

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\
 Data File : BM026715.D
 Acq On : 09 Jul 2020 12:35
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
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mohammad
 7/10/2020 11:51:22 AM

Quant Time: Jul 09 13:16:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:30:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	54474	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	237710	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	166369	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	389517	20.00	ng	0.00
76) Chrysene-d12	20.96	240	493862	20.00	ng	0.00
86) Perylene-d12	23.03	264	539729	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	310019	95.39	ng	0.00
7) Phenol-d6	6.53	99	466221	90.04	ng	0.00
23) Nitrobenzene-d5	8.47	82	415903	74.64	ng	0.00
42) 2,4,6-Tribromophenol	15.49	330	236950	97.77	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	902147	72.10	ng	0.00
79) Terphenyl-d14	19.41	244	1429450	56.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	14925	9.558	ng	92
3) Pyridine	3.36	79	23009m	5.152	ng	
4) n-Nitrosodimethylamine	3.27	42	17972	6.723	ng	98
6) Aniline	6.67	93	42125	6.628	ng	96
8) 2-Chlorophenol	6.90	128	25124	6.490	ng	99
9) Benzaldehyde	6.49	77	28023	9.751	ng	93
10) Phenol	6.56	94	33713	6.587	ng	94
11) bis(2-Chloroethyl)ether	6.77	93	26765	6.255	ng	98
12) 1,3-Dichlorobenzene	7.21	146	28413	6.752	ng	96
13) 1,4-Dichlorobenzene	7.36	146	29216	6.821	ng	92
14) 1,2-Dichlorobenzene	7.66	146	29005	6.797	ng	94
15) Benzyl Alcohol	7.59	79	24364	5.499	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.87	45	56579	6.406	ng	96
17) 2-Methylphenol	7.79	107	21701	5.580	ng	96
18) Hexachloroethane	8.37	117	11618	6.829	ng	97
19) n-Nitroso-di-n-propylamine	8.14	70	25931	6.019	ng	97
20) 3+4-Methylphenols	8.12	107	28593	5.347	ng	98
22) Acetophenone	8.15	105	45246	6.698	ng	# 95
24) Nitrobenzene	8.51	77	41024	6.999	ng	97
25) Isophorone	9.04	82	64787	6.064	ng	97
26) 2-Nitrophenol	9.22	139	11242	5.196	ng	91
27) 2,4-Dimethylphenol	9.30	122	23881	6.788	ng	96
28) bis(2-Chloroethoxy)methane	9.53	93	38512	6.525	ng	94
29) 2,4-Dichlorophenol	9.76	162	22866	5.902	ng	99
30) 1,2,4-Trichlorobenzene	9.95	180	29007	6.711	ng	92
31) Naphthalene	10.13	128	87015	6.581	ng	99
32) Benzoic acid	9.41	122	4191	8.269	ng	98
33) 4-Chloroaniline	10.27	127	33179	5.737	ng	# 93
34) Hexachlorobutadiene	10.42	225	19141	6.687	ng	94
35) Caprolactam	11.04	113	7192	5.241	ng	98
36) 4-Chloro-3-methylphenol	11.40	107	28852	5.892	ng	94
37) 2-Methylnaphthalene	11.76	142	63387	6.472	ng	90
38) 1-Methylnaphthalene	11.98	142	61551	6.560	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	35466	6.594	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	10962	9.472	ng	93
43) 2,4,6-Trichlorophenol	12.40	196	19288	5.475	ng	97
44) 2,4,5-Trichlorophenol	12.48	196	22253	5.375	ng	96
46) 1,1'-Biphenyl	12.80	154	90221	6.865	ng	98
47) 2-Chloronaphthalene	12.84	162	66541	6.268	ng	99
48) 2-Nitroaniline	13.07	65	21681	4.963	ng	93
49) Acenaphthylene	13.70	152	104156	6.137	ng	100
50) Dimethylphthalate	13.46	163	89543	6.292	ng	98
51) 2,6-Dinitrotoluene	13.58	165	18158	5.959	ng	94
52) Acenaphthene	14.05	154	64158	6.220	ng	99
53) 3-Nitroaniline	13.92	138	15308	4.829	ng	90
54) 2,4-Dinitrophenol	14.15	184	3777	7.918	ng	91
55) Dibenzofuran	14.39	168	107752	6.372	ng	99
56) 4-Nitrophenol	14.27	139	9321	7.120	ng	94
57) 2,4-Dinitrotoluene	14.39	165	23910	5.437	ng	# 81
58) Fluorene	15.04	166	85298	6.092	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.63	232	22376	6.189	ng	98
60) Diethylphthalate	14.84	149	94033	6.249	ng	100
61) 4-Chlorophenyl-phenylether	15.05	204	47447	6.255	ng	99
62) 4-Nitroaniline	15.10	138	15673m	7.096	ng	
63) Azobenzene	15.34	77	102949	6.229	ng	94
65) 4,6-Dinitro-2-methylphenol	15.16	198	10619	7.900	ng	89
66) n-Nitrosodiphenylamine	15.27	169	75253	6.079	ng	99
67) 4-Bromophenyl-phenylether	15.95	248	28906	5.962	ng	96
68) Hexachlorobenzene	16.06	284	32646	6.398	ng	99
69) Atrazine	16.24	200	27585	7.411	ng	100
70) Pentachlorophenol	16.42	266	13027	4.513	ng	# 87
71) Phenanthrene	16.79	178	148857	6.473	ng	99
72) Anthracene	16.88	178	146064	6.381	ng	99
73) Carbazole	17.16	167	126056	5.776	ng	99
74) Di-n-butylphthalate	17.74	149	157512	5.740	ng	99
75) Fluoranthene	18.82	202	180076	6.358	ng	99
77) Benzidine	19.03	184	59383	6.099	ng	99
78) Pyrene	19.19	202	190600	6.127	ng	99
80) Butylbenzylphthalate	20.12	149	75800	5.429	ng	99
81) Benzo(a)anthracene	20.95	228	212197	6.397	ng	100
82) 3,3'-Dichlorobenzidine	20.90	252	69456	6.597	ng	98
83) Chrysene	21.00	228	209263	6.481	ng	98
84) Bis(2-ethylhexyl)phthalate	20.92	149	124733	5.577	ng	99
85) Di-n-octyl phthalate	21.76	149	213521	5.585	ng	96
87) Indeno(1,2,3-cd)pyrene	25.03	276	260177	6.771	ng	99
88) Benzo(b)fluoranthene	22.43	252	225870	6.351	ng	99
89) Benzo(k)fluoranthene	22.47	252	228758	6.558	ng	100
90) Benzo(a)pyrene	22.94	252	202085	6.121	ng	99
91) Dibenzo(a,h)anthracene	25.04	278	218919	6.749	ng	99
92) Benzo(g,h,i)perylene	25.64	276	215863	7.223	ng	98

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

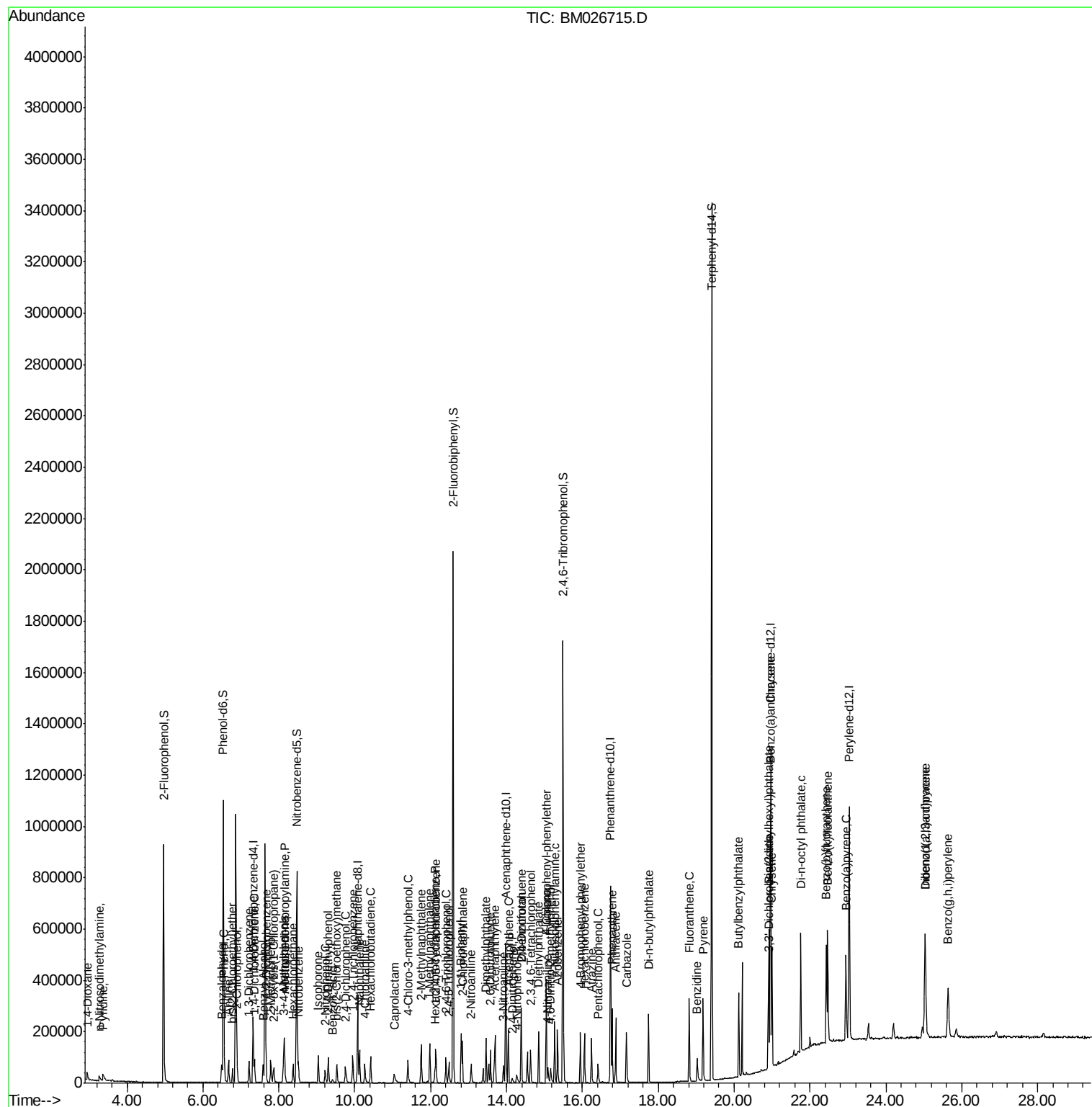
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ALS Vial : 5 Sample Multiplier: 1

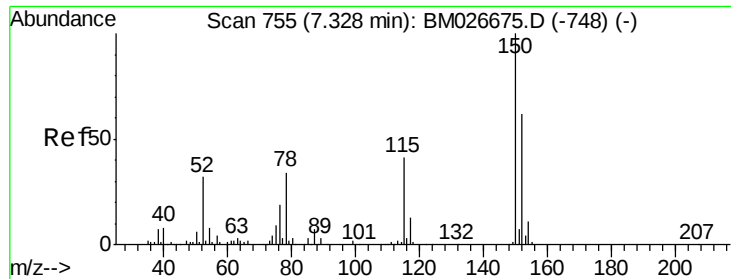
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:30:08 2020
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#1

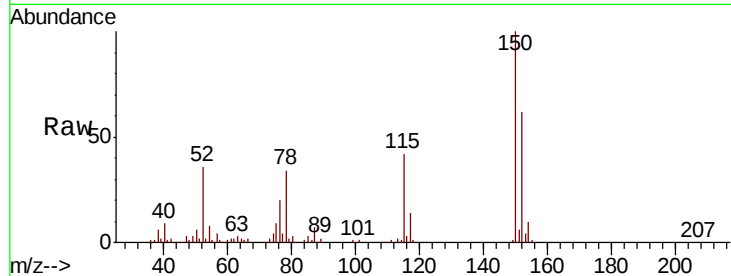
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.32 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	128.1	192.1
115	67.2	52.2	78.4

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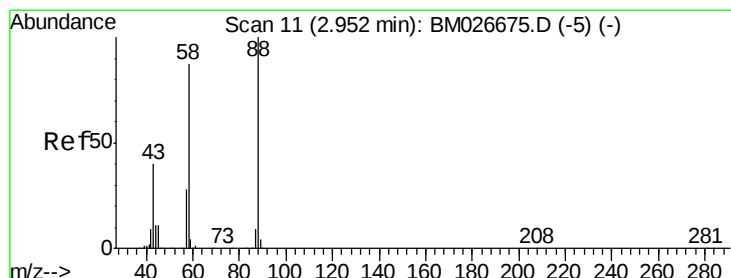
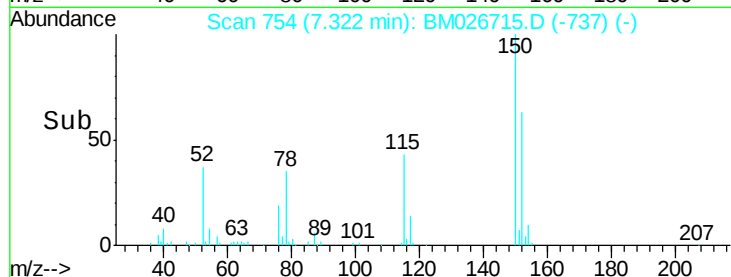
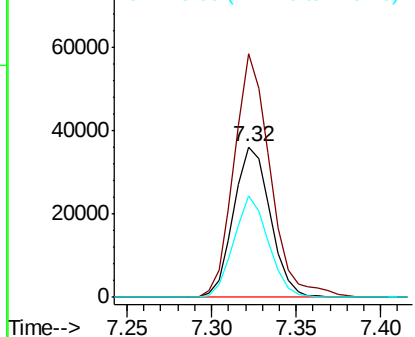


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

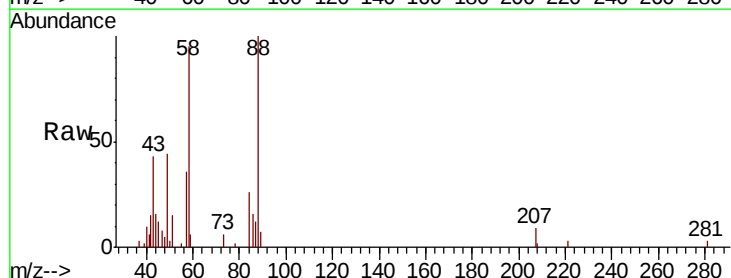
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 9.558 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.0	73.2	109.8
43	40.2	34.3	51.5

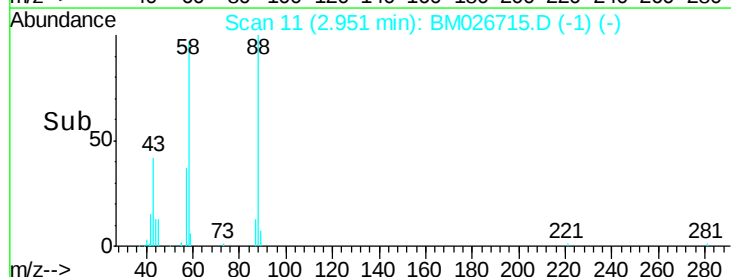
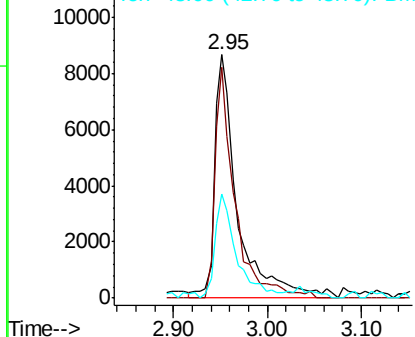


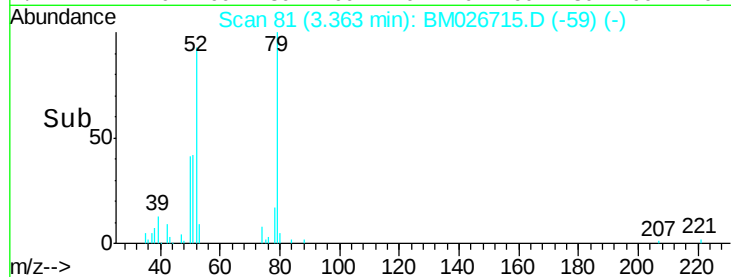
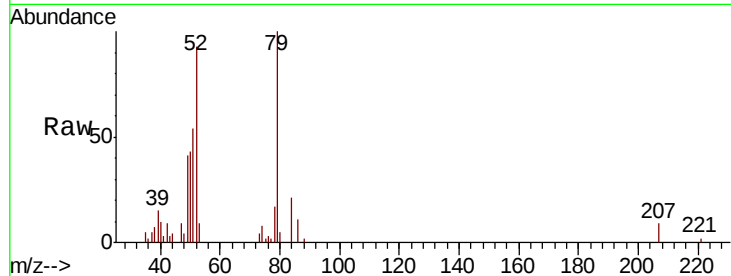
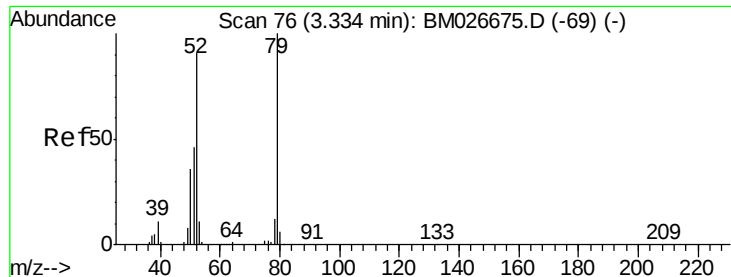
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





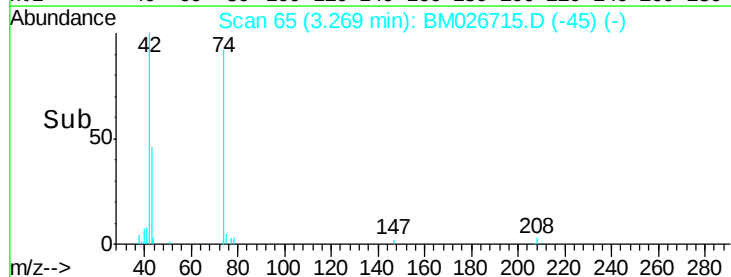
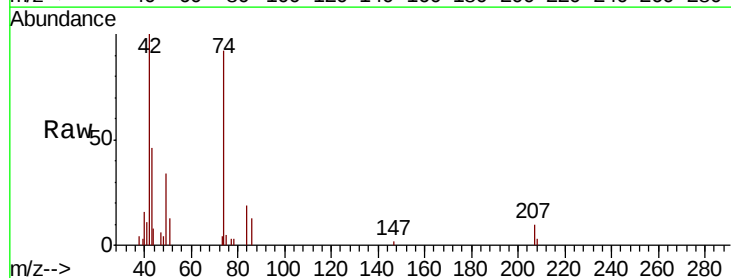
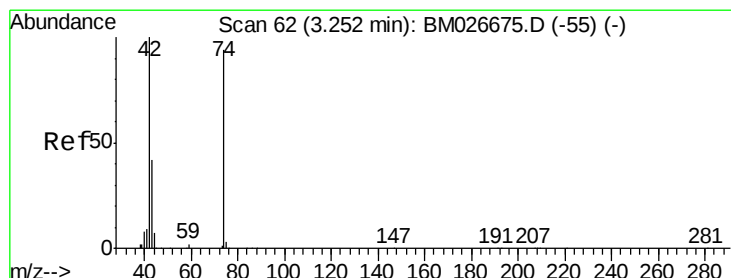
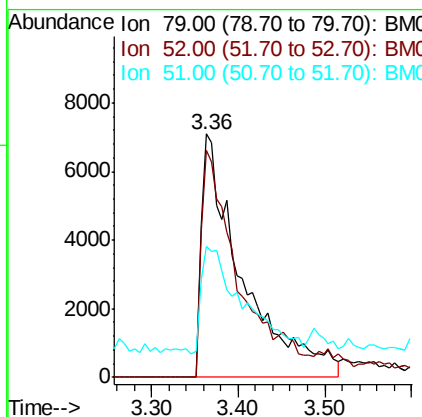
#3
Pvridine
Concen: 5.152 ng m
RT: 3.36 min Scan# 81
Delta R.T. 0.03 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tot Ion:	79	Resp:	23009
Ion	Ratio	Lower	Upper
79	100		
52	93.1	72.9	109.3
51	53.7	37.6	56.4

Instrument :
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ClientSampleId :
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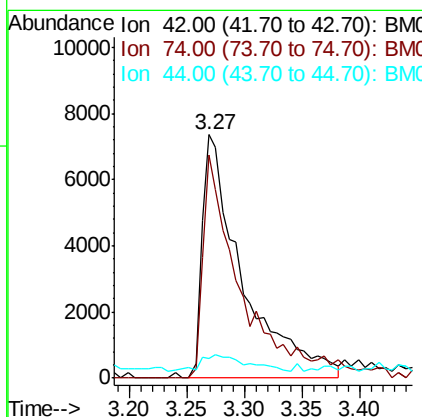
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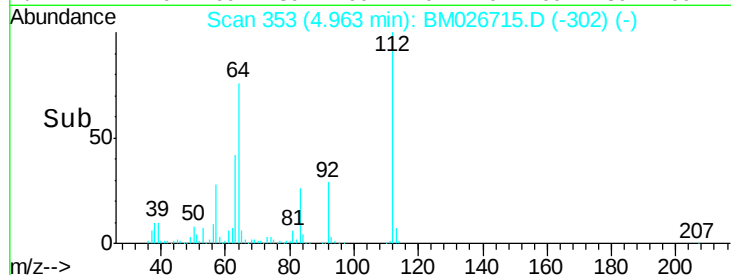
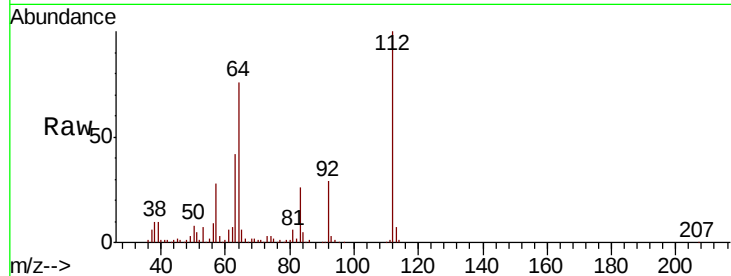
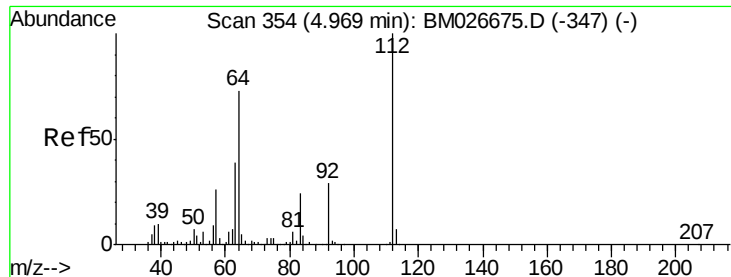
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#4
n-Nitrosodimethylamine
Concen: 6.723 ng
RT: 3.27 min Scan# 65
Delta R.T. 0.02 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion:	42	Resp:	17972
Ion	Ratio	Lower	Upper
42	100		
74	91.7	75.1	112.7
44	8.0	5.7	8.5





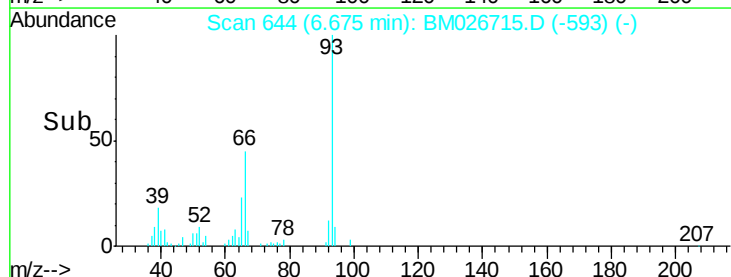
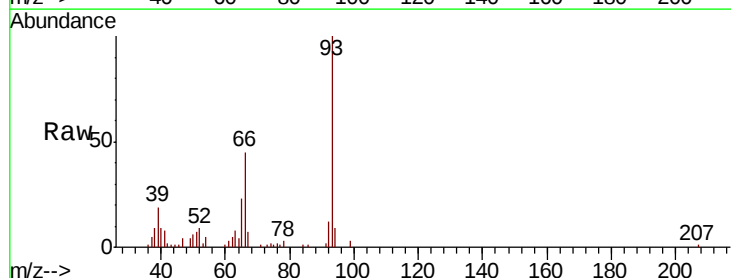
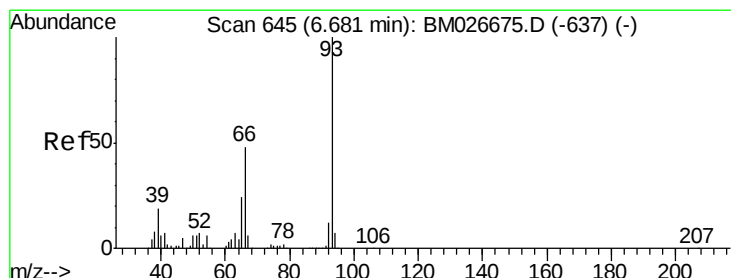
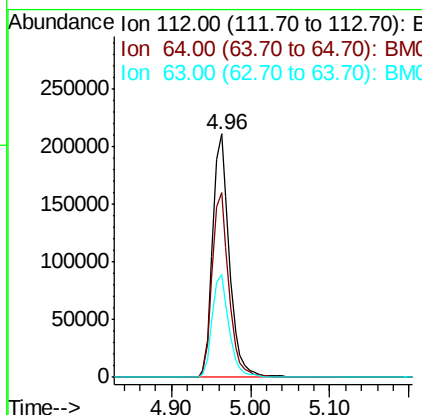
#5
2-Fluorophenol
Concen: 95.389 ng
RT: 4.96 min Scan# 353
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	75.7	58.4	87.6
63	42.1	31.5	47.3

Instrument :
BNA_M
ClientSampleId :
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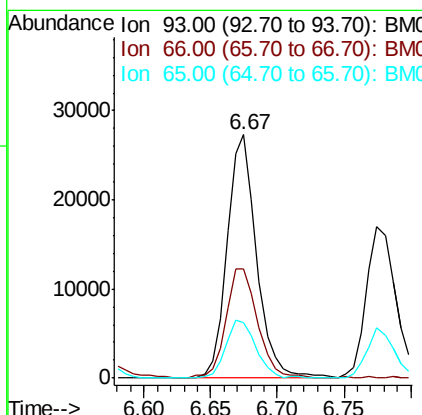
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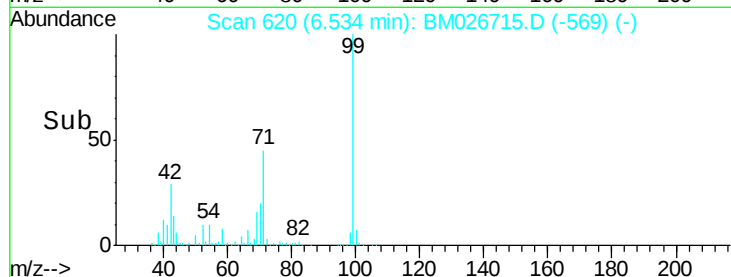
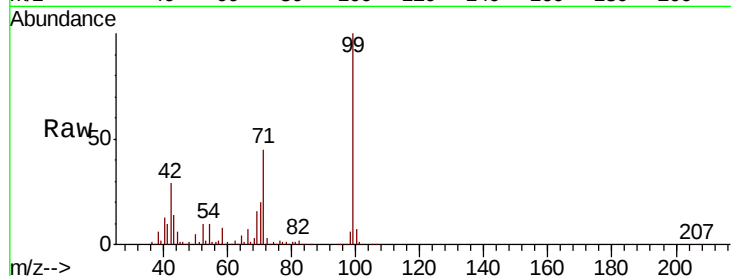
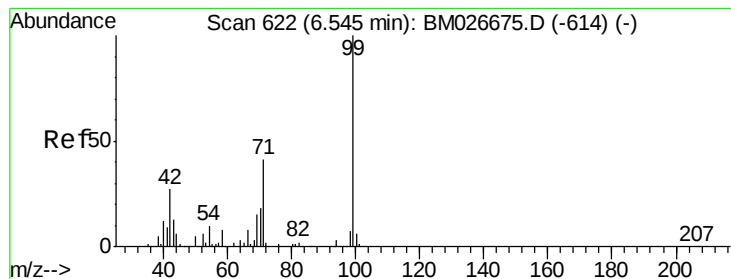
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#6
Aniline
Concen: 6.628 ng
RT: 6.67 min Scan# 644
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	45.0	38.2	57.4
65	22.8	19.6	29.4





#7

Phenol-d6

Concen: 90.036 ng

RT: 6.53 min Scan# 620

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tot Ion:	99	Resp:	466221
Ion Ratio	Lower	Upper	
99	100		
42	28.8	21.7	32.5
71	45.3	33.2	49.8

Instrument :

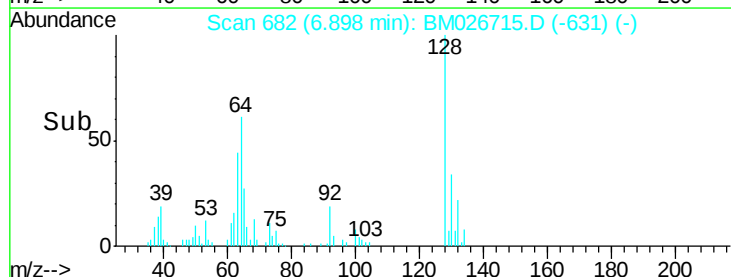
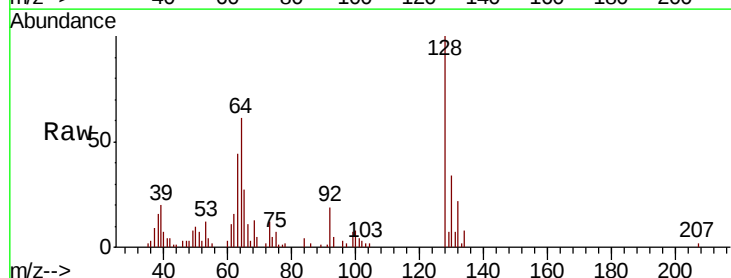
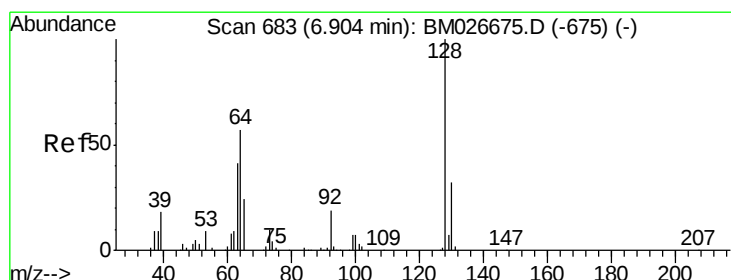
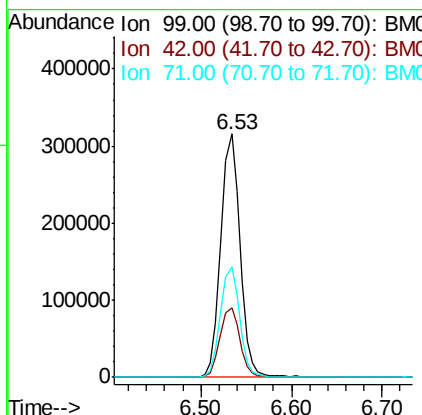
BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2020

Manual Integrations
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#8

2-Chlorophenol

Concen: 6.490 ng

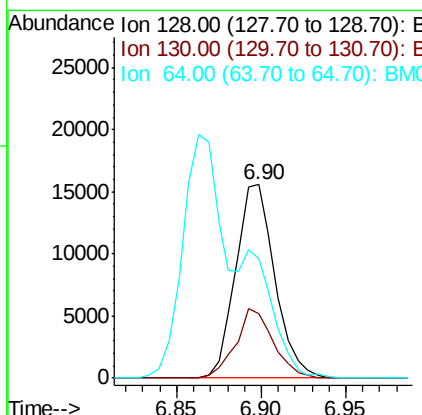
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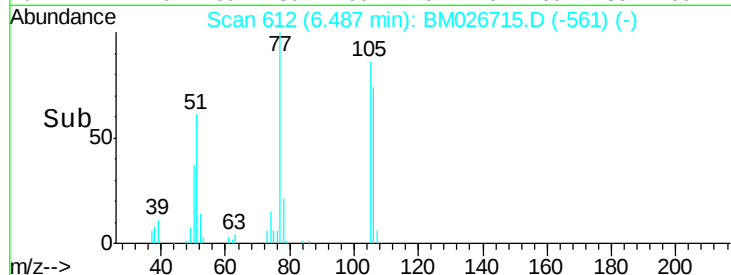
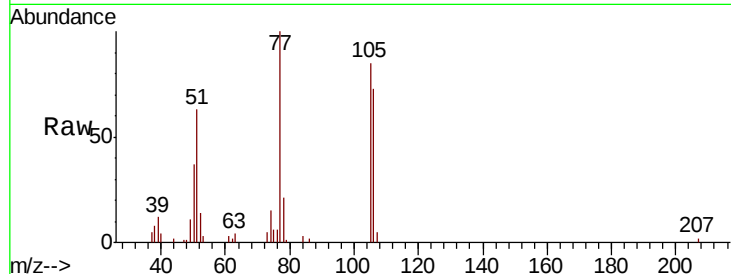
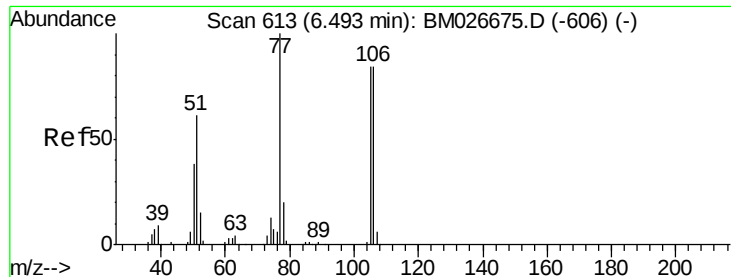
Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	128	Resp:	25124
Ion Ratio	Lower	Upper	
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130	33.6	12.2	52.2
64	61.4	41.4	81.4





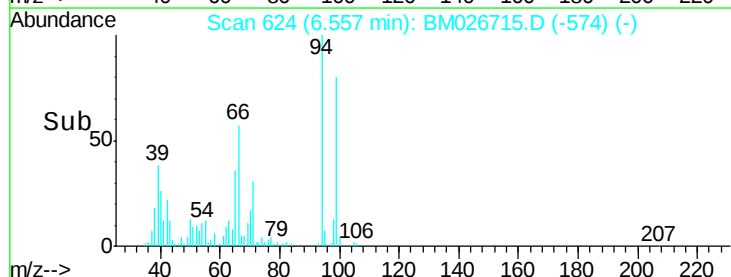
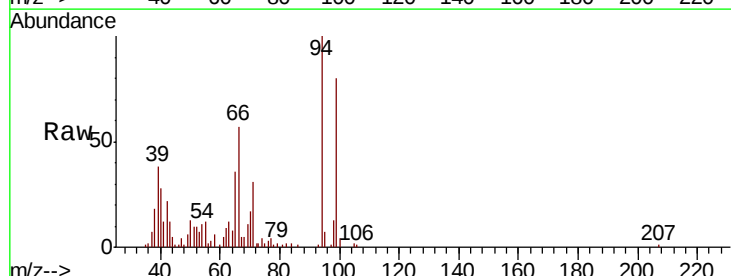
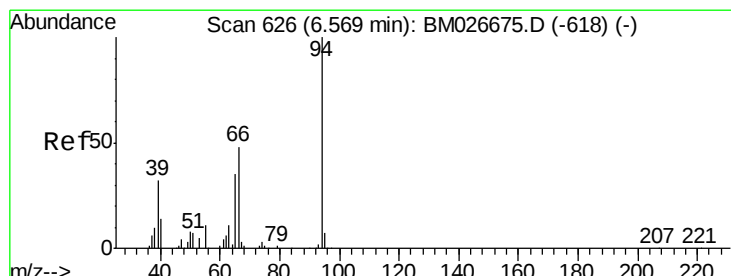
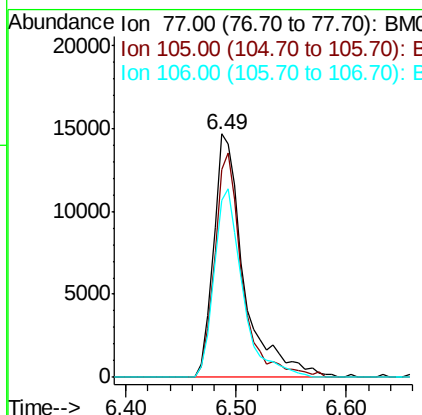
#9
Benzaldehydve
Concen: 9.751 ng
RT: 6.49 min Scan# 612
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tot Ion	Ratio	Lower	Upper
77	100		
105	85.2	64.4	104.4
106	72.8	64.3	104.3

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

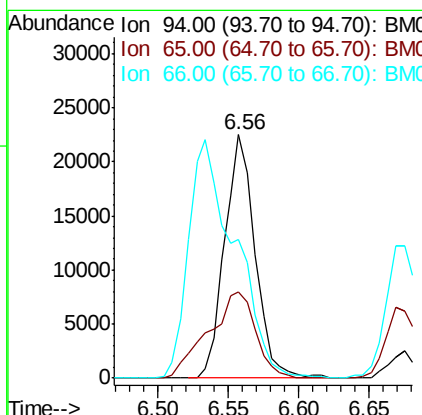
Manual Integrations
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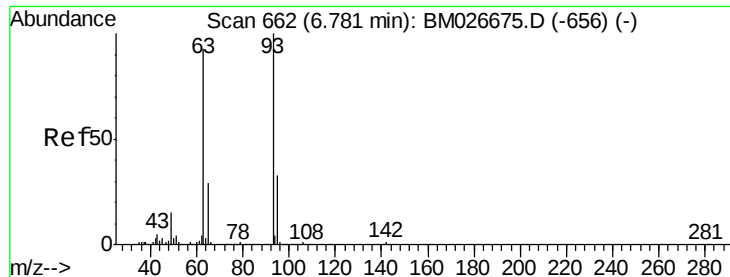
mohammad
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#10
Phenol
Concen: 6.587 ng
RT: 6.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
94	100		
65	35.5	15.5	55.5
66	56.7	29.8	69.8





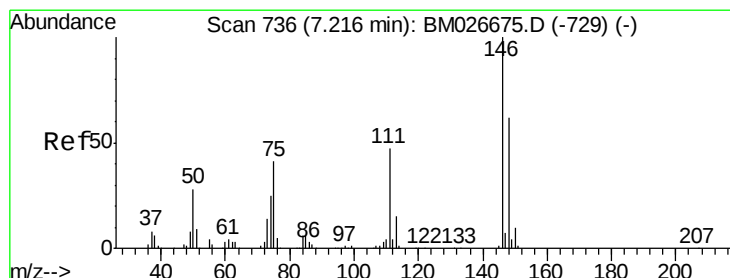
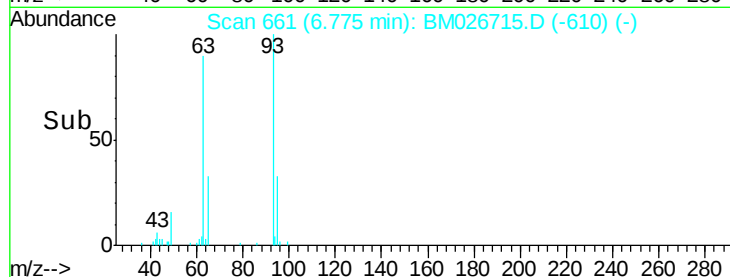
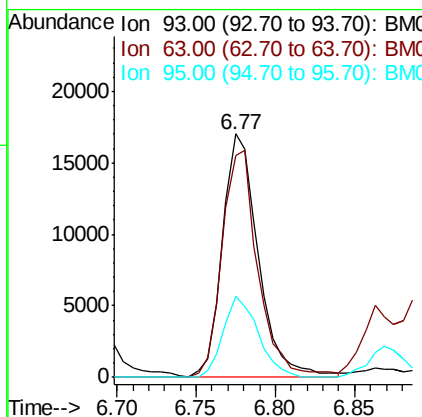
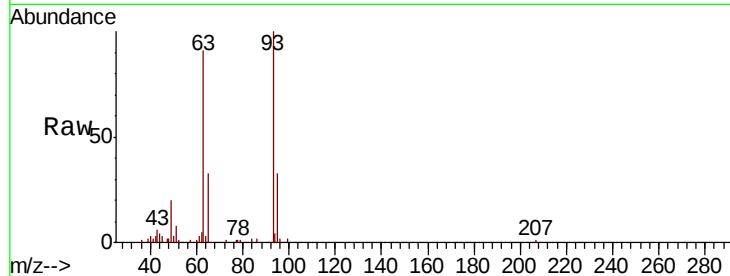
#11
bis(2-Chloroethyl)ether
Concen: 6.255 ng
RT: 6.77 min Scan# 661
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	93	Resp	26765
Ion Ratio	Lower	Upper	
93	100		
63	90.9	72.6	112.6
95	33.0	12.3	52.3

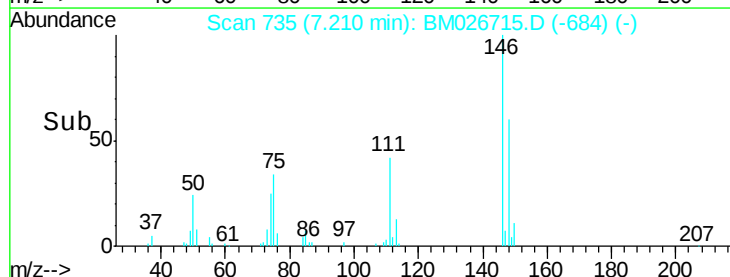
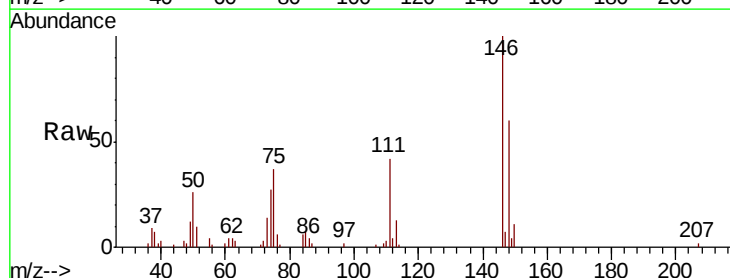
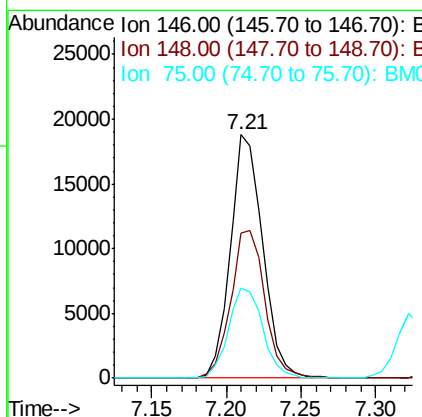
Manual Integrations
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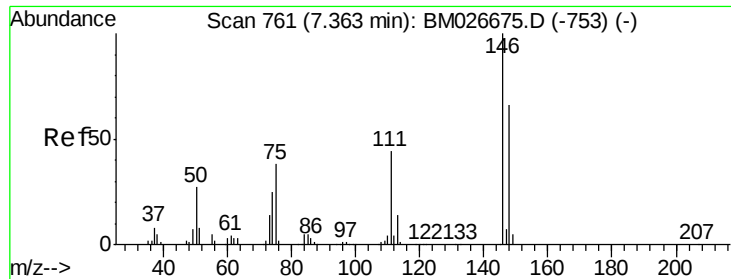
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#12
1,3-Dichlorobenzene
Concen: 6.752 ng
RT: 7.21 min Scan# 735
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	146	Resp	28413
Ion Ratio	Lower	Upper	
146	100		
148	59.5	49.7	74.5
75	37.2	32.7	49.1





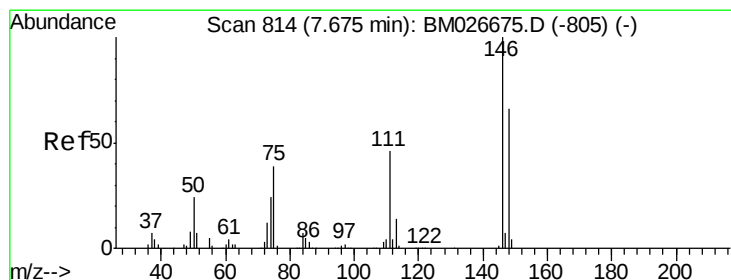
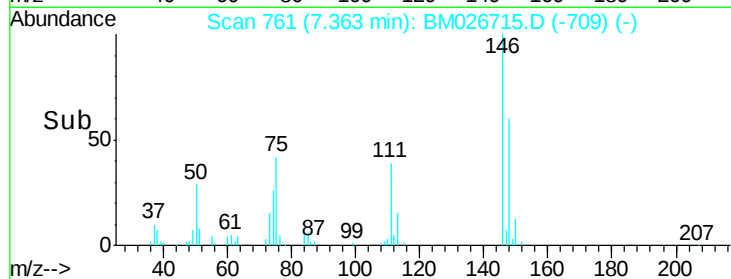
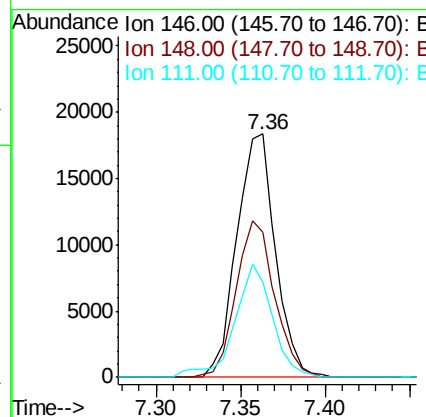
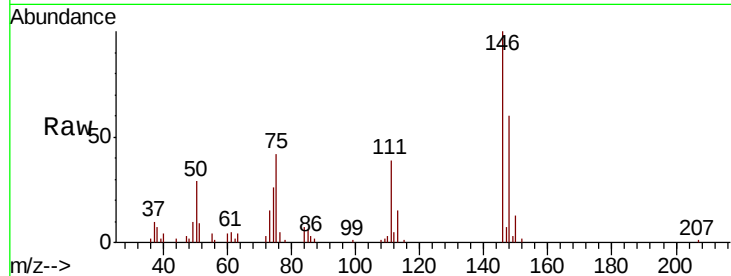
#13
 1,4-Dichlorobenzene
 Concen: 6.821 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	59.8	52.4	78.6
111	39.1	35.6	53.4

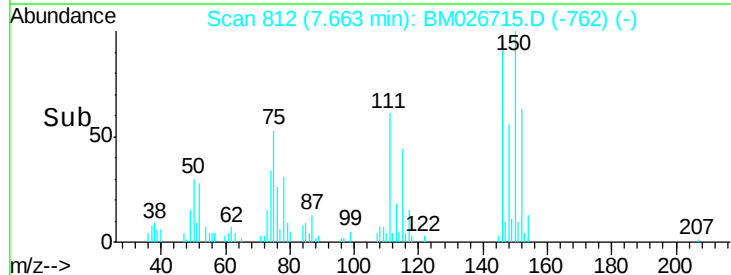
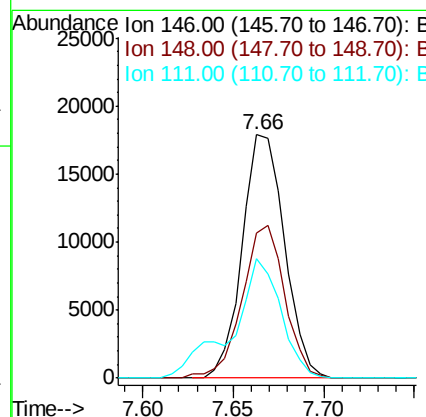
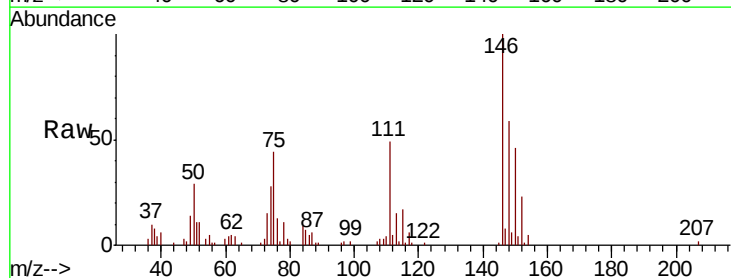
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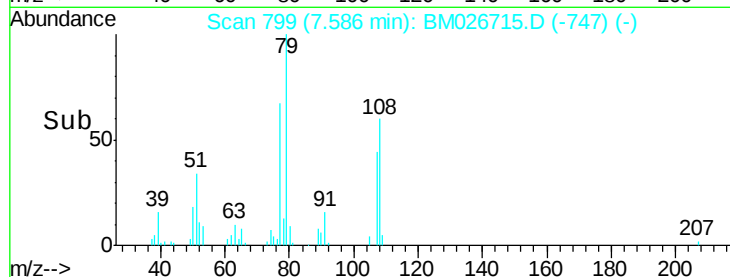
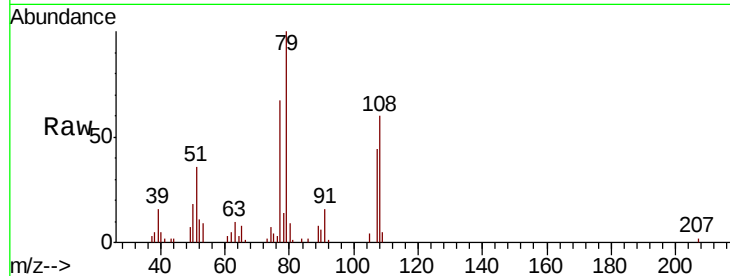
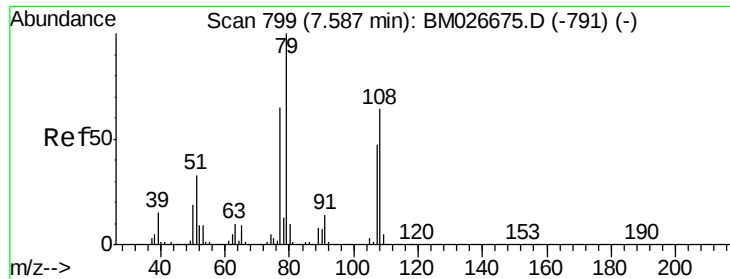
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#14
 1,2-Dichlorobenzene
 Concen: 6.797 ng
 RT: 7.66 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.3	52.6	78.8
111	49.3	37.2	55.8





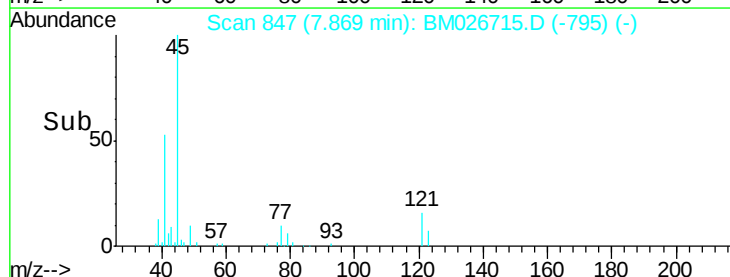
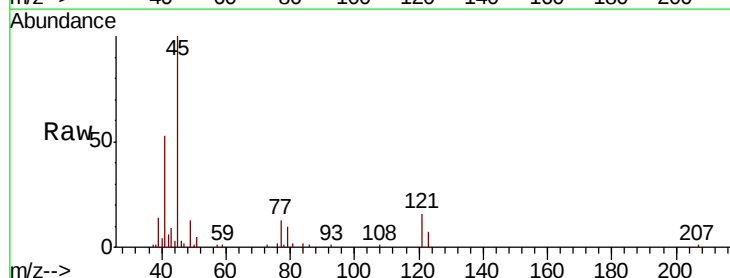
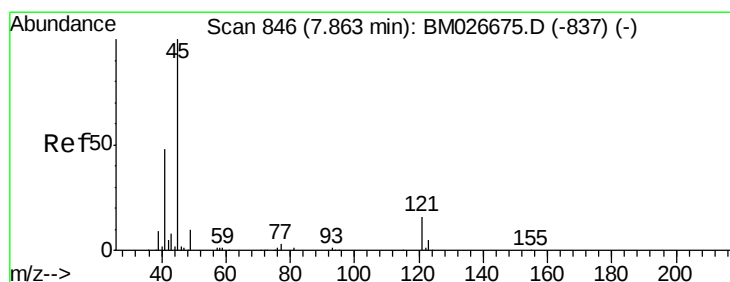
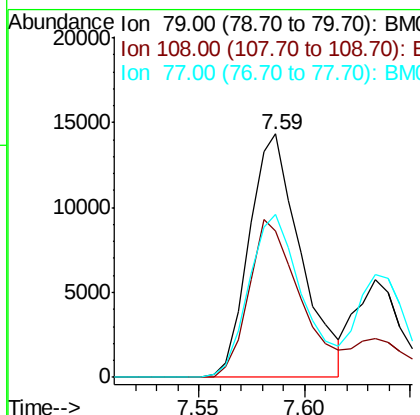
#15
Benzyl Alcohol
Concen: 5.499 ng
RT: 7.59 min Scan# 799
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tot Ion	Ratio	Lower	Upper
79	100		
108	60.2	51.0	76.4
77	66.8	52.1	78.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

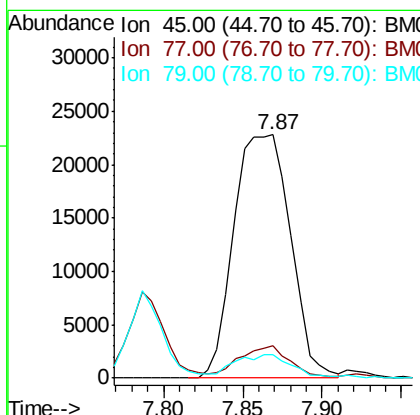
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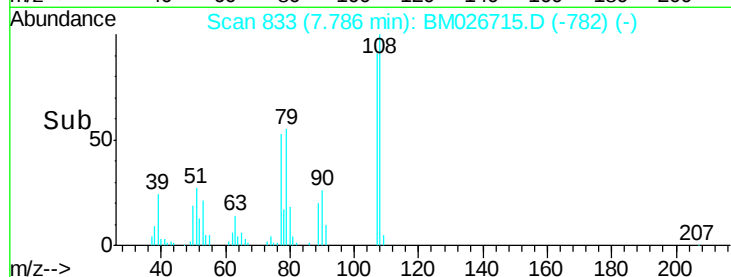
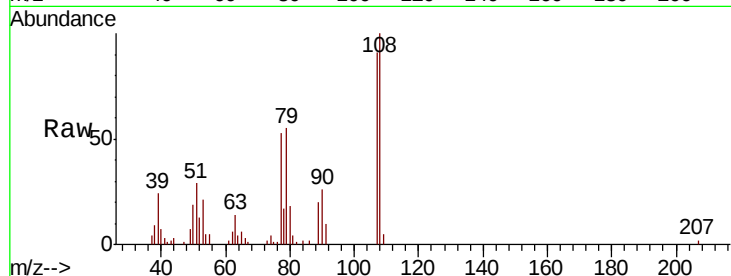
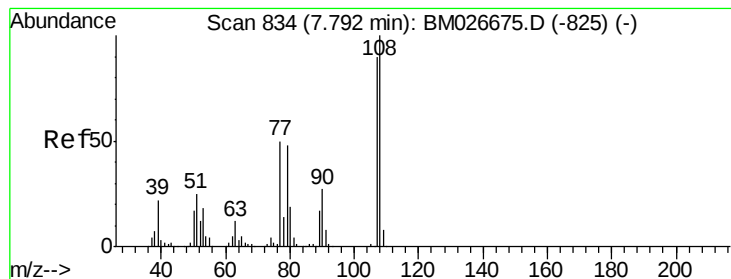
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.406 ng
RT: 7.87 min Scan# 847
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	31.4
79	9.7	0.0	28.4





#17

2-Methylphenol

Concen: 5.580 ng

RT: 7.79 min Scan# 833

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tot Ion	107	Resp	21701
Ion Ratio	Lower	Upper	
107	100		
108	110.4	89.4	134.0
77	59.0	45.2	67.8
79	60.5	42.8	64.2

Instrument :

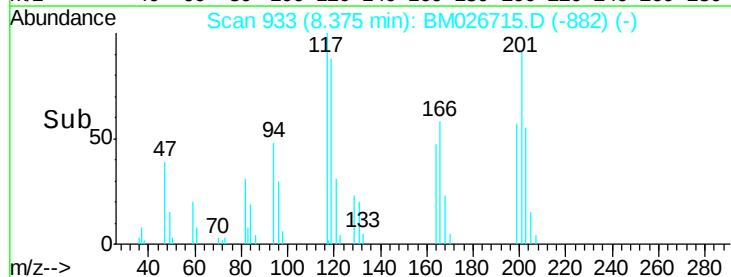
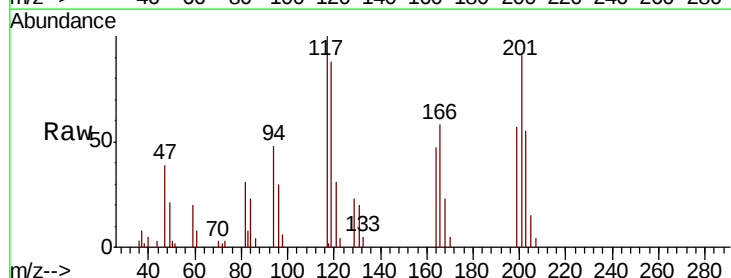
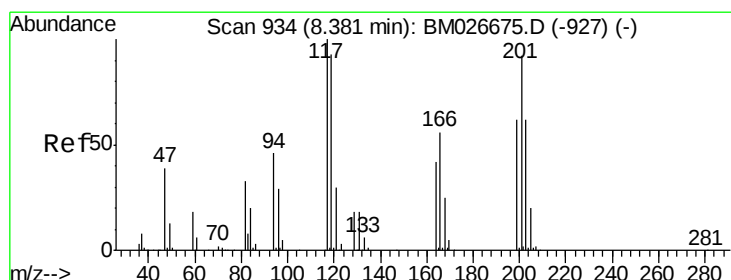
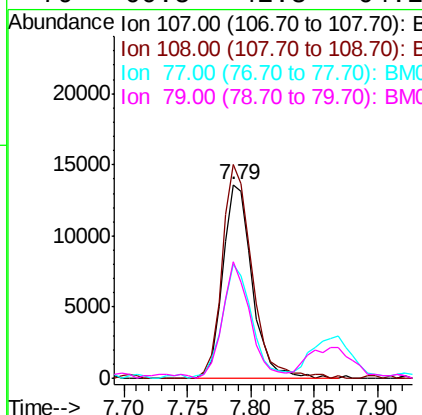
BNA_M

ClientSampleId :

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#18

Hexachloroethane

Concen: 6.829 ng

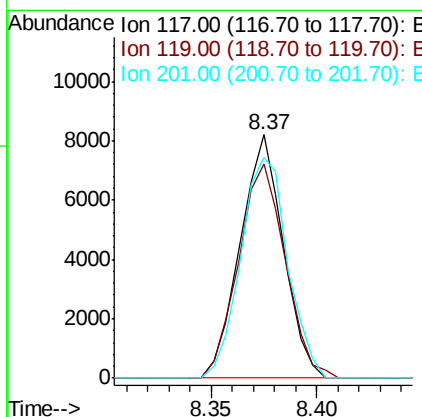
RT: 8.37 min Scan# 933

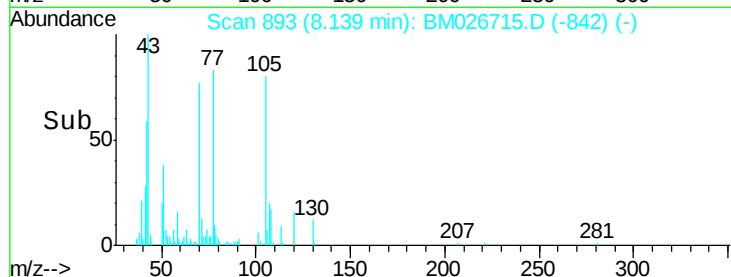
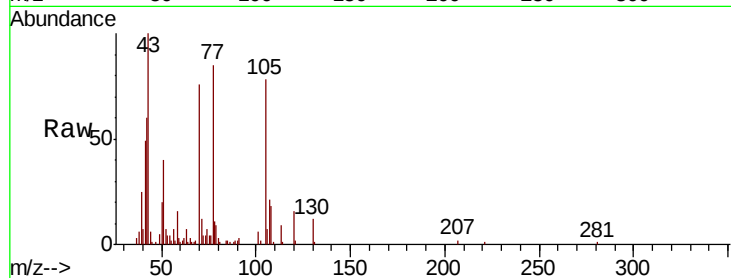
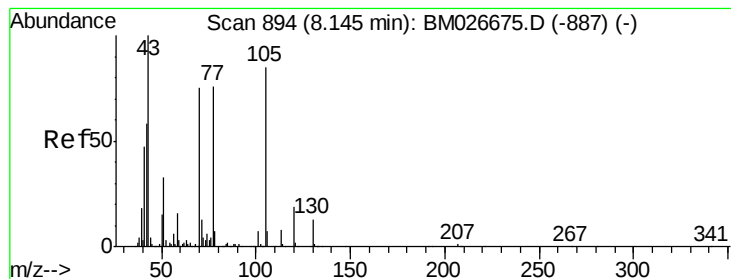
Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion	117	Resp	11618
Ion Ratio	Lower	Upper	
117	100		
119	87.7	74.2	111.2
201	90.5	73.6	110.4





#19

n-Nitroso-di-n-propylamine

Concen: 6.019 ng

RT: 8.14 min Scan# 893

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

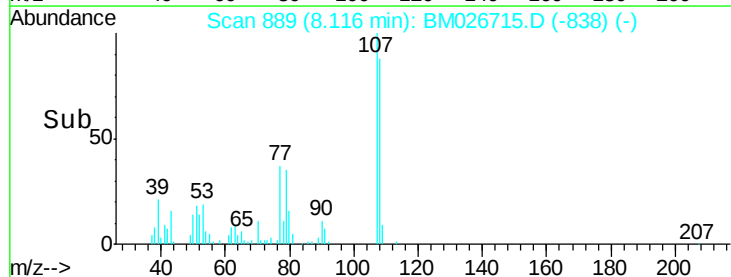
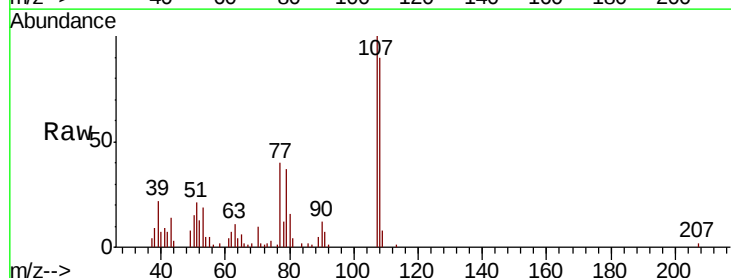
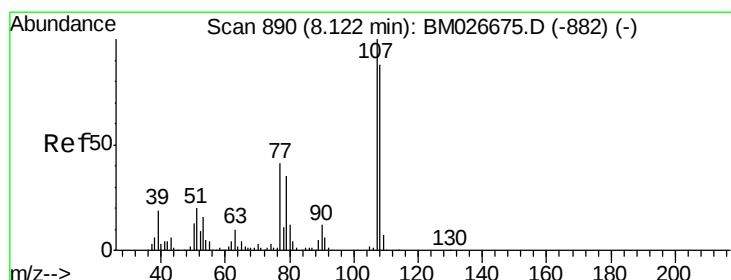
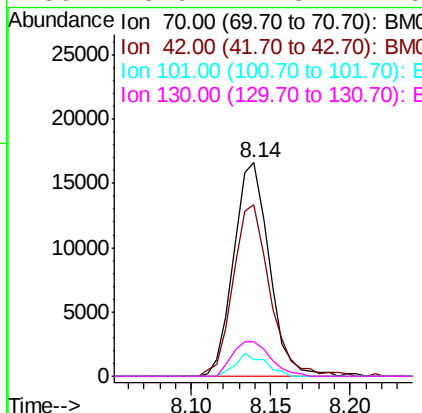
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	80.1	62.3	93.5
101	7.9	7.1	10.7
130	15.9	14.3	21.5

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#20

3+4-Methylphenols

Concen: 5.347 ng

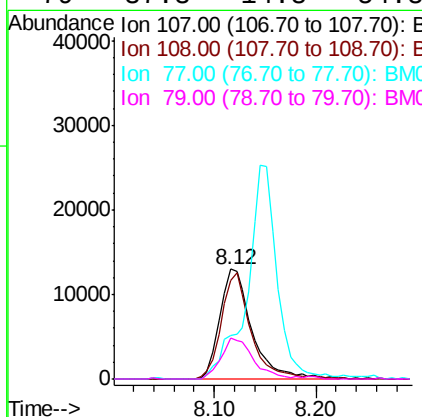
RT: 8.12 min Scan# 889

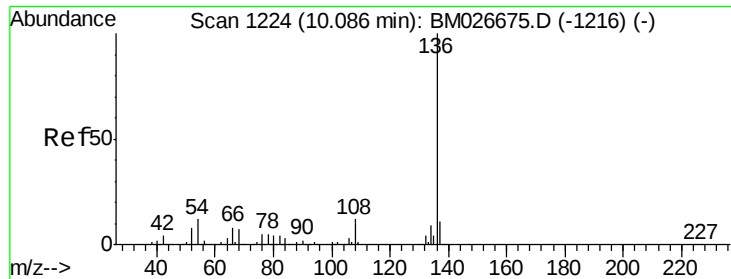
Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.5	108.5
77	39.7	20.8	60.8
79	37.3	14.8	54.8





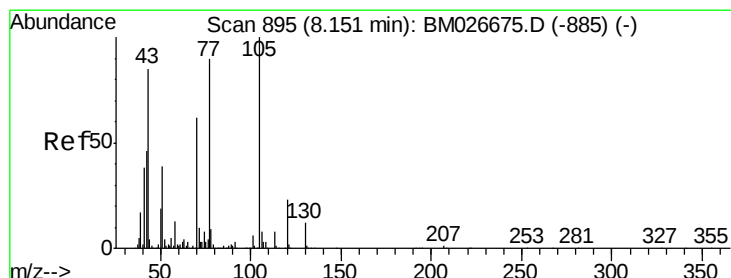
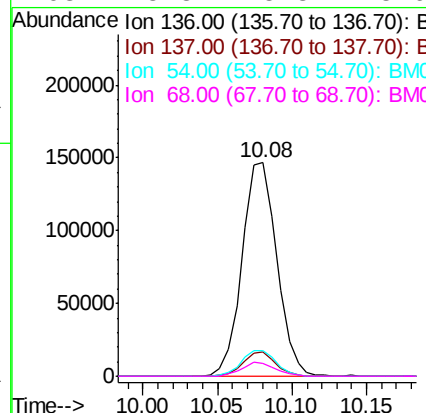
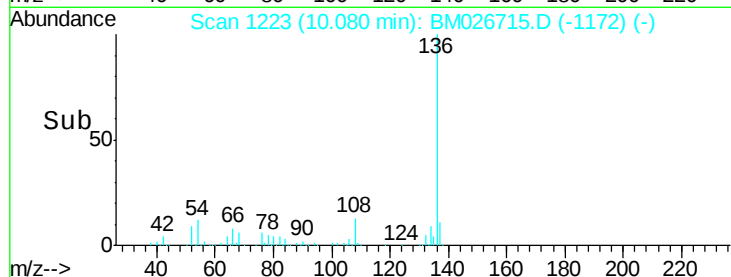
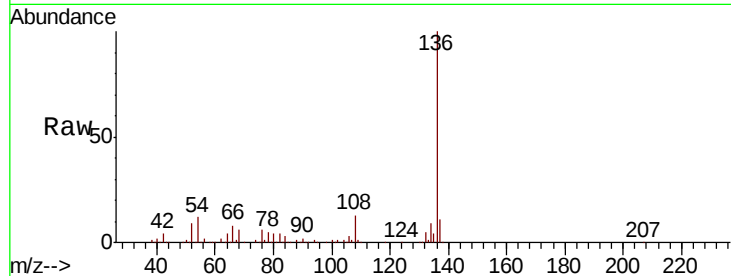
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	237710		
137	11.3	8.6	12.8	
54	12.2	9.8	14.6	
68	5.8	5.8	8.6	

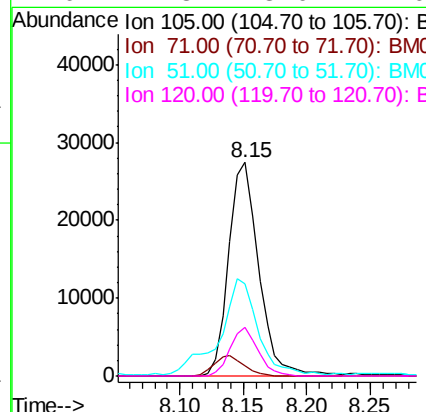
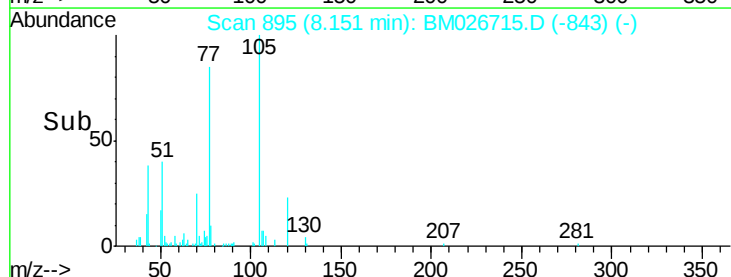
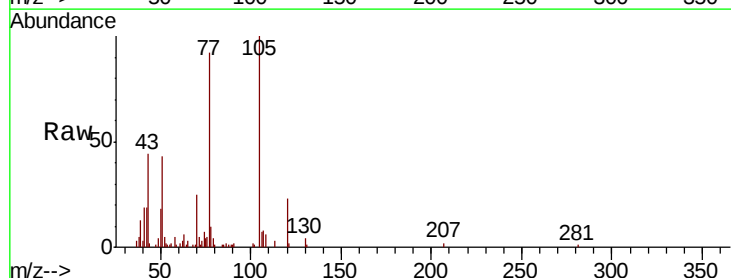
Manual Integrations
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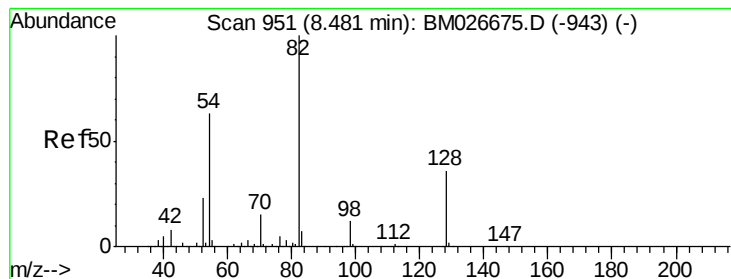
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#22
Acetophenone
Concen: 6.698 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	45246		
71	4.6	8.1	12.1#	
51	43.2	31.9	47.9	
120	22.8	18.0	27.0	





#23

Nitrobenzene-d5

Concen: 74.644 ng

RT: 8.47 min Scan# 950

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

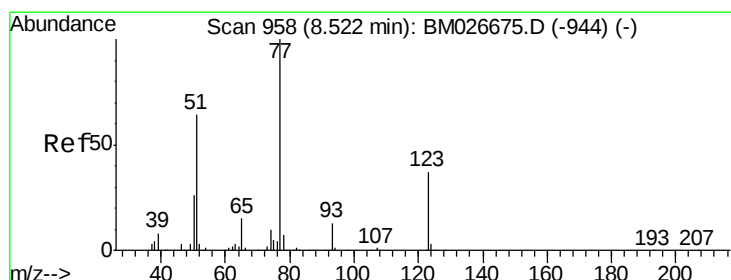
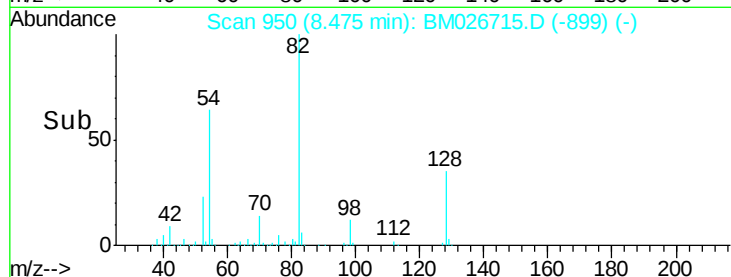
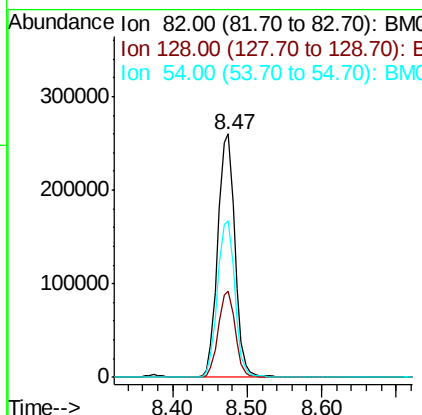
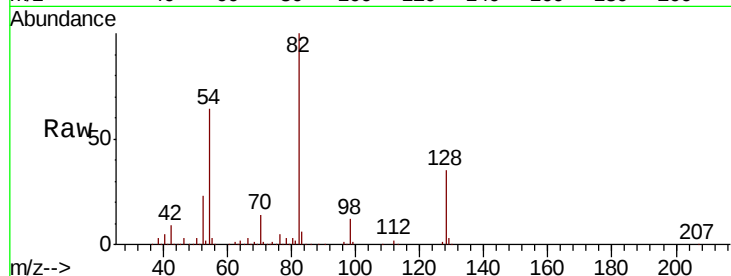
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	82	Resp:	415903
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.1	43.7
54	64.4	50.2	75.4

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#24

Nitrobenzene

Concen: 6.999 ng

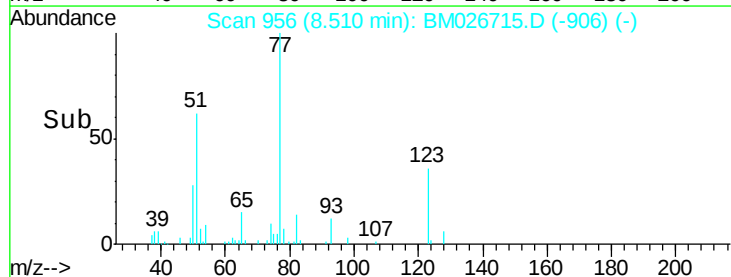
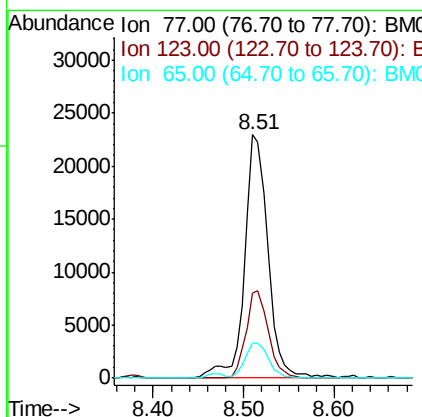
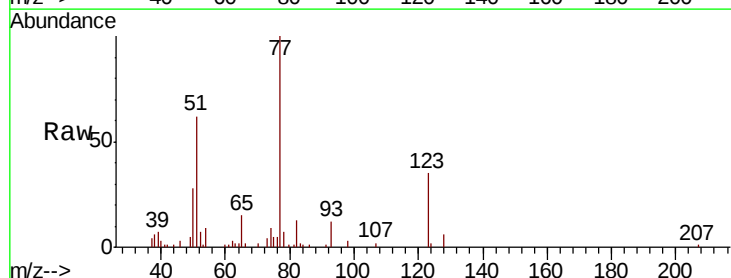
RT: 8.51 min Scan# 956

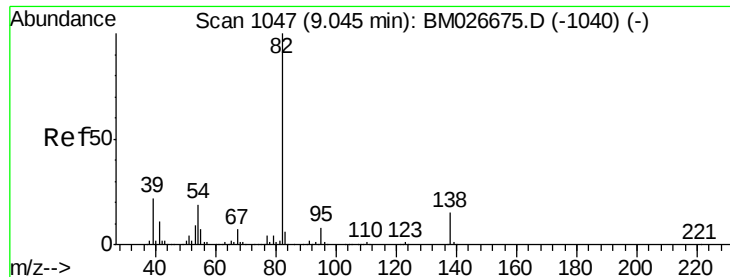
Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	77	Resp:	41024
Ion	Ratio	Lower	Upper
77	100		
123	35.0	29.8	44.6
65	14.6	12.2	18.4





#25

Isophorone

Concen: 6.064 ng

RT: 9.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

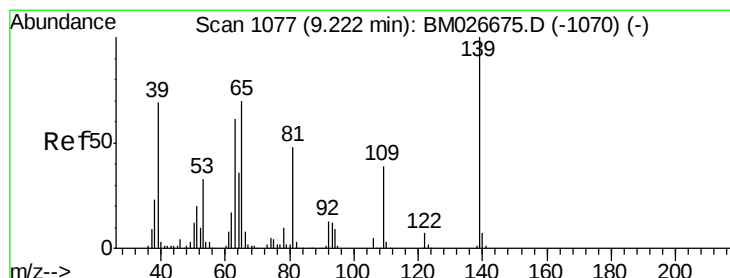
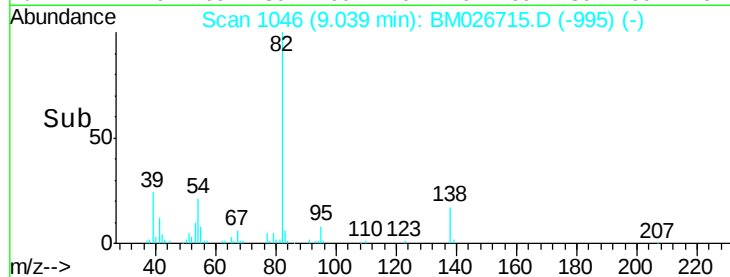
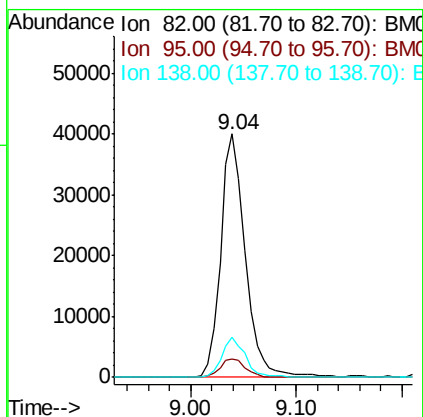
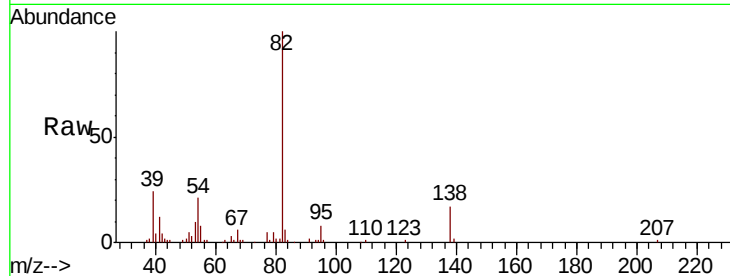
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	82	Resp:	64787
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.3	9.5
138	16.7	12.0	18.0

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#26

2-Nitrophenol

Concen: 5.196 ng

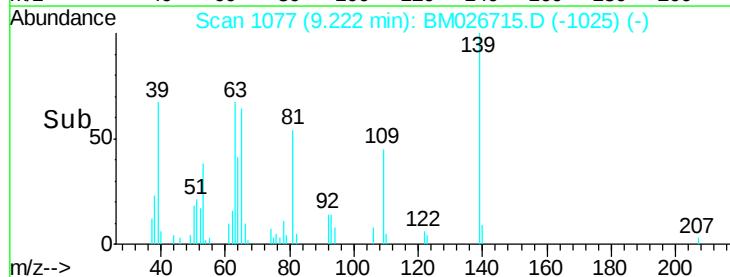
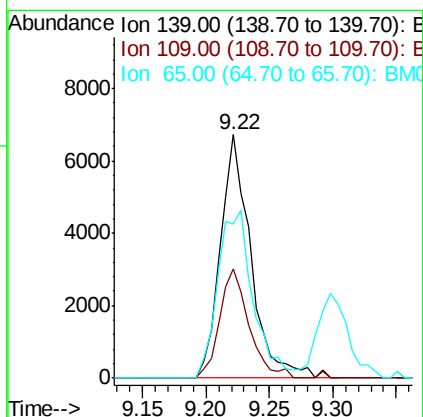
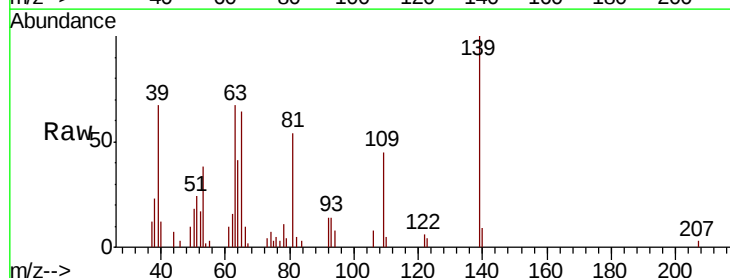
RT: 9.22 min Scan# 1077

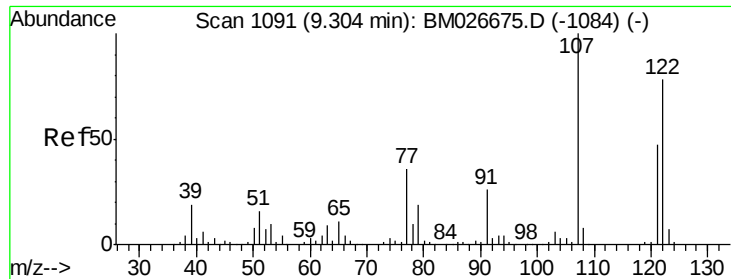
Delta R.T. 0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	139	Resp:	11242
Ion Ratio	Lower	Upper	
139	100		
109	44.7	30.8	46.2
65	63.5	56.2	84.4





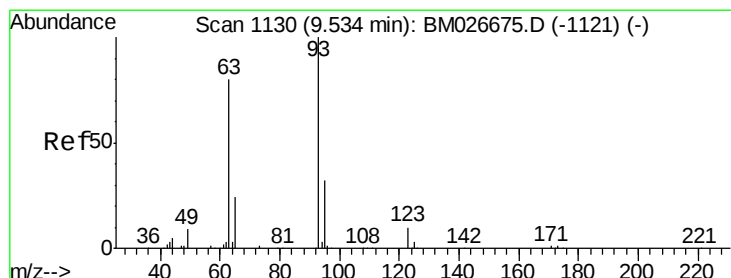
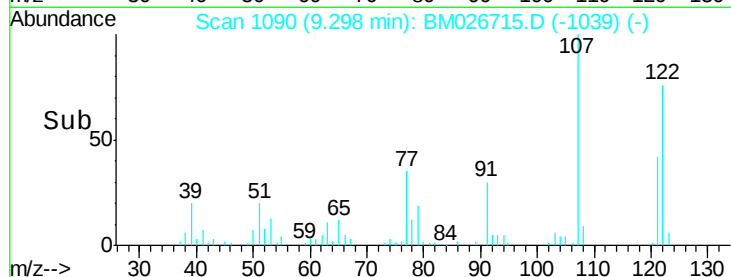
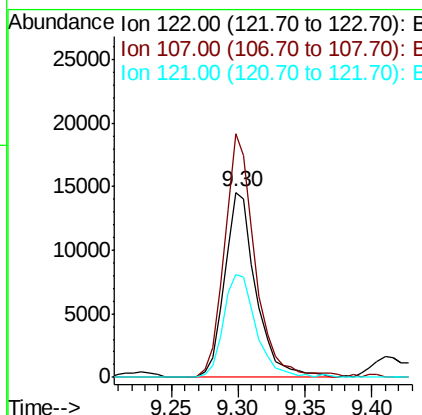
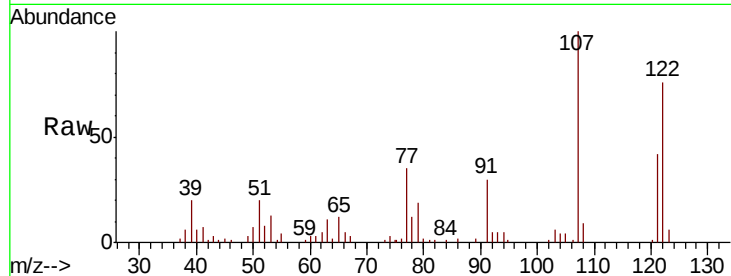
#27
2,4-Dimethylphenol
Concen: 6.788 ng
RT: 9.30 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	131.4	102.1	153.1		
121	55.4	48.2	72.2		

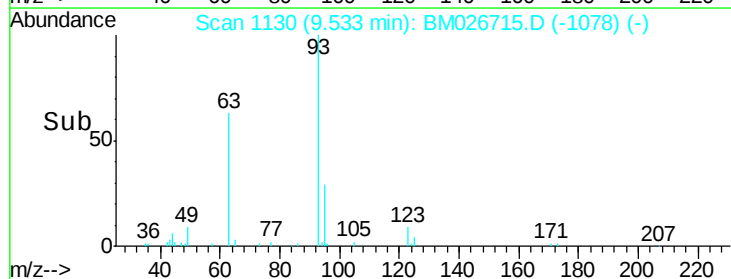
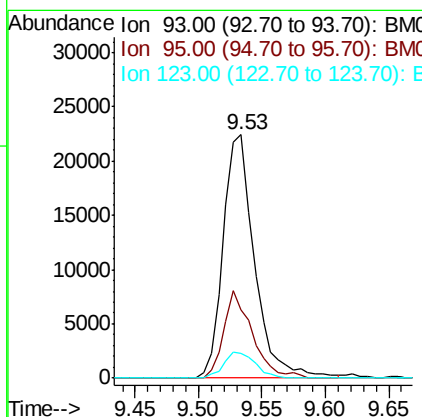
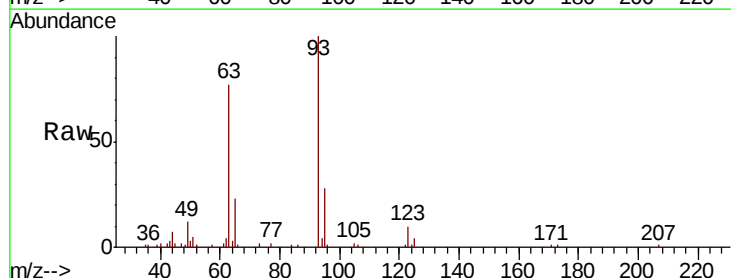
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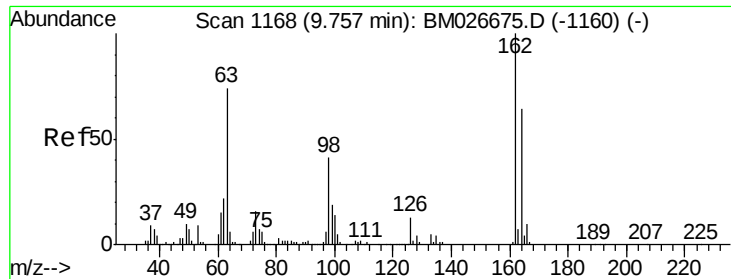
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#28
bis(2-Chloroethoxy)methane
Concen: 6.525 ng
RT: 9.53 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	28.1	25.7	38.5		
123	10.0	8.7	13.1		





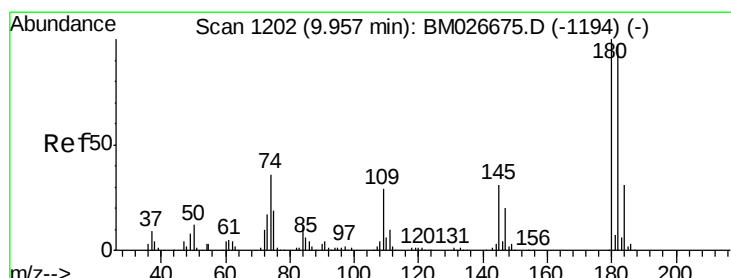
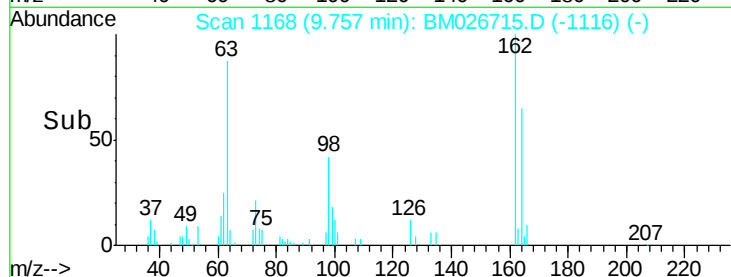
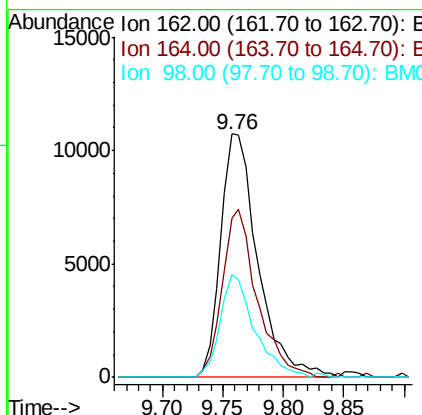
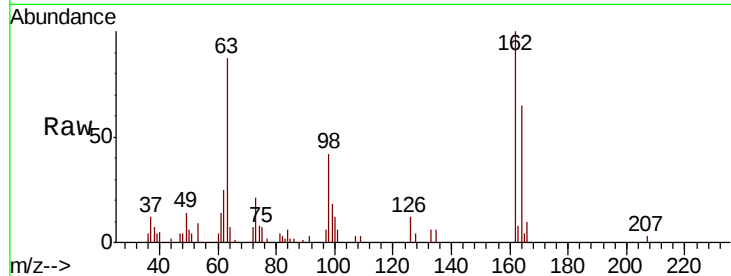
#29
2,4-Dichlorophenol
Concen: 5.902 ng
RT: 9.76 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	65.2	44.3	84.3	
98	42.1	21.0	61.0	

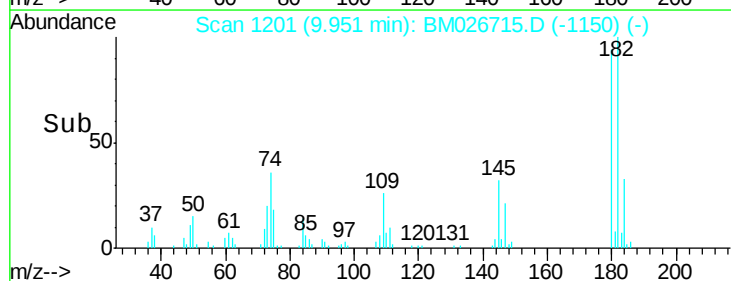
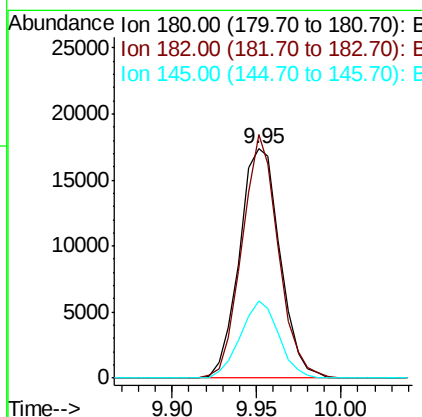
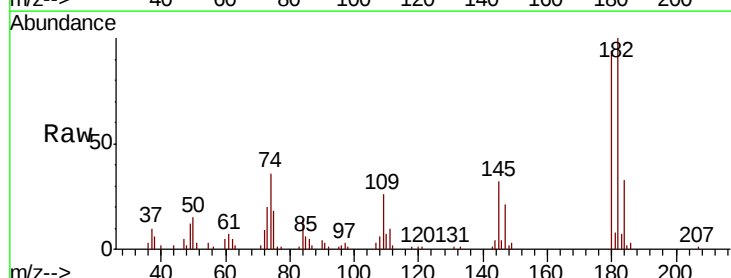
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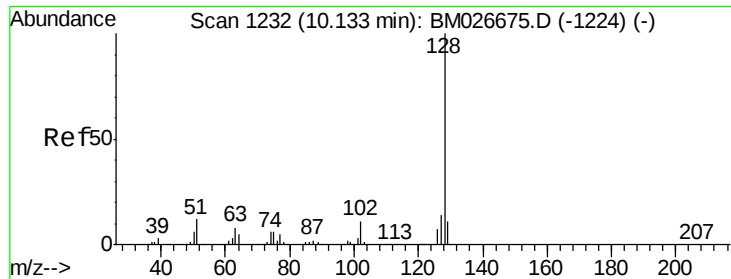
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#30
1,2,4-Trichlorobenzene
Concen: 6.711 ng
RT: 9.95 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	106.2	77.8	116.6	
145	33.9	25.0	37.6	





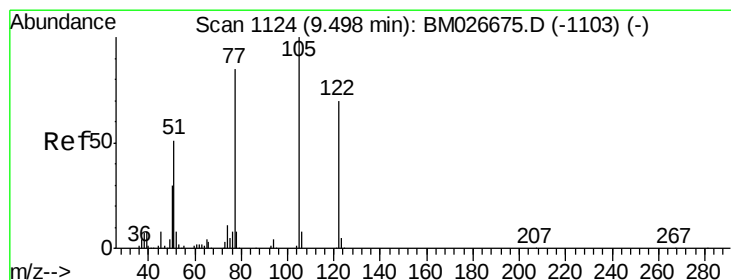
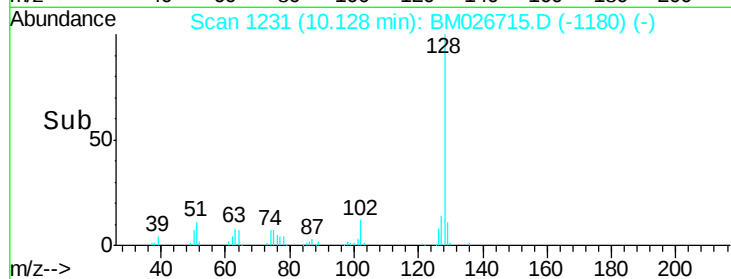
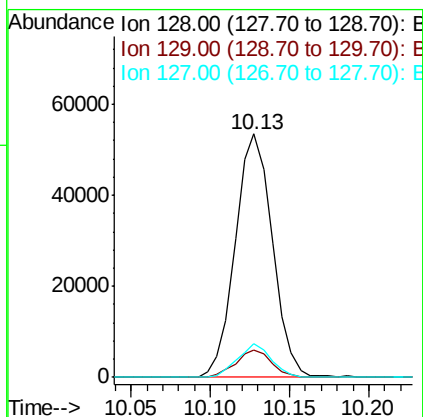
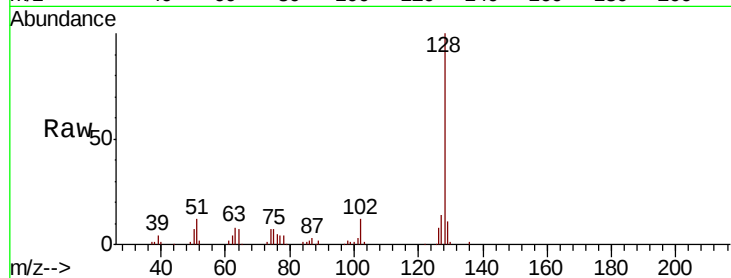
#31
Naphthalene
Concen: 6.581 ng
RT: 10.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.9	10.8	16.2

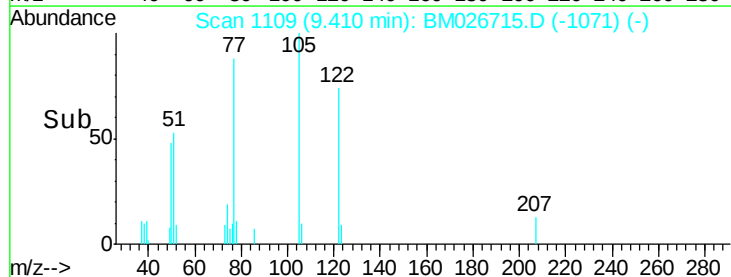
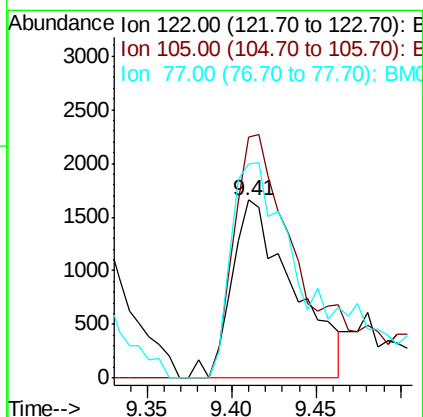
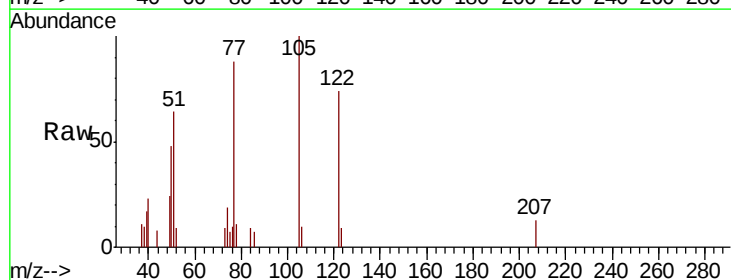
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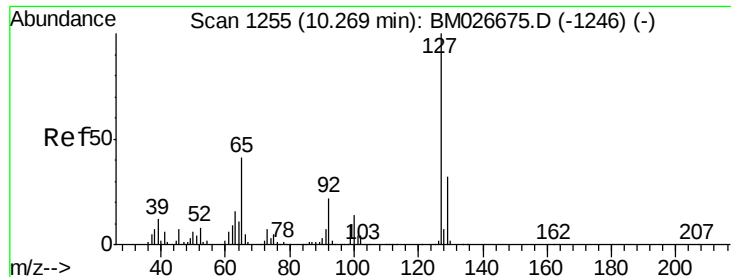
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#32
Benzoic acid
Concen: 8.269 ng
RT: 9.41 min Scan# 1109
Delta R.T. -0.08 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	135.7	120.9	160.9
77	120.1	100.0	140.0





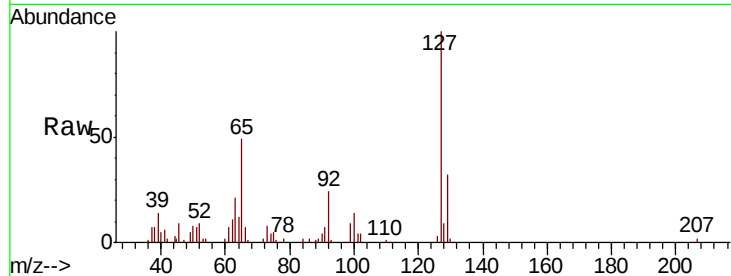
#33
4-Chloroaniline
Concen: 5.737 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

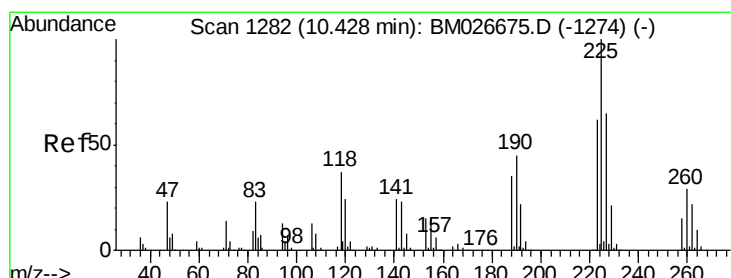
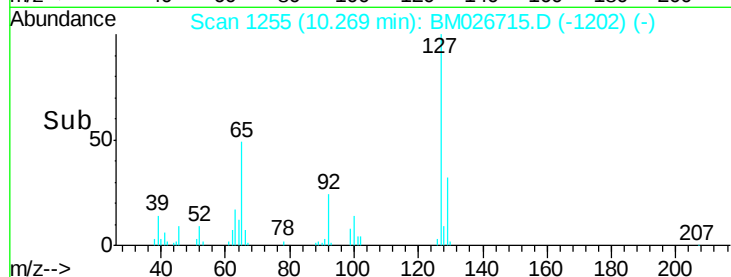
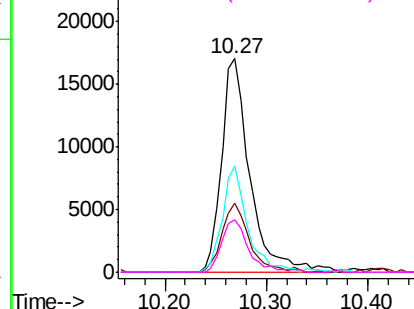
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	25.8	38.6		
65	49.5	32.5	48.7		
92	24.4	17.8	26.8		

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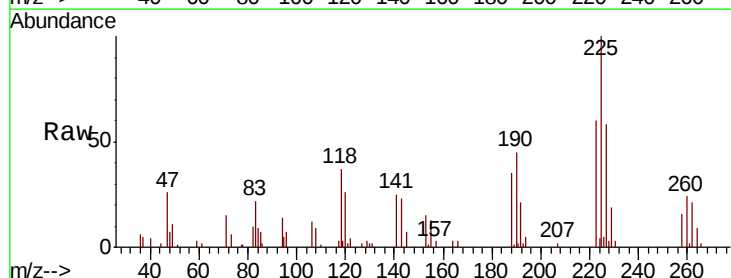


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

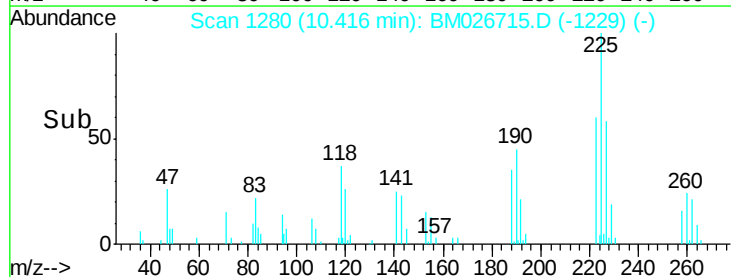
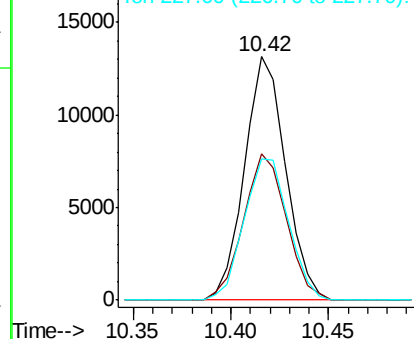


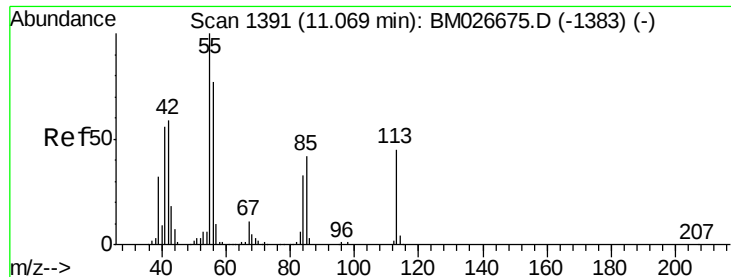
#34
Hexachlorobutadiene
Concen: 6.687 ng
RT: 10.42 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	59.9	49.8	74.8		
227	57.9	52.3	78.5		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 5.241 ng

RT: 11.04 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

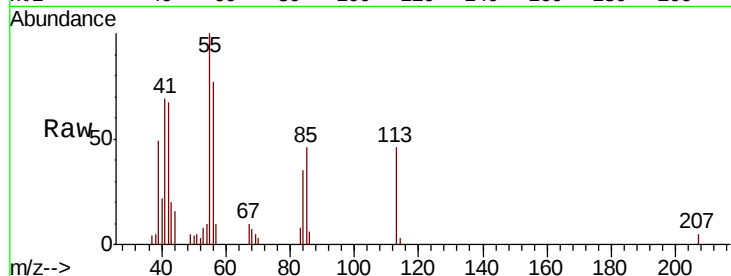
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	113	Resp:	7192
Ion Ratio	Lower	Upper	
113	100		
55	219.1	203.5	243.5
56	168.6	151.6	191.6

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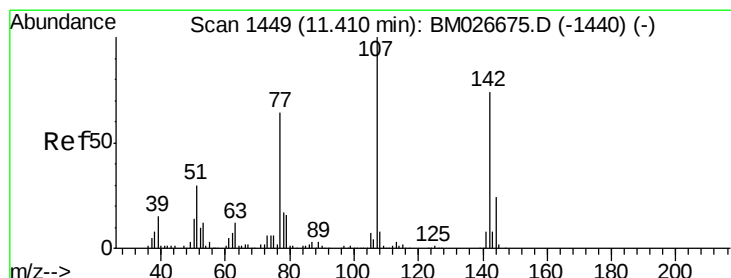
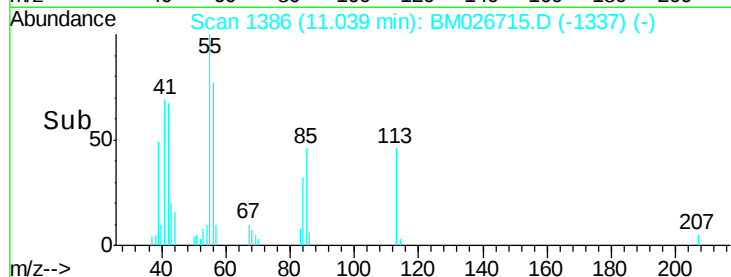
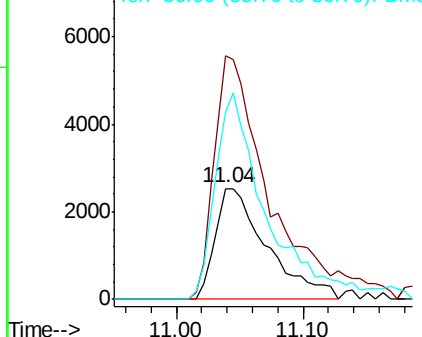
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 5.892 ng

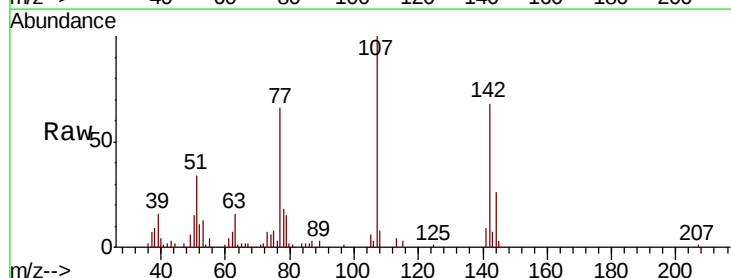
RT: 11.40 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

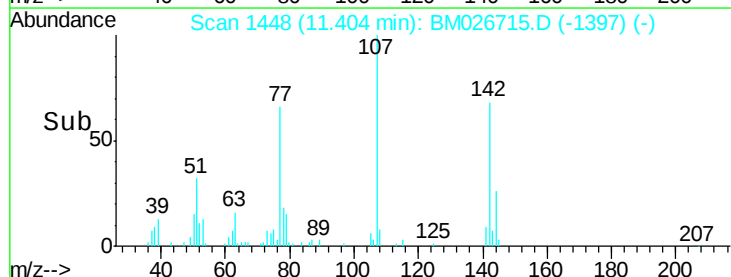
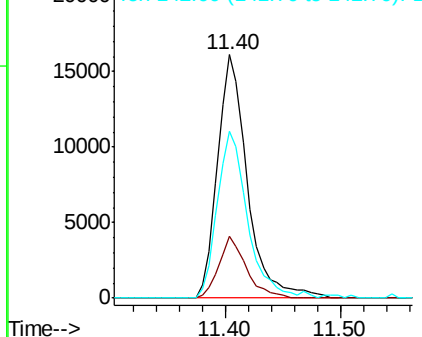
Tgt Ion:	107	Resp:	28852
Ion Ratio	Lower	Upper	
107	100		
144	25.5	18.9	28.3
142	68.3	59.0	88.4

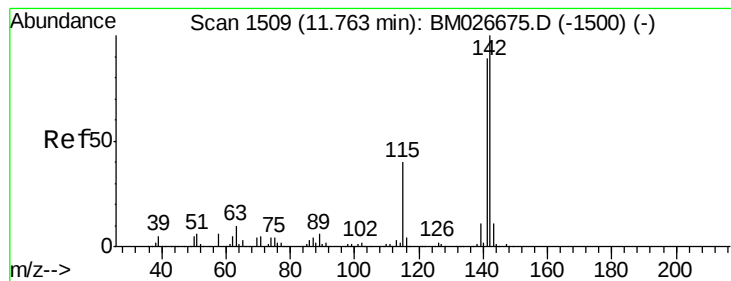


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





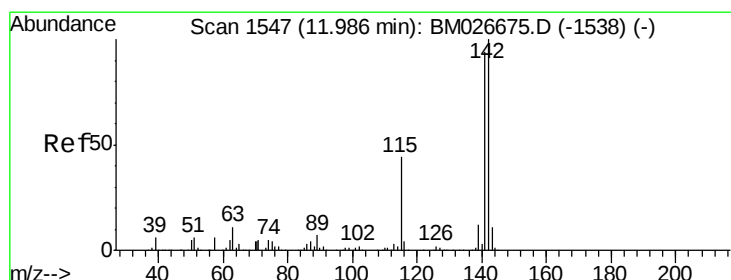
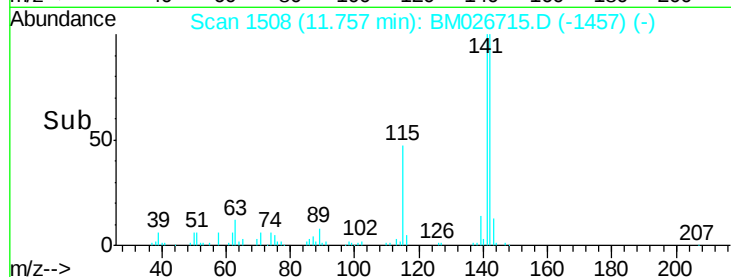
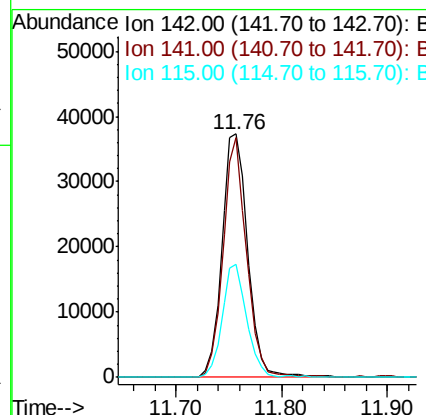
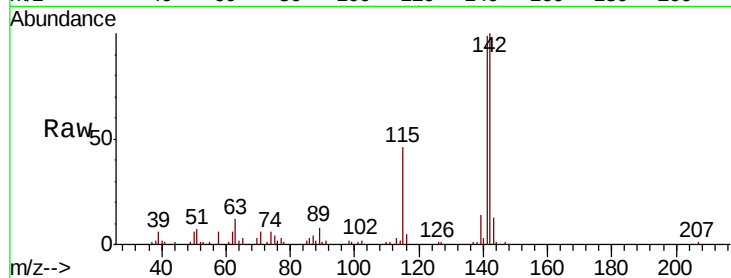
#37
2-Methylnaphthalene
Concen: 6.472 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.6	71.4	107.0
115	46.4	32.1	48.1

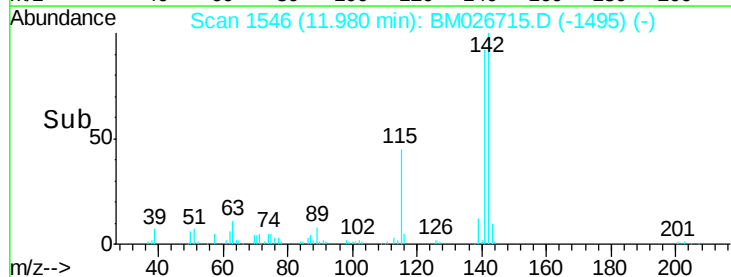
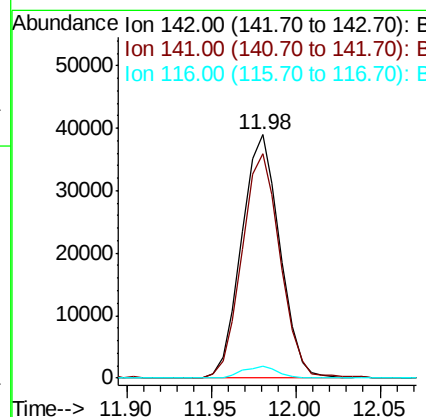
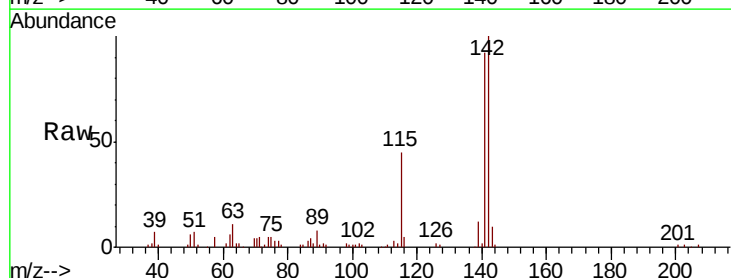
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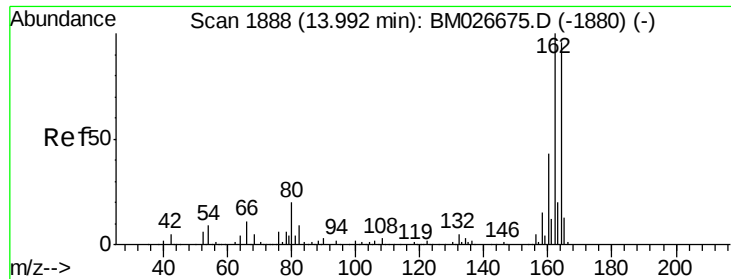
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#38
1-Methylnaphthalene
Concen: 6.560 ng
RT: 11.98 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	75.0	112.6
116	5.2	3.5	5.3





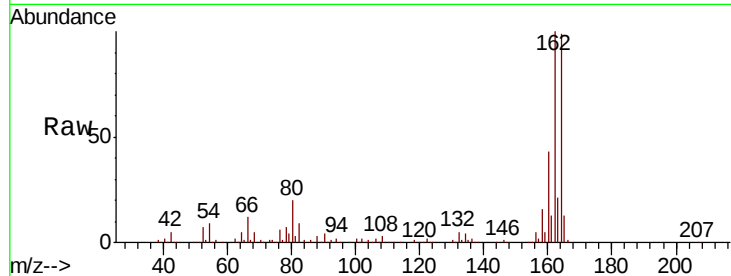
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.99 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.7	125.5
160	43.6	36.2	54.2

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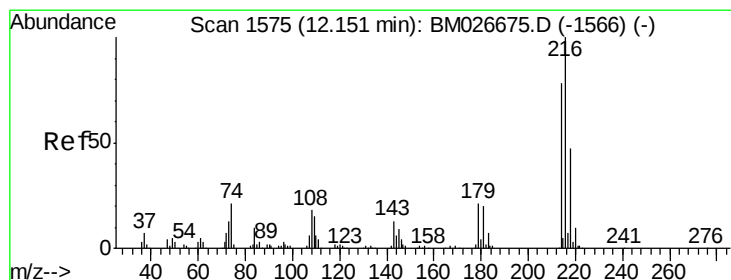
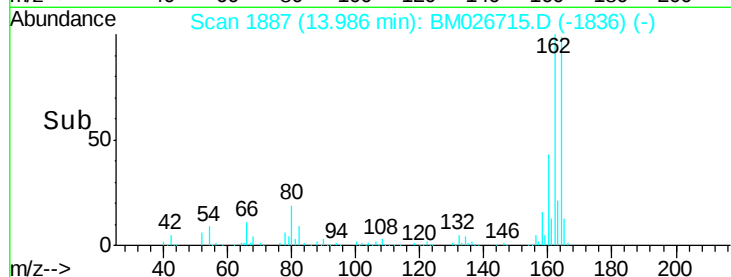
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.594 ng
RT: 12.14 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.7	62.6	93.8
179	21.4	17.5	26.3
108	21.6	16.7	25.1

Abundance

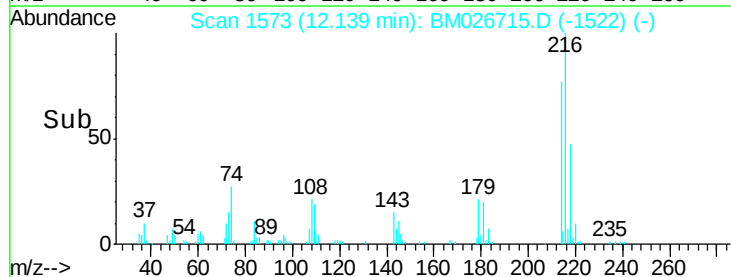
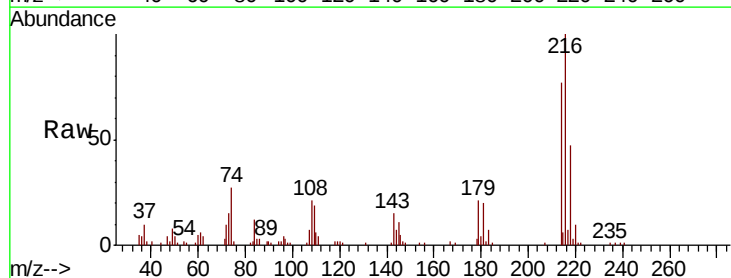
Ion 216.00 (215.70 to 216.70): E

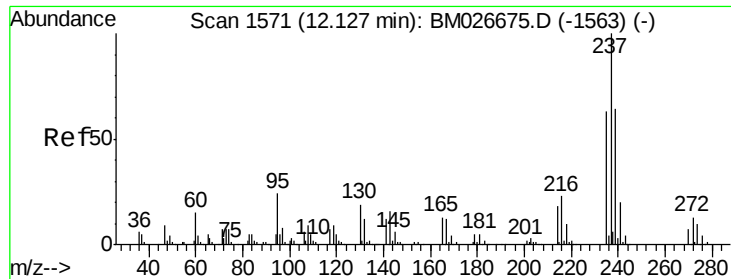
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

Time-->





#41

Hexachlorocyclopentadiene

Concen: 9.472 ng

RT: 12.12 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

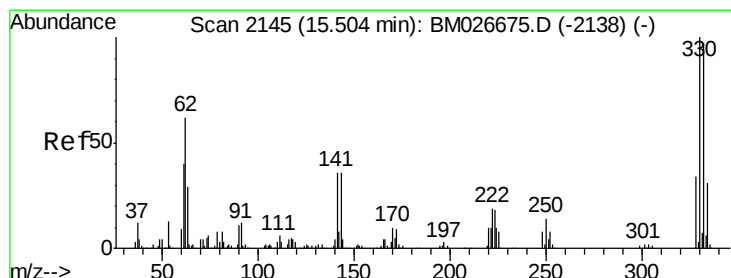
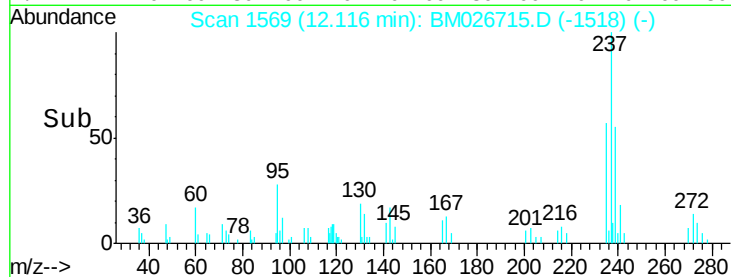
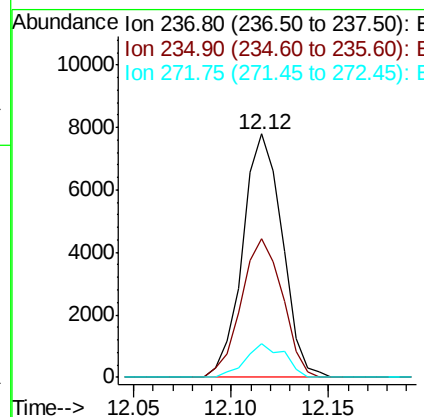
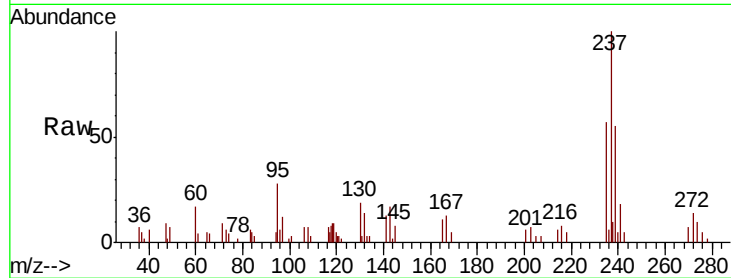
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	237	Resp:	10962
Ion Ratio	Lower	Upper	
237	100		
235	57.0	42.8	82.8
272	13.9	0.0	32.8

Manual Integrations
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7/10/2020 11:51:22 AM



#42

2,4,6-Tribromophenol

Concen: 97.772 ng

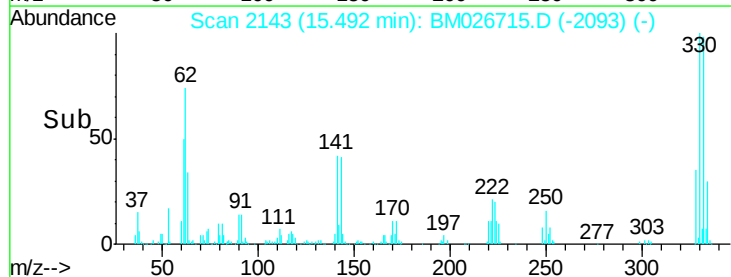
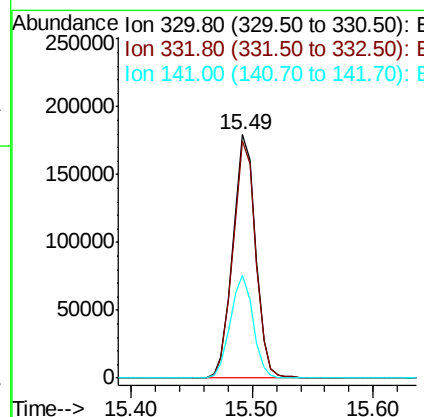
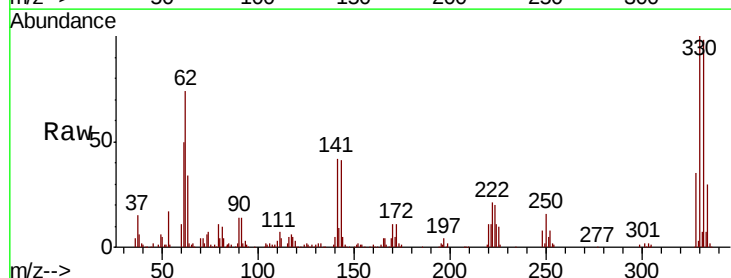
RT: 15.49 min Scan# 2143

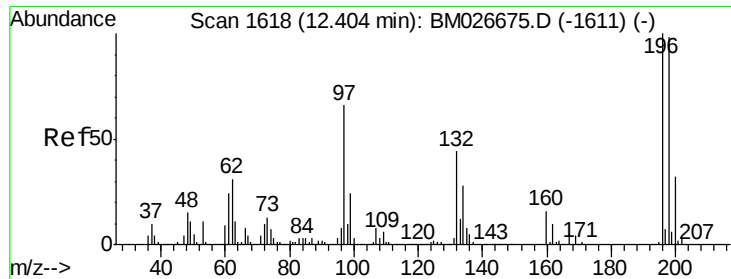
Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	330	Resp:	236950
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.5	116.3
141	42.2	32.4	48.6





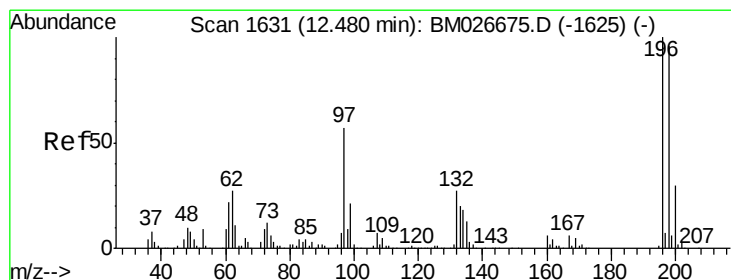
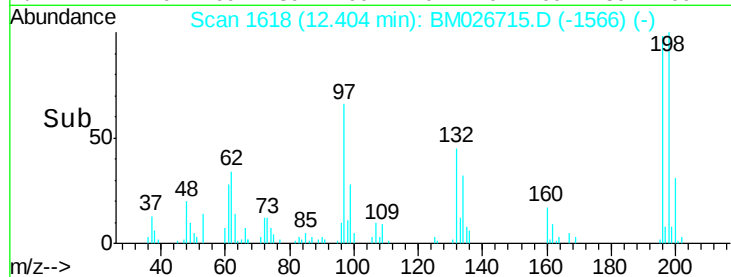
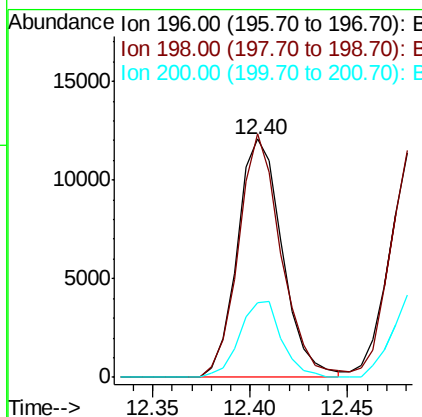
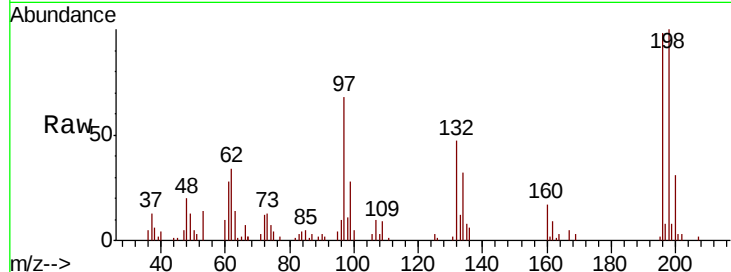
#43
 2,4,6-Trichlorophenol
 Concen: 5.475 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	19288		
198	102.1	78.6	118.0	
200	31.3	25.3	37.9	

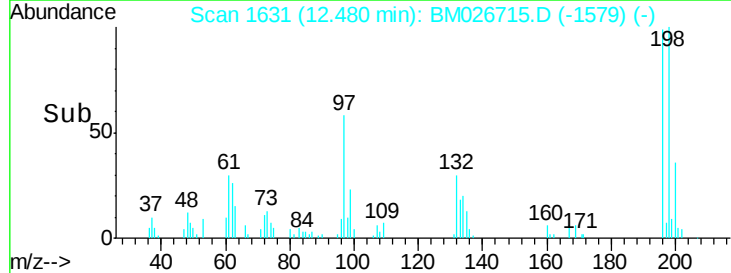
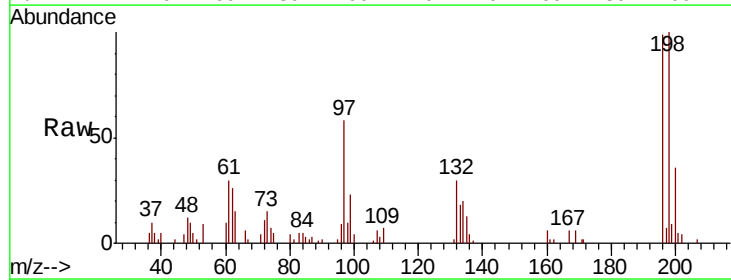
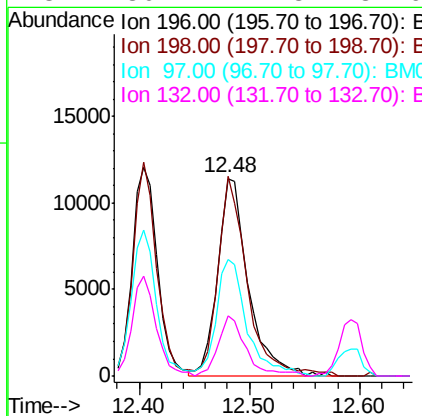
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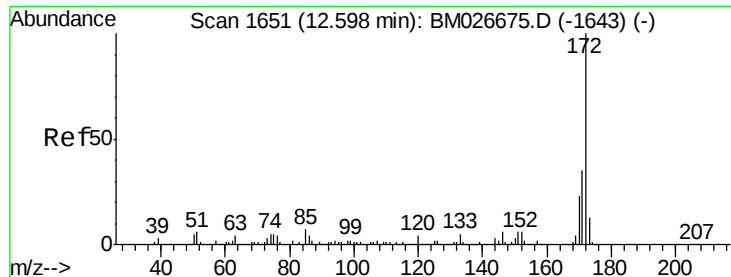
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#44
 2,4,5-Trichlorophenol
 Concen: 5.375 ng
 RT: 12.48 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	22253		
198	101.1	77.0	115.6	
97	59.0	45.7	68.5	
132	30.7	21.8	32.6	





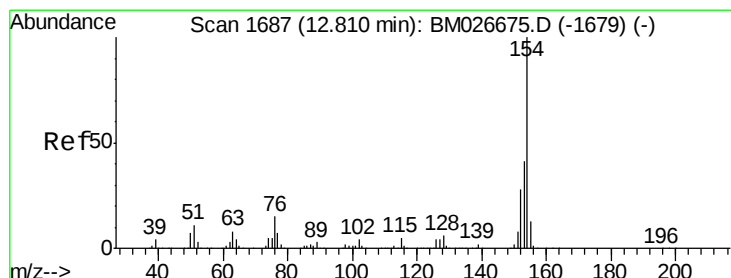
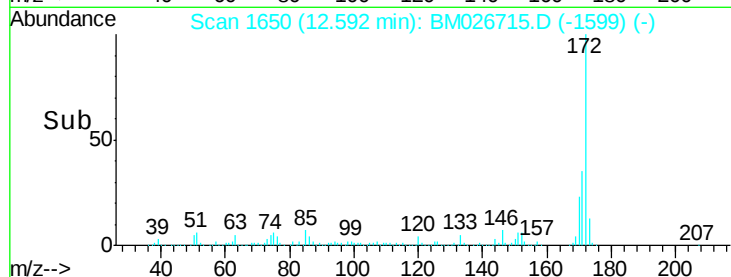
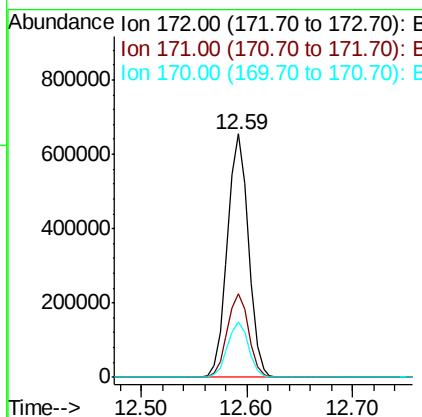
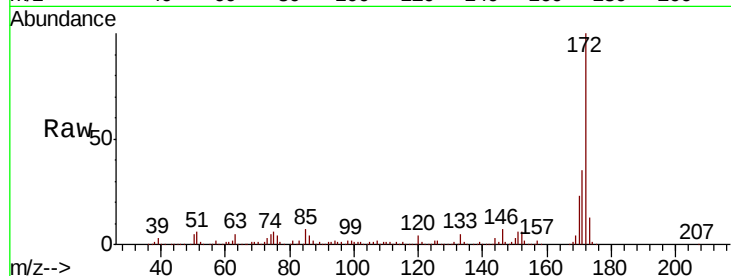
#45
2-Fluorobiphenyl
Concen: 72.100 ng
RT: 12.59 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.9	18.5	27.7

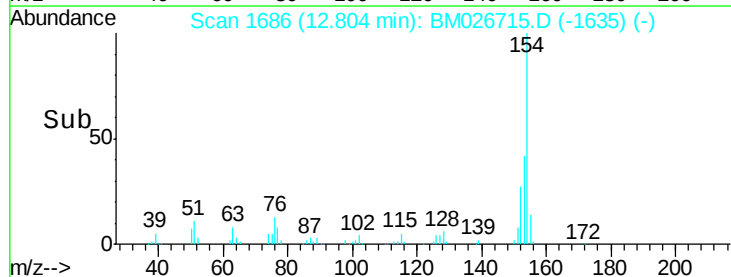
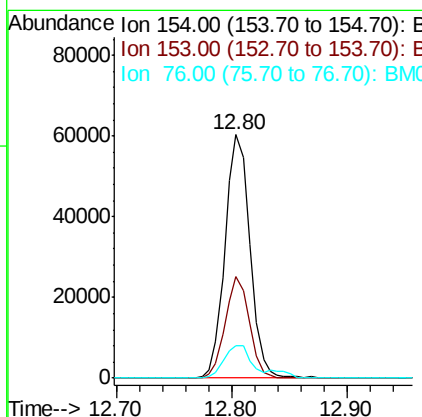
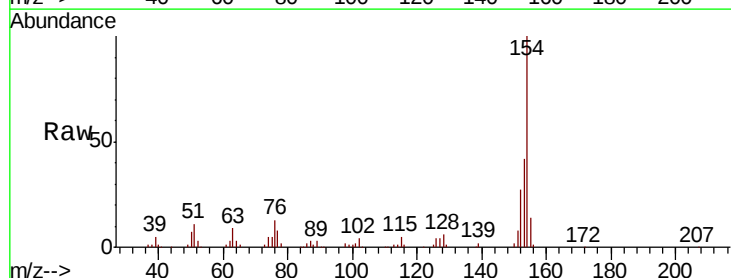
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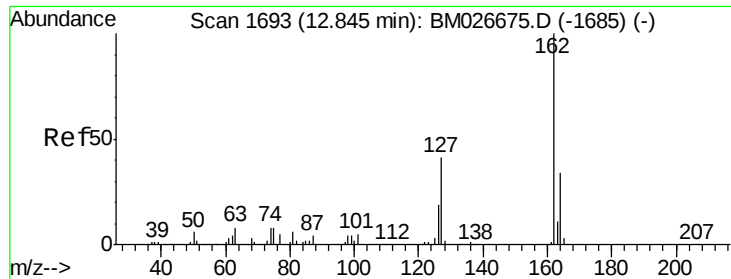
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#46
1,1'-Biphenyl
Concen: 6.865 ng
RT: 12.80 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.9	60.9
76	13.3	0.0	35.2





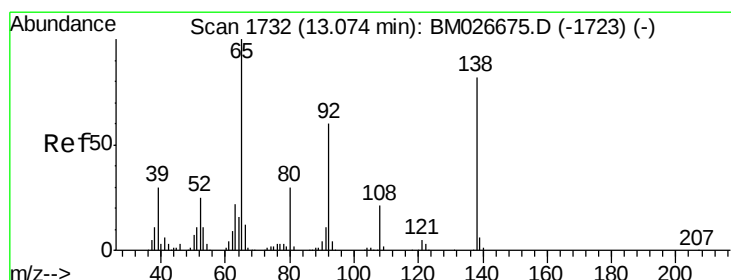
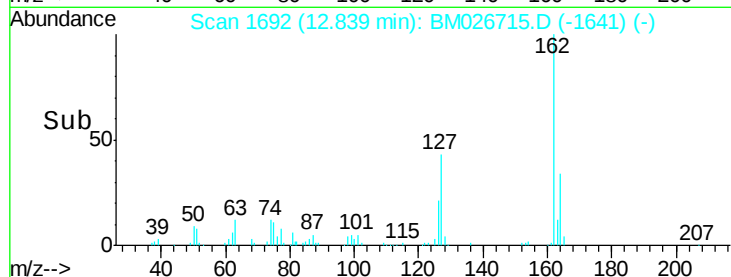
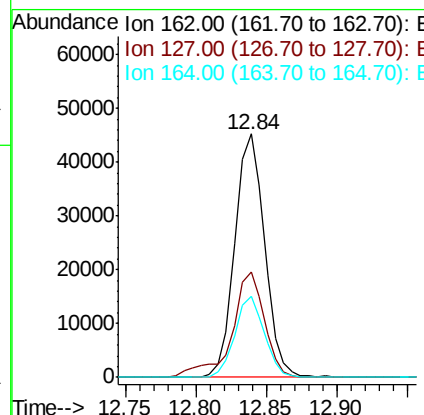
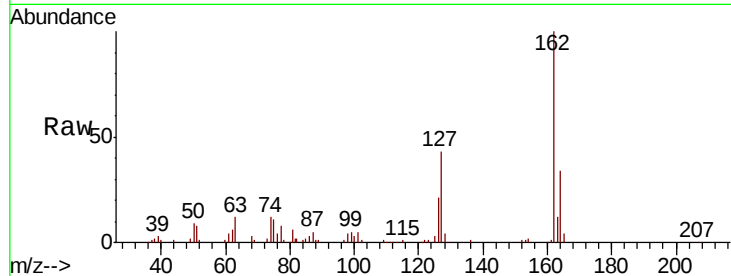
#47
2-Chloronaphthalene
Concen: 6.268 ng
RT: 12.84 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.2	34.0	51.0
164	33.5	26.9	40.3

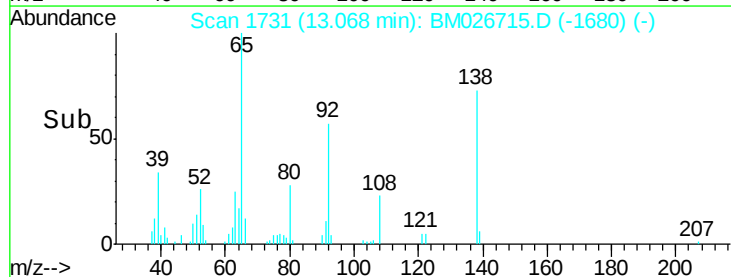
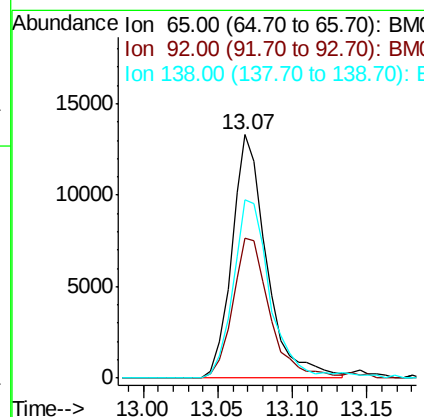
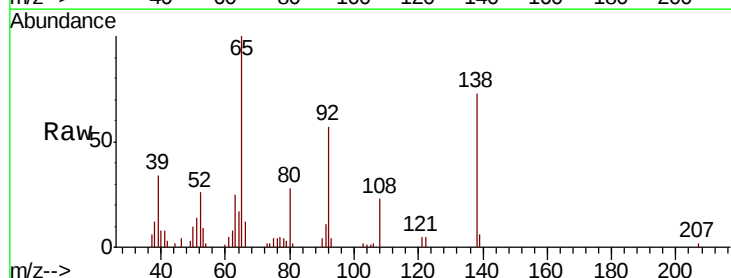
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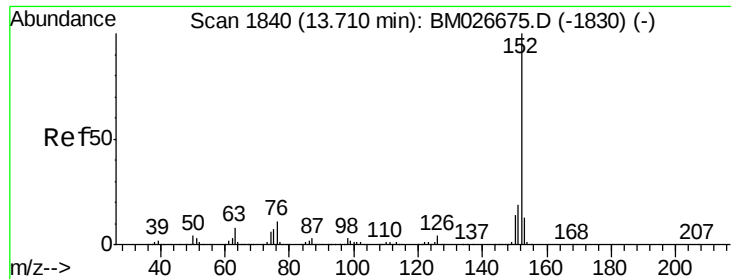
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#48
2-Nitroaniline
Concen: 4.963 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	57.3	47.8	71.8
138	73.1	65.6	98.4





#49

Acenaphthylene

Concen: 6.137 ng

RT: 13.70 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

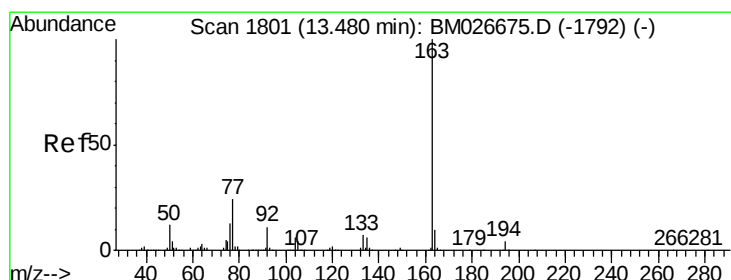
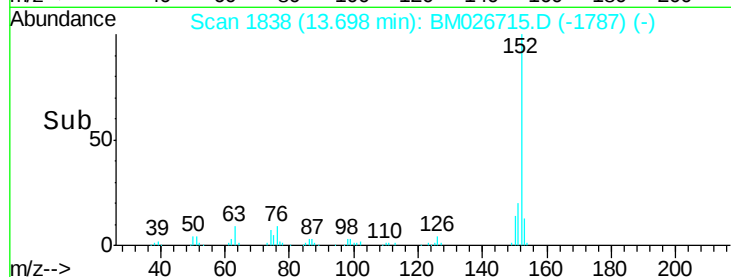
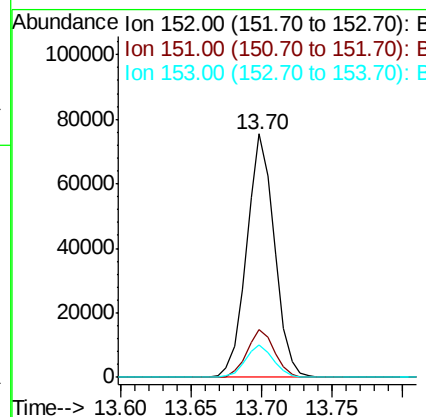
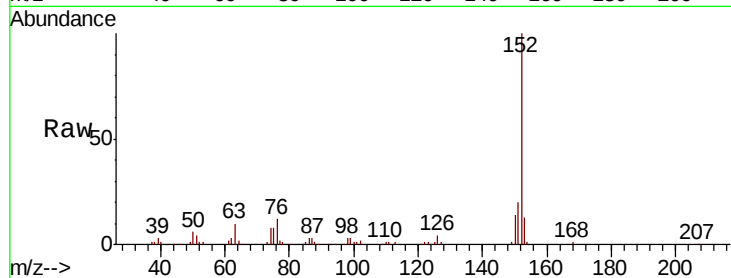
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.2	10.4	15.6

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#50

Dimethylphthalate

Concen: 6.292 ng

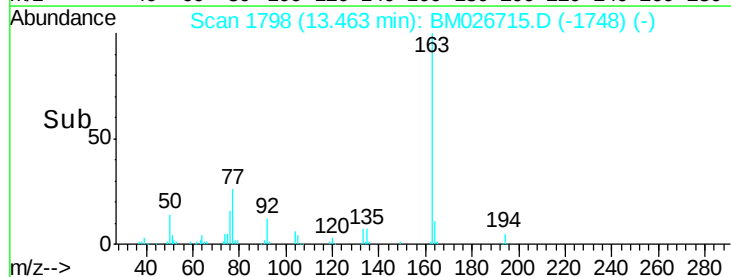
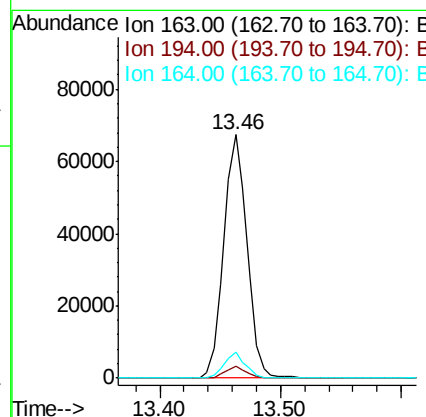
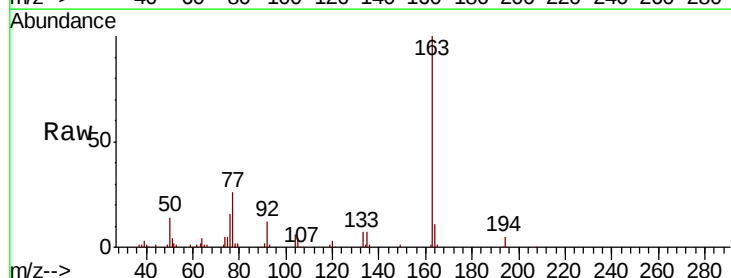
RT: 13.46 min Scan# 1798

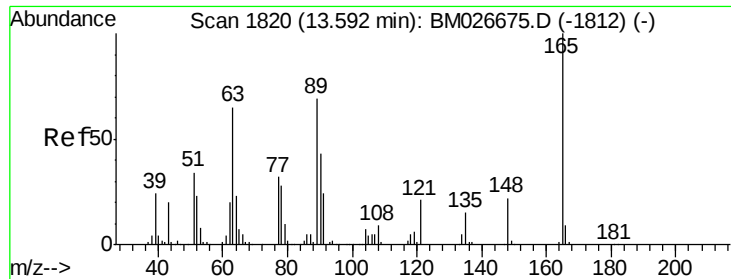
Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.6	7.8	11.6





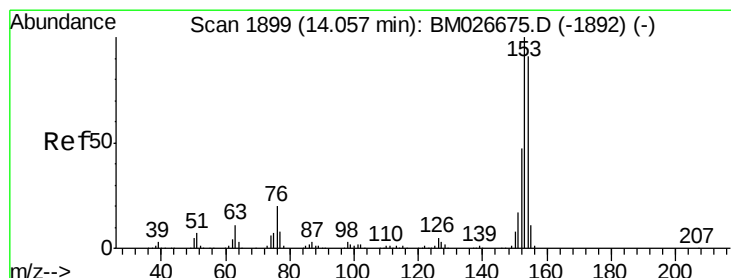
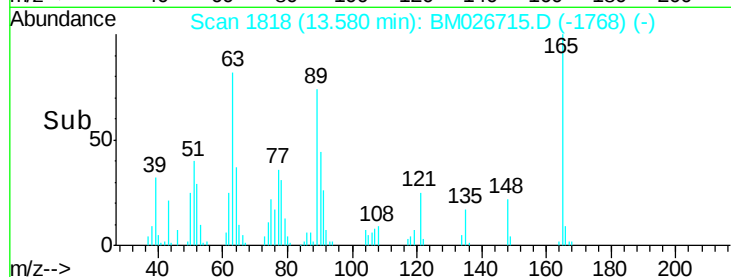
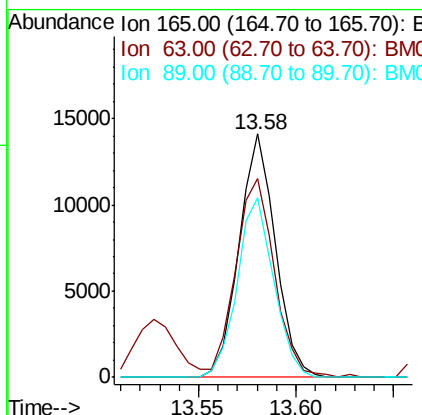
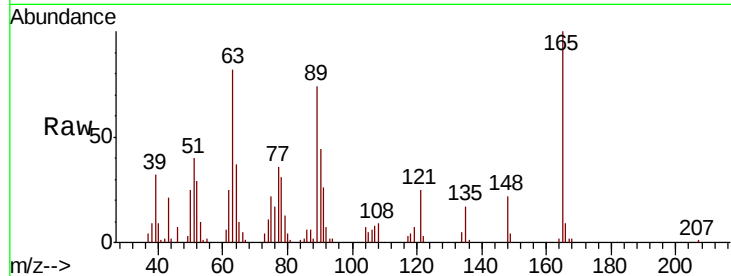
#51
2,6-Dinitrotoluene
Concen: 5.959 ng
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	81.8	61.1	91.7
89	74.0	54.9	82.3

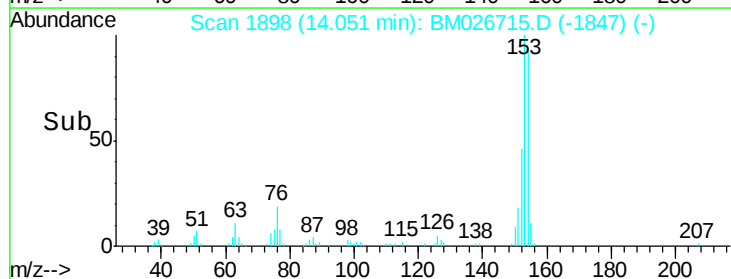
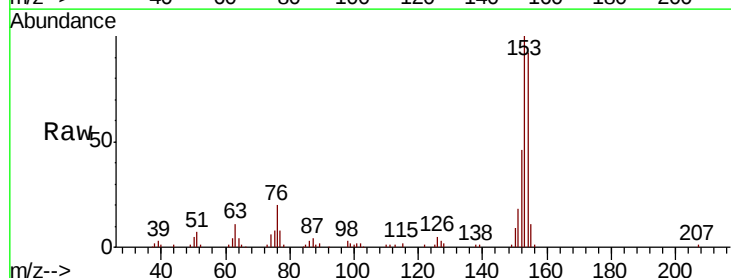
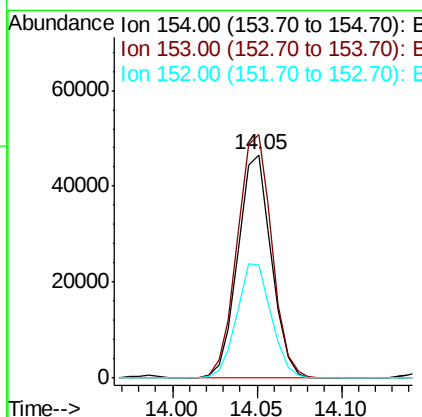
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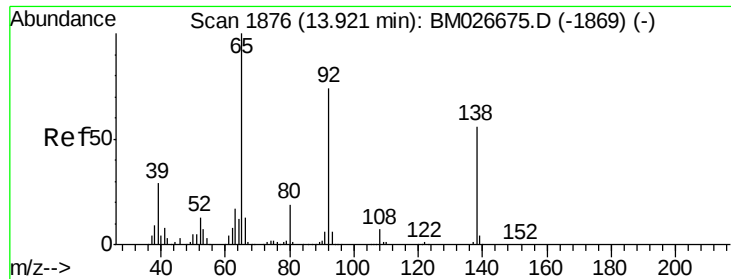
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#52
Acenaphthene
Concen: 6.220 ng
RT: 14.05 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	109.0	88.3	132.5
152	50.4	41.1	61.7





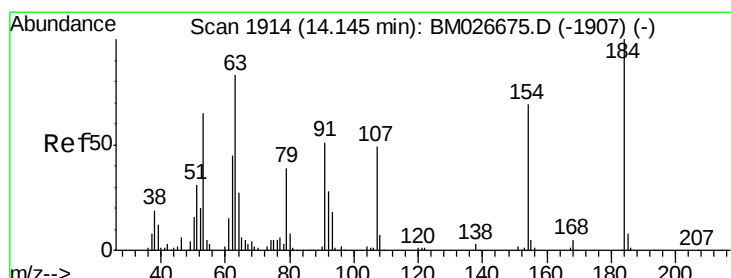
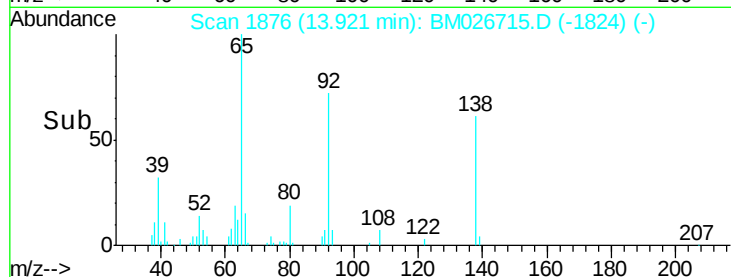
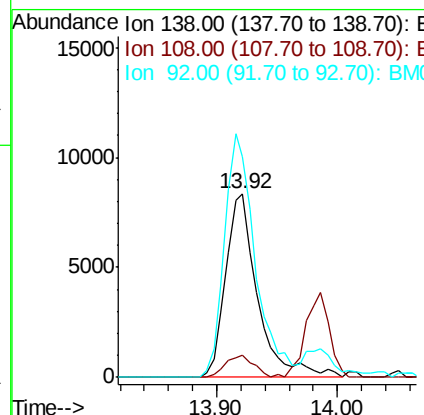
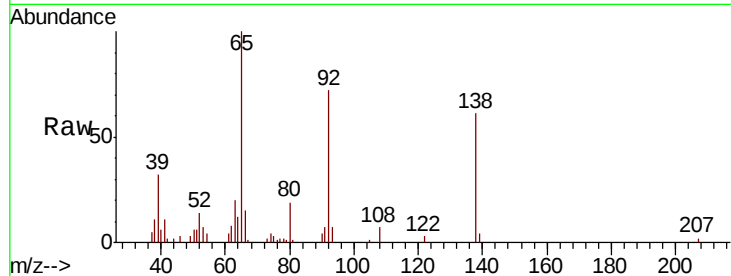
#53
3-Nitroaniline
Concen: 4.829 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.7	14.5
92	119.5	105.6	158.4

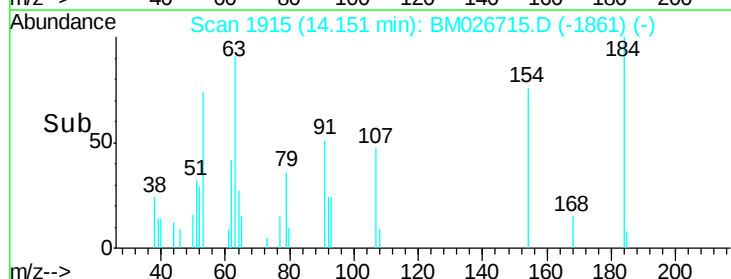
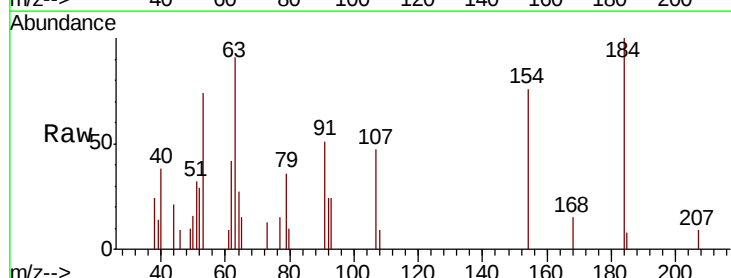
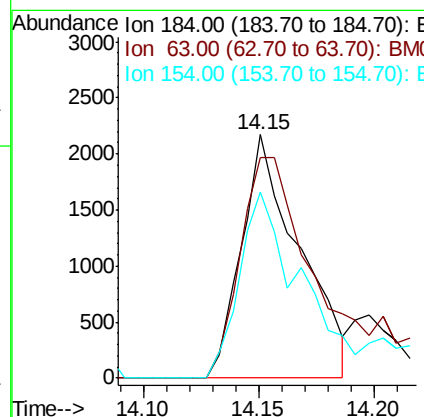
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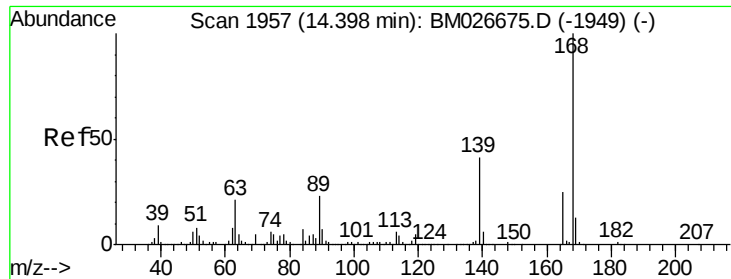
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#54
2,4-Dinitrophenol
Concen: 7.918 ng
RT: 14.15 min Scan# 1915
Delta R.T. 0.02 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	90.8	66.2	99.4
154	76.5	55.2	82.8





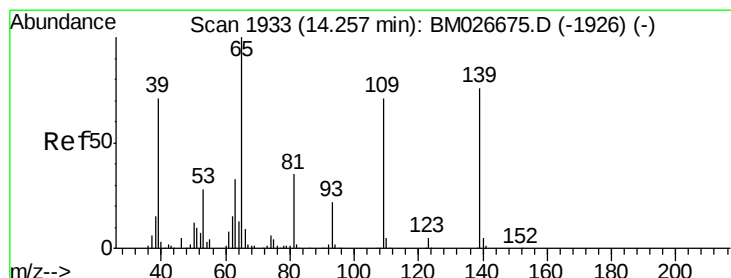
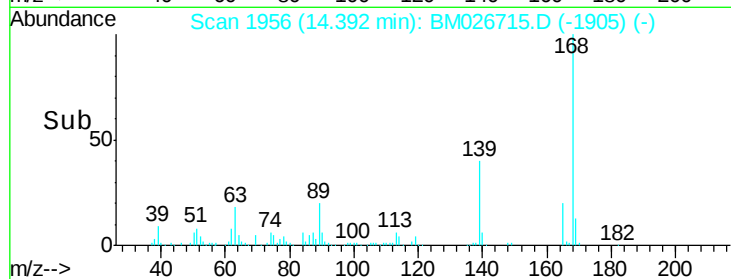
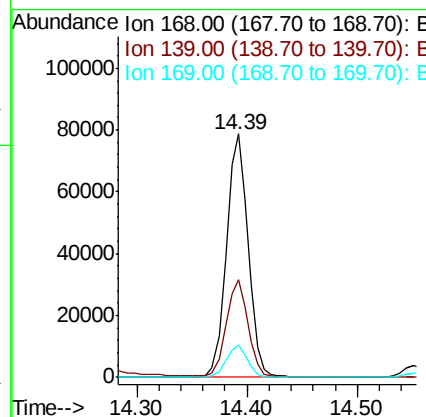
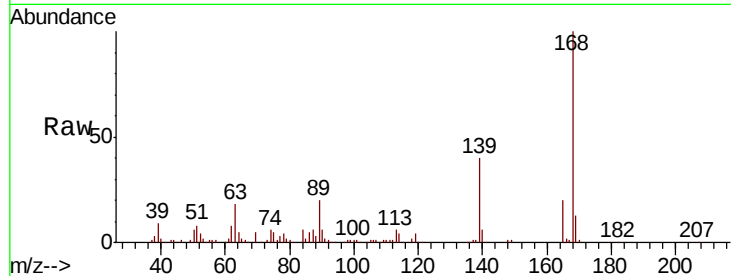
#55
Dibenzofuran
Concen: 6.372 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.6	48.8
169	13.2	10.5	15.7

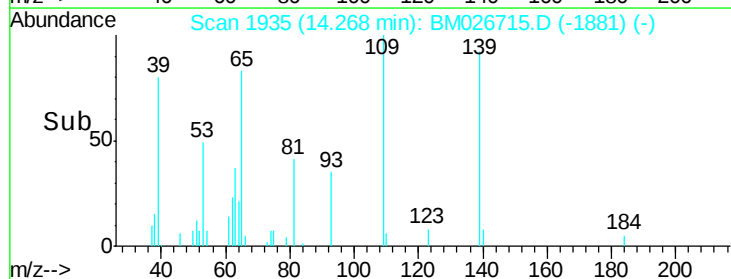
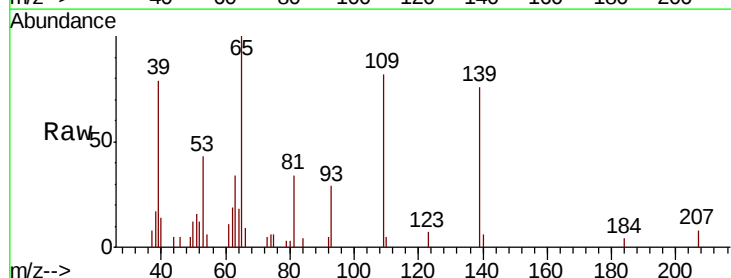
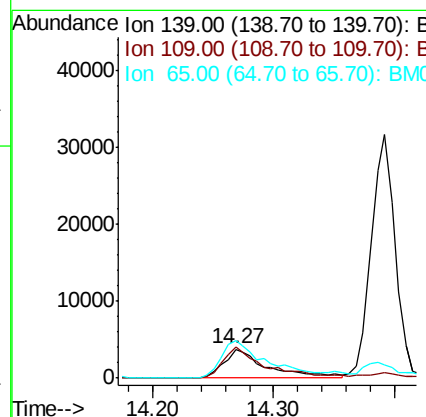
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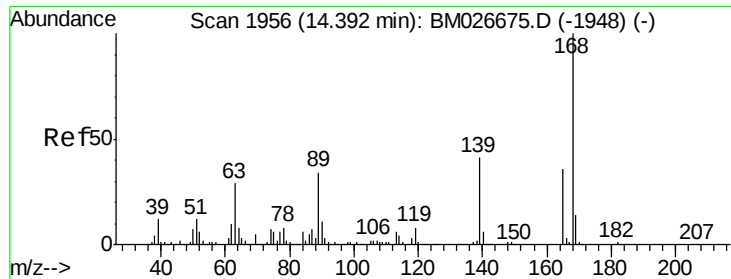
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#56
4-Nitrophenol
Concen: 7.120 ng
RT: 14.27 min Scan# 1935
Delta R.T. 0.02 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	108.5	73.7	113.7
65	131.6	111.5	151.5





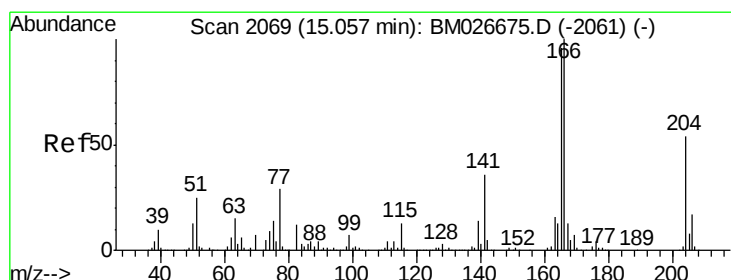
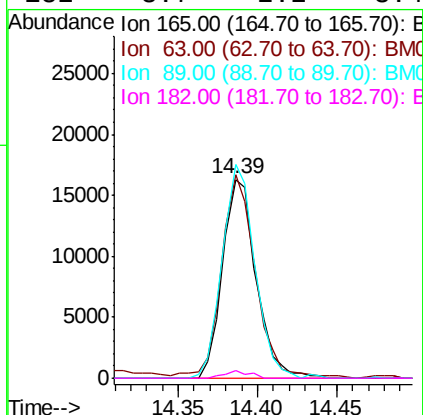
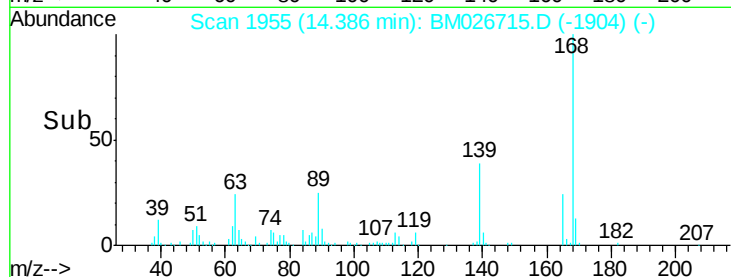
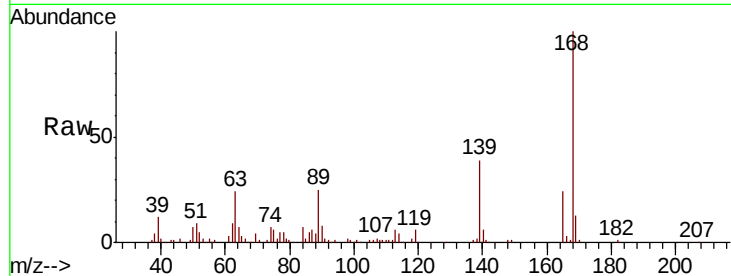
#57
2,4-Dinitrotoluene
Concen: 5.437 ng
RT: 14.39 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	102.7	64.6	97.0#	
89	107.6	75.4	113.2	
182	3.7	2.2	3.4#	

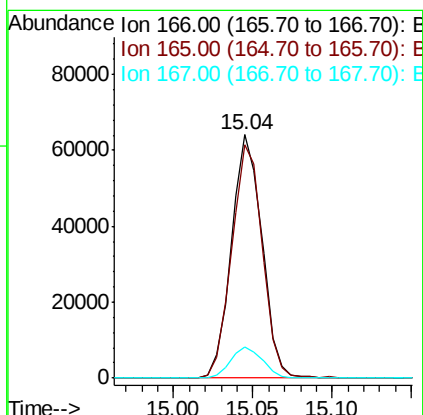
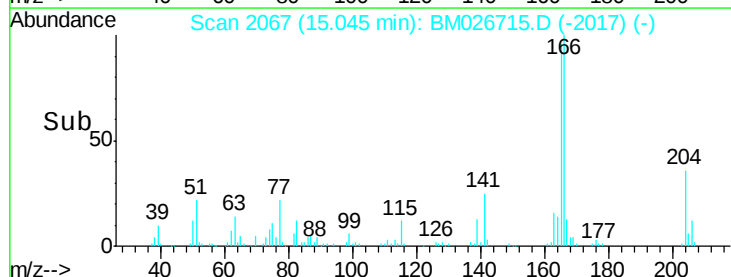
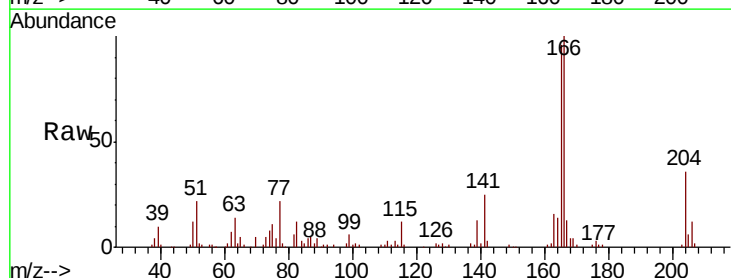
Manual Integrations
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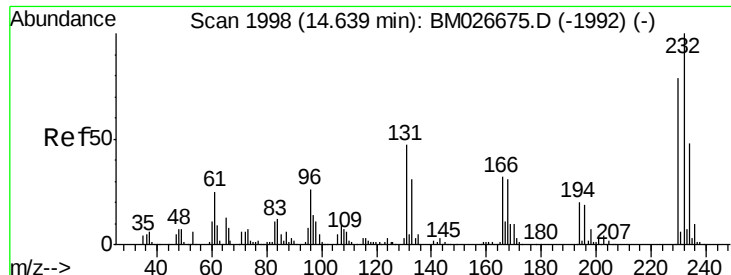
mohammad
7/10/2020 11:51:22 AM



#58
Fluorene
Concen: 6.092 ng
RT: 15.04 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.9	77.1	115.7	
167	12.8	10.8	16.2	





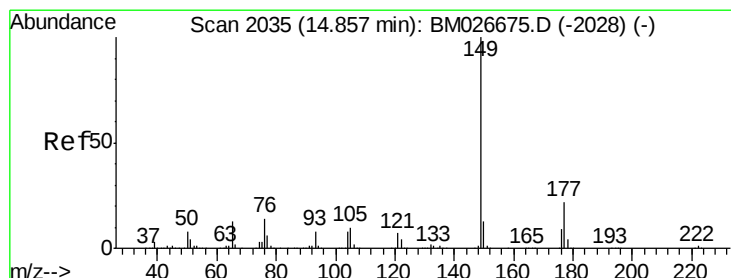
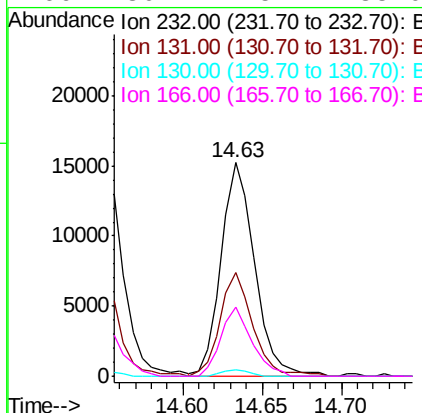
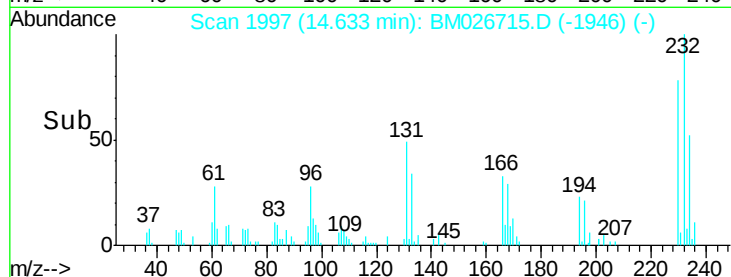
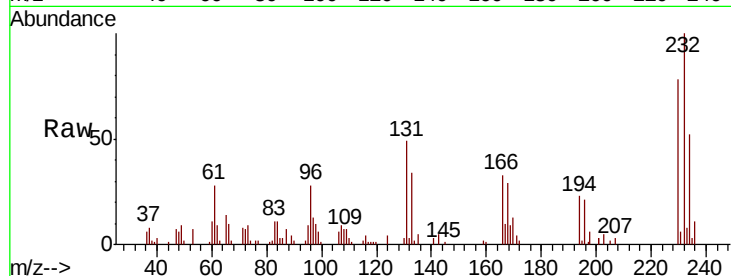
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.189 ng
 RT: 14.63 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.5	38.4	57.6
130	2.5	2.2	3.2
166	30.1	25.4	38.0

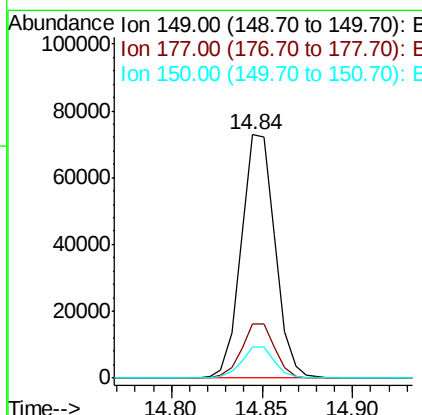
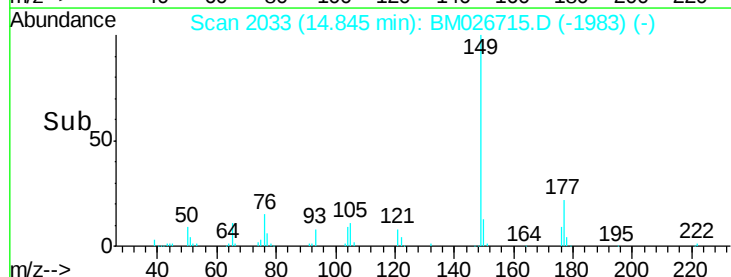
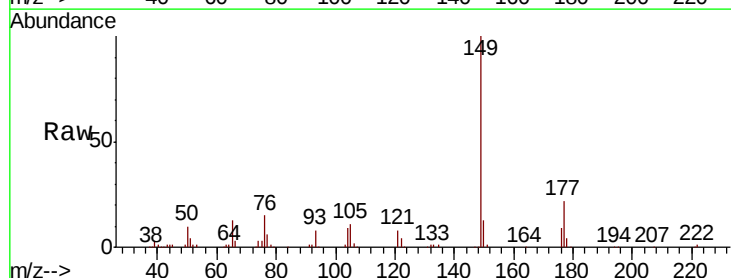
Manual Integrations
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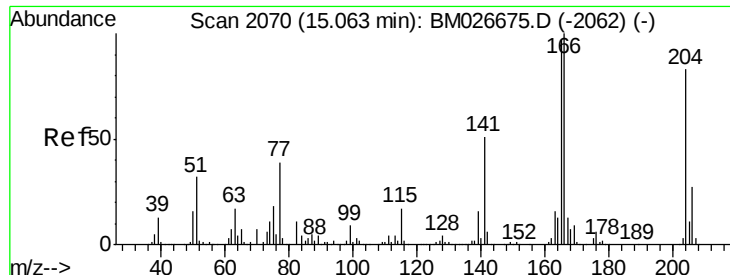
mohammad
 7/10/2020 11:51:22 AM



#60
 Diethylphthalate
 Concen: 6.249 ng
 RT: 14.84 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.9	10.2	15.4





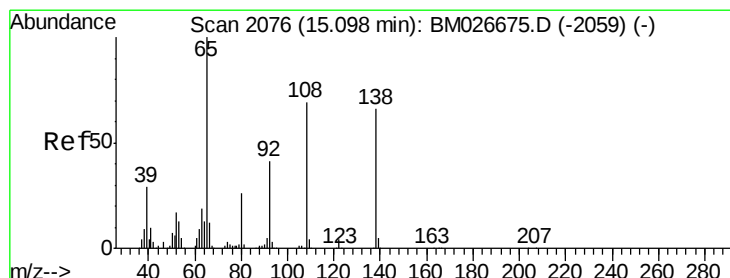
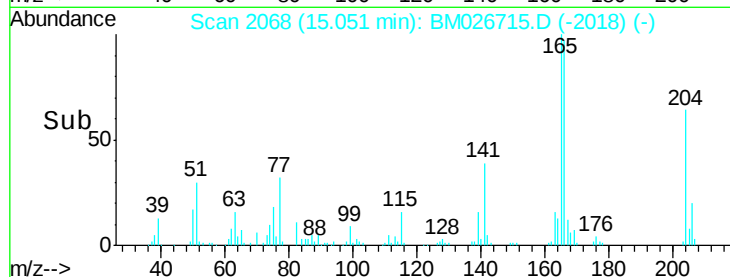
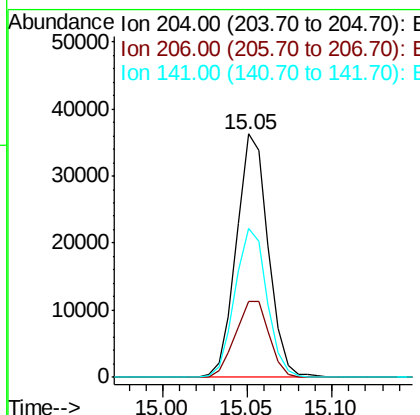
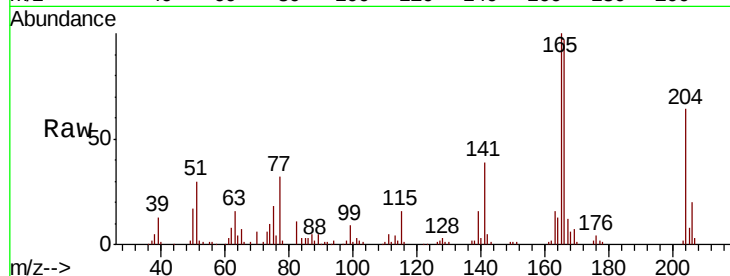
#61
4-Chlorophenyl-phenylether
Concen: 6.255 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.2	25.9	38.9
141	61.2	49.5	74.3

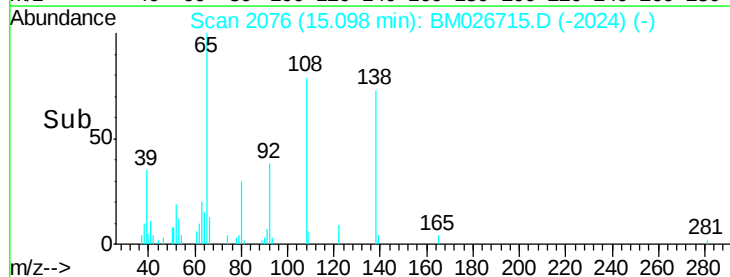
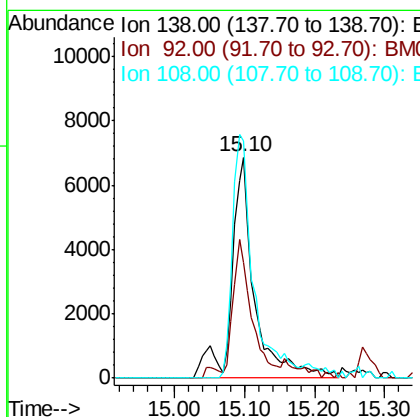
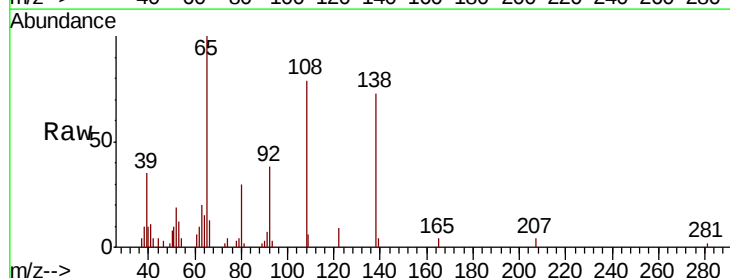
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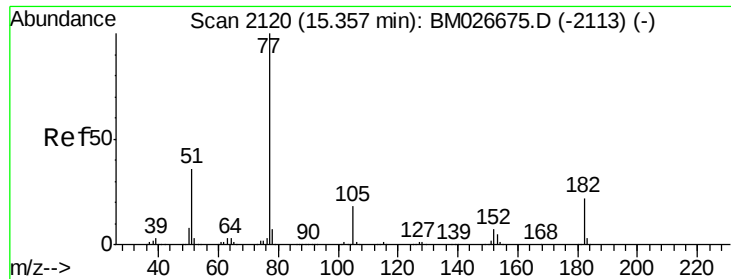
mohammad
7/10/2020 11:51:22 AM



#62
4-Nitroaniline
Concen: 7.096 ng m
RT: 15.10 min Scan# 2076
Delta R.T. 0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.2	41.5	81.5
108	107.4	84.8	124.8





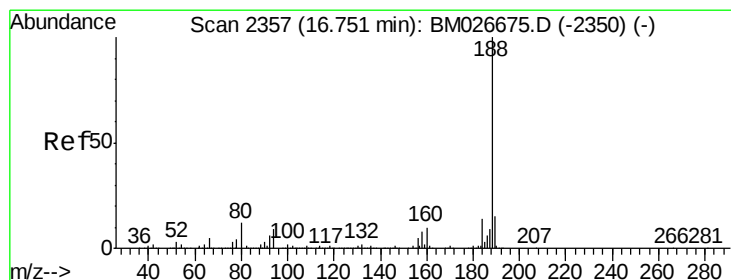
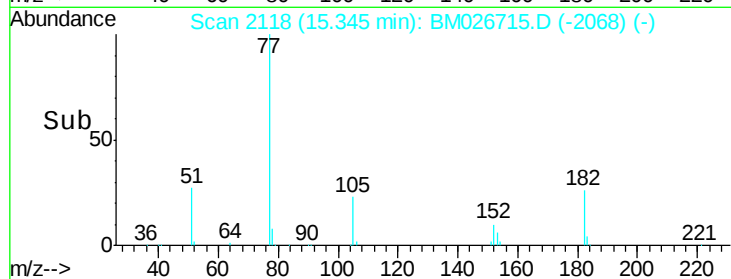
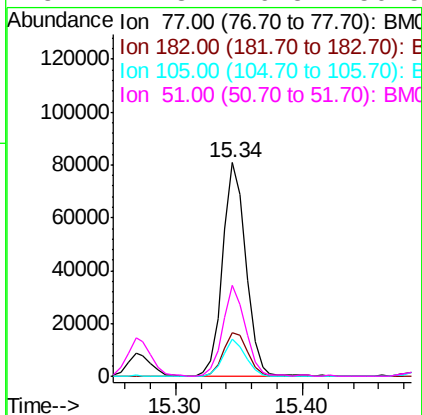
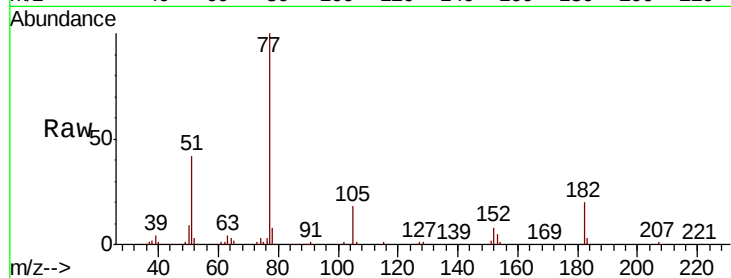
#63
Azobenzene
Concen: 6.229 ng
RT: 15.34 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	20.1	1.6	41.6
105	17.6	0.0	37.8
51	42.3	16.5	56.5

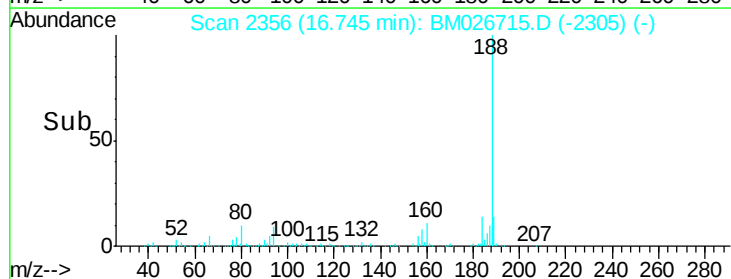
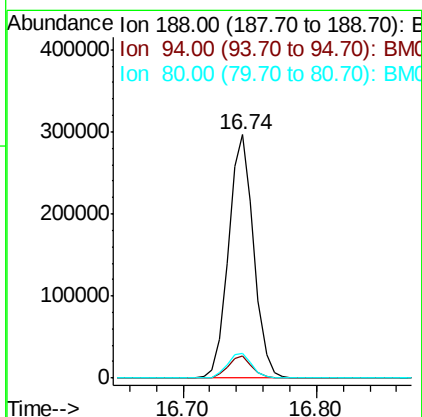
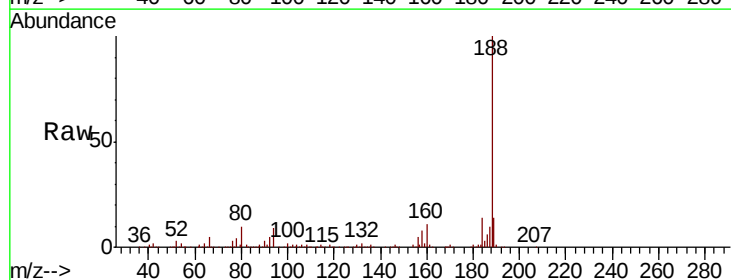
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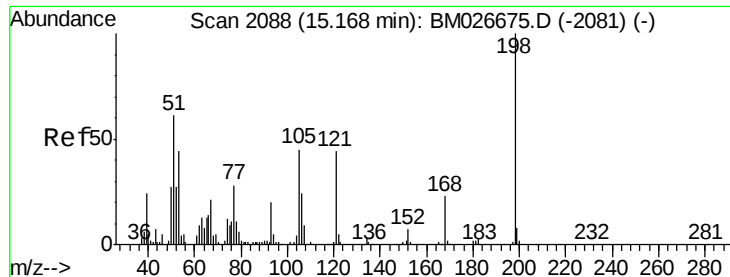
mohammad
7/10/2020 11:51:22 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.0
80	10.3	9.3	13.9





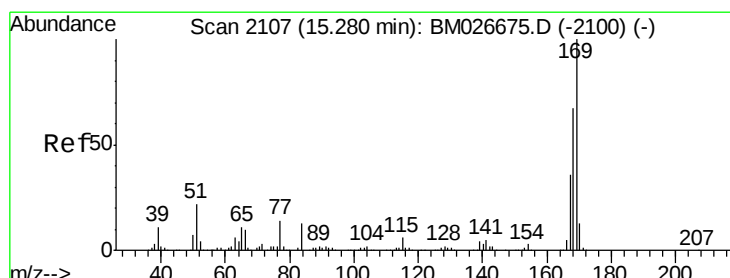
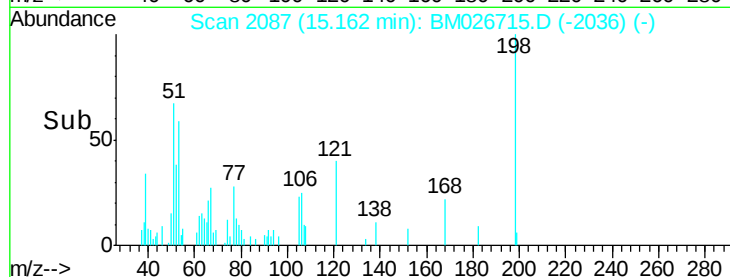
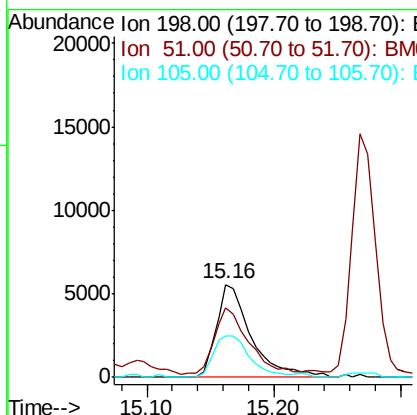
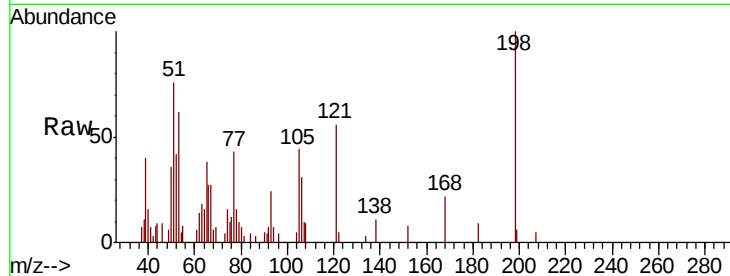
#65
4,6-Dinitro-2-methylphenol
Concen: 7.900 ng
RT: 15.16 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
198	100	10619		
51	75.7		42.0	82.0
105	44.0		24.9	64.9

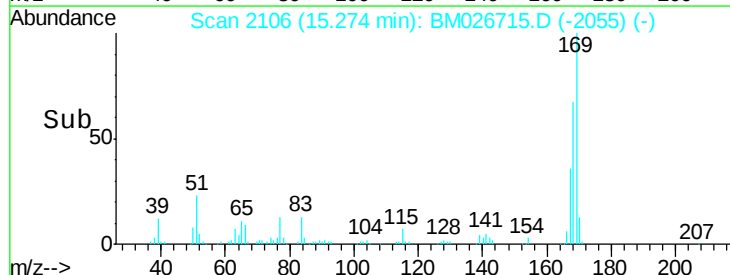
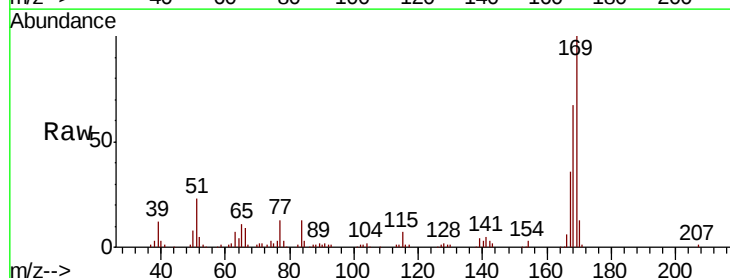
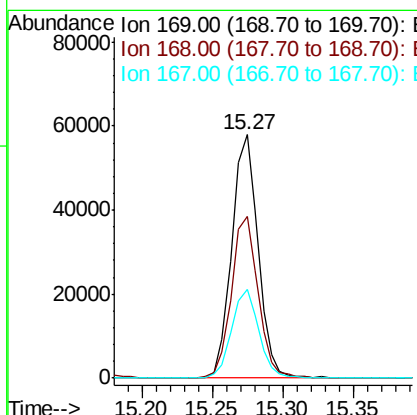
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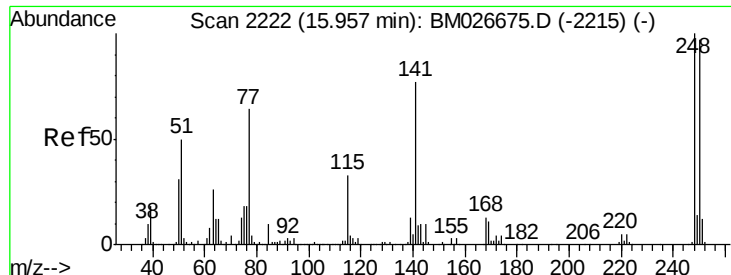
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 6.079 ng
RT: 15.27 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	75253		
168	66.6		53.8	80.8
167	36.4		28.6	43.0





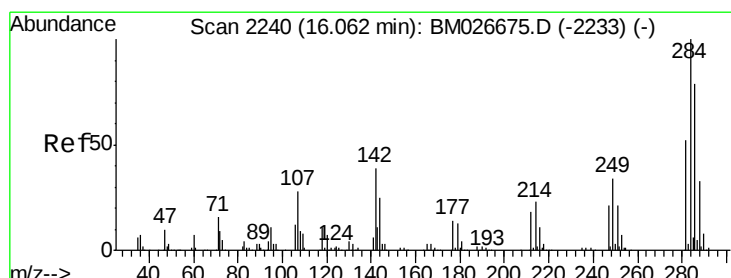
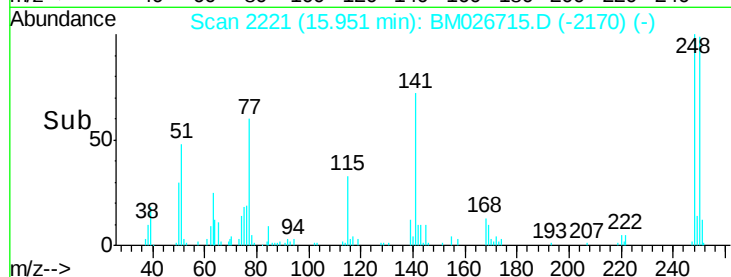
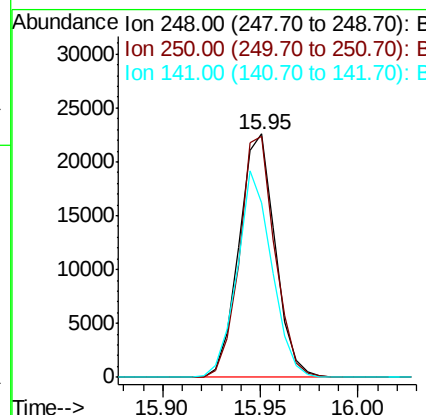
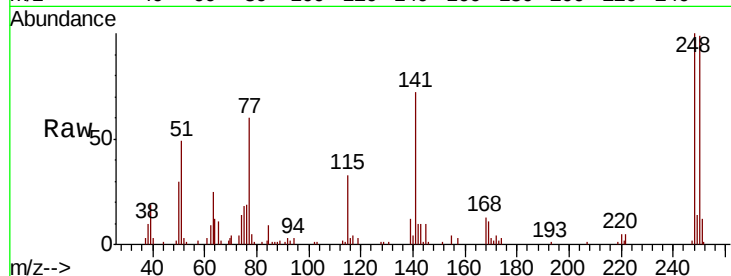
#67
 4-Bromophenyl-phenylether
 Concen: 5.962 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.4	116.2
141	71.7	61.9	92.9

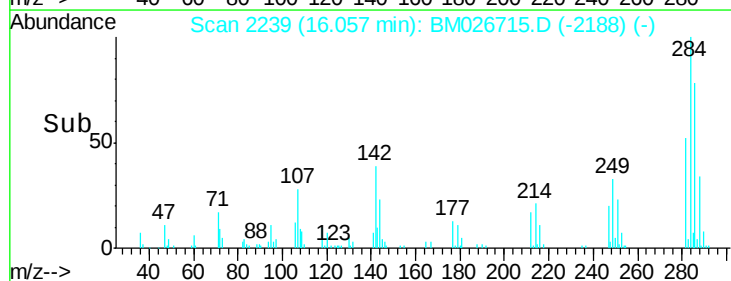
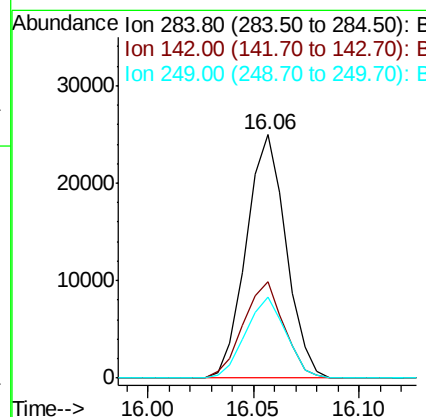
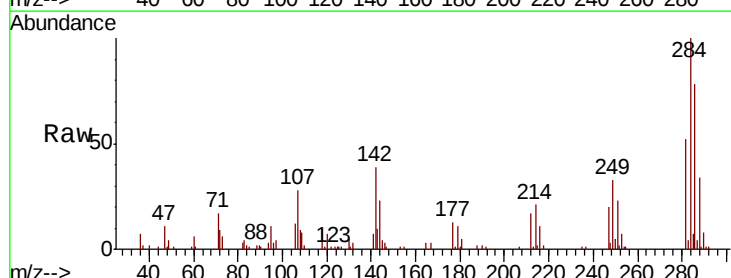
Manual Integrations
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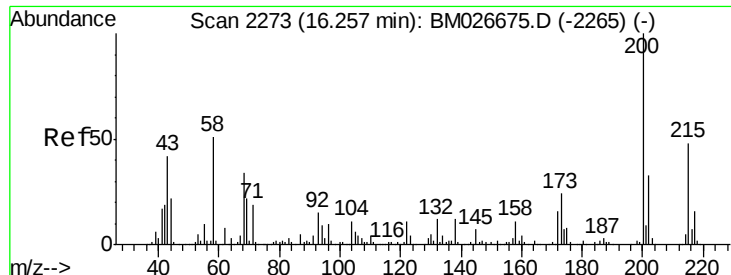
mohammad
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#68
 Hexachlorobenzene
 Concen: 6.398 ng
 RT: 16.06 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.4	31.1	46.7
249	33.4	27.4	41.0





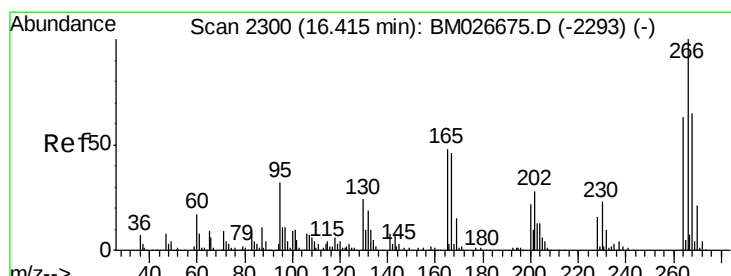
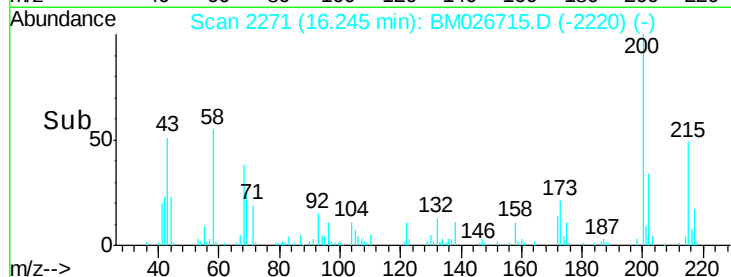
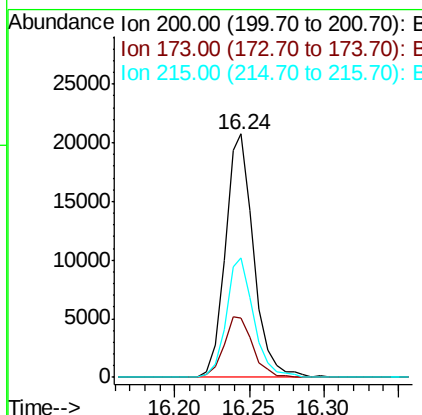
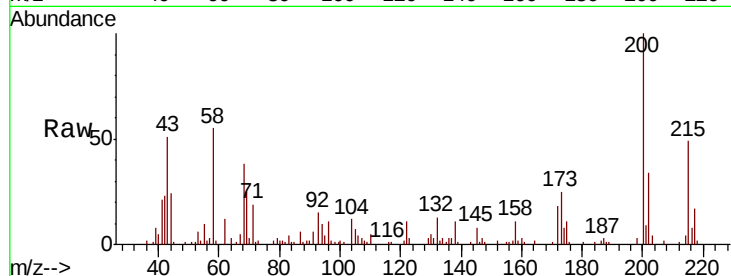
#69
 Atrazine
 Concen: 7.411 ng
 RT: 16.24 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.5	4.5	44.5
215	48.8	28.4	68.4

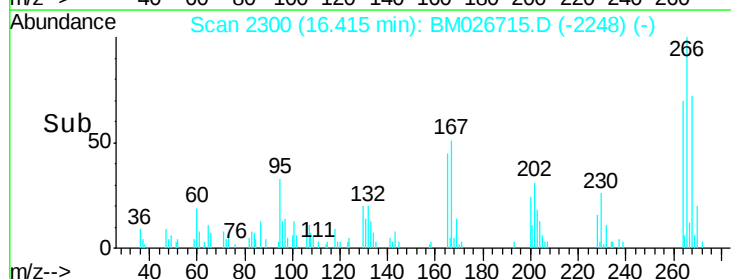
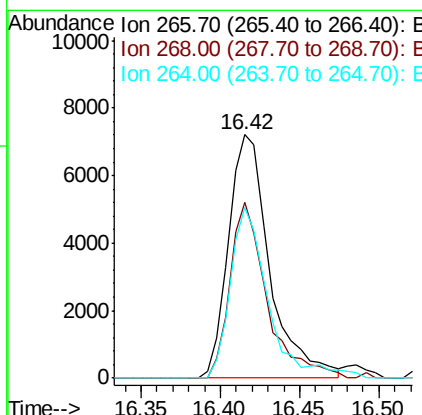
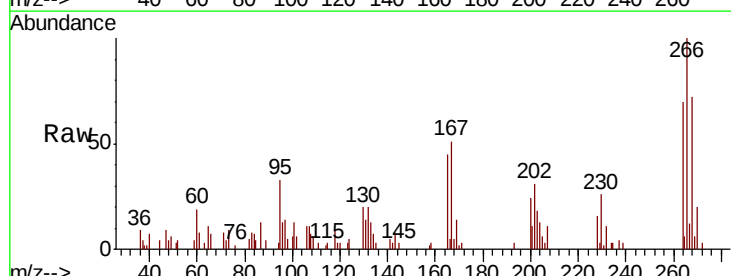
Manual Integrations
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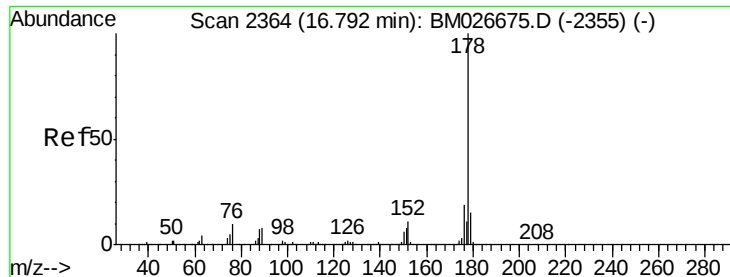
mohammad
 7/10/2020 11:51:22 AM



#70
 Pentachlorophenol
 Concen: 4.513 ng
 RT: 16.42 min Scan# 2300
 Delta R.T. 0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
266	100		
268	78.0	51.8	77.6#
264	69.9	50.1	75.1





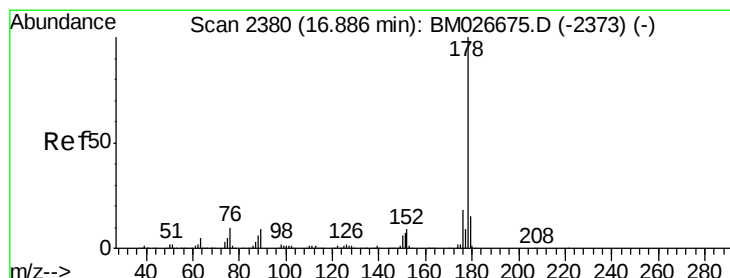
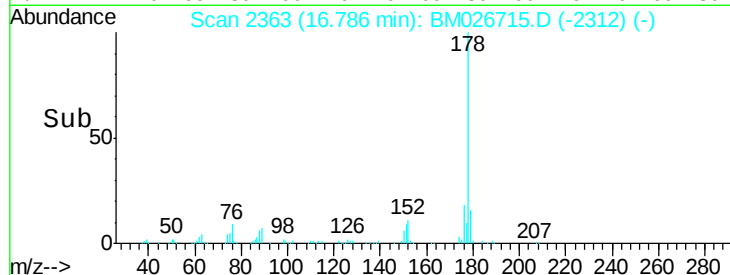
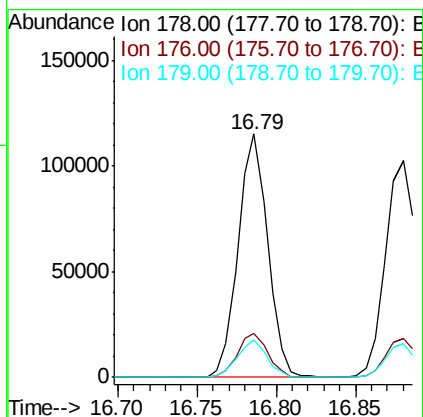
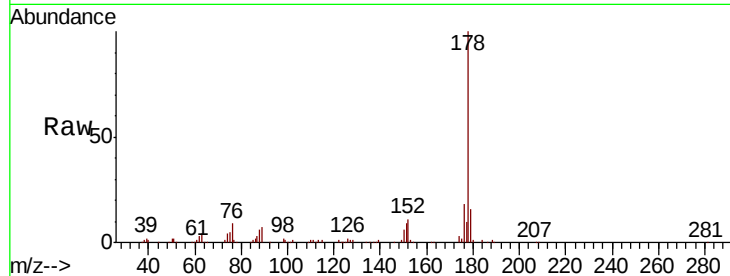
#71
Phenanthrene
Concen: 6.473 ng
RT: 16.79 min Scan# 2363
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.6
179	15.5	12.1	18.1

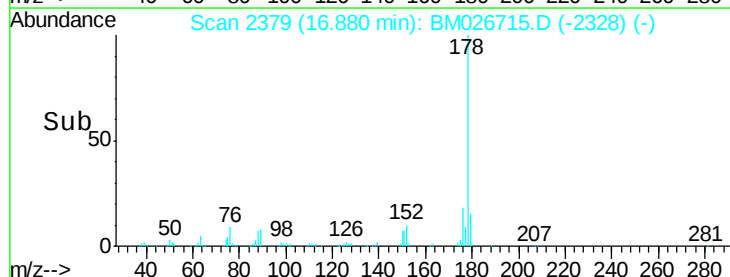
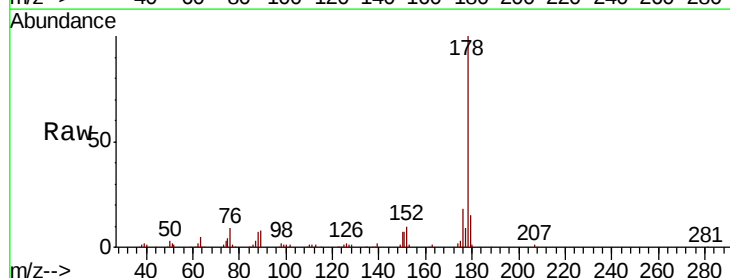
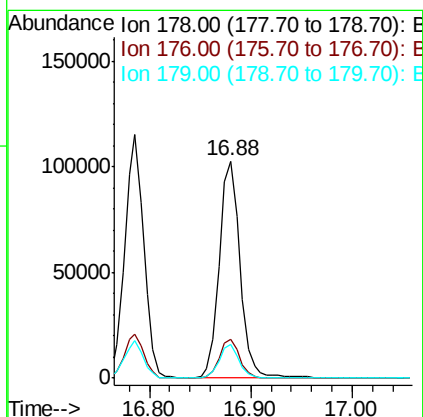
Manual Integrations
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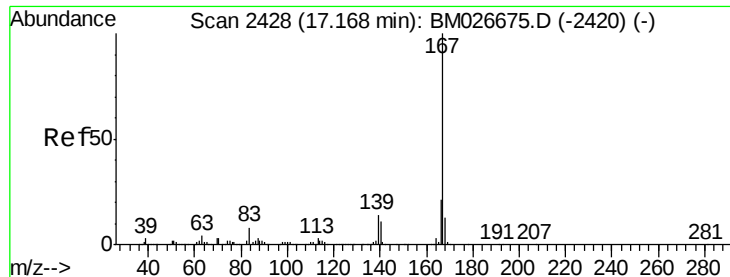
mohammad
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#72
Anthracene
Concen: 6.381 ng
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.3	12.1	18.1





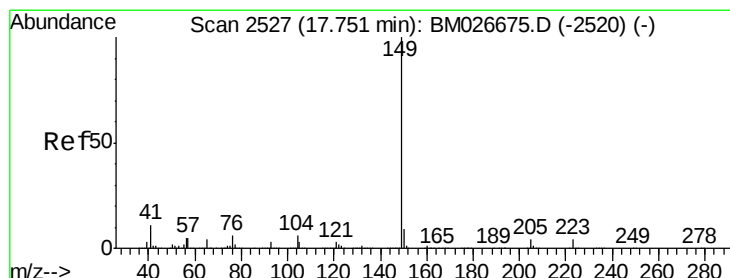
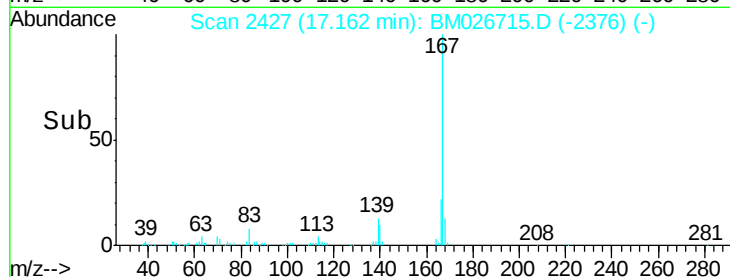
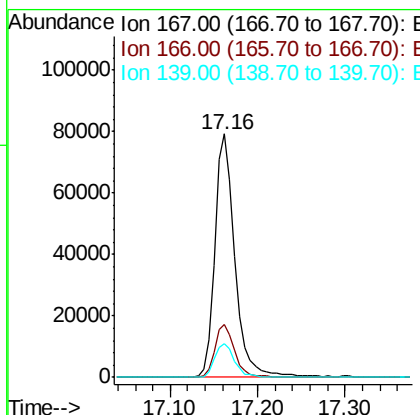
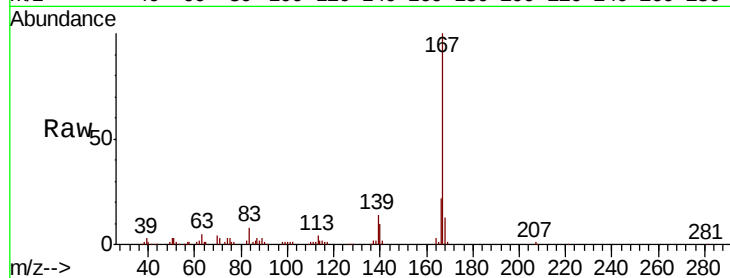
#73
 Carbazole
 Concen: 5.776 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	13.7	10.8	16.2

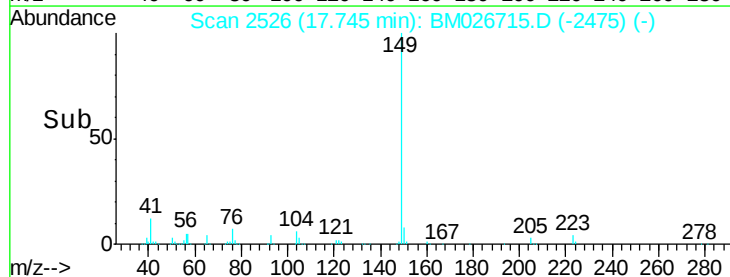
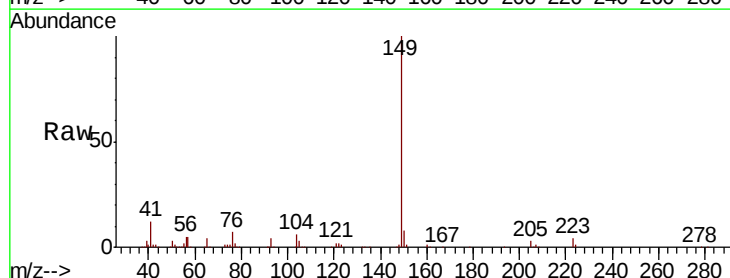
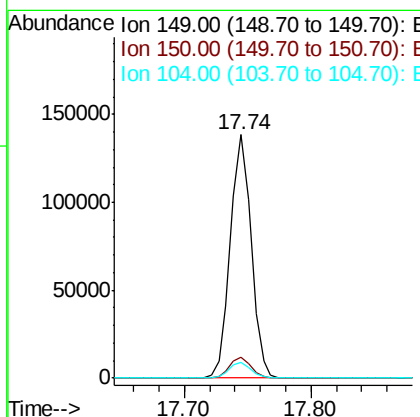
Manual Integrations
 APPROVED

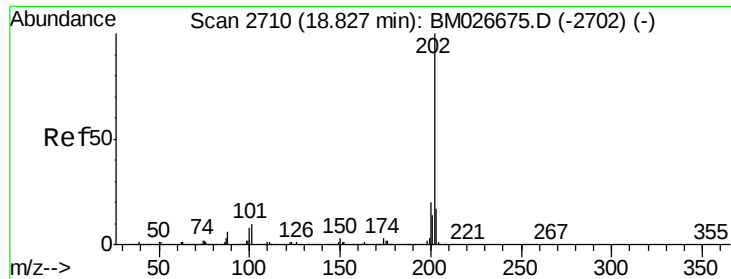
mohammad
 7/10/2020 11:51:22 AM



#74
 Di-n-butylphthalate
 Concen: 5.740 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.3	10.9
104	6.2	5.0	7.4





#75

Fluoranthene

Concen: 6.358 ng

RT: 18.82 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

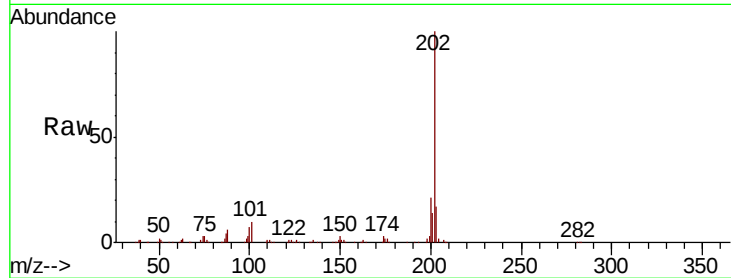
ClientSampleId :

MDL-SOIL-03-QT3-2020

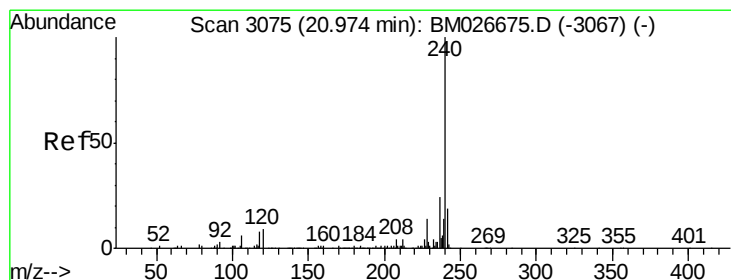
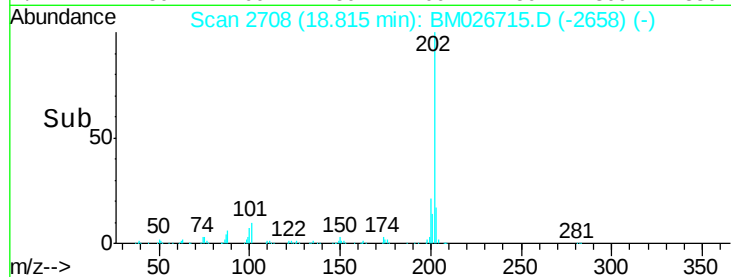
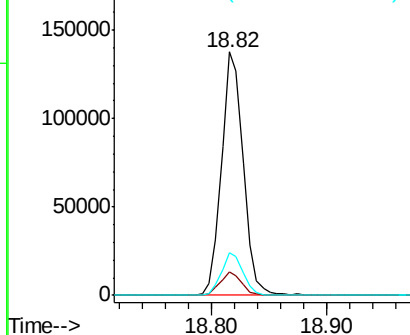
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	0.0	30.1
203	17.4	0.0	37.2

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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

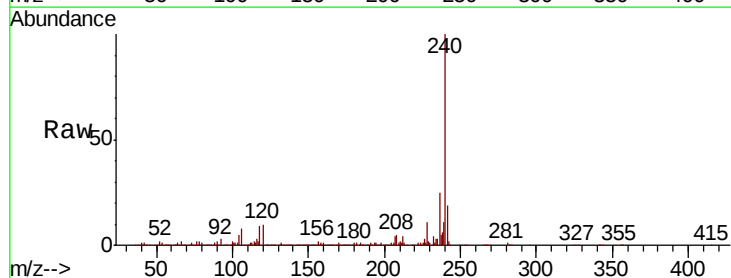
RT: 20.96 min Scan# 3073

Delta R.T. -0.01 min

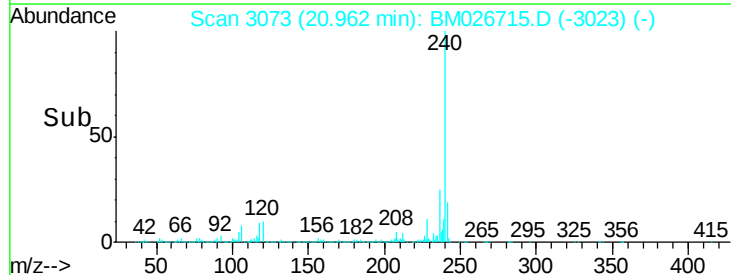
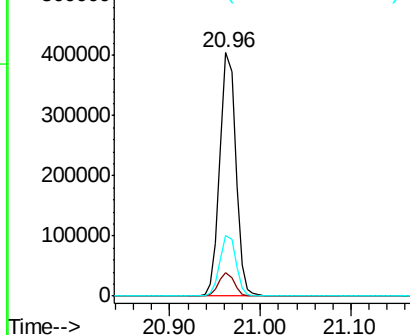
Lab File: BM026715.D

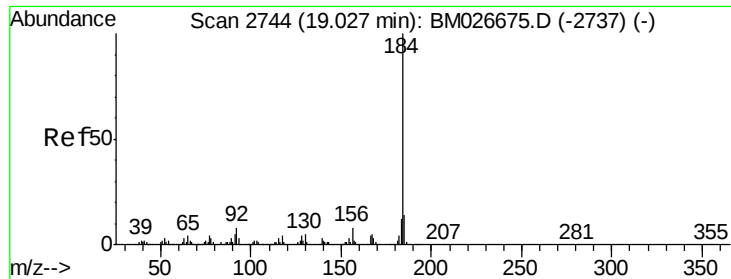
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	7.3	10.9
236	25.1	19.4	29.2



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: 6.099 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

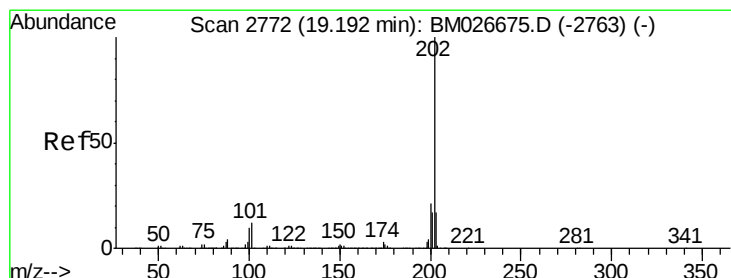
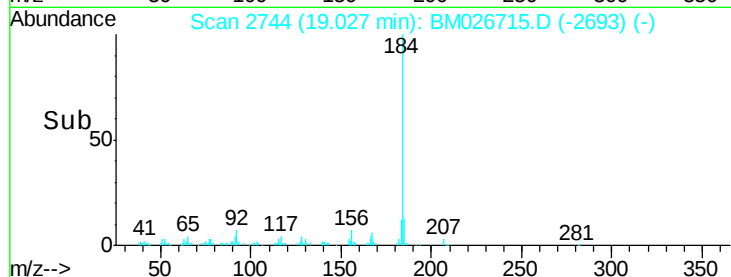
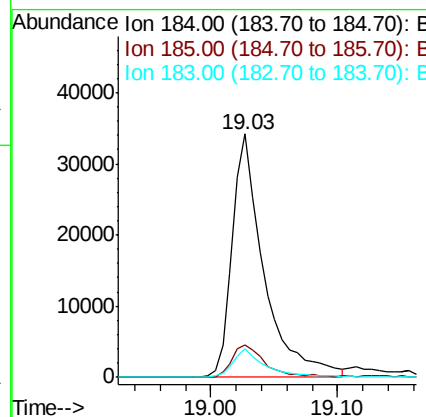
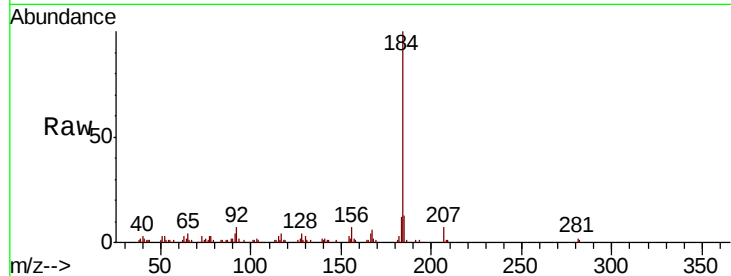
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	184	Resp:	59383
Ion Ratio	Lower	Upper	
184	100		
185	13.3	10.9	16.3
183	11.9	9.3	13.9

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#78

Pyrene

Concen: 6.127 ng

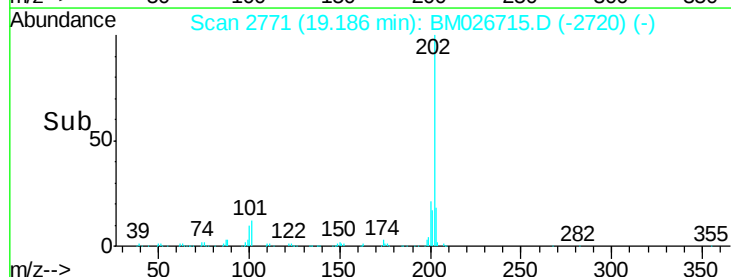
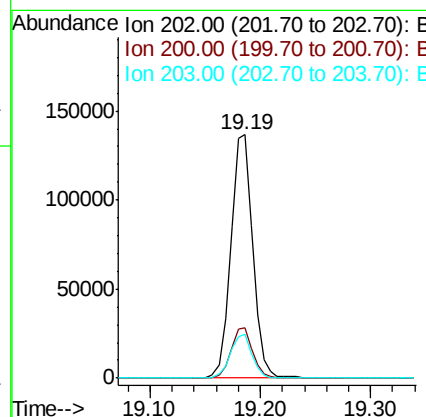
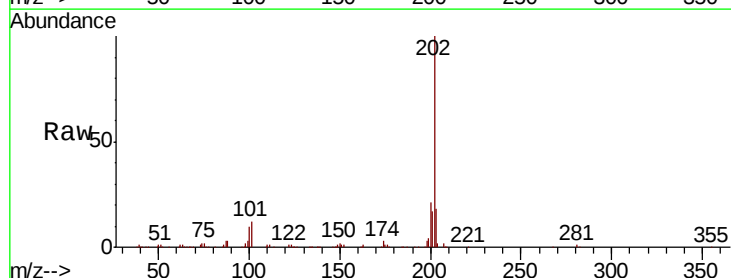
RT: 19.19 min Scan# 2771

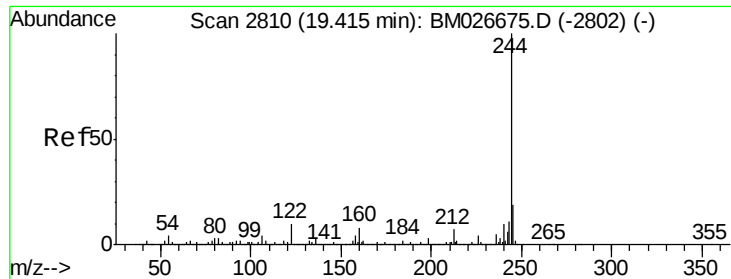
Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	202	Resp:	190600
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	24.8
203	17.9	13.7	20.5





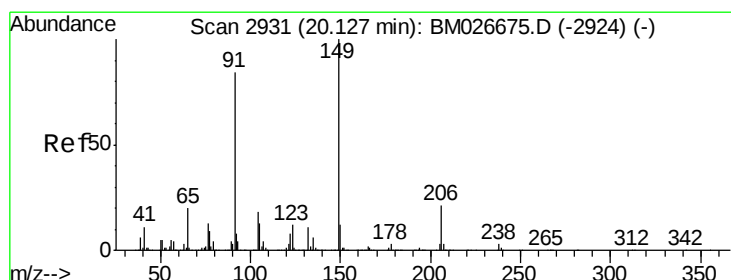
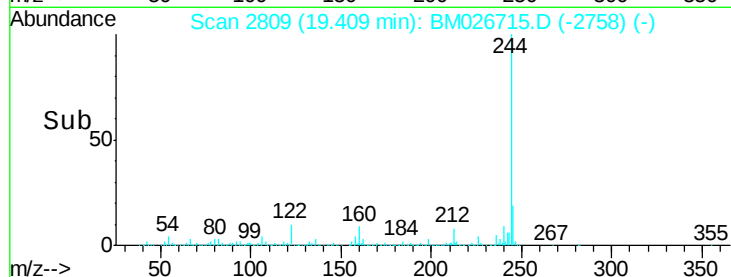
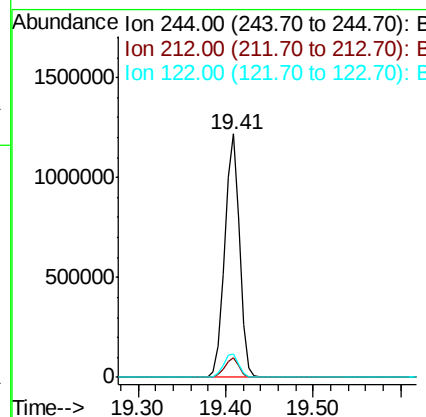
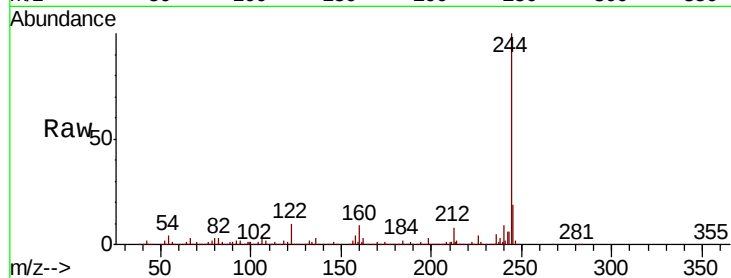
#79
 Terphenyl-d14
 Concen: 56.963 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. 0.00 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.9	8.9
122	9.7	8.2	12.4

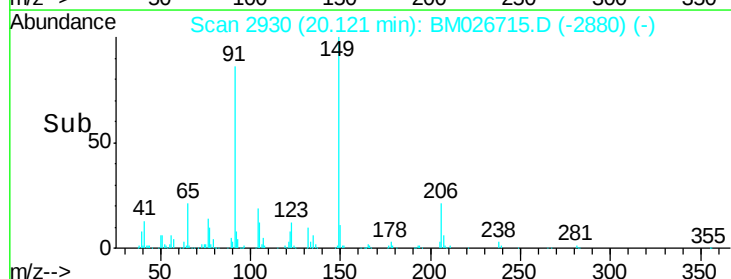
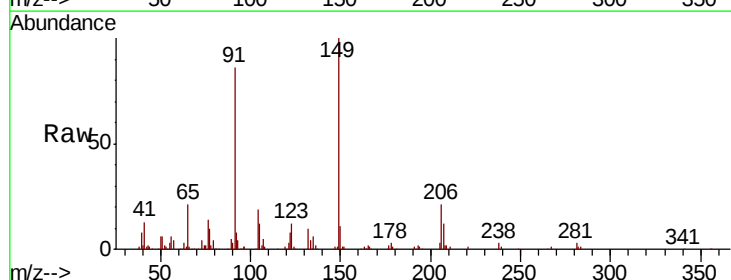
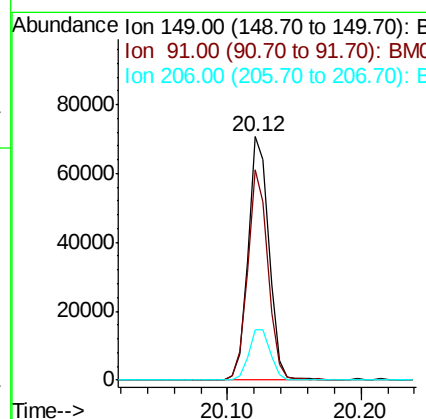
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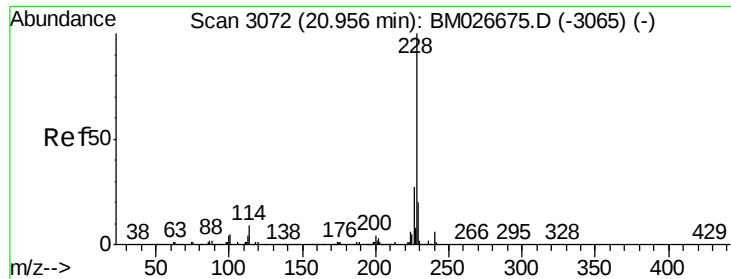
mohammad
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#80
 Butylbenzylphthalate
 Concen: 5.429 ng
 RT: 20.12 min Scan# 2930
 Delta R.T. -0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
149	100		
91	86.1	67.6	101.4
206	20.9	16.7	25.1





#81

Benzo(a)anthracene

Concen: 6.397 ng

RT: 20.95 min Scan# 3071

Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

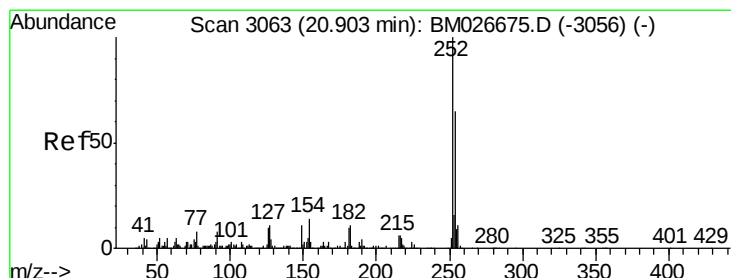
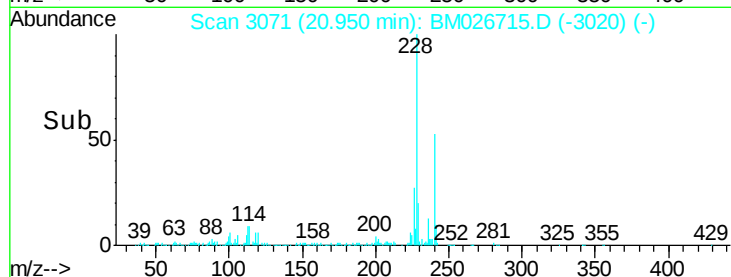
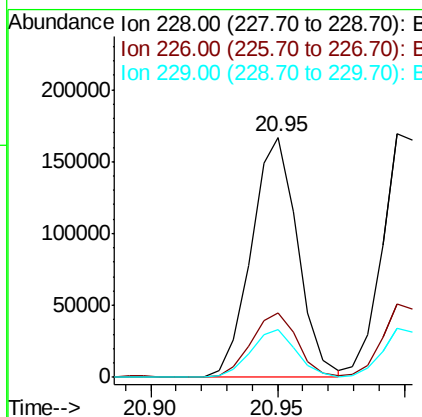
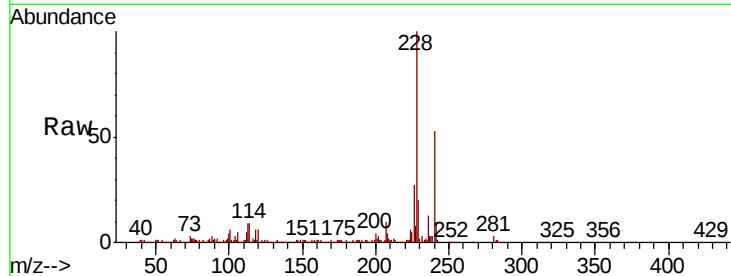
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	228	Resp:	212197
Ion Ratio	Lower	Upper	
228	100		
226	26.7	21.4	32.2
229	19.9	15.6	23.4

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#82

3,3'-Dichlorobenzidine

Concen: 6.597 ng

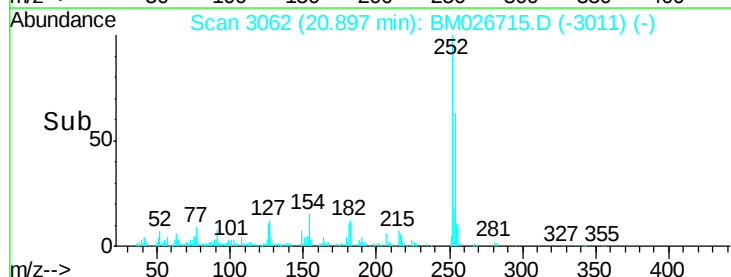
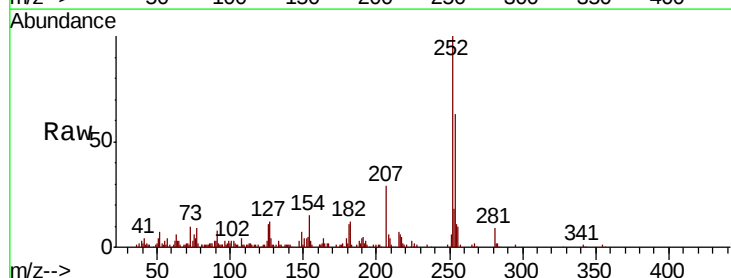
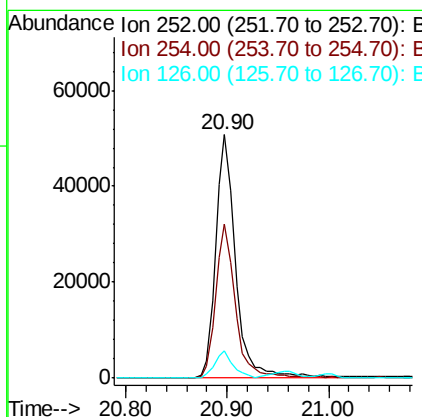
RT: 20.90 min Scan# 3062

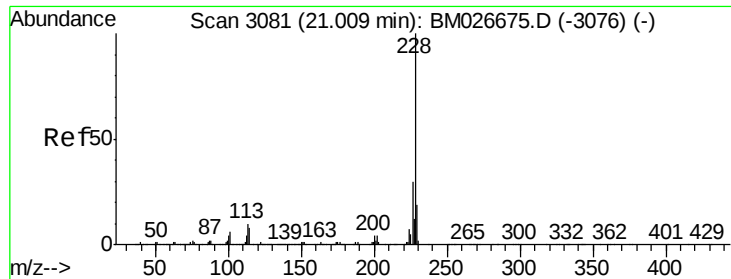
Delta R.T. 0.00 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion:	252	Resp:	69456
Ion Ratio	Lower	Upper	
252	100		
254	63.4	51.9	77.9
126	11.4	8.2	12.2





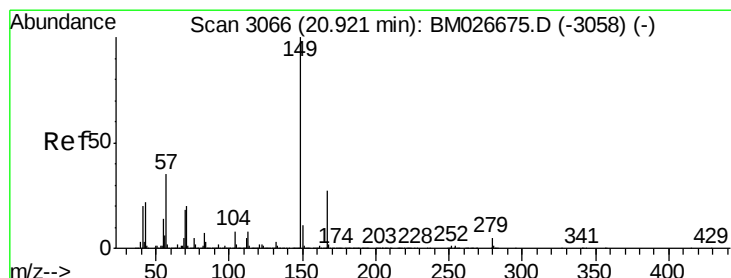
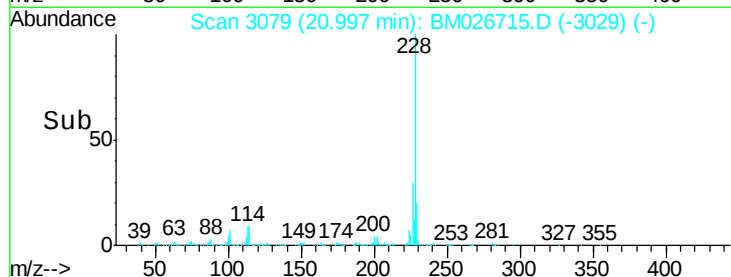
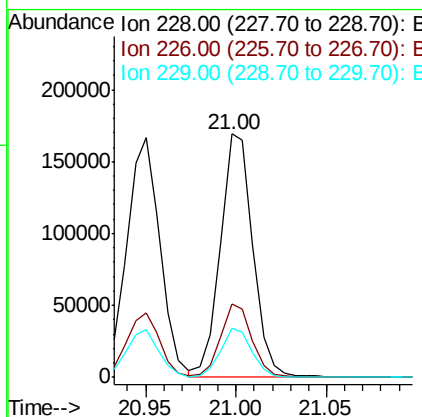
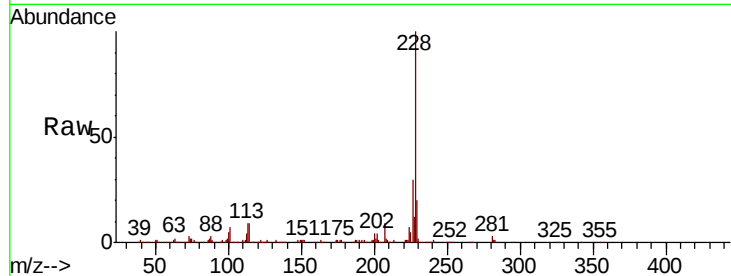
#83
Chrysene
Concen: 6.481 ng
RT: 21.00 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	20.1	15.4	23.0

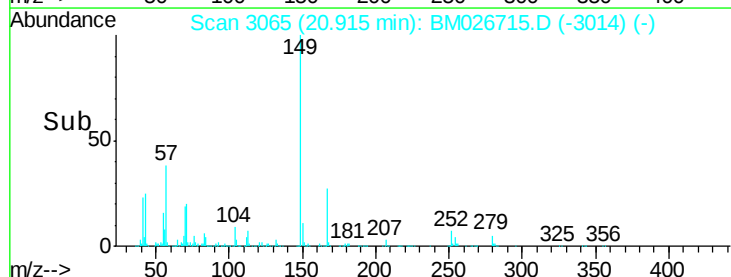
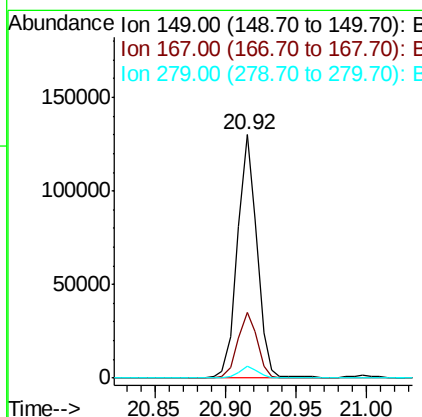
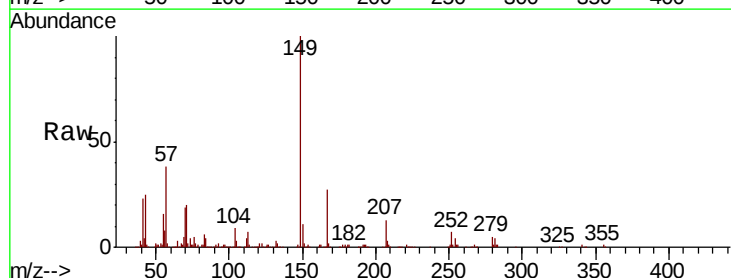
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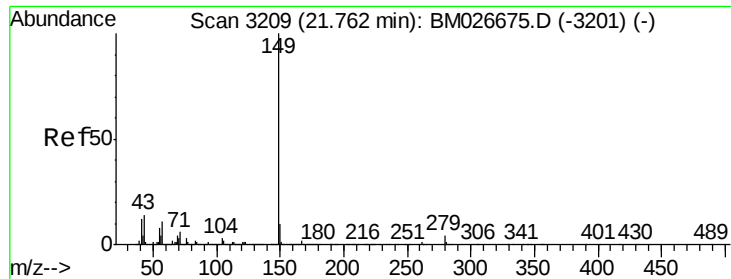
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.577 ng
RT: 20.92 min Scan# 3065
Delta R.T. 0.00 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.9	32.9
279	4.8	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 5.585 ng

RT: 21.76 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

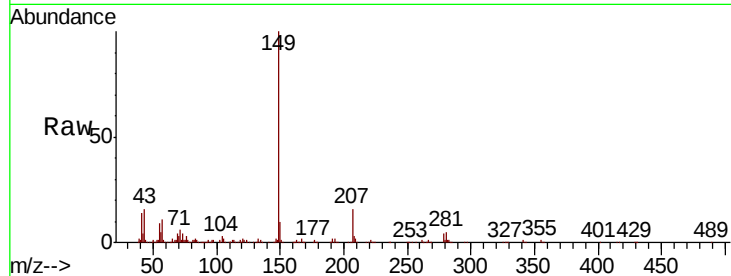
ClientSampleId :

MDL-SOIL-03-QT3-2020

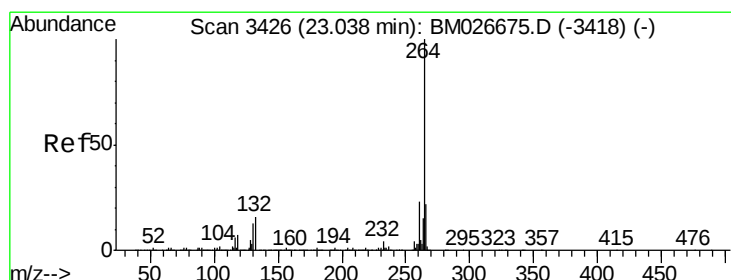
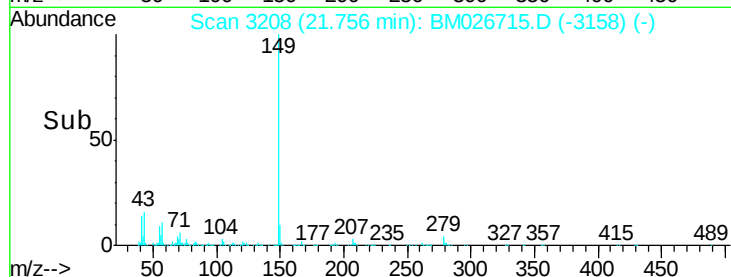
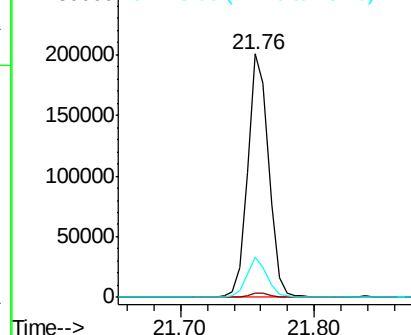
Tot Ion:	149	Resp:	213521
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	15.7	11.2	16.8

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



#86

Perylene-d12

Concen: 20.000 ng

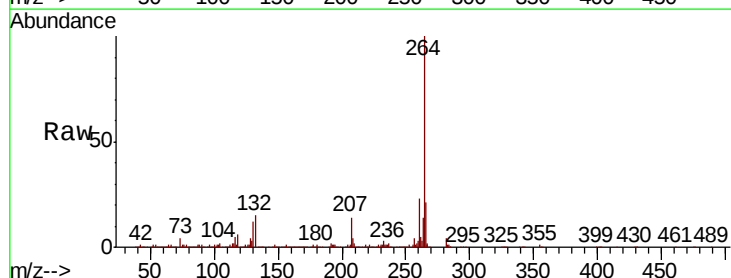
RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

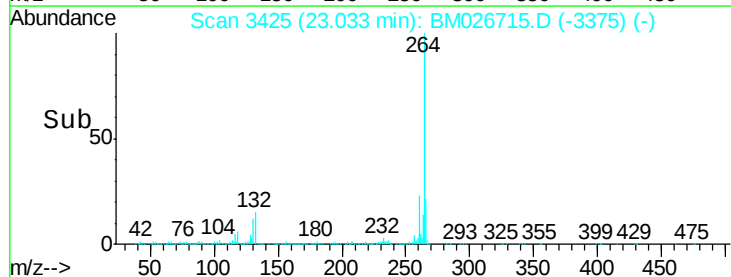
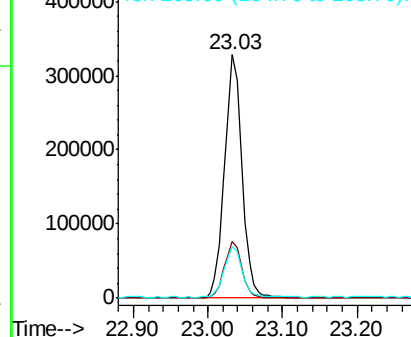
Lab File: BM026715.D

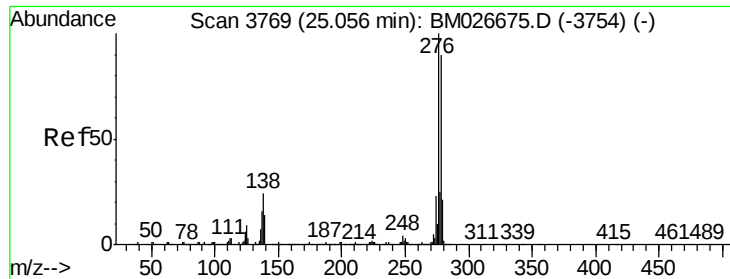
Acq: 09 Jul 2020 12:35

Tgt Ion:	264	Resp:	539729
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.2	27.2
265	21.3	17.6	26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





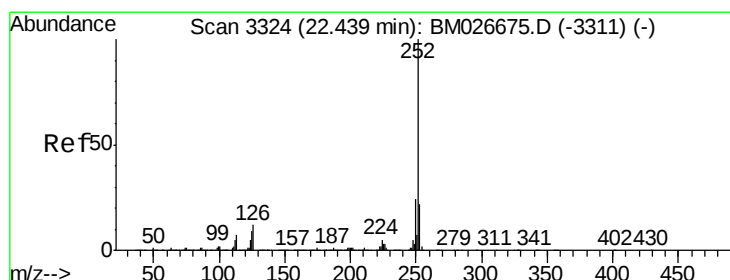
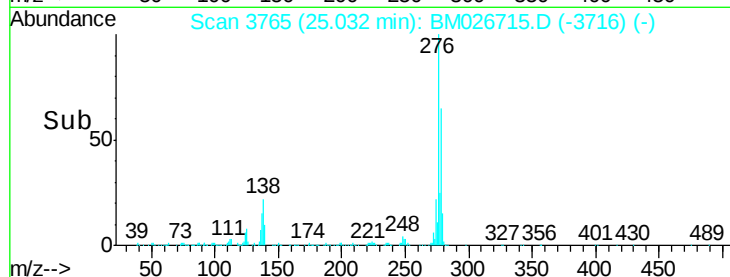
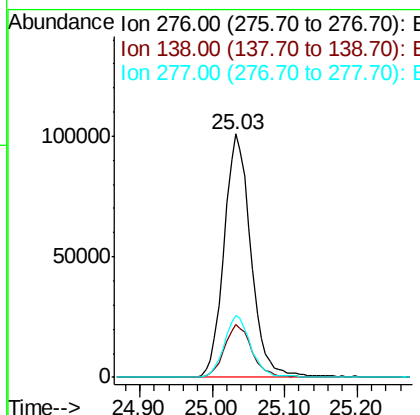
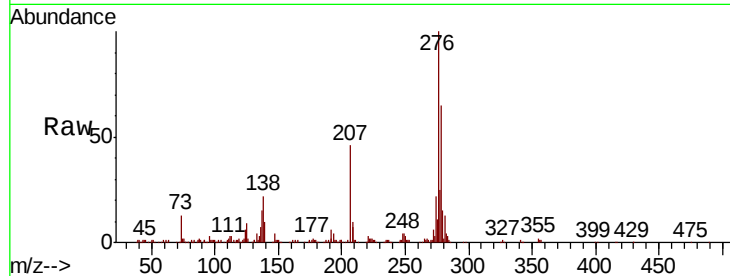
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.771 ng
 RT: 25.03 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	276	Resp:	260177
Ion Ratio	Lower	Upper	
276	100		
138	22.3	18.4	27.6
277	24.9	20.0	30.0

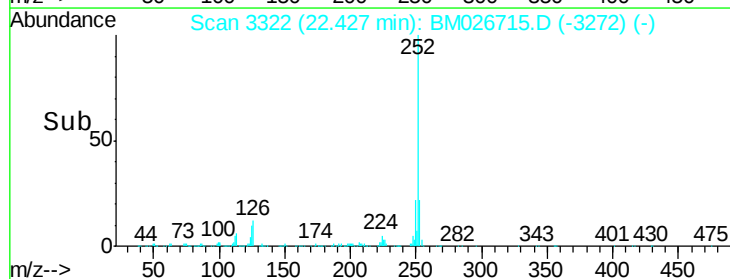
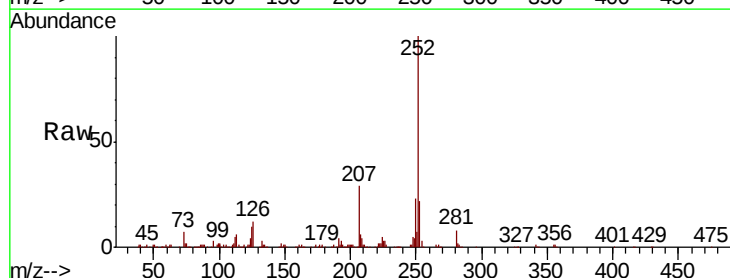
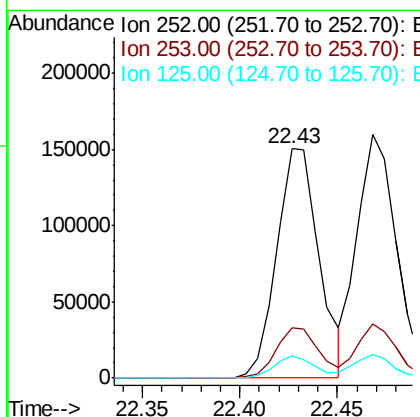
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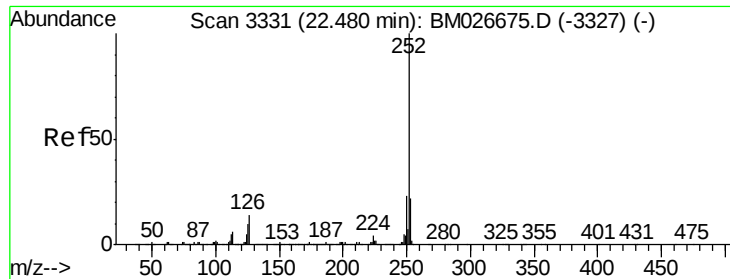
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#88
 Benzo(b)fluoranthene
 Concen: 6.351 ng
 RT: 22.43 min Scan# 3322
 Delta R.T. -0.01 min
 Lab File: BM026715.D
 Acq: 09 Jul 2020 12:35

Tgt Ion:	252	Resp:	225870
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	9.6	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 6.558 ng

RT: 22.47 min Scan# 3329

Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Instrument :

BNA_M

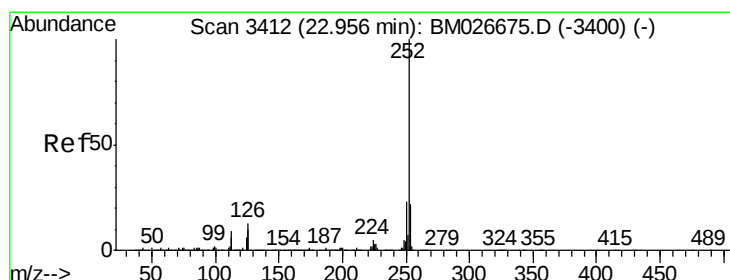
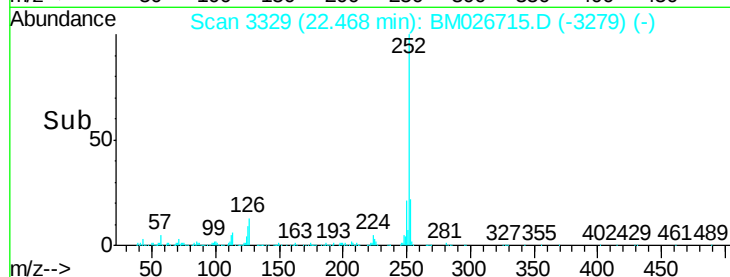
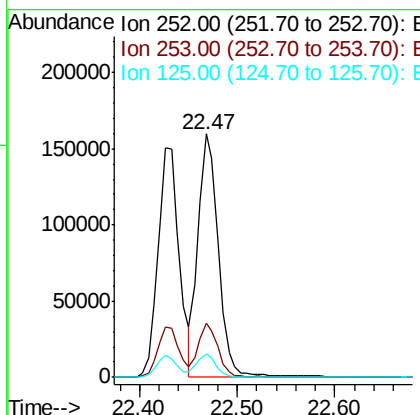
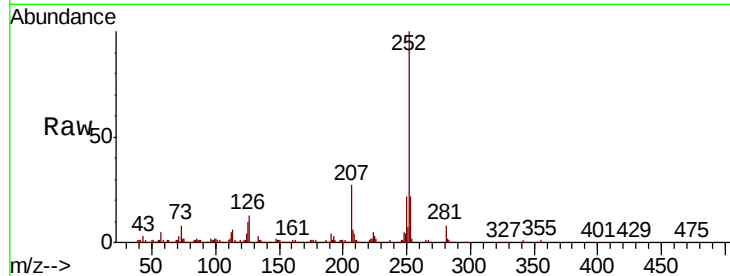
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.5	7.8	11.8

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#90

Benzo(a)pyrene

Concen: 6.121 ng

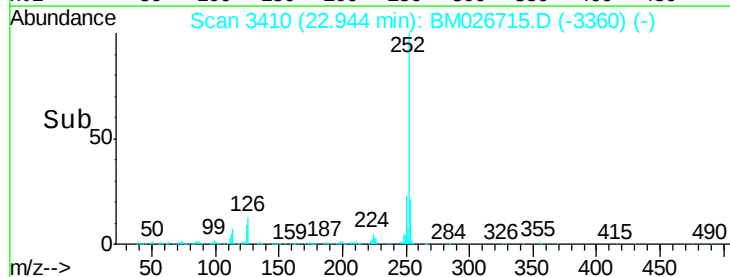
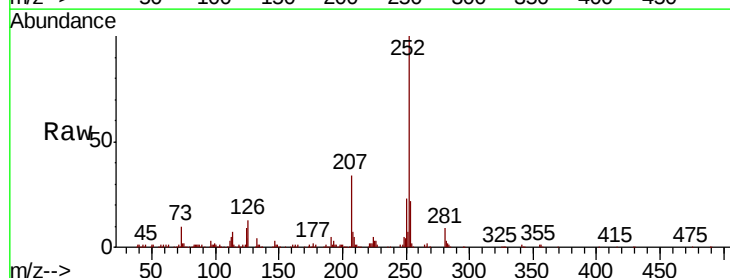
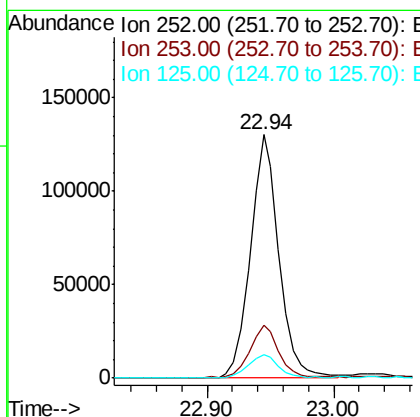
RT: 22.94 min Scan# 3410

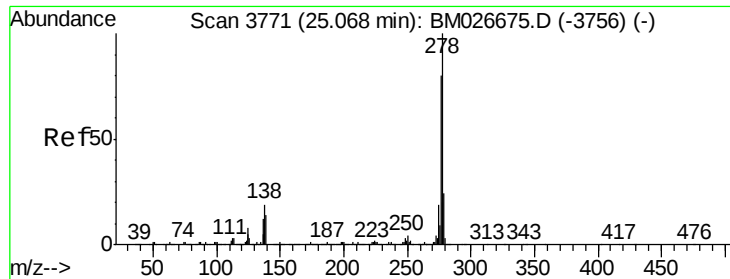
Delta R.T. -0.01 min

Lab File: BM026715.D

Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.5	8.2	12.4





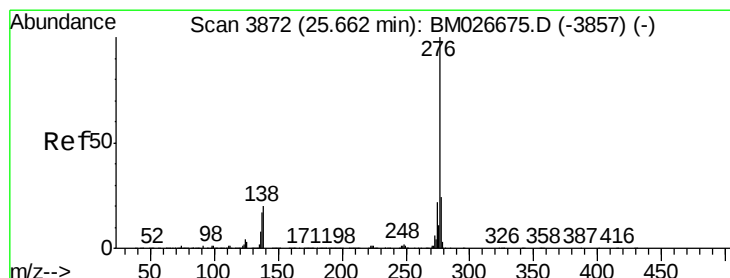
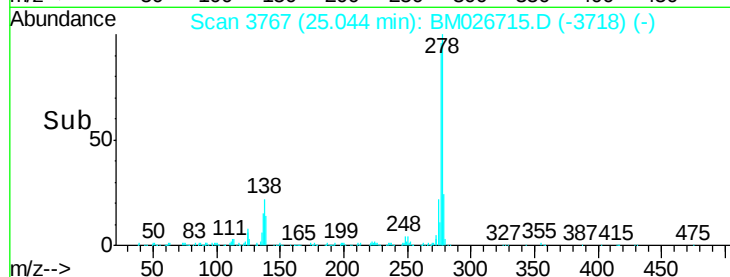
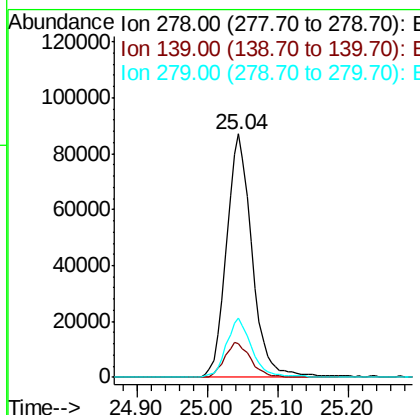
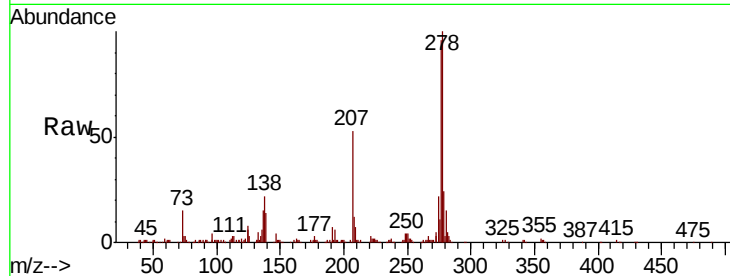
#91
Dibenzo(a,h)anthracene
Concen: 6.749 ng
RT: 25.04 min Scan# 3767
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	11.2	16.8
279	24.3	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/10/2020 11:51:22 AM



#92
Benzo(g,h,i)perylene
Concen: 7.223 ng
RT: 25.64 min Scan# 3869
Delta R.T. -0.01 min
Lab File: BM026715.D
Acq: 09 Jul 2020 12:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	17.5	15.8	23.8

