

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003280.D
 Acq On : 24 Oct 2018 20:17
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 1PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
 APPROVED

Sohil

10/25/2018 3:20:14 PM

Quant Time: Oct 25 06:50:25 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 24 14:21:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	98646	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	449396	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	287946	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	673907	20.00	ng	0.00
76) Chrysene-d12	21.21	240	766107	20.00	ng	0.00
87) Perylene-d12	23.42	264	803475	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	776057	137.02	ng	0.00
7) Phenol-d6	6.80	99	1077100	133.74	ng	0.00
23) Nitrobenzene-d5	8.76	82	649328	82.86	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	546729	141.01	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1738758	81.91	ng	0.00
79) Terphenyl-d14	19.64	244	2800057	78.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.22	88	2582	0.960	ng	# 91
3) Pyridine	3.67	79	1691	0.275	ng	# 65
4) n-Nitrosodimethylamine	3.56	42	1460	0.645	ng	# 51
6) Aniline	6.95	93	6707	0.667	ng	# 91
8) 2-Chlorophenol	7.17	128	7193	1.031	ng	# 68
9) Benzaldehyde	6.80	77	5815	1.243	ng	# 57
10) Phenol	6.82	94	8366	0.984	ng	# 20
11) bis(2-Chloroethyl)ether	7.05	93	6245	0.900	ng	94
12) 1,3-Dichlorobenzene	7.49	146	7770	1.002	ng	91
13) 1,4-Dichlorobenzene	7.63	146	7788	0.975	ng	92
14) 1,2-Dichlorobenzene	7.95	146	7500	0.968	ng	96
15) Benzyl Alcohol	7.91	79	13737	2.367	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	8.13	45	9968	0.979	ng	88
17) 2-Methylphenol	8.08	107	4856	0.836	ng	# 90
18) Hexachloroethane	8.66	117	2669	0.954	ng	92
19) n-Nitroso-di-n-propylamine	8.41	70	4988	0.859	ng	# 87
20) 3+4-Methylphenols	8.45	107	3928	0.476	ng	# 17
22) Acetophenone	8.44	105	10048	0.922	ng	# 95
24) Nitrobenzene	8.80	77	8357	1.045	ng	93
25) Isophorone	9.33	82	14476	1.053	ng	98
26) 2-Nitrophenol	9.53	139	2159	0.513	ng	# 78
27) 2,4-Dimethylphenol	9.65	122	4723	0.798	ng	93
28) bis(2-Chloroethoxy)methane	9.85	93	8909	0.962	ng	# 89
29) 2,4-Dichlorophenol	10.16	162	4345	0.643	ng	88
30) 1,2,4-Trichlorobenzene	10.26	180	7555	0.984	ng	97
31) Naphthalene	10.43	128	24061	1.096	ng	99
32) Benzoic acid	9.65	122	4723	5.842	ng	# 11
33) 4-Chloroaniline	10.62	127	5164	0.532	ng	# 94
34) Hexachlorobutadiene	10.70	225	4010	0.875	ng	94
35) Caprolactam	11.37	113	538	0.203	ng	# 63
36) 4-Chloro-3-methylphenol	11.76	107	6009	0.798	ng	# 95
37) 2-Methylnaphthalene	12.06	142	17557	1.119	ng	96
38) 1-Methylnaphthalene	12.27	142	17926	1.170	ng	# 97
40) 1,2,4,5-Tetrachlorobenzene	12.43	216	9132	0.959	ng	# 91

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Manual Integrations
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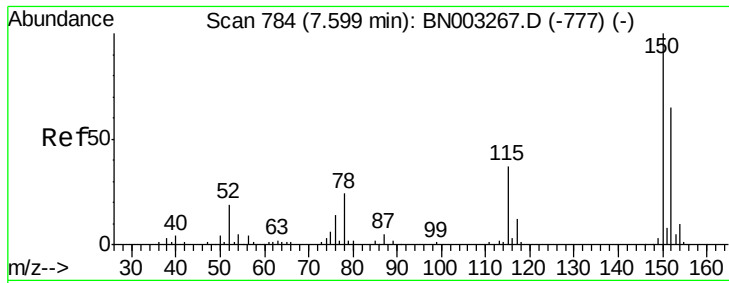
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10/25/2018 3:20:14 PM

Quant Time: Oct 25 06:50:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.72	196	4394m	0.730	ng	
44) 2,4,5-Trichlorophenol	12.72	196	4394	0.700	ng	# 74
46) 1,1'-Biphenyl	13.08	154	26227	1.038	ng	97
47) 2-Chloronaphthalene	13.13	162	17750	0.952	ng	96
48) 2-Nitroaniline	13.39	65	3617	0.660	ng	# 77
49) Acenaphthylene	13.97	152	28467	0.998	ng	97
50) Dimethylphthalate	13.73	163	22730	0.976	ng	100
51) 2,6-Dinitrotoluene	13.87	165	3895	0.737	ng	# 82
52) Acenaphthene	14.31	154	18055	1.044	ng	95
53) 3-Nitroaniline	14.23	138	2477	0.438	ng	# 59
55) Dibenzofuran	14.66	168	28390	1.009	ng	96
56) 4-Nitrophenol	14.66	139	9859	7.677	ng	# 11
57) 2,4-Dinitrotoluene	14.67	165	2847	0.397	ng	# 63
58) Fluorene	15.30	166	23085	1.064	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.91	232	4228	0.767	ng	# 87
60) Diethylphthalate	15.08	149	22555	0.955	ng	95
61) 4-Chlorophenyl-phenylether	15.30	204	11299	0.937	ng	98
62) 4-Nitroaniline	15.45	138	2219	0.402	ng	91
63) Azobenzene	15.59	77	20259	0.928	ng	96
65) 4,6-Dinitro-2-methylphenol	15.52	198	963	0.205	ng	# 1
66) n-Nitrosodiphenylamine	15.53	169	19005	0.901	ng	96
67) 4-Bromophenyl-phenylether	16.20	248	7403	0.975	ng	92
68) Hexachlorobenzene	16.32	284	8429	0.975	ng	96
69) Atrazine	16.49	200	6091	0.815	ng	91
70) Pentachlorophenol	16.72	266	261	6.587	ng	# 18
71) Phenanthrene	17.05	178	39429	1.113	ng	98
72) Anthracene	17.16	178	36751	1.040	ng	98
73) Carbazole	17.45	167	32932	0.900	ng	97
74) Di-n-butylphthalate	17.97	149	34971	0.819	ng	98
75) Fluoranthene	19.09	202	43972	1.053	ng	98
77) Benzidine	19.32	184	6076	0.271	ng	94
78) Pyrene	19.45	202	45200	1.004	ng	98
80) Butylbenzylphthalate	20.34	149	16960	0.811	ng	99
81) Benzo(a)anthracene	21.19	228	49281	1.105	ng	99
82) 3,3'-Dichlorobenzidine	21.15	252	12893	0.698	ng	95
83) Chrysene	21.25	228	48138	1.122	ng	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	26826	0.865	ng	100
85) Di-n-octyl phthalate	21.99	149	50098	0.942	ng	99
86) Indeno(1,2,3-cd)pyrene	25.65	276	51366	1.045	ng	98
88) Benzo(b)fluoranthene	22.77	252	46428	1.049	ng	96
89) Benzo(k)fluoranthene	22.82	252	50106	1.155	ng	98
90) Benzo(a)pyrene	23.32	252	44742m	1.061	ng	
91) Dibenzo(a,h)anthracene	25.65	278	43227	1.036	ng	# 93
92) Benzo(g,h,i)perylene	26.34	276	42906	1.071	ng	98

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



#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

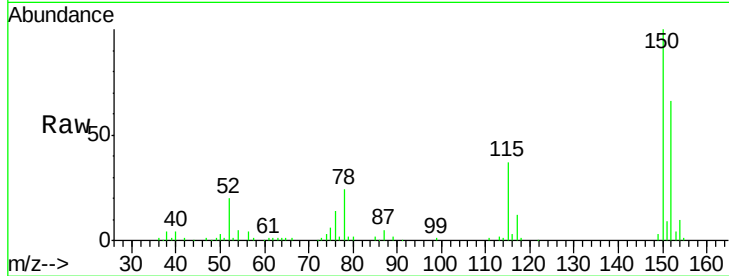
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.8	185.8
115	56.6	45.9	68.9

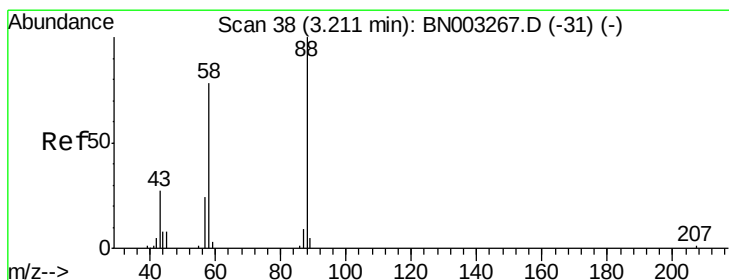
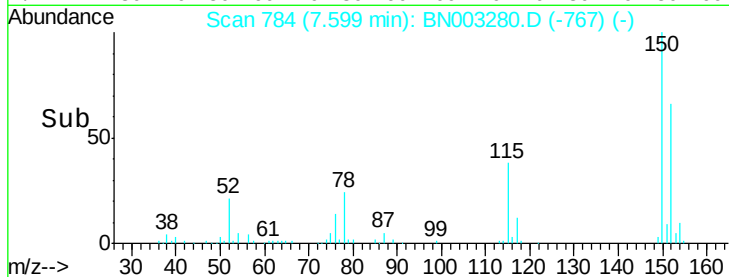
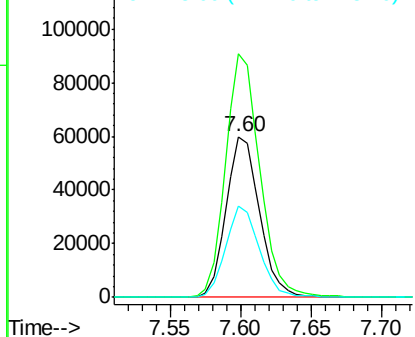
Manual Integrations
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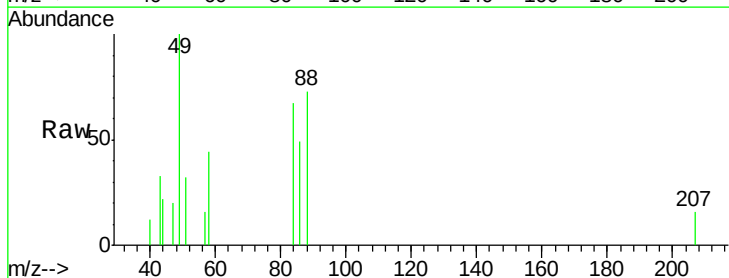
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



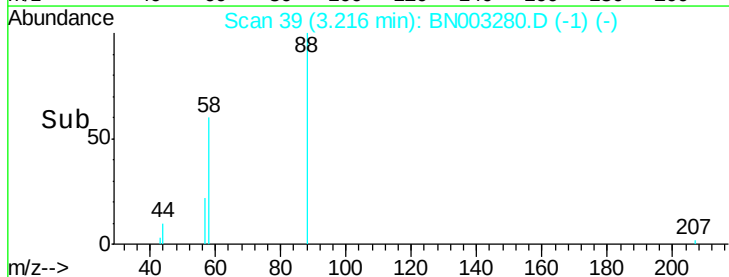
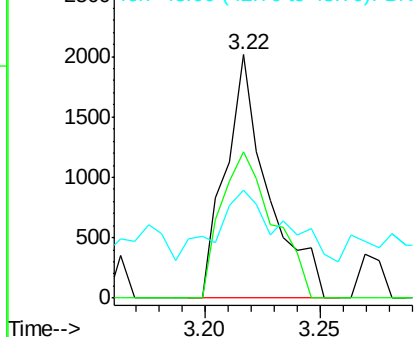
#2

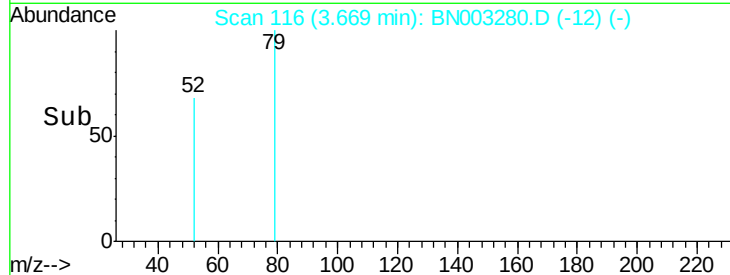
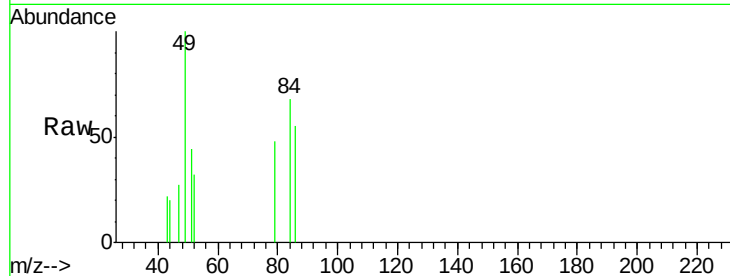
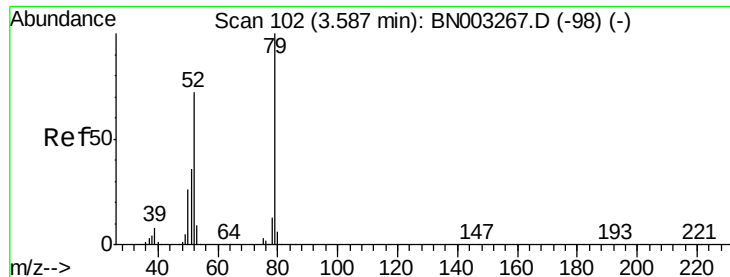
1,4-Dioxane
 Concen: 0.960 ng
 RT: 3.22 min Scan# 39
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.4	61.1	91.7
43	41.4	22.2	33.4



Abundance Ion 88.00 (87.70 to 88.70): BNC
 Ion 58.00 (57.70 to 58.70): BNC
 Ion 43.00 (42.70 to 43.70): BNC





#3
Pyridine
Concen: 0.275 ng
RT: 3.67 min Scan# 116
Delta R.T. 0.08 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

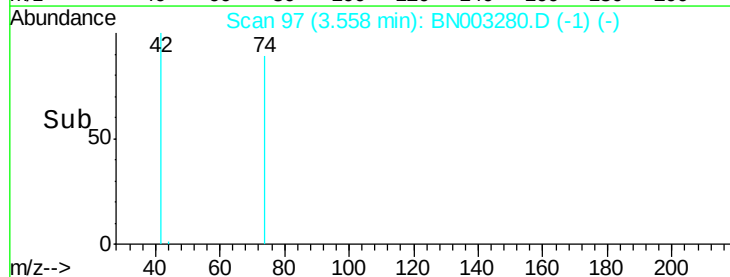
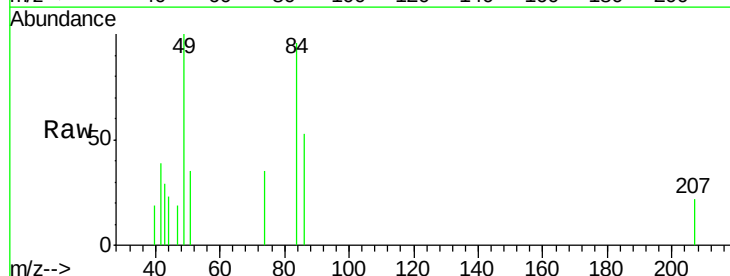
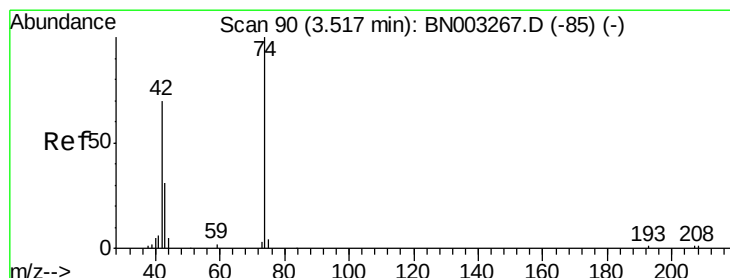
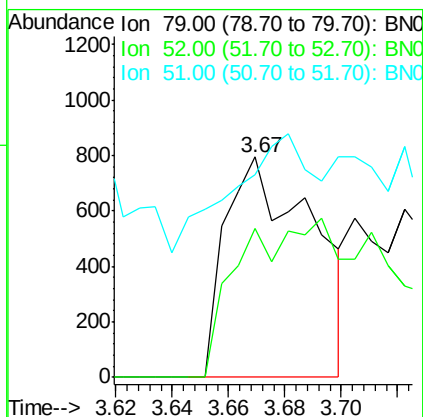
Tgt Ion	Ratio	Lower	Upper
79	100		
52	67.6	57.7	86.5
51	91.9	28.7	43.1#

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
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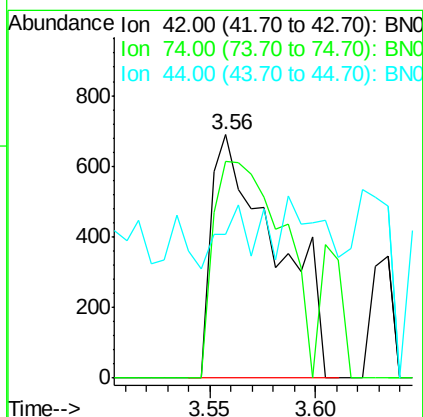
Sohil

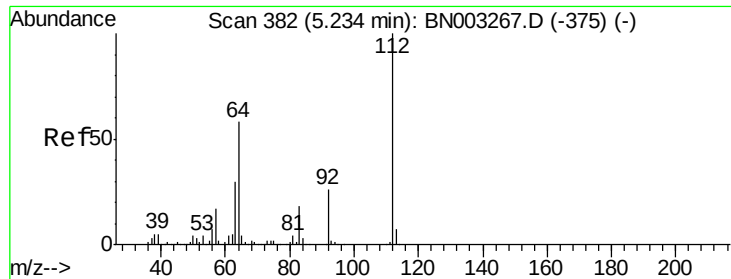
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#4
n-Nitrosodimethylamine
Concen: 0.645 ng
RT: 3.56 min Scan# 97
Delta R.T. 0.04 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	89.1	114.2	171.4#
44	59.1	6.1	9.1#





#5

2-Fluorophenol

Concen: 137.025 ng

RT: 5.23 min Scan# 381

Delta R.T. -0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

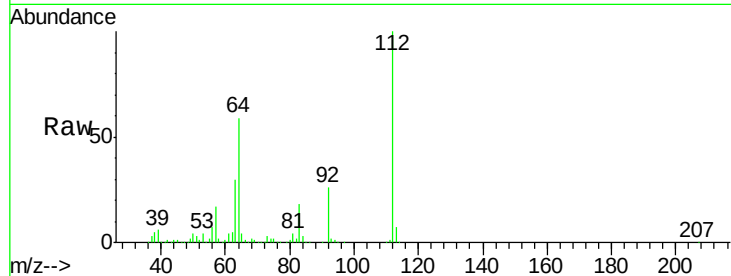
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	112	Resp:	776057
Ion Ratio	Lower	Upper	
112	100		
64	59.4	46.6	69.8
63	29.6	23.8	35.8

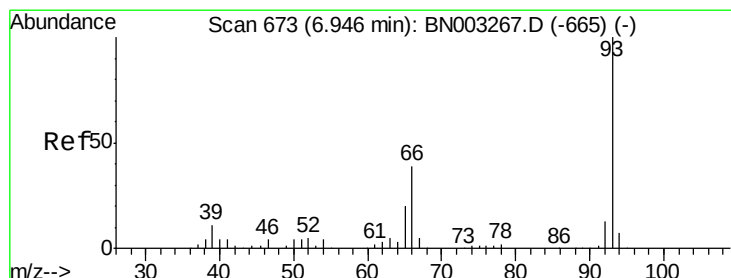
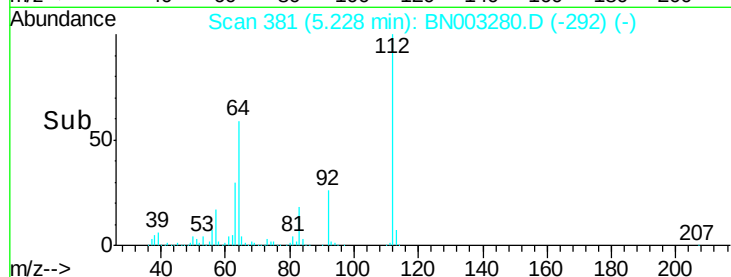
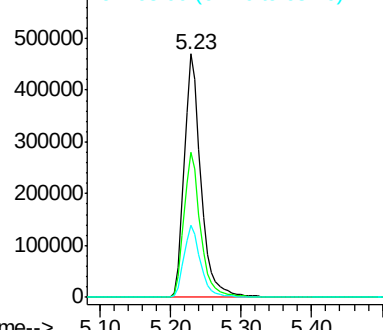
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Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 0.667 ng

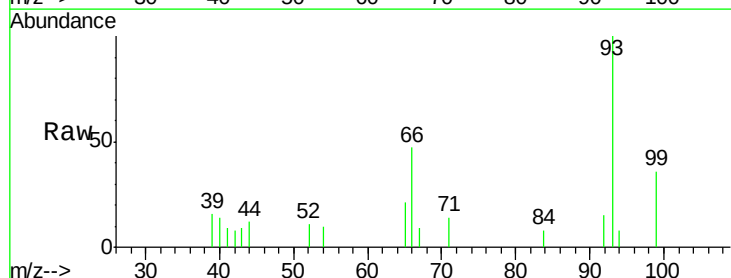
RT: 6.95 min Scan# 673

Delta R.T. -0.00 min

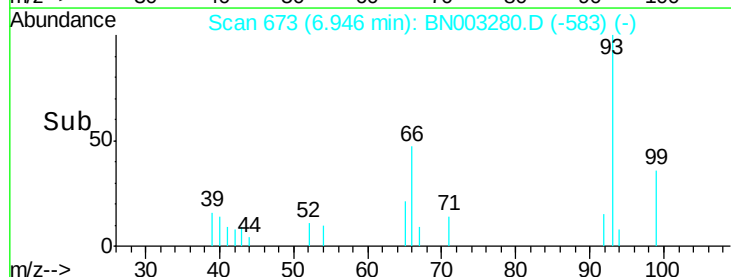
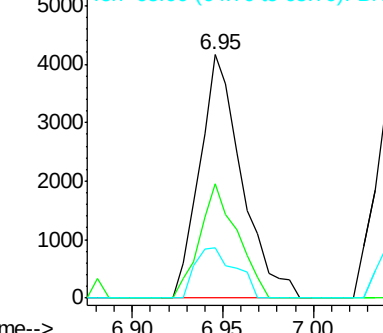
Lab File: BN003280.D

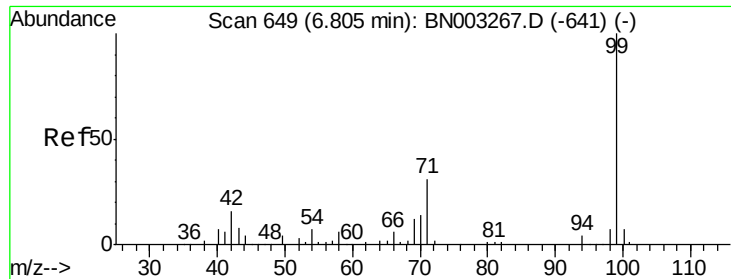
Acq: 24 Oct 2018 20:17

Tgt Ion:	93	Resp:	6707
Ion Ratio	Lower	Upper	
93	100		
66	47.0	31.4	47.0#
65	20.5	15.7	23.5



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 66.00 (65.70 to 66.70): BNC
Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 133.745 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 99 Resp: 1077100

Ion Ratio Lower Upper

99 100

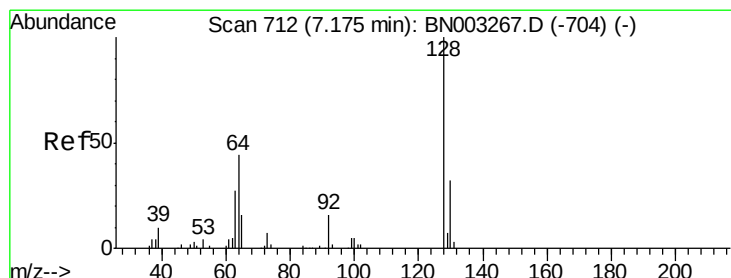
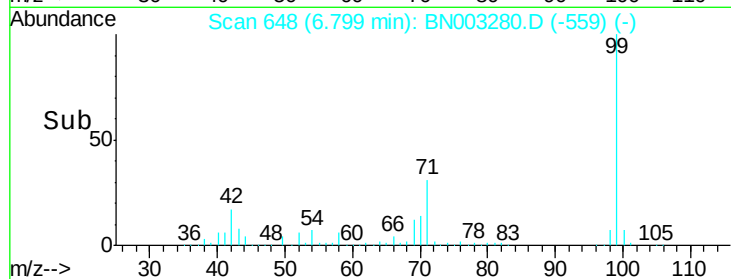
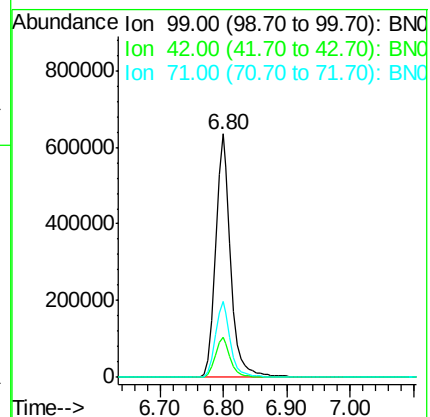
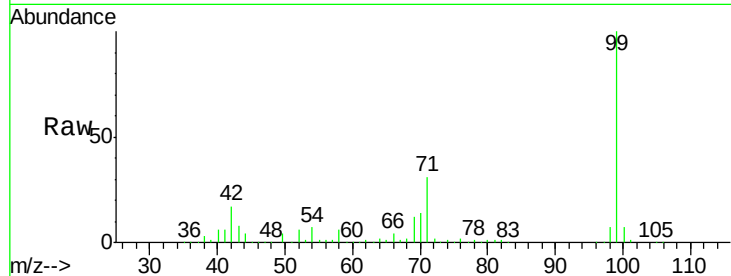
42 16.7 13.0 19.6

71 31.3 24.5 36.7

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#8

2-Chlorophenol

Concen: 1.031 ng

RT: 7.17 min Scan# 711

Delta R.T. -0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

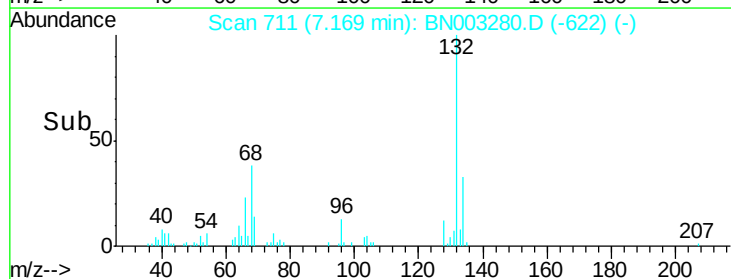
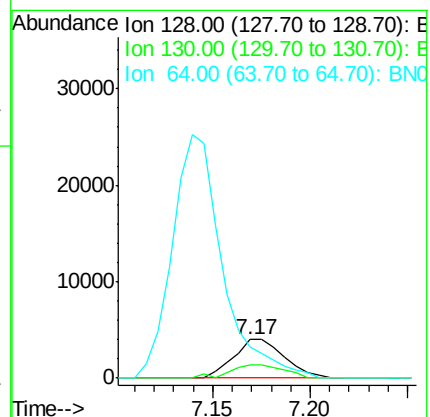
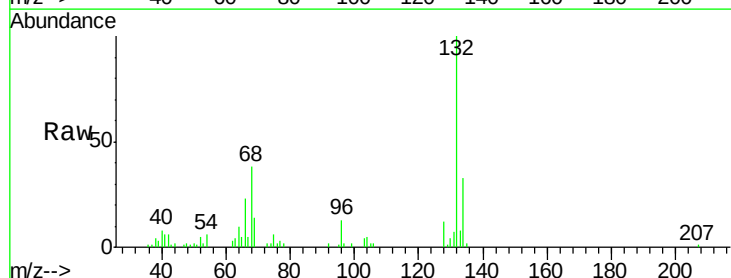
Tgt Ion: 128 Resp: 7193

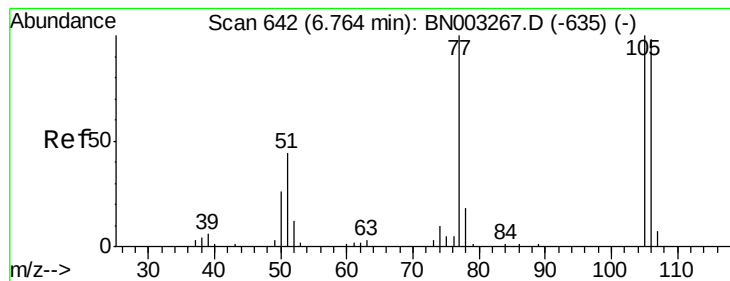
Ion Ratio Lower Upper

128 100

130 35.5 12.4 52.4

64 80.4 27.0 67.0#





#9

Benzaldehyde

Concen: 1.243 ng

RT: 6.80 min Scan# 648

Delta R.T. 0.04 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 77 Resp: 5815

Ion Ratio Lower Upper

77 100

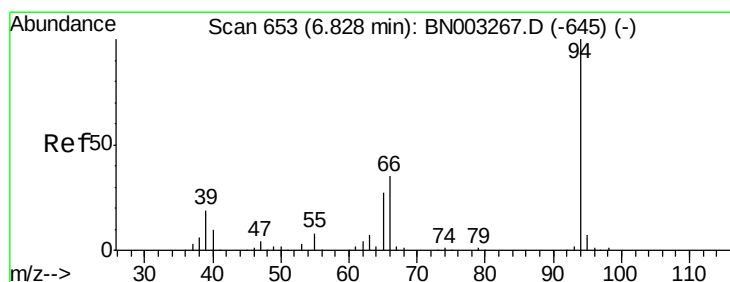
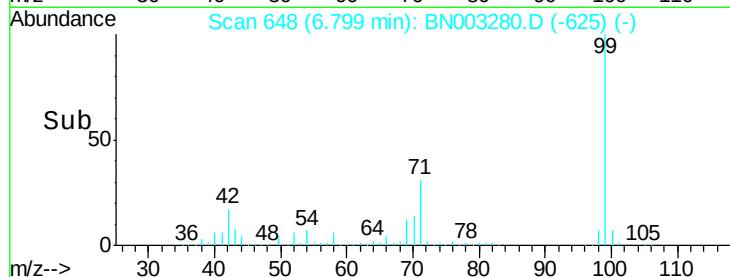
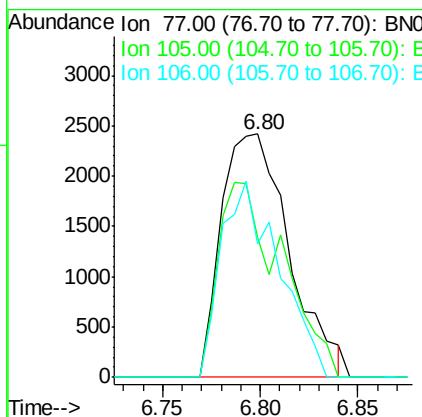
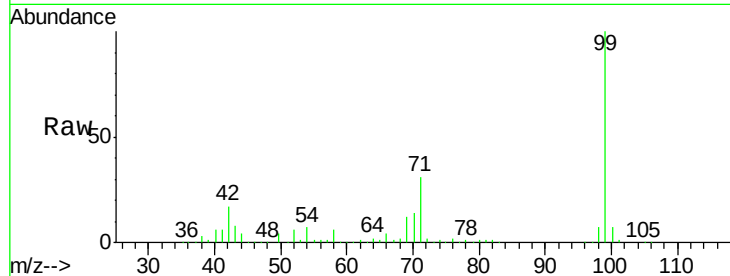
105 57.3 79.9 119.9#

106 54.9 78.4 118.4#

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#10

Phenol

Concen: 0.984 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

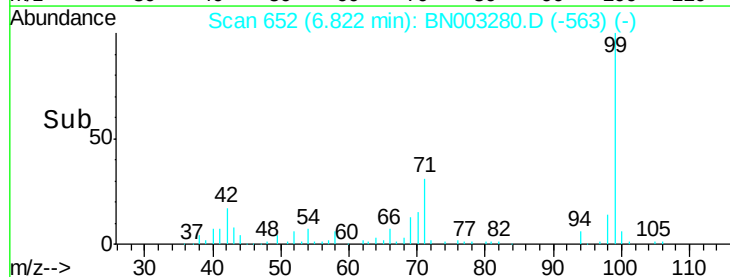
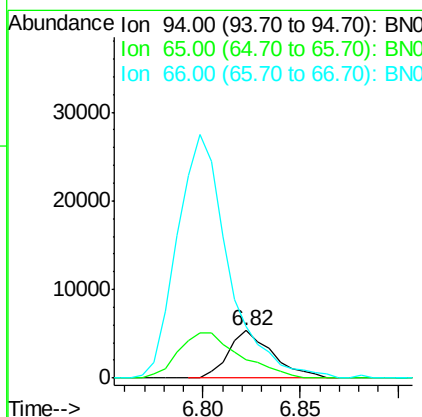
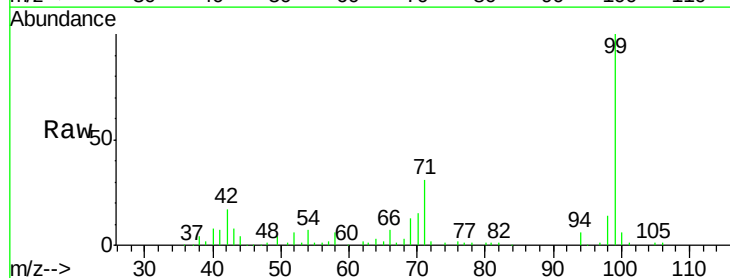
Tgt Ion: 94 Resp: 8366

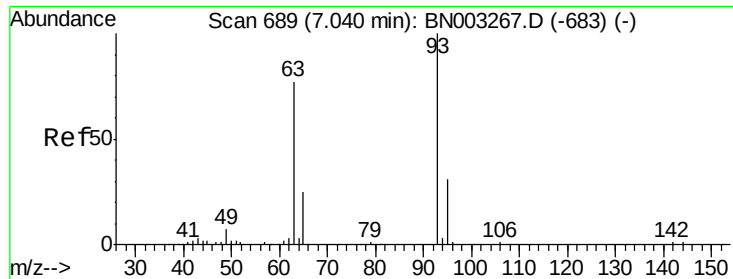
Ion Ratio Lower Upper

94 100

65 38.9 7.7 47.7

66 108.9 15.8 55.8#





#11
bis(2-Chloroethyl)ether
Concen: 0.900 ng
RT: 7.05 min Scan# 690
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

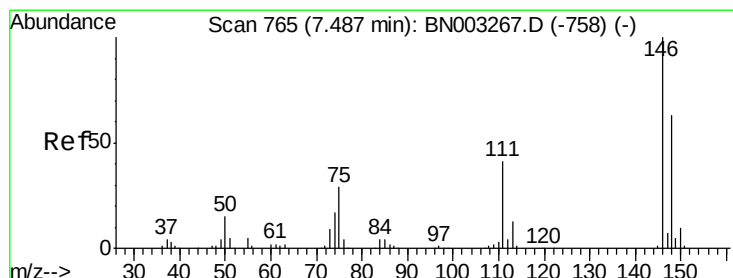
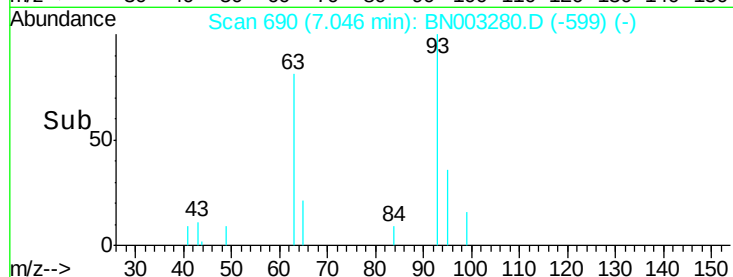
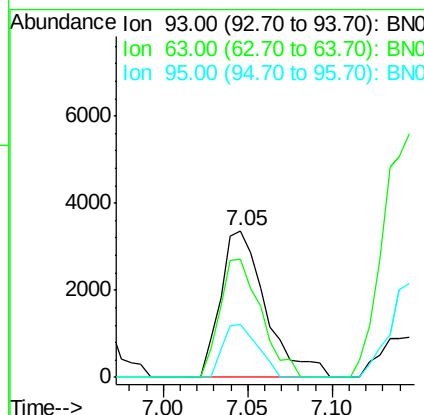
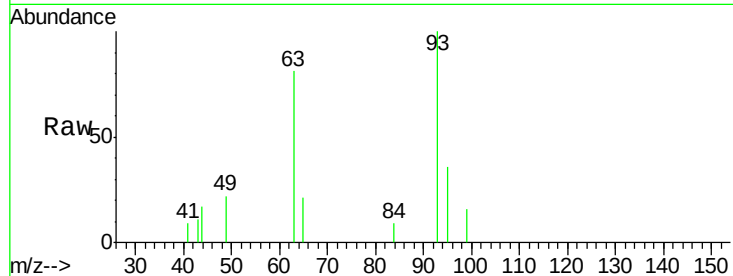
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
93	100		
63	80.9	56.6	96.6
95	36.1	10.9	50.9

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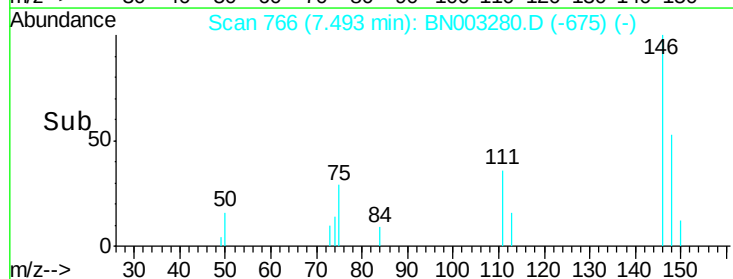
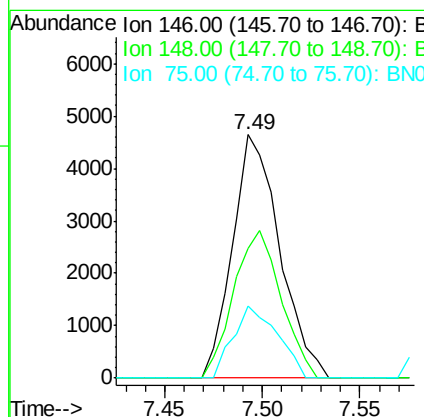
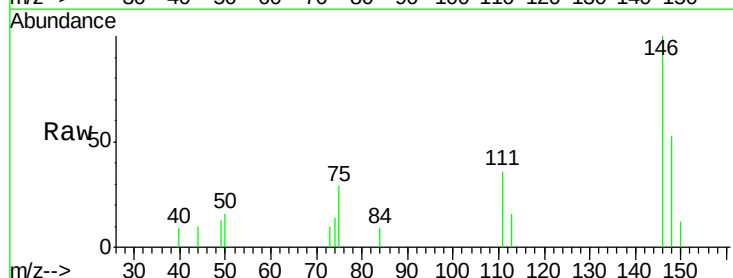
Sohil

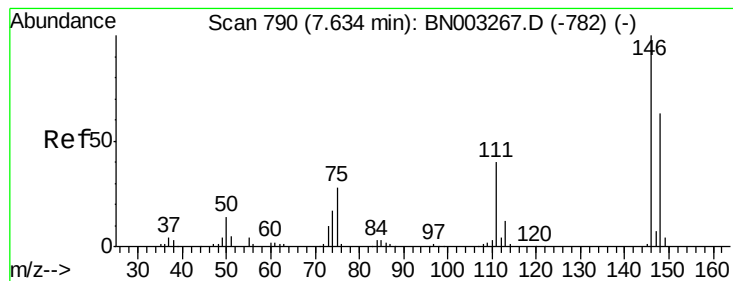
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#12
1,3-Dichlorobenzene
Concen: 1.002 ng
RT: 7.49 min Scan# 766
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	53.2	50.1	75.1
75	29.5	22.9	34.3





#13

1,4-Dichlorobenzene

Concen: 0.975 ng

RT: 7.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

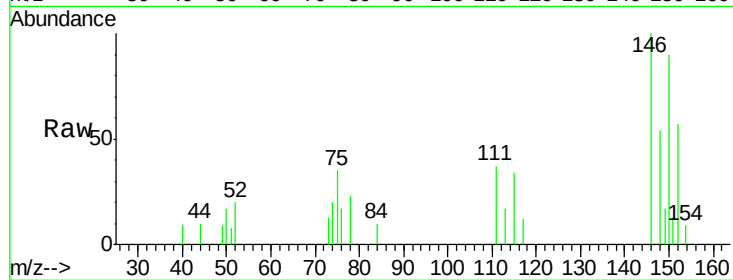
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	146	Resp:	7788
Ion Ratio	Lower	Upper	
146	100		
148	54.3	50.2	75.2
111	37.3	32.1	48.1

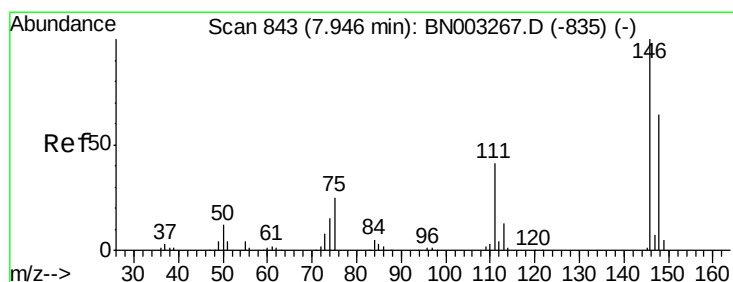
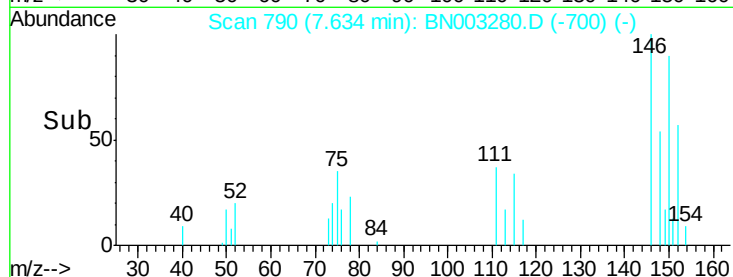
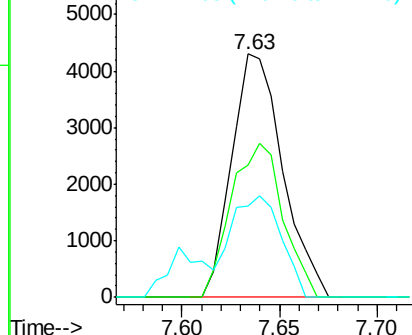
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.968 ng

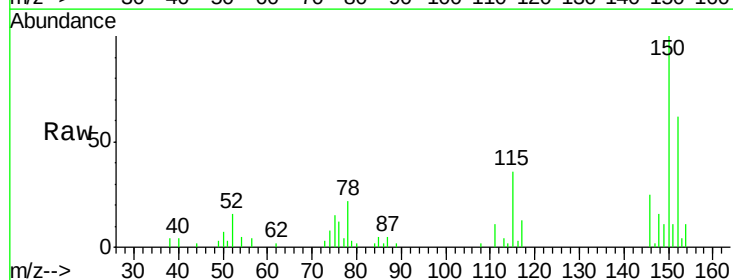
RT: 7.95 min Scan# 843

Delta R.T. -0.00 min

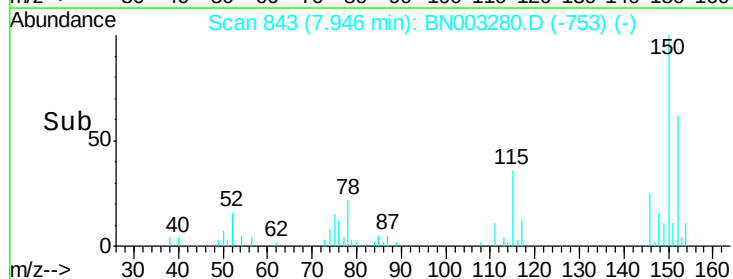
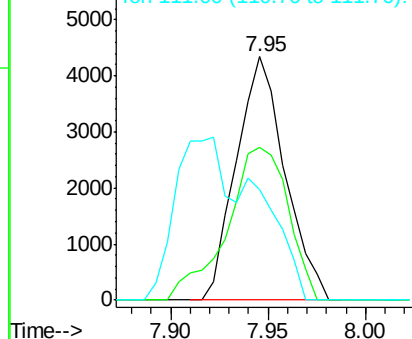
Lab File: BN003280.D

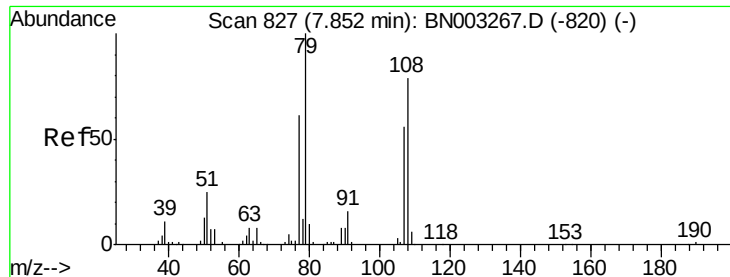
Acq: 24 Oct 2018 20:17

Tgt Ion:	146	Resp:	7500
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.4	77.2
111	45.3	33.1	49.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.367 ng

RT: 7.91 min Scan# 837

Delta R.T. 0.06 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 79 Resp: 13737
Ion Ratio Lower Upper

79 100

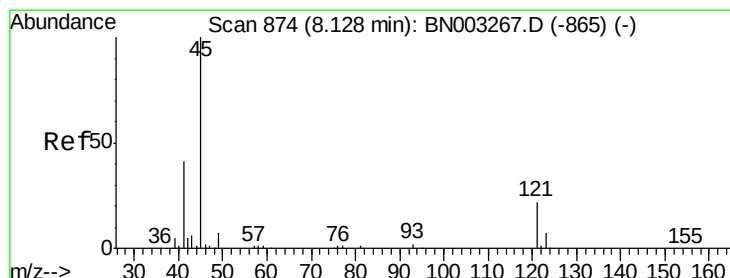
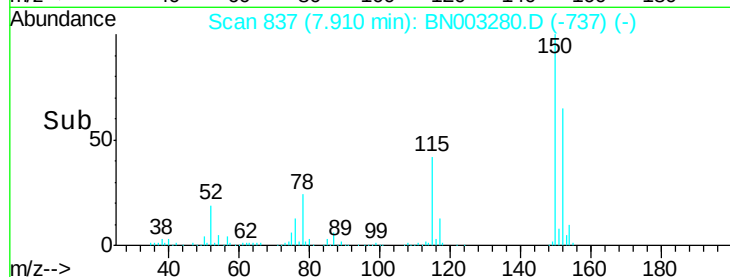
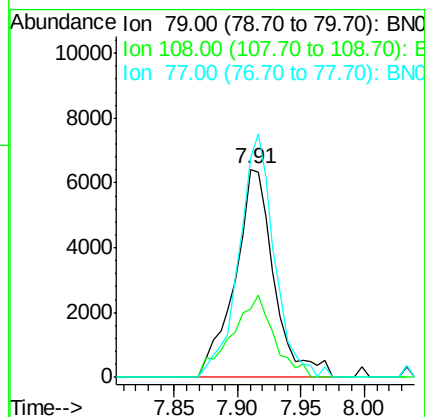
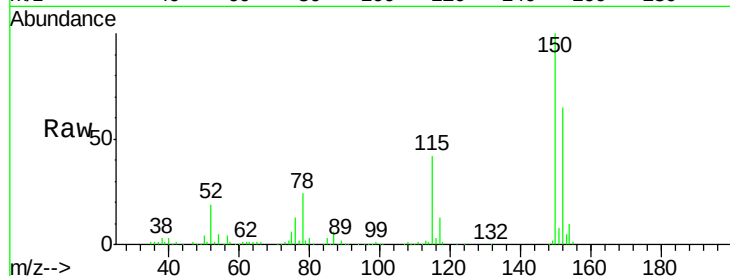
108 32.9 63.3 94.9#

77 105.5 49.0 73.6#

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 0.979 ng

RT: 8.13 min Scan# 875

Delta R.T. 0.01 min

Lab File: BN003280.D

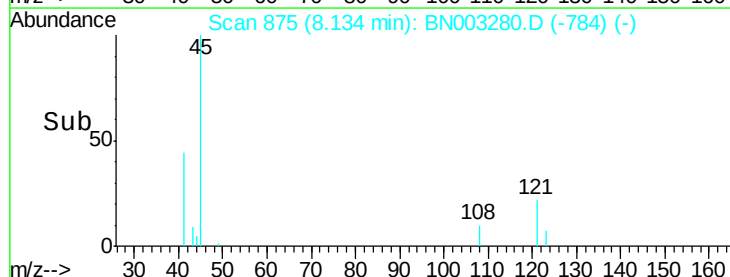
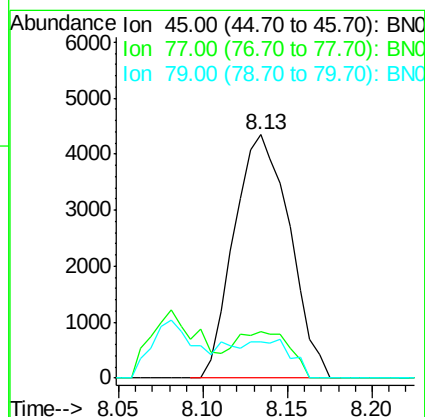
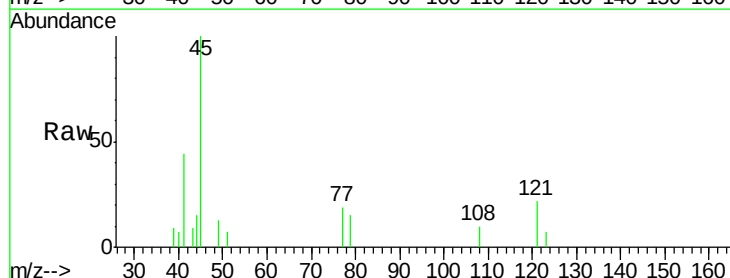
Acq: 24 Oct 2018 20:17

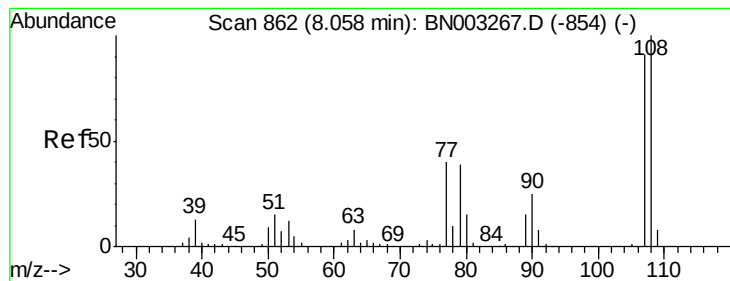
Tgt Ion: 45 Resp: 9968
Ion Ratio Lower Upper

45 100

77 19.1 0.0 34.0

79 15.1 0.0 30.9





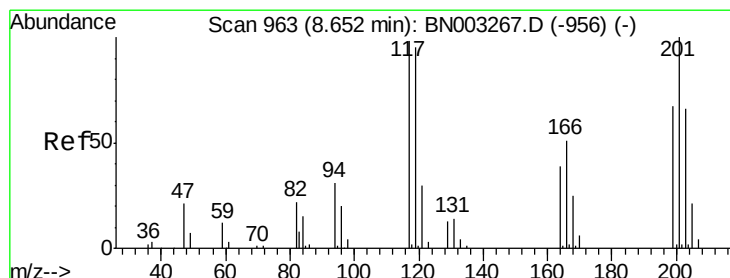
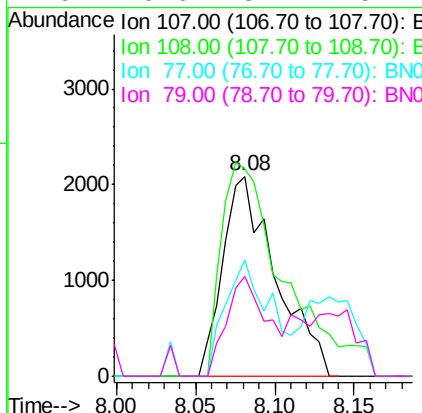
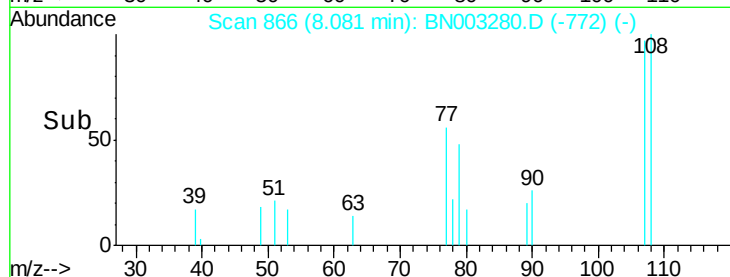
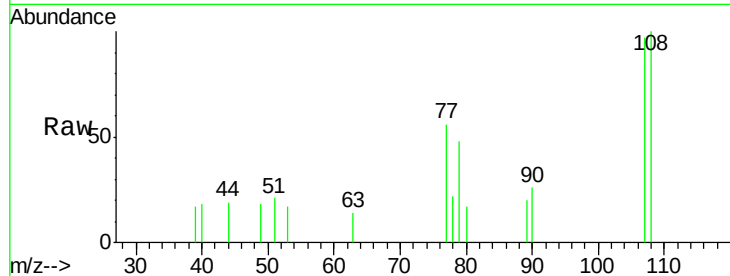
#17
2-Methylphenol
Concen: 0.836 ng
RT: 8.08 min Scan# 866
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	107	Resp:	4856
Ion	Ratio	Lower	Upper
107	100		
108	103.6	87.6	131.4
77	58.5	35.3	52.9#
79	49.6	34.2	51.4

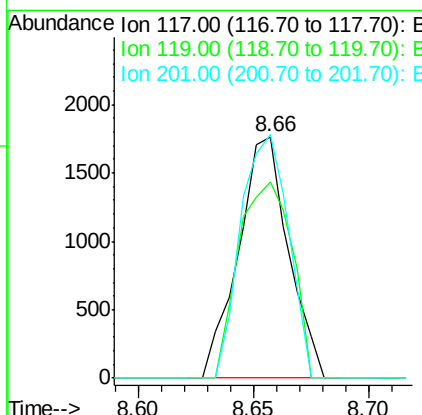
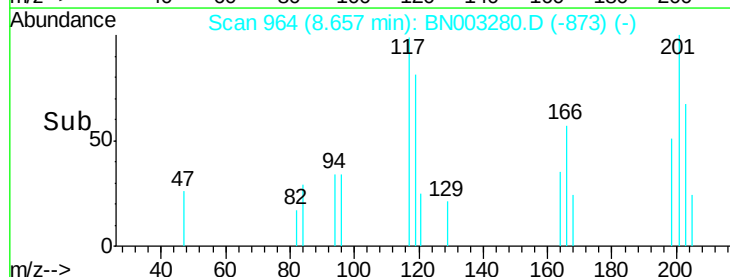
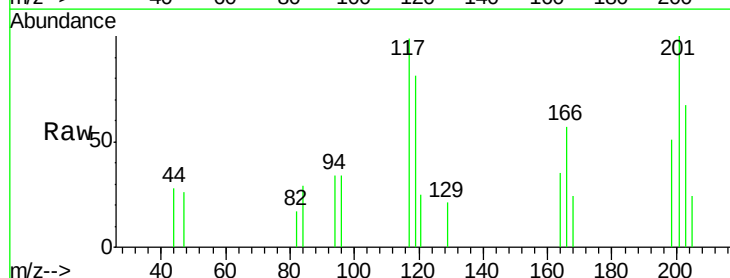
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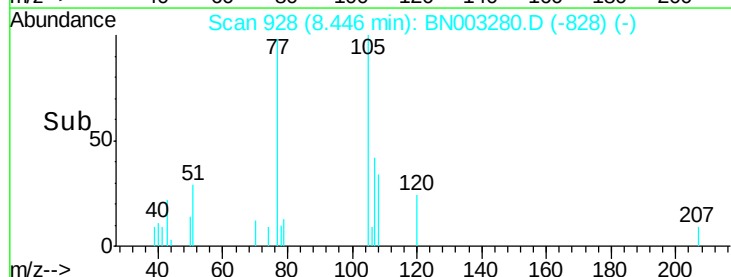
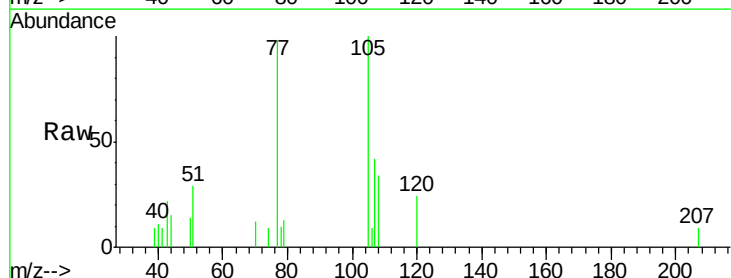
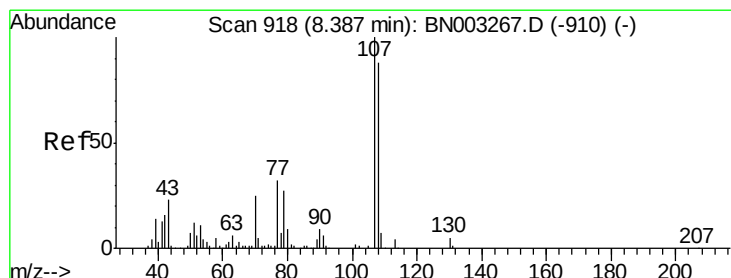
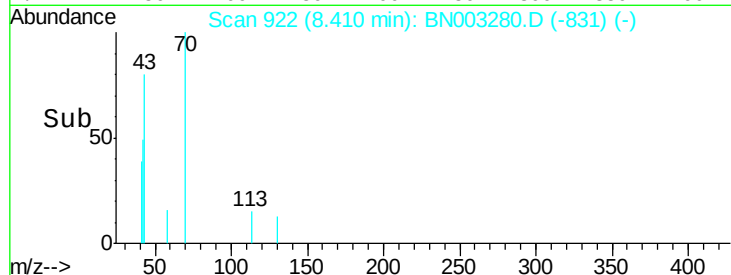
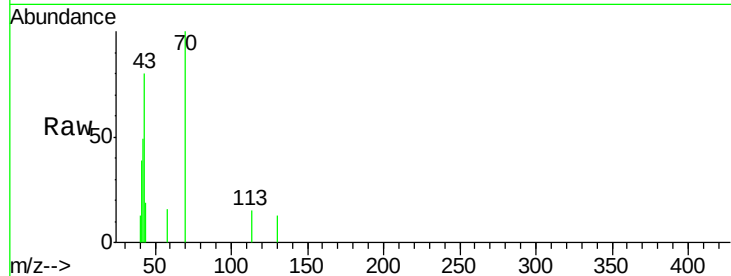
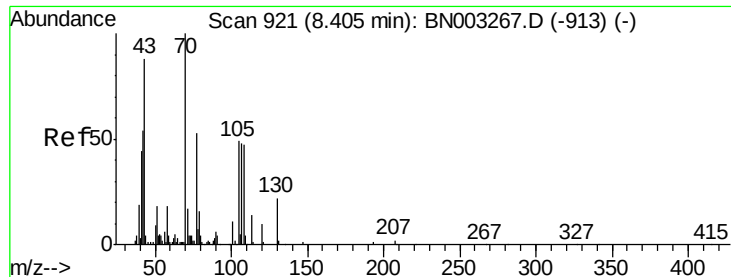
Sohil
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#18
Hexachloroethane
Concen: 0.954 ng
RT: 8.66 min Scan# 964
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

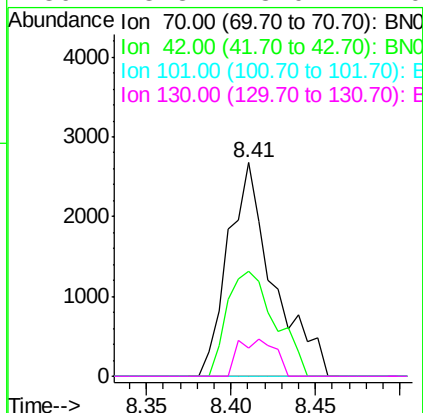
Tgt Ion:	117	Resp:	2669
Ion	Ratio	Lower	Upper
117	100		
119	81.4	77.8	116.6
201	100.8	81.4	122.2





#19
n-Nitroso-di-n-propylamine
Concen: 0.859 ng
RT: 8.41 min Scan# 922
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.2	43.5	65.3
101	0.0	8.6	12.8#
130	13.3	18.0	27.0#



Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

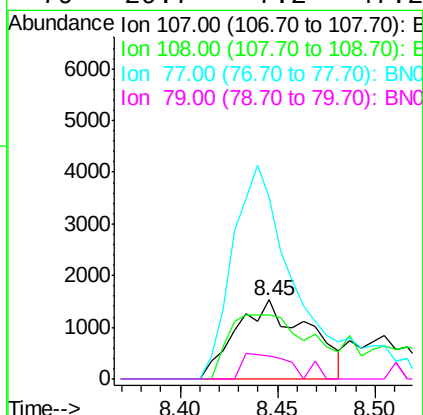
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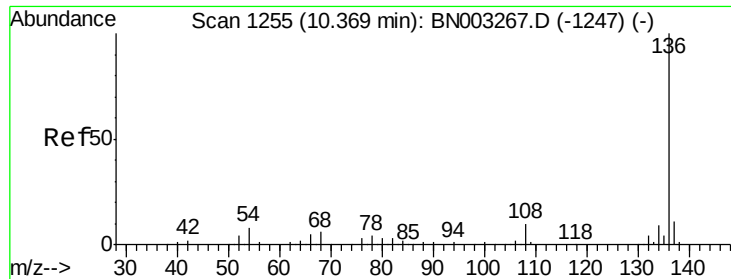
Sohil

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#20
3+4-Methylphenols
Concen: 0.476 ng
RT: 8.45 min Scan# 928
Delta R.T. 0.06 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.3	67.8	107.8
77	230.4	12.1	52.1#
79	29.7	7.2	47.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

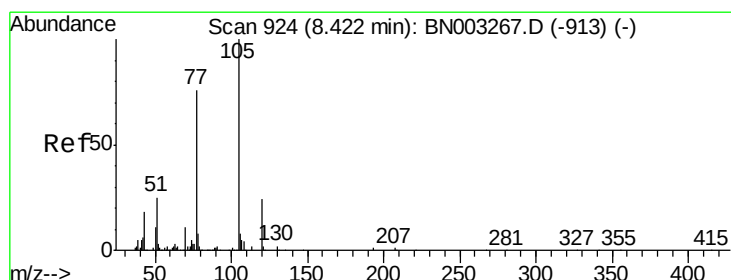
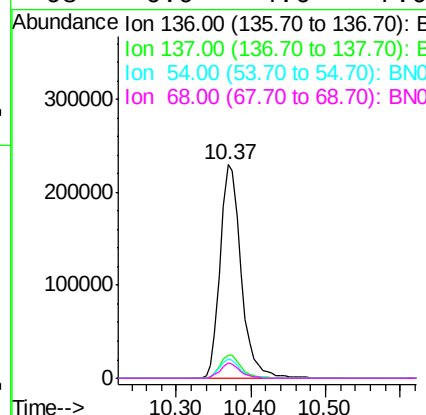
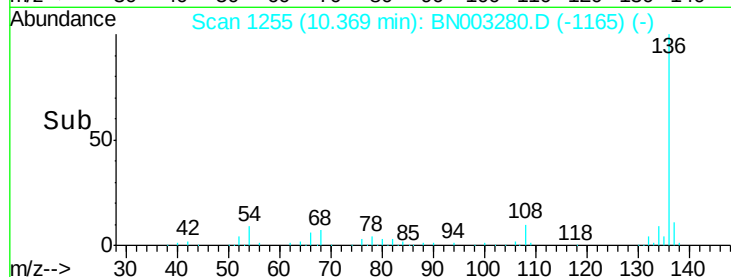
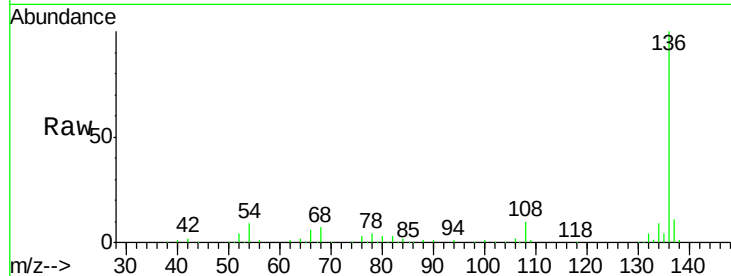
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	449396		
137	10.8	8.7	13.1	
54	8.7	6.6	10.0	
68	6.9	4.6	7.0	

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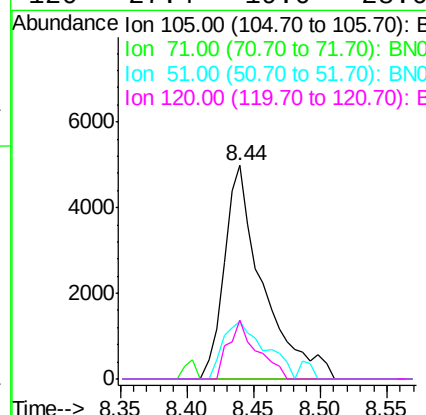
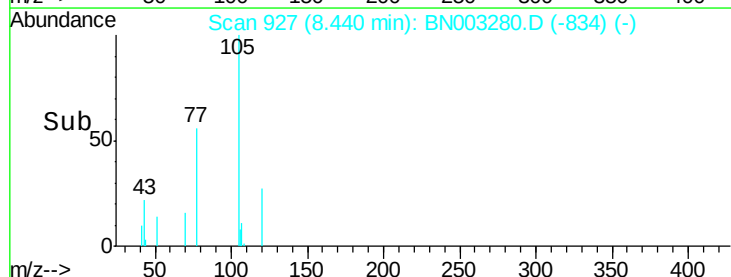
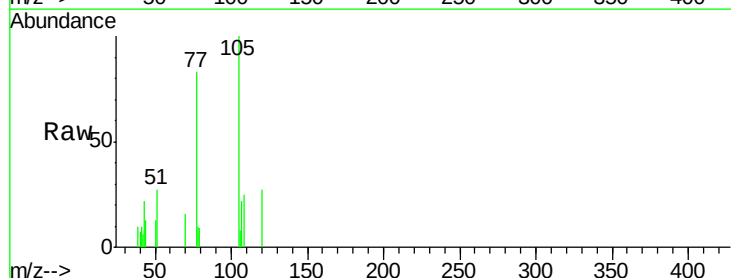
Sohil

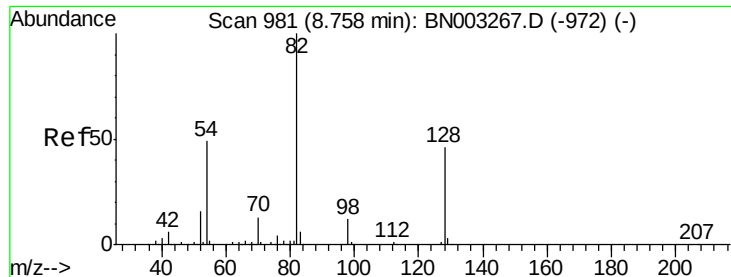
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#22
Acetophenone
Concen: 0.922 ng
RT: 8.44 min Scan# 927
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10048		
71	0.0	1.3	1.9#	
51	26.7	20.5	30.7	
120	27.4	19.0	28.6	





#23
 Nitrobenzene-d5
 Concen: 82.863 ng
 RT: 8.76 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

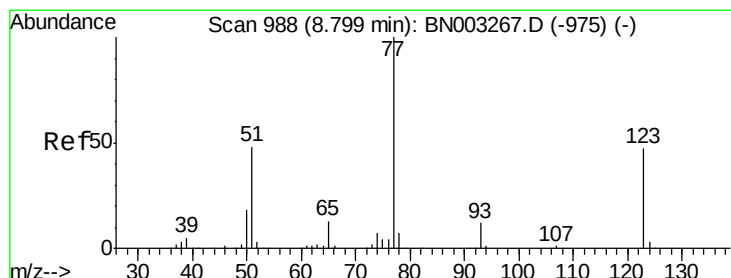
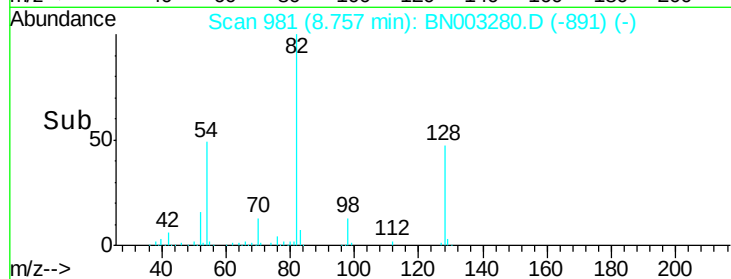
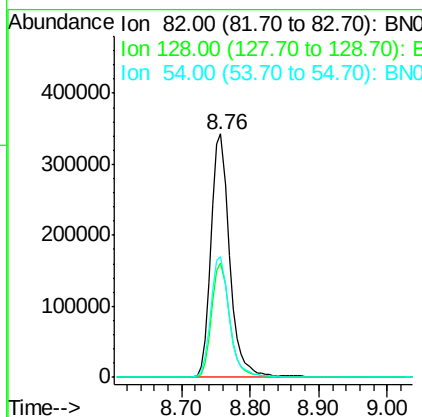
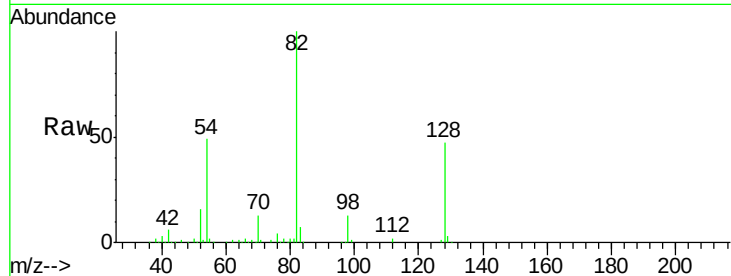
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.1	55.7
54	49.3	39.4	59.2

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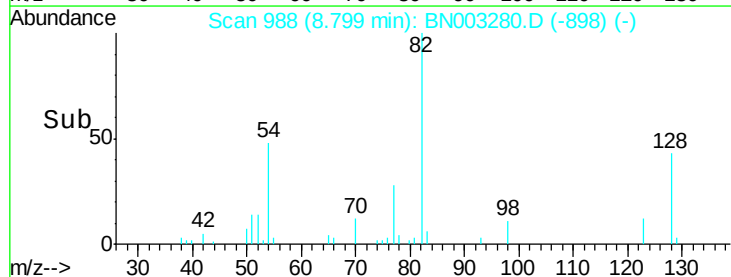
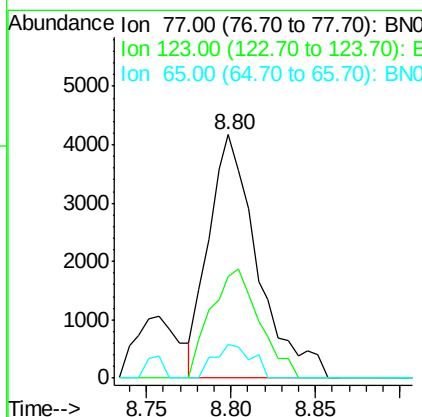
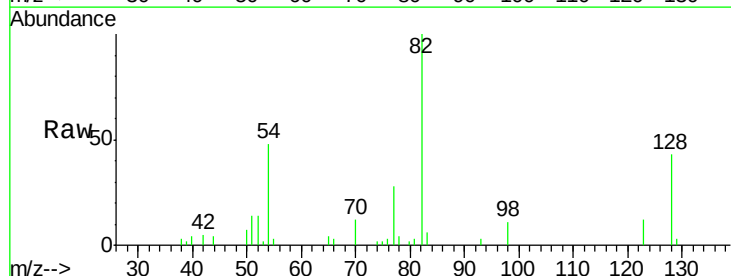
Sohil

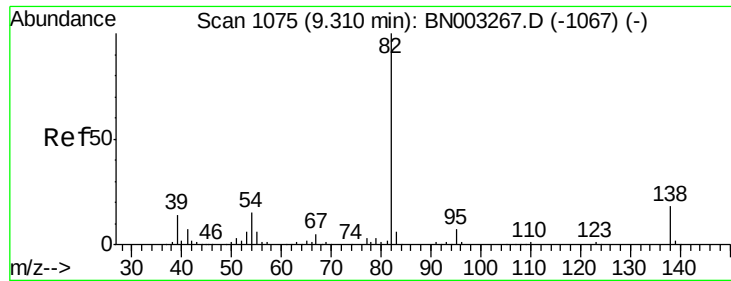
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#24
 Nitrobenzene
 Concen: 1.045 ng
 RT: 8.80 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	37.8	56.6
65	14.0	10.7	16.1





#25

Isophorone

Concen: 1.053 ng

RT: 9.33 min Scan# 1078

Delta R.T. 0.02 min

Lab File: BN003280.D

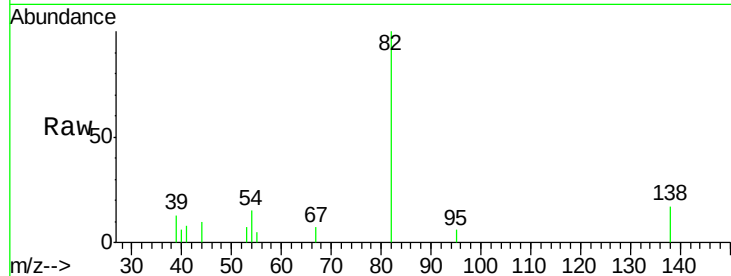
Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

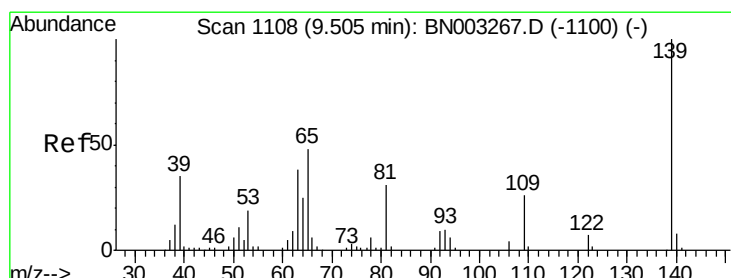
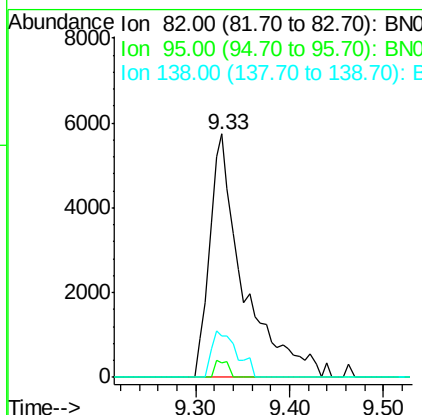
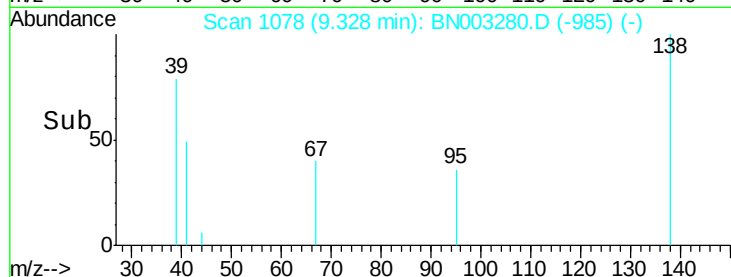


Tgt Ion:	82	Resp:	14476
Ion Ratio	Lower	Upper	
82	100		
95	6.1	5.4	8.0
138	17.0	14.5	21.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 0.513 ng

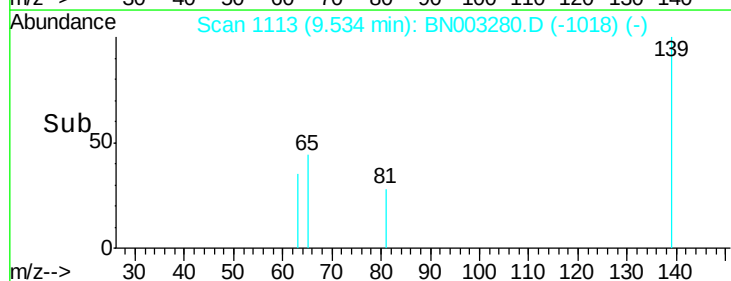
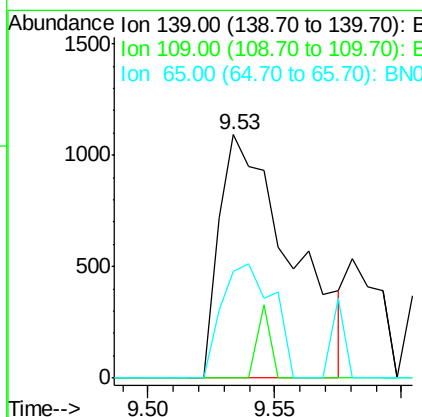
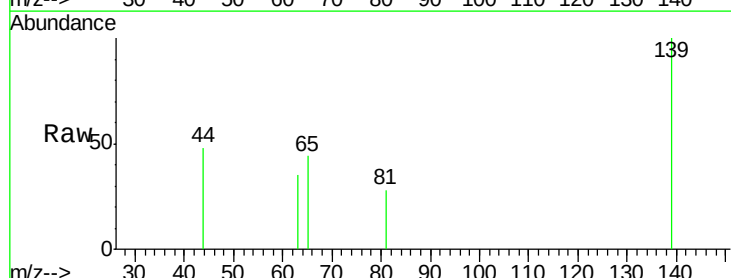
RT: 9.53 min Scan# 1113

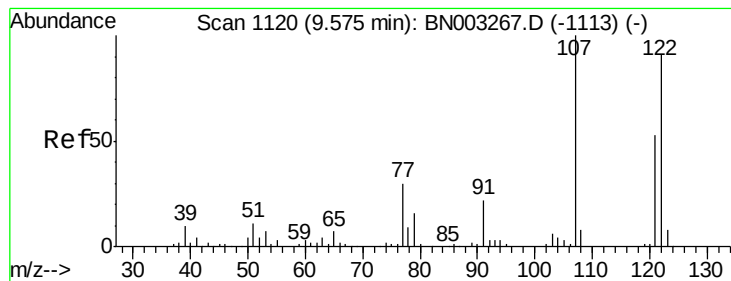
Delta R.T. 0.03 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Tgt Ion:	139	Resp:	2159
Ion Ratio	Lower	Upper	
139	100		
109	0.0	20.5	30.7#
65	43.9	38.4	57.6





#27
 2,4-Dimethylphenol
 Concen: 0.798 ng
 RT: 9.65 min Scan# 1132
 Delta R.T. 0.07 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

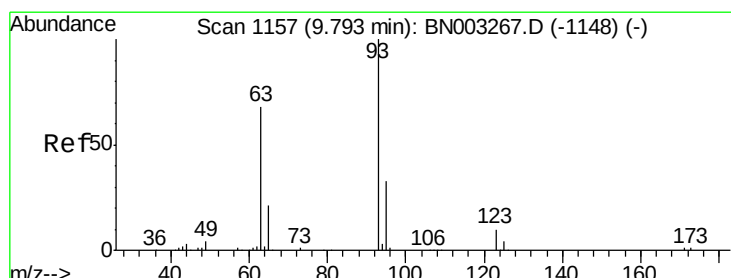
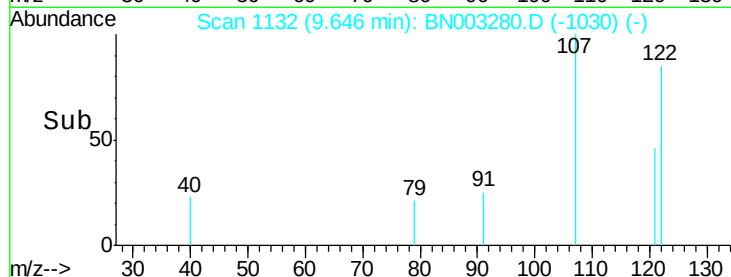
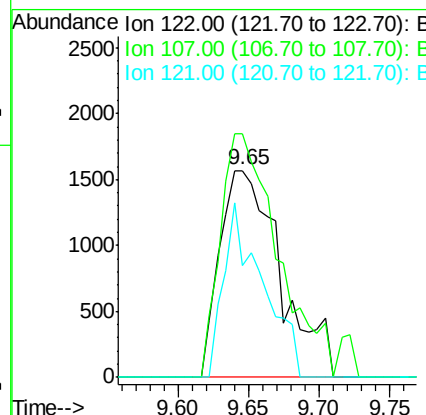
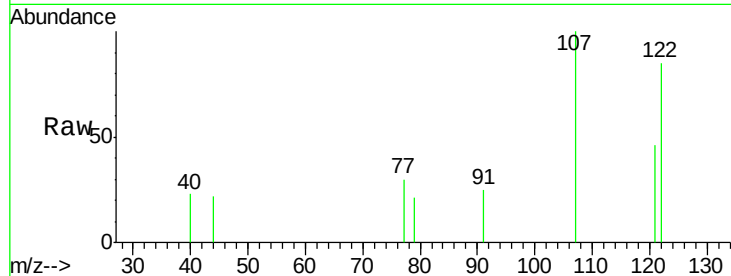
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.8	87.8	131.6
121	53.9	46.9	70.3

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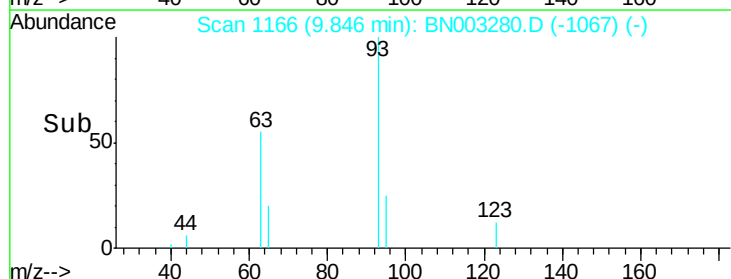
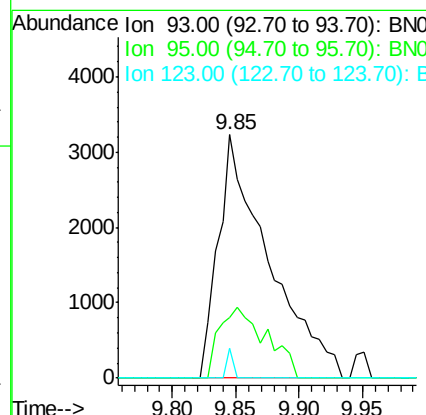
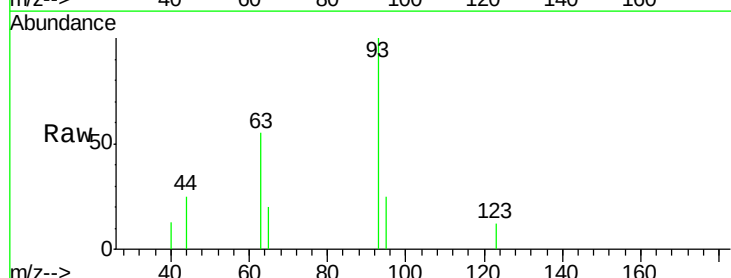
Sohil

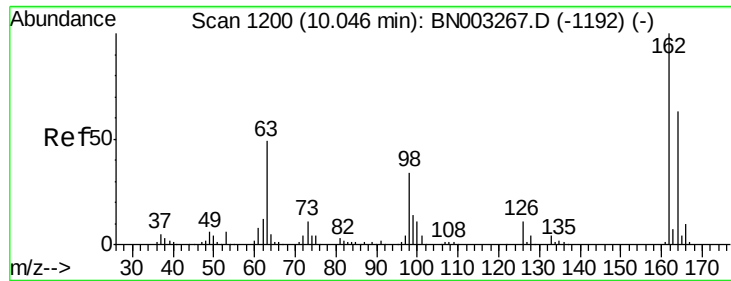
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#28
 bis(2-Chloroethoxy)methane
 Concen: 0.962 ng
 RT: 9.85 min Scan# 1166
 Delta R.T. 0.05 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	24.7	26.2	39.4#
123	12.4	9.1	13.7





#29
 2,4-Dichlorophenol
 Concen: 0.643 ng
 RT: 10.16 min Scan# 1219
 Delta R.T. 0.11 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

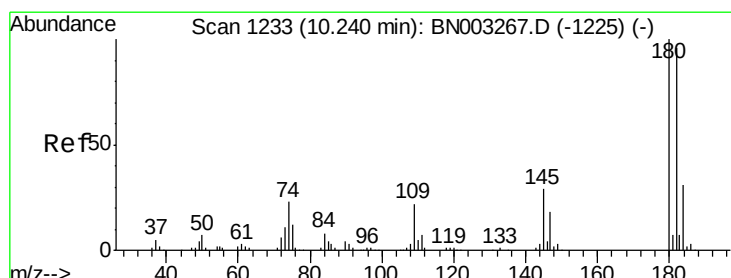
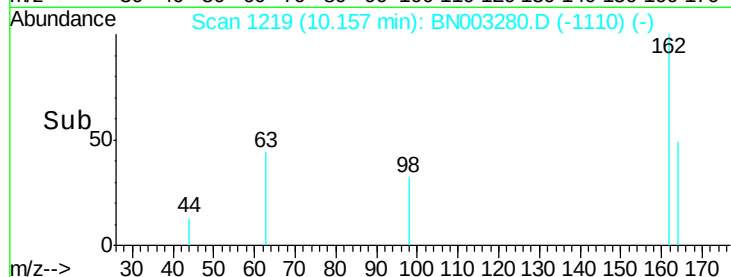
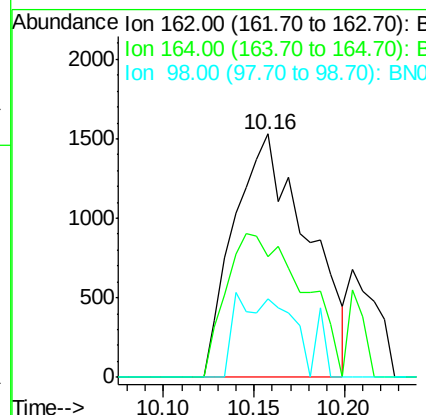
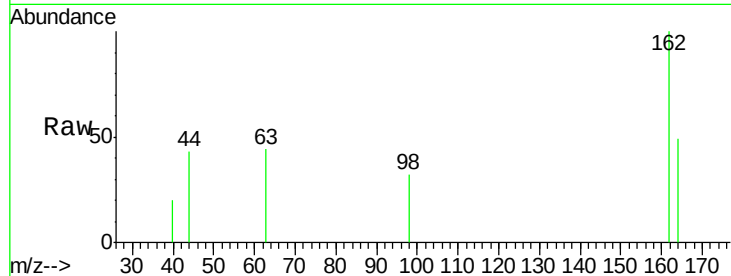
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	4345		
164	49.4		42.5	82.5
98	32.3		14.0	54.0

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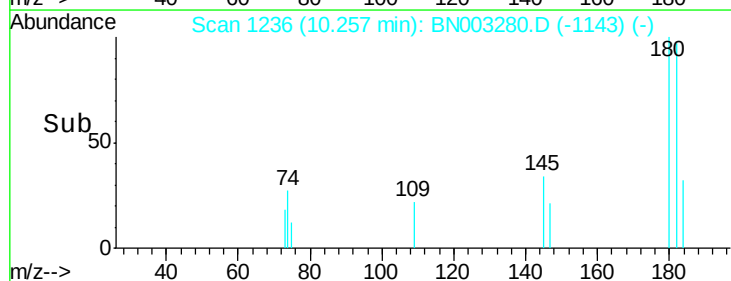
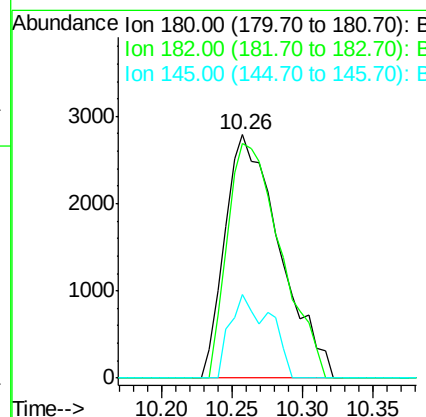
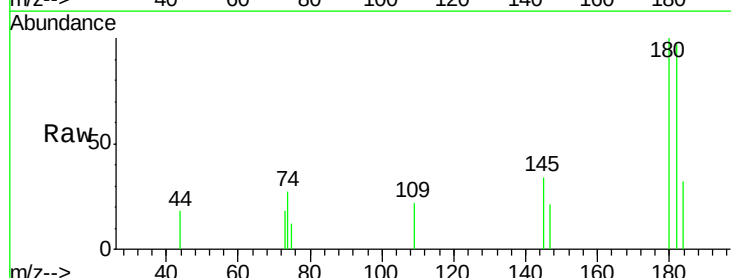
Sohil

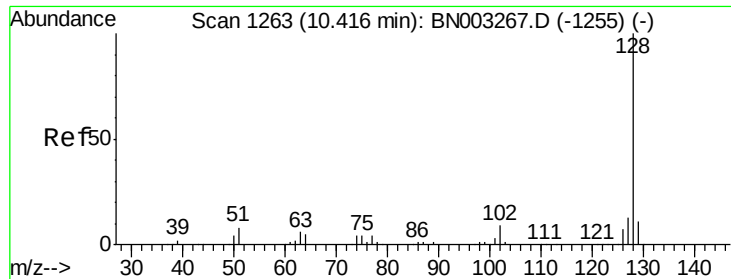
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#30
 1,2,4-Trichlorobenzene
 Concen: 0.984 ng
 RT: 10.26 min Scan# 1236
 Delta R.T. 0.02 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7555		
182	96.5		76.4	114.6
145	34.3		23.6	35.4





#31
Naphthalene
Concen: 1.096 ng
RT: 10.43 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

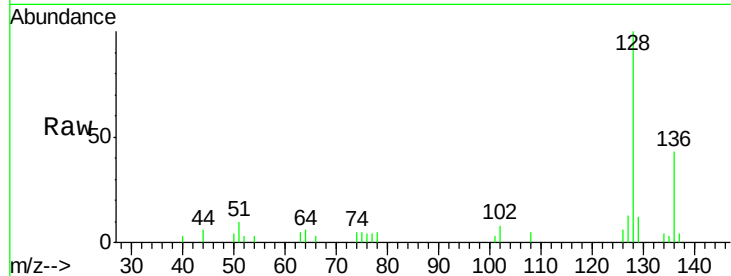
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.3	10.4	15.6

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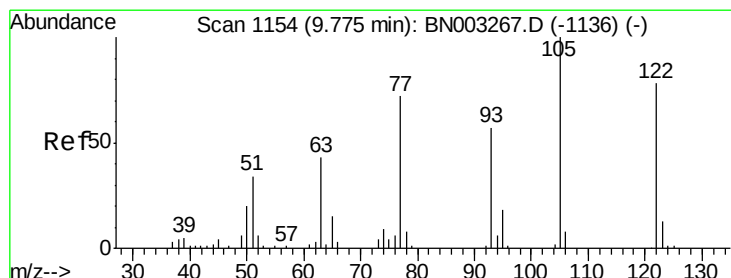
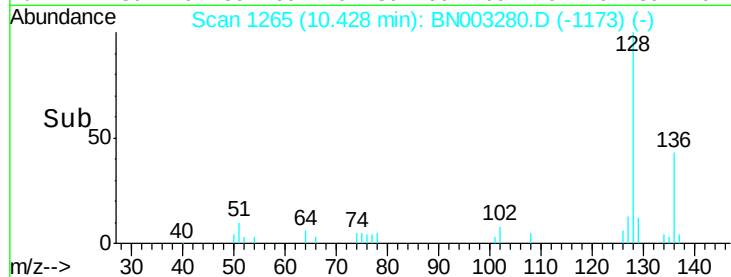
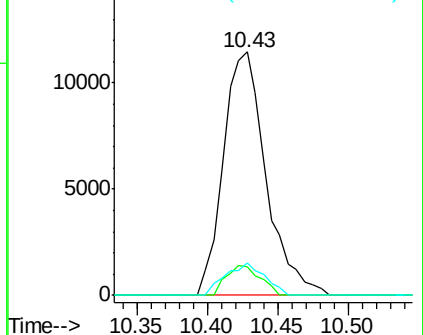


Abundance

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: 5.842 ng
RT: 9.65 min Scan# 1132
Delta R.T. -0.13 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

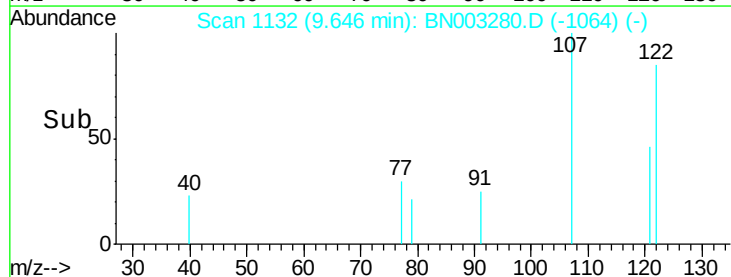
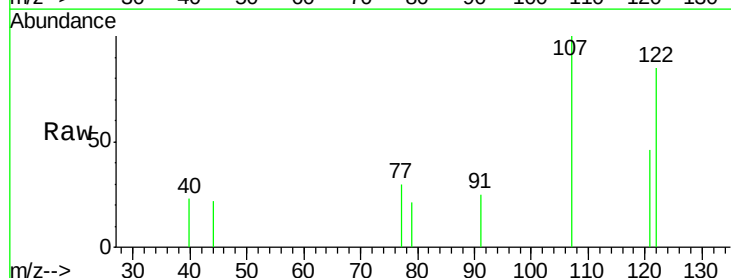
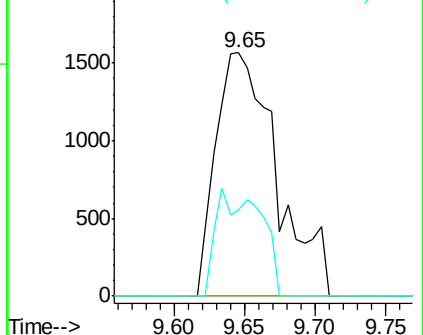
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.8	146.8#
77	35.2	71.9	111.9#

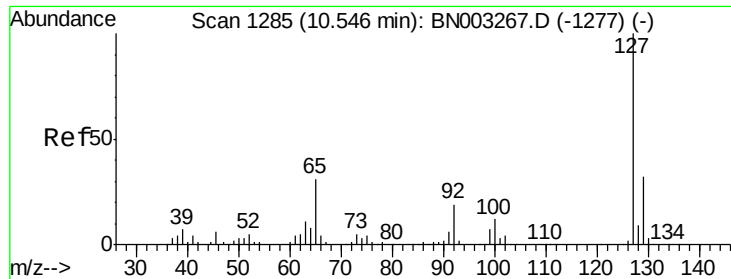
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC





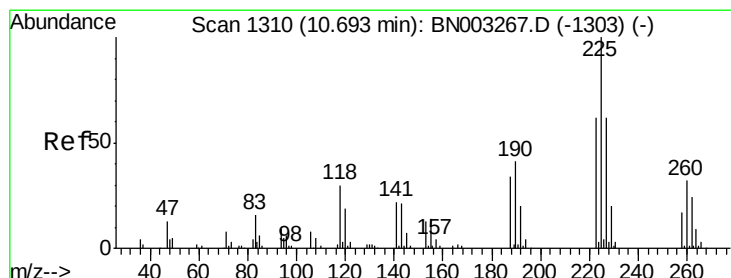
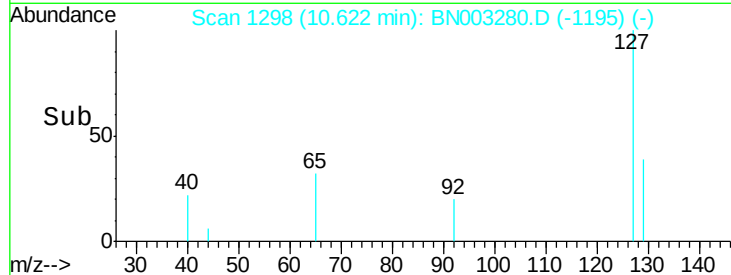
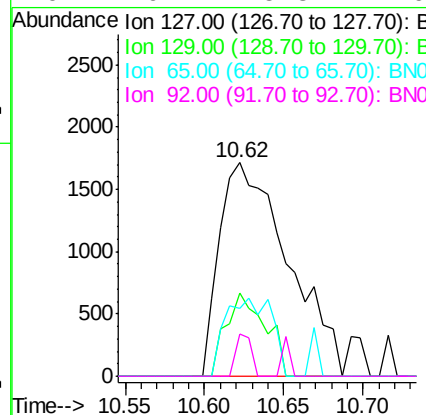
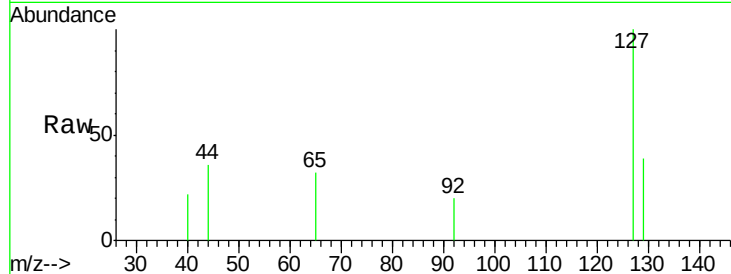
#33
 4-Chloroaniline
 Concen: 0.532 ng
 RT: 10.62 min Scan# 1298
 Delta R.T. 0.08 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	5164
Ion Ratio	Lower	Upper	
127	100		
129	39.0	25.8	38.6#
65	31.9	24.6	36.8
92	20.1	15.3	22.9

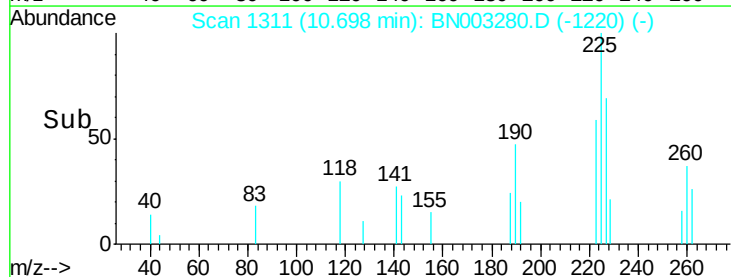
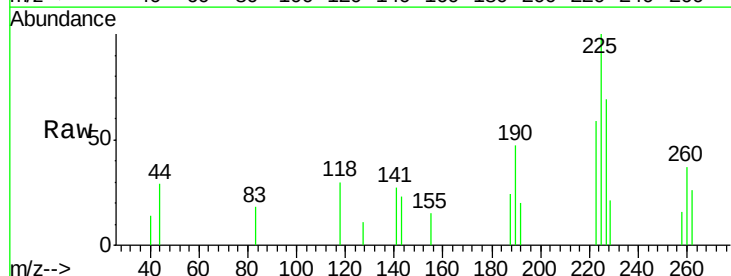
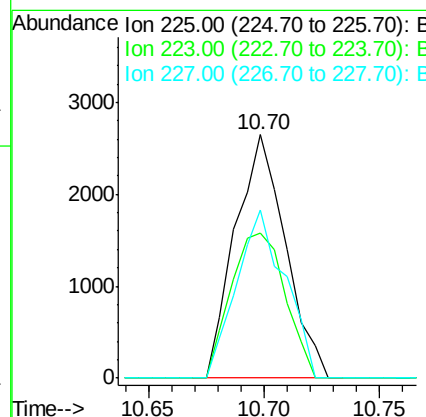
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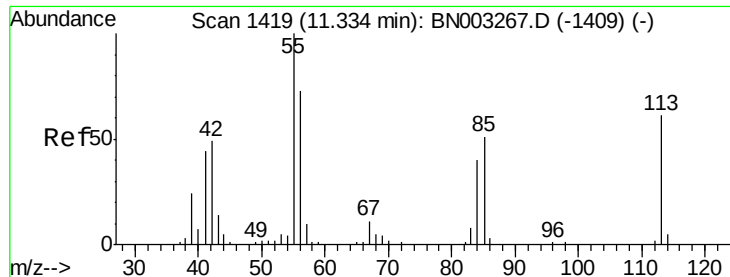
Sohil
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#34
 Hexachlorobutadiene
 Concen: 0.875 ng
 RT: 10.70 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion:	225	Resp:	4010
Ion Ratio	Lower	Upper	
225	100		
223	59.5	49.8	74.8
227	68.9	49.6	74.4





#35

Caprolactam

Concen: 0.203 ng

RT: 11.37 min Scan# 1426

Delta R.T. 0.04 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:113 Resp: 538

Ion Ratio Lower Upper

113 100

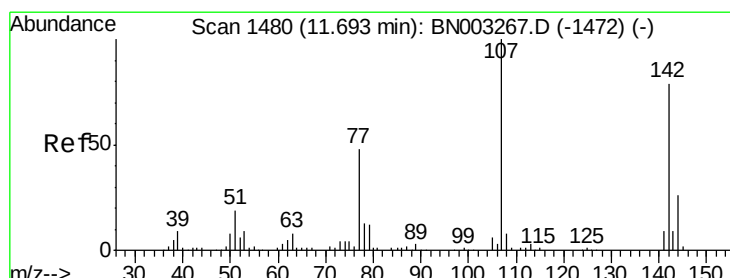
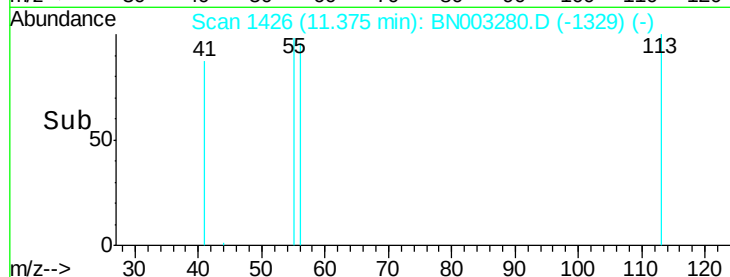
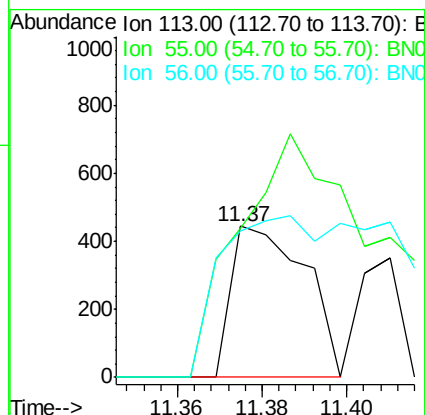
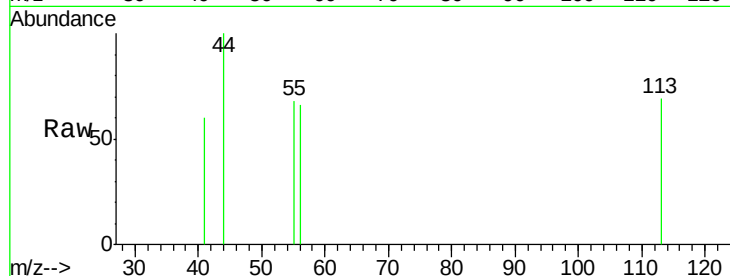
55 98.4 144.2 184.2#

56 96.4 100.6 140.6#

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#36

4-Chloro-3-methylphenol

Concen: 0.798 ng

RT: 11.76 min Scan# 1492

Delta R.T. 0.07 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

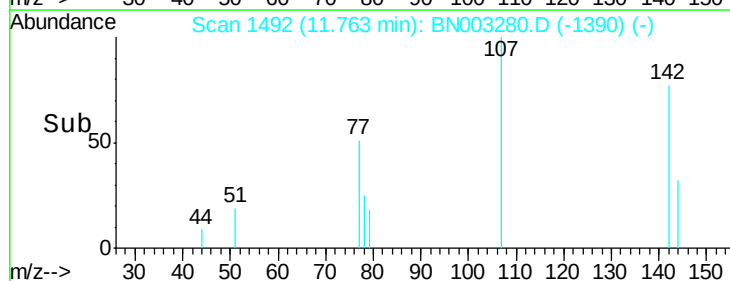
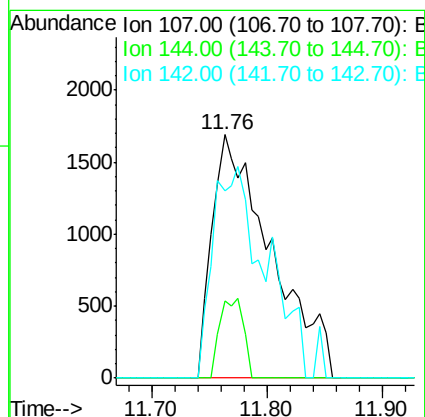
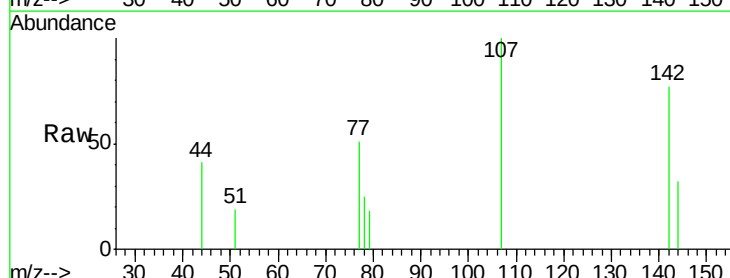
Tgt Ion:107 Resp: 6009

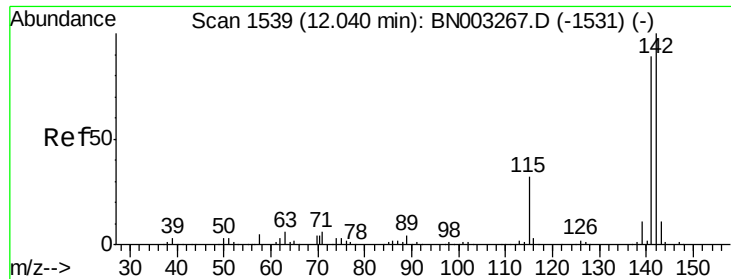
Ion Ratio Lower Upper

107 100

144 31.6 20.8 31.2#

142 76.8 63.5 95.3





#37
2-Methylnaphthalene
Concen: 1.119 ng
RT: 12.06 min Scan# 1543
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

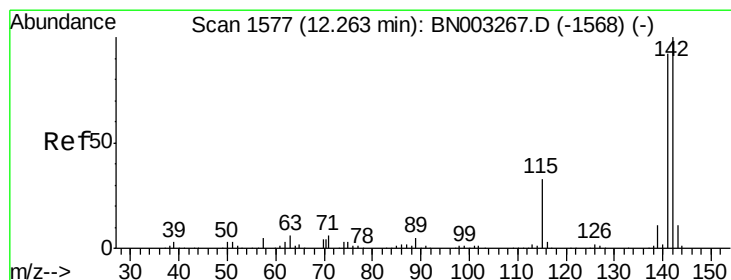
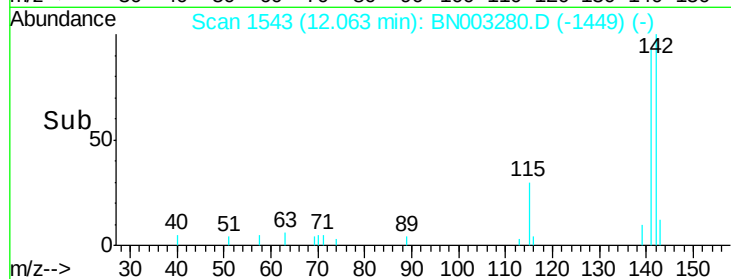
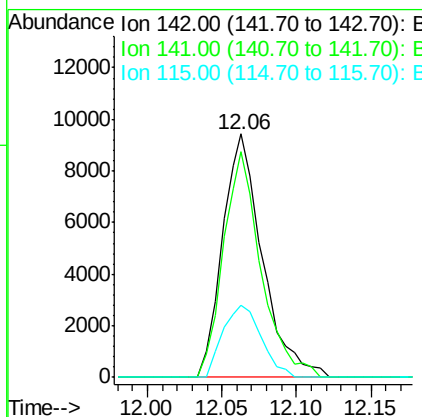
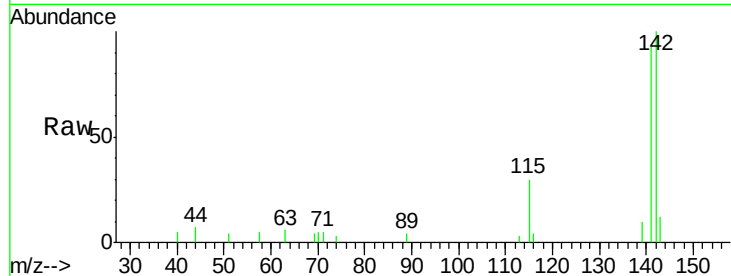
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	71.6	107.4
115	29.7	25.5	38.3

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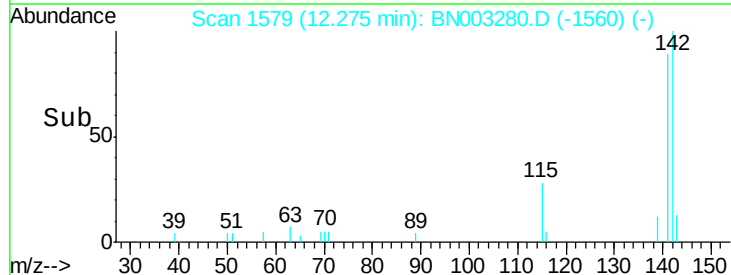
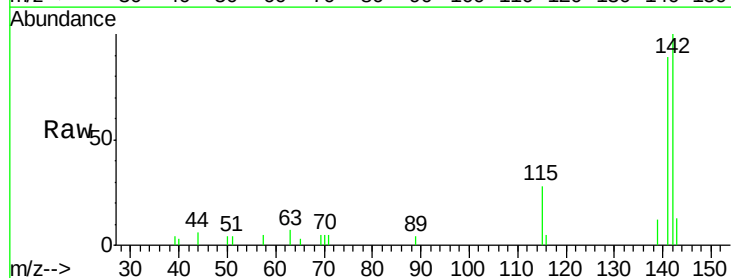
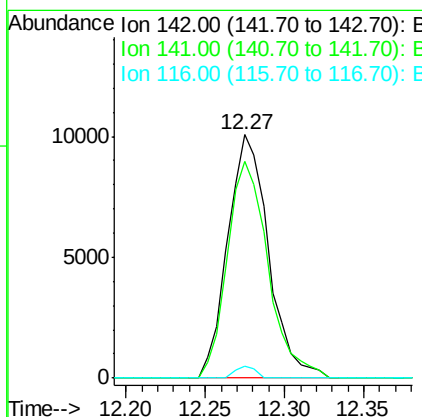
Sohil

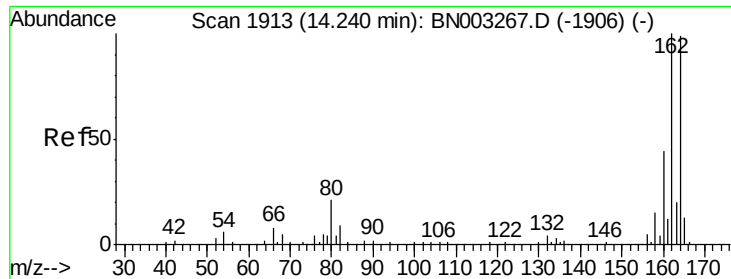
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#38
1-Methylnaphthalene
Concen: 1.170 ng
RT: 12.27 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.6	110.4
116	4.8	2.8	4.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BN003280.D

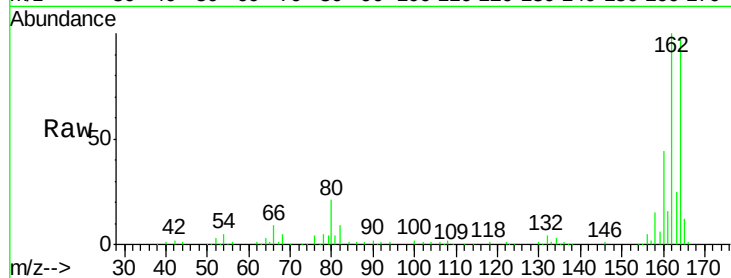
Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:164 Resp: 287946

Ion Ratio Lower Upper

164 100

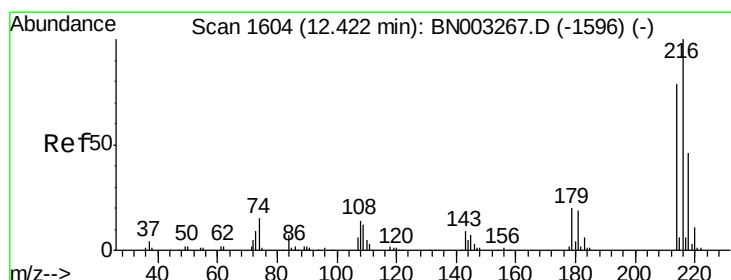
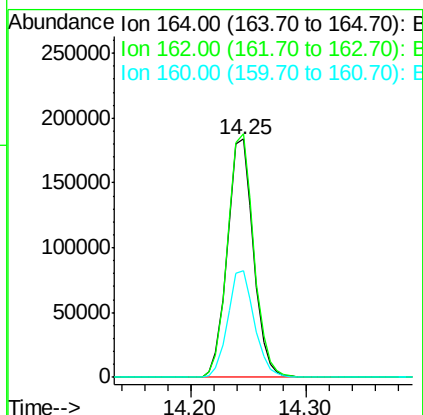
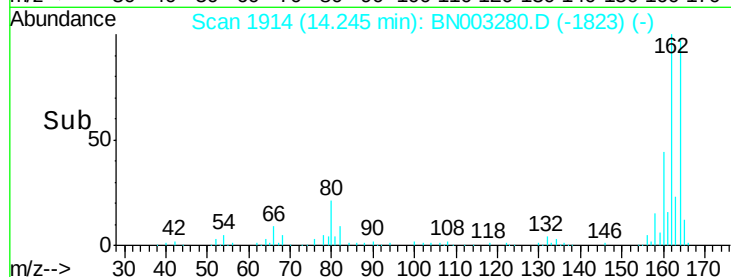
162 102.3 80.8 121.2

160 44.7 35.5 53.3

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.959 ng

RT: 12.43 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Tgt Ion:216 Resp: 9132

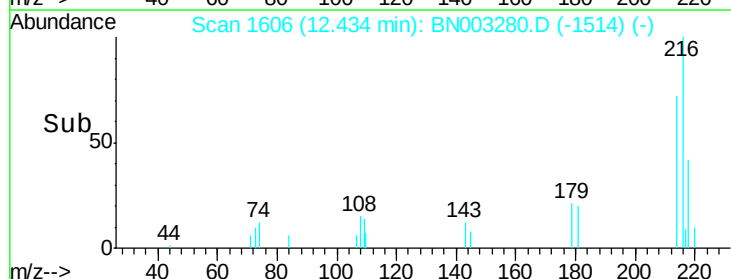
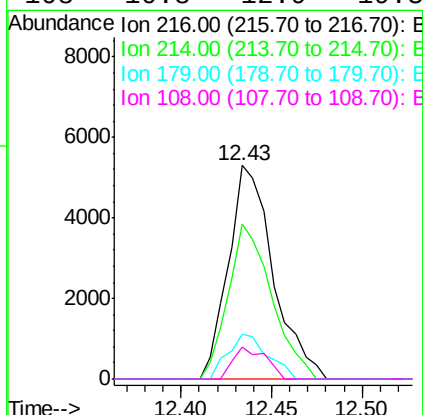
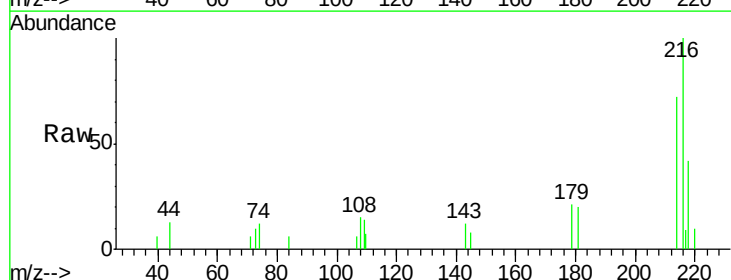
Ion Ratio Lower Upper

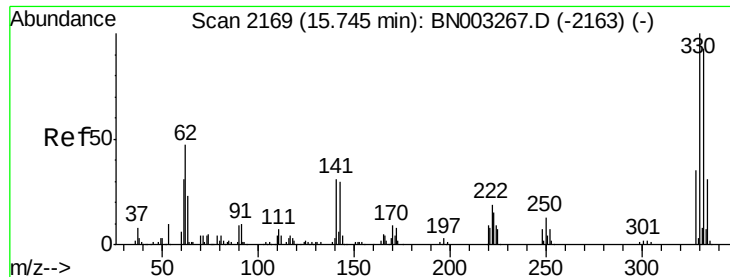
216 100

214 70.3 62.8 94.2

179 18.5 16.0 24.0

108 10.8 12.9 19.3#





#42

2,4,6-Tribromophenol

Concen: 141.008 ng

RT: 15.75 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

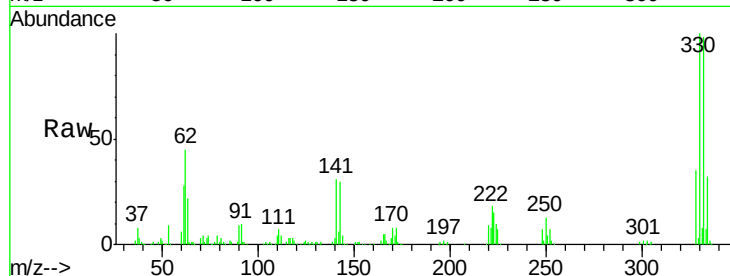
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	330	Resp:	546729
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	114.8
141	30.5	24.5	36.7

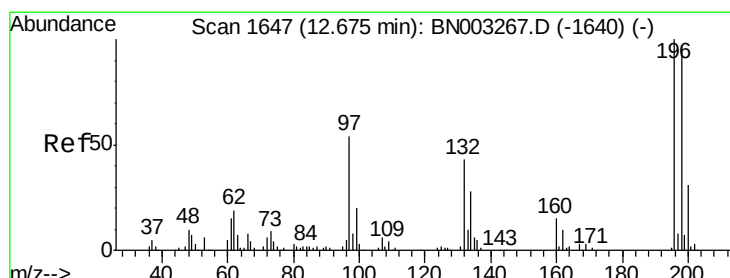
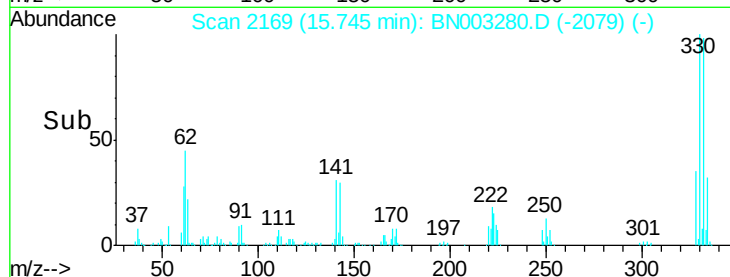
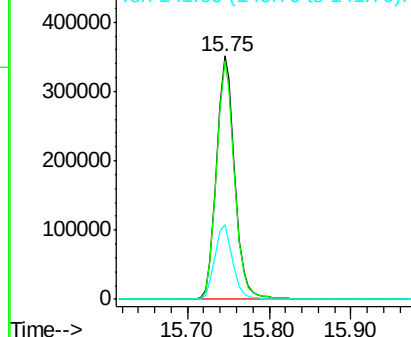
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#43

2,4,6-Trichlorophenol

Concen: 0.730 ng m

RT: 12.72 min Scan# 1655

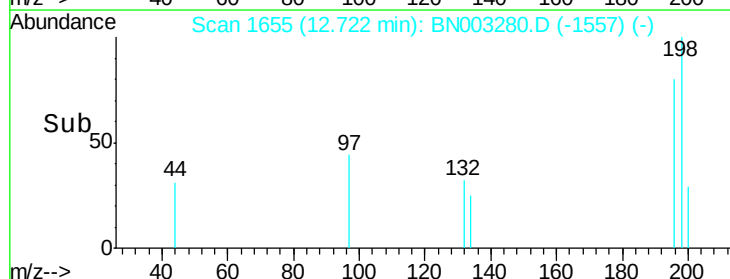
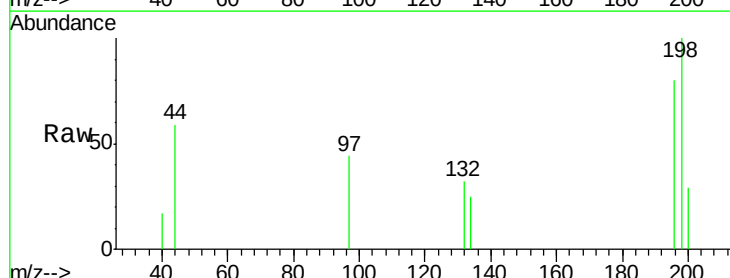
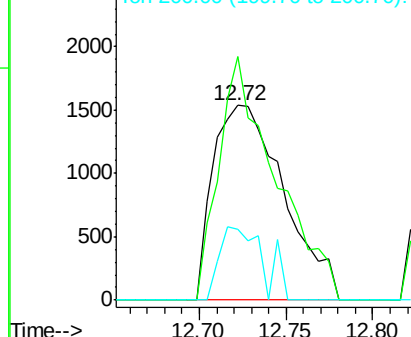
Delta R.T. 0.05 min

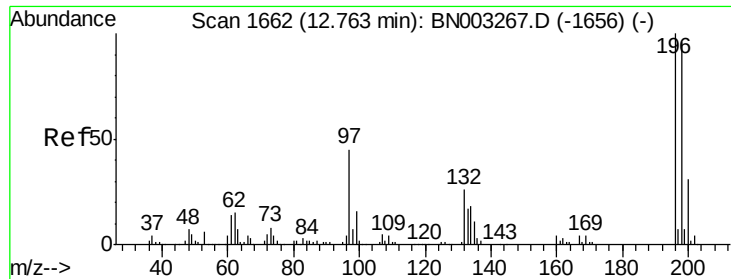
Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Tgt Ion:	196	Resp:	4394
Ion Ratio	Lower	Upper	
196	100		
198	125.2	77.4	116.0#
200	36.2	25.0	37.6

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





#44
 2,4,5-Trichlorophenol
 Concen: 0.700 ng
 RT: 12.72 min Scan# 1655
 Delta R.T. -0.04 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

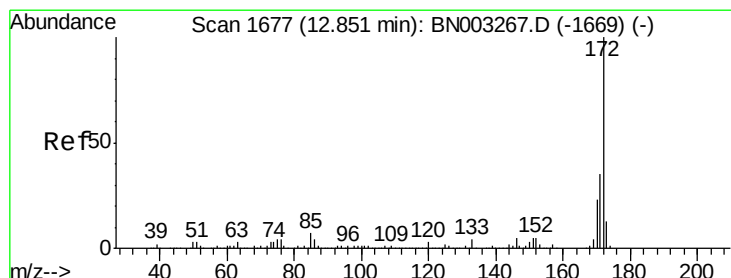
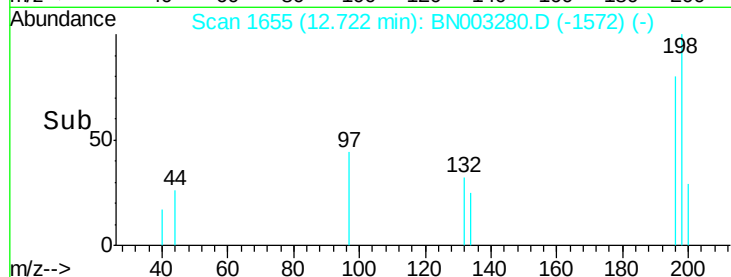
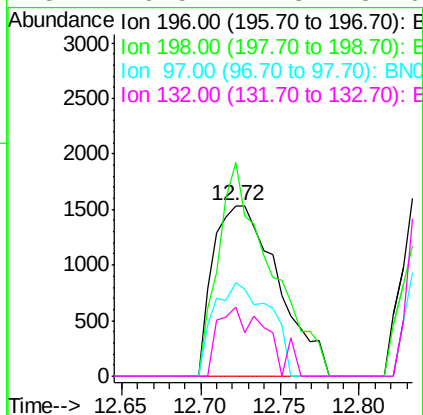
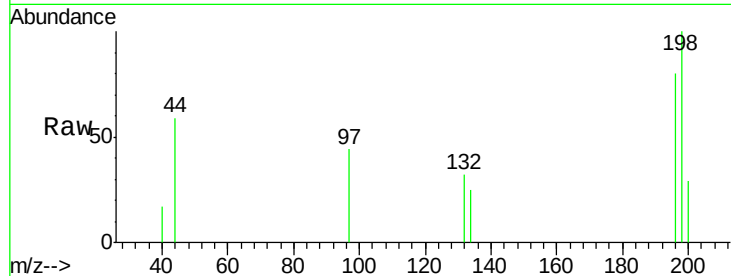
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
196	100		
198	125.2	76.8	115.2#
97	54.9	35.8	53.8#
132	40.5	21.3	31.9#

Manual Integrations
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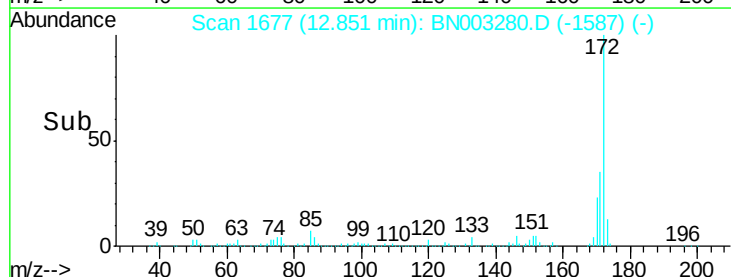
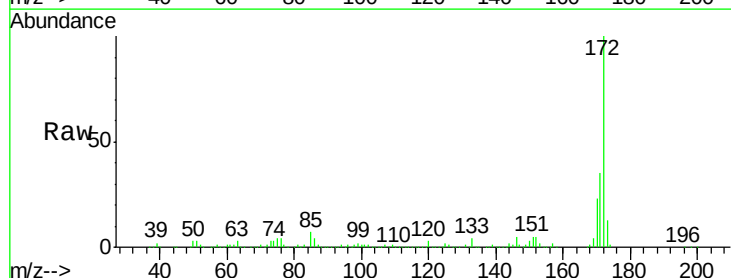
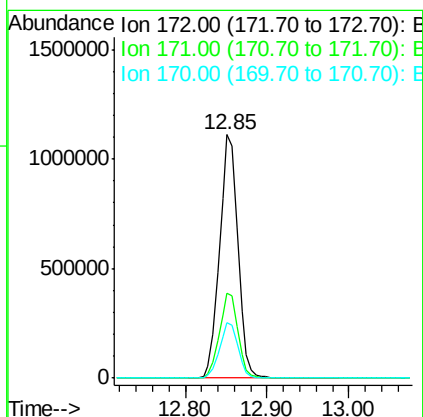
Sohil

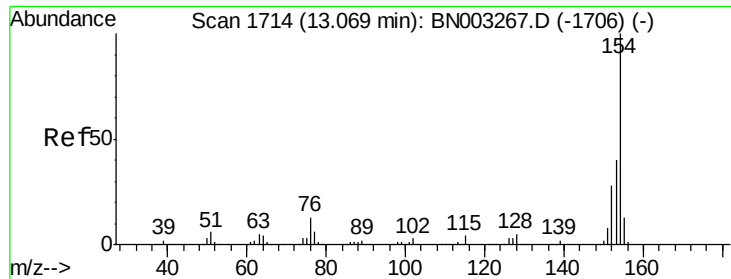
10/25/2018 3:20:14 PM



#45
 2-Fluorobiphenyl
 Concen: 81.908 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	22.7	18.4	27.6





#46
 1,1'-Biphenyl
 Concen: 1.038 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

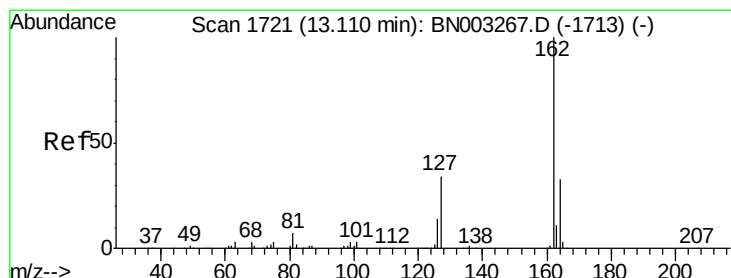
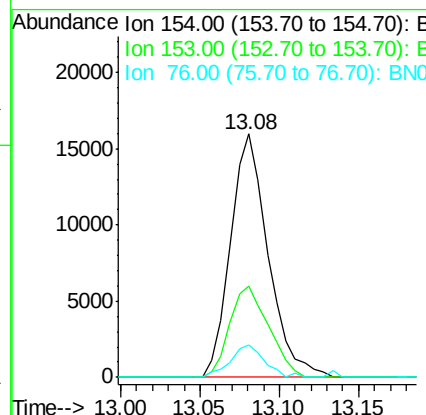
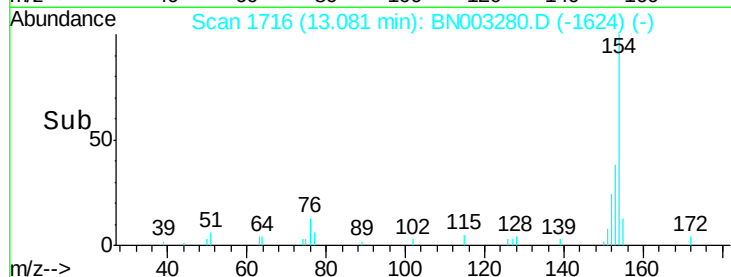
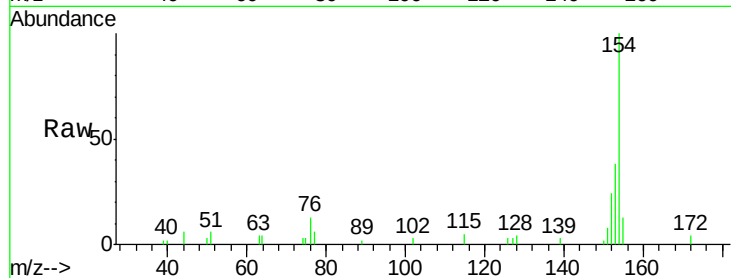
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	154	Resp:	26227
Ion Ratio	Lower	Upper	
154	100		
153	37.7	20.5	60.5
76	13.2	0.0	33.3

Manual Integrations
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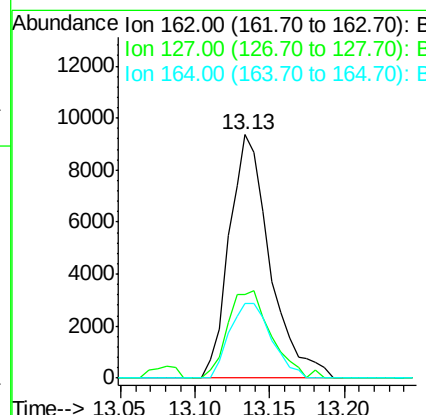
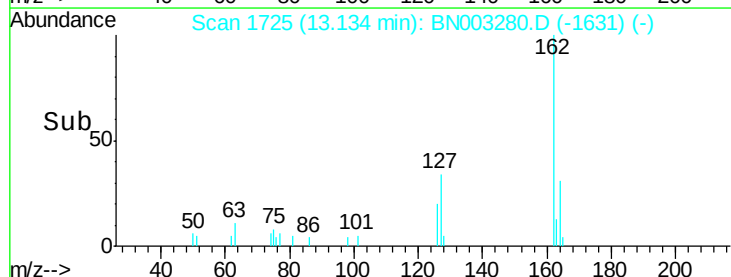
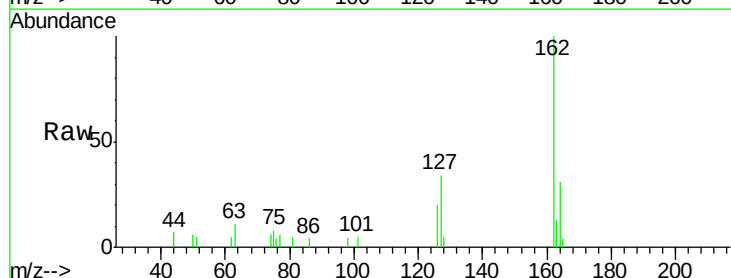
Sohil

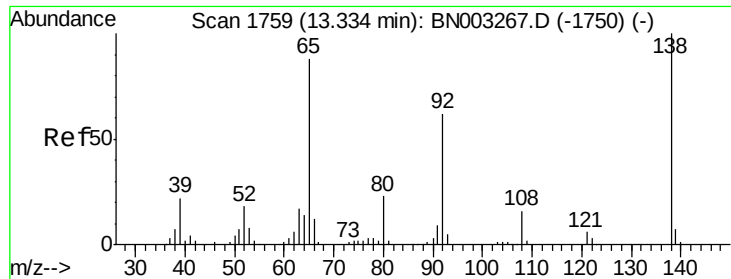
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#47
 2-Chloronaphthalene
 Concen: 0.952 ng
 RT: 13.13 min Scan# 1725
 Delta R.T. 0.02 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion:	162	Resp:	17750
Ion Ratio	Lower	Upper	
162	100		
127	34.3	29.8	44.6
164	30.8	26.3	39.5





#48
 2-Nitroaniline
 Concen: 0.660 ng
 RT: 13.39 min Scan# 1768
 Delta R.T. 0.05 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

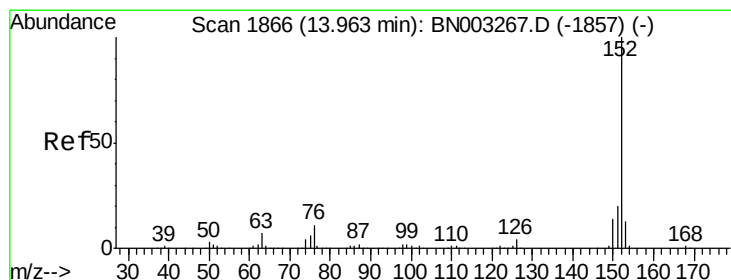
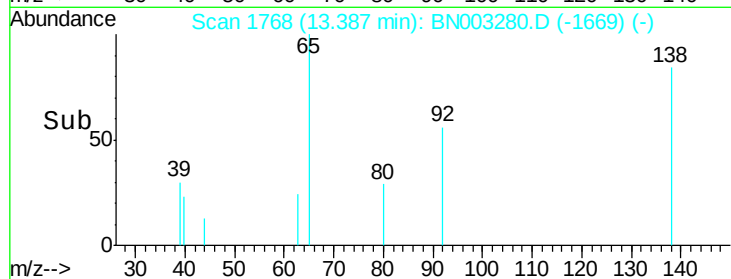
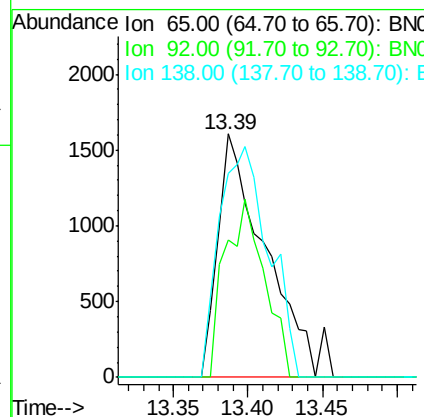
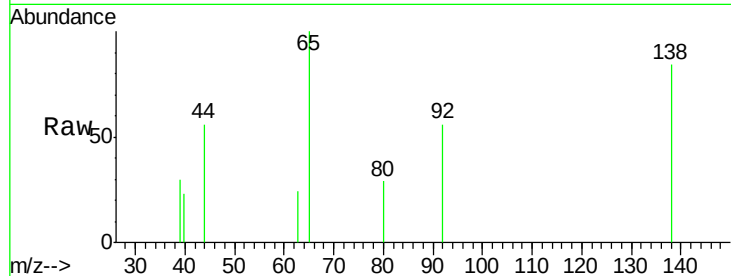
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 65 Resp: 3617
 Ion Ratio Lower Upper
 65 100
 92 56.3 56.1 84.1
 138 83.8 90.6 136.0#

Manual Integrations
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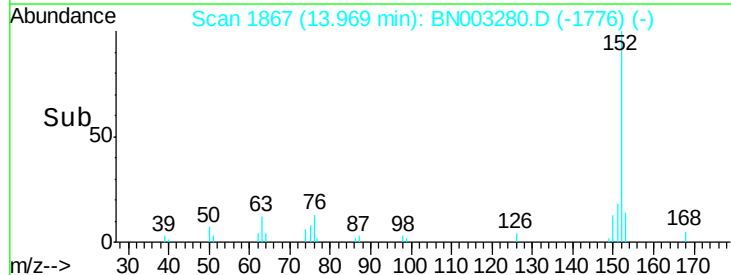
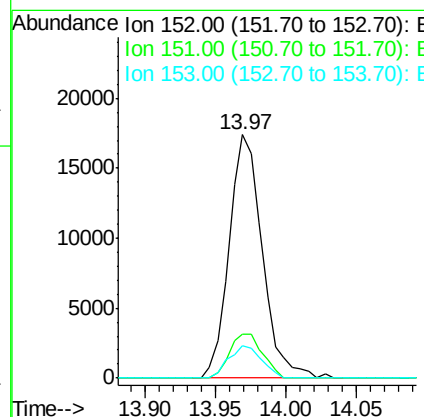
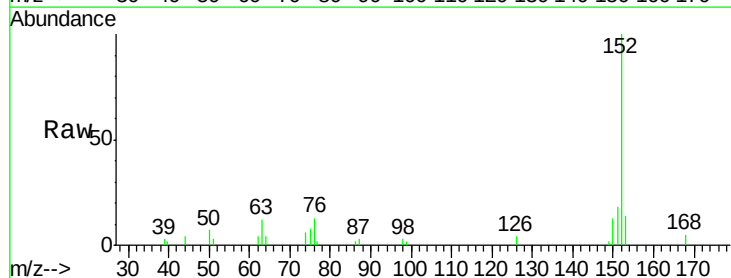
Sohil

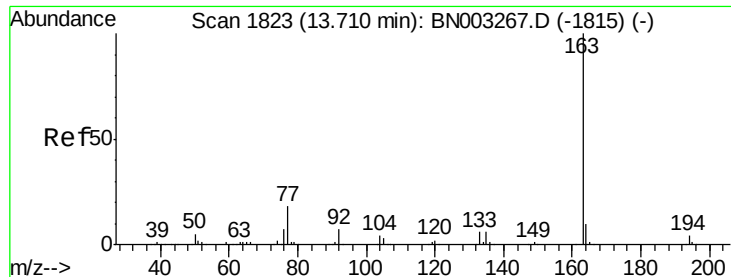
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#49
 Acenaphthylene
 Concen: 0.998 ng
 RT: 13.97 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion: 152 Resp: 28467
 Ion Ratio Lower Upper
 152 100
 151 18.1 15.8 23.6
 153 13.5 10.3 15.5





#50
Dimethylphthalate
Concen: 0.976 ng
RT: 13.73 min Scan# 1826
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

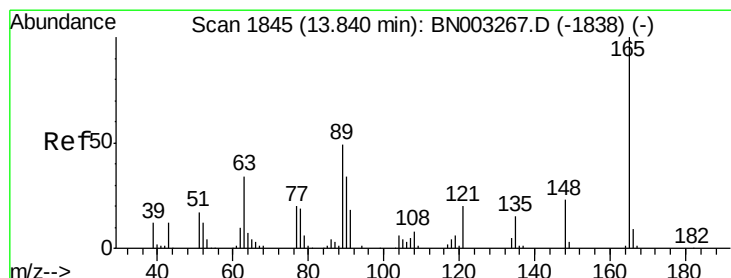
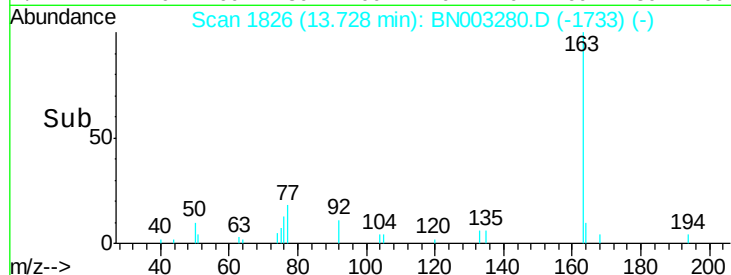
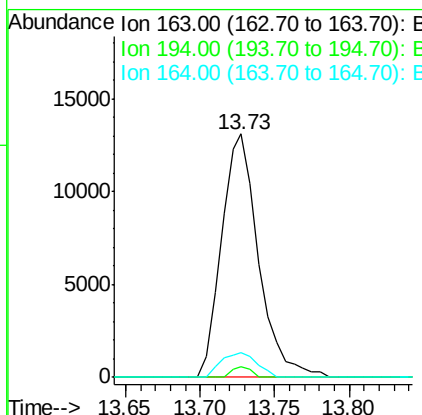
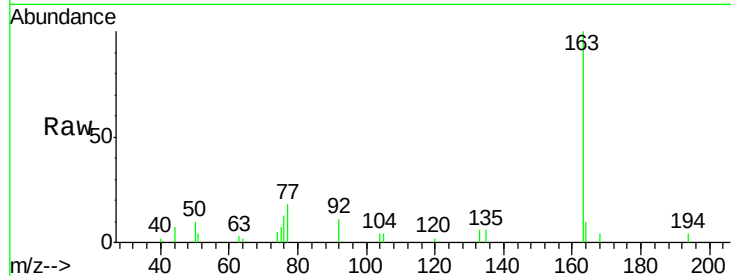
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.9	7.9	11.9

Manual Integrations
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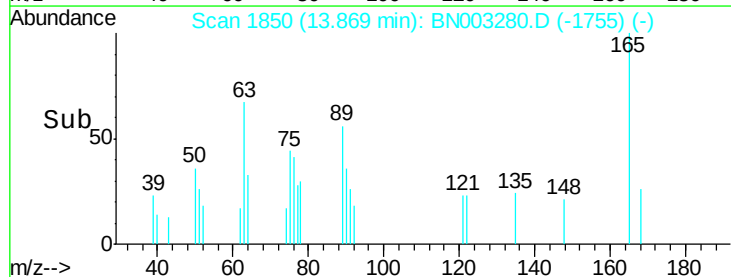
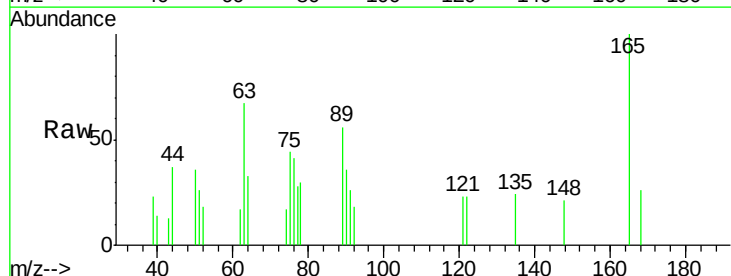
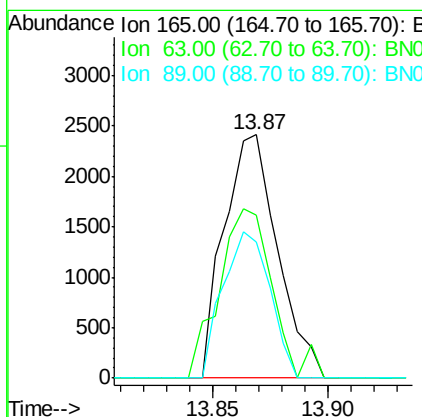
Sohil

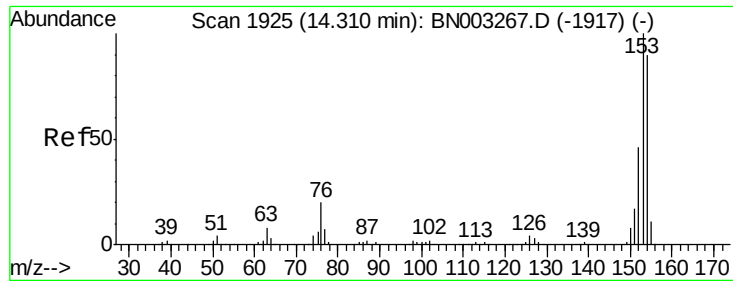
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#51
2,6-Dinitrotoluene
Concen: 0.737 ng
RT: 13.87 min Scan# 1850
Delta R.T. 0.03 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	66.8	39.2	58.8#
89	55.7	38.9	58.3





#52

Acenaphthene

Concen: 1.044 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BN003280.D

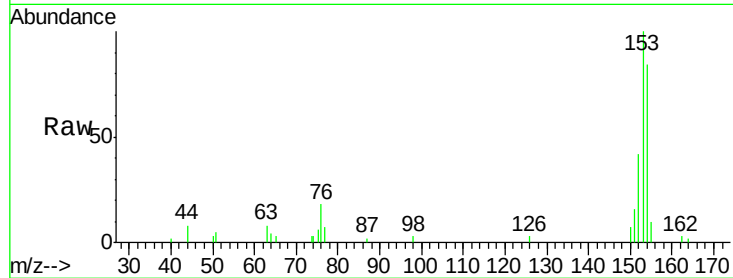
Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

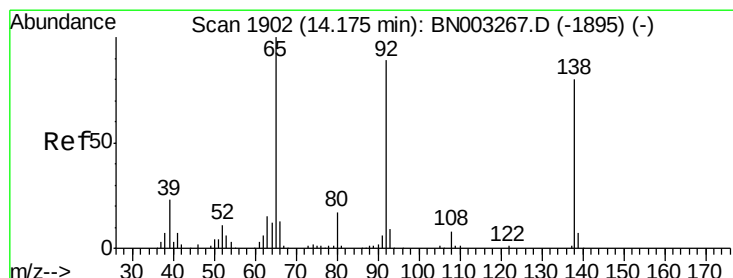
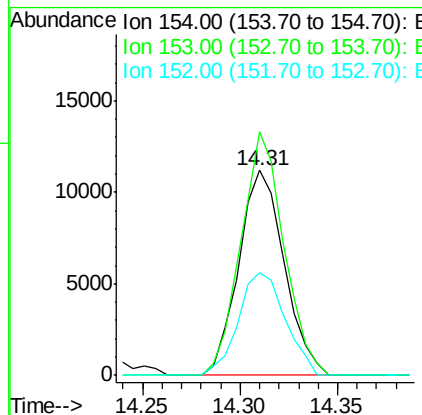
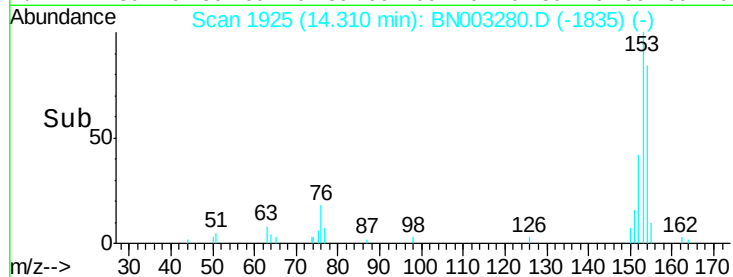


Tgt Ion:	154	Resp:	18055
Ion Ratio	Lower	Upper	
154	100		
153	118.7	89.3	133.9
152	50.0	41.2	61.8

Manual Integrations
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#53

3-Nitroaniline

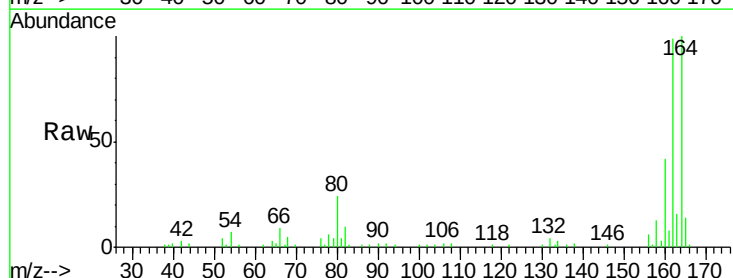
Concen: 0.438 ng

RT: 14.23 min Scan# 1911

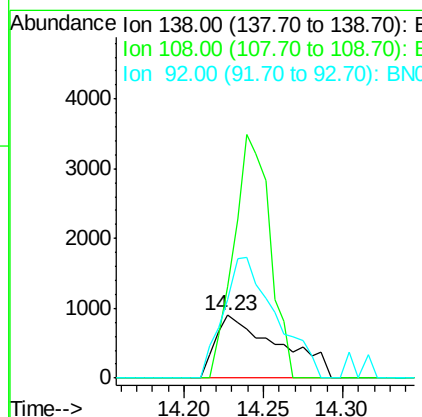
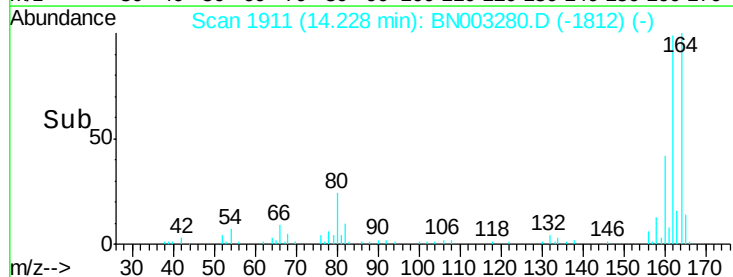
Delta R.T. 0.05 min

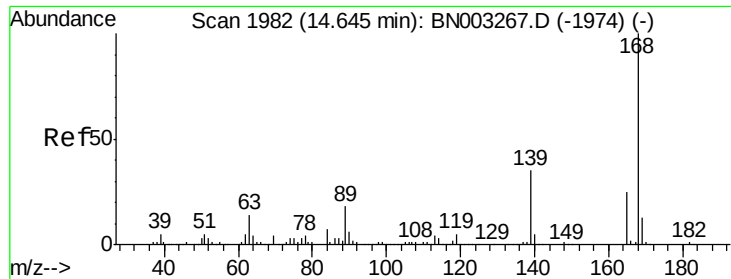
Lab File: BN003280.D

Acq: 24 Oct 2018 20:17



Tgt Ion:	138	Resp:	2477
Ion Ratio	Lower	Upper	
138	100		
108	144.5	8.4	12.6#
92	124.4	89.6	134.4





#55

Dibenzofuran

Concen: 1.009 ng

RT: 14.66 min Scan# 1985

Delta R.T. 0.02 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:168 Resp: 28390

Ion Ratio Lower Upper

168 100

139 38.2 28.5 42.7

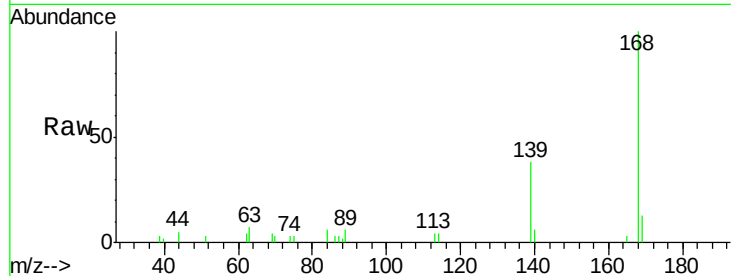
169 13.3 10.3 15.5

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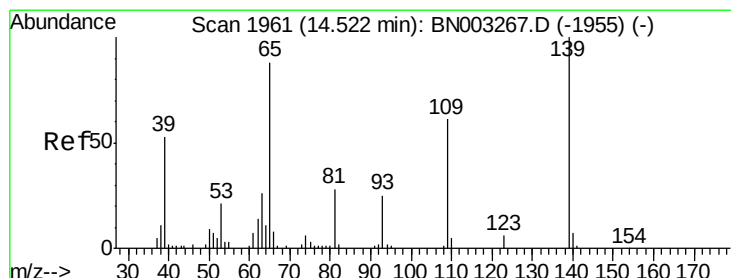
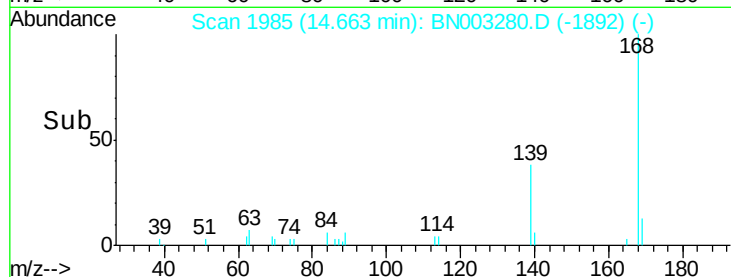
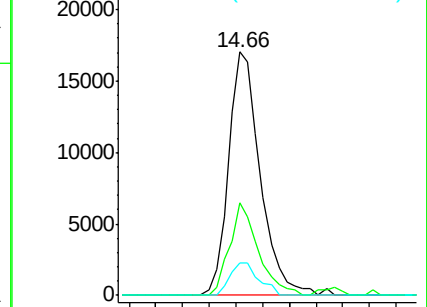
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 7.677 ng

RT: 14.66 min Scan# 1985

Delta R.T. 0.14 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

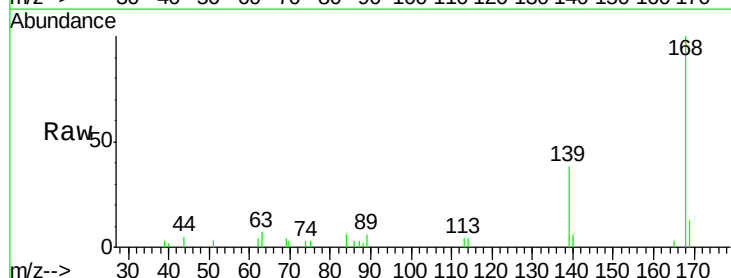
Tgt Ion:139 Resp: 9859

Ion Ratio Lower Upper

139 100

109 0.0 40.7 80.7#

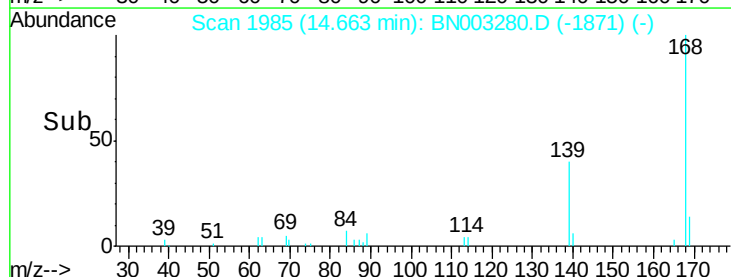
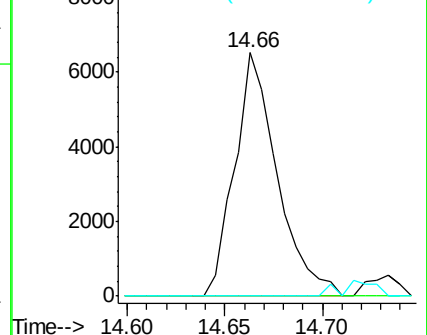
65 0.0 68.0 108.0#

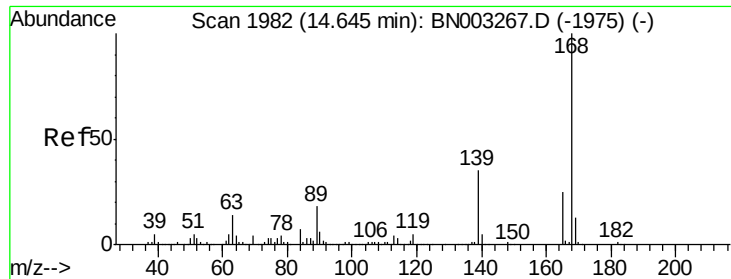


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC





#57

2,4-Dinitrotoluene

Concen: 0.397 ng

RT: 14.67 min Scan# 1987

Delta R.T. 0.03 min

Lab File: BN003280.D

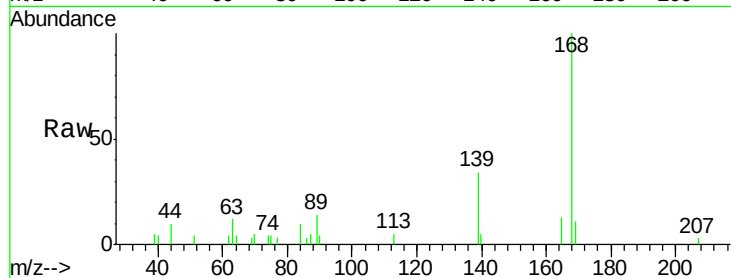
Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:165 Resp: 2847

Ion Ratio Lower Upper

165 100

63 86.9 45.8 68.6#

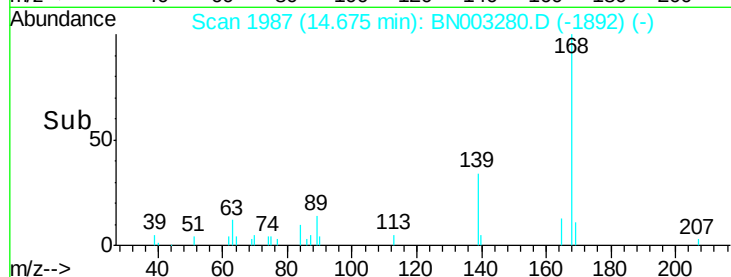
89 103.3 58.7 88.1#

182 0.0 2.3 3.5#

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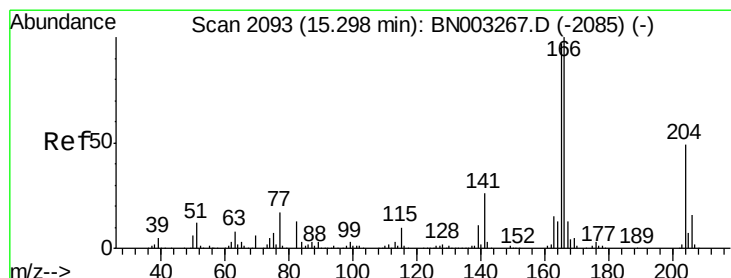
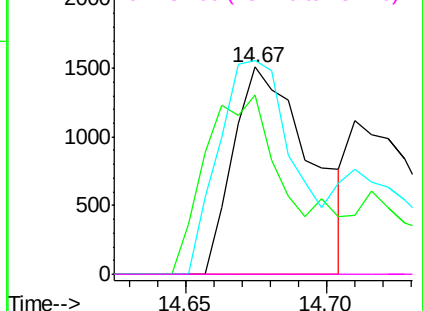


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 1.064 ng

RT: 15.30 min Scan# 2094

Delta R.T. 0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

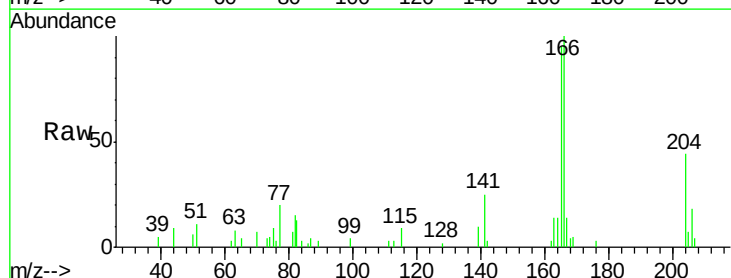
Tgt Ion:166 Resp: 23085

Ion Ratio Lower Upper

166 100

165 95.1 77.6 116.4

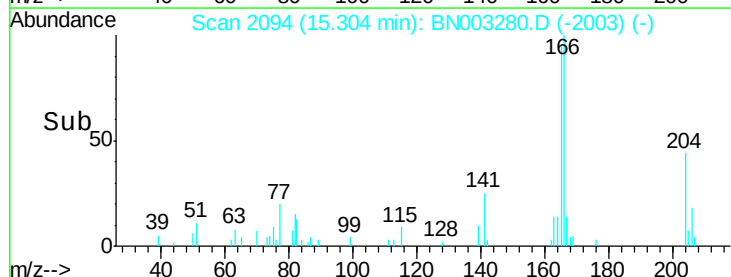
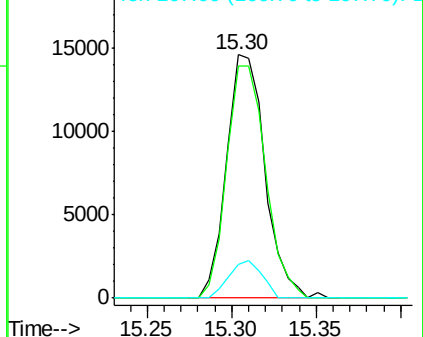
167 14.0 10.6 16.0

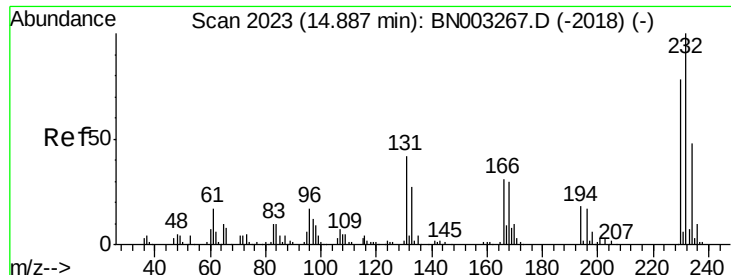


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

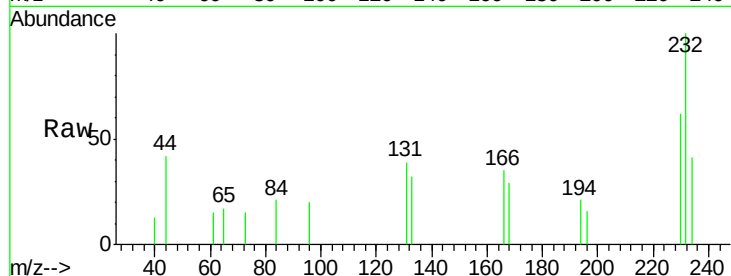
Ion 167.00 (166.70 to 167.70): E





#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.767 ng
 RT: 14.91 min Scan# 2027
 Delta R.T. 0.02 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

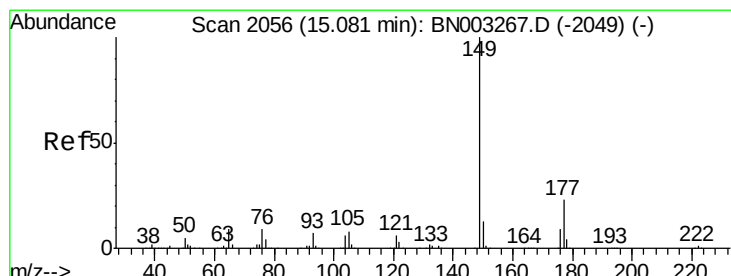
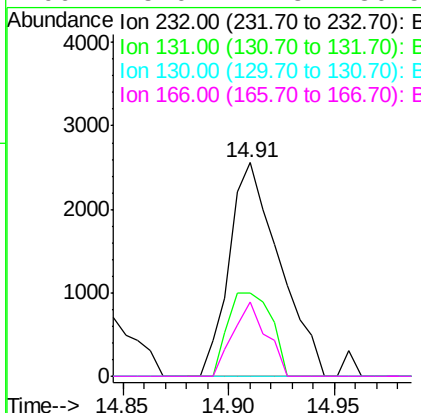
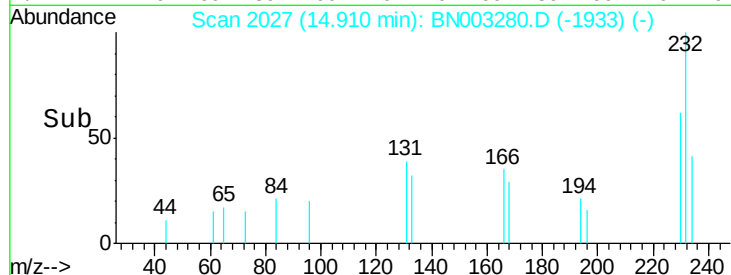
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:	232	Resp:	4228
Ion Ratio	Lower	Upper	
232	100		
131	33.8	33.7	50.5
130	0.0	1.6	2.4
166	23.0	24.3	36.5

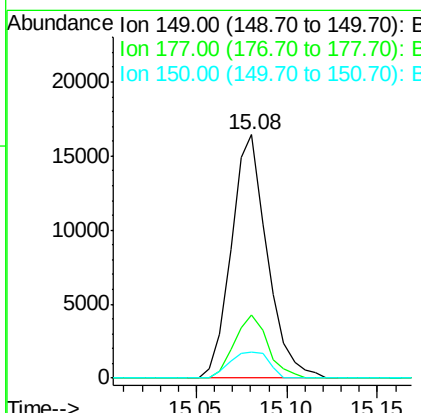
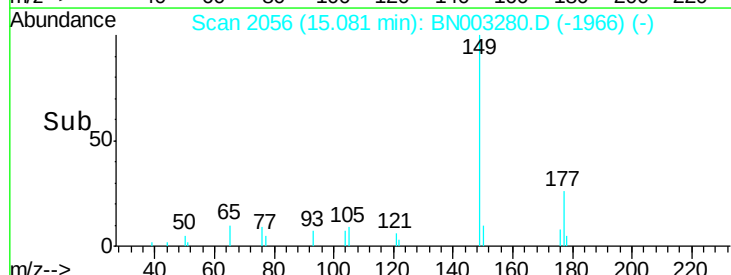
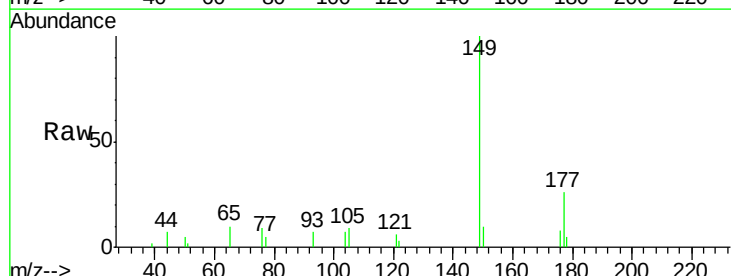
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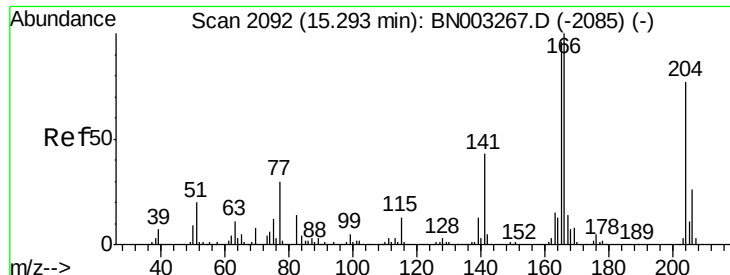
Sohil
 10/25/2018 3:20:14 PM



#60
 Diethylphthalate
 Concen: 0.955 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion:	149	Resp:	22555
Ion Ratio	Lower	Upper	
149	100		
177	25.8	18.6	28.0
150	10.5	10.0	15.0





#61
 4-Chlorophenyl-phenylether
 Concen: 0.937 ng
 RT: 15.30 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

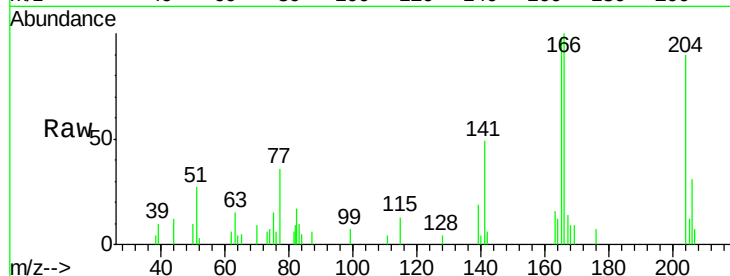
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.9	26.6	39.8
141	54.2	44.6	67.0

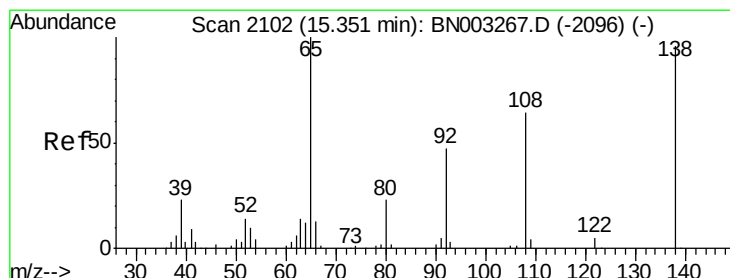
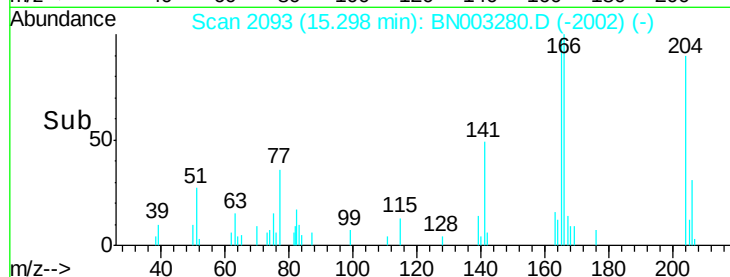
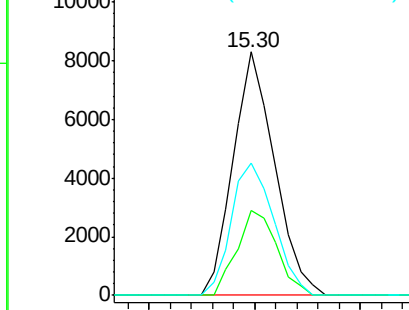
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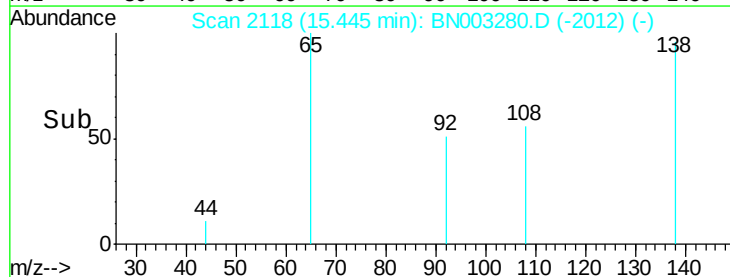
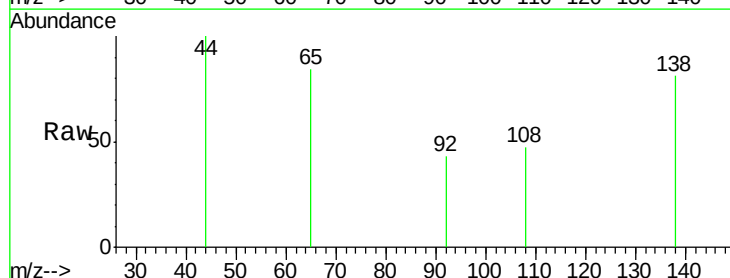
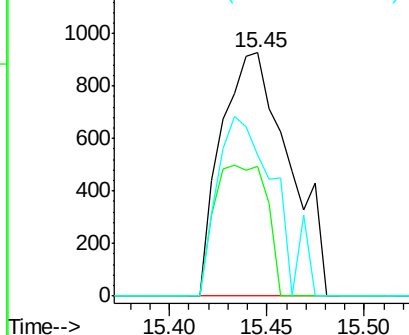
Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

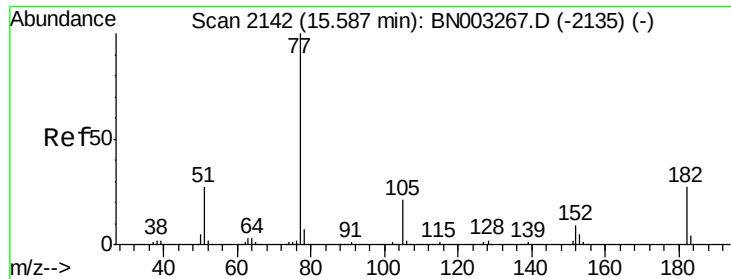


#62
 4-Nitroaniline
 Concen: 0.402 ng
 RT: 15.45 min Scan# 2118
 Delta R.T. 0.09 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.1	27.9	67.9
108	58.0	46.3	86.3

Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E





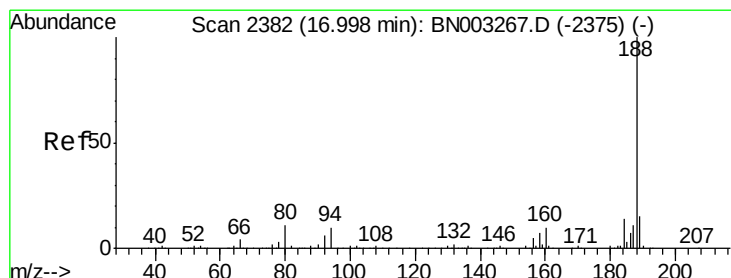
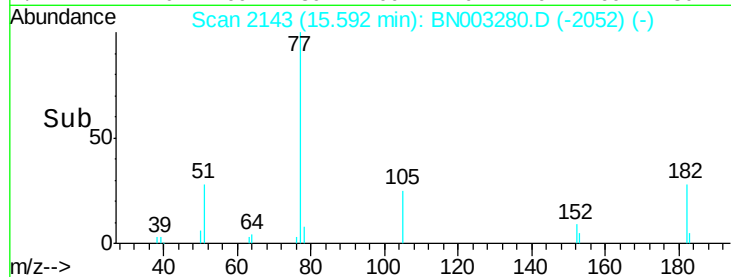
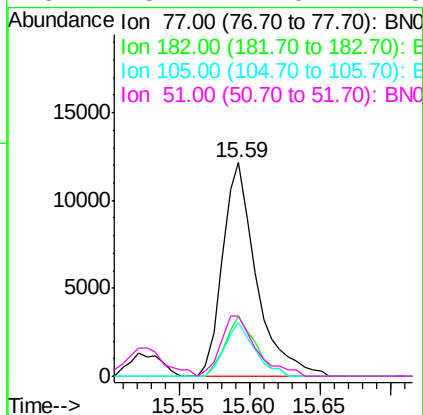
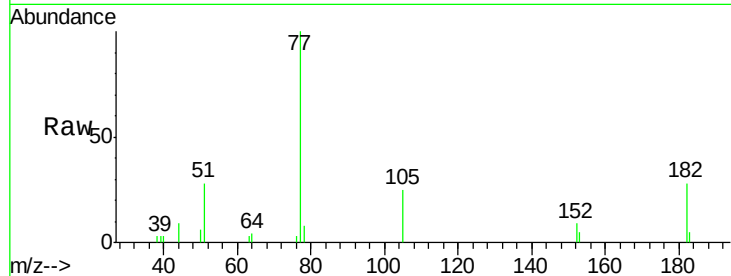
#63
Azobenzene
Concen: 0.928 ng
RT: 15.59 min Scan# 2143
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.2	6.5	46.5
105	24.9	1.0	41.0
51	28.1	7.0	47.0

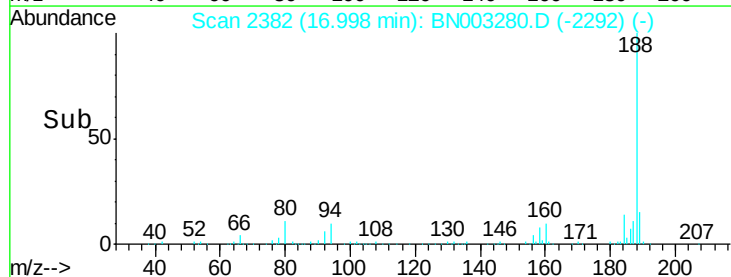
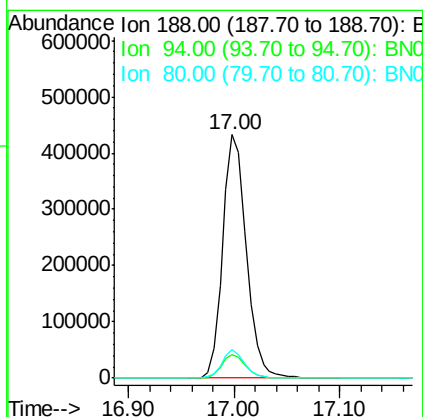
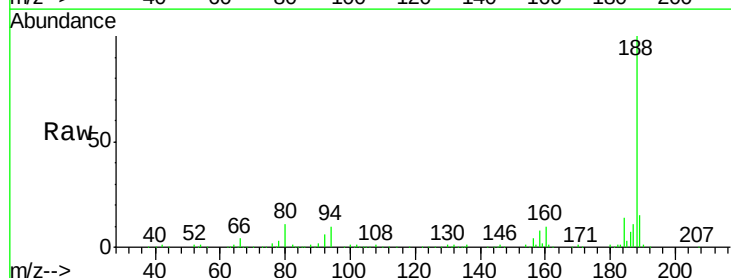
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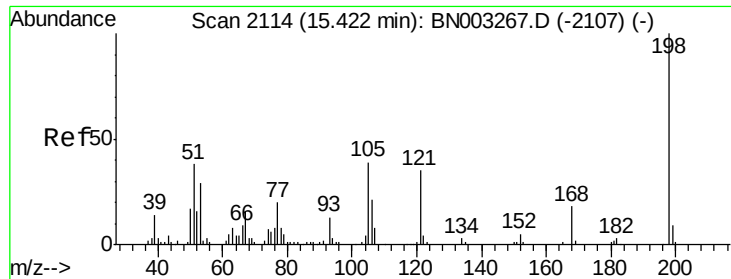
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	11.5	8.6	13.0





#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.205 ng
 RT: 15.52 min Scan# 2131
 Delta R.T. 0.10 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

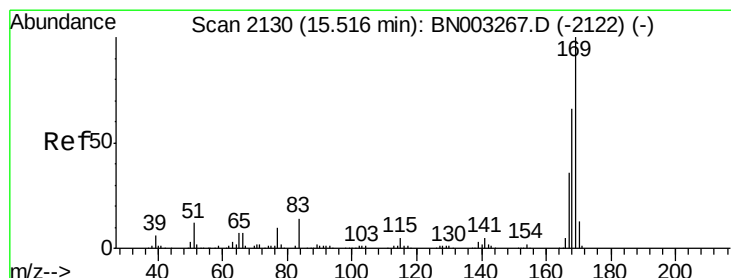
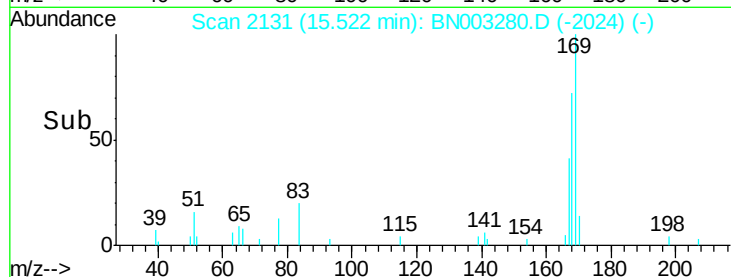
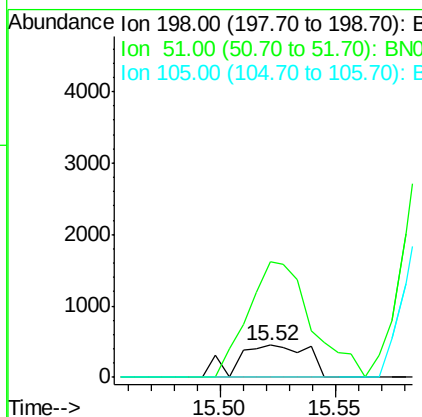
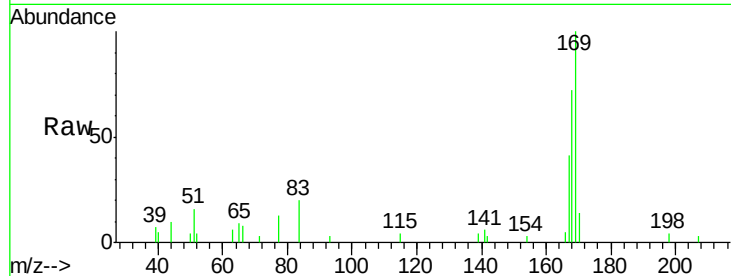
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
198	100		
51	364.9	19.2	59.2#
105	0.0	18.9	58.9#

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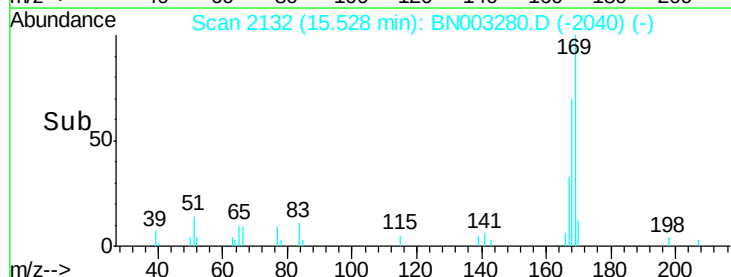
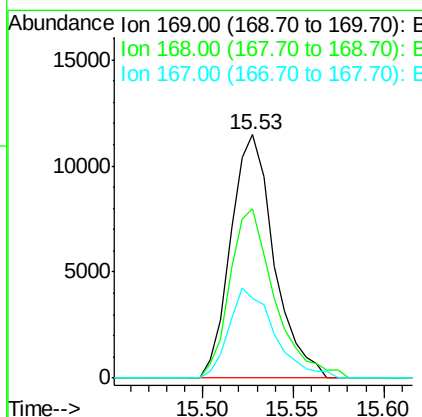
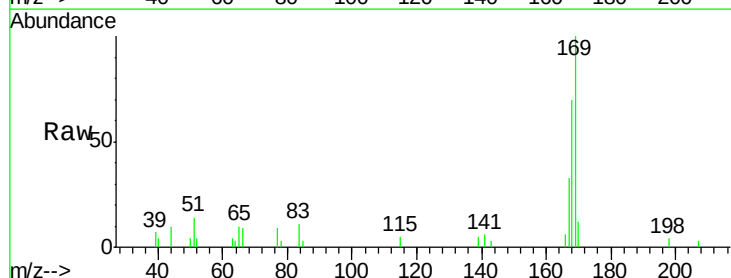
Sohil

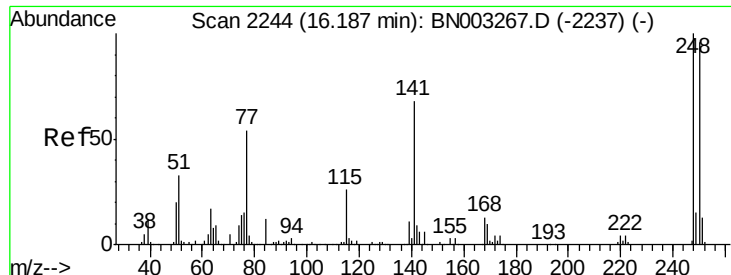
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#66
 n-Nitrosodiphenylamine
 Concen: 0.901 ng
 RT: 15.53 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.5	53.3	79.9
167	32.8	28.6	43.0





#67

4-Bromophenyl-phenylether

Concen: 0.975 ng

RT: 16.20 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

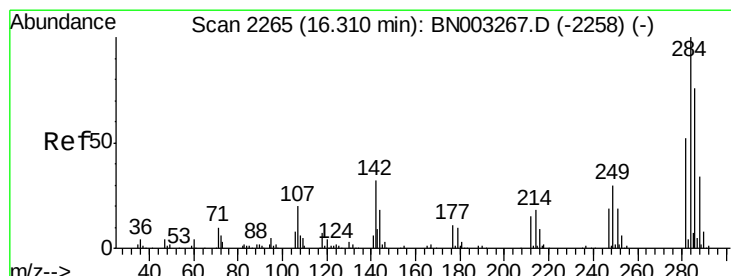
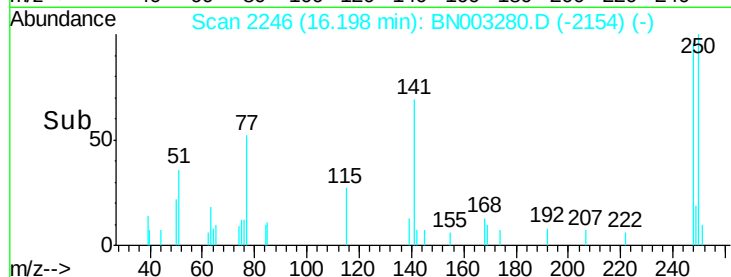
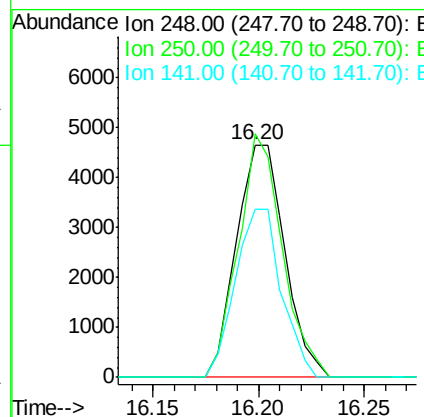
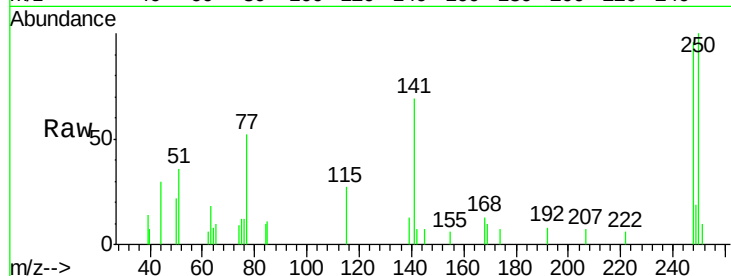
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Tgt Ion:	248	Resp:	7403
Ion Ratio	Lower	Upper	
248	100		
250	104.6	76.4	114.6
141	72.0	54.2	81.4

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#68

Hexachlorobenzene

Concen: 0.975 ng

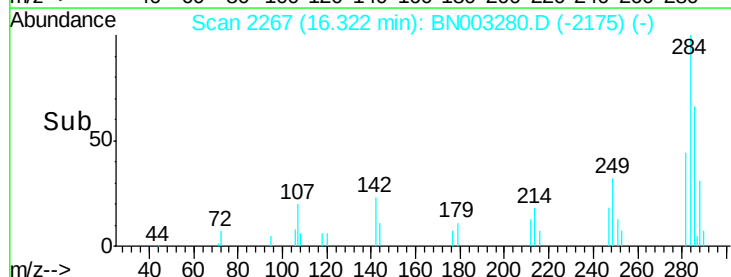
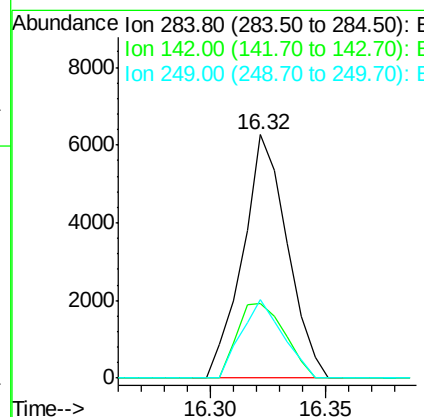
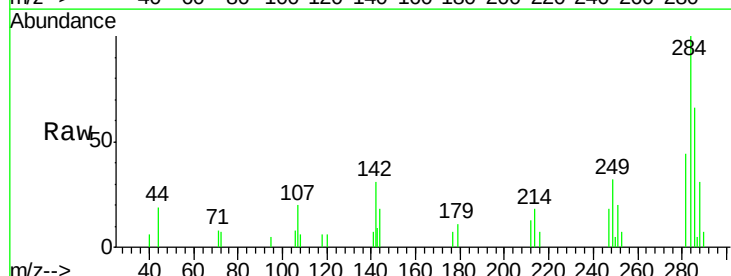
RT: 16.32 min Scan# 2267

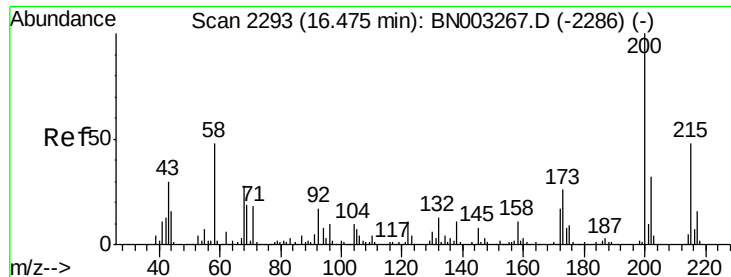
Delta R.T. 0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Tgt Ion:	284	Resp:	8429
Ion Ratio	Lower	Upper	
284	100		
142	30.9	25.6	38.4
249	32.4	23.6	35.4





#69
 Atrazine
 Concen: 0.815 ng
 RT: 16.49 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

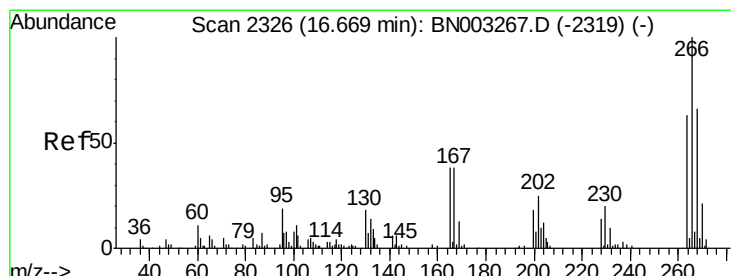
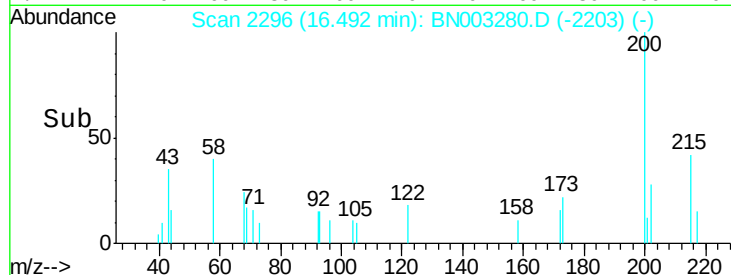
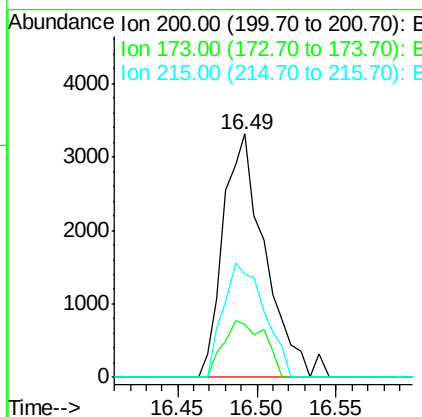
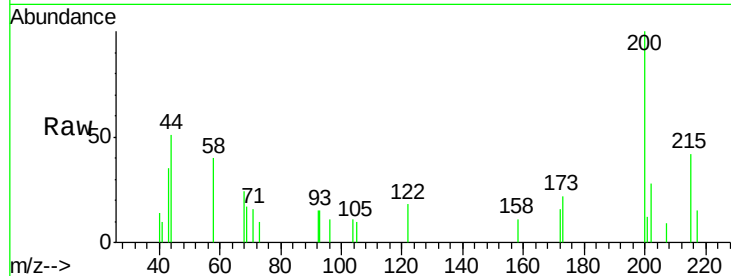
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
200	100		
173	21.7	6.3	46.3
215	42.0	27.6	67.6

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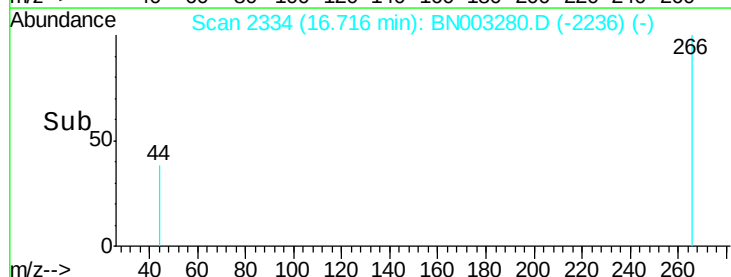
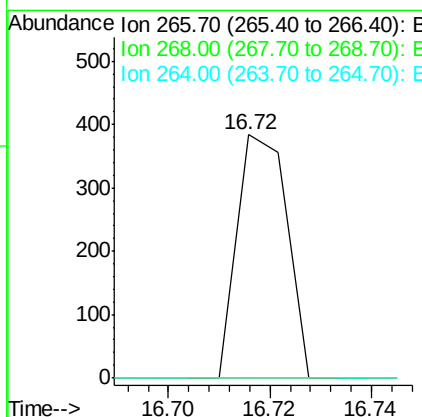
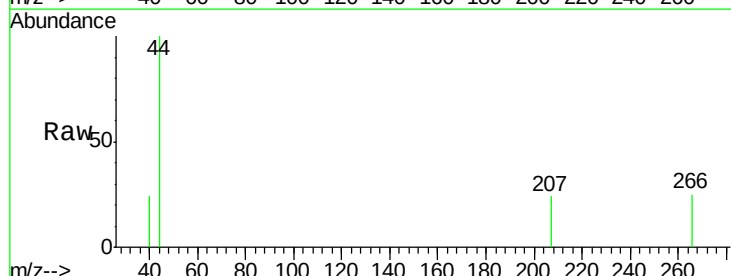
Sohil

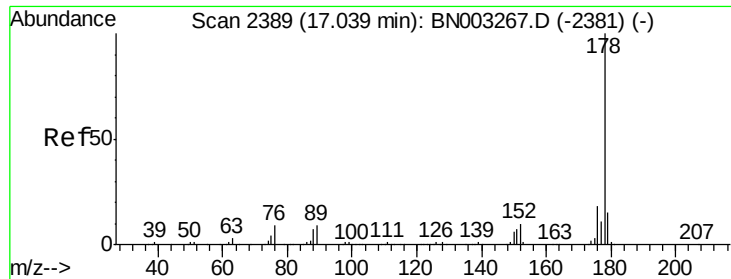
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#70
 Pentachlorophenol
 Concen: 6.587 ng
 RT: 16.72 min Scan# 2334
 Delta R.T. 0.05 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	52.5	78.7#
264	0.0	50.3	75.5#





#71
Phenanthrene
Concen: 1.113 ng
RT: 17.05 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

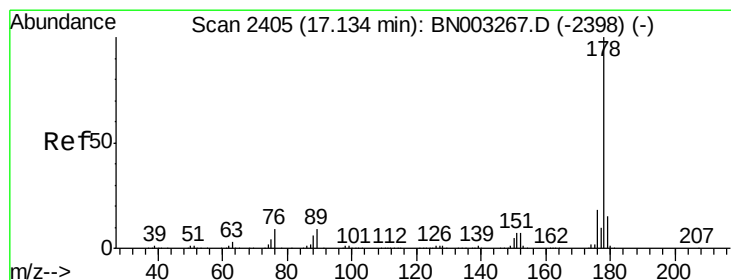
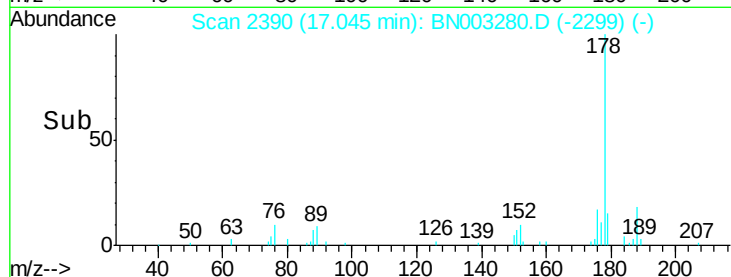
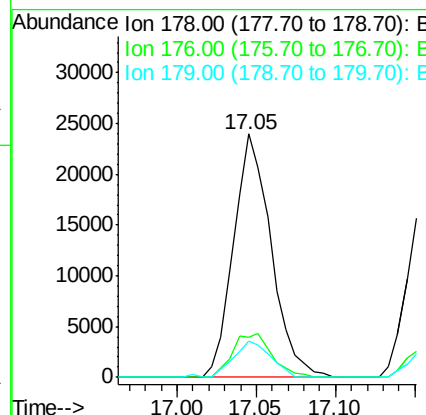
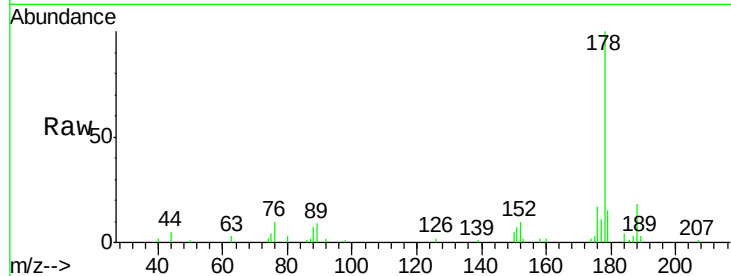
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	14.4	21.6
179	15.1	12.2	18.4

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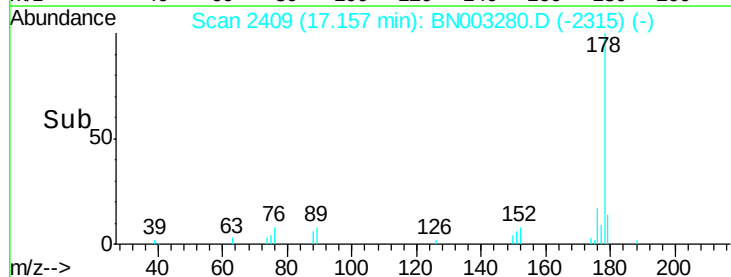
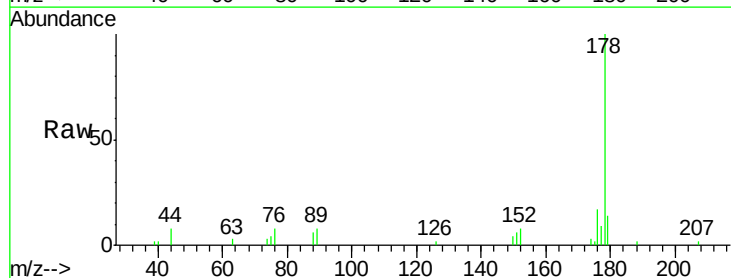
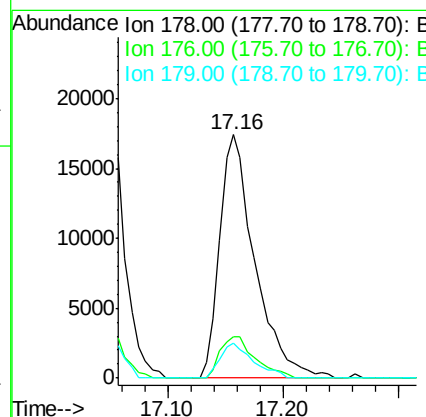
Sohil

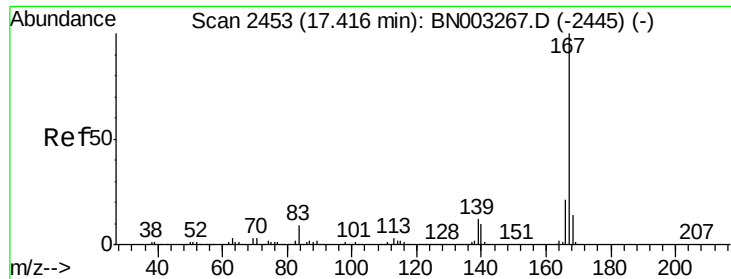
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#72
Anthracene
Concen: 1.040 ng
RT: 17.16 min Scan# 2409
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.3	21.5
179	14.4	12.1	18.1





#73
 Carbazole
 Concen: 0.900 ng
 RT: 17.45 min Scan# 2459
 Delta R.T. 0.04 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

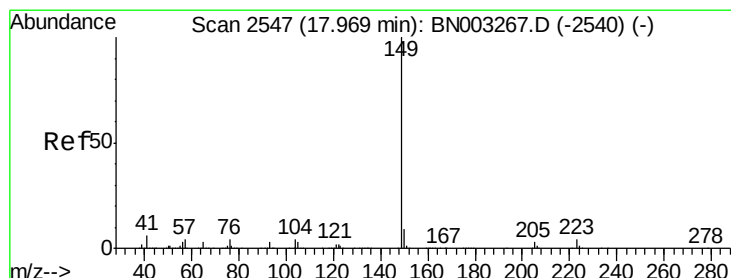
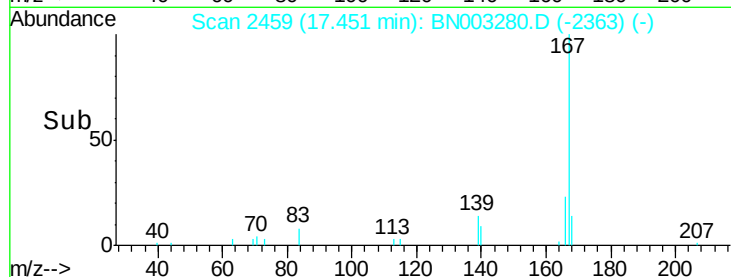
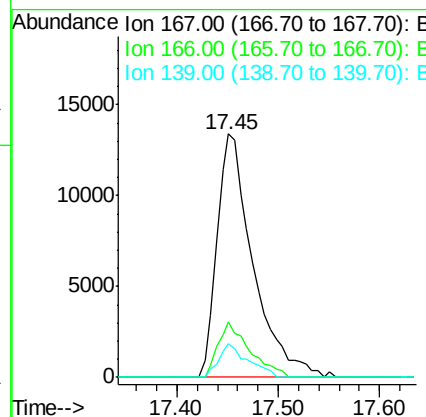
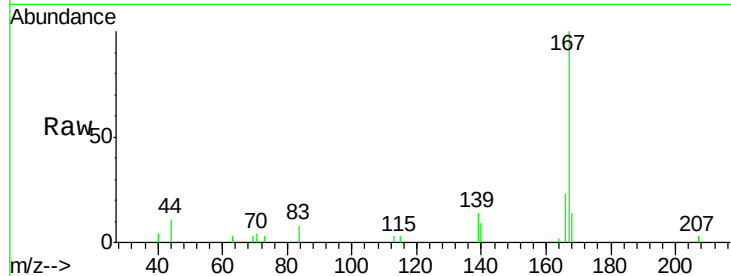
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.0	25.6
139	13.9	9.9	14.9

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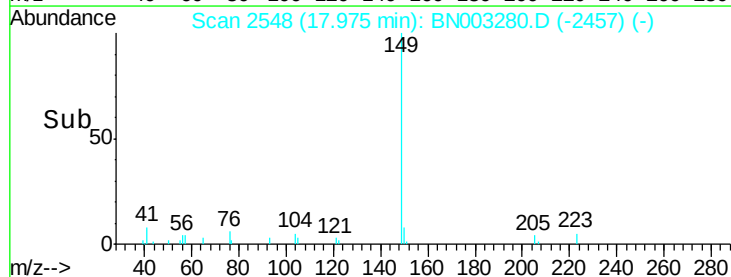
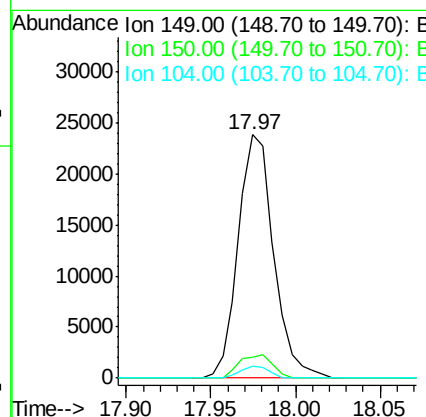
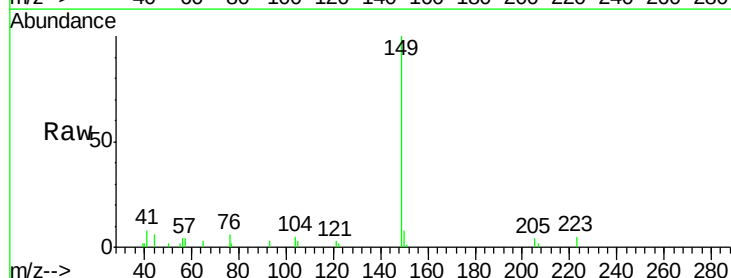
Sohil

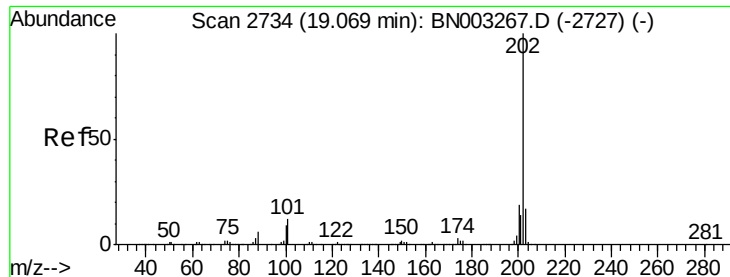
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#74
 Di-n-butylphthalate
 Concen: 0.819 ng
 RT: 17.97 min Scan# 2548
 Delta R.T. 0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.2	10.8
104	5.1	3.6	5.4





#75
Fluoranthene
Concen: 1.053 ng
RT: 19.09 min Scan# 2737
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

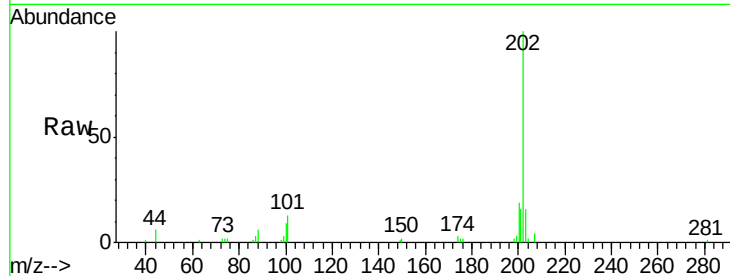
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.9	0.0	32.3
203	16.3	0.0	37.4

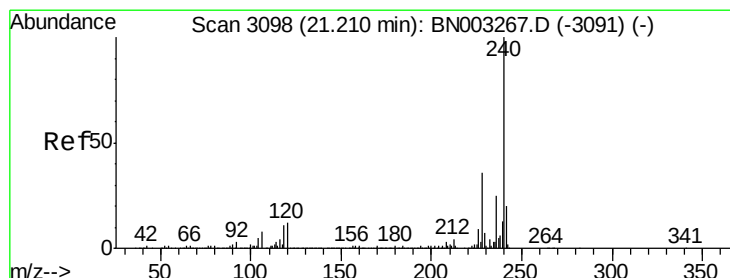
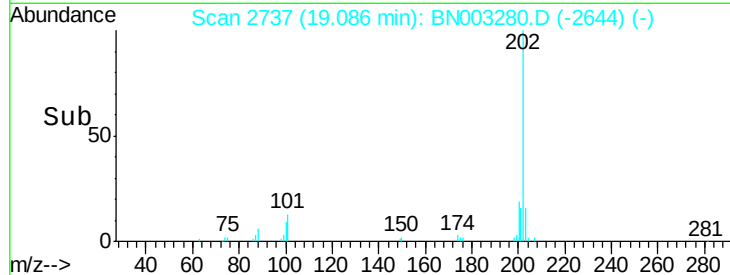
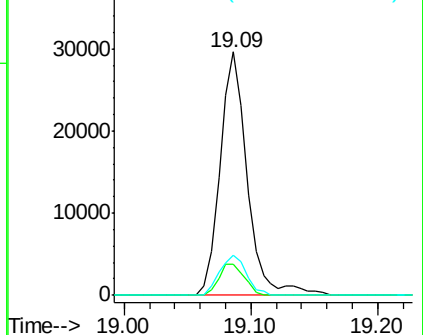
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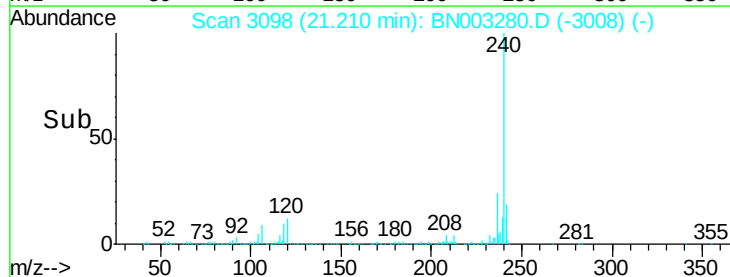
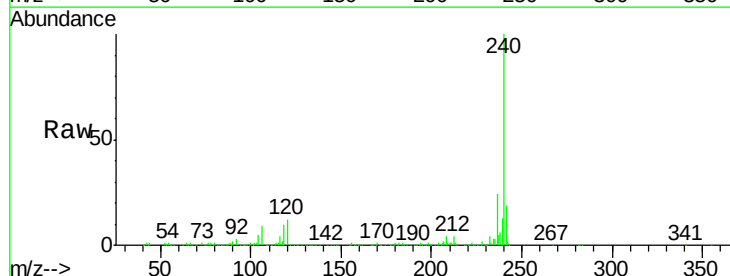
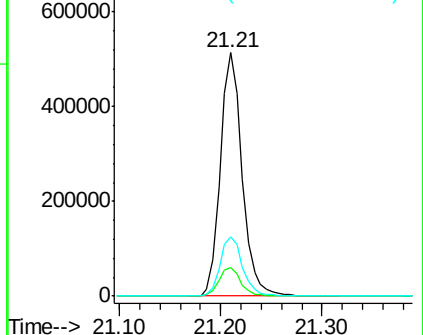
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

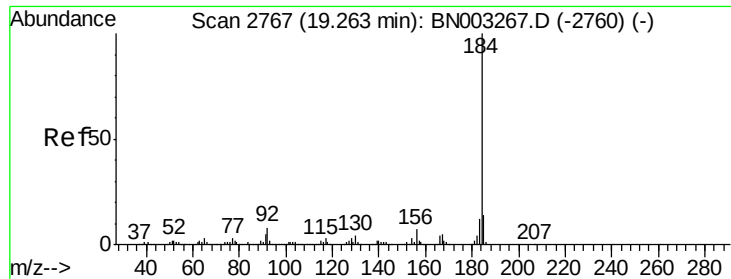


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.21 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.9	9.4	14.0
236	24.5	20.3	30.5

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.271 ng

RT: 19.32 min Scan# 2776

Delta R.T. 0.05 min

Lab File: BN003280.D

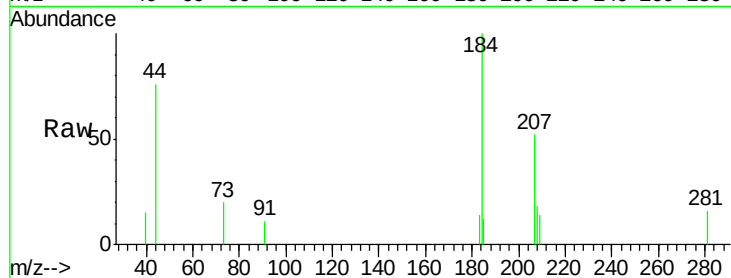
Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

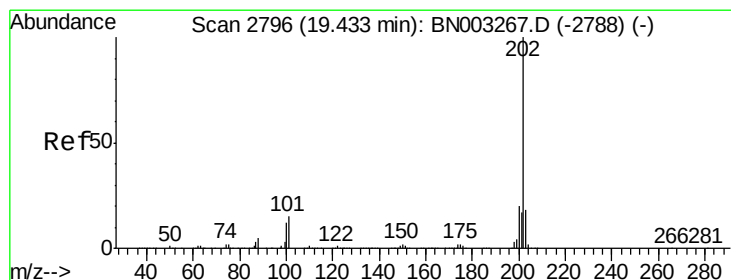
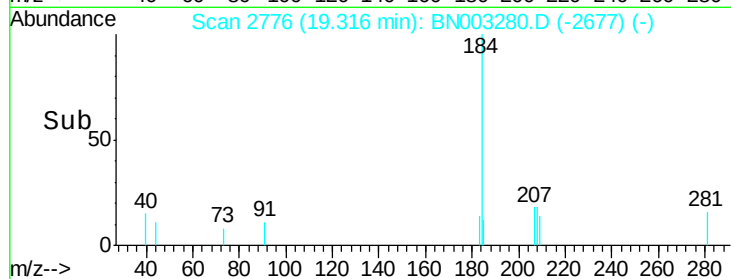
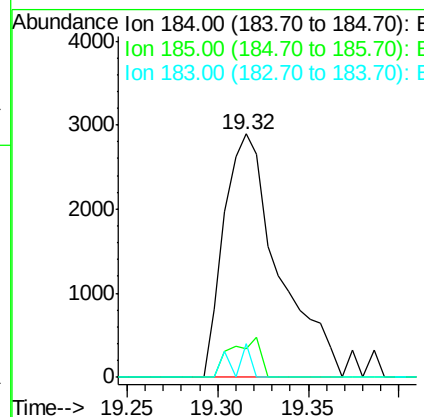


Tgt Ion:	184	Resp:	6076
Ion Ratio	Lower	Upper	
184	100		
185	11.9	11.5	17.3
183	13.8	9.4	14.0

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#78

Pyrene

Concen: 1.004 ng

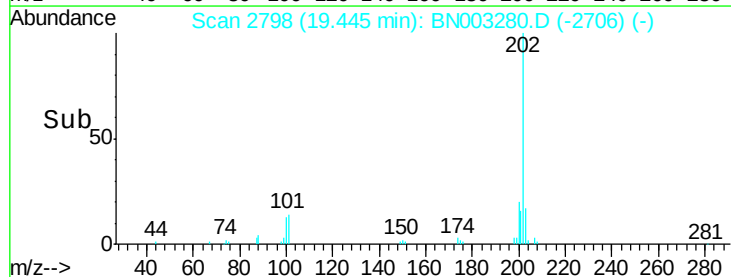
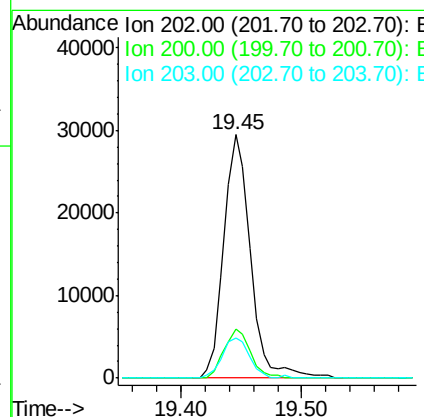
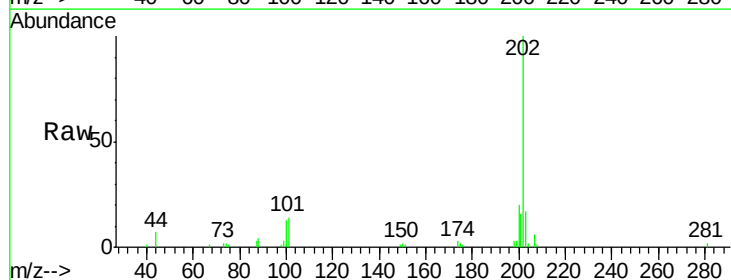
RT: 19.45 min Scan# 2798

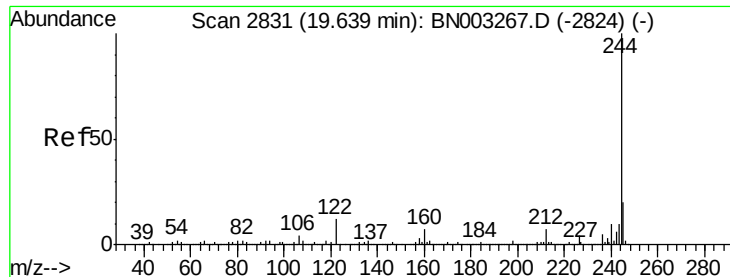
Delta R.T. 0.01 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Tgt Ion:	202	Resp:	45200
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.4
203	16.6	14.3	21.5





#79

Terphenyl-d14

Concen: 78.162 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:244 Resp: 2800057

Ion Ratio Lower Upper

244 100

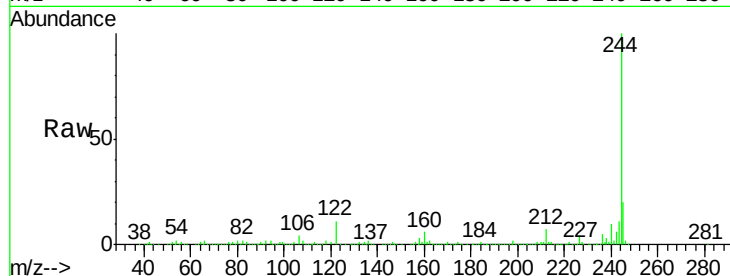
212 6.6 5.4 8.0

122 11.2 9.4 14.2

Manual Integrations
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Sohil

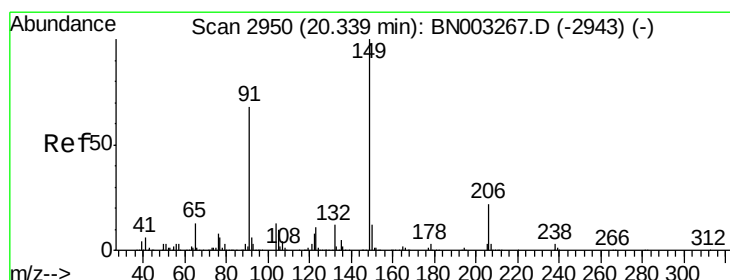
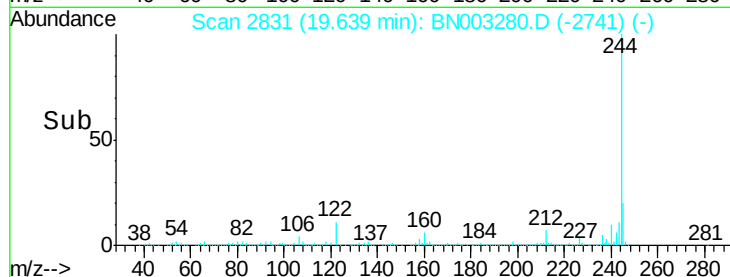
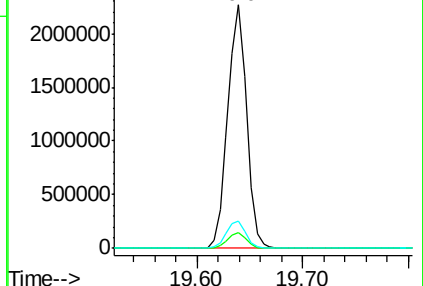
10/25/2018 3:20:14 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.811 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BN003280.D

Acq: 24 Oct 2018 20:17

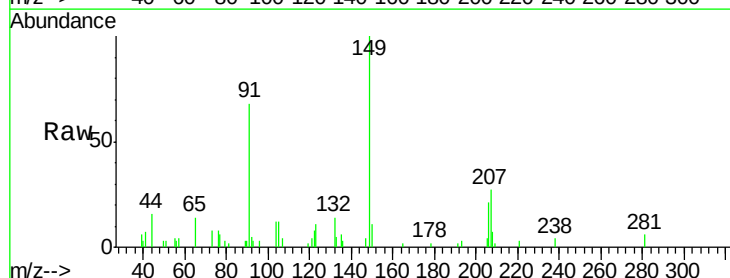
Tgt Ion:149 Resp: 16960

Ion Ratio Lower Upper

149 100

91 68.0 54.6 81.8

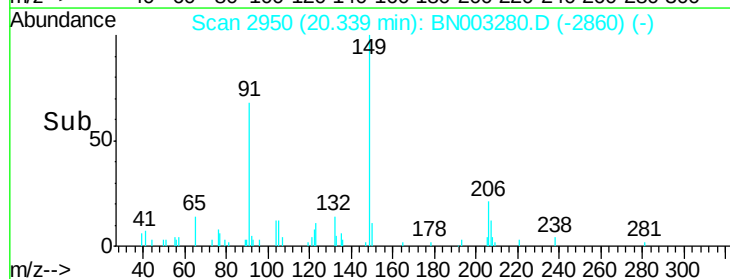
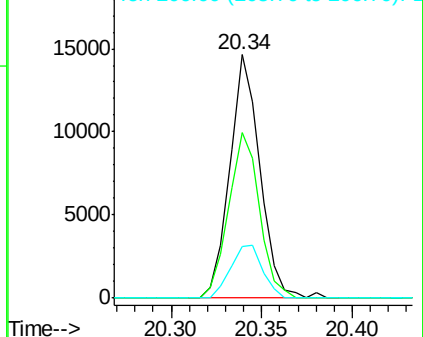
206 21.0 17.8 26.6

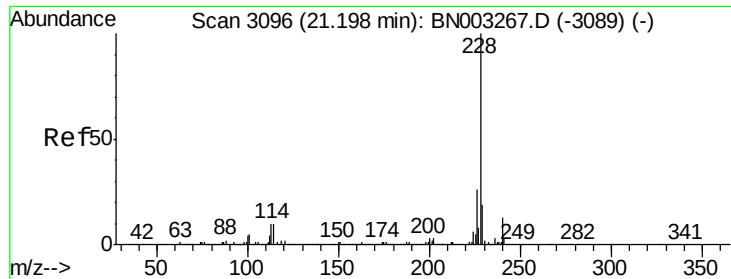


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81
Benzo(a)anthracene
Concen: 1.105 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

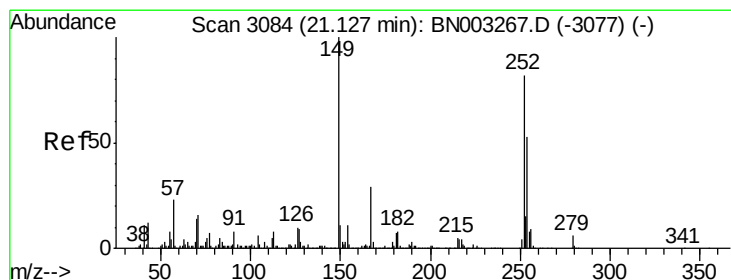
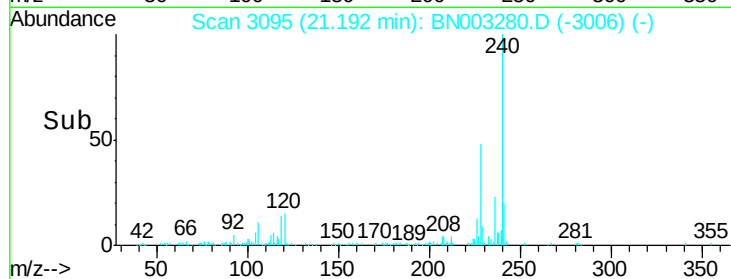
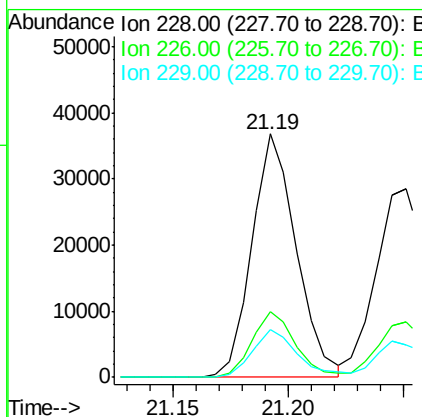
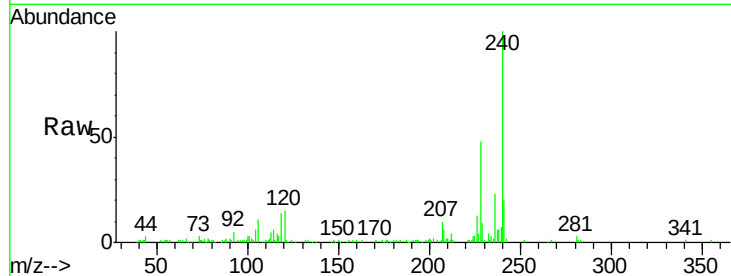
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	228	Resp:	49281
Ion Ratio	Lower	Upper	
228	100		
226	26.8	20.8	31.2
229	19.6	15.3	22.9

Manual Integrations
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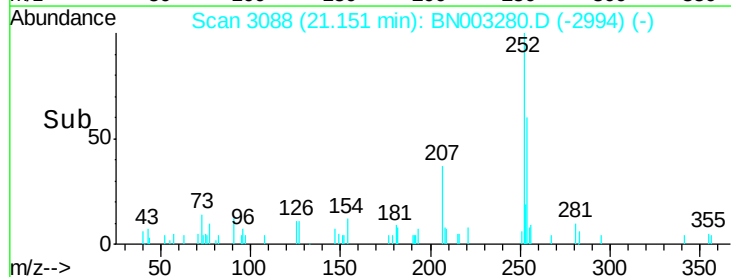
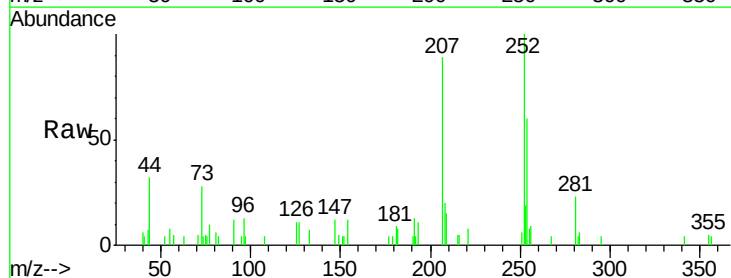
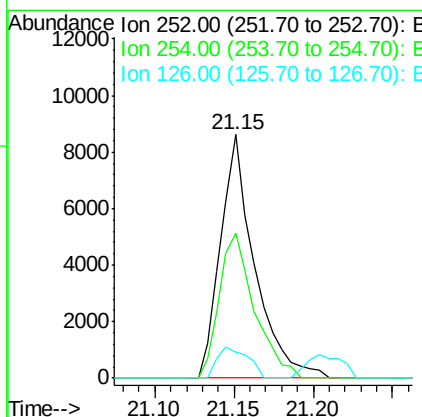
Sohil

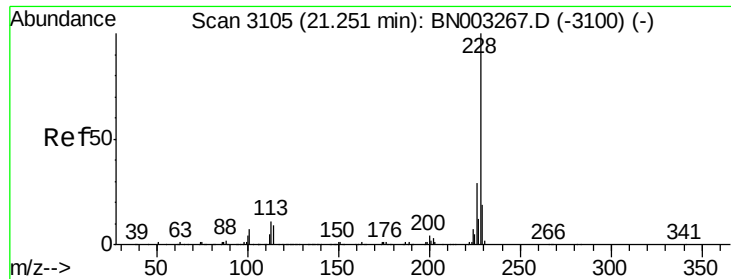
10/25/2018 3:20:14 PM



#82
3,3'-Dichlorobenzidine
Concen: 0.698 ng
RT: 21.15 min Scan# 3088
Delta R.T. 0.02 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion:	252	Resp:	12893
Ion Ratio	Lower	Upper	
252	100		
254	59.7	51.1	76.7
126	10.6	9.3	13.9





#83
Chrysene
 Concen: 1.122 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

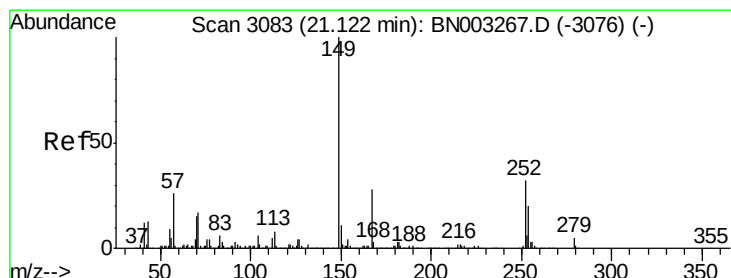
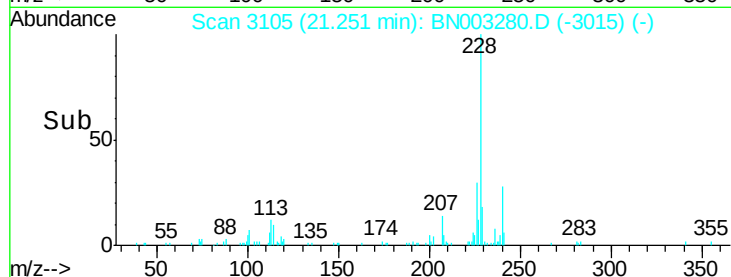
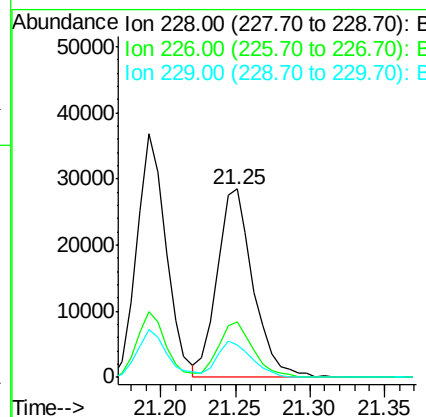
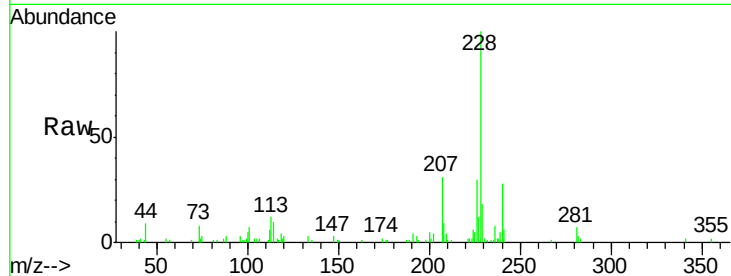
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.3	34.9
229	17.5	15.3	22.9

Manual Integrations
 APPROVED

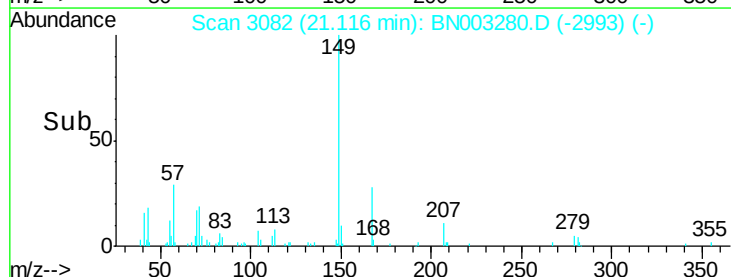
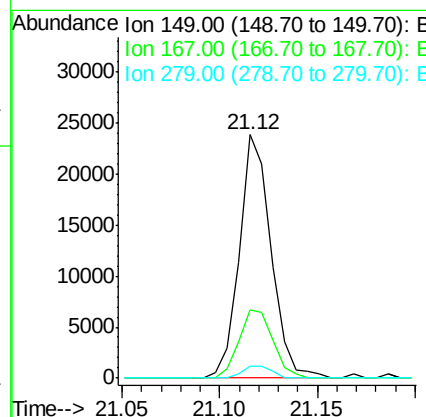
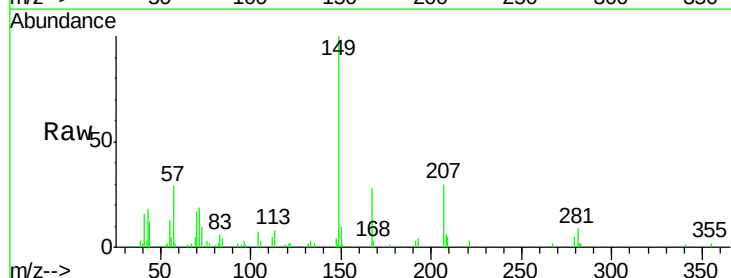
Sohil

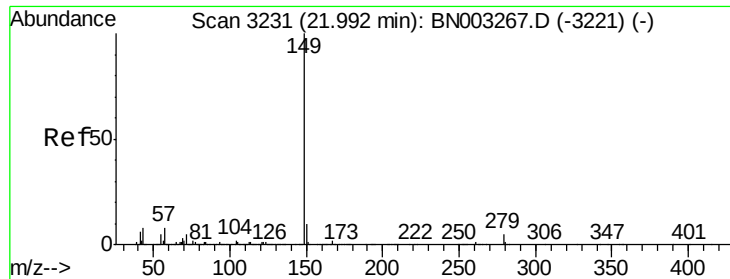
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#84
Bis(2-ethylhexyl)phthalate
 Concen: 0.865 ng
 RT: 21.12 min Scan# 3082
 Delta R.T. -0.01 min
 Lab File: BN003280.D
 Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	33.8
279	4.7	3.8	5.8





#85
Di-n-octyl phthalate
Concen: 0.942 ng
RT: 21.99 min Scan# 3230
Delta R.T. -0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

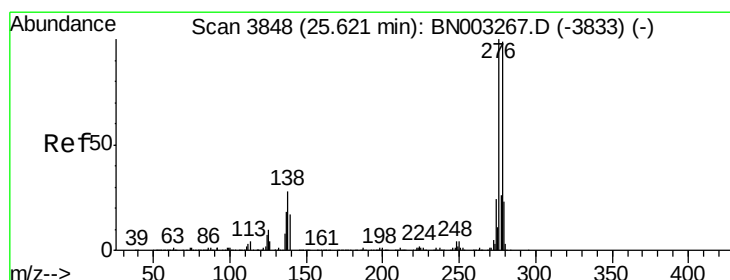
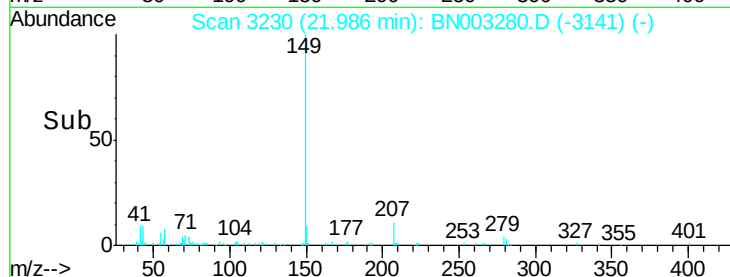
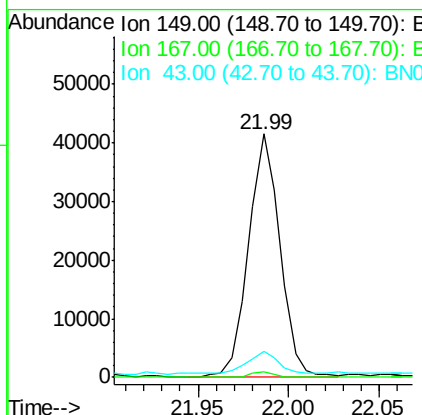
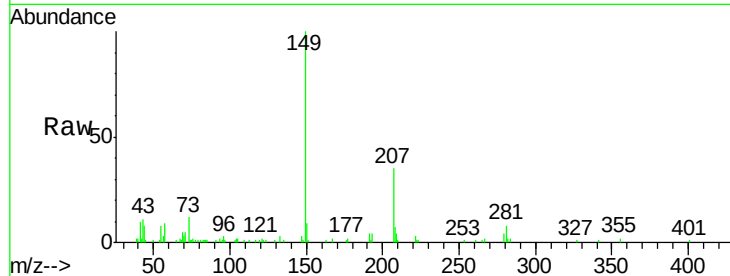
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.4	1.3	1.9
43	9.1	6.9	10.3

Manual Integrations
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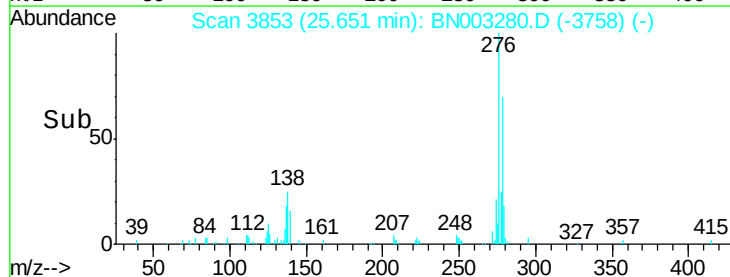
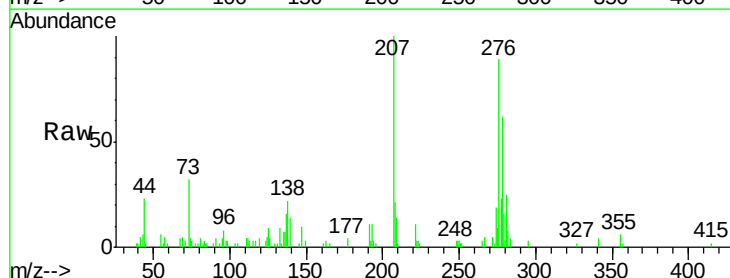
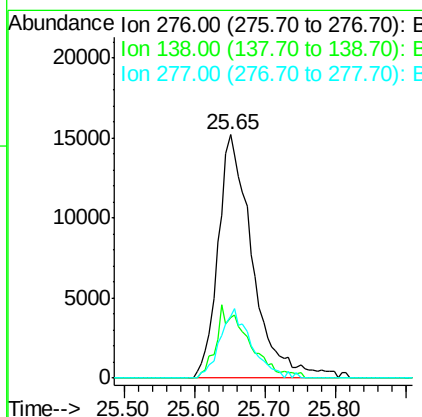
Sohil

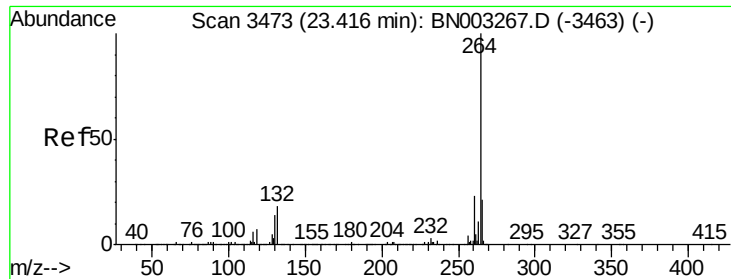
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#86
Indeno(1,2,3-cd)pyrene
Concen: 1.045 ng
RT: 25.65 min Scan# 3853
Delta R.T. 0.03 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	28.4	21.2	31.8
277	25.5	20.2	30.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

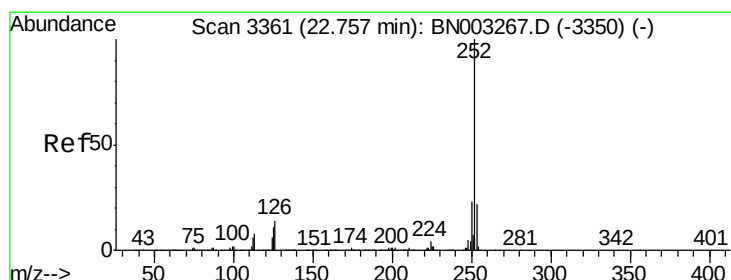
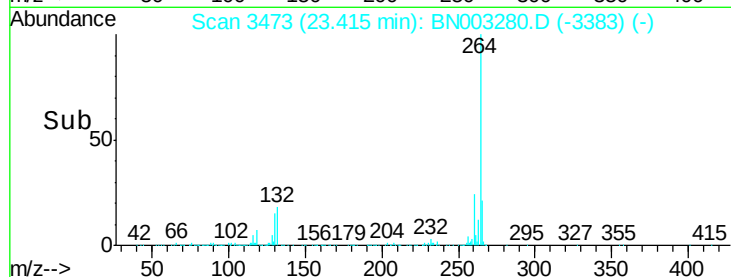
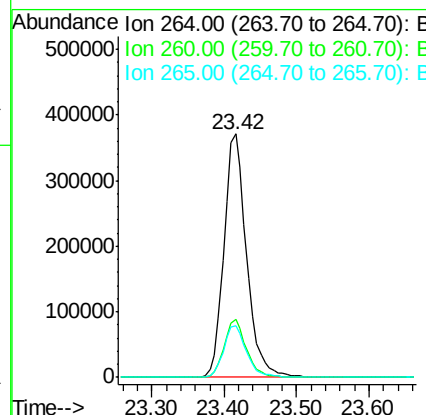
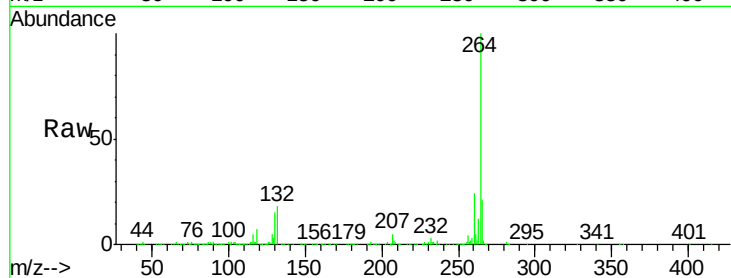
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	21.0	16.6	25.0

Manual Integrations
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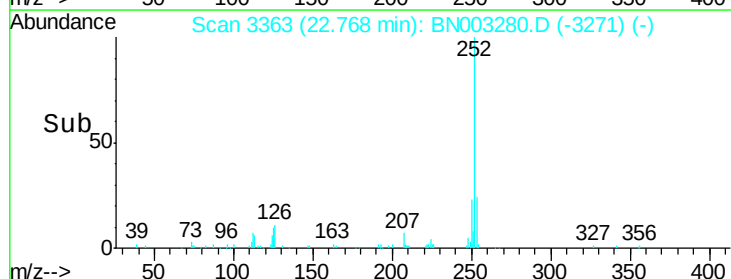
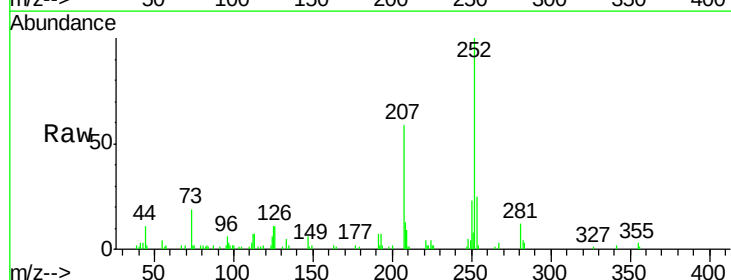
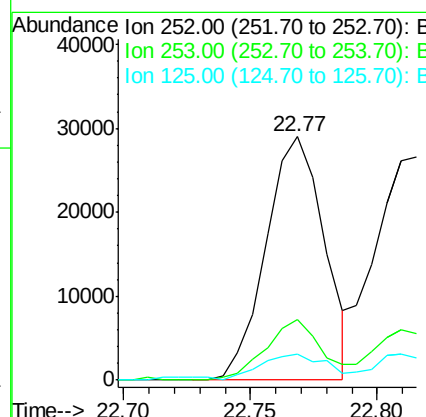
Sohil

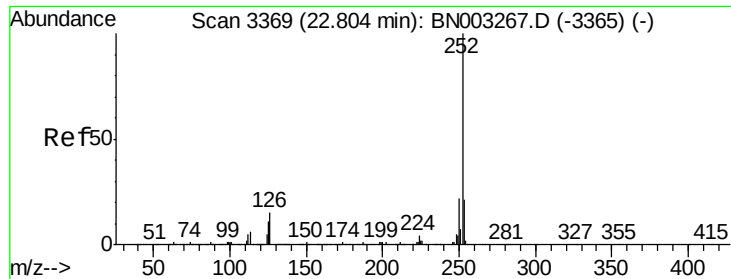
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#88
Benzo(b)fluoranthene
Concen: 1.049 ng
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	10.9	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 1.155 ng
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

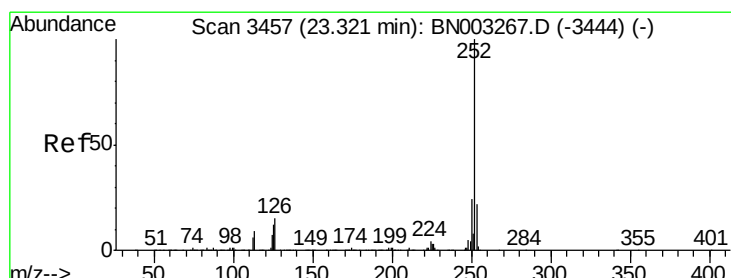
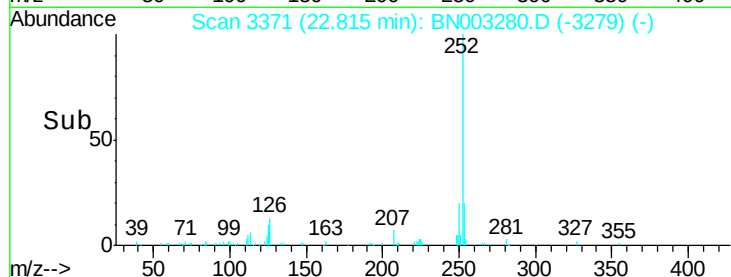
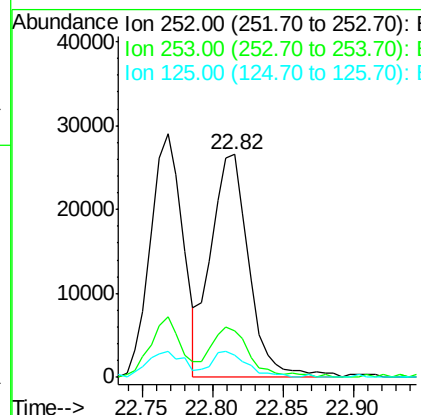
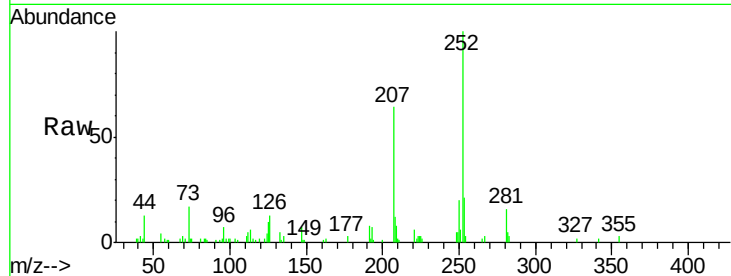
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.0
125	10.2	8.7	13.1

Manual Integrations
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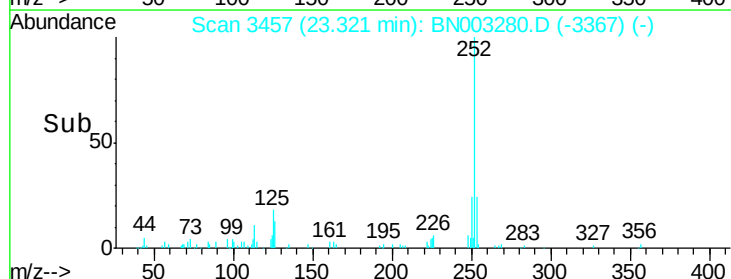
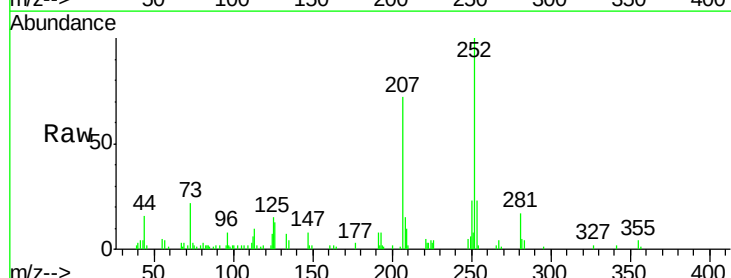
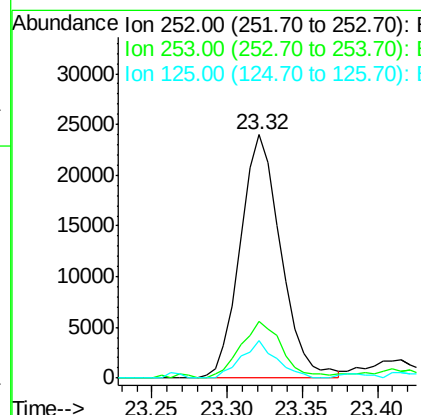
Sohil

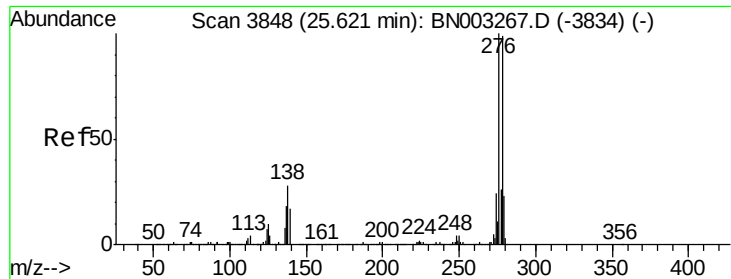
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#90
Benzo(a)pyrene
Concen: 1.061 ng m
RT: 23.32 min Scan# 3457
Delta R.T. -0.00 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	15.2	9.6	14.4#





#91
Dibenzo(a,h)anthracene
Concen: 1.036 ng
RT: 25.65 min Scan# 3853
Delta R.T. 0.03 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

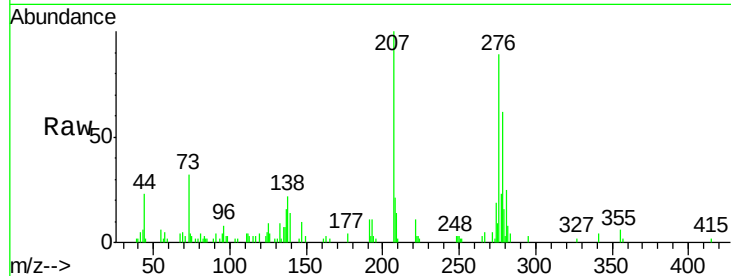
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 278 Resp: 43227
Ion Ratio Lower Upper
278 100
139 22.7 13.9 20.9#
279 25.3 19.0 28.6

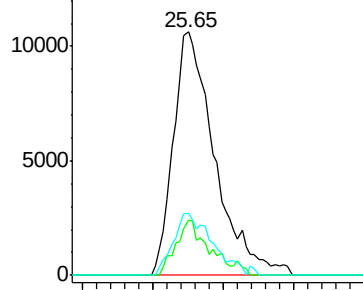
Manual Integrations
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Sohil

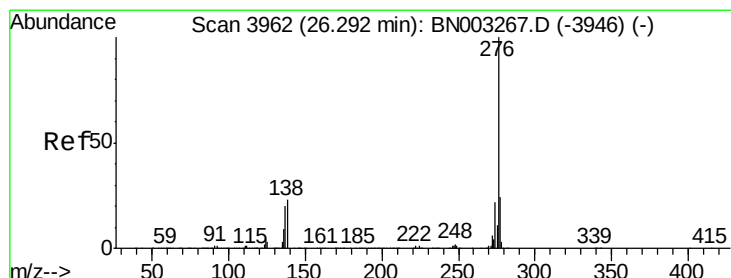
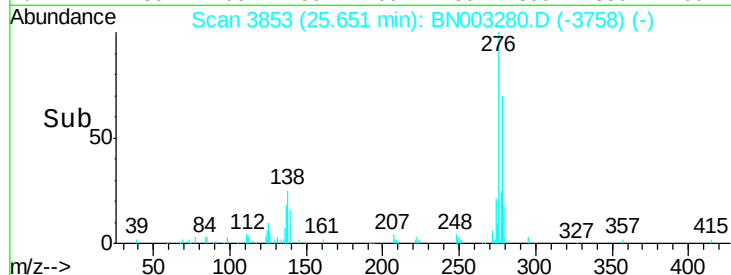
10/25/2018 3:20:14 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



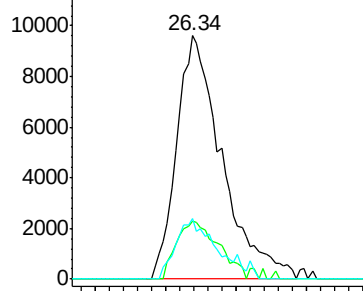
Time--> 25.50 25.60 25.70 25.80



#92
Benzo(g,h,i)perylene
Concen: 1.071 ng
RT: 26.34 min Scan# 3970
Delta R.T. 0.05 min
Lab File: BN003280.D
Acq: 24 Oct 2018 20:17

Tgt Ion: 276 Resp: 42906
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 24.7 18.2 27.4

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



Time--> 26.20 26.30 26.40 26.50

