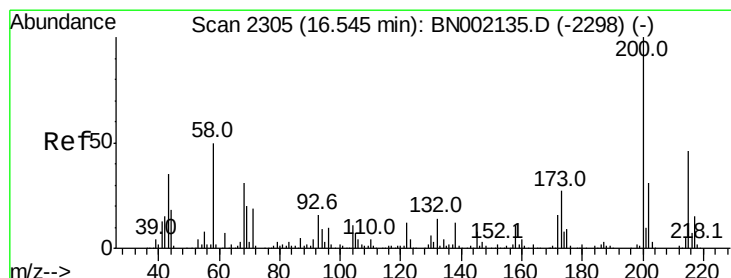
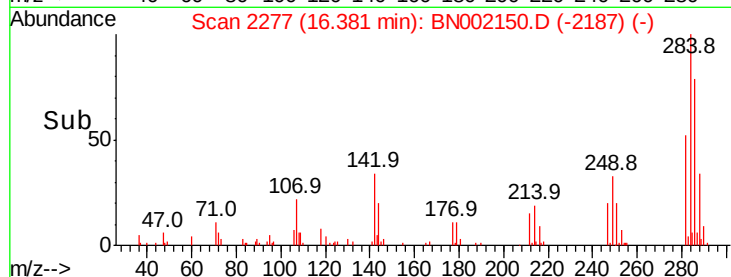
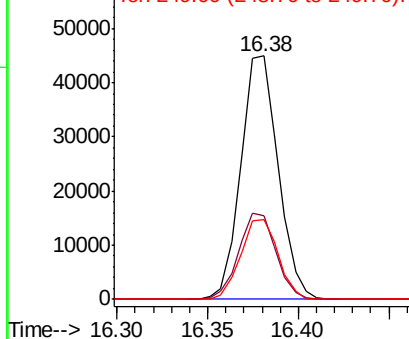
Tot Ion:	284	Resp:	64360
Ion Ratio	Lower	Upper	
284	100		
142	34.4	26.8	40.2
249	32.8	26.3	39.5

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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: 4.311 ng

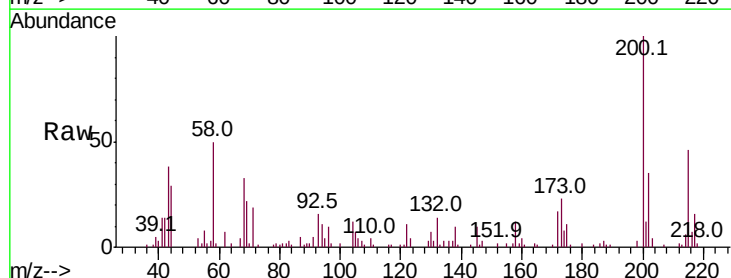
RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

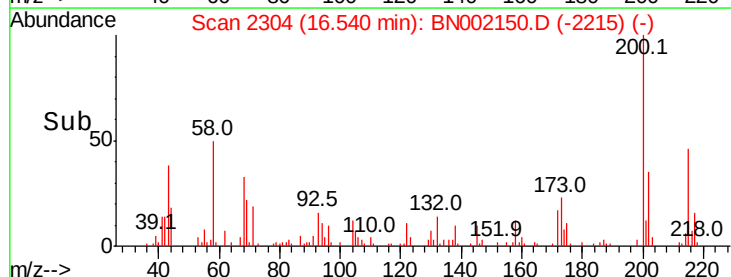
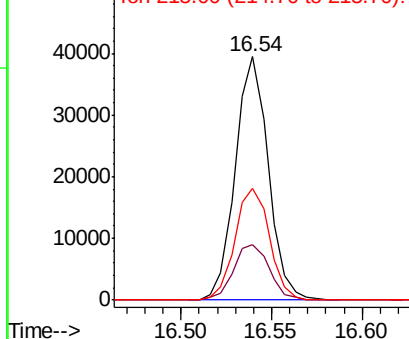
Lab File: BN002150.D

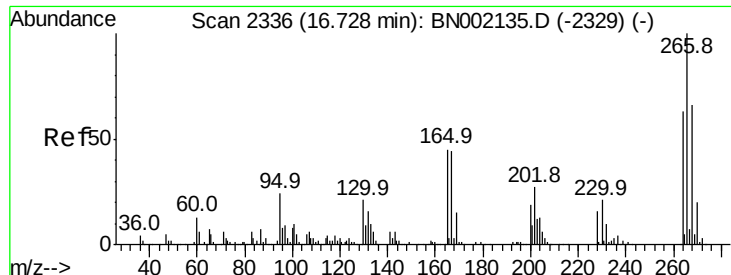
Acq: 25 Jul 2018 23:36

Tgt Ion:	200	Resp:	49883
Ion Ratio	Lower	Upper	
200	100		
173	22.5	5.2	45.2
215	46.1	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





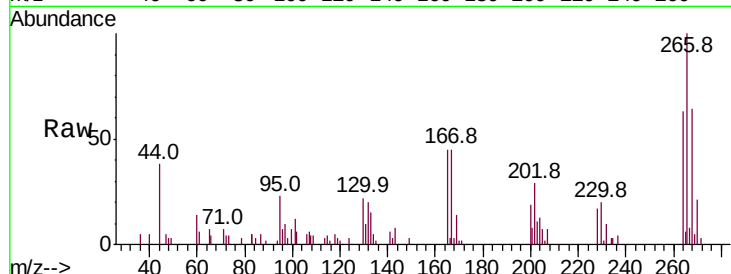
#69
 Pentachlorophenol
 Concen: 2.616 ng
 RT: 16.73 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

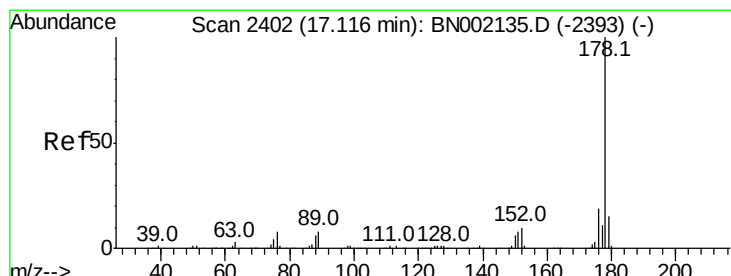
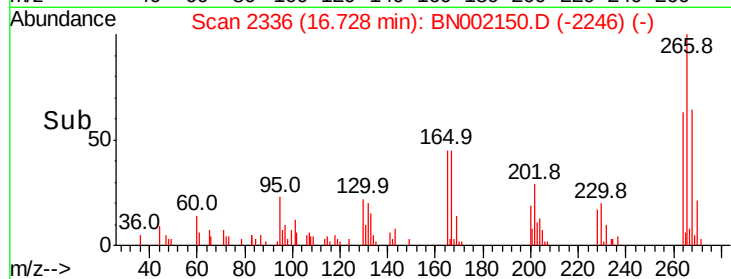
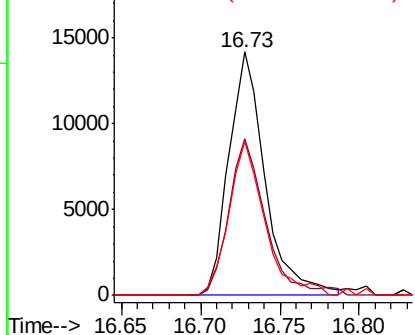
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.1	76.7
264	63.1	49.6	74.4

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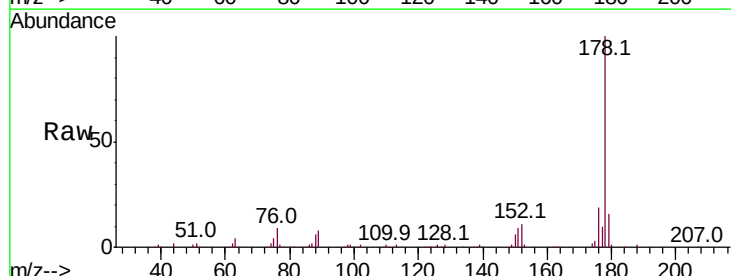


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

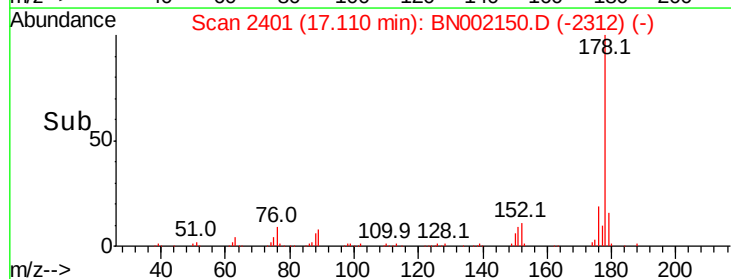
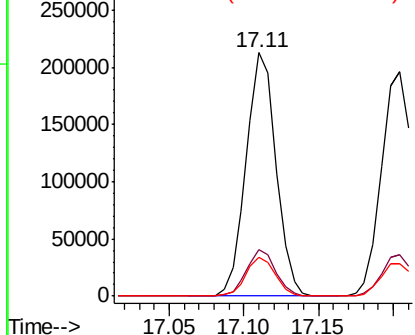


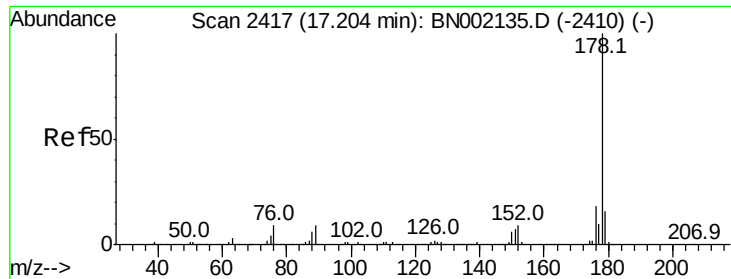
#70
 Phenanthrene
 Concen: 5.219 ng
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	16.1	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





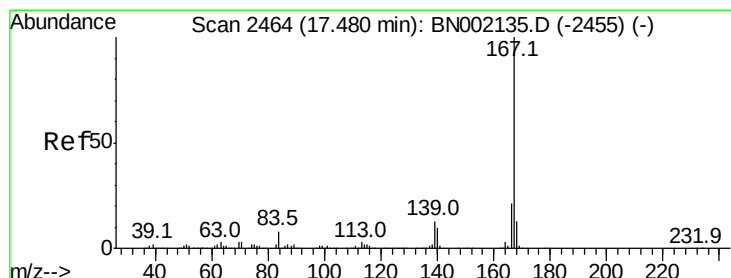
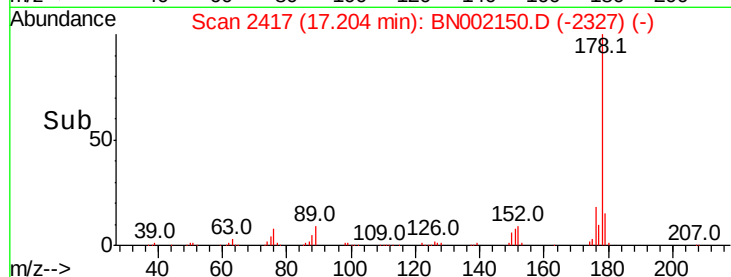
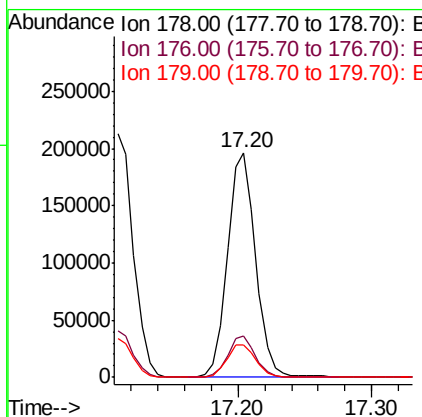
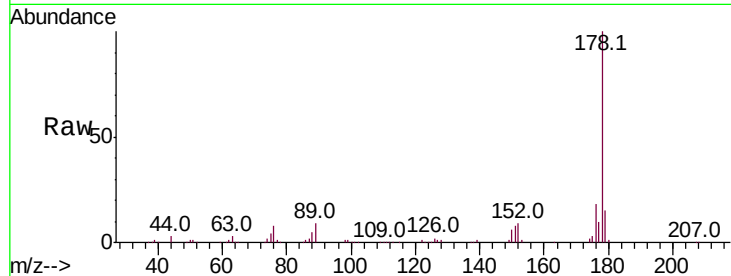
#71
 Anthracene
 Concen: 5.160 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.0	24.0
179	14.6	12.5	18.7

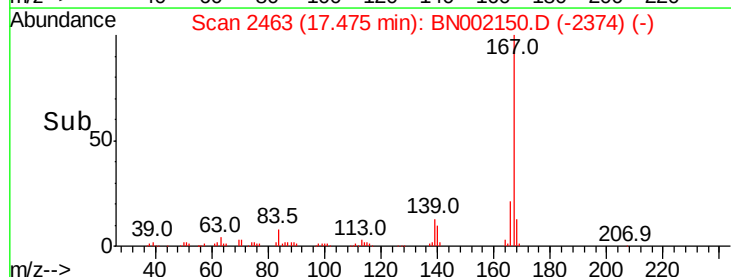
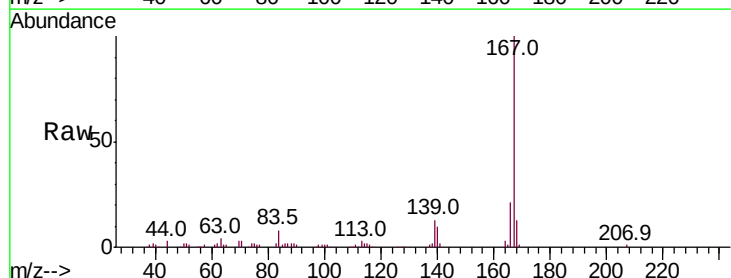
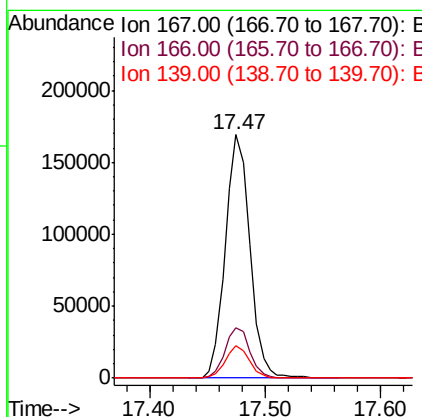
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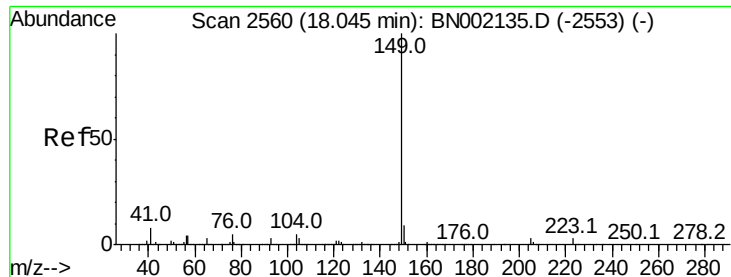
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#72
 Carbazole
 Concen: 4.443 ng
 RT: 17.47 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	18.2	27.4
139	13.3	9.4	14.2





#73

Di-n-butylphthalate

Concen: 4.118 ng

RT: 18.05 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

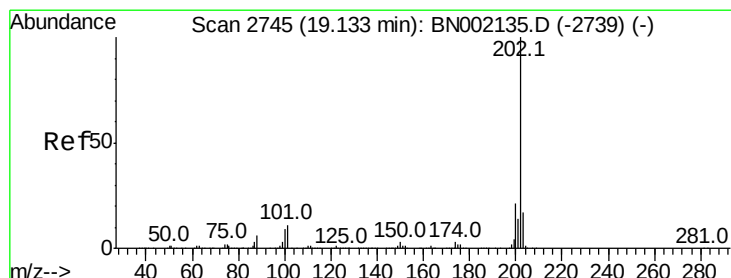
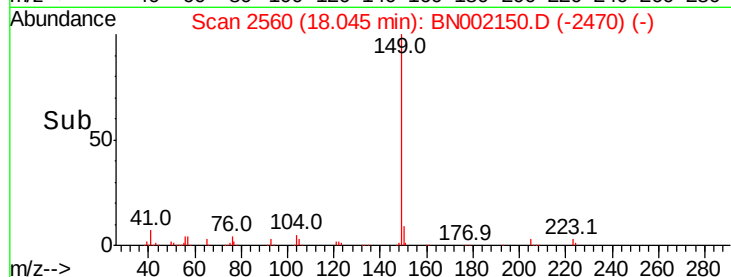
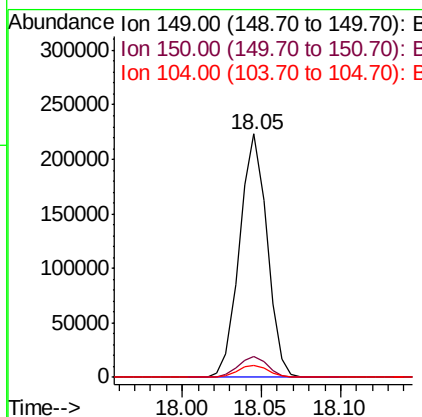
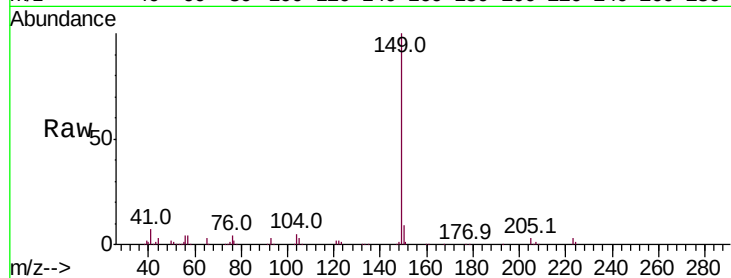
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	269697
Ion Ratio	Lower	Upper	
149	100		
150	8.5	7.8	11.6
104	4.7	3.9	5.9

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#74

Fluoranthene

Concen: 4.809 ng

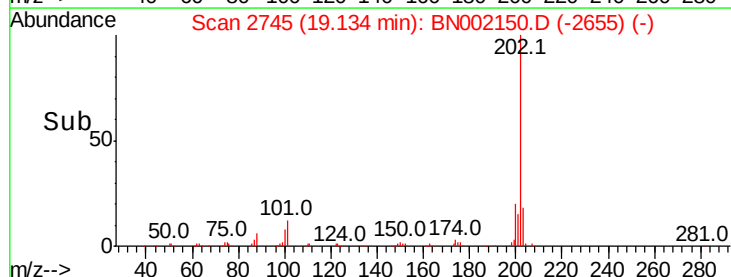
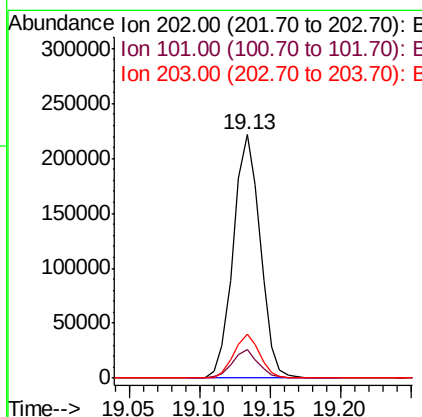
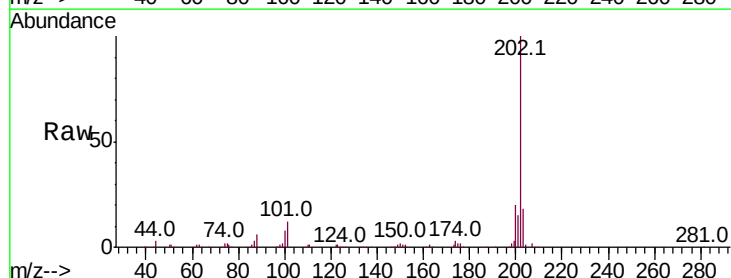
RT: 19.13 min Scan# 2745

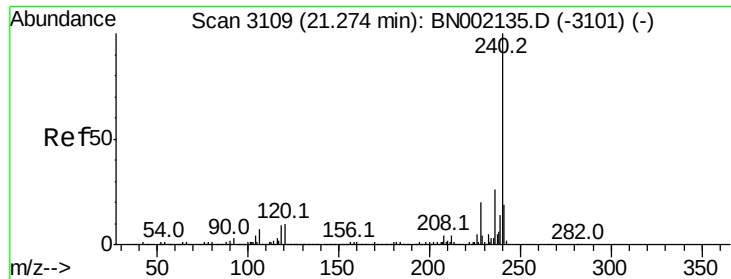
Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	202	Resp:	295168
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	28.9
203	18.3	0.0	37.5





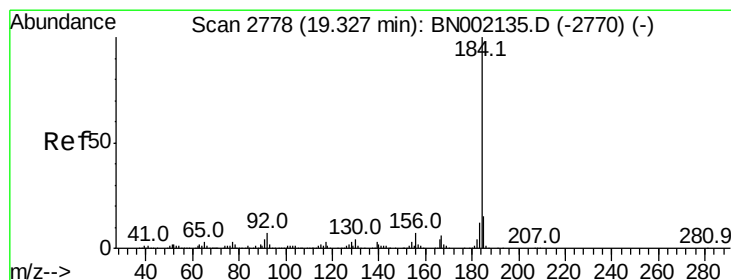
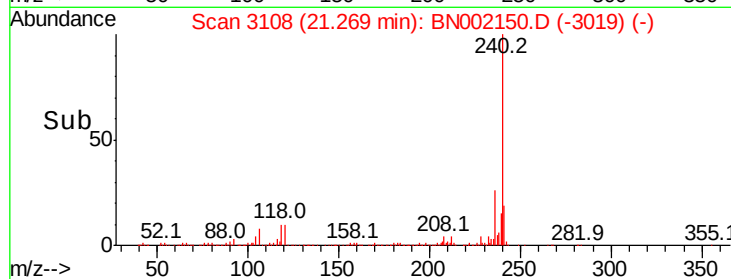
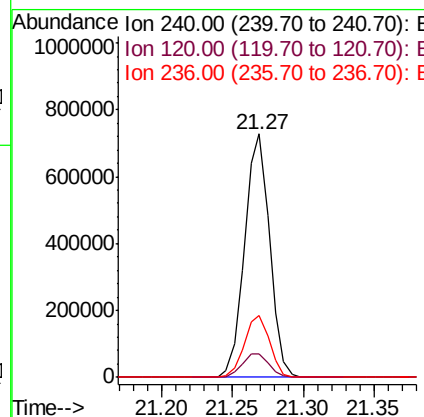
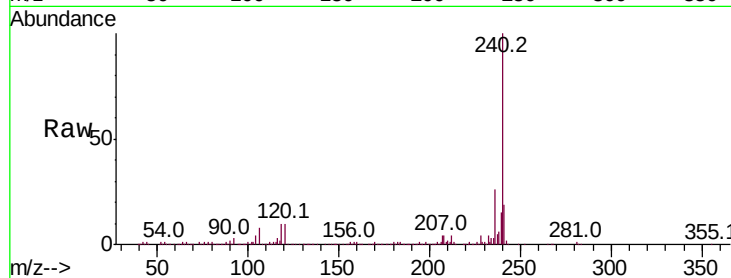
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.9	6.8	10.2	
236	25.5	20.9	31.3	

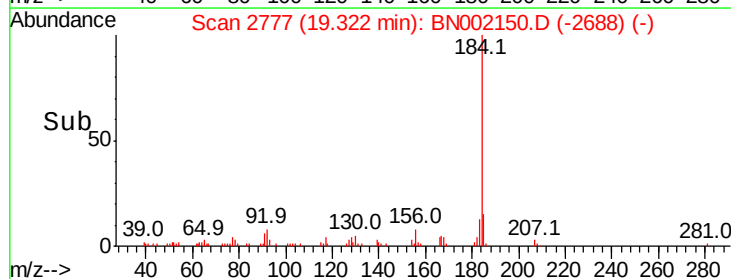
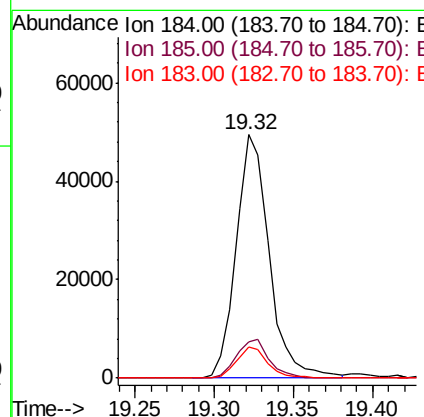
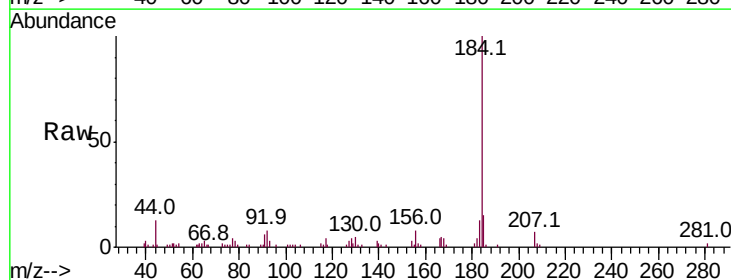
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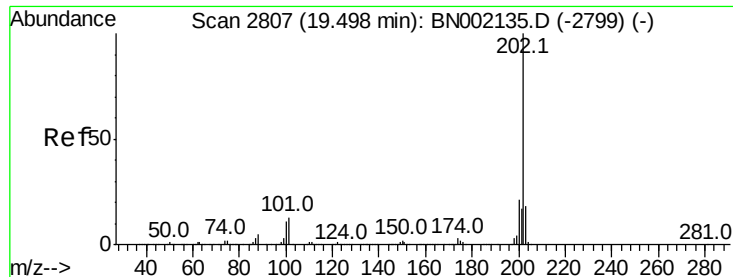
Sohil
 7/27/2018 11:35:45 AM



#76
 Benzidine
 Concen: 2.432 ng
 RT: 19.32 min Scan# 2777
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	15.1	11.1	16.7	
183	12.6	10.6	16.0	





#77

Pvrene

Concen: 4.871 ng

RT: 19.50 min Scan# 2807

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

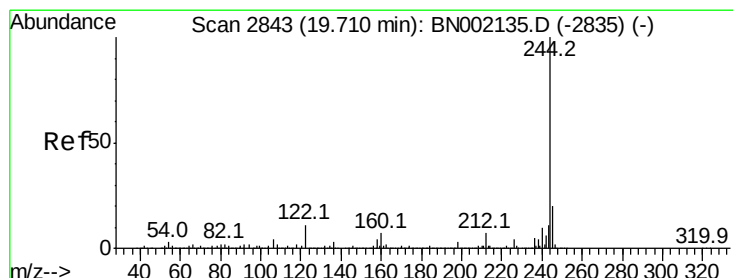
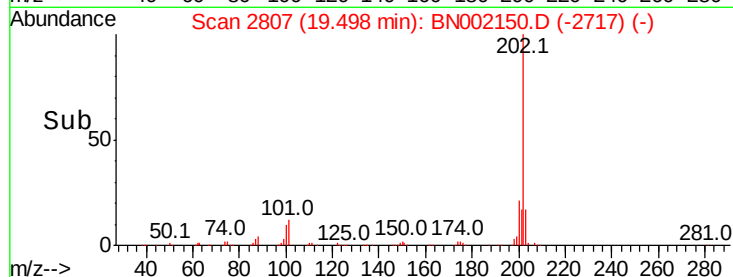
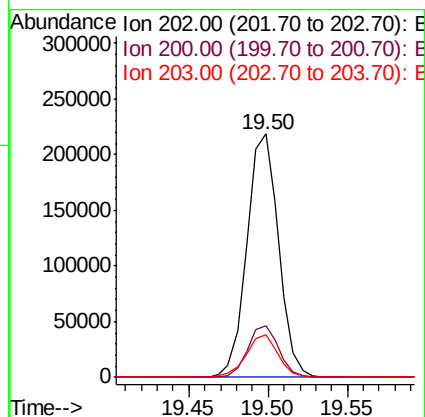
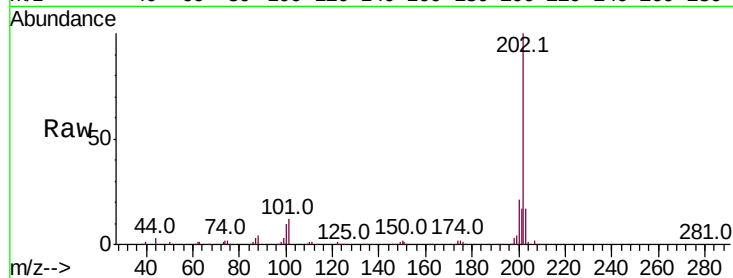
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	202	Resp:	302733
Ion Ratio		Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.4	13.9	20.9

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#78

Terphenyl-d14

Concen: 108.074 ng

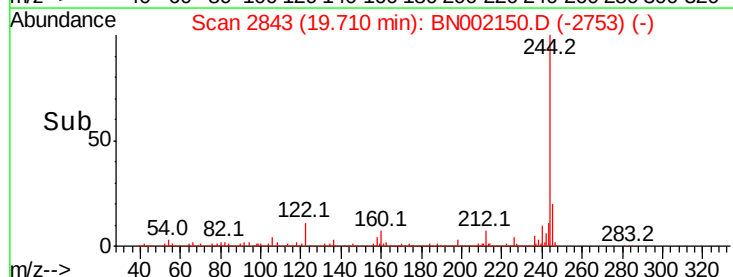
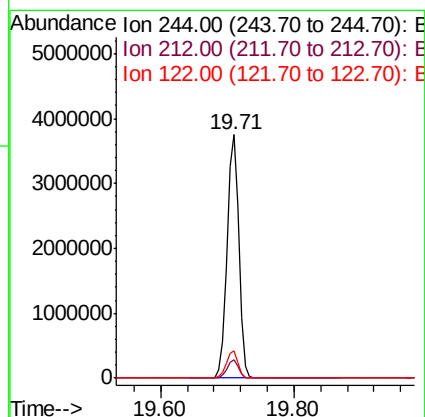
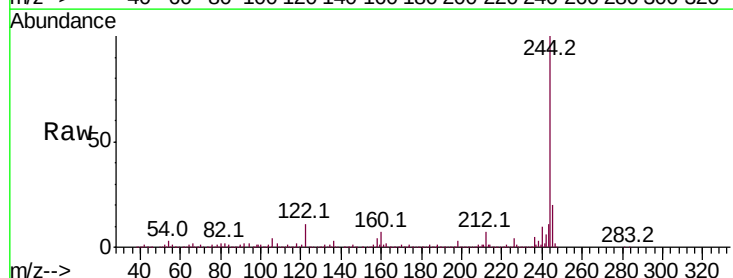
RT: 19.71 min Scan# 2843

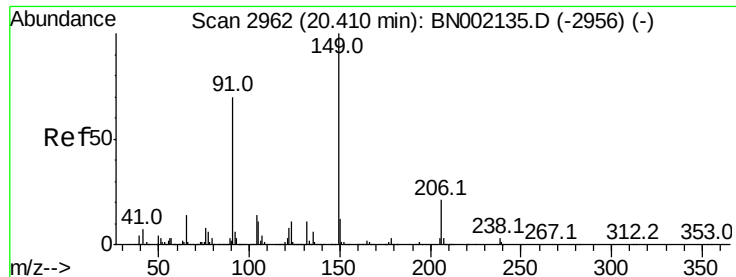
Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	244	Resp:	4669977
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.1	7.0	10.4#





#79

Butylbenzylphthalate

Concen: 3.867 ng

RT: 20.41 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Instrument :

BNA_N

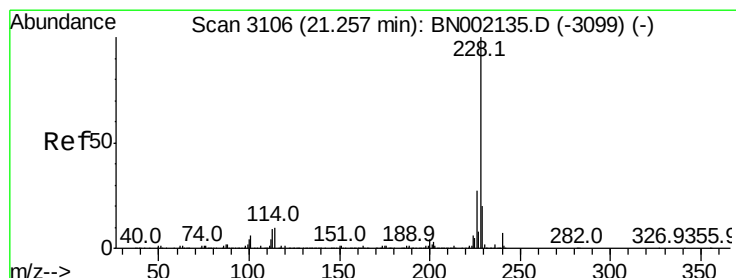
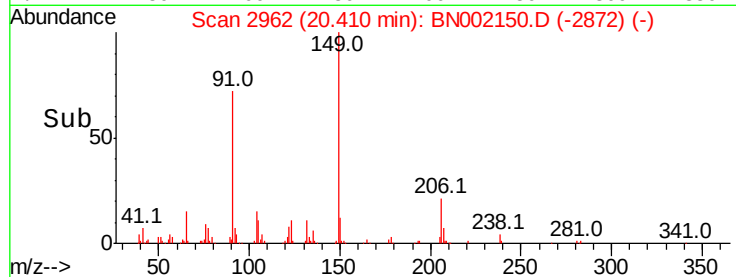
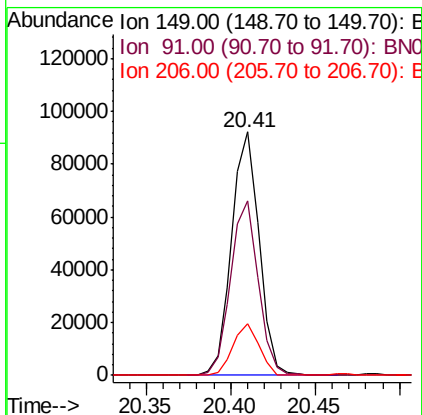
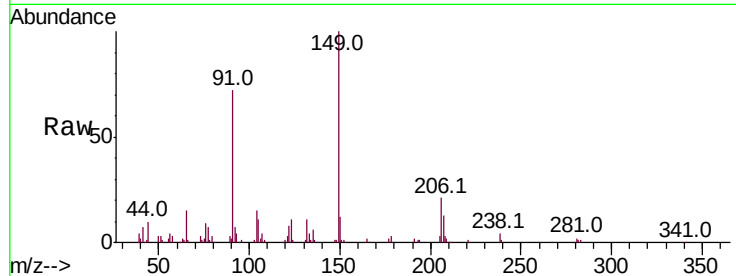
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	104621
Ion Ratio	Lower	Upper	
149	100		
91	71.8	62.2	93.2
206	21.1	18.6	27.8

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#80

Benzo(a)anthracene

Concen: 5.102 ng

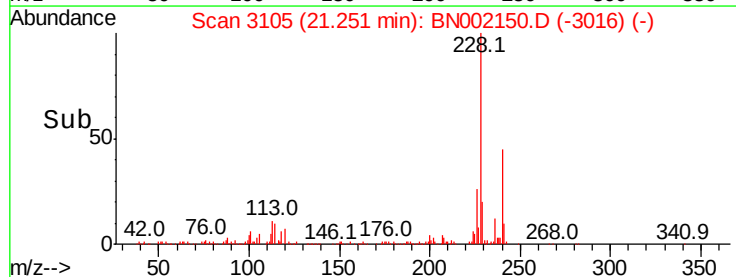
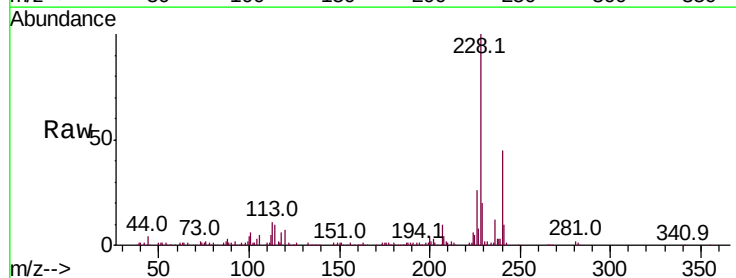
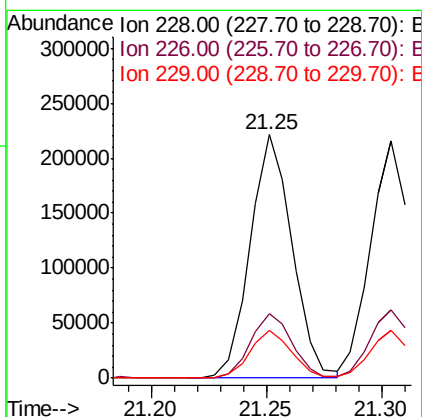
RT: 21.25 min Scan# 3105

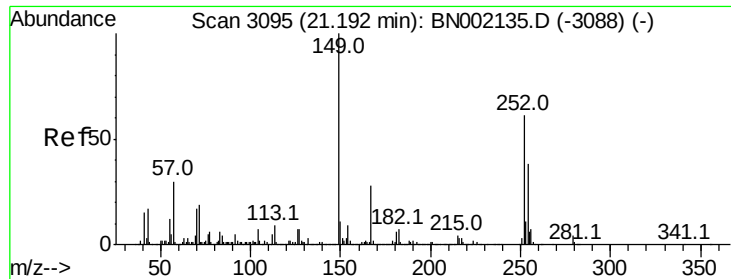
Delta R.T. -0.01 min

Lab File: BN002150.D

Acq: 25 Jul 2018 23:36

Tgt Ion:	228	Resp:	280257
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.7	34.1
229	19.7	16.2	24.2





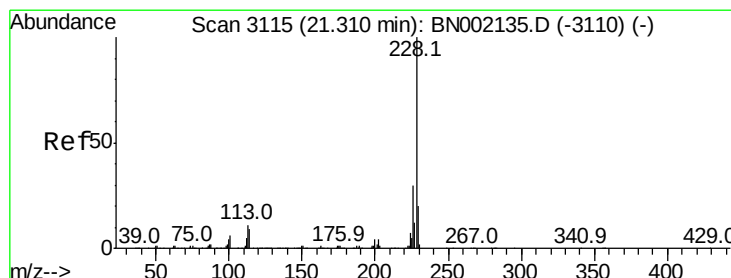
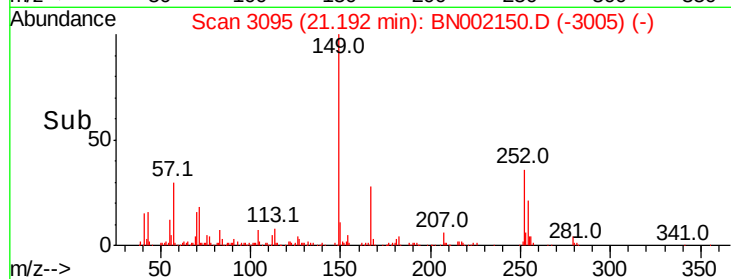
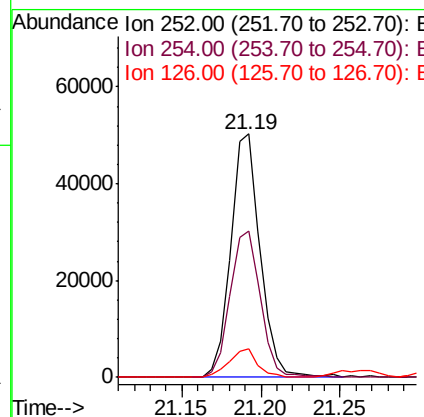
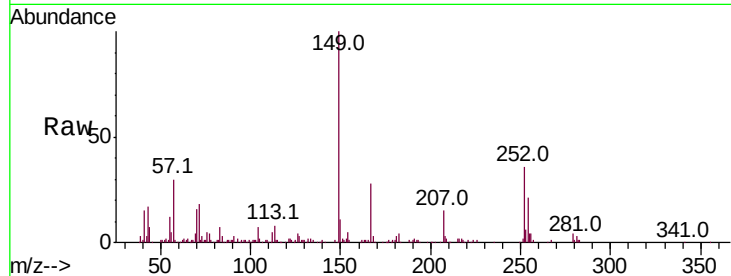
#81
 3,3'-Dichlorobenzidine
 Concen: 3.013 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	59.9	50.8	76.2
126	11.9	7.4	11.2

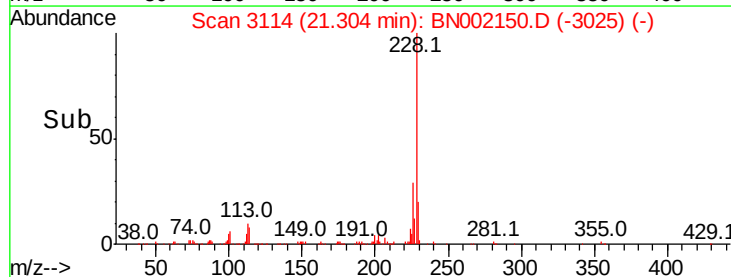
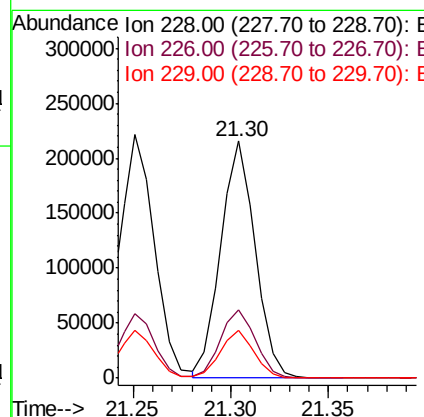
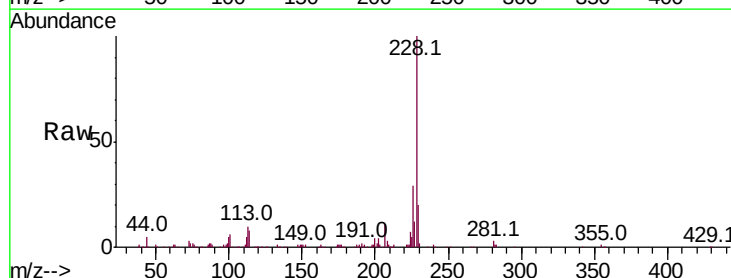
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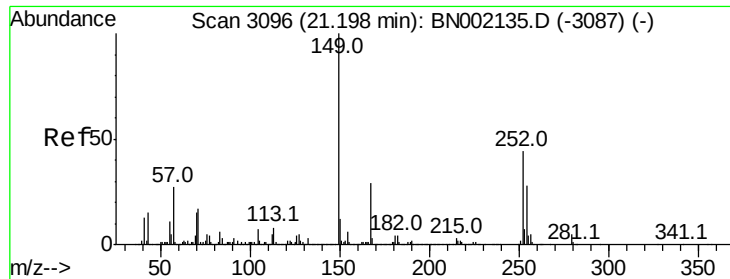
Sohil
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#82
 Chrysene
 Concen: 5.061 ng
 RT: 21.30 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.0	15.0	22.4





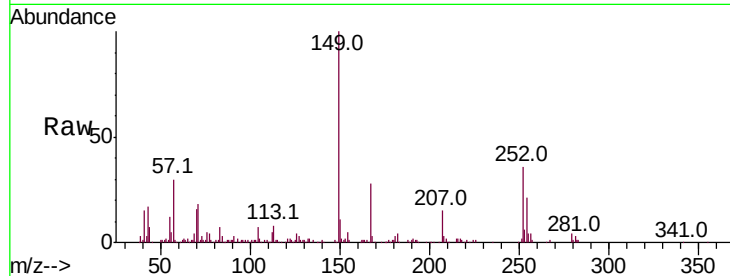
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.004 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	28.1	24.3	36.5	
279	4.5	4.0	6.0	

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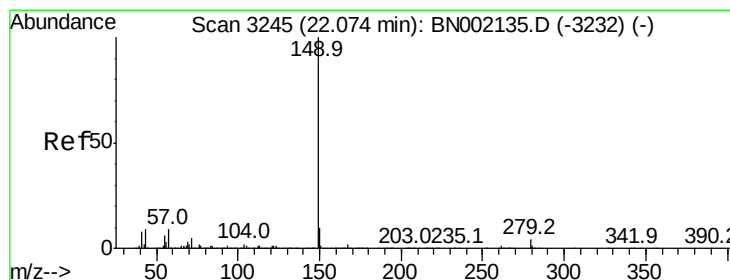
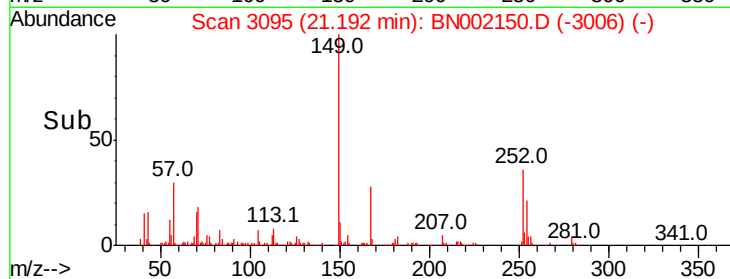
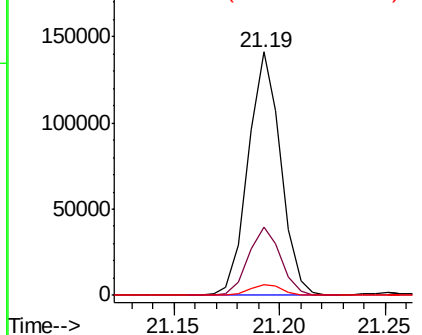


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 4.123 ng
 RT: 22.07 min Scan# 3244
 Delta R.T. -0.01 min
 Lab File: BN002150.D
 Acq: 25 Jul 2018 23:36

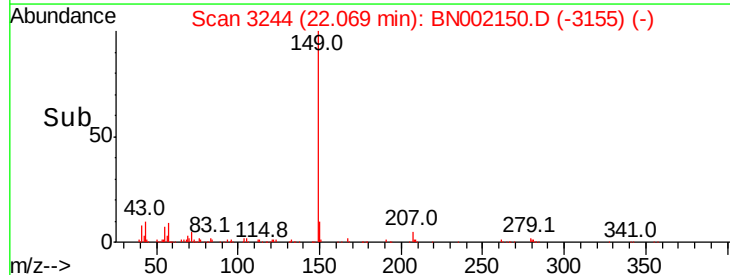
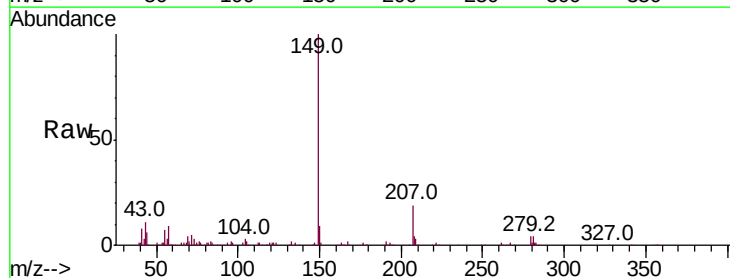
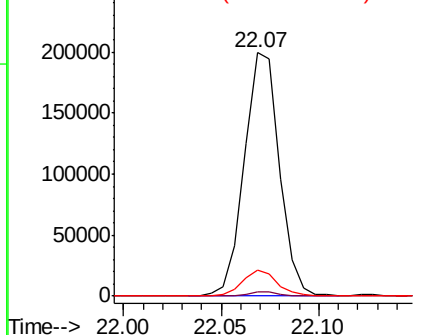
Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.4	2.0	
43	10.1	8.9	13.3	

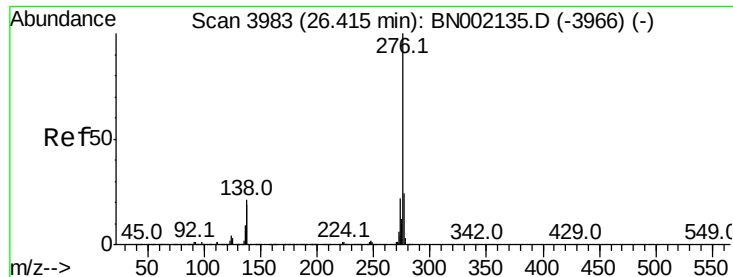
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC





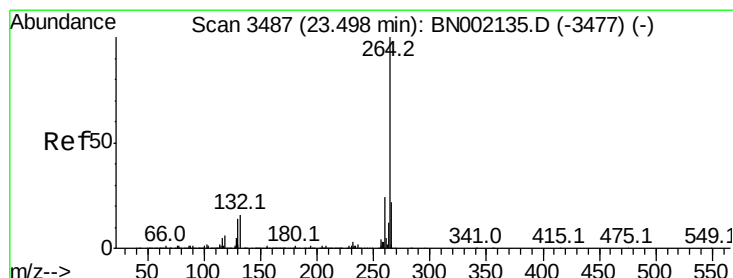
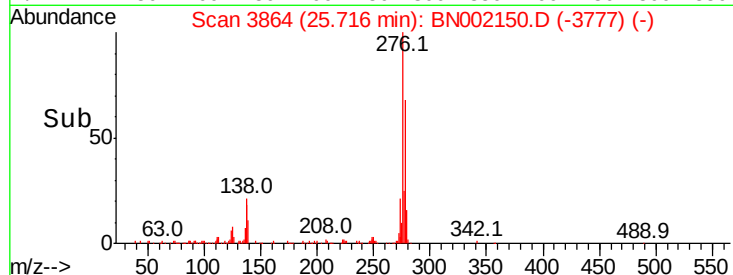
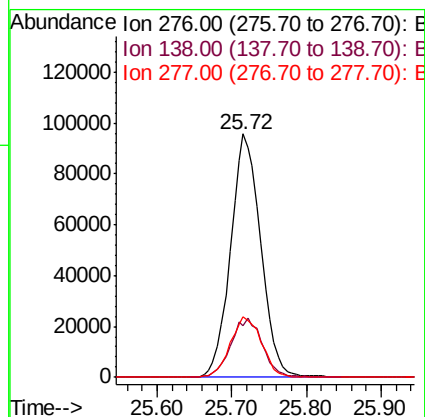
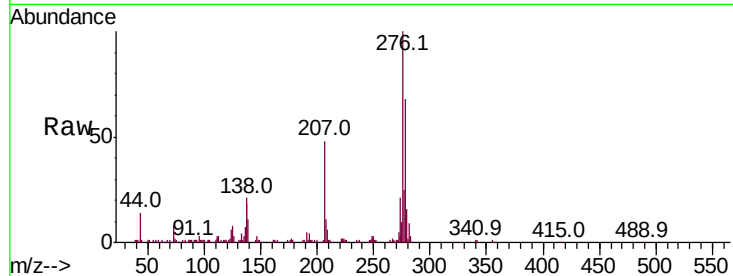
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.260 ng
RT: 25.72 min Scan# 3864
Delta R.T. -0.02 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	16.0	24.0#
277	25.7	20.0	30.0

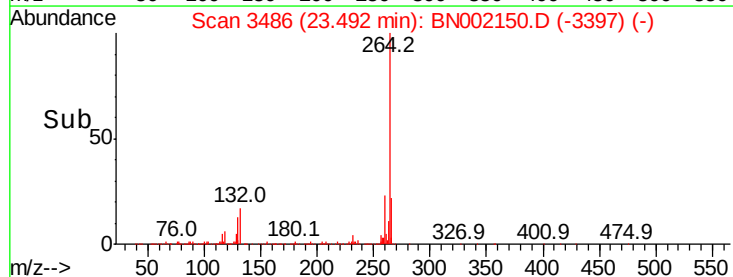
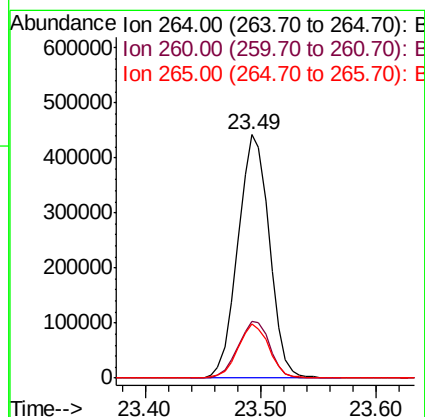
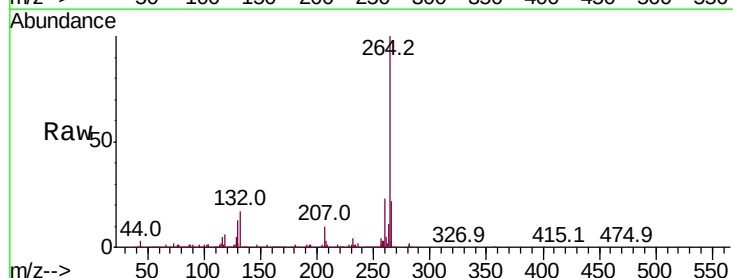
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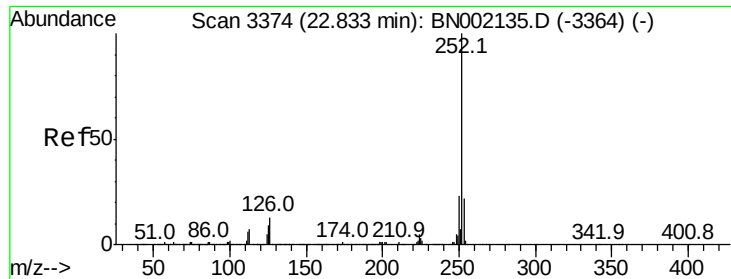
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.0	17.7	26.5





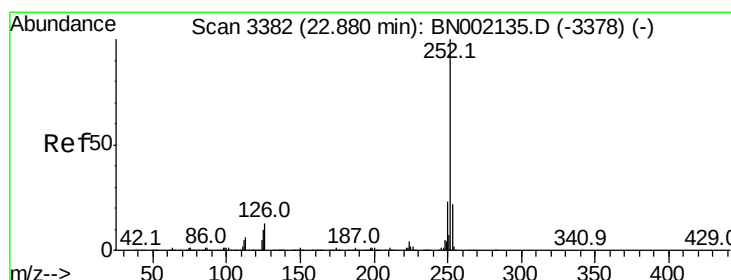
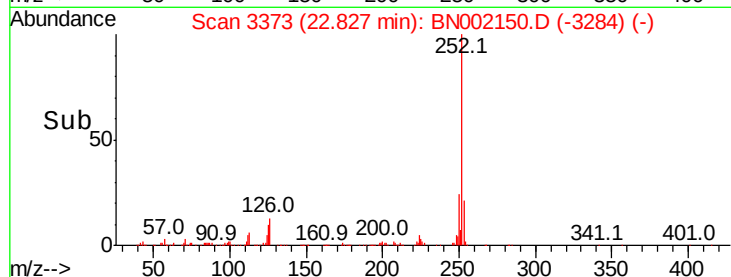
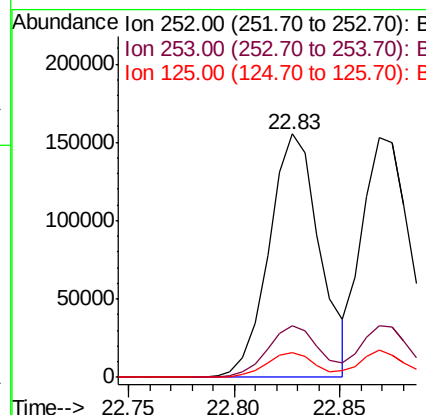
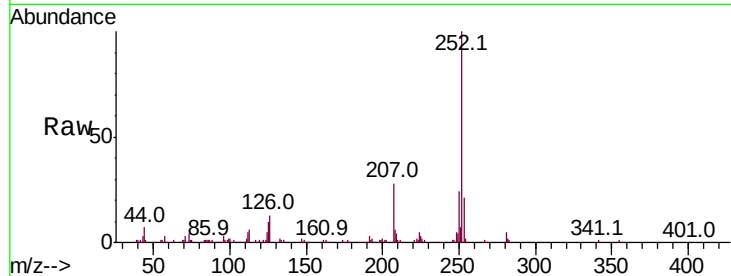
#87
Benzo(b)fluoranthene
Concen: 5.277 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	259893		
253	21.4		18.2	27.4
125	10.2		7.2	10.8

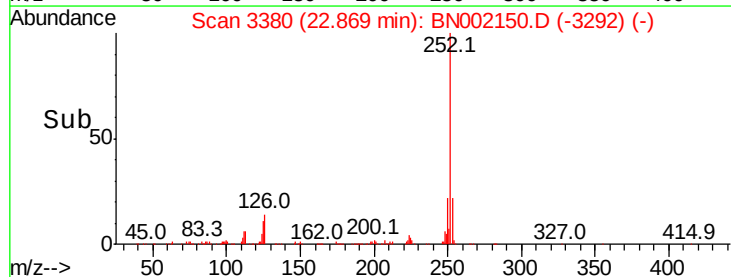
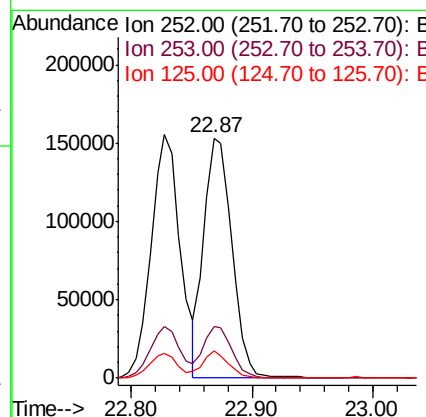
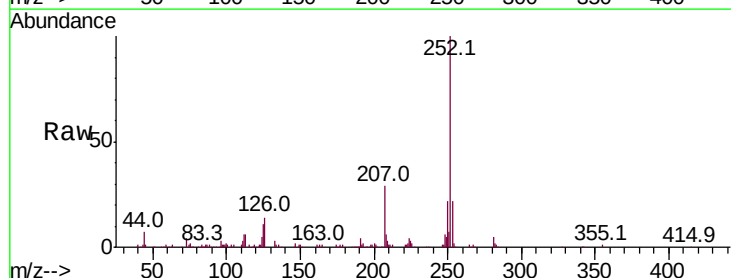
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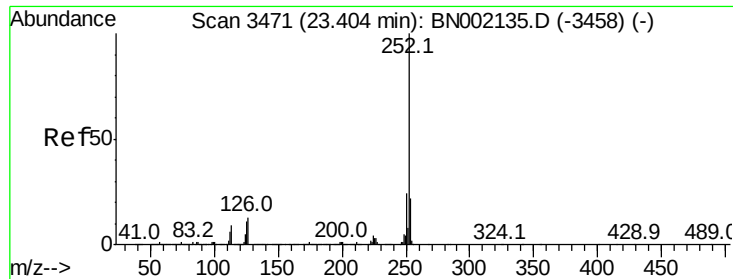
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.042 ng
RT: 22.87 min Scan# 3380
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	244558		
253	21.6		17.4	26.2
125	11.3		6.6	9.8#





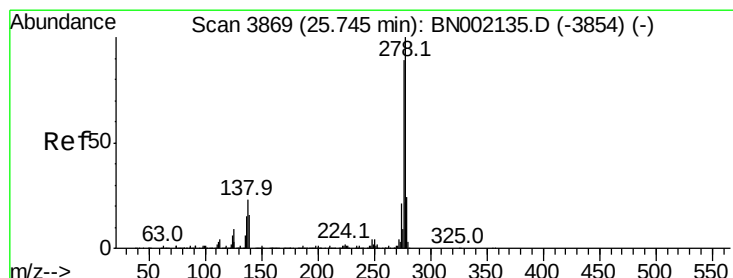
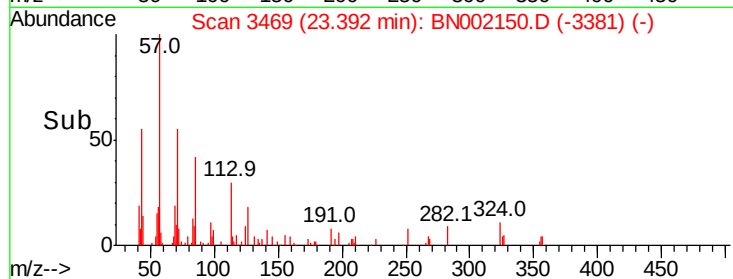
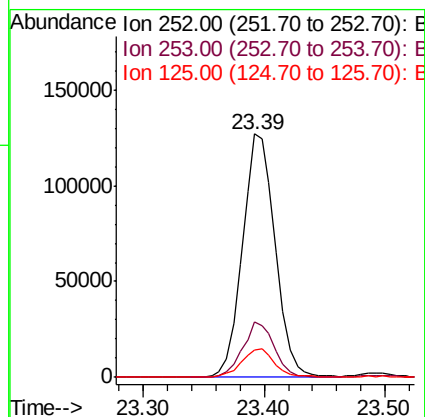
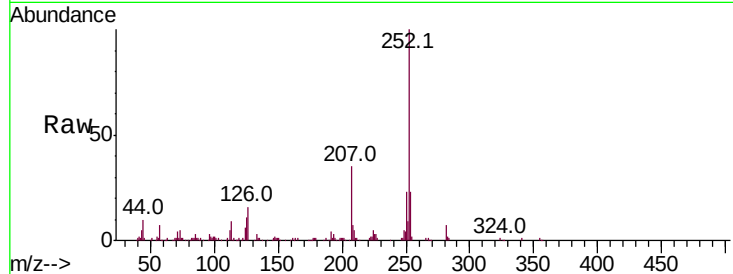
#89
Benzo(a)pyrene
Concen: 5.201 ng
RT: 23.39 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	11.1	7.3	10.9

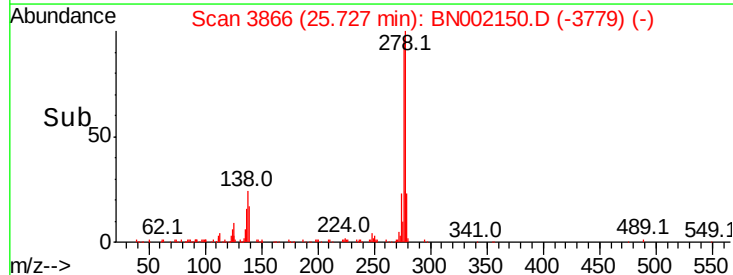
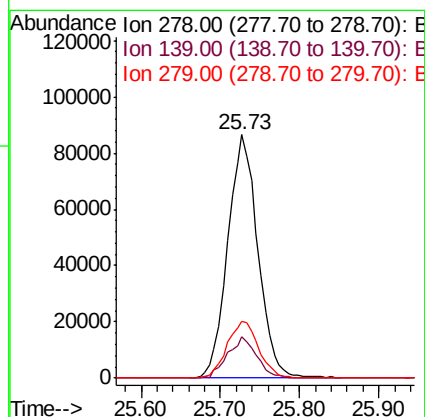
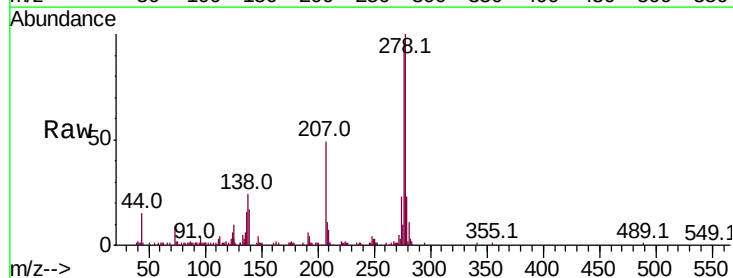
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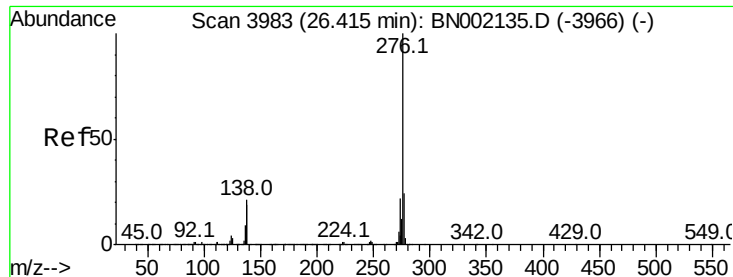
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.258 ng
RT: 25.73 min Scan# 3866
Delta R.T. -0.02 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	9.8	14.6
279	23.3	18.4	27.6





#91
Benzo(a,h,i)perylene
Concen: 5.359 ng
RT: 26.40 min Scan# 3980
Delta R.T. -0.02 min
Lab File: BN002150.D
Acq: 25 Jul 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.3	27.5
138	21.8	13.9	20.9

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7/27/2018 11:35:45 AM

