

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012320\
 Data File : BM024609.D
 Acq On : 23 Jan 2020 15:57
 Operator : CG/JU
 Sample : K5111-01
 Misc : 8 PPM LOD
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations
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mohammad
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Quant Time: Jan 23 16:47:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	207261	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	858352	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	612212	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1430666	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1534083	20.00	ng	0.00
87) Perylene-d12	23.16	264	1727227	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1406756	129.08	ng	0.00
7) Phenol-d6	6.64	99	1853164	123.43	ng	0.00
23) Nitrobenzene-d5	8.58	82	1287471	73.56	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1282314	128.77	ng	0.00
45) 2-Fluorobiphenyl	12.71	172	3312247	73.55	ng	0.00
79) Terphenyl-d14	19.50	244	6723237	81.82	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	35575	8.252	ng	98
3) Pyridine	3.46	79	102205	8.178	ng	98
4) n-Nitrosodimethylamine	3.37	42	40925	7.377	ng	# 96
6) Aniline	6.79	93	141168	7.724	ng	96
8) 2-Chlorophenol	7.02	128	92315	7.441	ng	96
9) Benzaldehyde	6.60	77	63592	7.169	ng	98
10) Phenol	6.66	94	113214	7.565	ng	97
11) bis(2-Chloroethyl)ether	6.89	93	91418	7.631	ng	95
12) 1,3-Dichlorobenzene	7.33	146	118724	7.790	ng	99
13) 1,4-Dichlorobenzene	7.48	146	120214	7.775	ng	99
14) 1,2-Dichlorobenzene	7.79	146	116261	7.790	ng	98
15) Benzyl Alcohol	7.69	79	91581	7.399	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.98	45	86427	7.880	ng	99
17) 2-Methylphenol	7.89	107	76810	7.283	ng	99
18) Hexachloroethane	8.51	117	46627	7.809	ng	94
19) n-Nitroso-di-n-propylamine	8.25	70	85159	7.555	ng	97
20) 3+4-Methylphenols	8.22	107	105230	7.208	ng	99
22) Acetophenone	8.26	105	170471	7.702	ng	# 98
24) Nitrobenzene	8.62	77	132280	7.887	ng	98
25) Isophorone	9.15	82	219496	7.381	ng	99
26) 2-Nitrophenol	9.33	139	52059	6.703	ng	99
27) 2,4-Dimethylphenol	9.40	122	75945	7.196	ng	98
28) bis(2-Chloroethoxy)methane	9.64	93	137133	7.548	ng	98
29) 2,4-Dichlorophenol	9.86	162	97346	6.827	ng	99
30) 1,2,4-Trichlorobenzene	10.07	180	125700	7.310	ng	98
31) Naphthalene	10.25	128	322859	7.447	ng	99
32) Benzoic acid	9.50	122	52868m	5.476	ng	
33) 4-Chloroaniline	10.36	127	137082	7.214	ng	98
34) Hexachlorobutadiene	10.56	225	91083	7.662	ng	98
35) Caprolactam	11.13	113	31002	6.777	ng	92
36) 4-Chloro-3-methylphenol	11.50	107	103363	6.817	ng	98
37) 2-Methylnaphthalene	11.87	142	246633	7.372	ng	96
38) 1-Methylnaphthalene	12.10	142	237750	7.471	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	160998	7.368	ng	100

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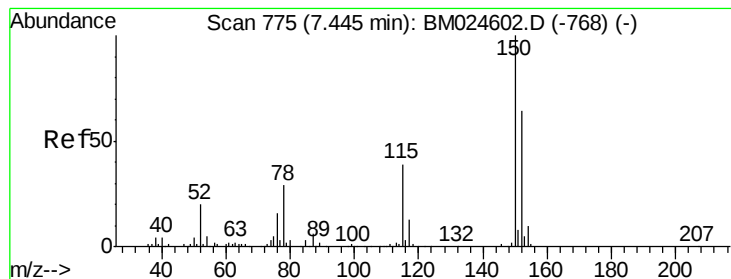
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	78083	6.376	nq	99
43) 2,4,6-Trichlorophenol	12.50	196	93308	6.711	nq	98
44) 2,4,5-Trichlorophenol	12.57	196	96741	6.813	nq	99
46) 1,1'-Biphenyl	12.92	154	348061	7.513	nq	98
47) 2-Chloronaphthalene	12.95	162	276144	7.383	nq	98
48) 2-Nitroaniline	13.16	65	78469	6.879	nq	95
49) Acenaphthylene	13.80	152	407289	7.274	nq	99
50) Dimethylphthalate	13.56	163	371808	7.511	nq	99
51) 2,6-Dinitrotoluene	13.67	165	73825	7.014	nq	96
52) Acenaphthene	14.16	154	252055	7.254	nq	100
53) 3-Nitroaniline	13.99	138	71747	6.572	nq	100
54) 2,4-Dinitrophenol	14.20	184	31619	5.024	nq	99
55) Dibenzofuran	14.49	168	421058	7.431	nq	98
56) 4-Nitrophenol	14.32	139	51830	6.074	nq	94
57) 2,4-Dinitrotoluene	14.46	165	101633	6.738	nq	99
58) Fluorene	15.14	166	341348	7.168	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.73	232	99836	6.933	nq	99
60) Diethylphthalate	14.94	149	368334	7.329	nq	98
61) 4-Chlorophenyl-phenylether	15.15	204	199770	7.277	nq	96
62) 4-Nitroaniline	15.16	138	78139	6.485	nq	89
63) Azobenzene	15.44	77	316113	7.374	nq	98
65) 4,6-Dinitro-2-methylphenol	15.23	198	48993	5.824	nq	97
66) n-Nitrosodiphenylamine	15.37	169	293859	7.151	nq	97
67) 4-Bromophenyl-phenylether	16.05	248	128055	7.198	nq	97
68) Hexachlorobenzene	16.16	284	151661	7.428	nq	96
69) Atrazine	16.33	200	108243	6.862	nq	100
70) Pentachlorophenol	16.50	266	77422	6.226	nq	96
71) Phenanthrene	16.88	178	567772	7.329	nq	99
72) Anthracene	16.97	178	542667	7.159	nq	99
73) Carbazole	17.24	167	491837	7.127	nq	100
74) Di-n-butylphthalate	17.84	149	597977	6.778	nq	100
75) Fluoranthene	18.91	202	687966	7.115	nq	99
77) Benzidine	19.10	184	226318	6.335	nq	99
78) Pyrene	19.27	202	720127	7.121	nq	99
80) Butylbenzylphthalate	20.22	149	264742	6.239	nq	99
81) Benzo(a)anthracene	21.03	228	788042	7.401	nq	99
82) 3,3'-Dichlorobenzidine	20.98	252	253576	6.621	nq	99
83) Chrysene	21.09	228	745385	7.337	nq	100
84) Bis(2-ethylhexyl)phthalate	21.01	149	400037	6.389	nq	99
85) Di-n-octyl phthalate	21.86	149	656553	6.347	nq	100
86) Indeno(1,2,3-cd)pyrene	25.23	276	811340	7.327	nq	98
88) Benzo(b)fluoranthene	22.54	252	785360	7.011	nq	100
89) Benzo(k)fluoranthene	22.58	252	762963	6.978	nq	99
90) Benzo(a)pyrene	23.07	252	698299	6.856	nq	100
91) Dibenzo(a,h)anthracene	25.24	278	685974	7.096	nq	98
92) Benzo(g,h,i)perylene	25.85	276	623687	7.105	nq	99

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



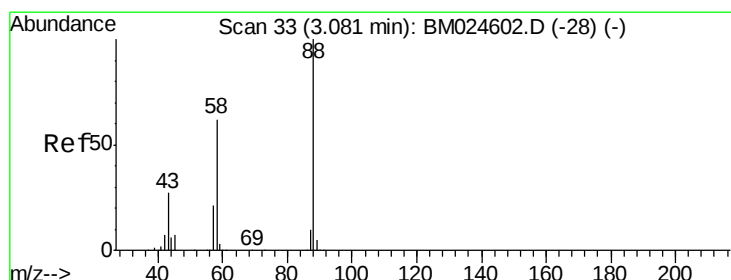
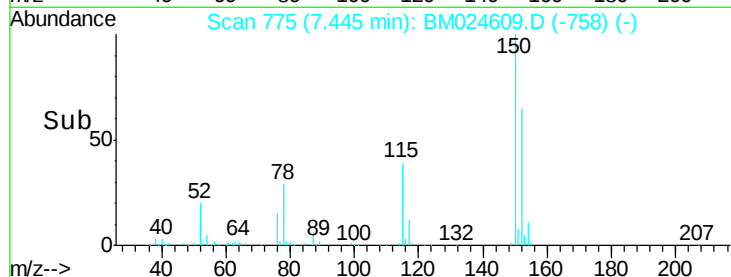
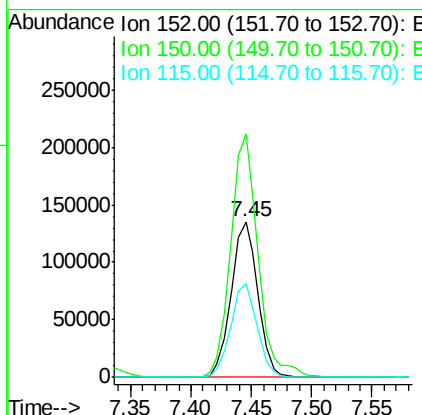
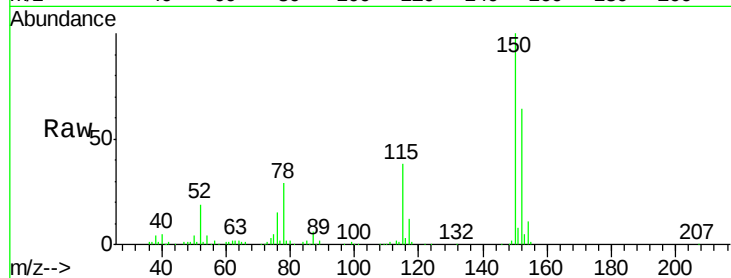
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.45 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.2	186.4
115	60.2	48.6	72.8

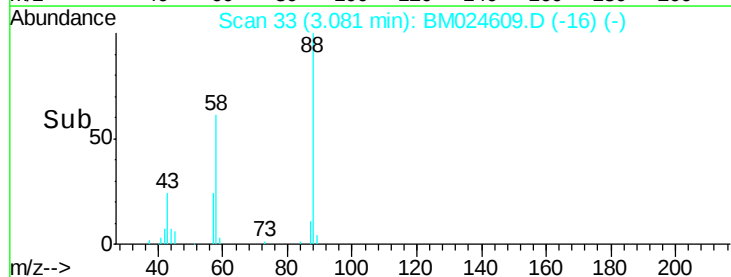
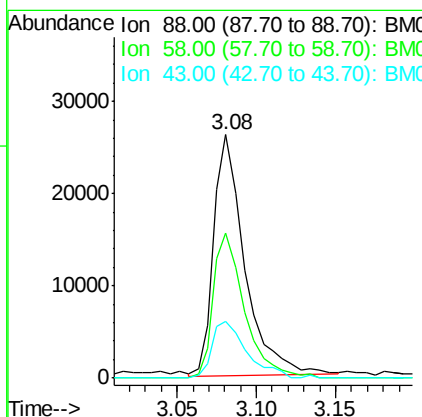
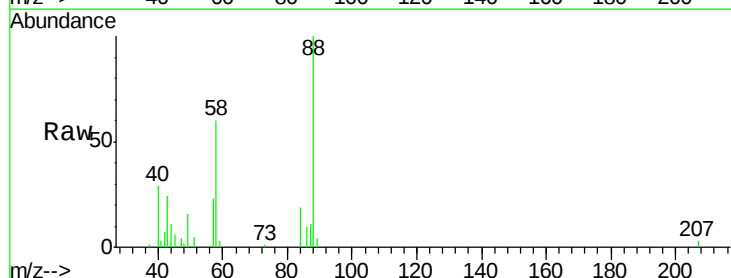
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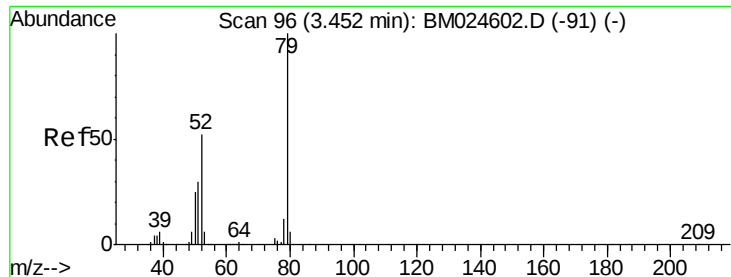
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#2
 1,4-Dioxane
 Concen: 8.252 ng
 RT: 3.08 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.7	50.0	75.0
43	26.5	21.6	32.4





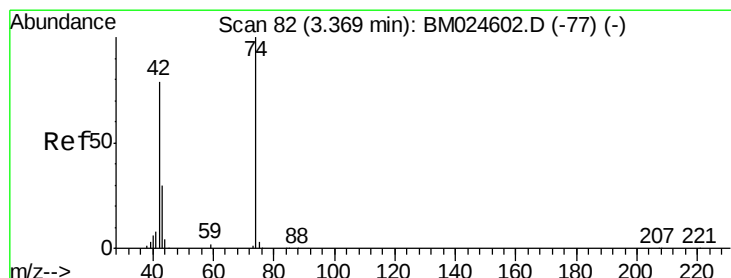
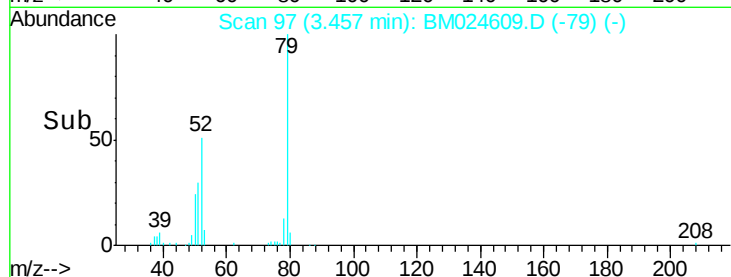
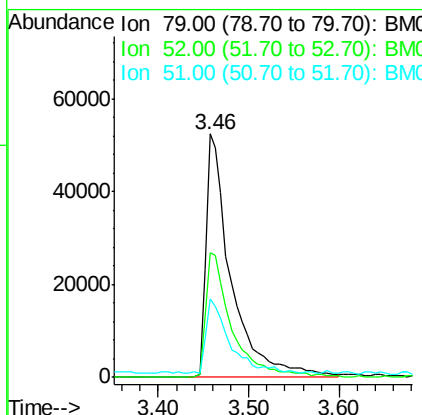
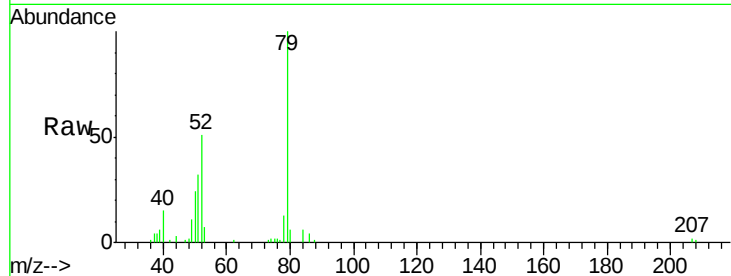
#3
 Pvridine
 Concen: 8.178 ng
 RT: 3.46 min Scan# 97
 Delta R.T. 0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
79	100	102205		
52	51.2		41.4	62.2
51	32.3		23.8	35.8

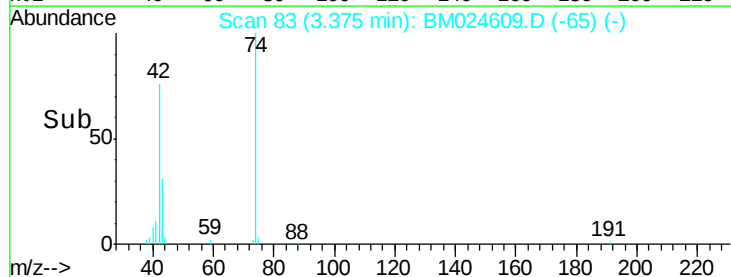
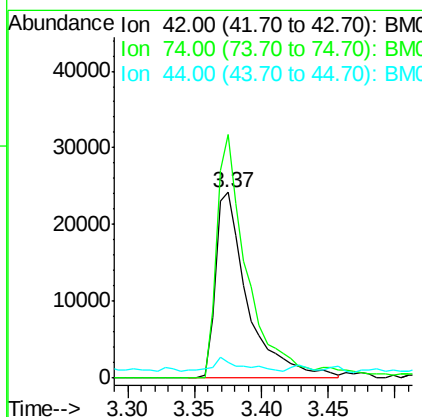
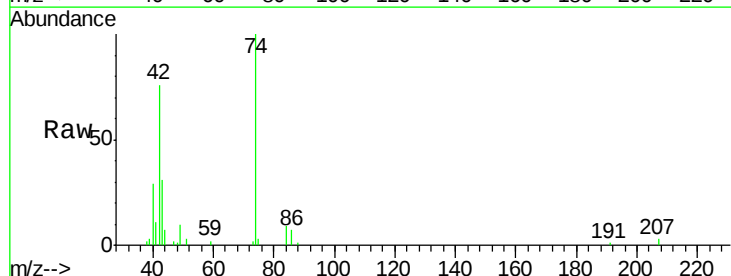
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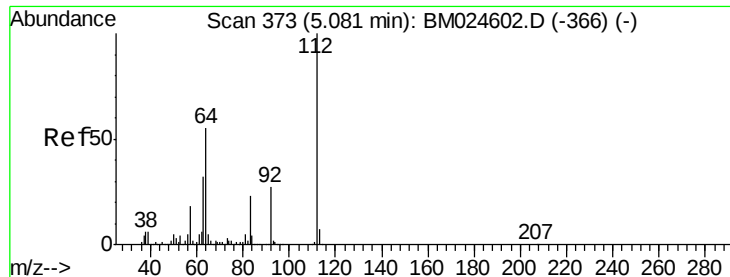
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#4
 n-Nitrosodimethylamine
 Concen: 7.377 ng
 RT: 3.37 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	40925		
74	131.0		101.4	152.2
44	8.8		4.6	6.8#





#5

2-Fluorophenol

Concen: 129.079 ng

RT: 5.08 min Scan# 373

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

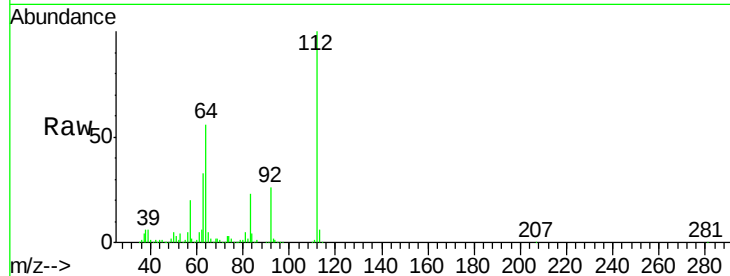
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	112	Resp:	1406756
Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.2	66.4
63	32.5	25.9	38.9

Manual Integrations
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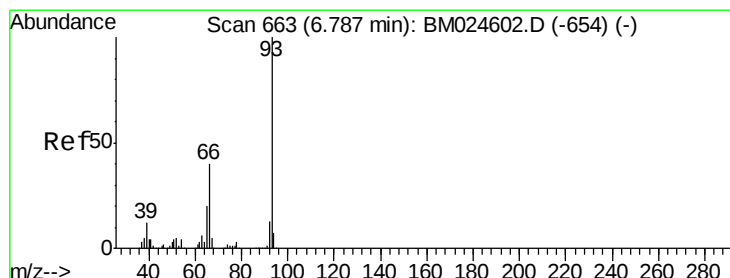
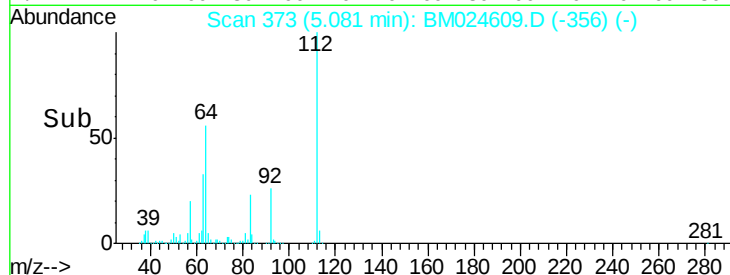
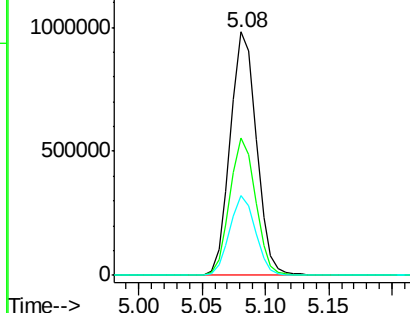
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 7.724 ng

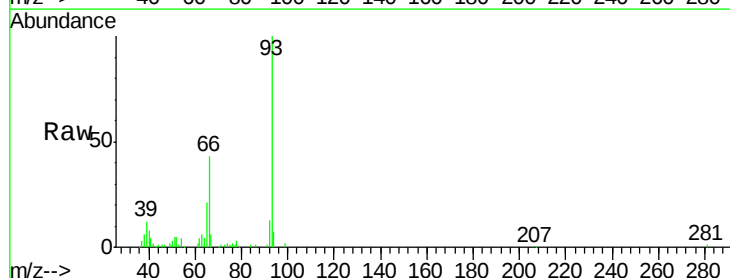
RT: 6.79 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

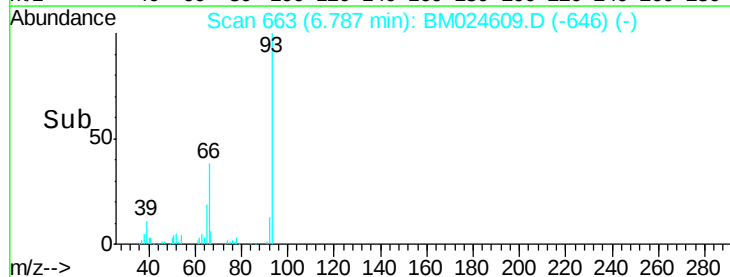
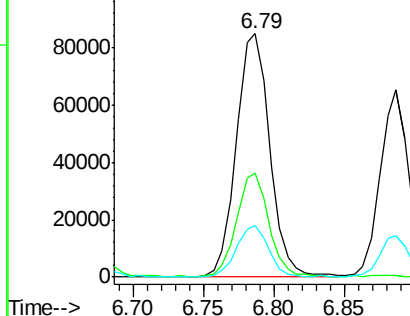
Tgt Ion:	93	Resp:	141168
Ion	Ratio	Lower	Upper
93	100		
66	42.6	31.8	47.8
65	21.2	15.8	23.6

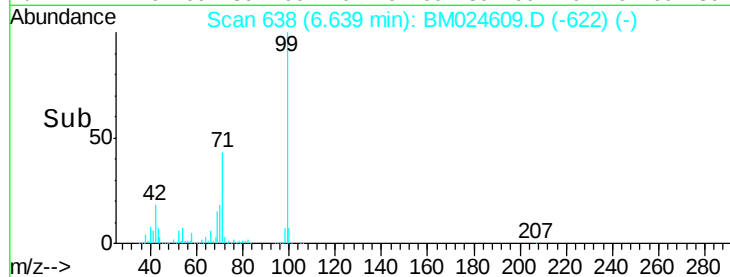
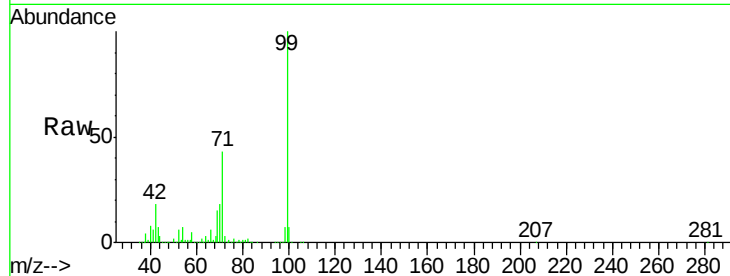
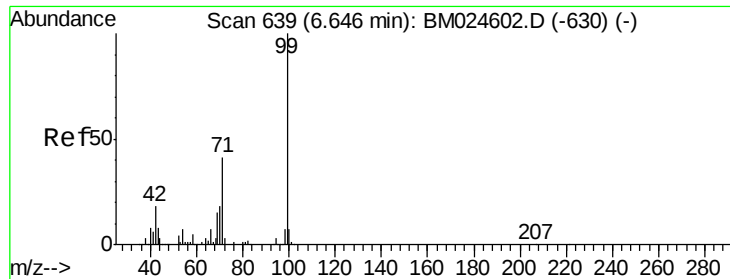


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 123.435 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tot Ion:	99	Resp:	1853164
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.1	21.1
71	42.8	33.0	49.6

Instrument :

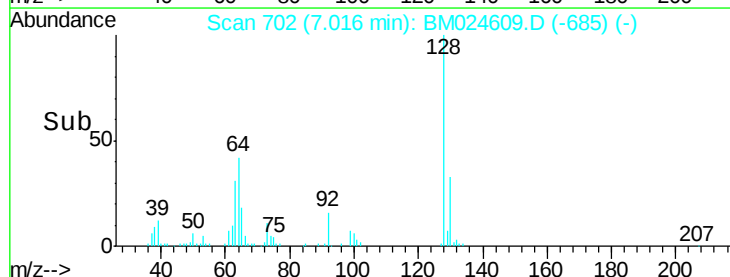
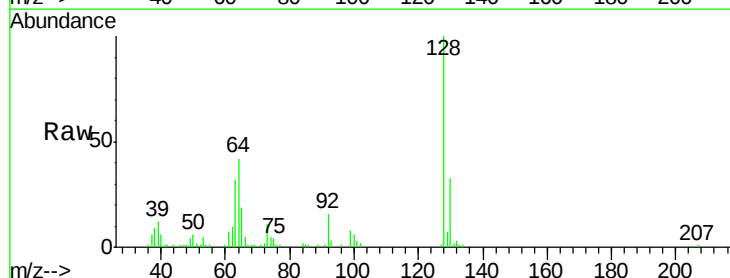
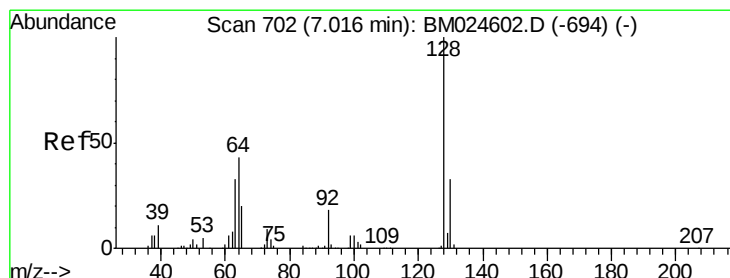
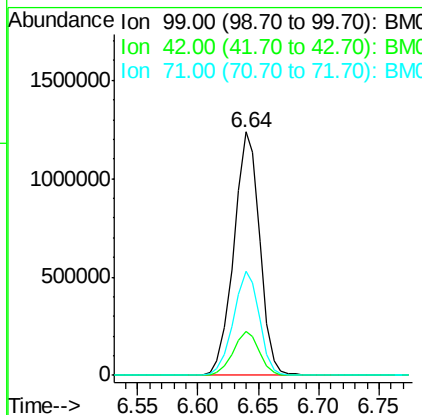
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#8

2-Chlorophenol

Concen: 7.441 ng

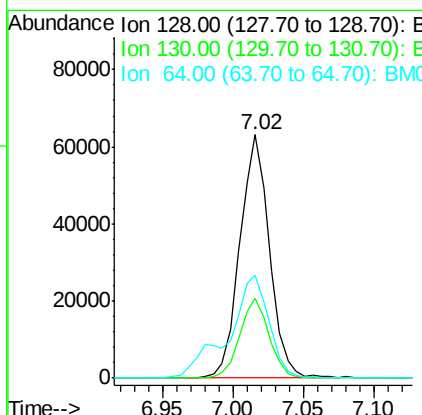
RT: 7.02 min Scan# 702

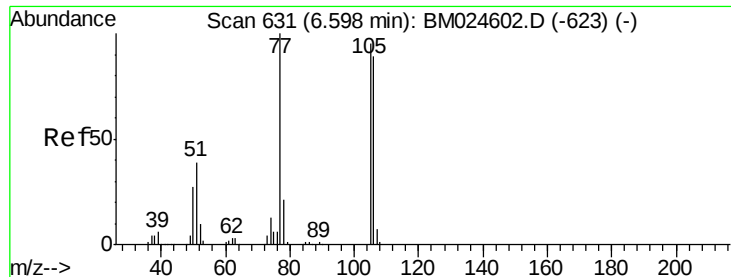
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	128	Resp:	92315
Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.5	52.5
64	42.1	26.1	66.1





#9

Benzaldehyde

Concen: 7.169 ng

RT: 6.60 min Scan# 631

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

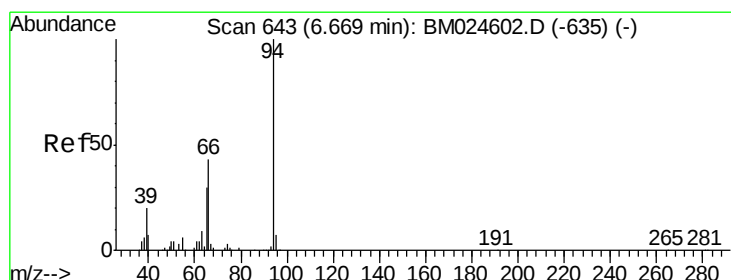
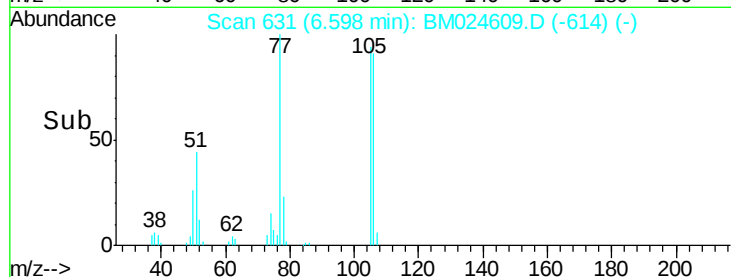
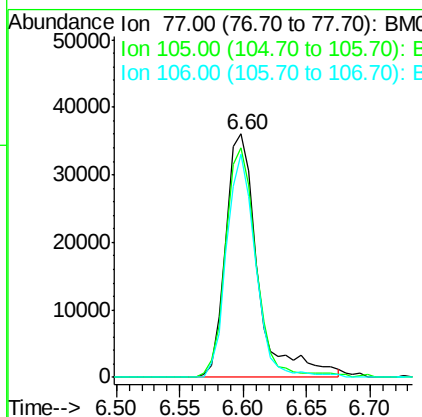
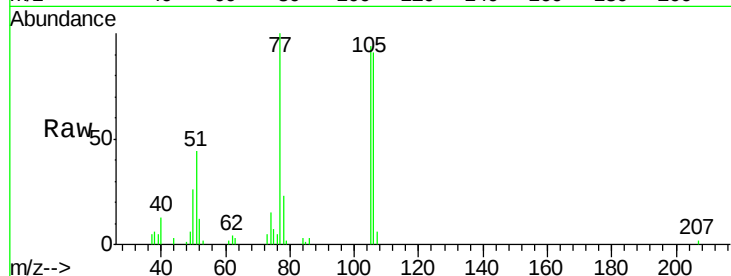
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	77	Resp:	63592
Ion	Ratio	Lower	Upper
77	100		
105	94.4	75.2	115.2
106	91.5	68.6	108.6

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#10

Phenol

Concen: 7.565 ng

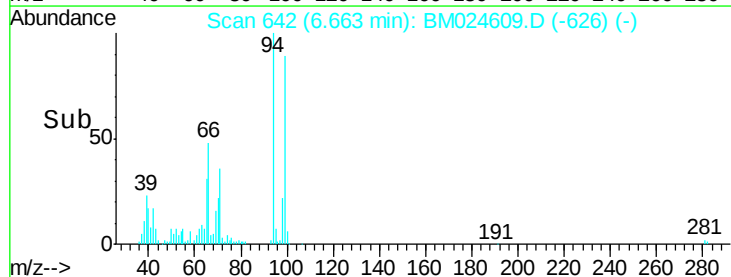
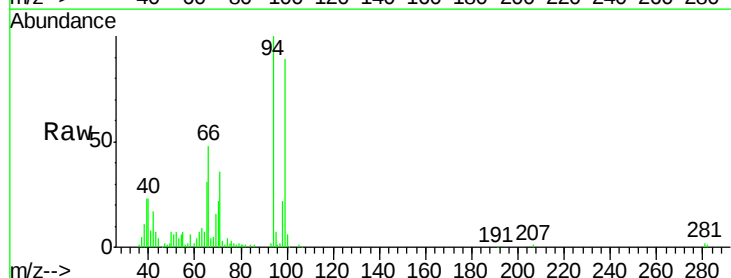
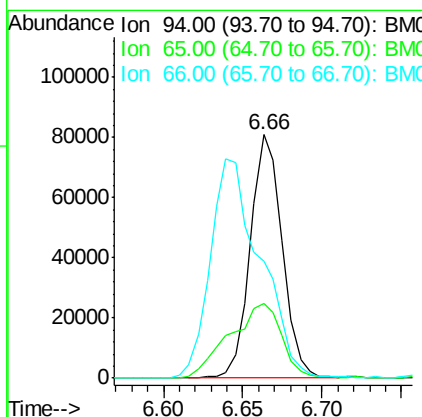
RT: 6.66 min Scan# 642

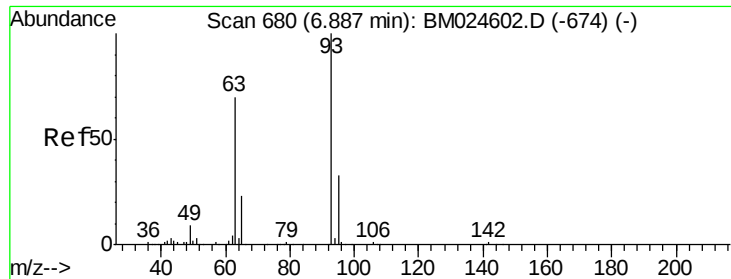
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	94	Resp:	113214
Ion	Ratio	Lower	Upper
94	100		
65	30.7	10.3	50.3
66	47.8	24.8	64.8





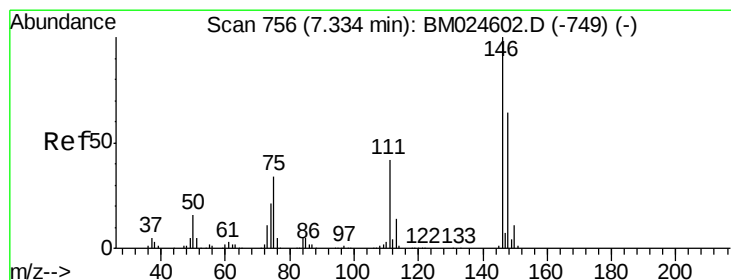
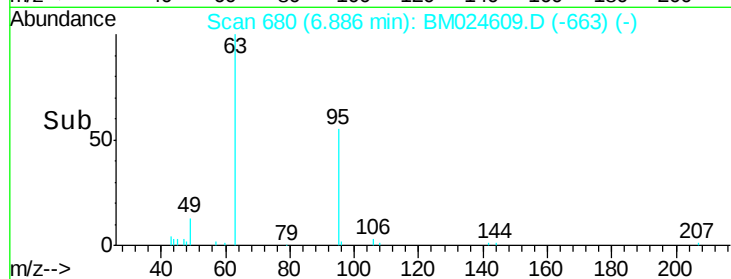
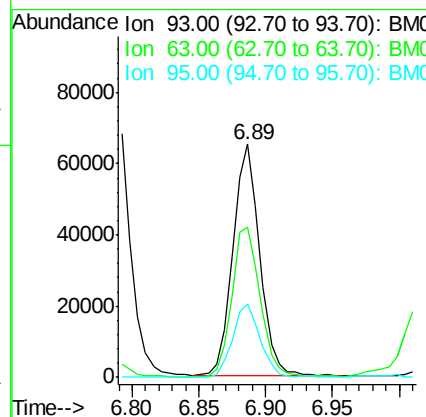
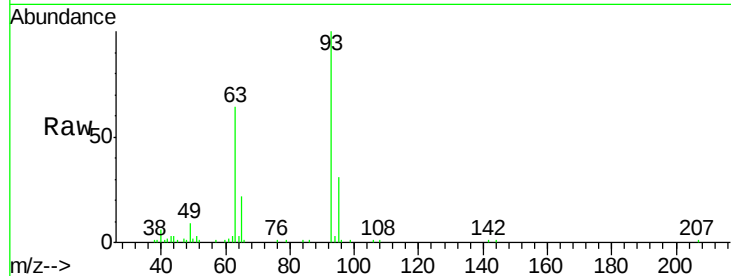
#11
bis(2-Chloroethyl)ether
Concen: 7.631 ng
RT: 6.89 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	64.3	49.6	89.6
95	31.2	12.6	52.6

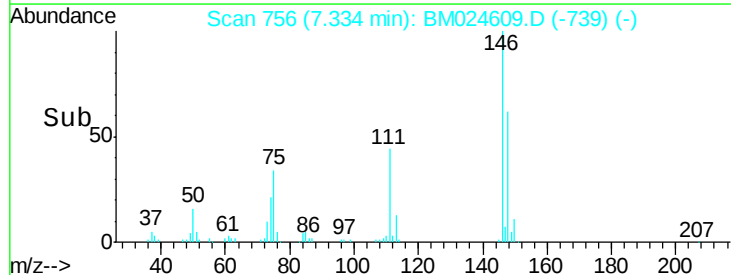
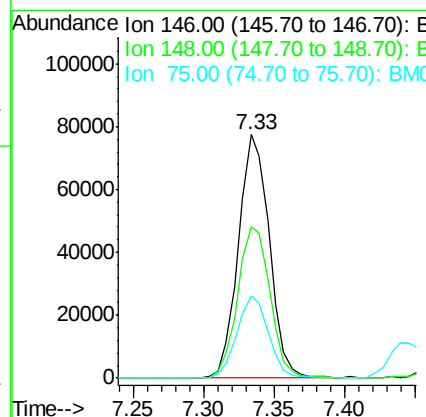
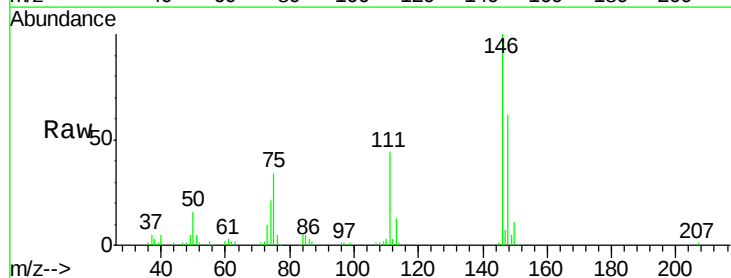
Manual Integrations
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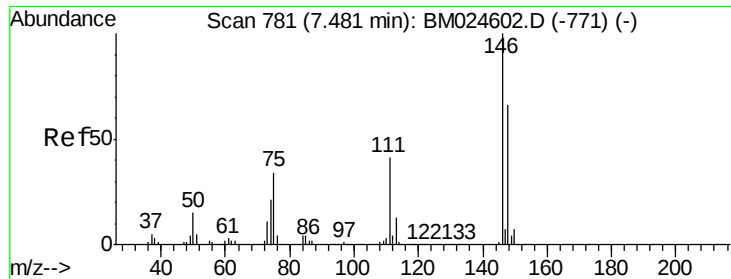
mohammad
1/24/2020 1:55:09 PM



#12
1,3-Dichlorobenzene
Concen: 7.790 ng
RT: 7.33 min Scan# 756
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.0	76.6
75	33.9	27.0	40.4





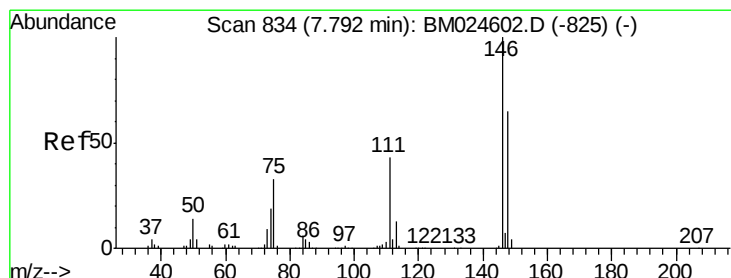
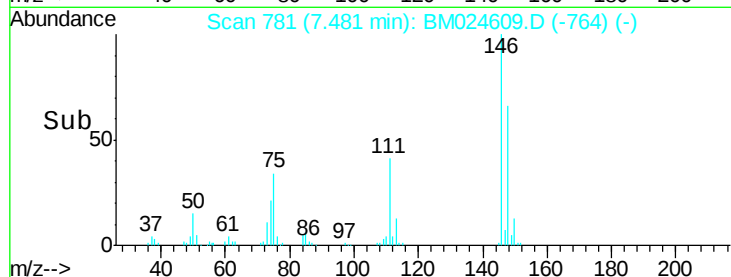
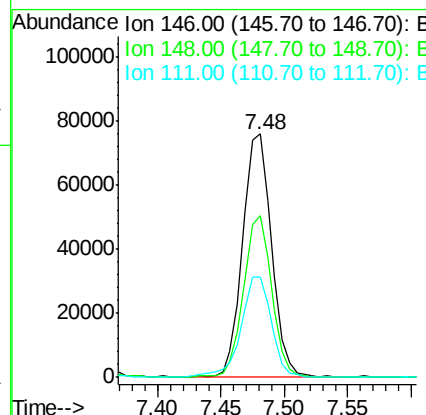
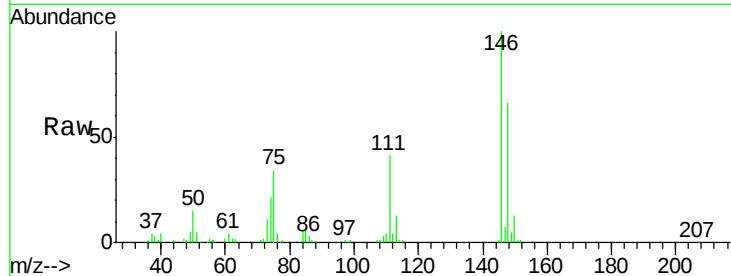
#13
 1,4-Dichlorobenzene
 Concen: 7.775 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.5	78.7
111	41.0	33.0	49.4

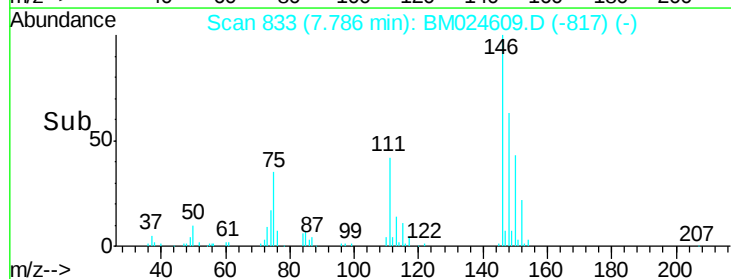
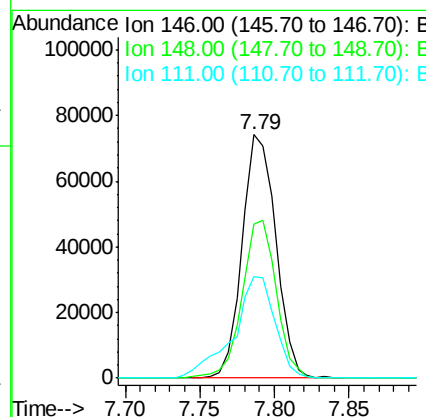
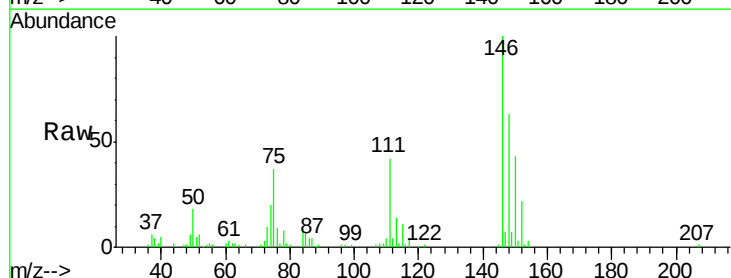
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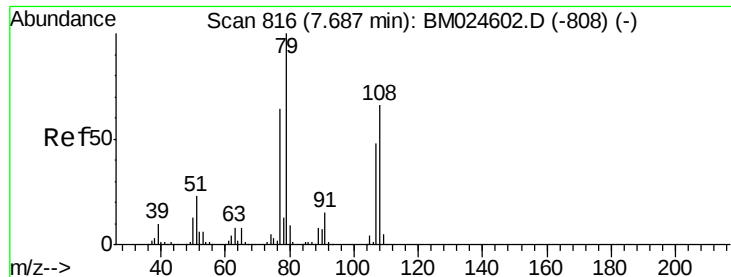
mohammad
 1/24/2020 1:55:09 PM



#14
 1,2-Dichlorobenzene
 Concen: 7.790 ng
 RT: 7.79 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.9	77.9
111	41.8	34.5	51.7





#15

Benzyl Alcohol

Concen: 7.399 ng

RT: 7.69 min Scan# 816

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

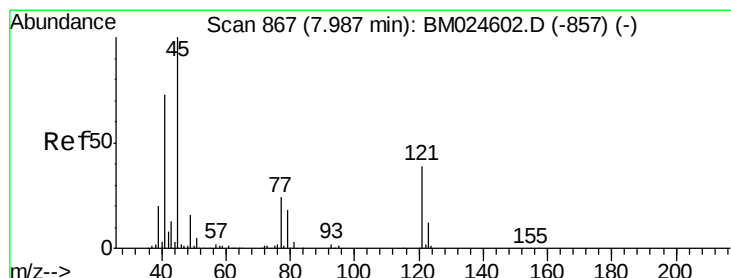
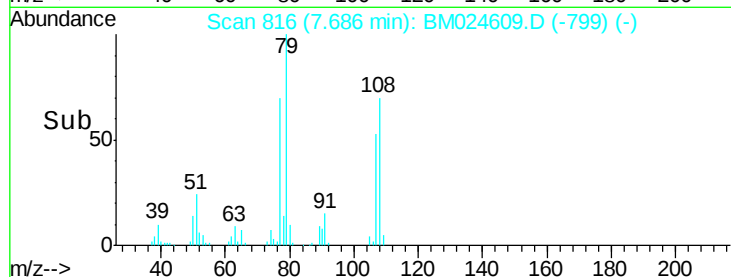
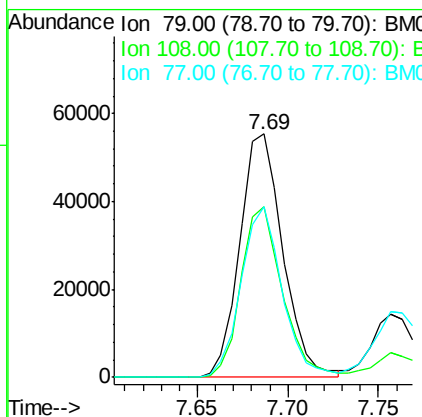
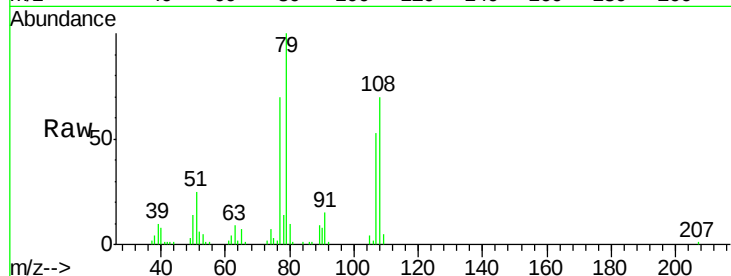
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	79	Resp:	91581
Ion Ratio	Lower	Upper	
79	100		
108	70.1	53.0	79.4
77	70.3	50.8	76.2

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.880 ng

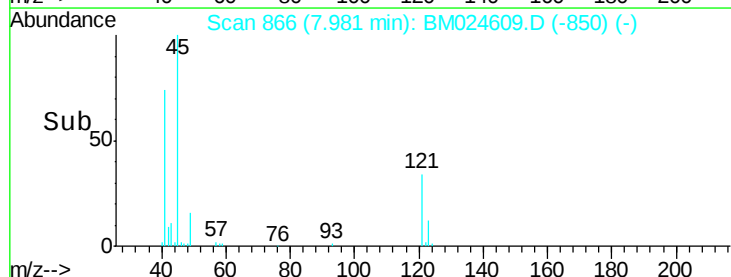
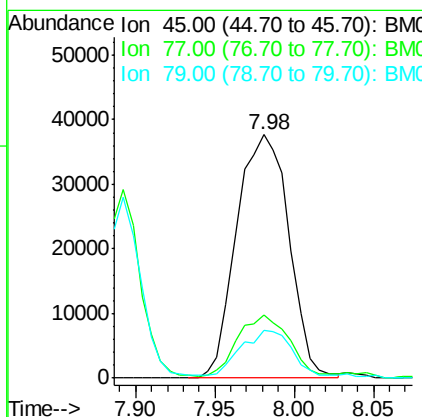
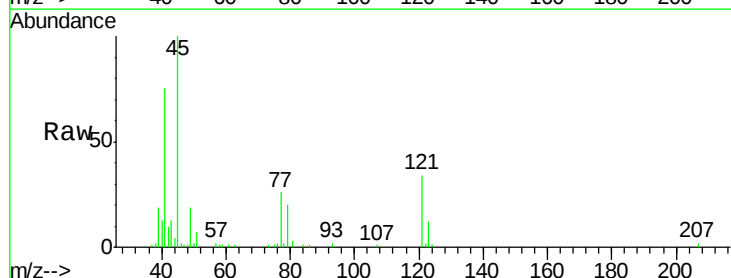
RT: 7.98 min Scan# 866

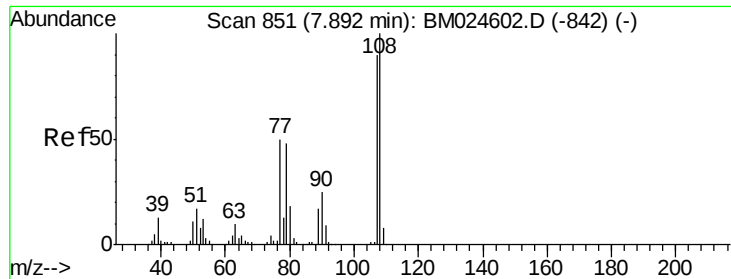
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	45	Resp:	86427
Ion Ratio	Lower	Upper	
45	100		
77	25.9	5.2	45.2
79	19.8	0.0	39.4





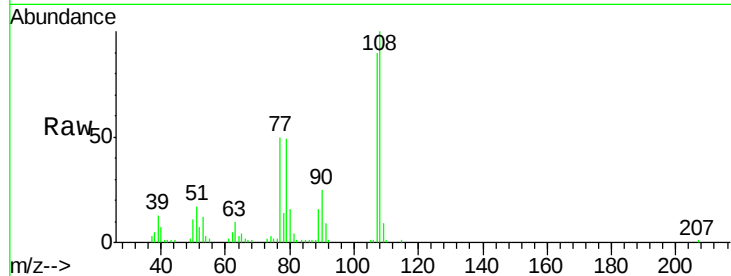
#17
2-Methylphenol
Concen: 7.283 ng
RT: 7.89 min Scan# 851
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

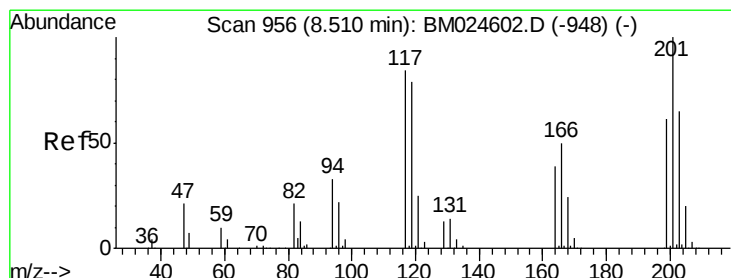
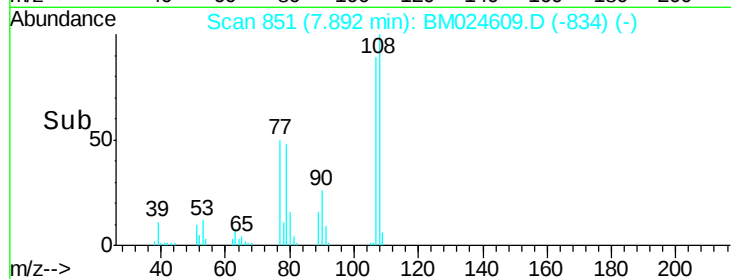
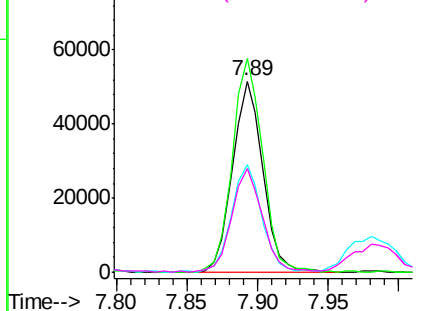
Tot Ion	107	Resp	76810
Ion Ratio	Lower	Upper	
107	100		
108	111.7	88.9	133.3
77	56.3	44.5	66.7
79	54.4	42.9	64.3

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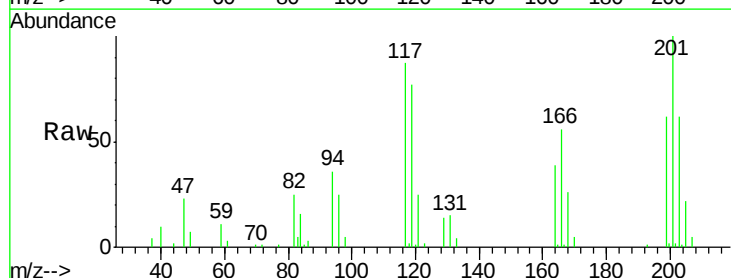


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

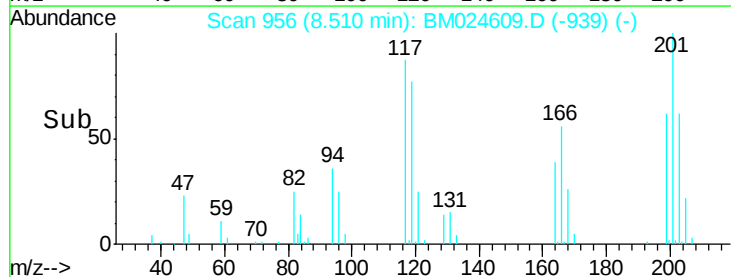
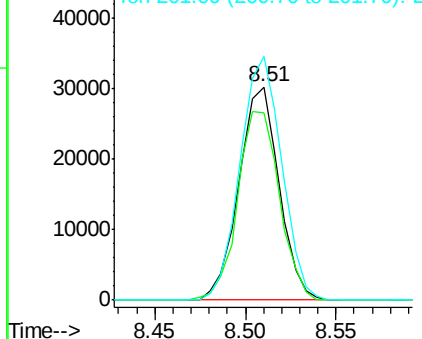


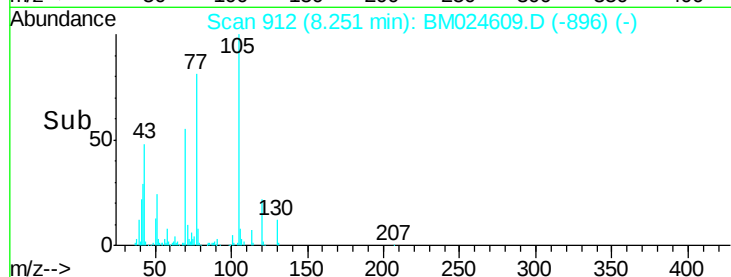
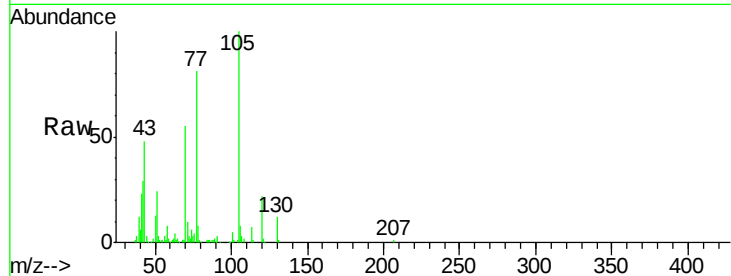
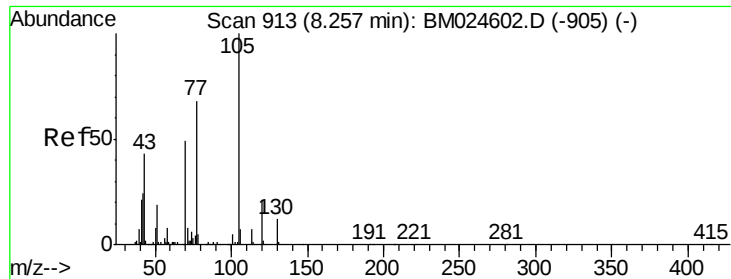
#18
Hexachloroethane
Concen: 7.809 ng
RT: 8.51 min Scan# 956
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	117	Resp	46627
Ion Ratio	Lower	Upper	
117	100		
119	88.0	75.4	113.2
201	114.3	95.8	143.6



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





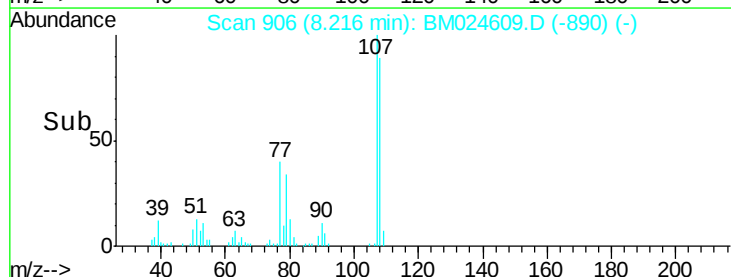
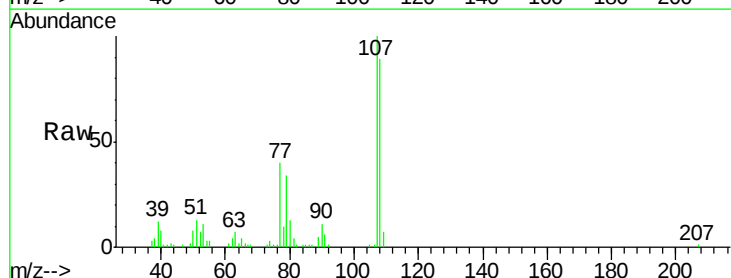
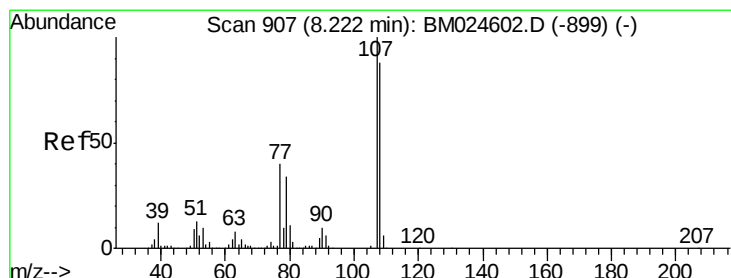
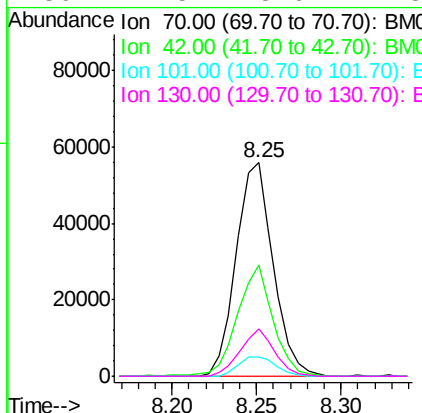
#19
n-Nitroso-di-n-propylamine
Concen: 7.555 ng
RT: 8.25 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	70	Resp	85159
Ion Ratio	Lower	Upper	
70	100		
42	52.0	40.0	60.0
101	8.9	8.2	12.2
130	22.5	18.6	27.8

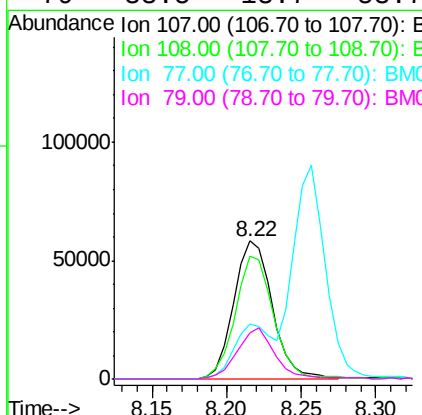
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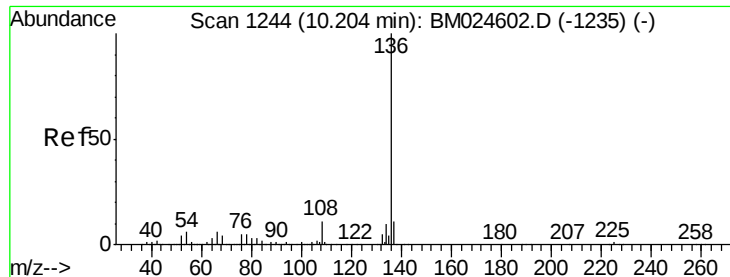
mohammad
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#20
3+4-Methylphenols
Concen: 7.208 ng
RT: 8.22 min Scan# 906
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	107	Resp	105230
Ion Ratio	Lower	Upper	
107	100		
108	89.5	68.0	108.0
77	40.0	19.9	59.9
79	33.5	13.7	53.7





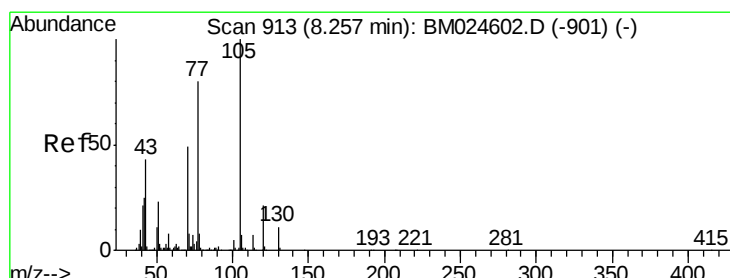
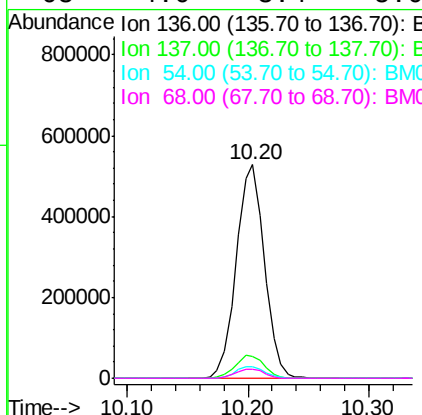
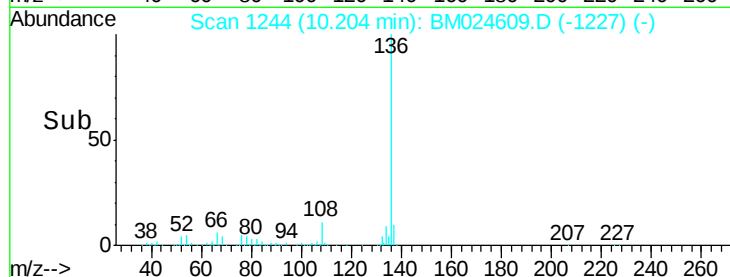
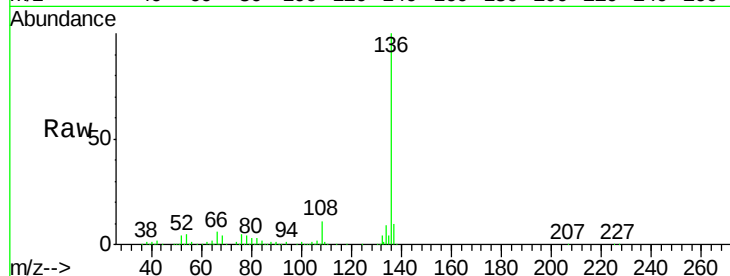
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	858352		
137	10.5	8.6	13.0	
54	5.4	4.5	6.7	
68	4.0	3.4	5.0	

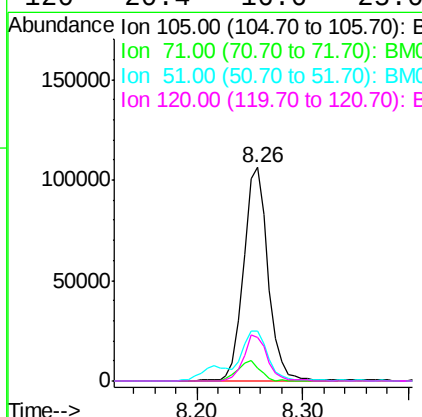
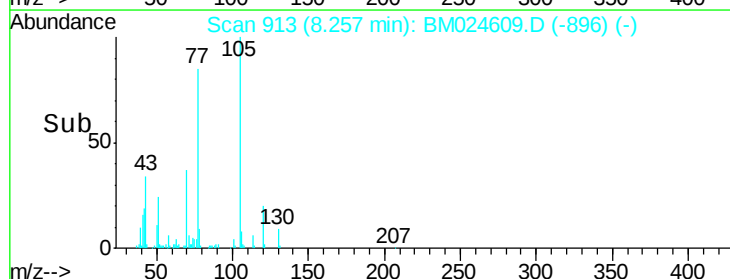
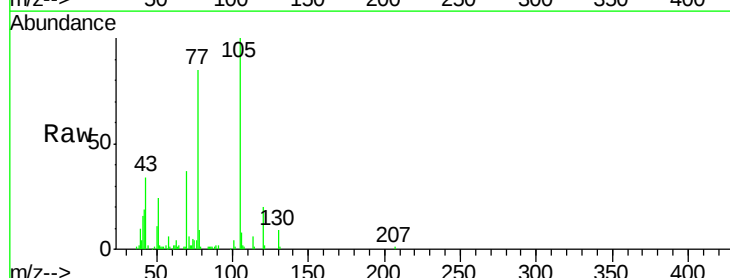
Manual Integrations
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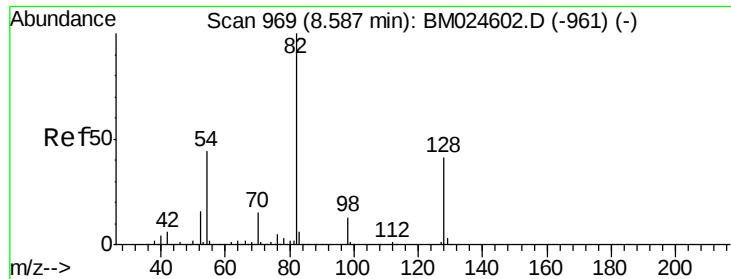
mohammad
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#22
Acetophenone
Concen: 7.702 ng
RT: 8.26 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170471		
71	6.3	6.7	10.1#	
51	23.6	18.5	27.7	
120	20.4	16.6	25.0	





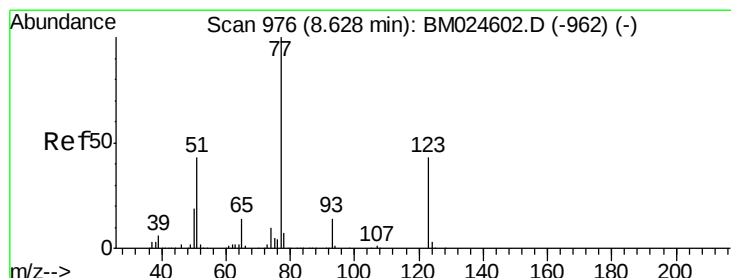
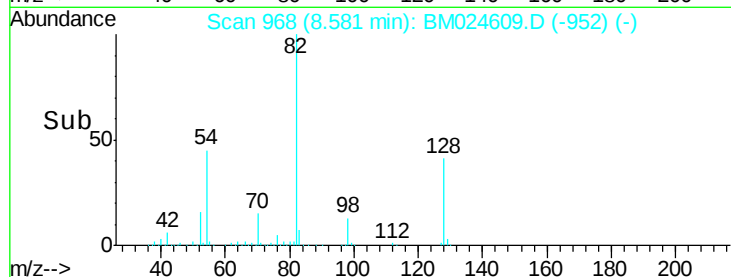
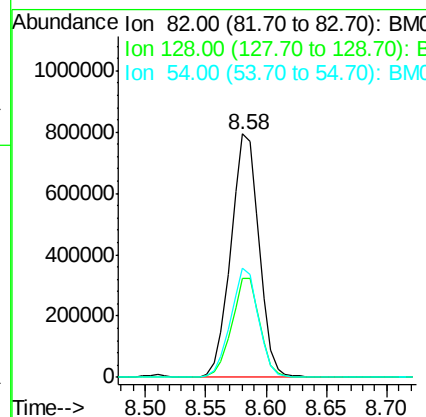
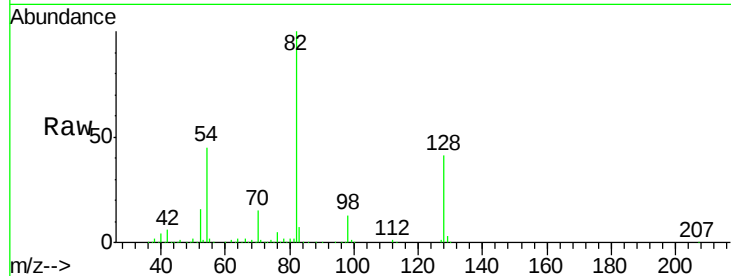
#23
Nitrobenzene-d5
Concen: 73.559 ng
RT: 8.58 min Scan# 968
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.6	48.8
54	44.9	34.8	52.2

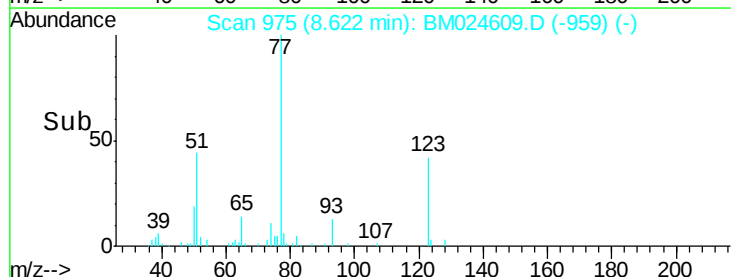
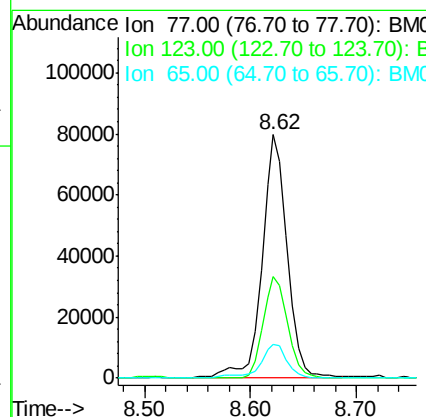
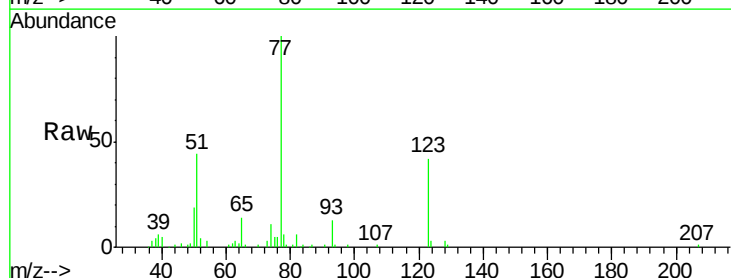
Manual Integrations
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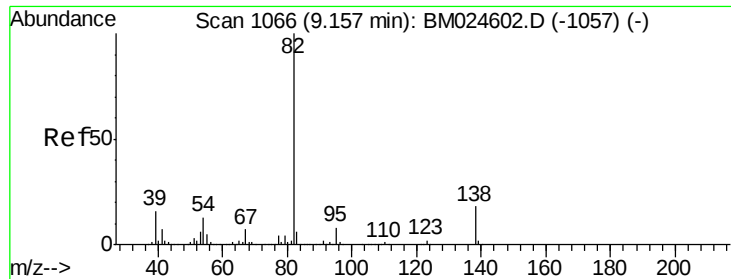
mohammad
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#24
Nitrobenzene
Concen: 7.887 ng
RT: 8.62 min Scan# 975
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.6	34.6	52.0
65	13.8	11.0	16.4





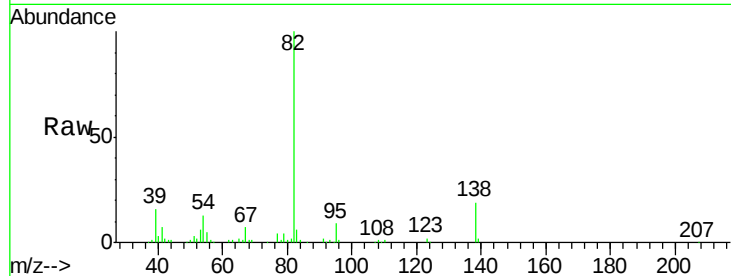
#25
Isophorone
Concen: 7.381 ng
RT: 9.15 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	219496		
95	8.9	6.7	10.1	
138	18.9	14.7	22.1	

Manual Integrations
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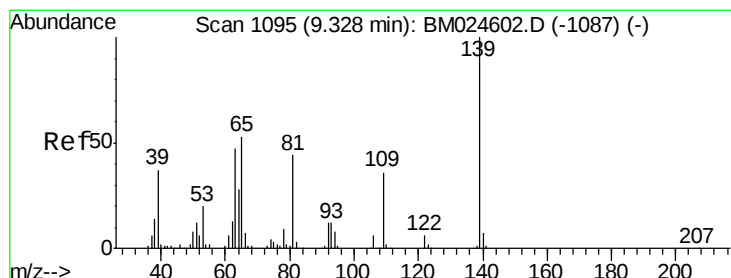
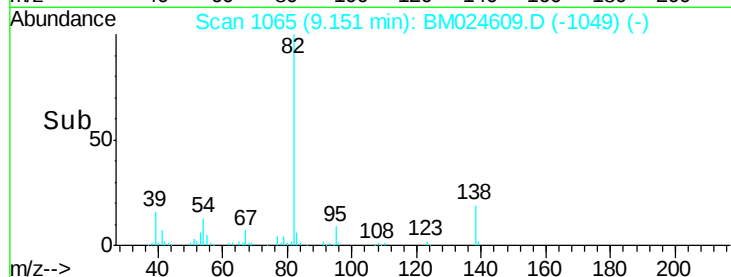
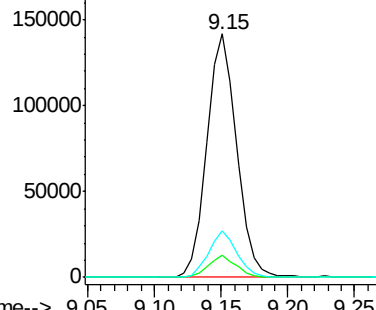
mohammad
1/24/2020 1:55:09 PM



Abundance Ion 82.00 (81.70 to 82.70): BM024602.D (-1057) (-)

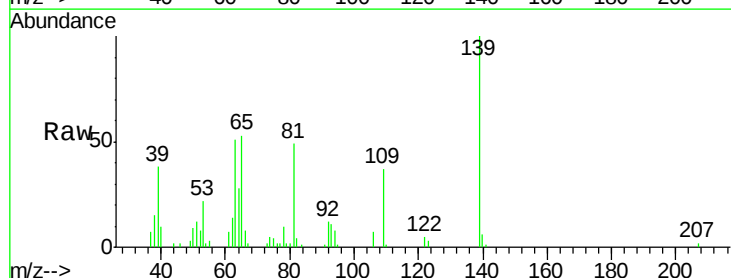
Ion 95.00 (94.70 to 95.70): BM024602.D (-1057) (-)

Ion 138.00 (137.70 to 138.70): BM024602.D (-1057) (-)



#26
2-Nitrophenol
Concen: 6.703 ng
RT: 9.33 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

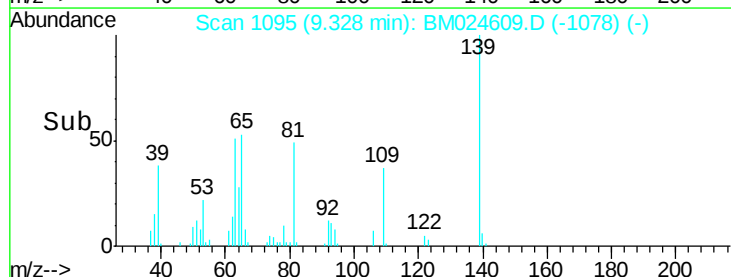
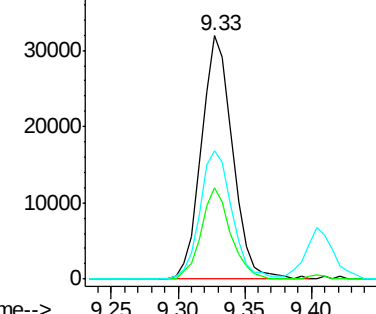
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	52059		
109	37.2	28.8	43.2	
65	52.9	42.6	63.8	

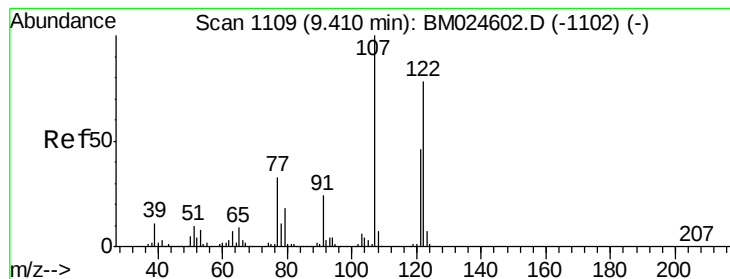


Abundance Ion 139.00 (138.70 to 139.70): BM024602.D (-1087) (-)

Ion 109.00 (108.70 to 109.70): BM024602.D (-1087) (-)

Ion 65.00 (64.70 to 65.70): BM024602.D (-1087) (-)





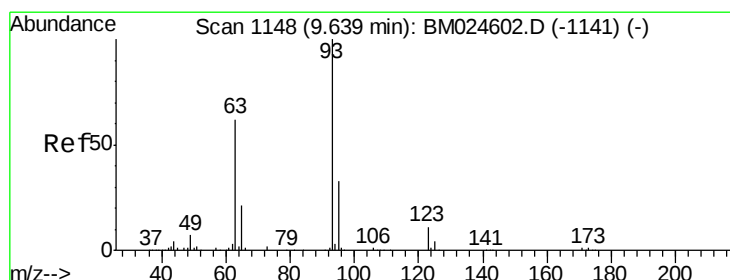
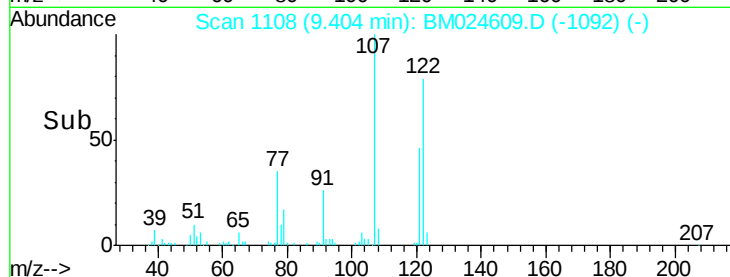
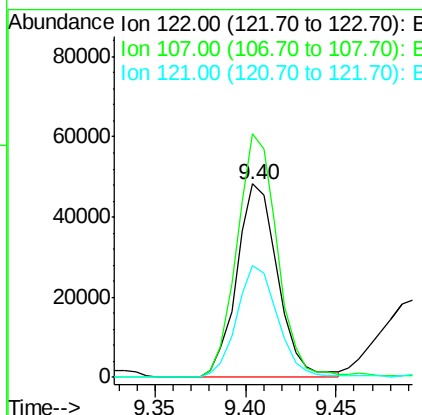
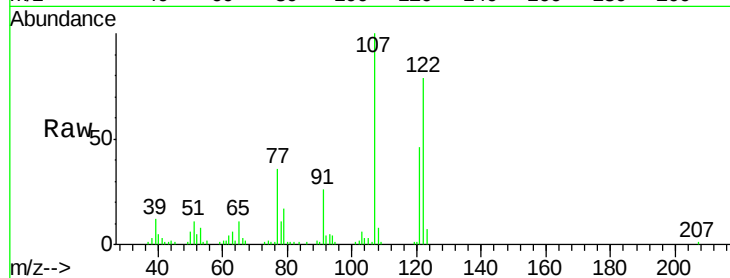
#27
 2,4-Dimethylphenol
 Concen: 7.196 ng
 RT: 9.40 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	125.9	102.5	153.7		
121	57.6	47.0	70.4		

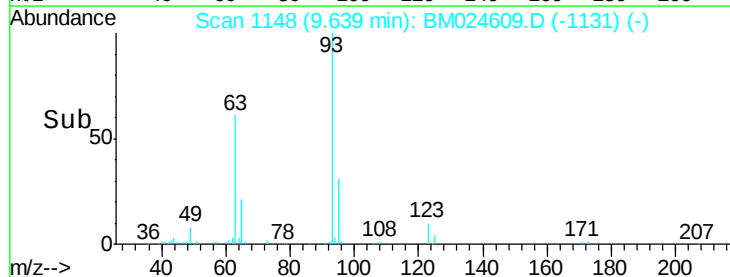
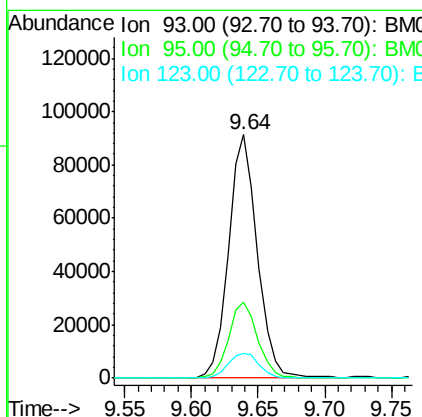
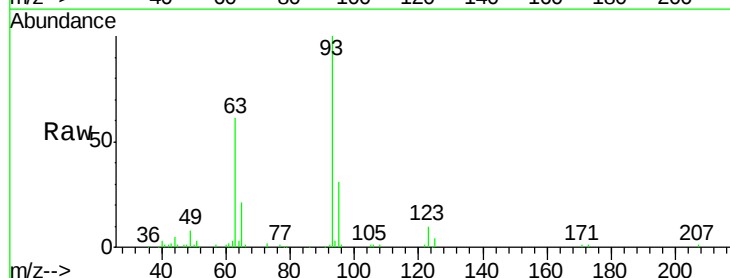
Manual Integrations
 APPROVED

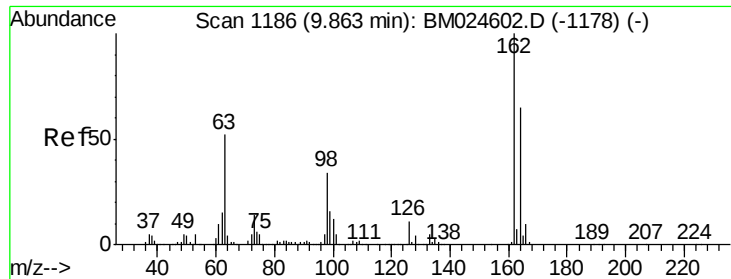
mohammad
 1/24/2020 1:55:09 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.548 ng
 RT: 9.64 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	31.3	26.1	39.1		
123	10.0	8.7	13.1		





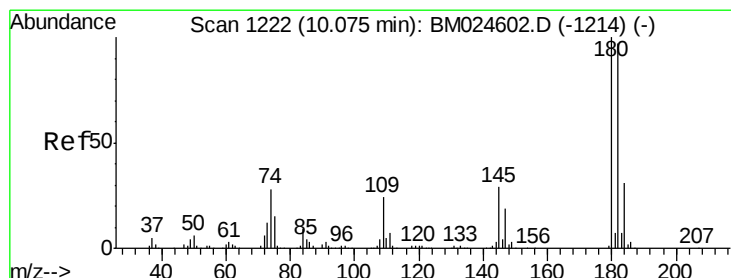
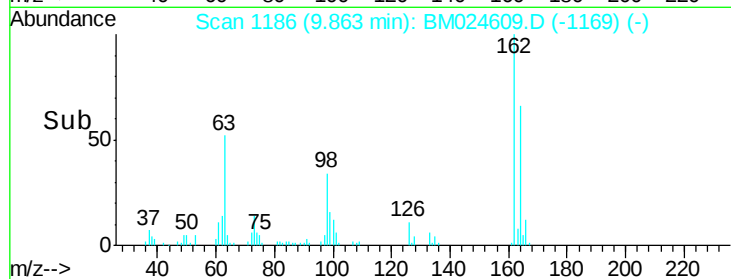
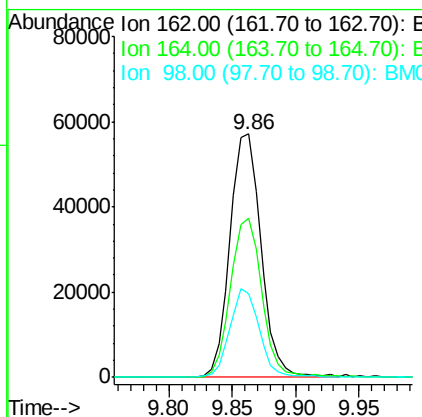
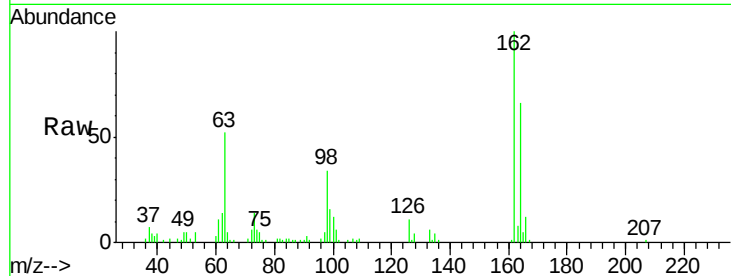
#29
2,4-Dichlorophenol
Concen: 6.827 ng
RT: 9.86 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.5	84.5
98	34.5	14.2	54.2

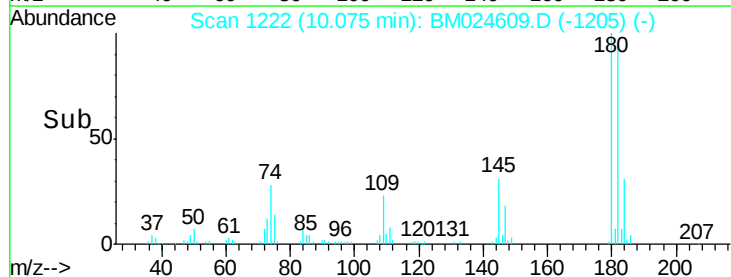
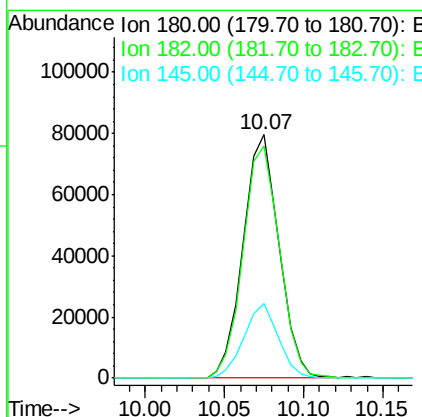
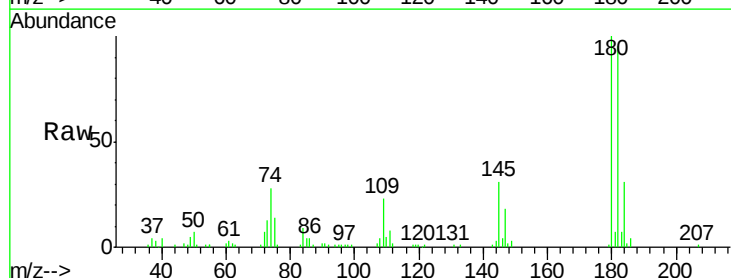
Manual Integrations
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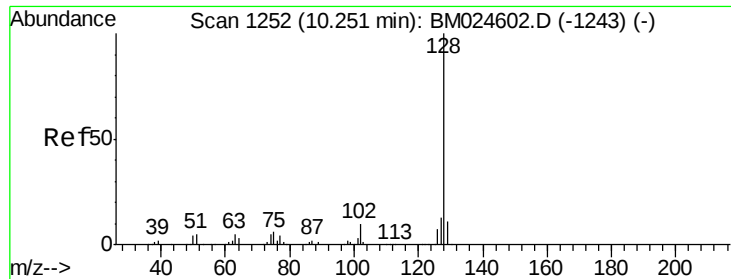
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 7.310 ng
RT: 10.07 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.8	116.6
145	30.6	22.9	34.3





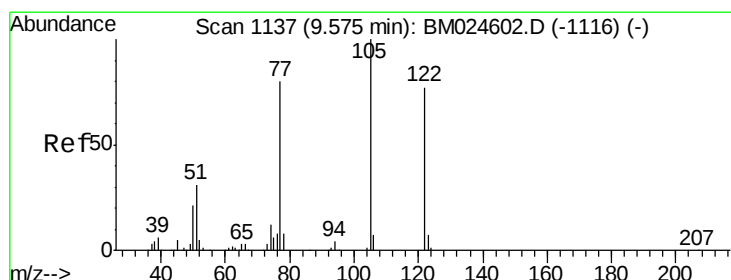
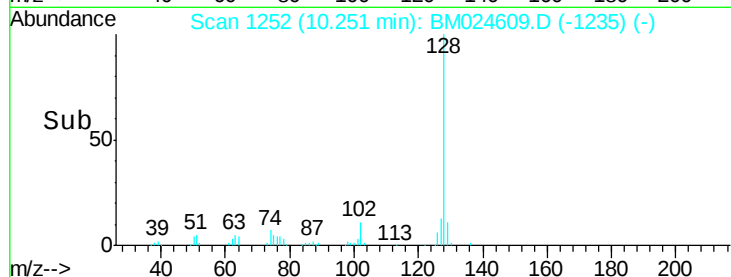
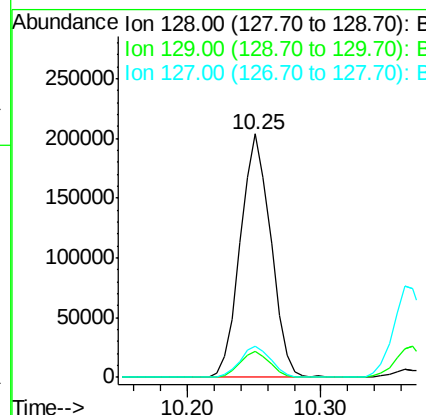
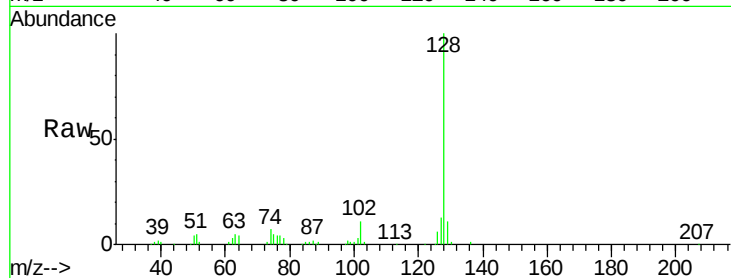
#31
Naphthalene
Concen: 7.447 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.0	10.6	15.8

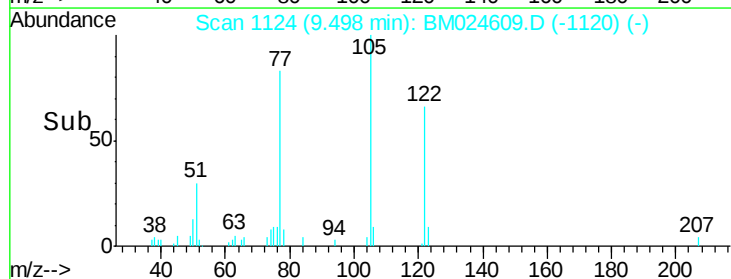
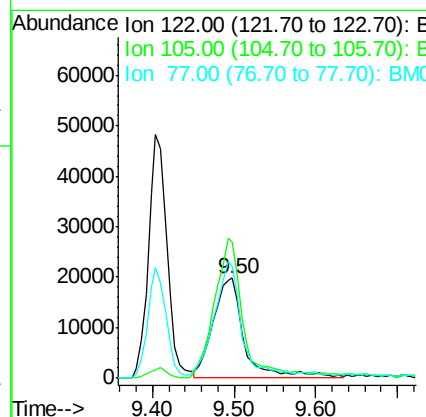
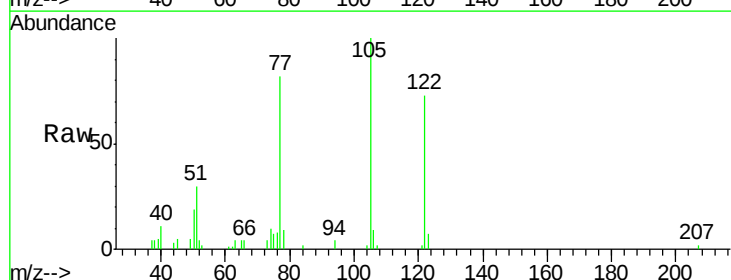
Manual Integrations
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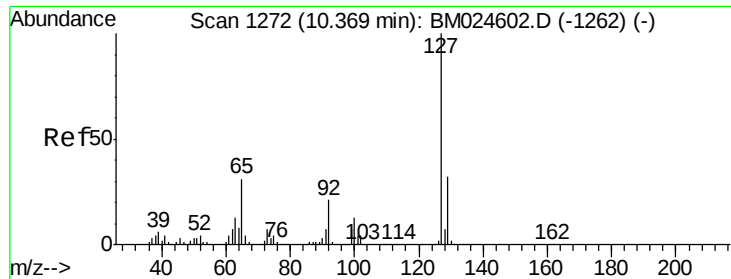
mohammad
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#32
Benzoic acid
Concen: 5.476 ng m
RT: 9.50 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.8	107.7	147.7
77	112.4	83.8	123.8





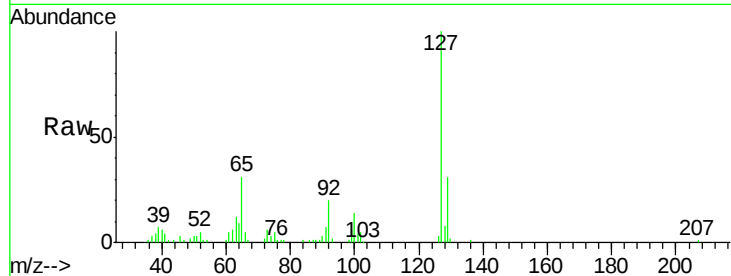
#33
4-Chloroaniline
Concen: 7.214 ng
RT: 10.36 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

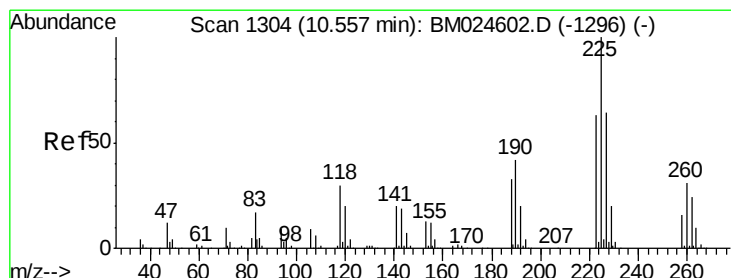
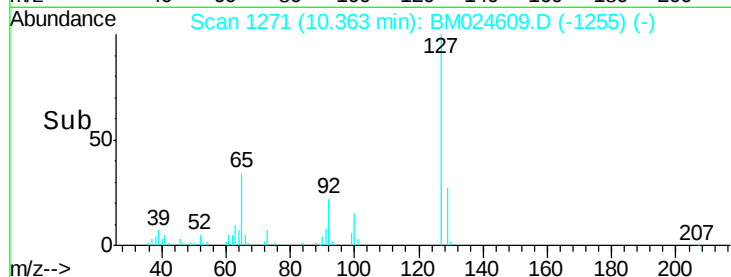
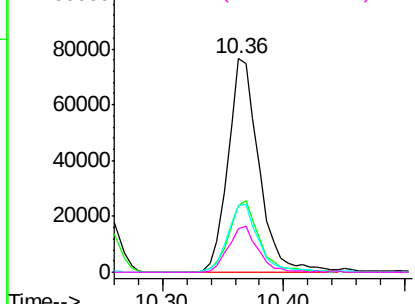
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.1	25.9	38.9		
65	30.9	25.1	37.7		
92	20.1	16.6	25.0		

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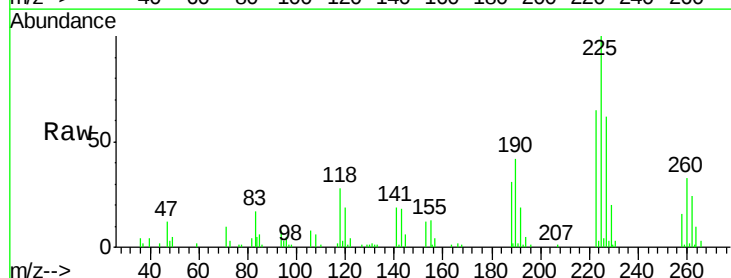


Abundance Ion 127.00 (126.70 to 127.70): E
120000
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

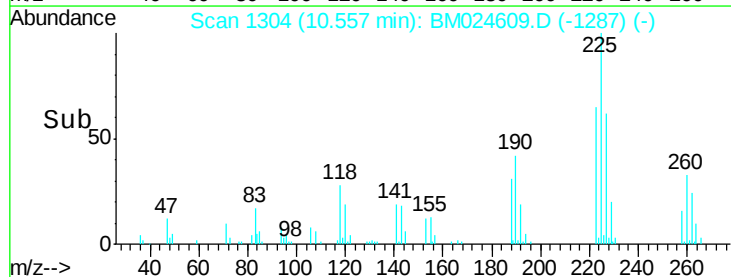
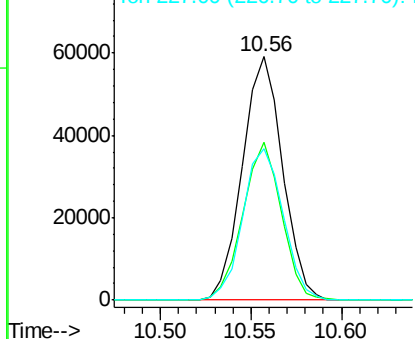


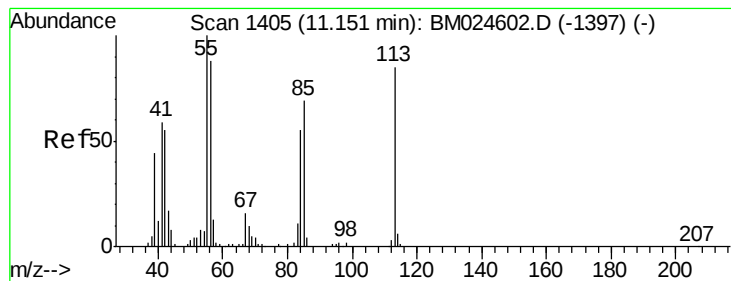
#34
Hexachlorobutadiene
Concen: 7.662 ng
RT: 10.56 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	65.1	50.7	76.1		
227	62.2	51.4	77.0		



Abundance Ion 225.00 (224.70 to 225.70): E
80000
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.777 ng

RT: 11.13 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

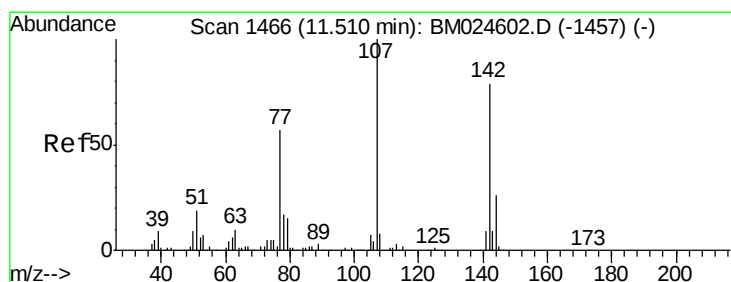
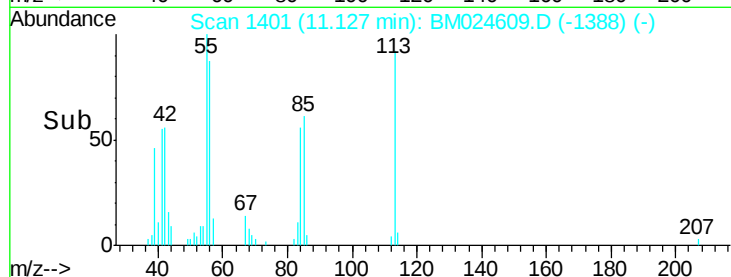
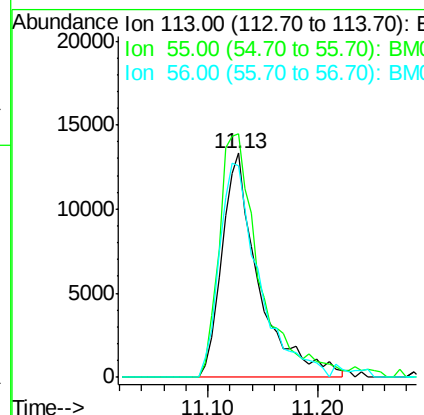
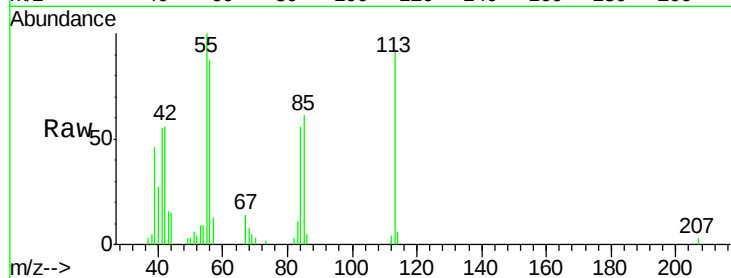
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	113	Resp:	31002
Ion	Ratio	Lower	Upper
113	100		
55	108.7	97.5	137.5
56	94.7	83.4	123.4

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 6.817 ng

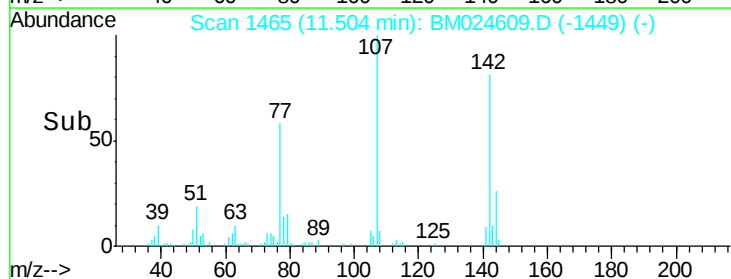
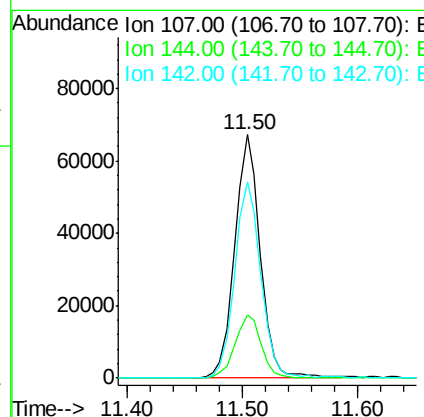
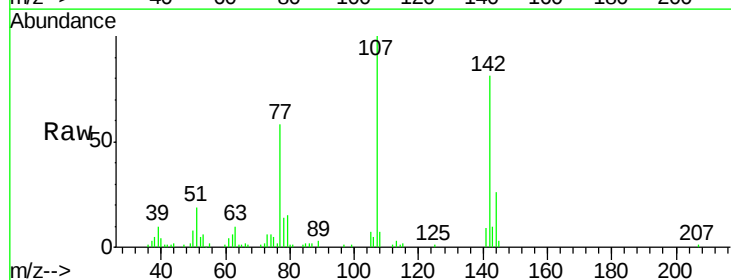
RT: 11.50 min Scan# 1465

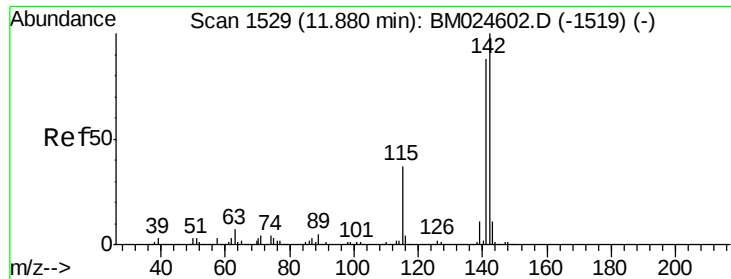
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	107	Resp:	103363
Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.7	62.8	94.2





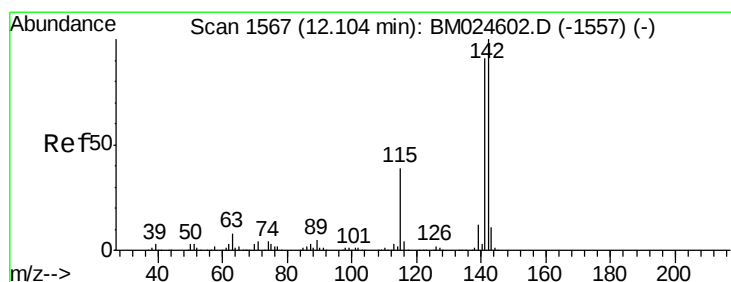
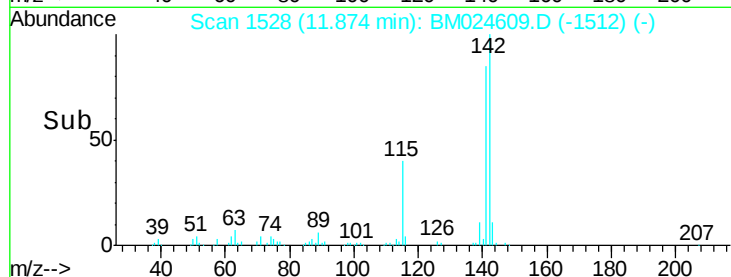
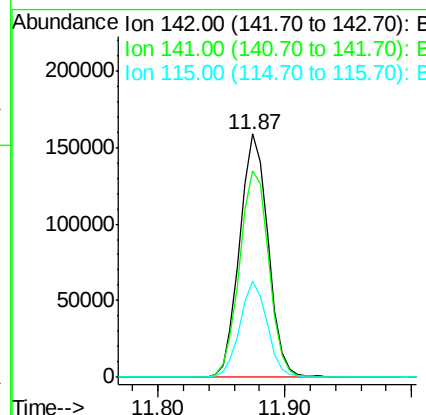
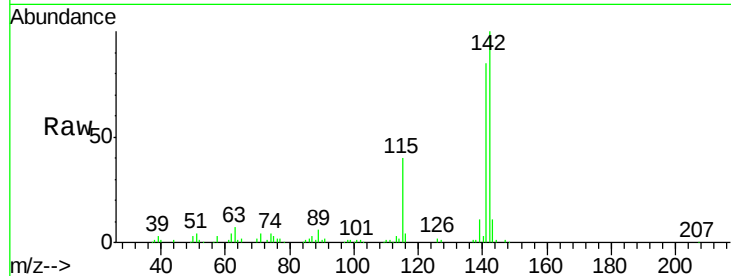
#37
2-Methylnaphthalene
Concen: 7.372 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
142	100	246633		
141	84.6		70.2	105.2
115	39.7		29.7	44.5

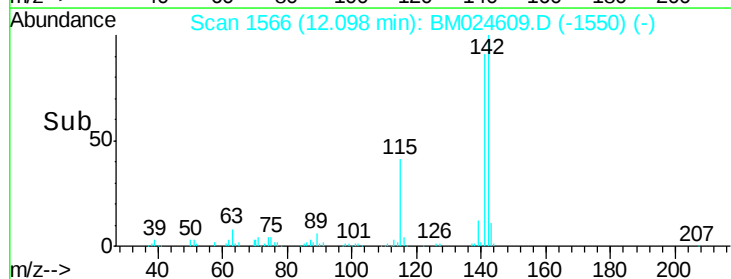
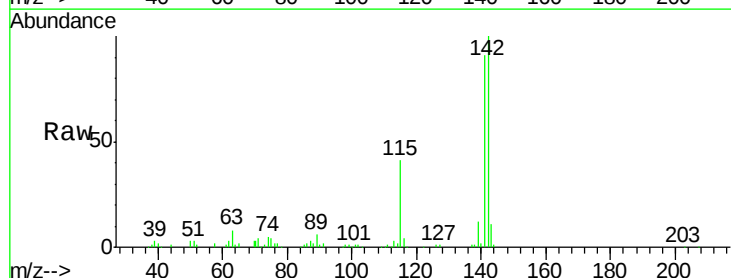
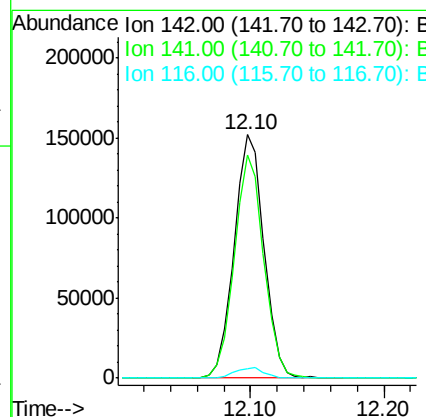
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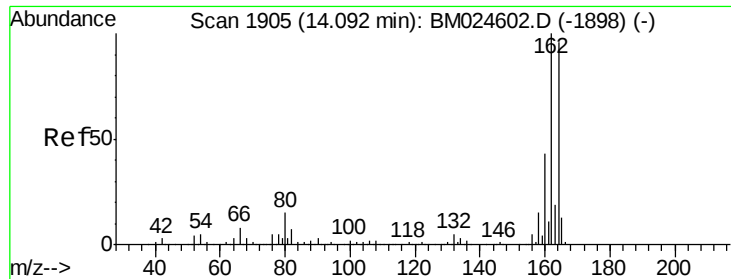
mohammad
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#38
1-Methylnaphthalene
Concen: 7.471 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	237750		
141	91.5		72.8	109.2
116	4.1		3.2	4.8





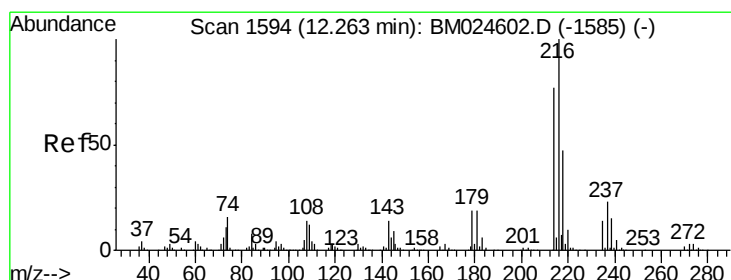
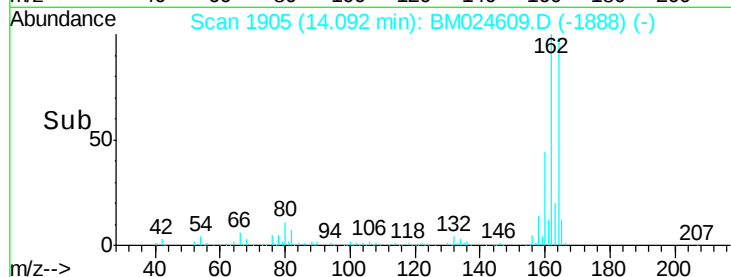
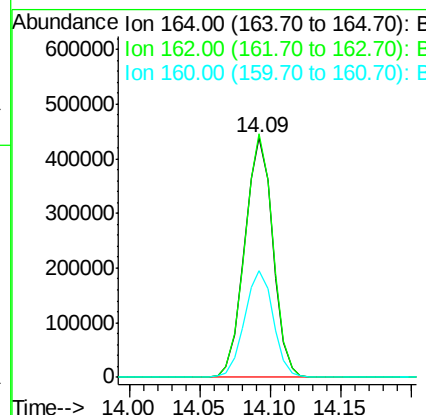
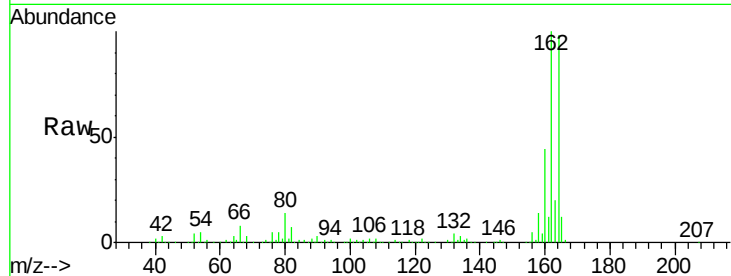
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.09 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.9	124.3
160	44.3	35.5	53.3

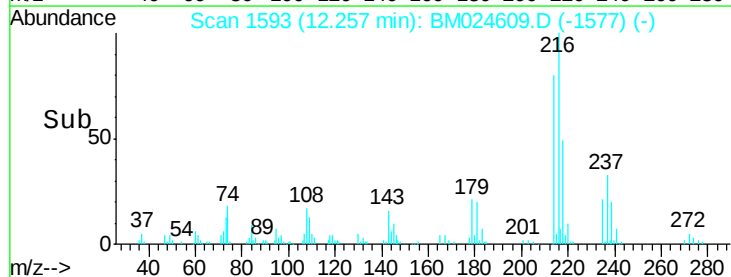
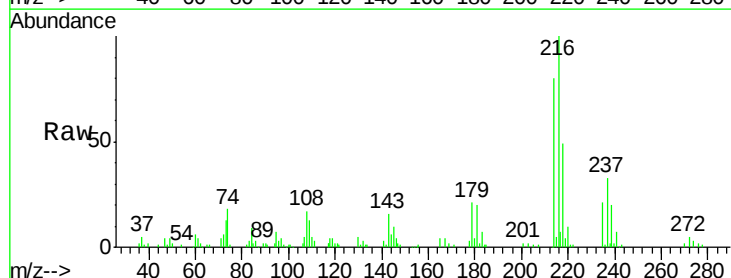
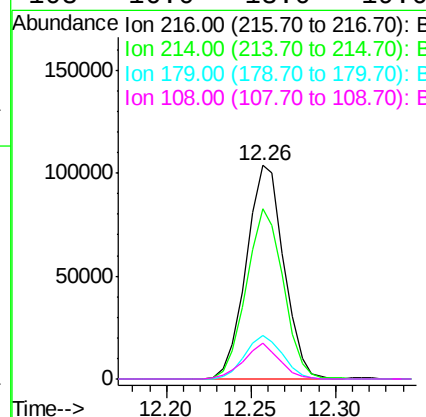
Manual Integrations
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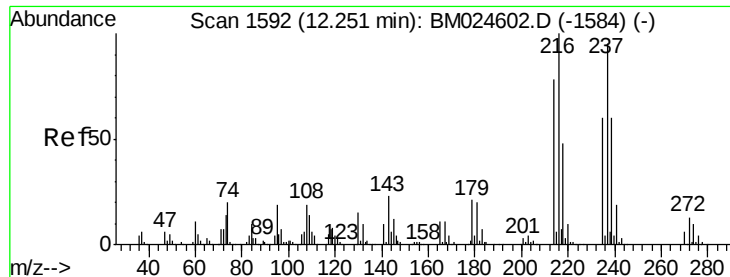
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.368 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	20.1	16.1	24.1
108	16.0	13.0	19.6





#41

Hexachlorocyclopentadiene

Concen: 6.376 ng

RT: 12.25 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

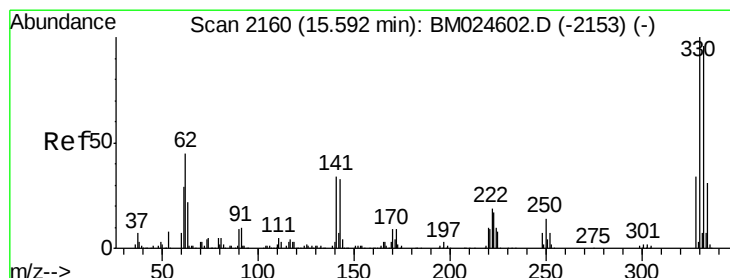
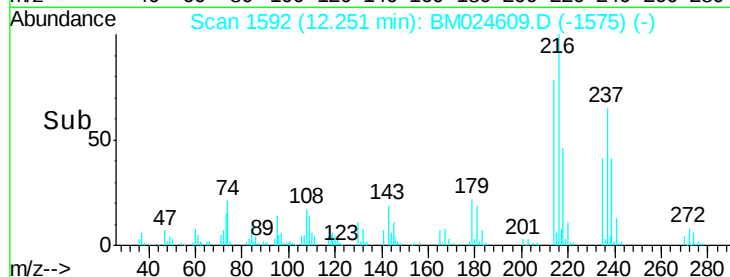
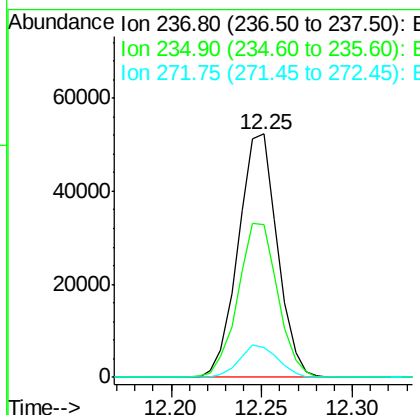
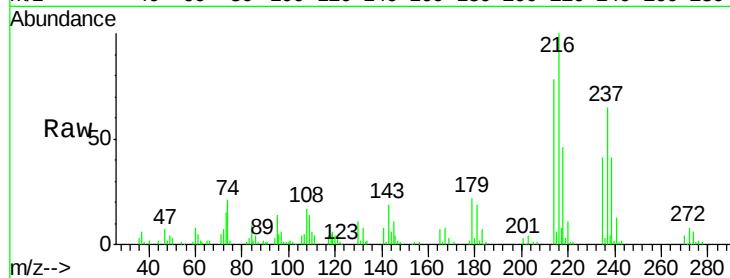
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	237	Resp:	78083
Ion Ratio	Lower	Upper	
237	100		
235	62.7	43.3	83.3
272	12.2	0.0	33.4

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 128.765 ng

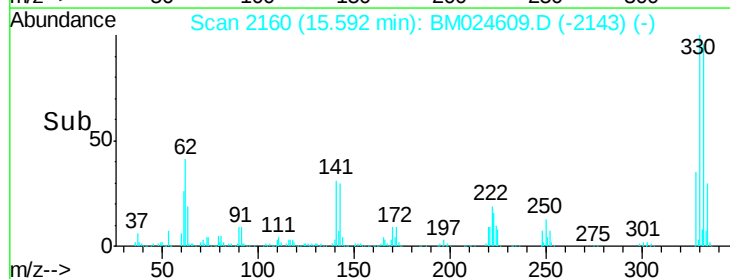
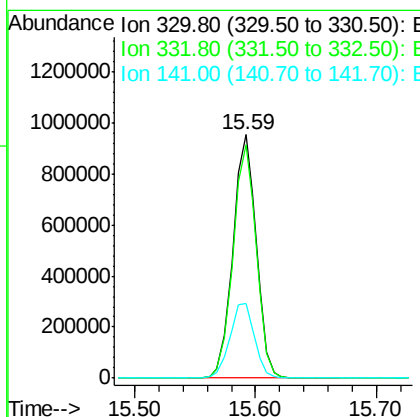
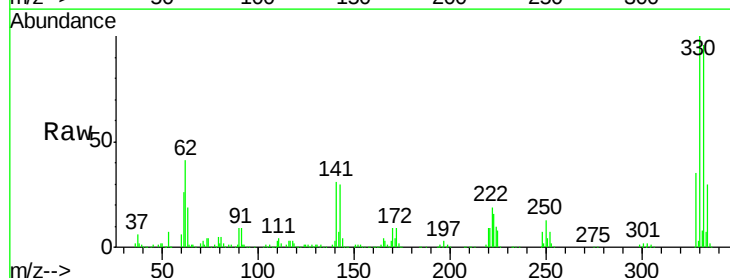
RT: 15.59 min Scan# 2160

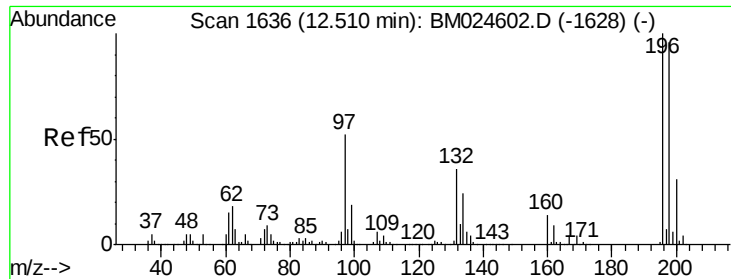
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	330	Resp:	1282314
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.2	115.8
141	32.7	26.9	40.3





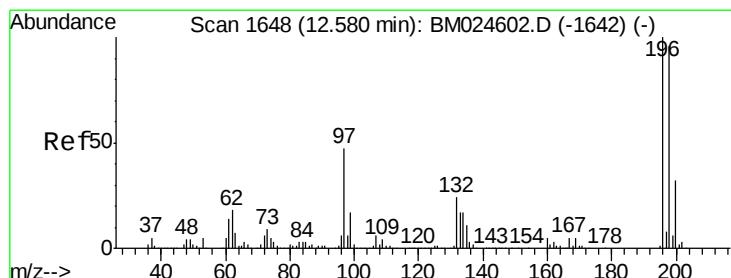
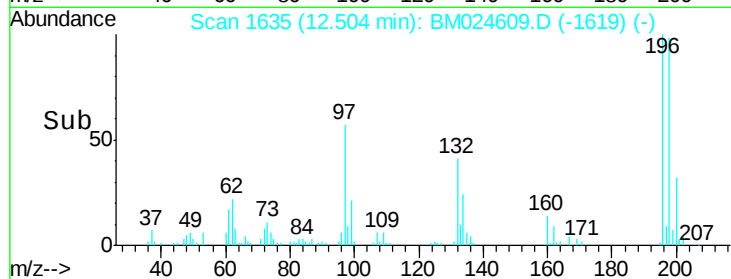
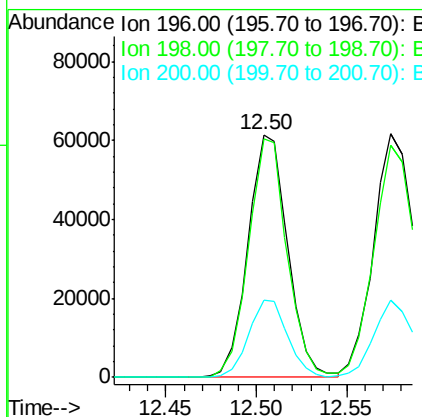
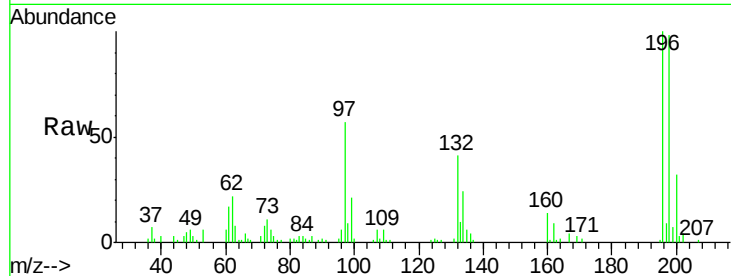
#43
 2,4,6-Trichlorophenol
 Concen: 6.711 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.0	76.5	114.7
200	31.8	25.0	37.6

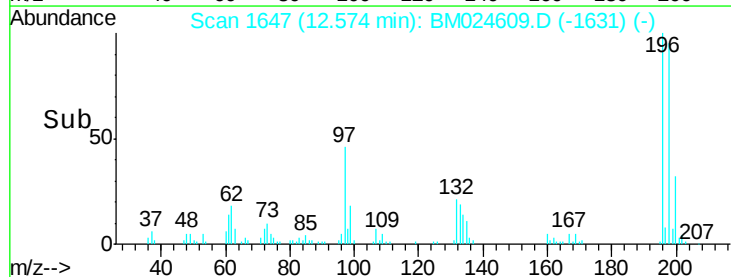
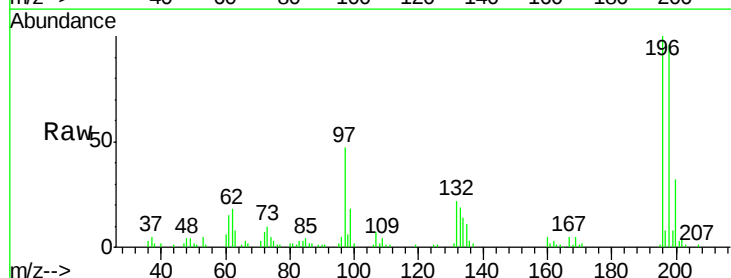
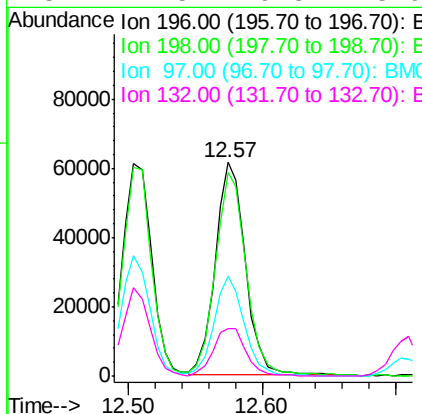
Manual Integrations
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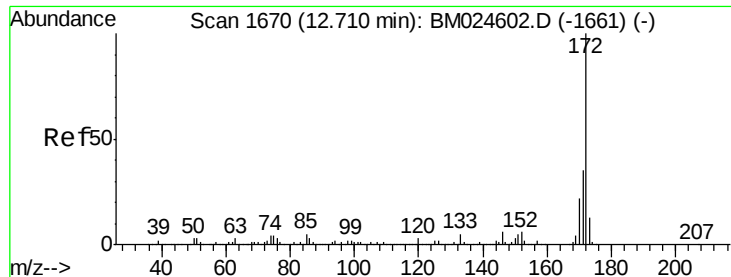
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 6.813 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.2	115.8
97	46.7	37.4	56.0
132	22.5	19.3	28.9





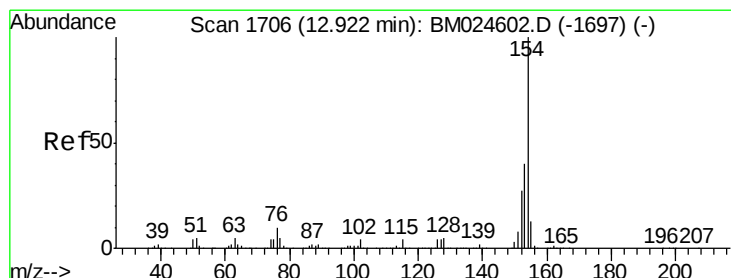
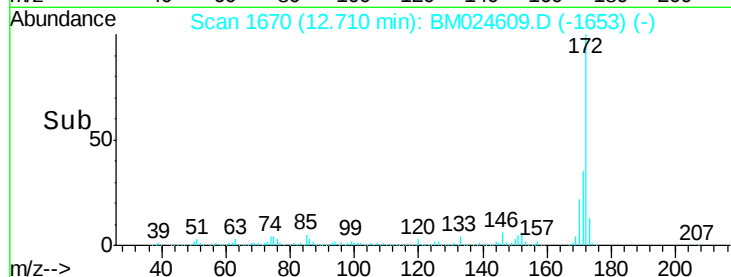
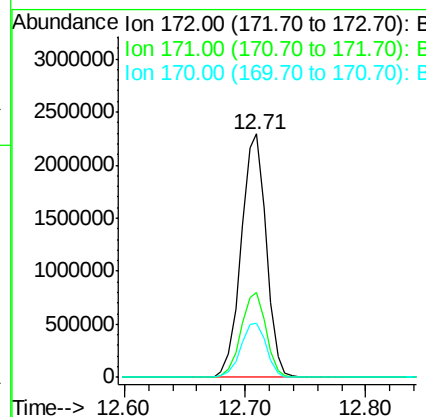
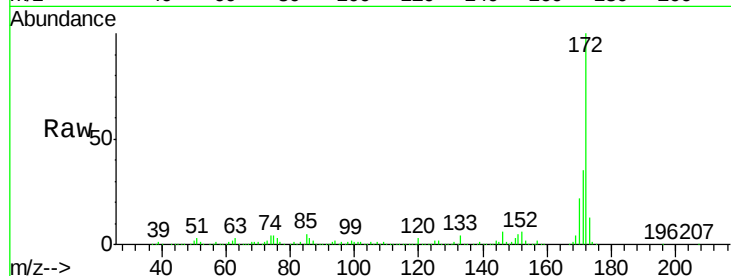
#45
2-Fluorobiphenyl
Concen: 73.553 ng
RT: 12.71 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	22.4	17.9	26.9

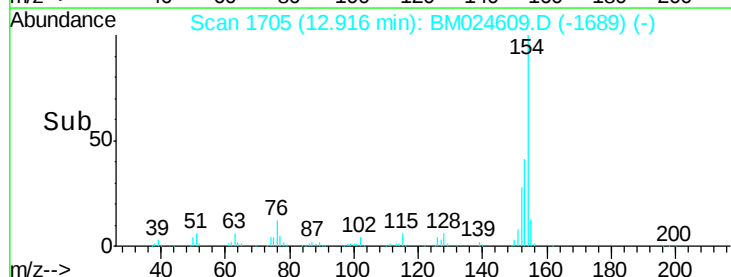
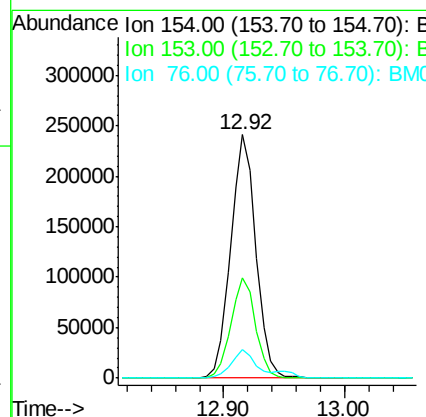
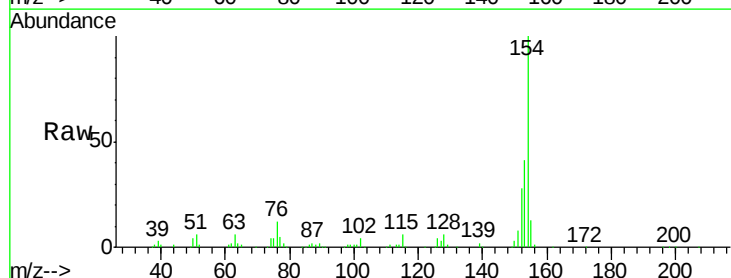
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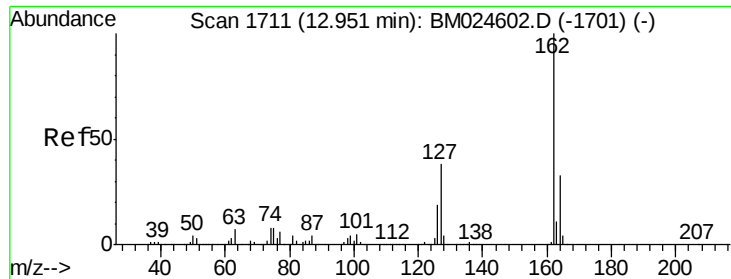
mohammad
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#46
1,1'-Biphenyl
Concen: 7.513 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.3	60.3
76	12.0	0.0	30.5





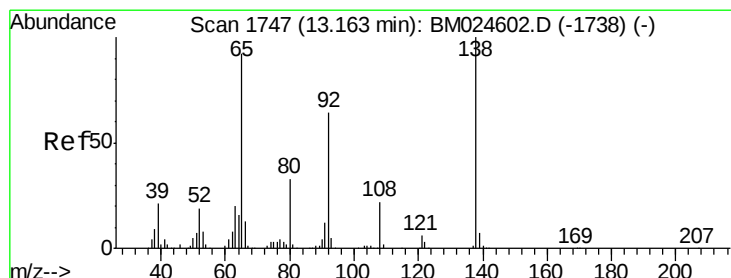
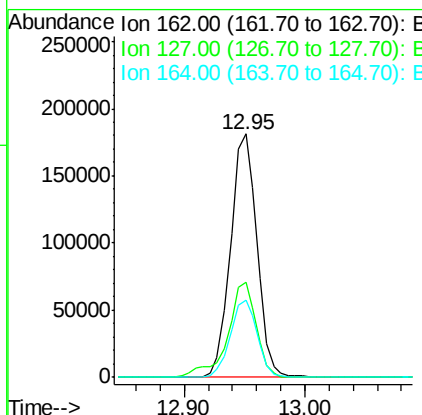
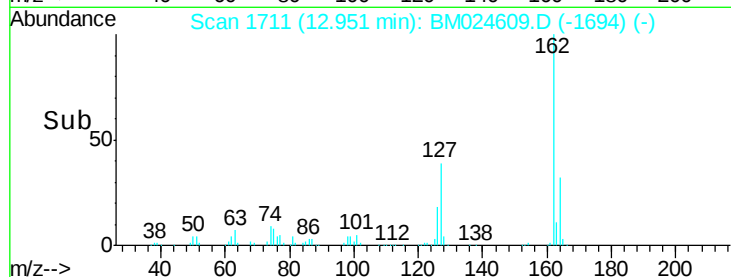
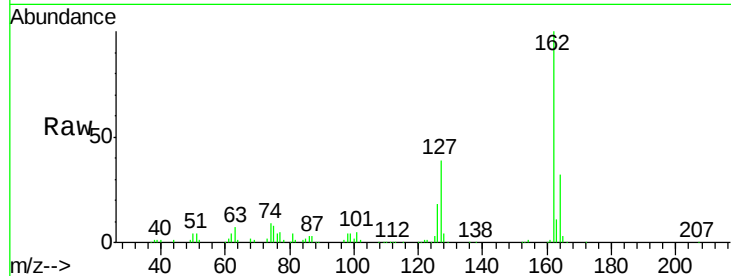
#47
2-Chloronaphthalene
Concen: 7.383 ng
RT: 12.95 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		276144		
127	39.0	30.4	45.6		
164	31.5	26.5	39.7		

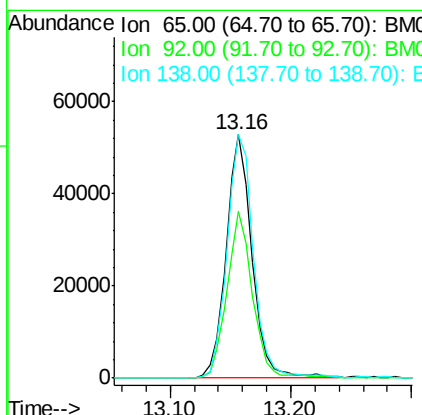
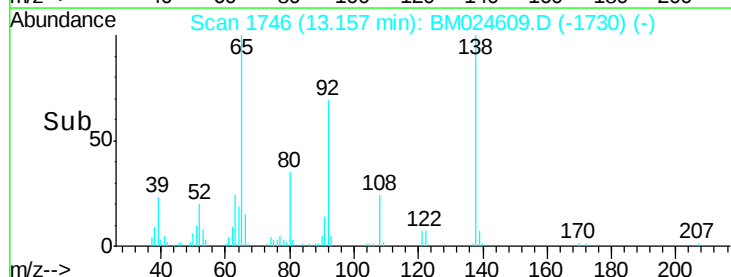
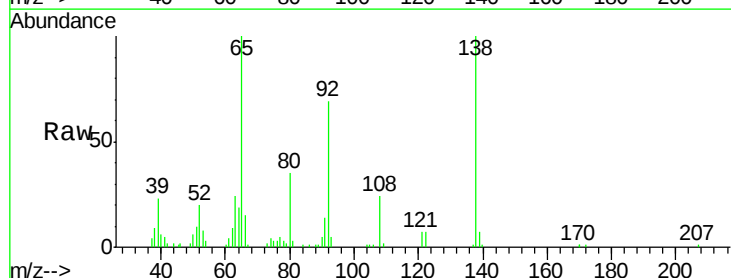
Manual Integrations
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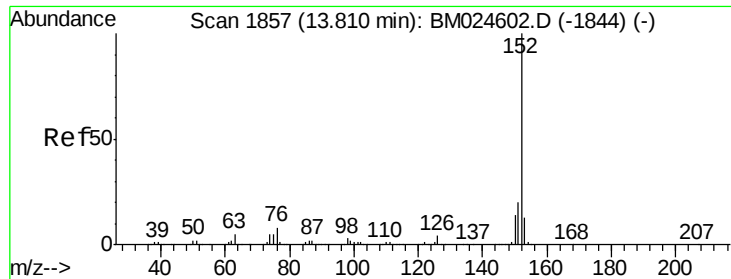
mohammad
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#48
2-Nitroaniline
Concen: 6.879 ng
RT: 13.16 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		78469		
92	68.8	55.4	83.2		
138	100.1	86.6	129.8		





#49

Acenaphthylene

Concen: 7.274 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

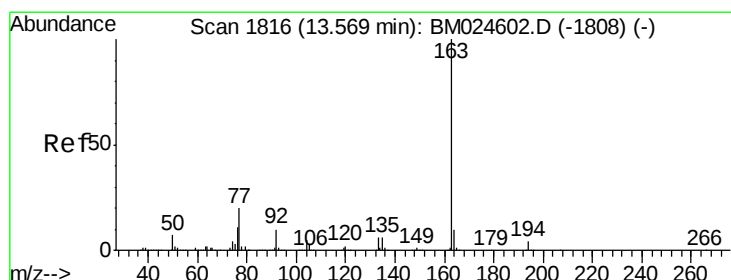
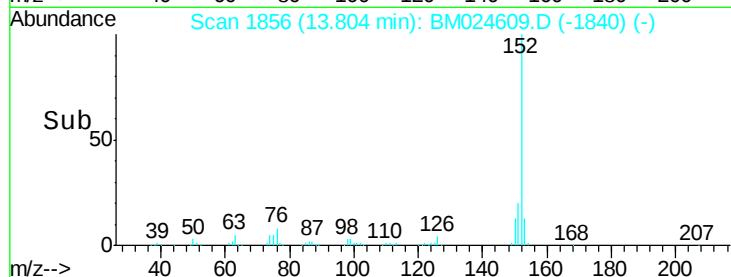
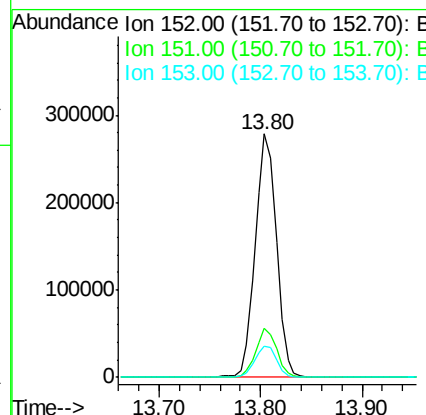
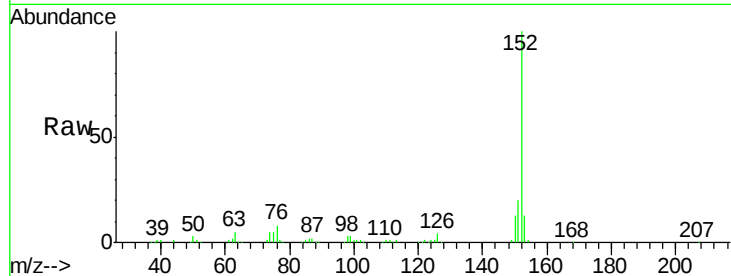
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.0	10.4	15.6

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#50

Dimethylphthalate

Concen: 7.511 ng

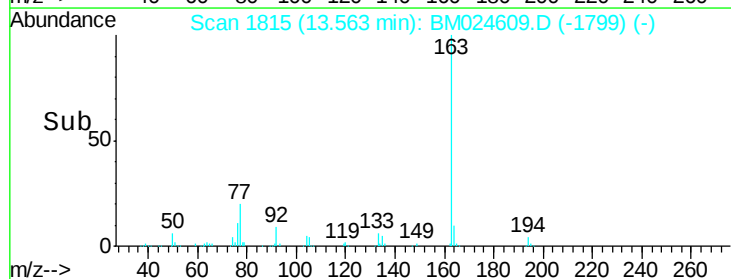
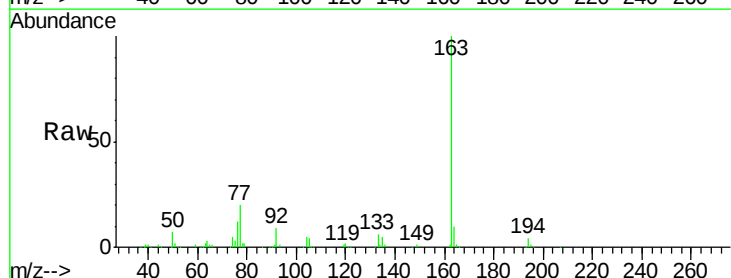
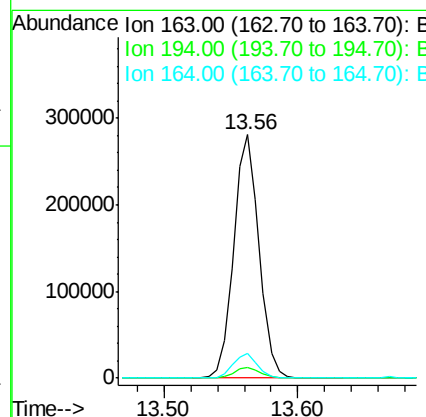
RT: 13.56 min Scan# 1815

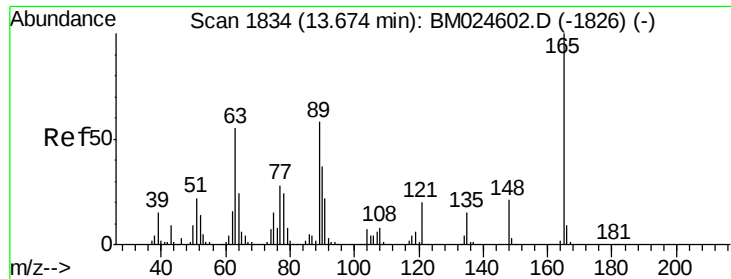
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.3	8.0	12.0





#51

2,6-Dinitrotoluene

Concen: 7.014 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

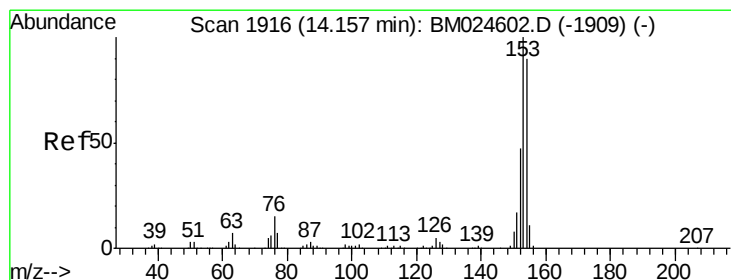
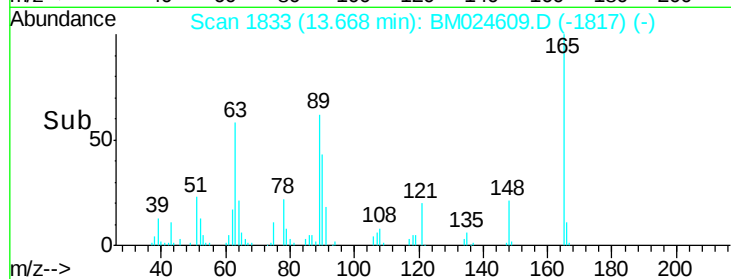
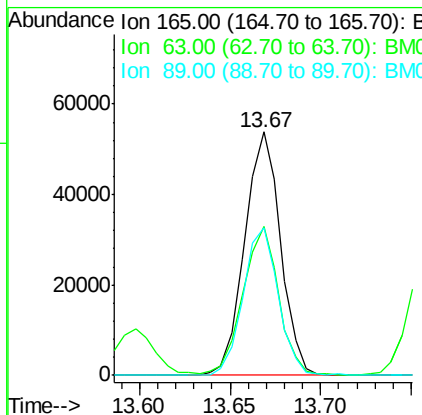
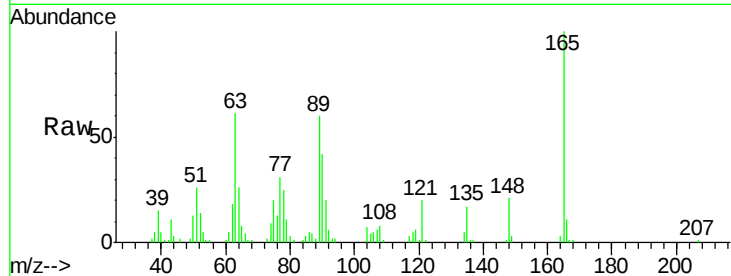
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	165	Resp:	73825
Ion Ratio	Lower	Upper	
165	100		
63	61.0	45.4	68.0
89	60.4	46.6	69.8

Manual Integrations
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#52

Acenaphthene

Concen: 7.254 ng

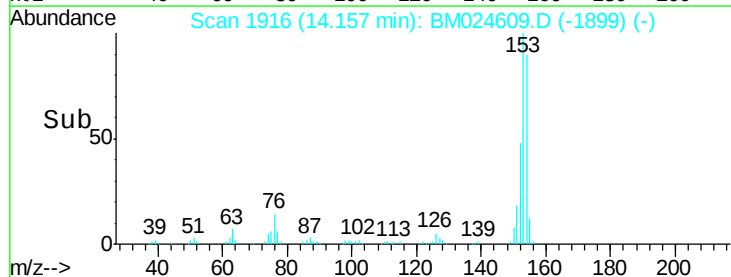
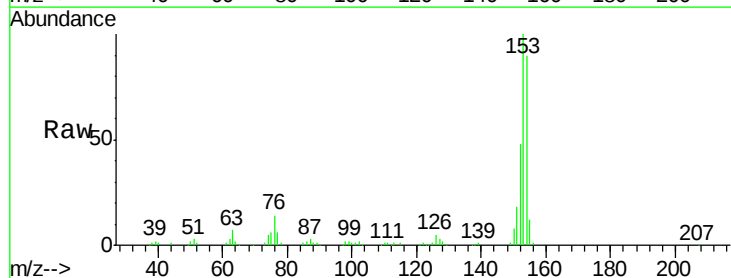
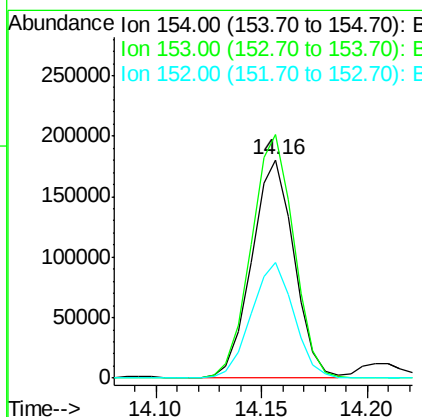
RT: 14.16 min Scan# 1916

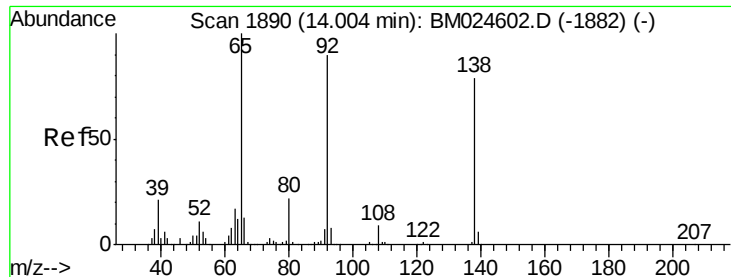
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	154	Resp:	252055
Ion Ratio	Lower	Upper	
154	100		
153	111.4	89.1	133.7
152	53.1	41.9	62.9





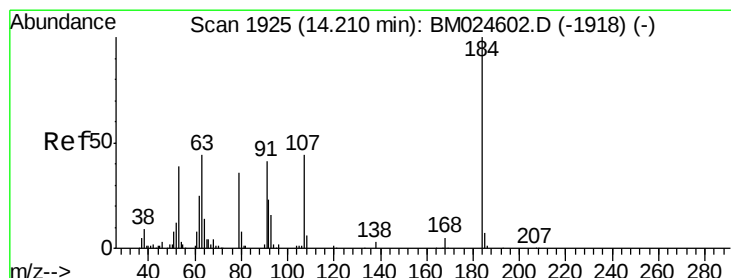
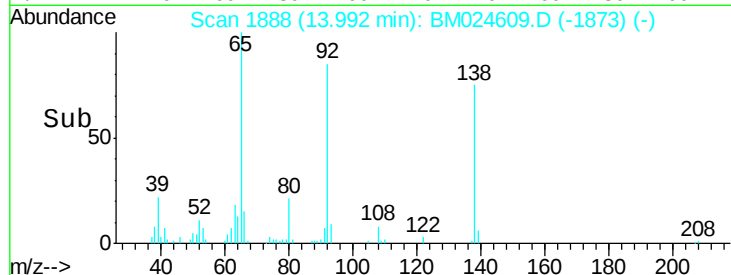
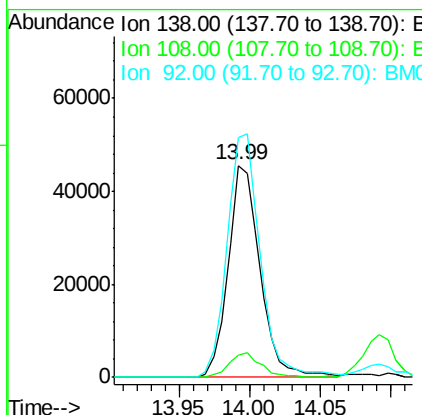
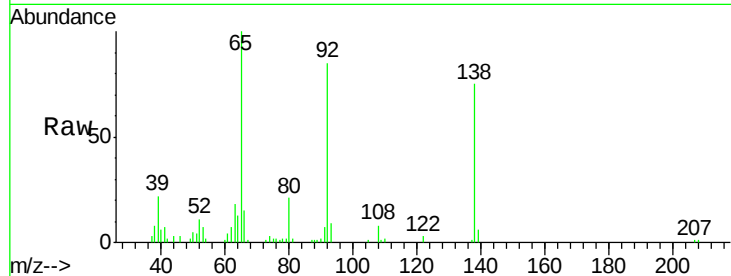
#53
3-Nitroaniline
Concen: 6.572 ng
RT: 13.99 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.7	13.1
92	113.4	91.0	136.4

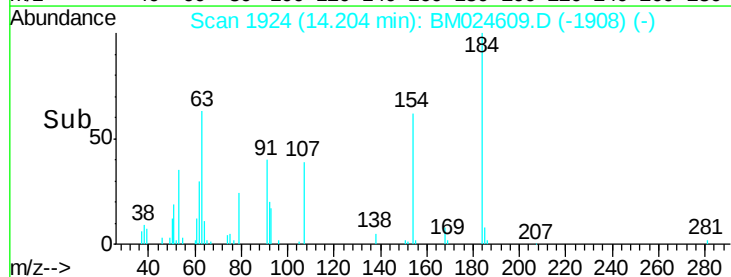
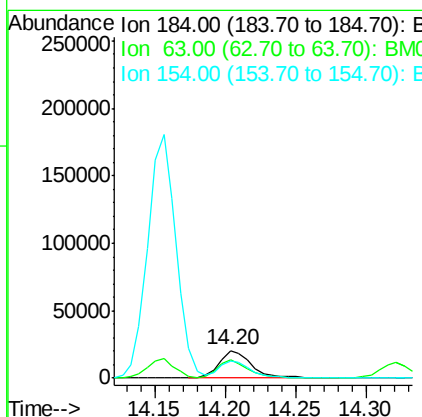
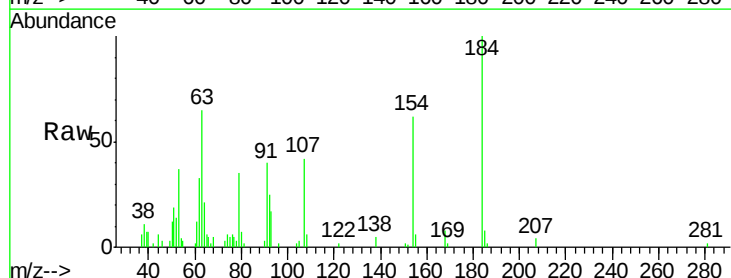
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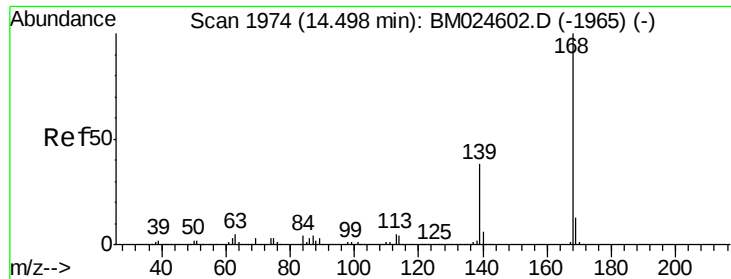
mohammad
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#54
2,4-Dinitrophenol
Concen: 5.024 ng
RT: 14.20 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.8	51.8	77.8
154	61.5	50.2	75.4





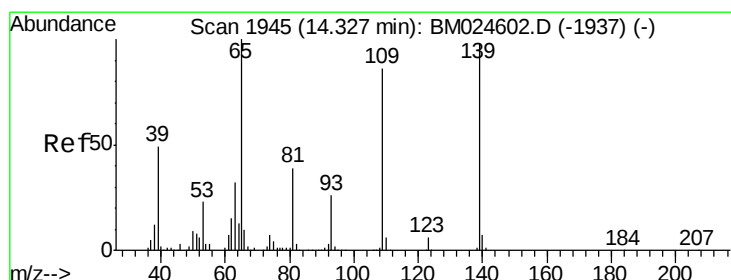
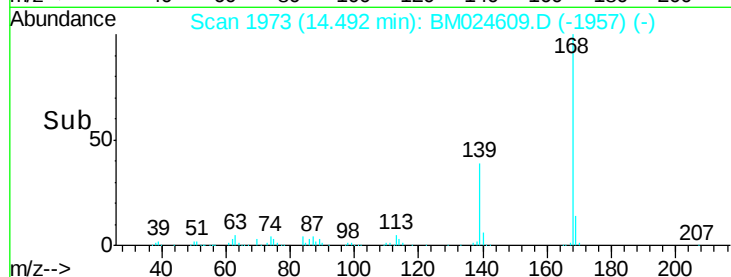
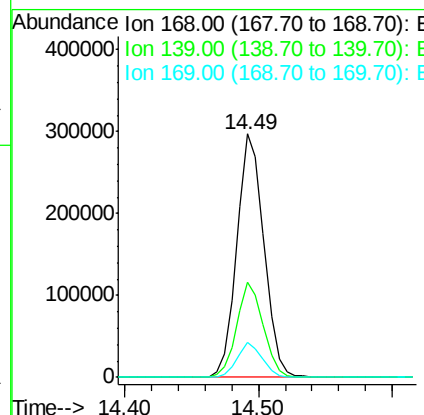
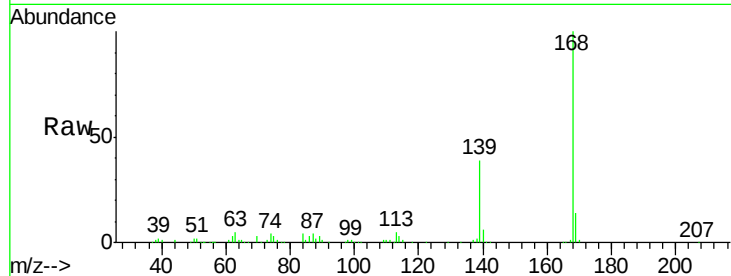
#55
Dibenzofuran
Concen: 7.431 ng
RT: 14.49 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.2	45.4
169	14.1	10.7	16.1

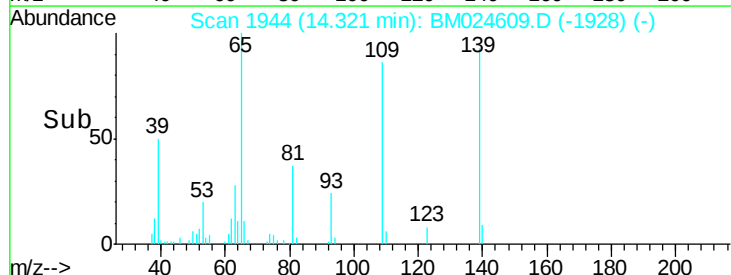
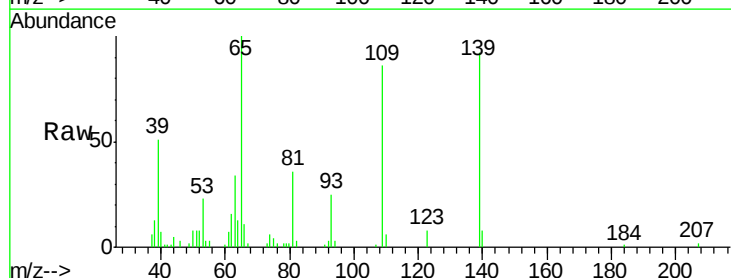
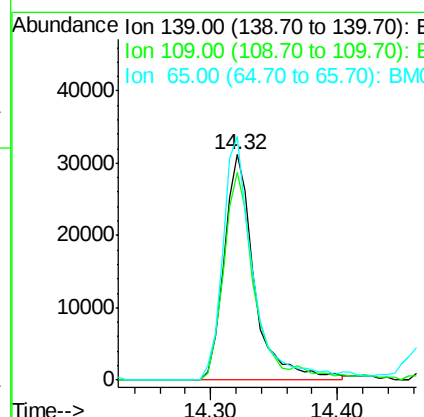
Manual Integrations
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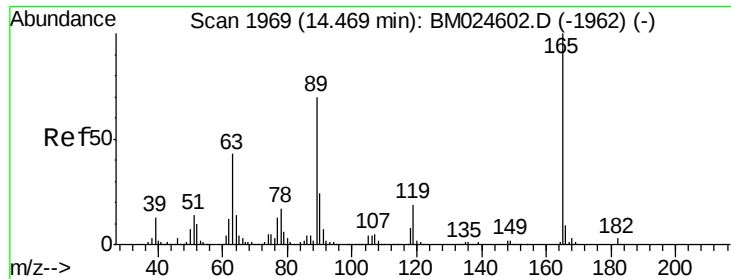
mohammad
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#56
4-Nitrophenol
Concen: 6.074 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	92.5	67.4	107.4
65	108.1	82.1	122.1





#57

2,4-Dinitrotoluene

Concen: 6.738 ng

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

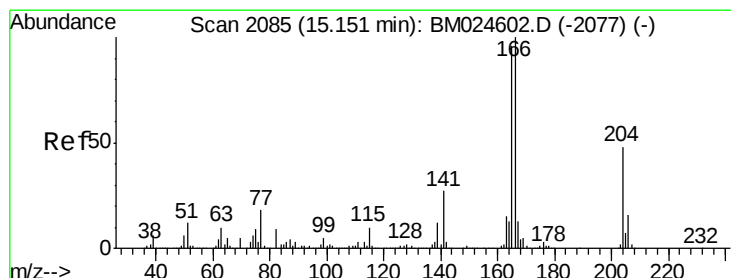
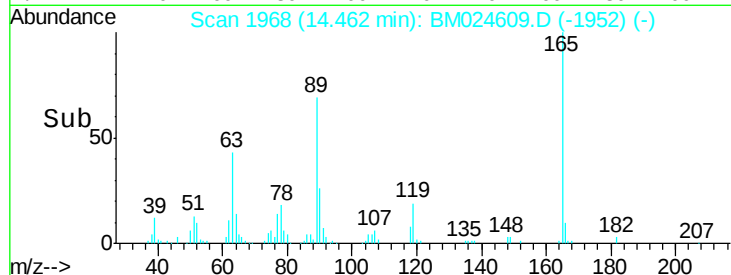
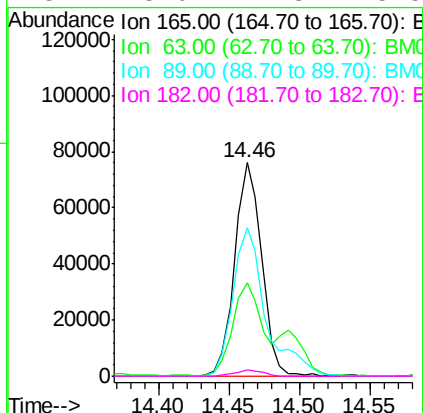
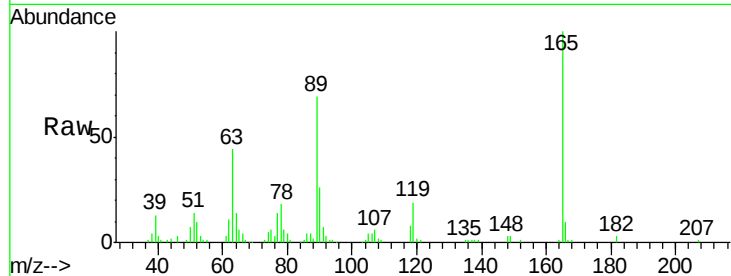
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.7	34.5	51.7
89	69.5	55.8	83.8
182	3.0	2.3	3.5

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#58

Fluorene

Concen: 7.168 ng

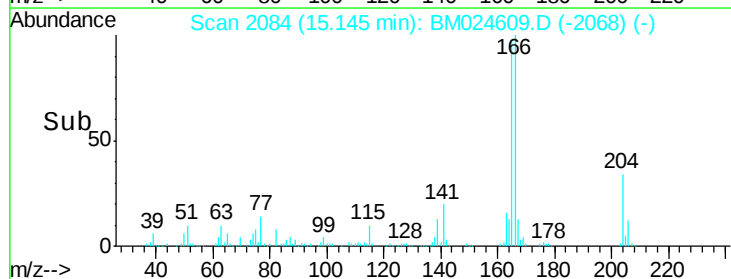
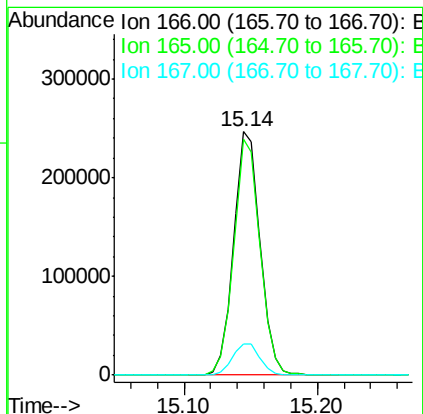
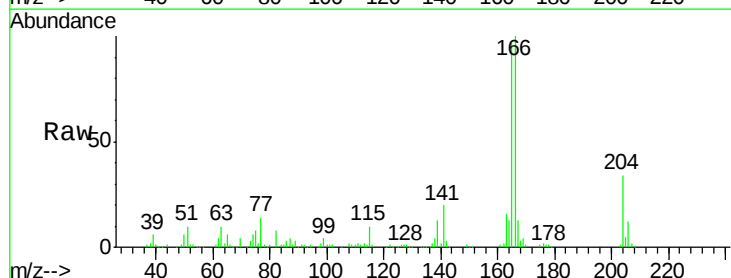
RT: 15.14 min Scan# 2084

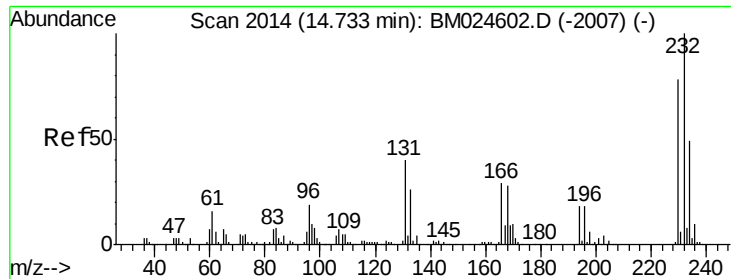
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.6	114.8
167	12.6	10.8	16.2





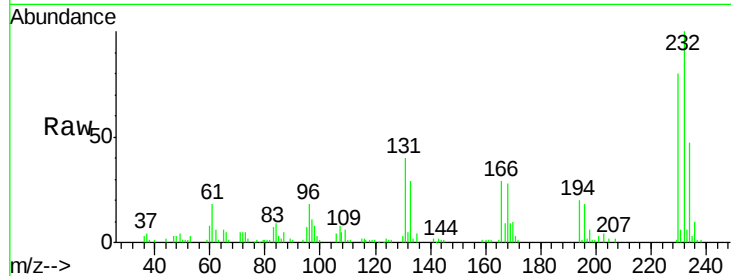
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.933 ng
RT: 14.73 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

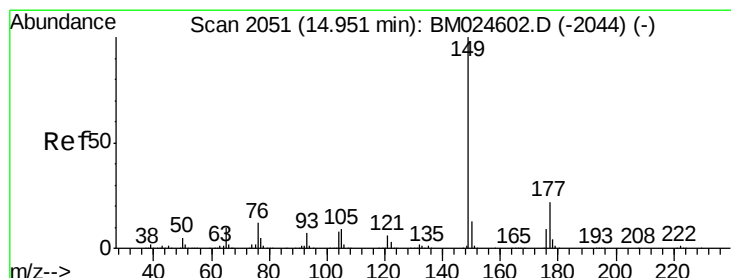
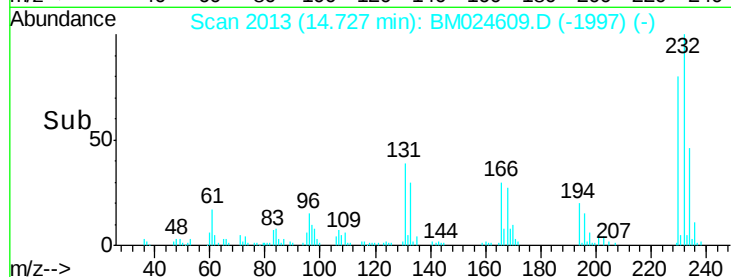
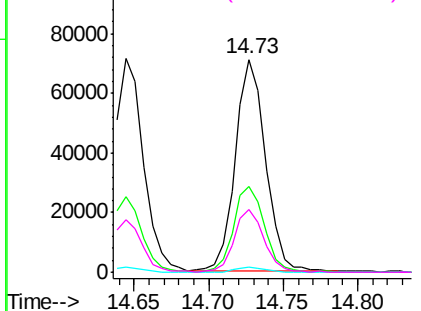
Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	41.3	32.2	48.4	
130	2.4	1.9	2.9	
166	29.5	23.4	35.0	

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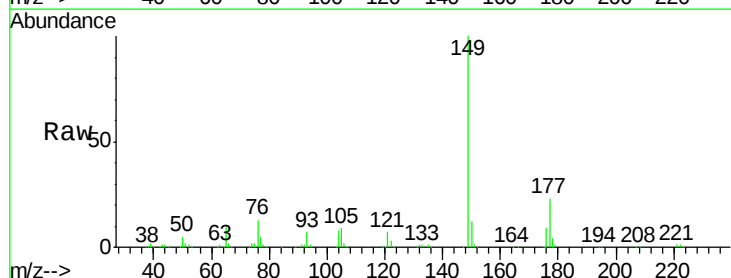


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

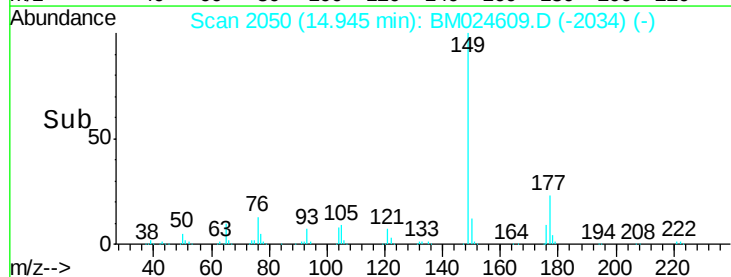
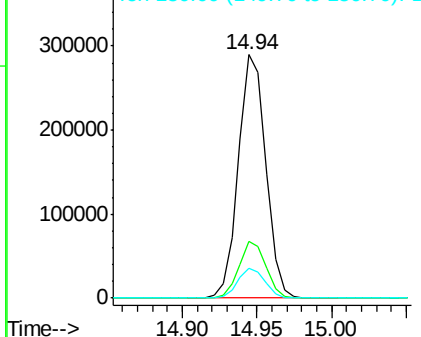


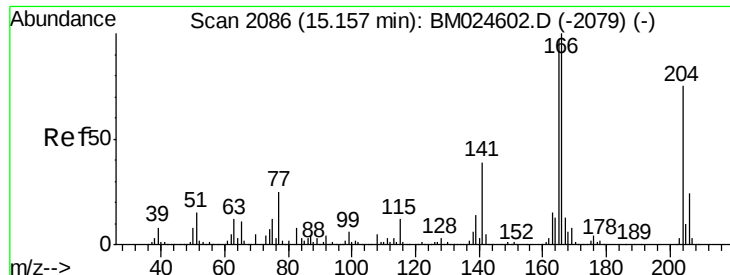
#60
Diethylphthalate
Concen: 7.329 ng
RT: 14.94 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	23.4	18.0	27.0	
150	12.0	10.2	15.4	



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





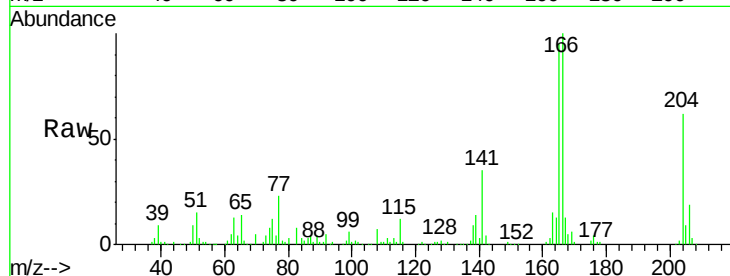
#61
 4-Chlorophenyl-phenylether
 Concen: 7.277 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

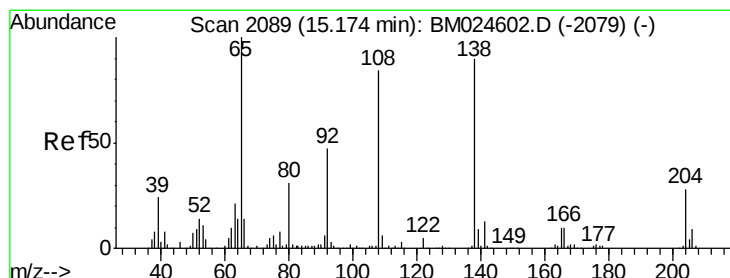
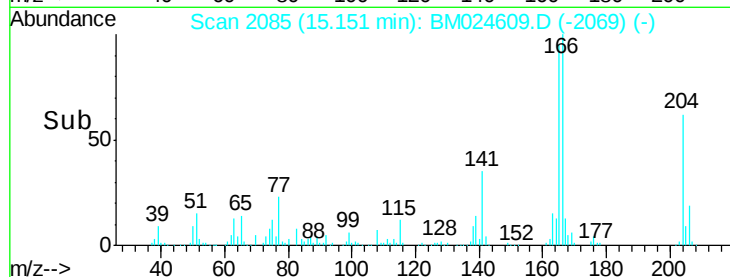
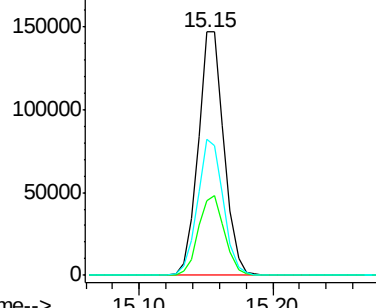
Tot Ion	Ratio	Lower	Upper
204	100		
206	30.7	26.2	39.2
141	56.0	42.2	63.2

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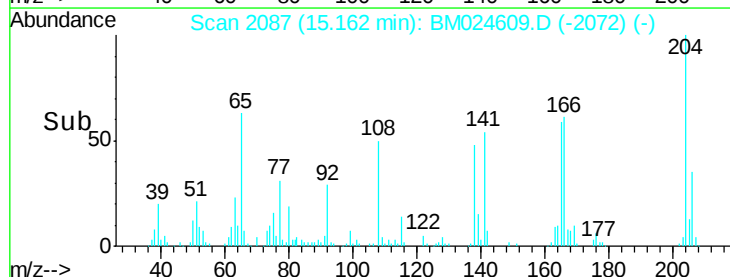
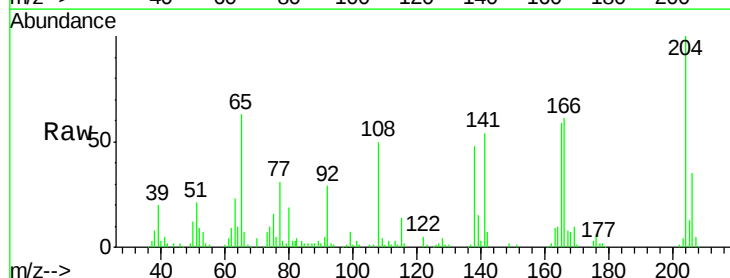
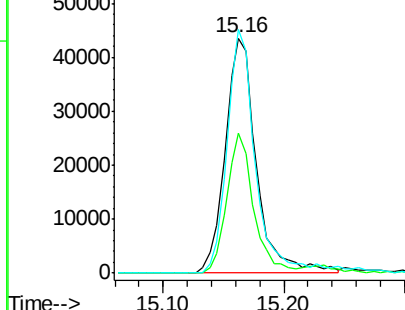
Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

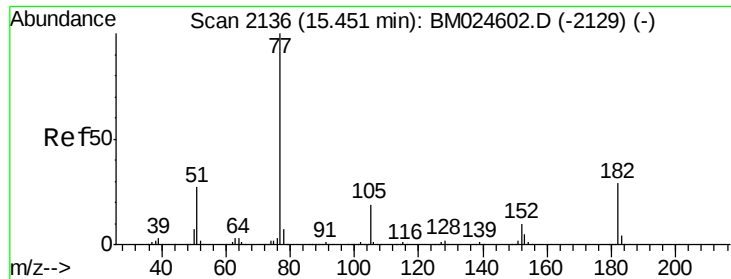


#62
 4-Nitroaniline
 Concen: 6.485 ng
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.8	32.4	72.4
108	103.7	73.3	113.3

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





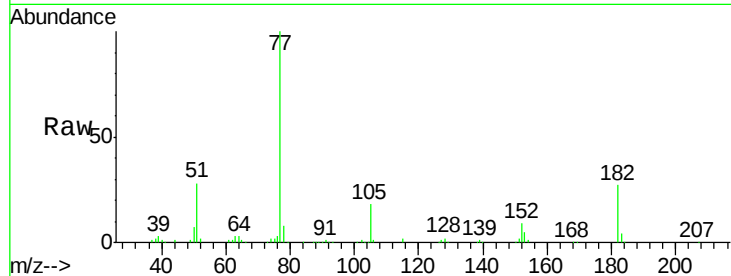
#63
Azobenzene
Concen: 7.374 ng
RT: 15.44 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	26.5	8.7	48.7		
105	18.4	0.0	39.2		
51	27.5	7.5	47.5		

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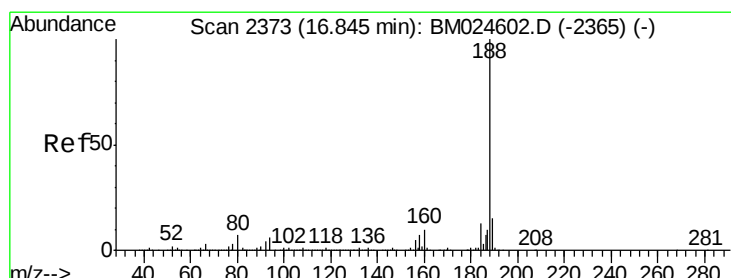
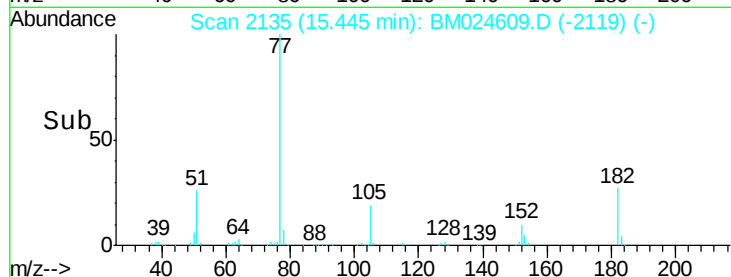
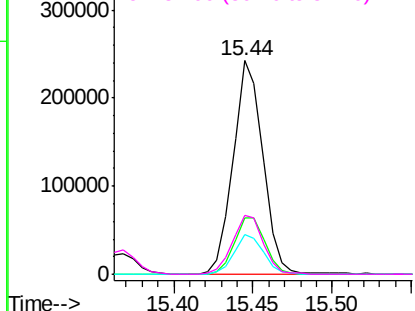


Abundance Ion 77.00 (76.70 to 77.70): BM024609.D (-2119) (-)

Ion 182.00 (181.70 to 182.70): BM024609.D (-2119) (-)

Ion 105.00 (104.70 to 105.70): BM024609.D (-2119) (-)

Ion 51.00 (50.70 to 51.70): BM024609.D (-2119) (-)



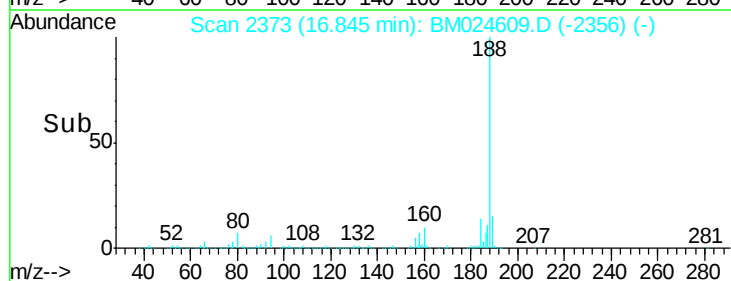
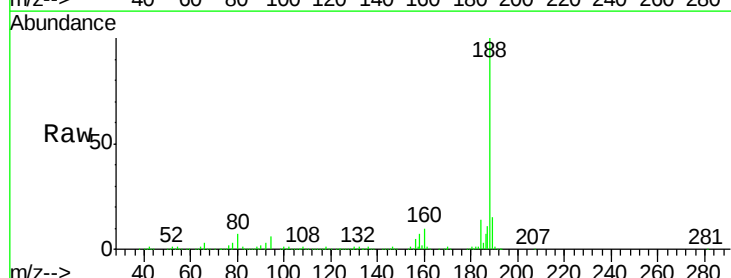
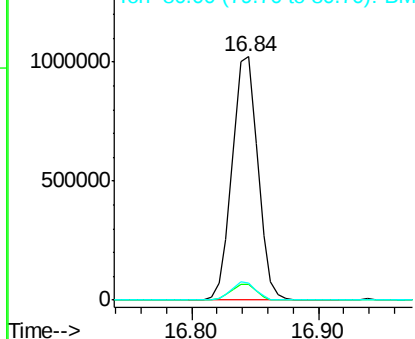
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2373
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

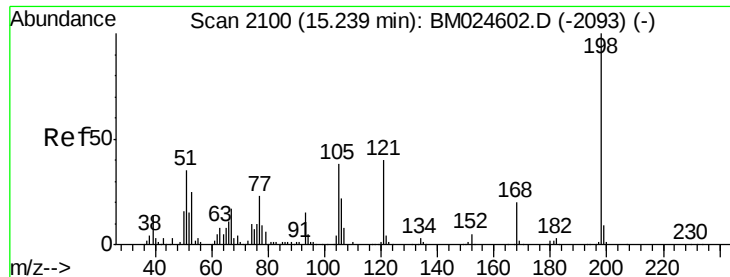
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	6.4	5.0	7.6		
80	6.9	5.8	8.8		

Abundance Ion 188.00 (187.70 to 188.70): BM024609.D (-2356) (-)

Ion 94.00 (93.70 to 94.70): BM024609.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024609.D (-2356) (-)





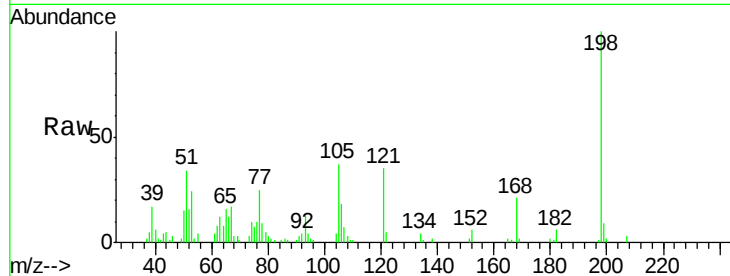
#65
4,6-Dinitro-2-methylphenol
Concen: 5.824 ng
RT: 15.23 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

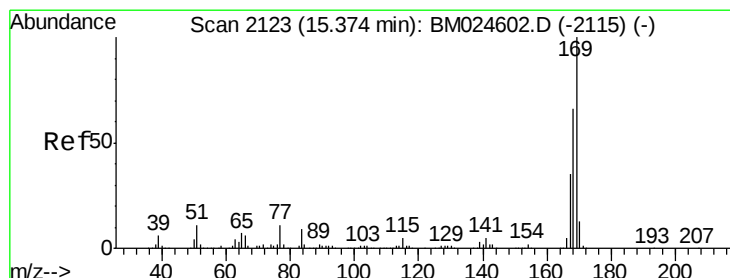
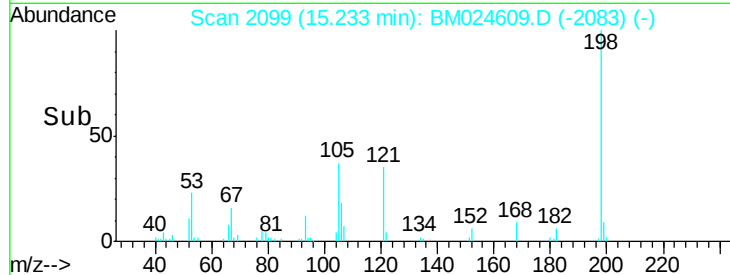
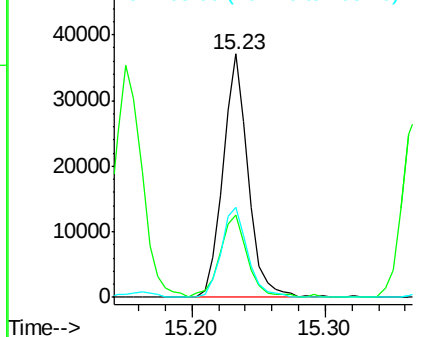
Tot Ion	Ratio	Lower	Upper
198	100		
51	33.8	15.8	55.8
105	36.8	18.5	58.5

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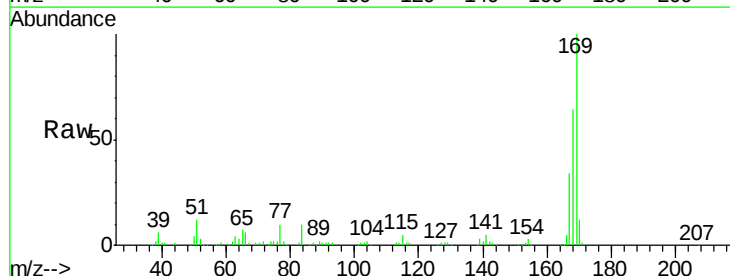


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM024609.D (-2093) (-)
Ion 105.00 (104.70 to 105.70): E

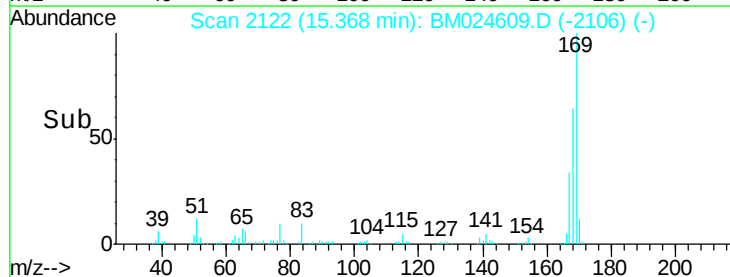
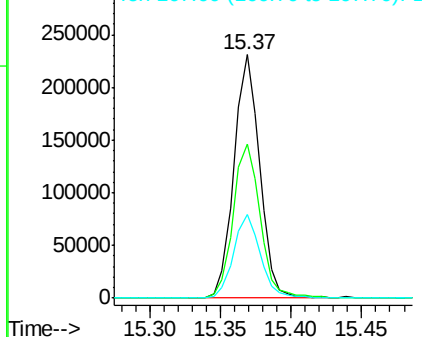


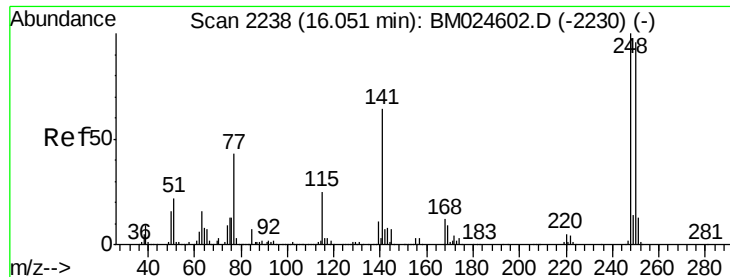
#66
n-Nitrosodiphenylamine
Concen: 7.151 ng
RT: 15.37 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
169	100		
168	63.5	52.8	79.2
167	34.4	28.2	42.2



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





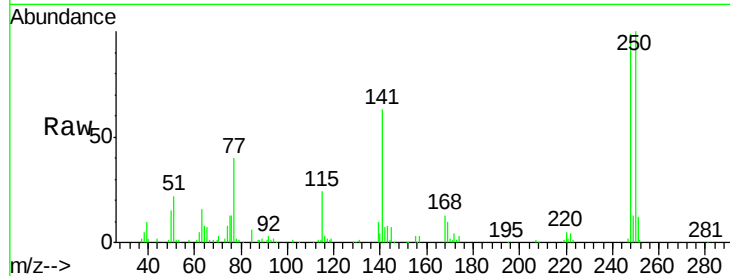
#67
4-Bromophenyl-phenylether
Concen: 7.198 ng
RT: 16.05 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.1	77.0	115.6
141	63.5	50.9	76.3

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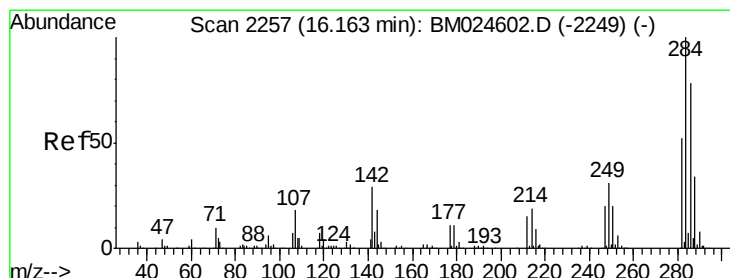
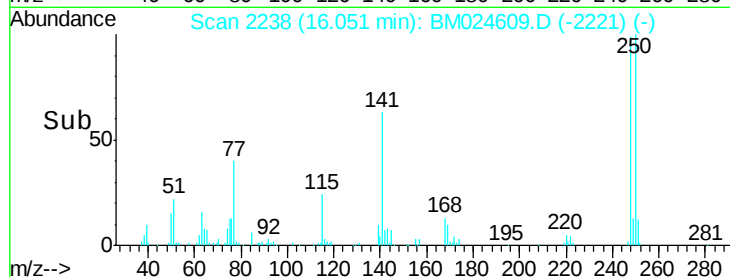
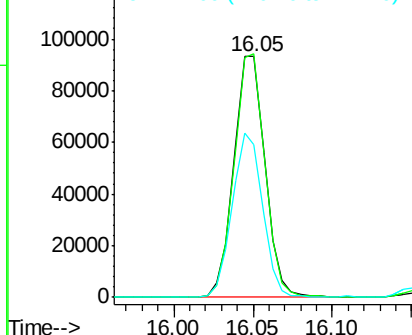


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 7.428 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

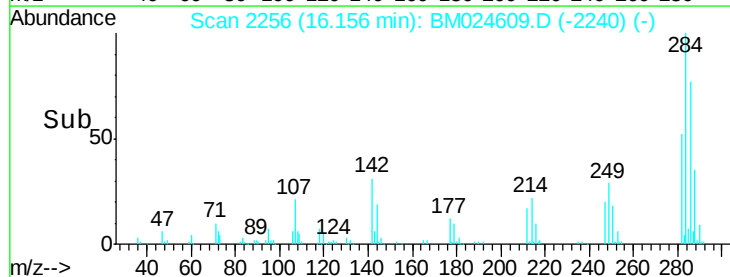
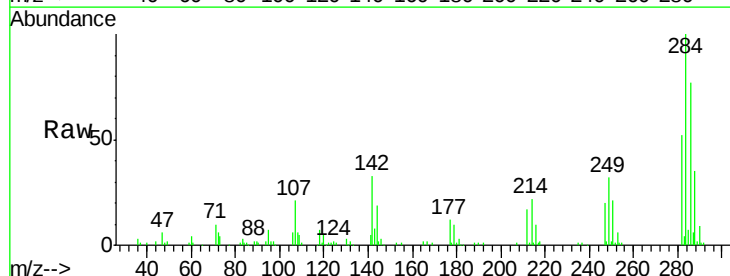
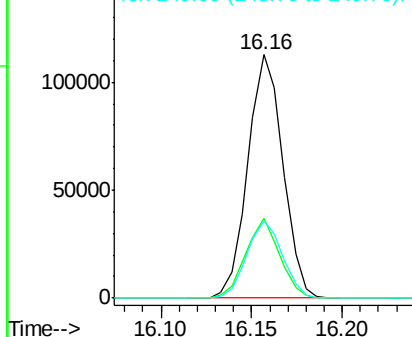
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.6	23.5	35.3
249	31.8	24.6	36.8

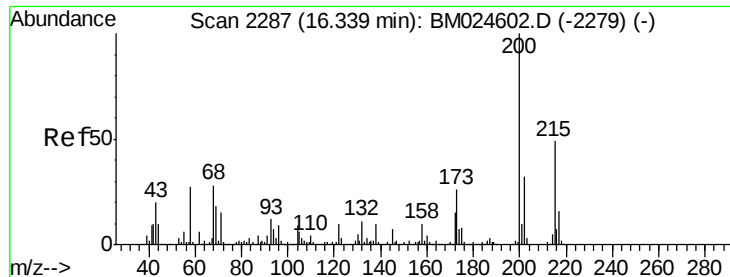
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





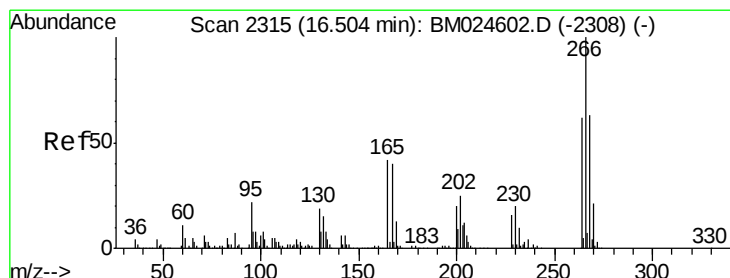
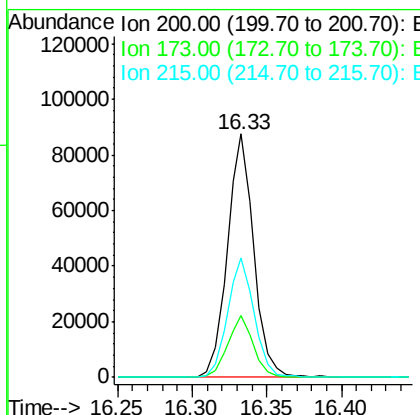
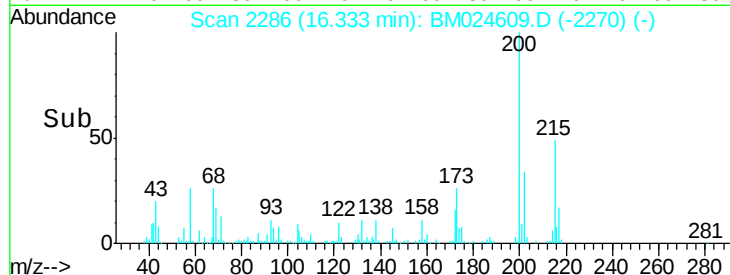
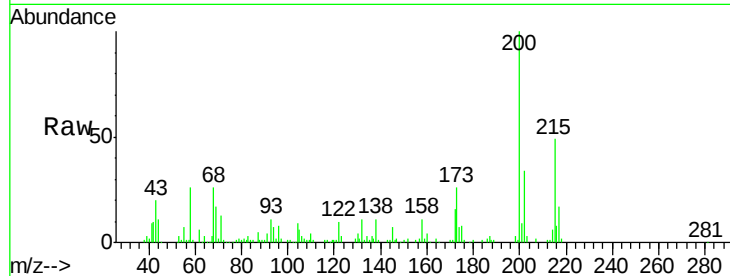
#69
Atrazine
Concen: 6.862 ng
RT: 16.33 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	25.6	5.5	45.5
215	49.0	29.4	69.4

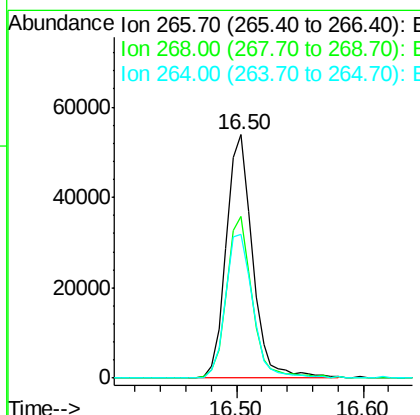
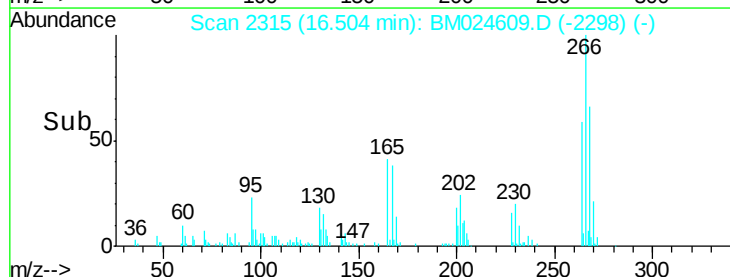
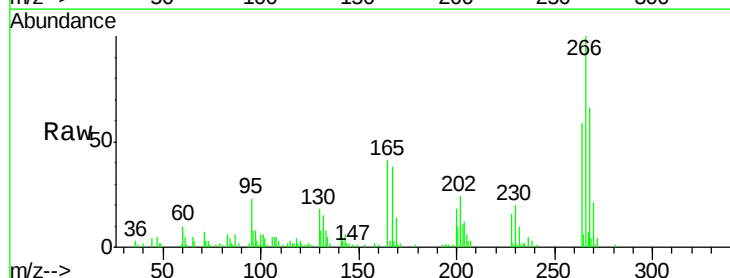
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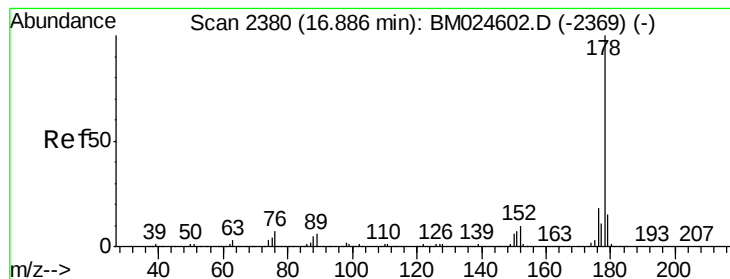
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#70
Pentachlorophenol
Concen: 6.226 ng
RT: 16.50 min Scan# 2315
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	66.2	50.4	75.6
264	59.1	49.9	74.9





#71

Phenanthrene

Concen: 7.329 ng

RT: 16.88 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

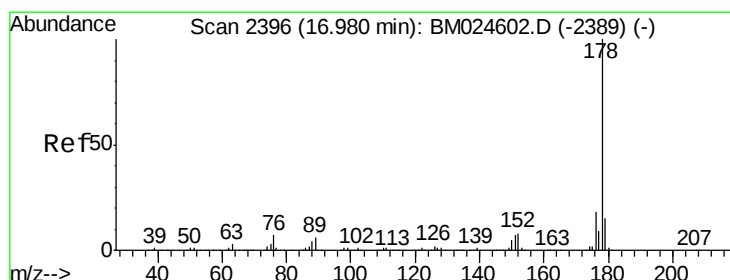
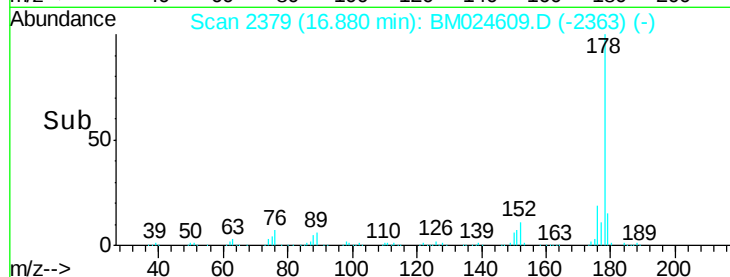
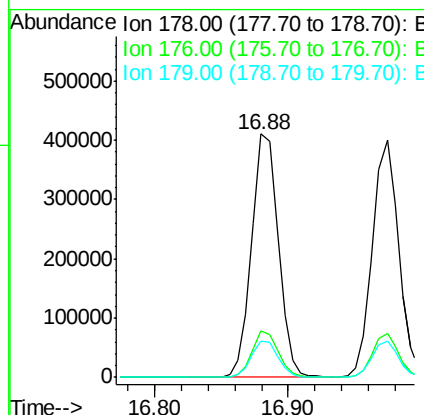
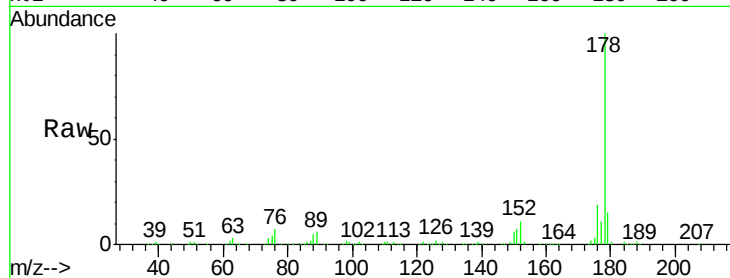
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	178	Resp:	567772
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.5	21.7
179	15.0	11.9	17.9

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#72

Anthracene

Concen: 7.159 ng

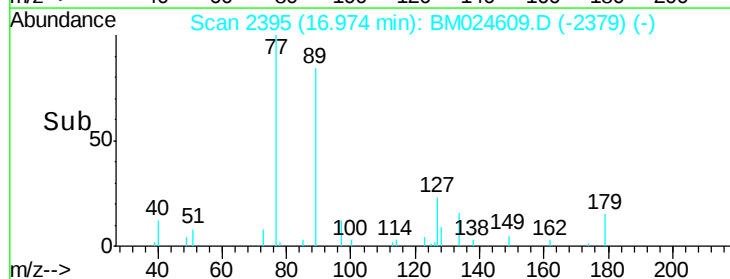
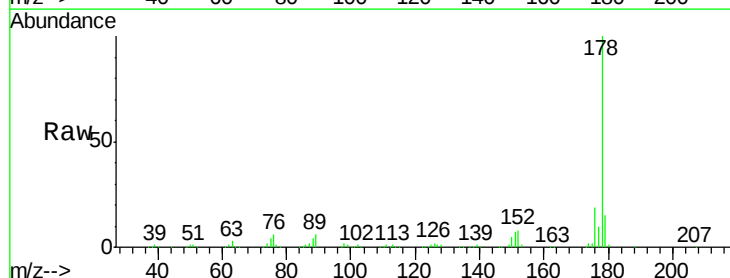
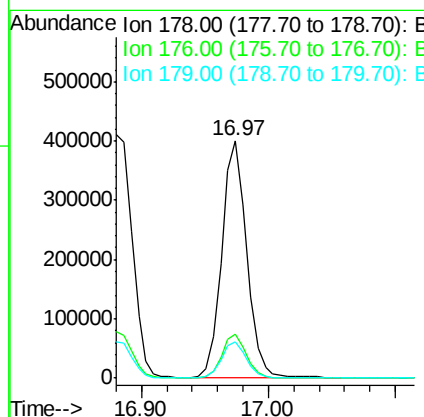
RT: 16.97 min Scan# 2395

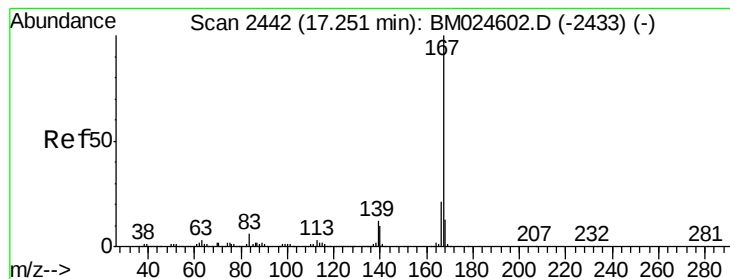
Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	178	Resp:	542667
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.3	21.5
179	15.5	12.1	18.1





#73

Carbazole

Concen: 7.127 ng

RT: 17.24 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

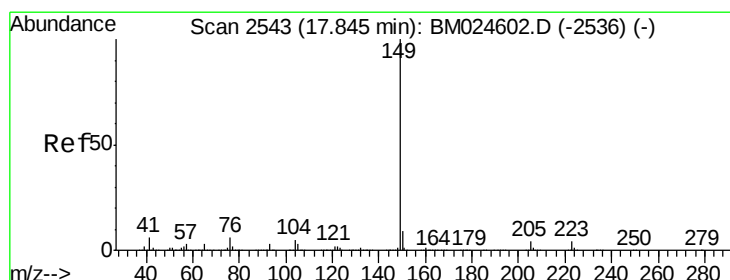
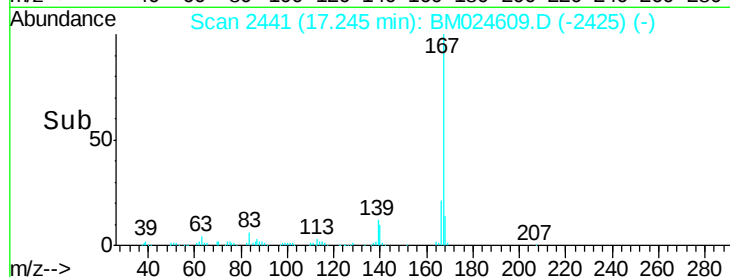
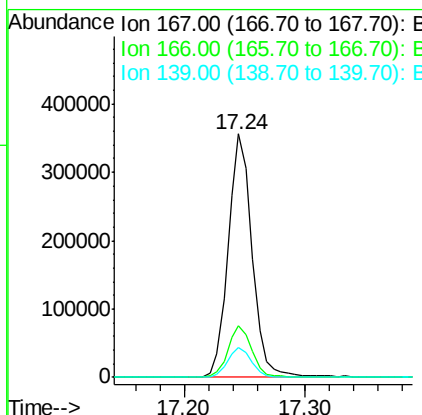
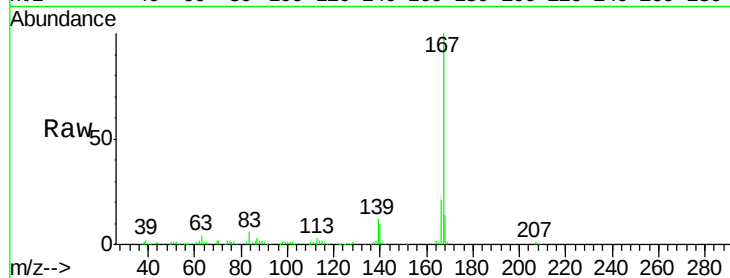
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	167	Resp:	491837
Ion Ratio		Lower	Upper
167	100		
166	21.1	17.1	25.7
139	12.3	9.8	14.8

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#74

Di-n-butylphthalate

Concen: 6.778 ng

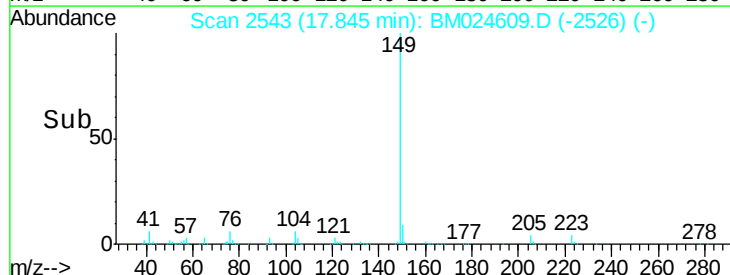
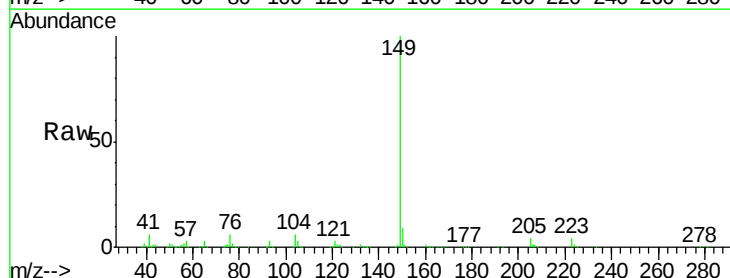
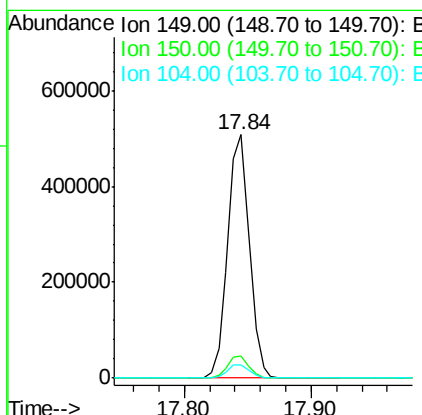
RT: 17.84 min Scan# 2543

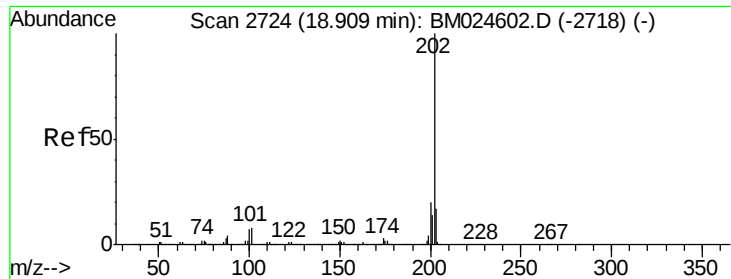
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	149	Resp:	597977
Ion Ratio		Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.6	4.3	6.5





#75

Fluoranthene

Concen: 7.115 ng

RT: 18.91 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

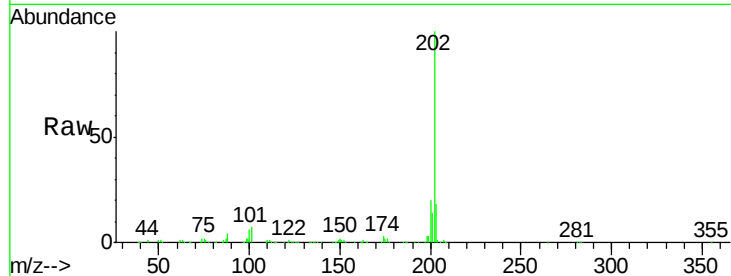
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

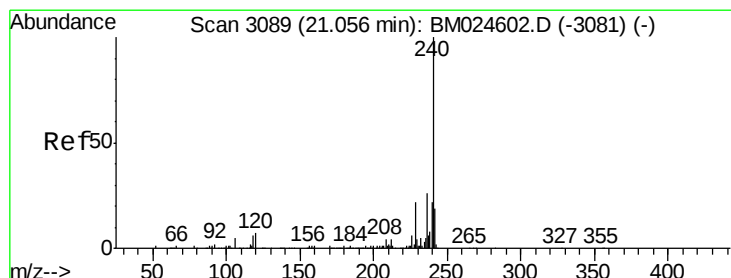
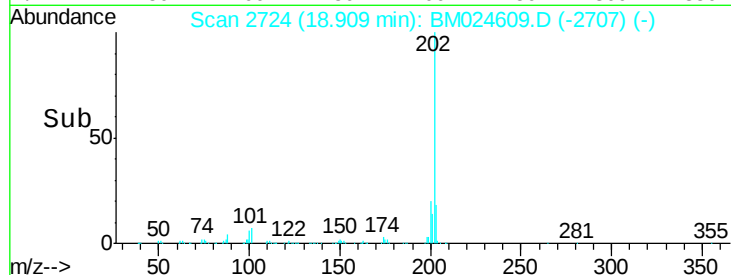
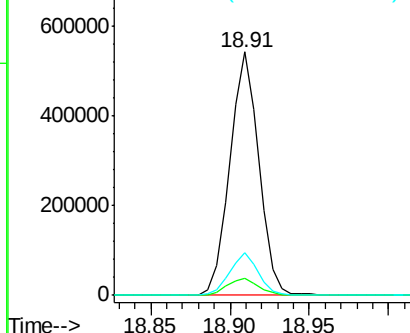
Tot Ion	Ratio	Resp	Lower	Upper
202	100	687966		
101	7.2	0.0	28.4	
203	17.6	0.0	37.5	

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



#76

Chrysene-d12

Concen: 20.000 ng

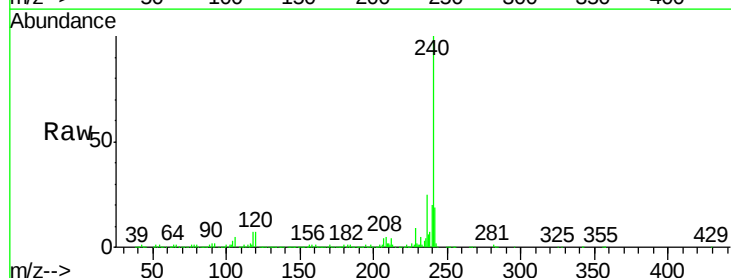
RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

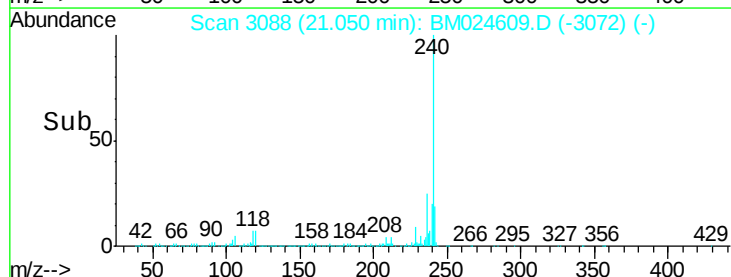
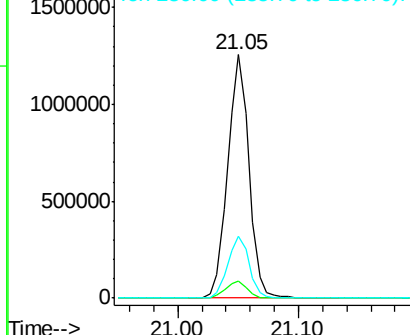
Lab File: BM024609.D

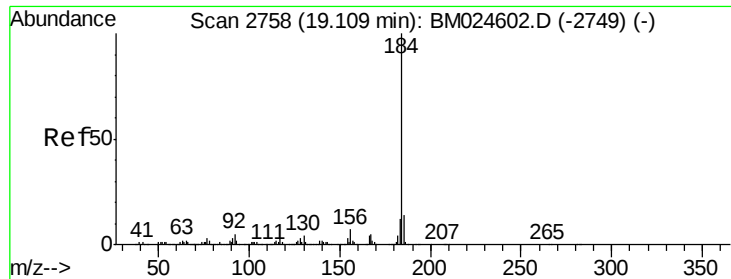
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1534083		
120	7.0	5.3	7.9	
236	25.4	20.6	31.0	



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: 6.335 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

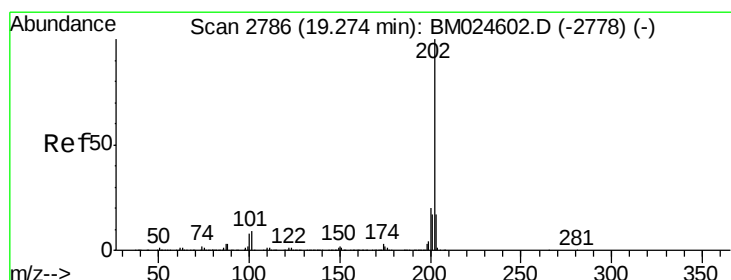
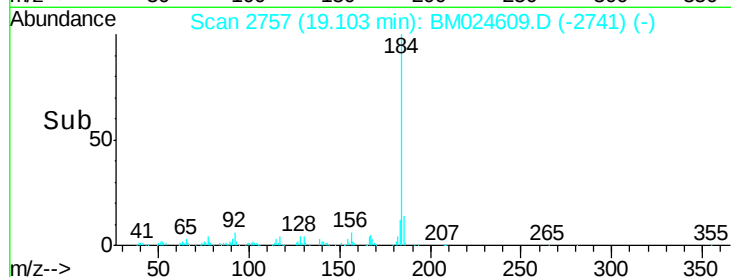
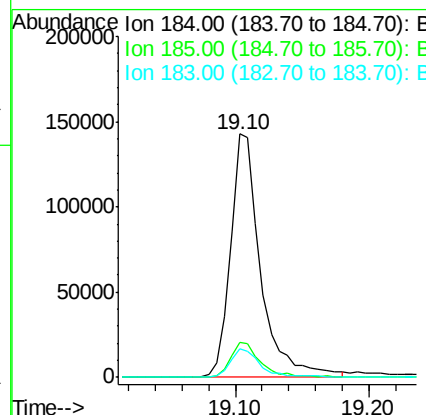
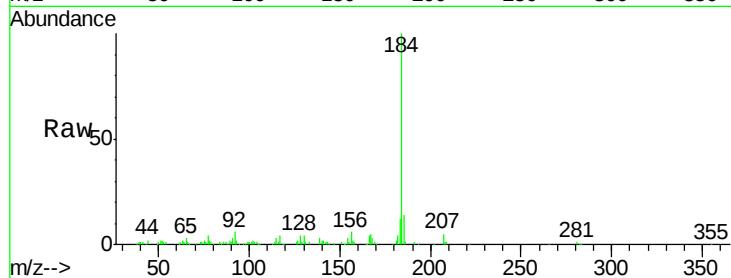
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	184	Resp:	226318
Ion Ratio	Lower	Upper	
184	100		
185	14.4	11.3	16.9
183	11.8	9.6	14.4

Manual Integrations
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#78

Pyrene

Concen: 7.121 ng

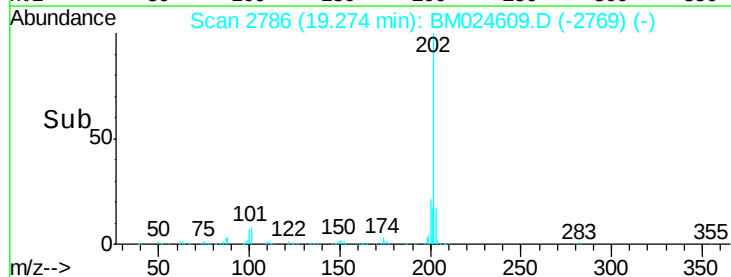
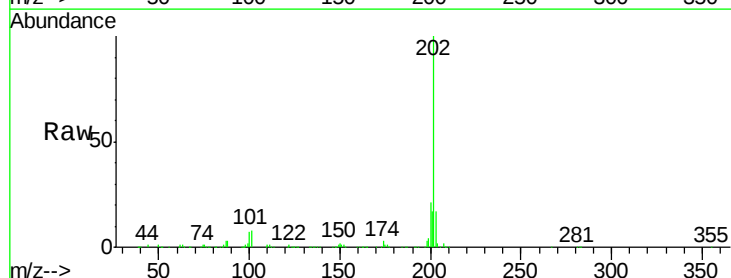
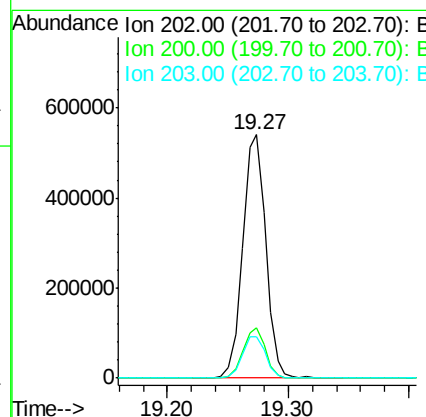
RT: 19.27 min Scan# 2786

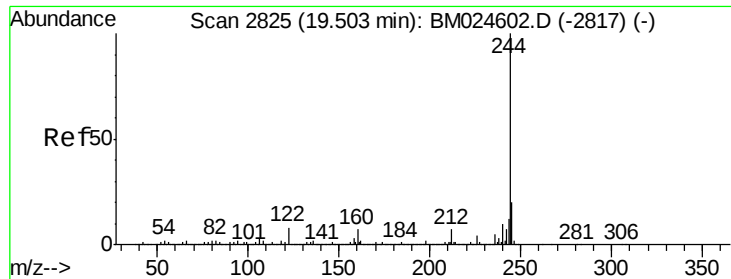
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	202	Resp:	720127
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.2	24.2
203	17.0	14.0	21.0





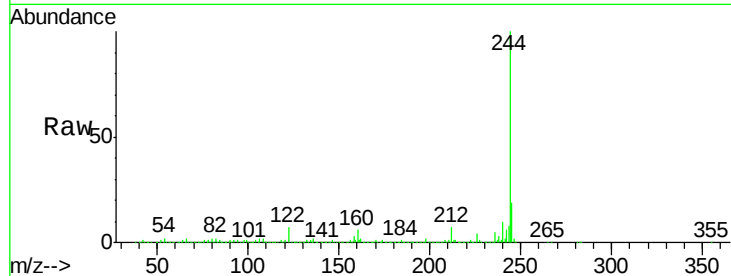
#79
 Terphenyl-d14
 Concen: 81.818 ng
 RT: 19.50 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

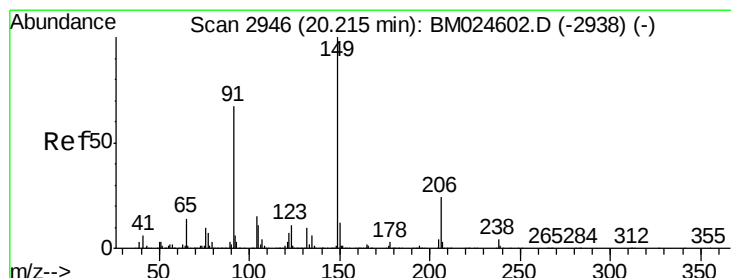
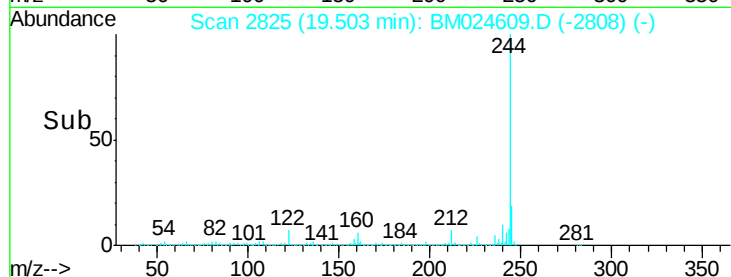
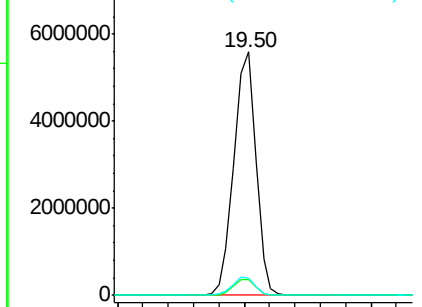
Tot Ion:244 Resp: 6723237
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 6.9 6.2 9.4

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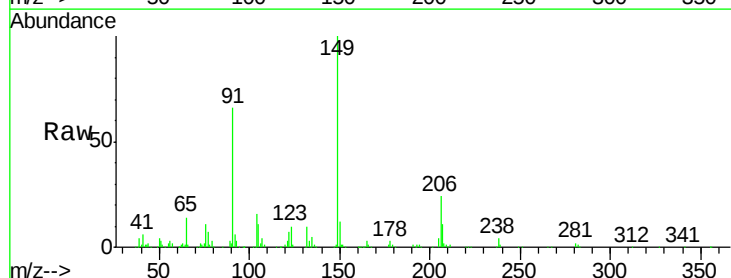


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

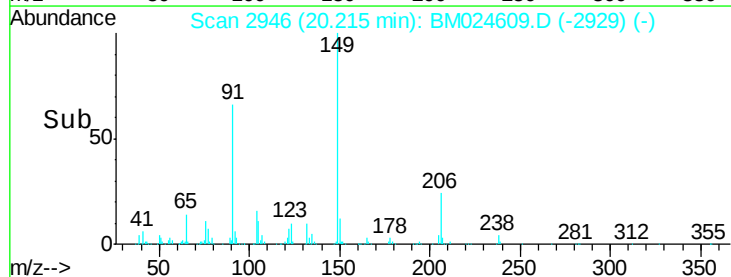
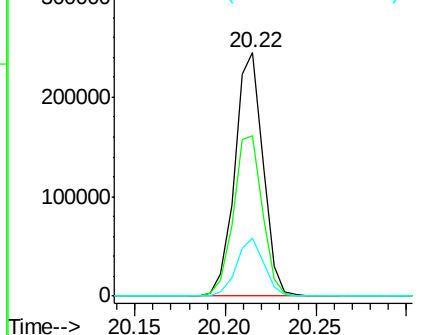


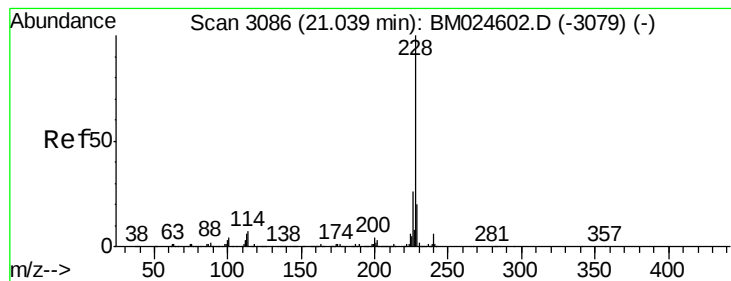
#80
 Butylbenzylphthalate
 Concen: 6.239 ng
 RT: 20.22 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BM024609.D
 Acq: 23 Jan 2020 15:57

Tgt Ion:149 Resp: 264742
 Ion Ratio Lower Upper
 149 100
 91 66.0 53.9 80.9
 206 24.0 19.0 28.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM0
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.401 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

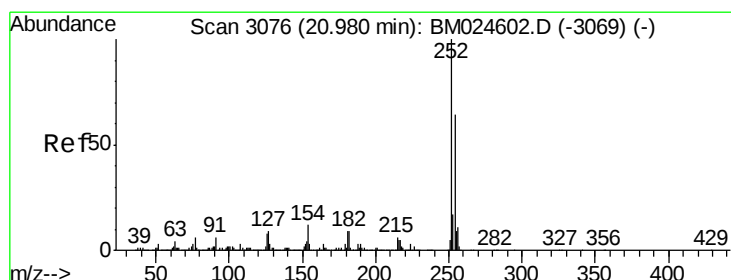
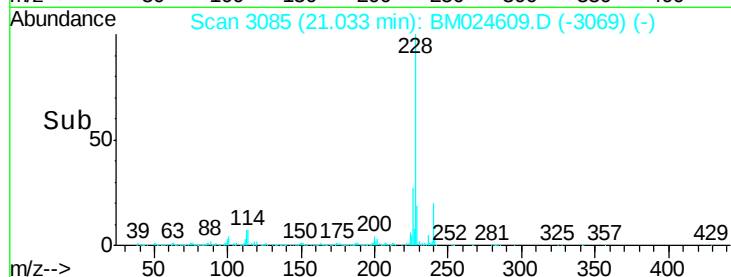
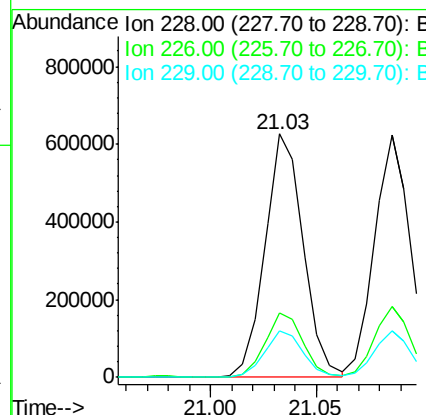
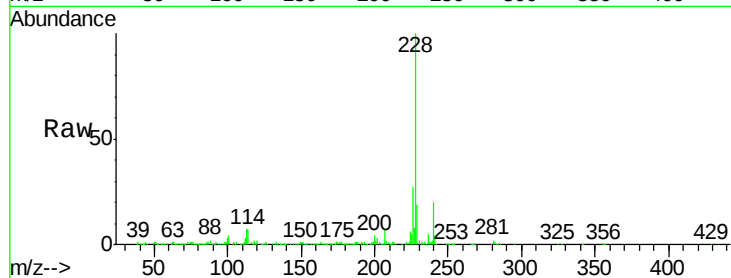
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	228	Resp:	788042
Ion Ratio	Lower	Upper	
228	100		
226	26.6	21.1	31.7
229	19.3	15.8	23.6

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#82

3,3'-Dichlorobenzidine

Concen: 6.621 ng

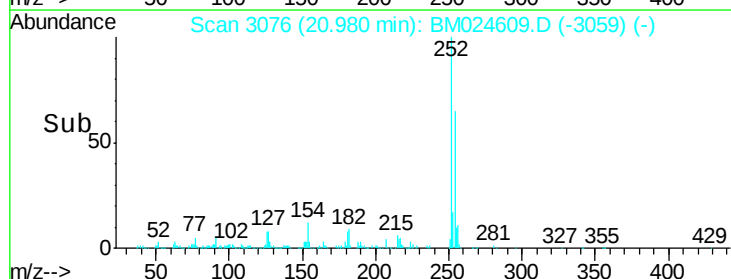
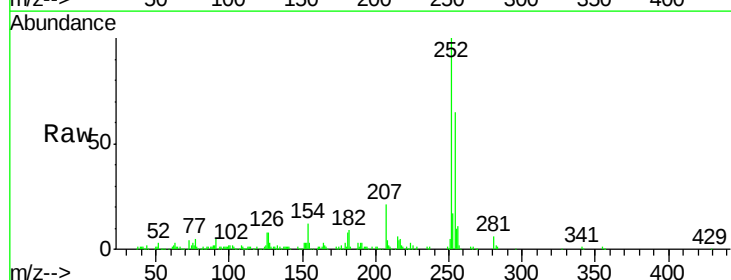
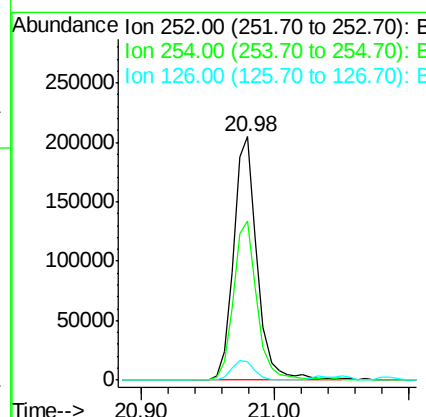
RT: 20.98 min Scan# 3076

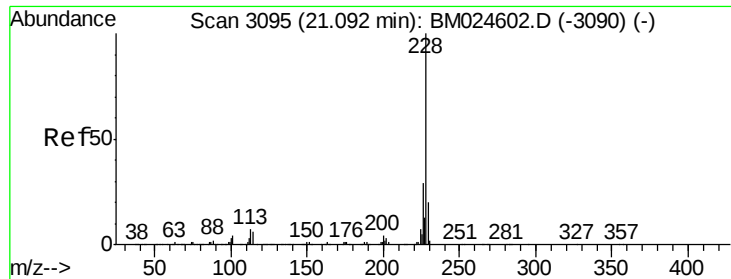
Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion:	252	Resp:	253576
Ion Ratio	Lower	Upper	
252	100		
254	65.2	51.5	77.3
126	7.6	6.7	10.1





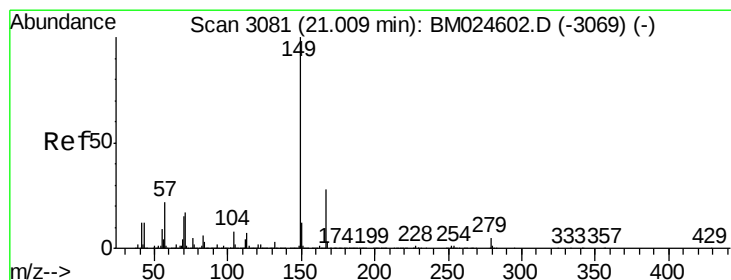
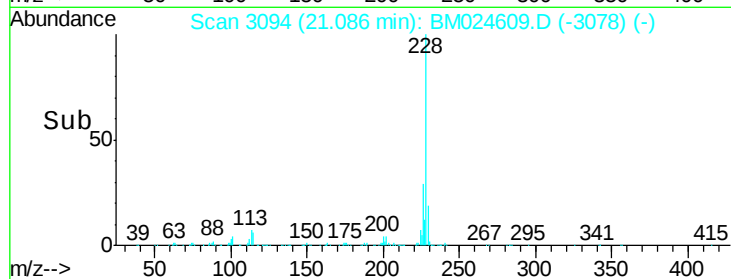
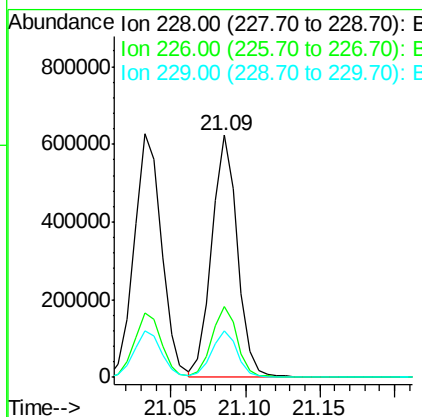
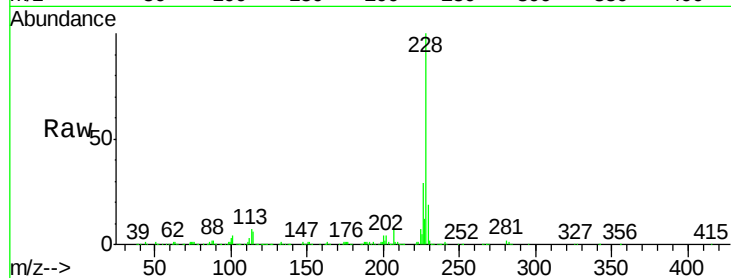
#83
Chrysene
Concen: 7.337 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	228	Resp:	745385
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.2	34.8
229	19.2	15.7	23.5

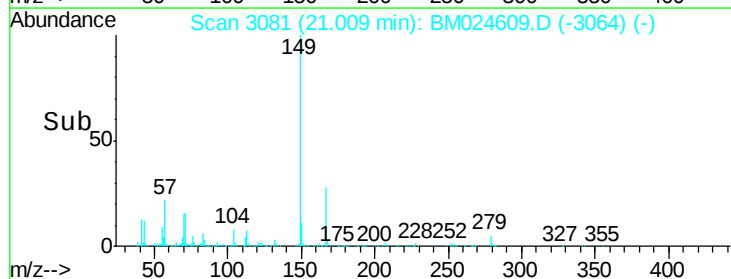
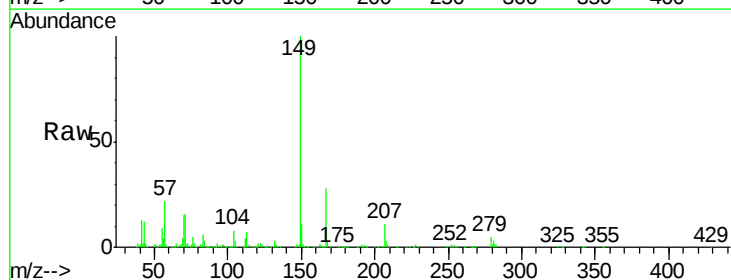
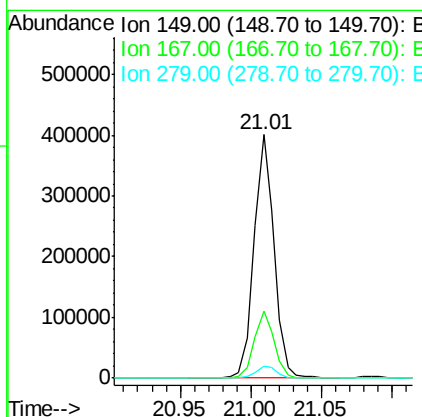
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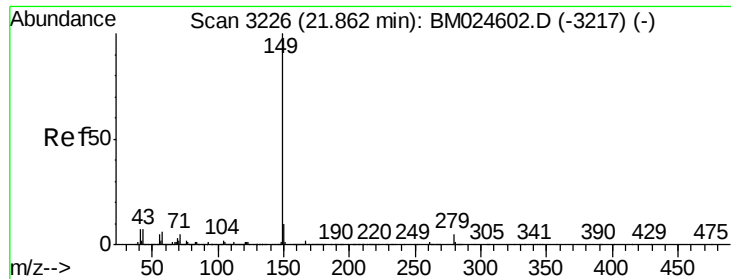
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.389 ng
RT: 21.01 min Scan# 3081
Delta R.T. -0.00 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion:	149	Resp:	400037
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.5	33.7
279	4.7	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 6.347 ng

RT: 21.86 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

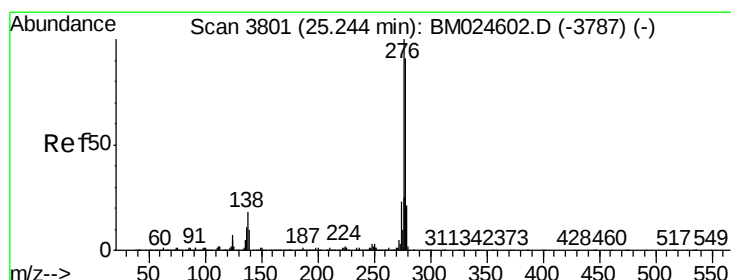
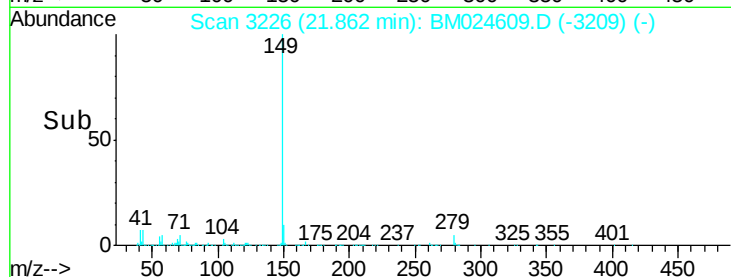
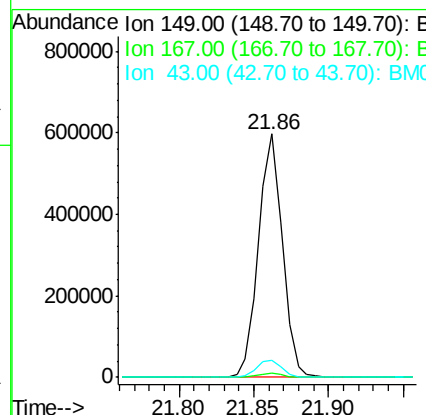
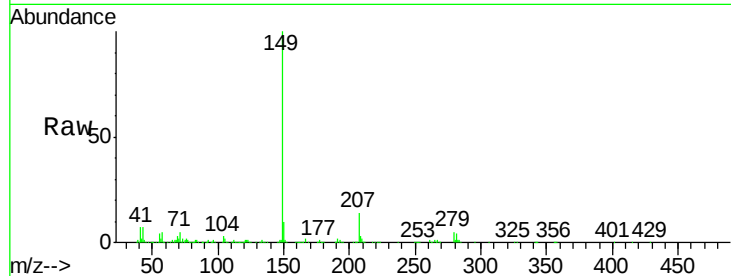
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100	656553		
167	1.6		1.3	1.9
43	7.2		5.8	8.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 7.327 ng

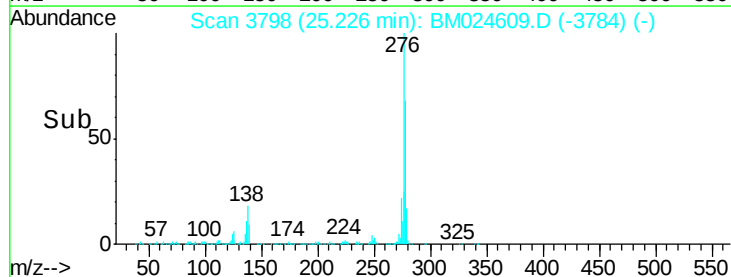
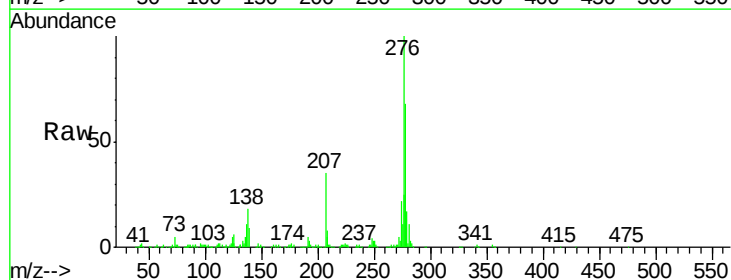
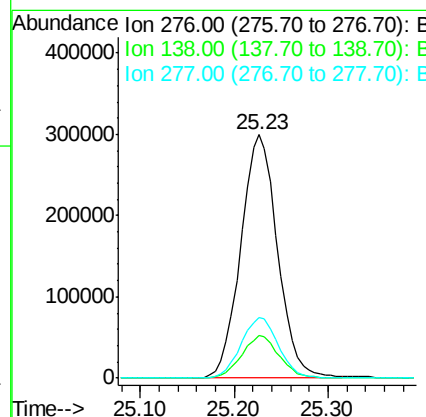
RT: 25.23 min Scan# 3798

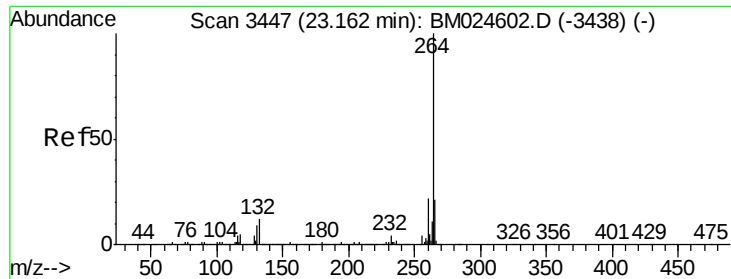
Delta R.T. -0.02 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	811340		
138	17.8		13.4	20.0
277	25.3		19.6	29.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.16 min Scan# 3447

Delta R.T. -0.00 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:264 Resp: 1727227

Ion Ratio Lower Upper

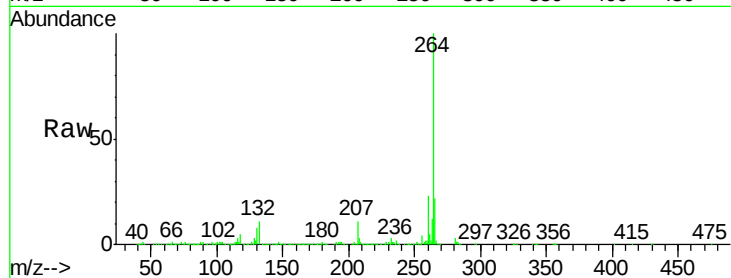
264 100

260 23.0 17.9 26.9

265 21.6 17.3 25.9

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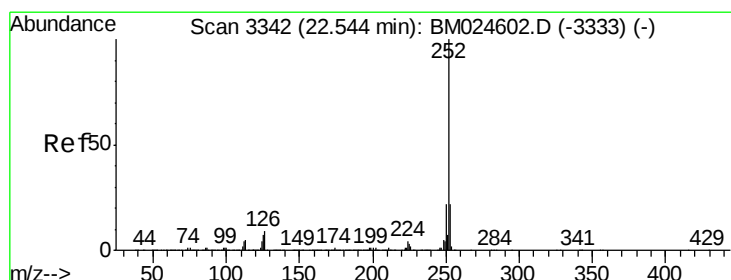
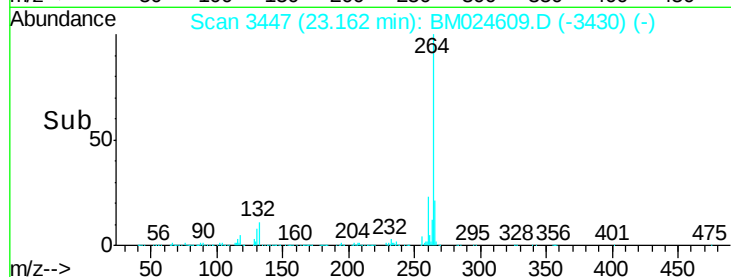
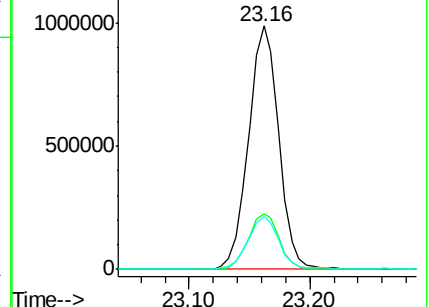
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.011 ng

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024609.D

Acq: 23 Jan 2020 15:57

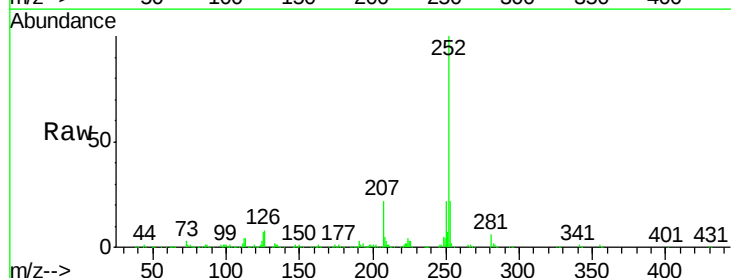
Tgt Ion:252 Resp: 785360

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

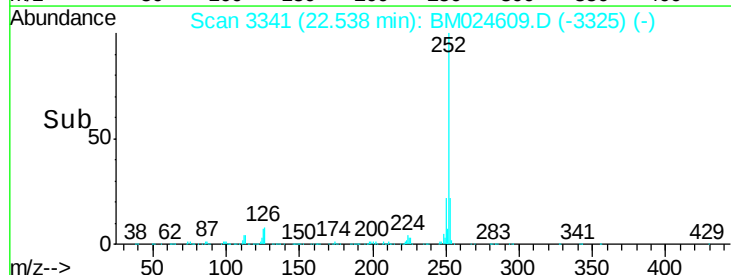
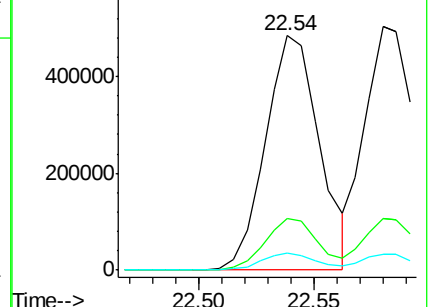
125 7.2 5.7 8.5

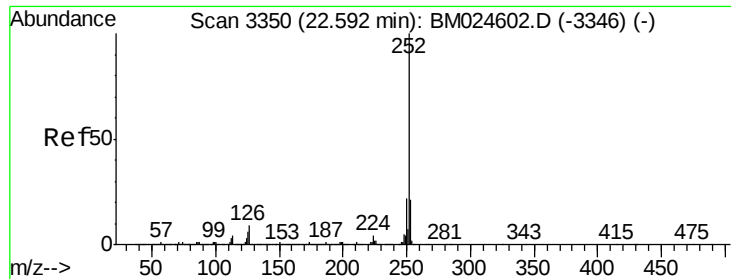


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





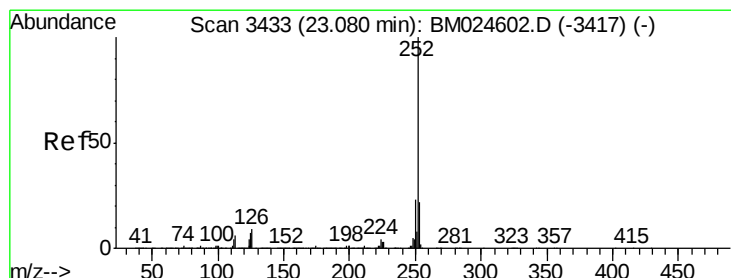
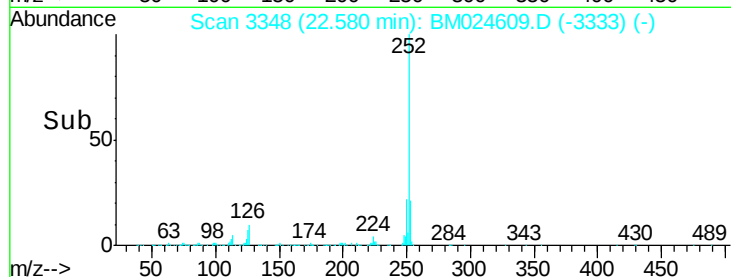
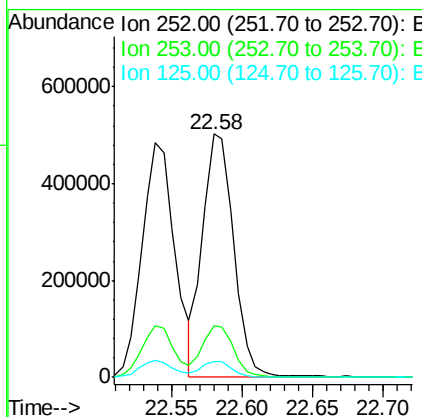
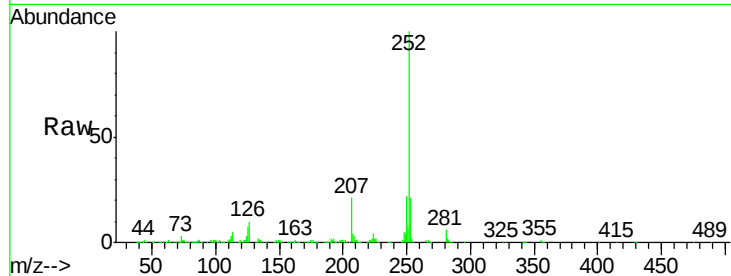
#89
Benzo(k)fluoranthene
Concen: 6.978 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	6.6	5.2	7.8

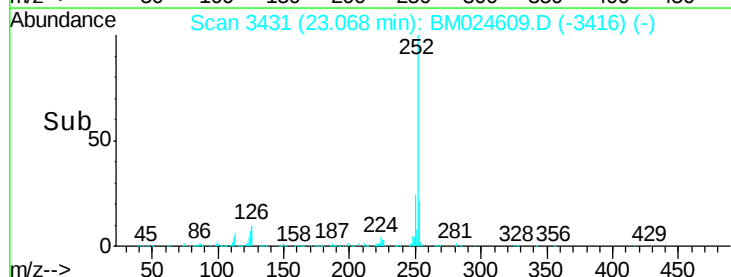
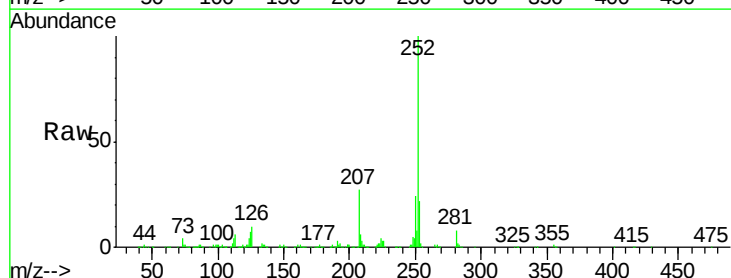
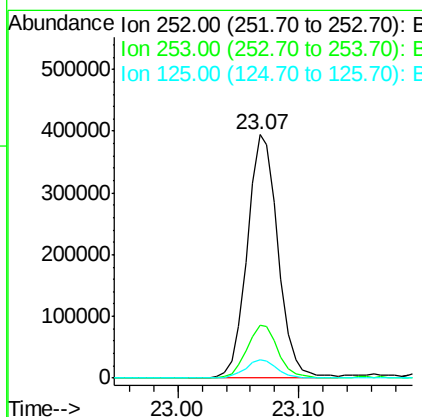
Manual Integrations
APPROVED

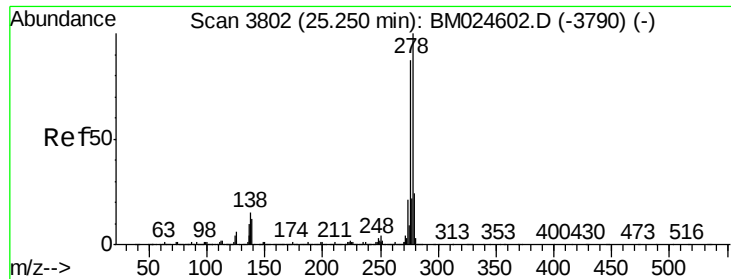
mohammad
1/24/2020 1:55:09 PM



#90
Benzo(a)pyrene
Concen: 6.856 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	7.3	5.8	8.8





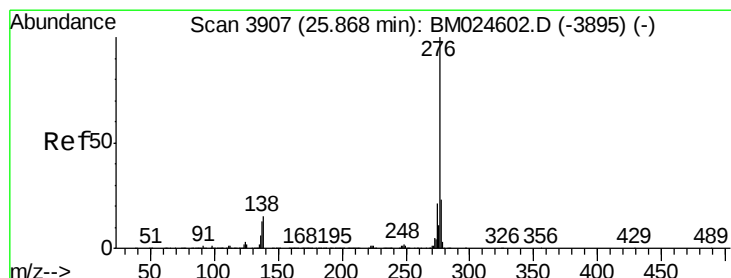
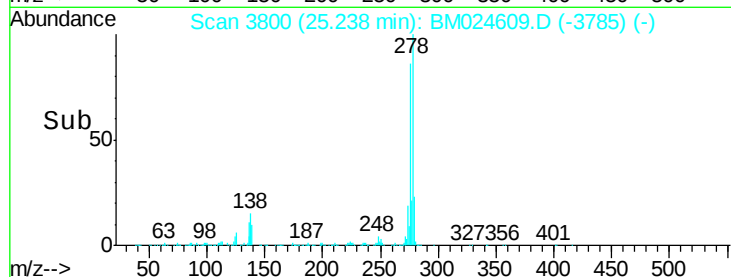
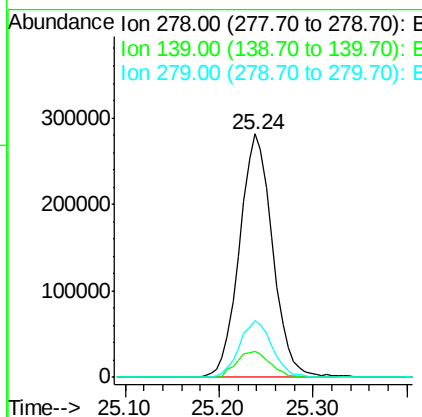
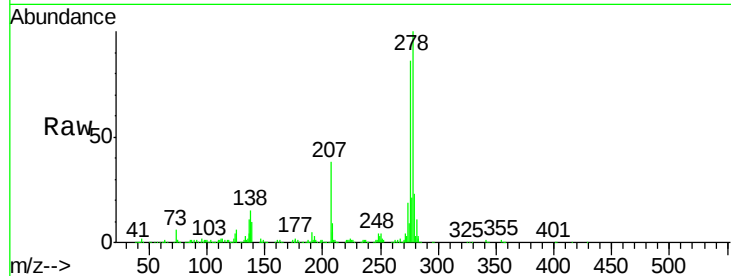
#91
Dibenzo(a,h)anthracene
Concen: 7.096 ng
RT: 25.24 min Scan# 3800
Delta R.T. -0.01 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	9.3	13.9
279	23.0	18.9	28.3

Manual Integrations
APPROVED

mohammad
1/24/2020 1:55:09 PM



#92
Benzo(g,h,i)perylene
Concen: 7.105 ng
RT: 25.85 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM024609.D
Acq: 23 Jan 2020 15:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	14.4	11.9	17.9

