

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012320\
 Data File : BM024608.D
 Acq On : 23 Jan 2020 15:21
 Operator : CG/JU
 Sample : K5111-01
 Misc : 5 PPM LOD
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jan 23 16:39:14 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	216804	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	905889	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	642908	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1478671	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1555608	20.00	ng	0.00
87) Perylene-d12	23.16	264	1749328	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1443598	126.63	ng	0.00
7) Phenol-d6	6.64	99	1905766	121.35	ng	0.00
23) Nitrobenzene-d5	8.58	82	1432780	77.57	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1283245	122.71	ng	0.00
45) 2-Fluorobiphenyl	12.71	172	3669658	77.60	ng	0.00
79) Terphenyl-d14	19.50	244	7334935	88.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	24401	5.411	ng	95
3) Pyridine	3.46	79	66992	5.124	ng	97
4) n-Nitrosodimethylamine	3.38	42	25281	4.357	ng	# 95
6) Aniline	6.79	93	91421	4.782	ng	95
8) 2-Chlorophenol	7.02	128	59890	4.615	ng	98
9) Benzaldehyde	6.60	77	45335	4.886	ng	97
10) Phenol	6.66	94	72793	4.650	ng	94
11) bis(2-Chloroethyl)ether	6.89	93	58499	4.668	ng	96
12) 1,3-Dichlorobenzene	7.33	146	76966	4.828	ng	98
13) 1,4-Dichlorobenzene	7.48	146	78395	4.847	ng	98
14) 1,2-Dichlorobenzene	7.79	146	74834	4.793	ng	95
15) Benzyl Alcohol	7.69	79	58337	4.505	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.98	45	57270	4.992	ng	96
17) 2-Methylphenol	7.89	107	50197	4.550	ng	93
18) Hexachloroethane	8.50	117	29408	4.709	ng	97
19) n-Nitroso-di-n-propylamine	8.25	70	54917	4.657	ng	97
20) 3+4-Methylphenols	8.22	107	67223	4.402	ng	99
22) Acetophenone	8.26	105	109635	4.694	ng	# 96
24) Nitrobenzene	8.62	77	87265	4.930	ng	96
25) Isophorone	9.15	82	142911	4.553	ng	99
26) 2-Nitrophenol	9.33	139	31913	3.893	ng	94
27) 2,4-Dimethylphenol	9.40	122	46899	4.211	ng	96
28) bis(2-Chloroethoxy)methane	9.64	93	90063	4.697	ng	98
29) 2,4-Dichlorophenol	9.86	162	61247	4.070	ng	98
30) 1,2,4-Trichlorobenzene	10.08	180	81973	4.517	ng	100
31) Naphthalene	10.25	128	211953	4.632	ng	98
32) Benzoic acid	9.48	122	34337m	3.370	ng	
33) 4-Chloroaniline	10.37	127	86854	4.331	ng	98
34) Hexachlorobutadiene	10.56	225	57466	4.580	ng	97
35) Caprolactam	11.13	113	18207	3.771	ng	93
36) 4-Chloro-3-methylphenol	11.50	107	64418	4.026	ng	97
37) 2-Methylnaphthalene	11.87	142	159780	4.525	ng	99
38) 1-Methylnaphthalene	12.10	142	150536	4.482	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	102100	4.450	ng	99

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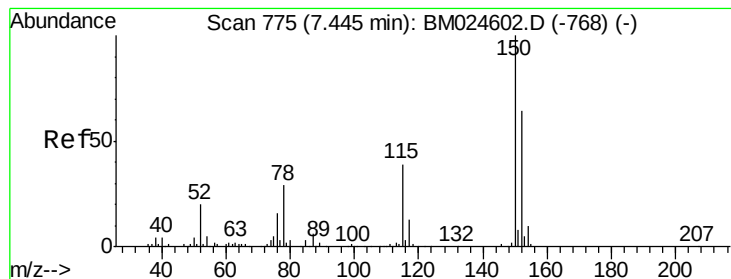
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	47375	3.684	ng	99
43) 2,4,6-Trichlorophenol	12.50	196	57480	3.937	ng	98
44) 2,4,5-Trichlorophenol	12.57	196	60844	4.080	ng	95
46) 1,1'-Biphenyl	12.92	154	229205	4.711	ng	98
47) 2-Chloronaphthalene	12.95	162	180635	4.599	ng	98
48) 2-Nitroaniline	13.16	65	47279	3.947	ng	98
49) Acenaphthylene	13.80	152	260841	4.436	ng	100
50) Dimethylphthalate	13.56	163	238714	4.592	ng	99
51) 2,6-Dinitrotoluene	13.66	165	46336	4.192	ng	97
52) Acenaphthene	14.16	154	166007	4.550	ng	98
53) 3-Nitroaniline	14.00	138	44560	3.887	ng	97
54) 2,4-Dinitrophenol	14.21	184	17144	2.594	ng	95
55) Dibenzofuran	14.49	168	271062	4.555	ng	99
56) 4-Nitrophenol	14.32	139	31662	3.533	ng	95
57) 2,4-Dinitrotoluene	14.46	165	61377	3.875	ng	90
58) Fluorene	15.15	166	217136	4.342	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.73	232	60821	4.022	ng	98
60) Diethylphthalate	14.95	149	232210	4.400	ng	99
61) 4-Chlorophenyl-phenylether	15.16	204	125246	4.344	ng	99
62) 4-Nitroaniline	15.16	138	46810	3.699	ng	98
63) Azobenzene	15.45	77	198124	4.401	ng	97
65) 4,6-Dinitro-2-methylphenol	15.23	198	27441	3.156	ng	96
66) n-Nitrosodiphenylamine	15.37	169	186634	4.394	ng	98
67) 4-Bromophenyl-phenylether	16.05	248	79002	4.296	ng	97
68) Hexachlorobenzene	16.16	284	98379	4.662	ng	98
69) Atrazine	16.33	200	66666	4.089	ng	97
70) Pentachlorophenol	16.50	266	46502	3.618	ng	97
71) Phenanthrene	16.88	178	360571	4.503	ng	99
72) Anthracene	16.97	178	340022	4.340	ng	97
73) Carbazole	17.25	167	305985	4.290	ng	98
74) Di-n-butylphthalate	17.85	149	365388	4.007	ng	99
75) Fluoranthene	18.91	202	433405	4.337	ng	98
77) Benzidine	19.11	184	121327	3.349	ng	98
78) Pyrene	19.27	202	450077	4.389	ng	100
80) Butylbenzylphthalate	20.21	149	159935	3.717	ng	93
81) Benzo(a)anthracene	21.03	228	491757	4.555	ng	100
82) 3,3'-Dichlorobenzidine	20.97	252	153369	3.949	ng	96
83) Chrysene	21.09	228	470759	4.569	ng	99
84) Bis(2-ethylhexyl)phthalate	21.01	149	241713	3.807	ng	98
85) Di-n-octyl phthalate	21.86	149	387575	3.695	ng	100
86) Indeno(1,2,3-cd)pyrene	25.23	276	498762	4.442	ng	98
88) Benzo(b)fluoranthene	22.54	252	491528	4.332	ng	98
89) Benzo(k)fluoranthene	22.58	252	464392	4.193	ng	99
90) Benzo(a)pyrene	23.07	252	424778	4.118	ng	100
91) Dibenzo(a,h)anthracene	25.24	278	415019	4.239	ng	98
92) Benzo(g,h,i)perylene	25.84	276	381211	4.288	ng	99

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



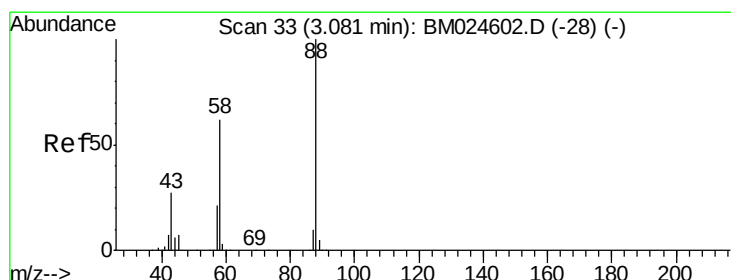
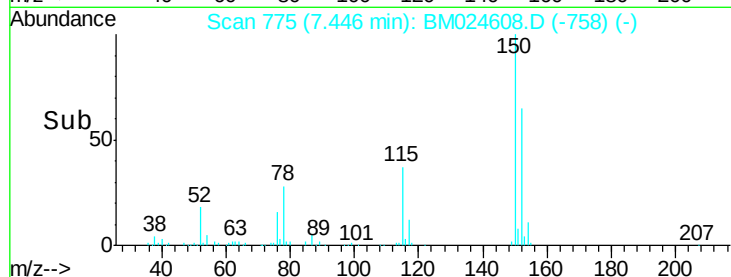
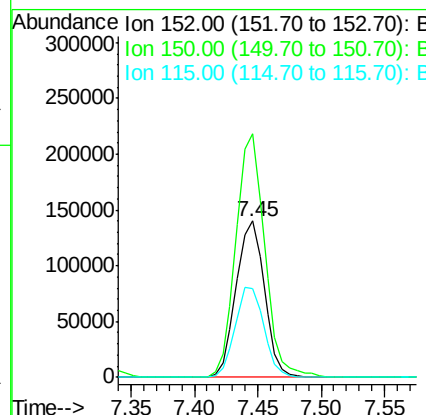
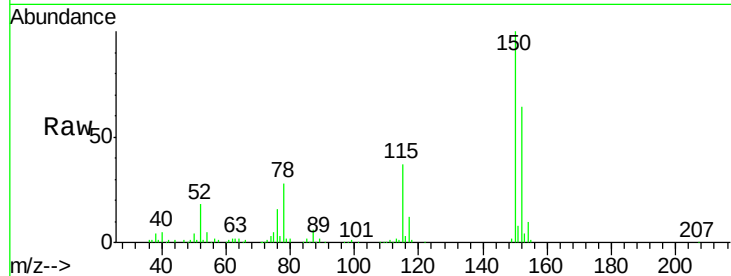
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.45 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.2	186.4
115	57.1	48.6	72.8

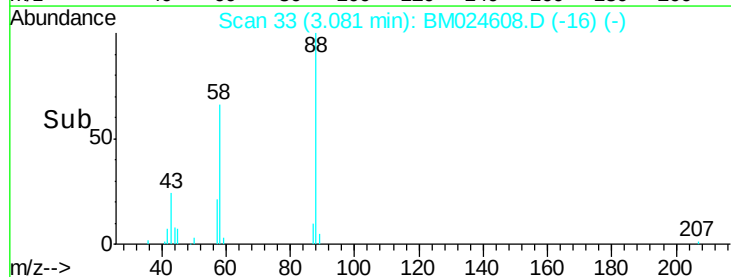
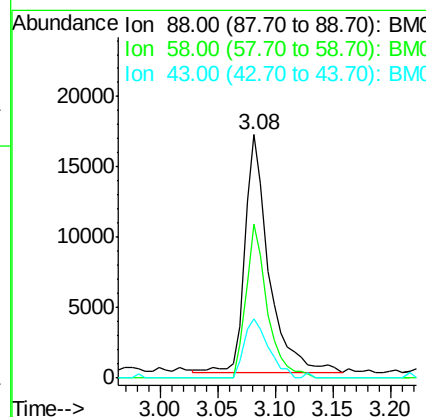
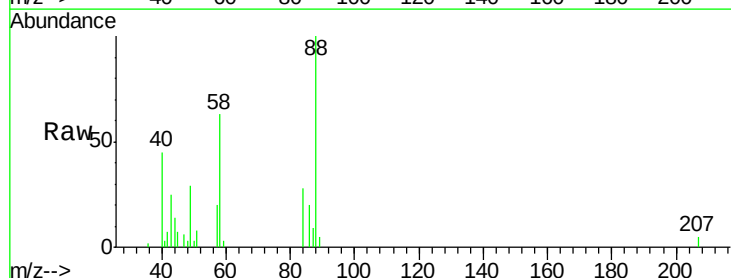
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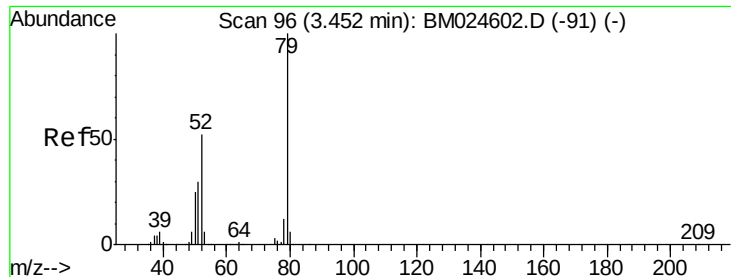
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#2
 1,4-Dioxane
 Concen: 5.411 ng
 RT: 3.08 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	57.4	50.0	75.0
43	25.5	21.6	32.4





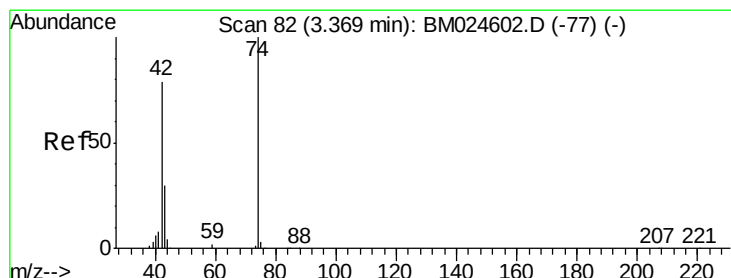
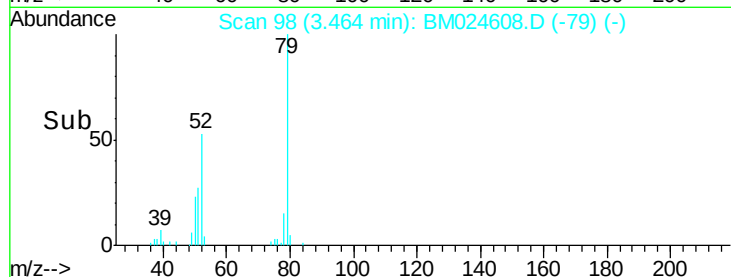
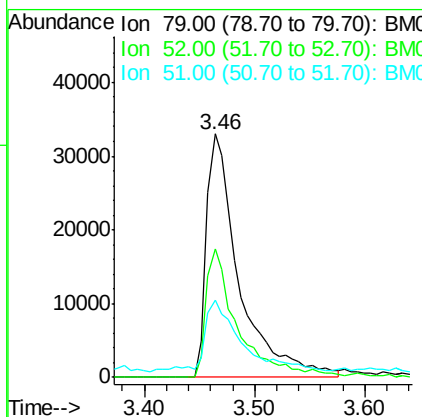
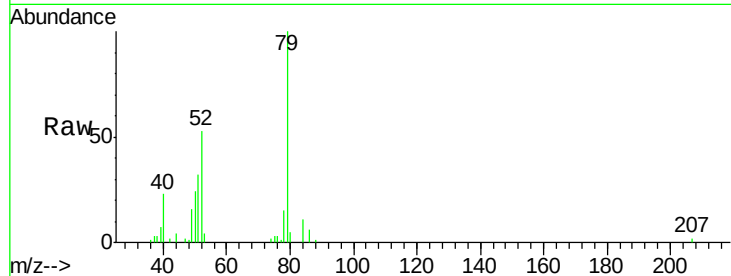
#3
 Pvridine
 Concen: 5.124 ng
 RT: 3.46 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion:	79	Resp:	66992
Ion Ratio	Lower	Upper	
79	100		
52	53.0	41.4	62.2
51	32.0	23.8	35.8

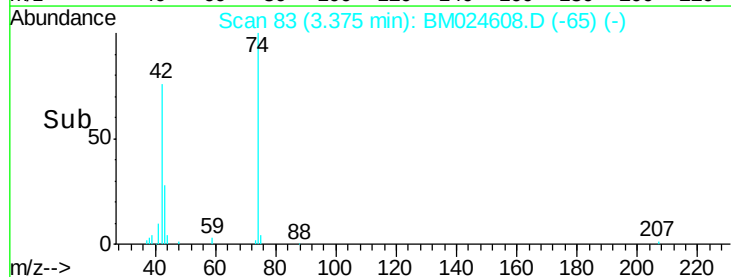
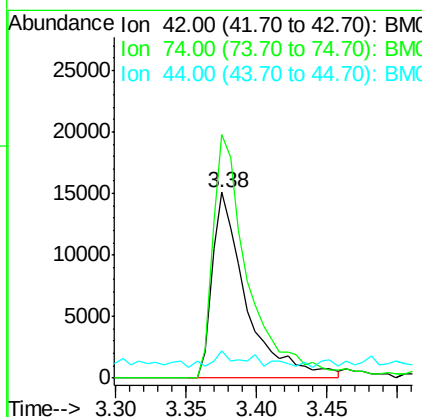
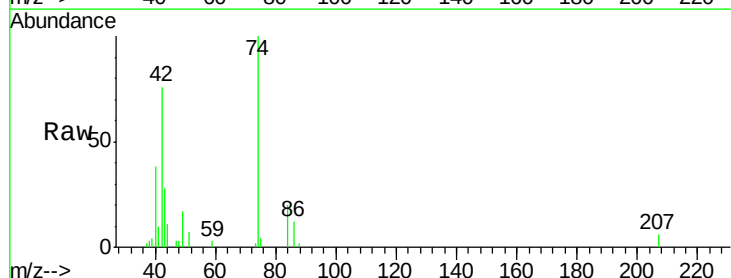
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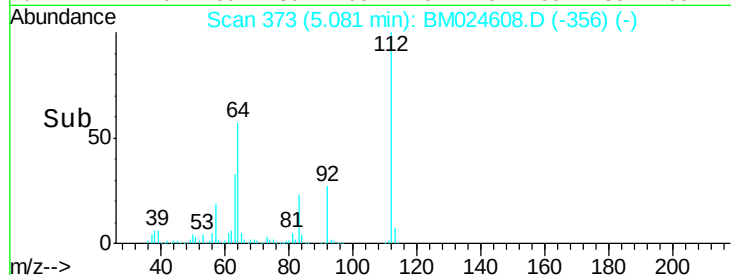
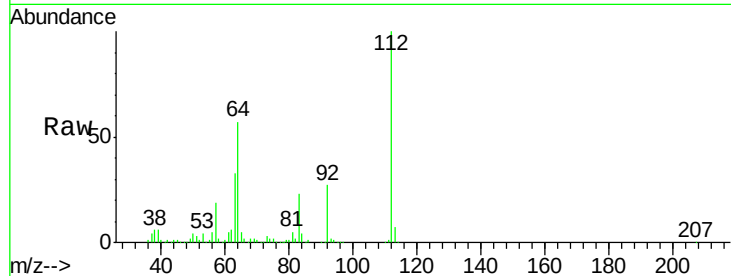
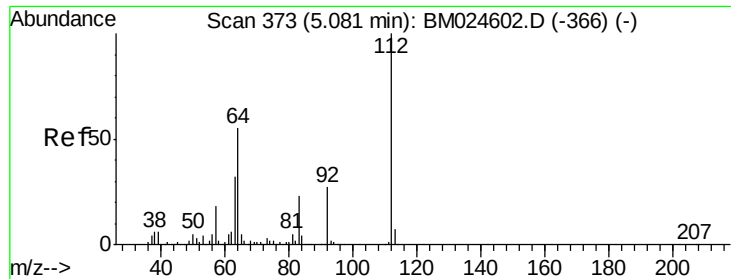
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#4
 n-Nitrosodimethylamine
 Concen: 4.357 ng
 RT: 3.38 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion:	42	Resp:	25281
Ion Ratio	Lower	Upper	
42	100		
74	131.1	101.4	152.2
44	14.4	4.6	6.8#





#5

2-Fluorophenol

Concen: 126.629 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tot Ion:	112	Resp:	1443598
Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.2	66.4
63	32.7	25.9	38.9

Instrument :

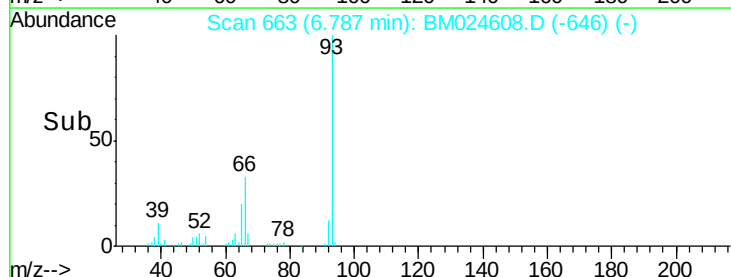
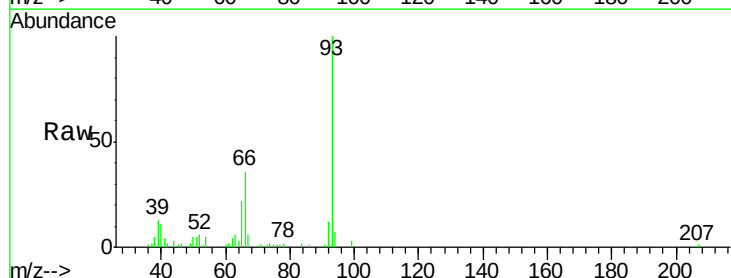
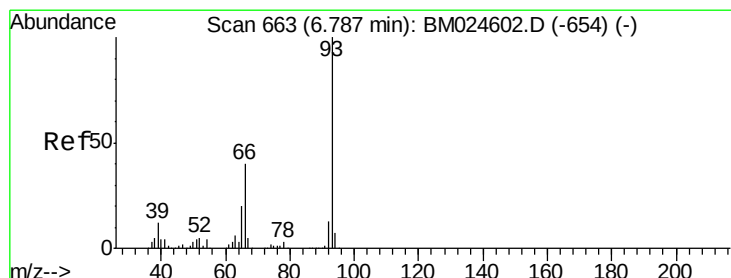
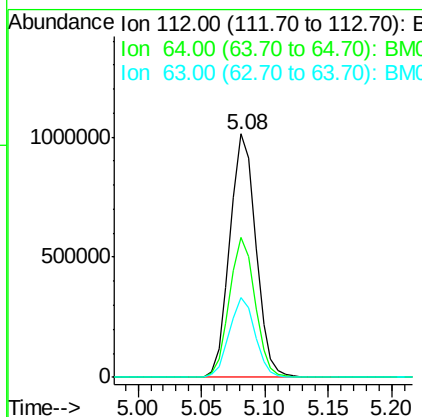
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

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#6

Aniline

Concen: 4.782 ng

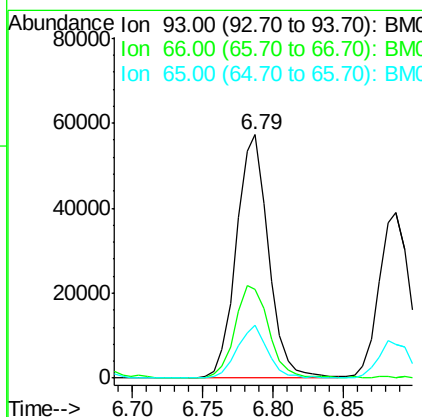
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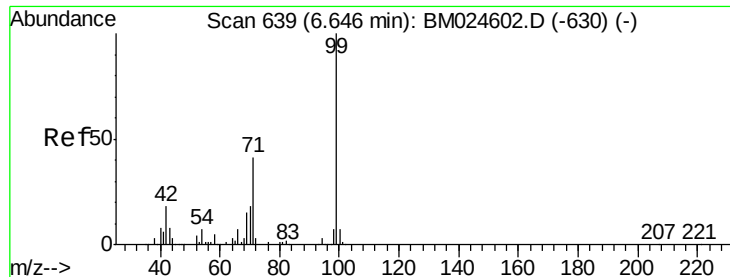
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	93	Resp:	91421
Ion	Ratio	Lower	Upper
93	100		
66	36.2	31.8	47.8
65	21.9	15.8	23.6





#7

Phenol-d6

Concen: 121.351 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 99 Resp: 1905766

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

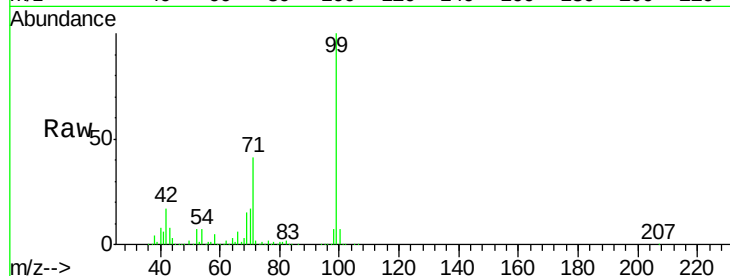
71 41.4 33.0 49.6

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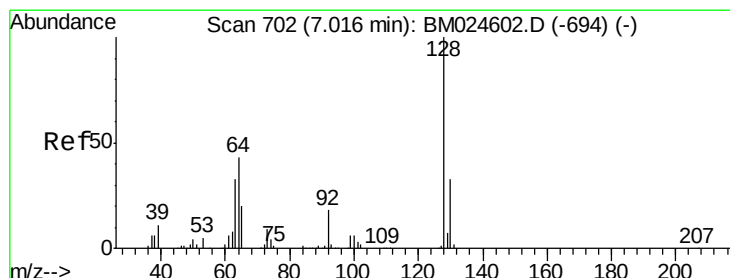
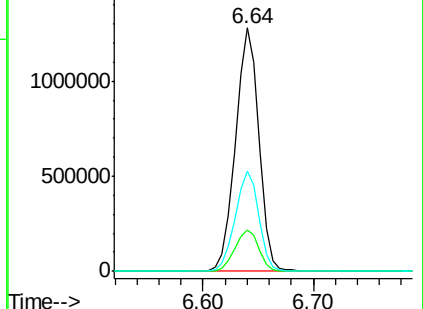
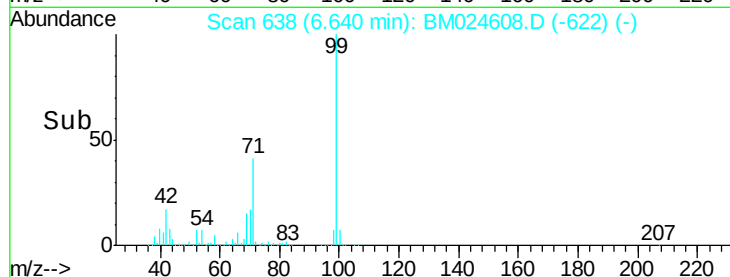
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Abundance Ion 99.00 (98.70 to 99.70): BM024608.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024608.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024608.D (-622) (-)



#8

2-Chlorophenol

Concen: 4.615 ng

RT: 7.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

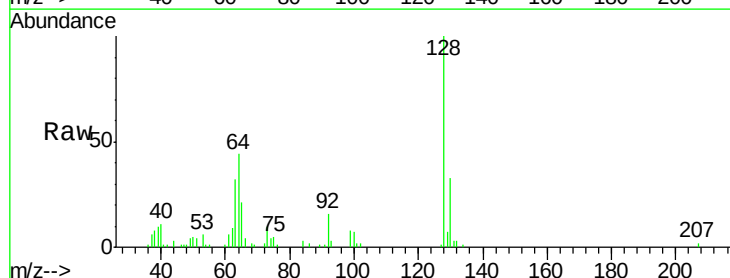
Tgt Ion: 128 Resp: 59890

Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

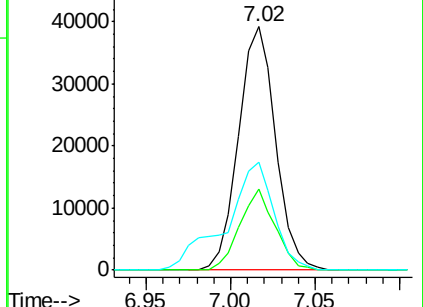
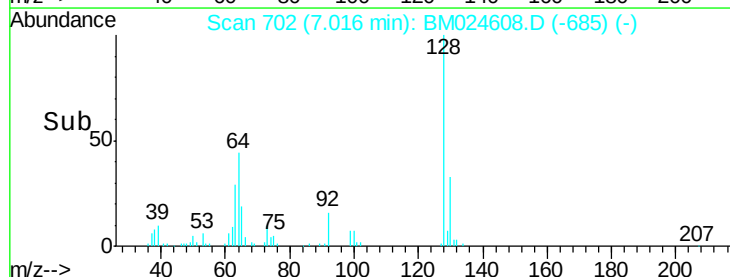
64 44.2 26.1 66.1

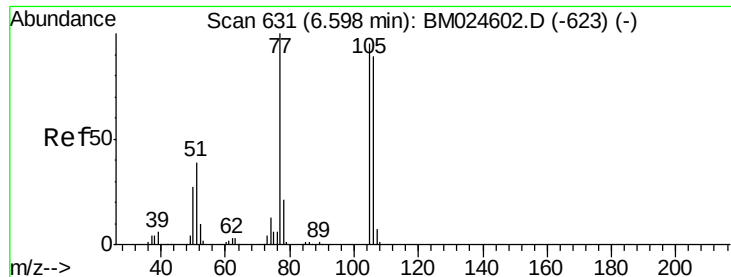


Abundance Ion 128.00 (127.70 to 128.70): BM024608.D (-685) (-)

Ion 130.00 (129.70 to 130.70): BM024608.D (-685) (-)

Ion 64.00 (63.70 to 64.70): BM024608.D (-685) (-)





#9

Benzaldehyde

Concen: 4.886 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM024608.D

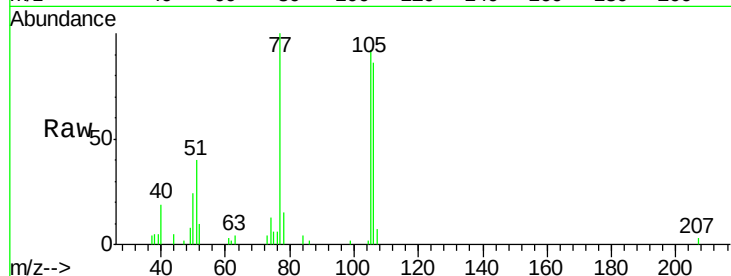
Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleId :

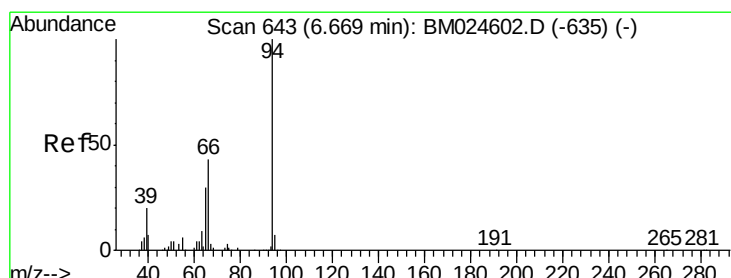
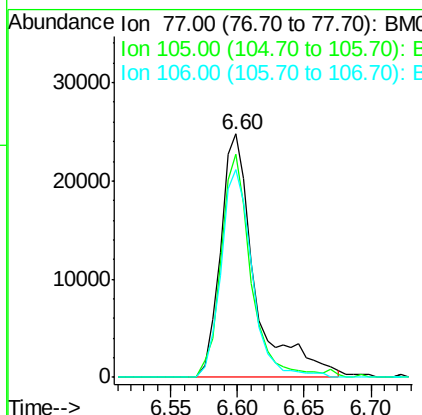
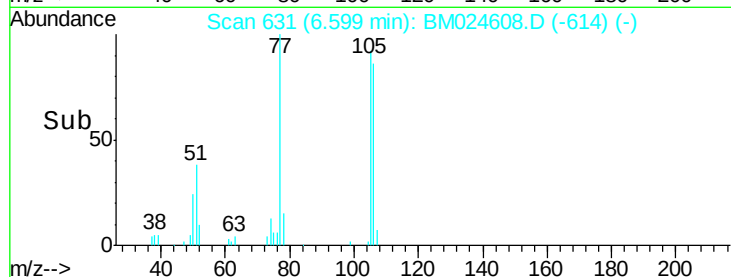
LOD-MDL-SOIL-01-QT4-2019



Tot Ion:	77	Resp:	45335
Ion	Ratio	Lower	Upper
77	100		
105	91.8	75.2	115.2
106	85.5	68.6	108.6

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#10

Phenol

Concen: 4.650 ng

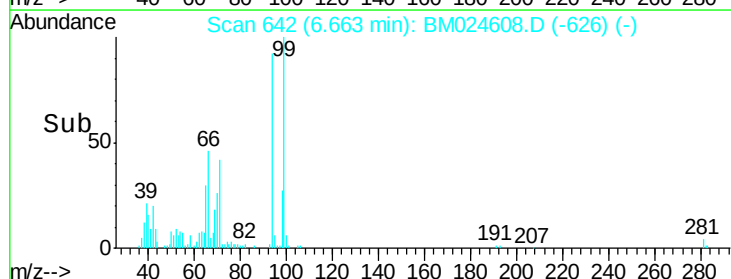
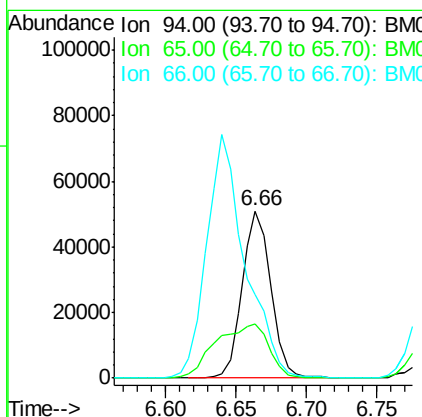
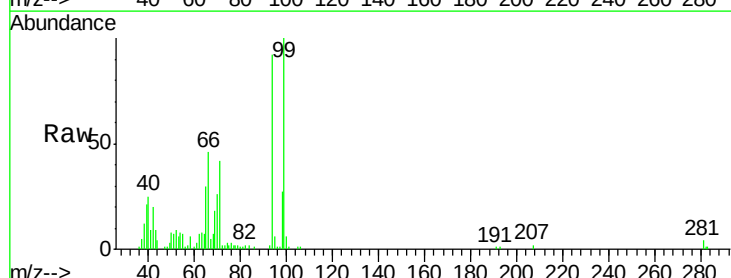
RT: 6.66 min Scan# 642

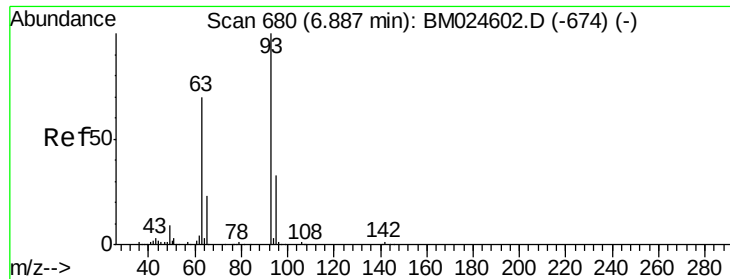
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	94	Resp:	72793
Ion	Ratio	Lower	Upper
94	100		
65	32.5	10.3	50.3
66	50.1	24.8	64.8





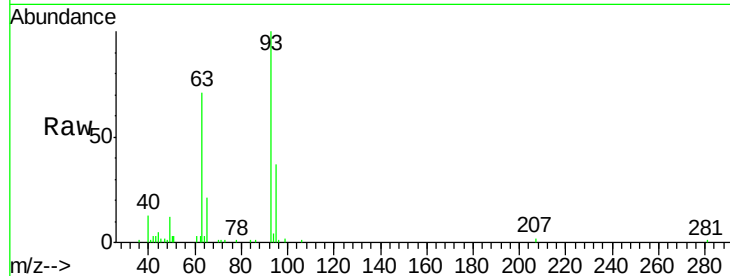
#11
bis(2-Chloroethyl)ether
Concen: 4.668 ng
RT: 6.89 min Scan# 680
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

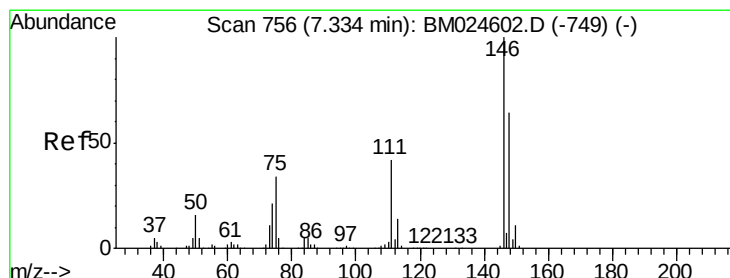
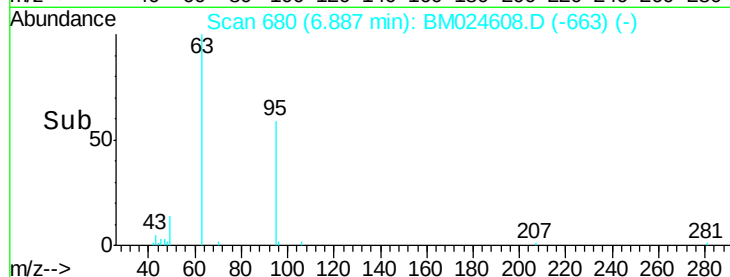
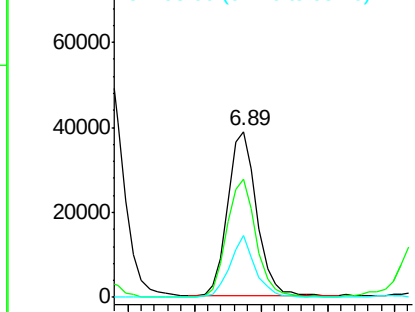
Tot Ion	93	Resp	58499
Ion Ratio	Lower	Upper	
93	100		
63	71.2	49.6	89.6
95	37.1	12.6	52.6

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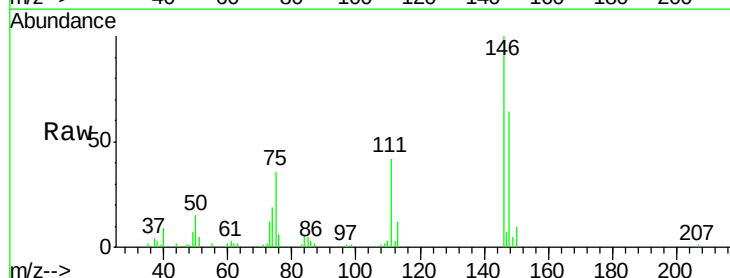


Abundance Ion 93.00 (92.70 to 93.70): BM024608.D (-674) (-)
Ion 63.00 (62.70 to 63.70): BM024608.D (-674) (-)
Ion 95.00 (94.70 to 95.70): BM024608.D (-674) (-)

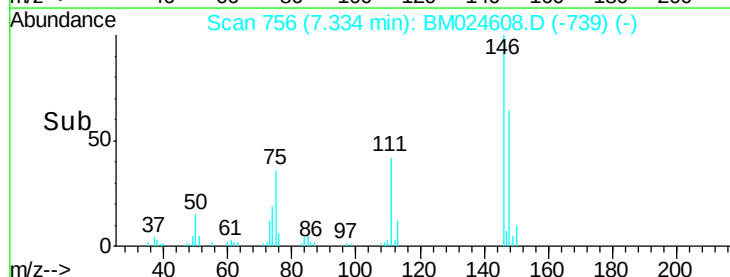
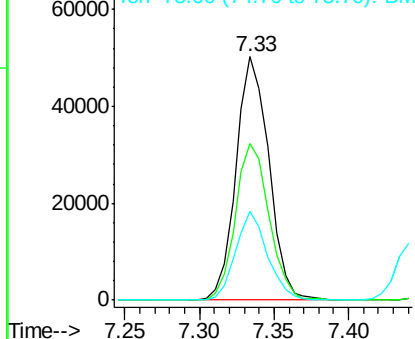


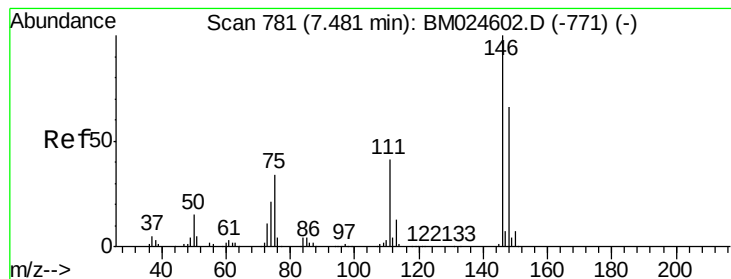
#12
1,3-Dichlorobenzene
Concen: 4.828 ng
RT: 7.33 min Scan# 756
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	146	Resp	76966
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.0	76.6
75	36.2	27.0	40.4



Abundance Ion 146.00 (145.70 to 146.70): BM024608.D (-749) (-)
Ion 148.00 (147.70 to 148.70): BM024608.D (-749) (-)
Ion 75.00 (74.70 to 75.70): BM024608.D (-749) (-)





#13

1,4-Dichlorobenzene

Concen: 4.847 ng

RT: 7.48 min Scan# 781

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

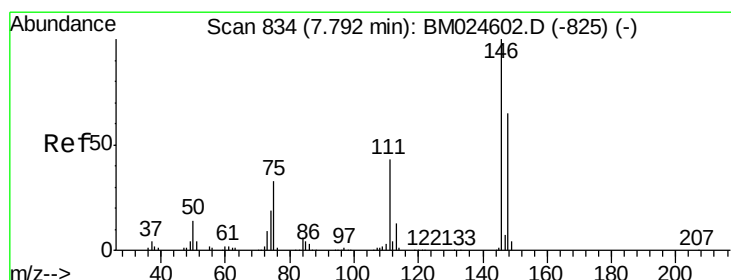
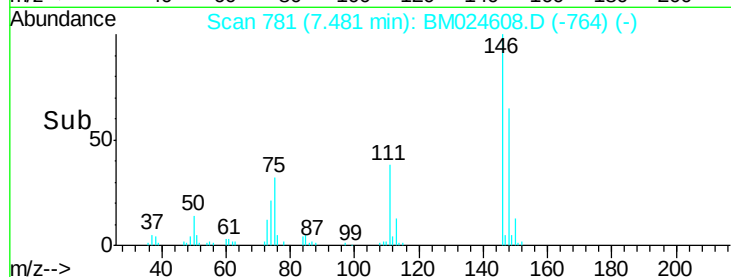
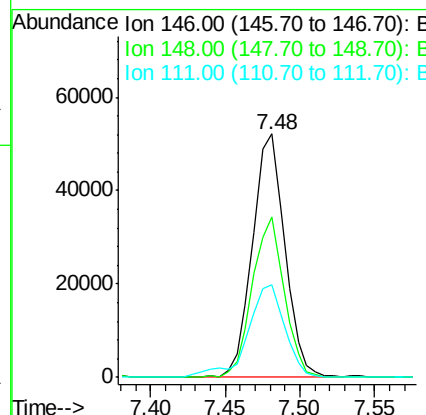
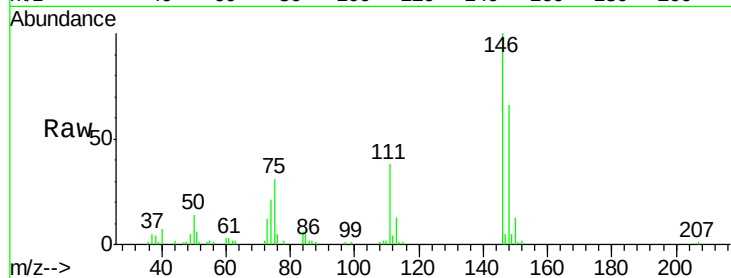
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	146	Resp:	78395
Ion Ratio	Lower	Upper	
146	100		
148	65.8	52.5	78.7
111	37.9	33.0	49.4

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#14

1,2-Dichlorobenzene

Concen: 4.793 ng

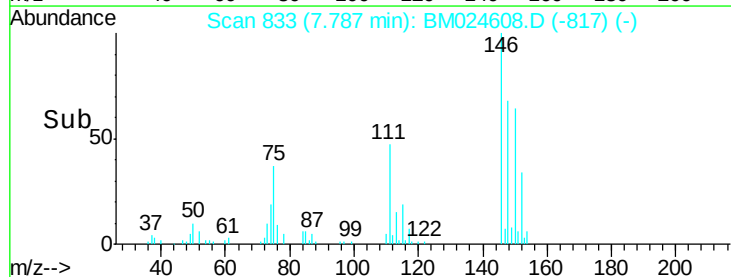
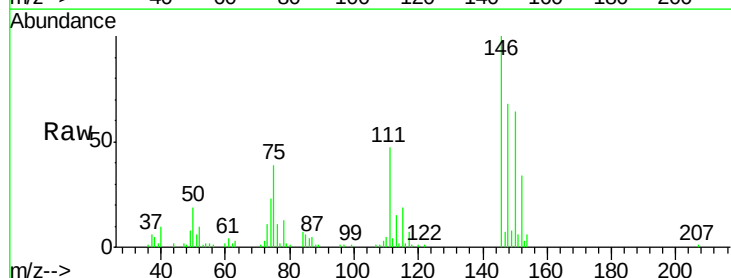
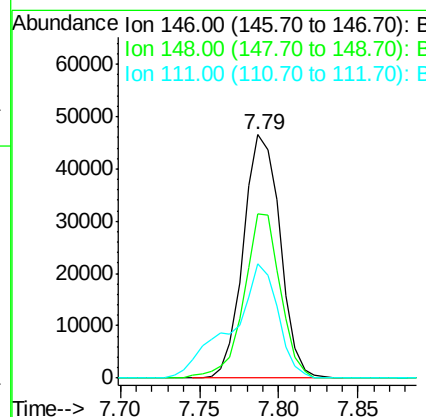
RT: 7.79 min Scan# 833

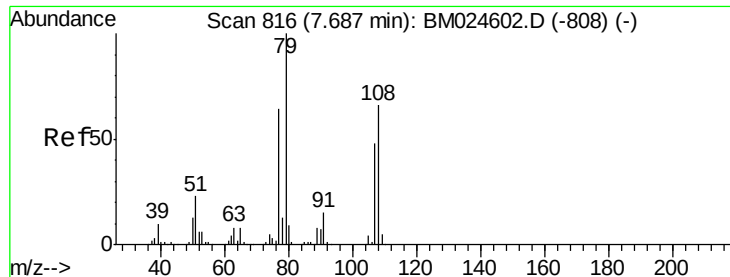
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	146	Resp:	74834
Ion Ratio	Lower	Upper	
146	100		
148	67.6	51.9	77.9
111	47.2	34.5	51.7





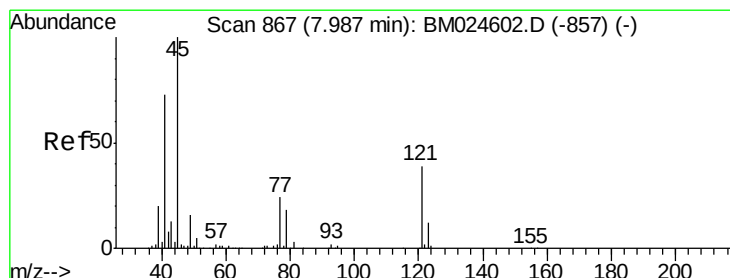
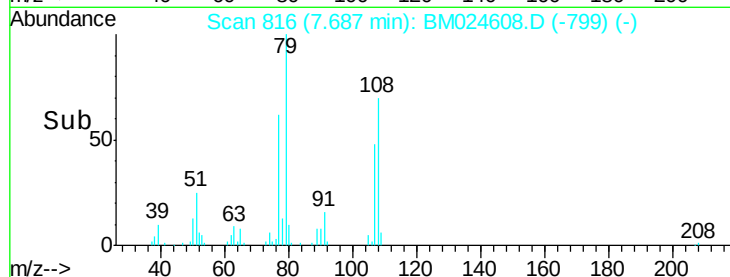
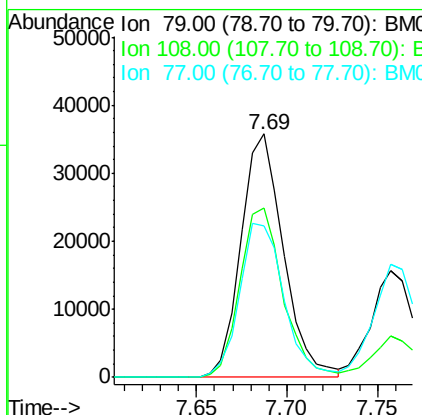
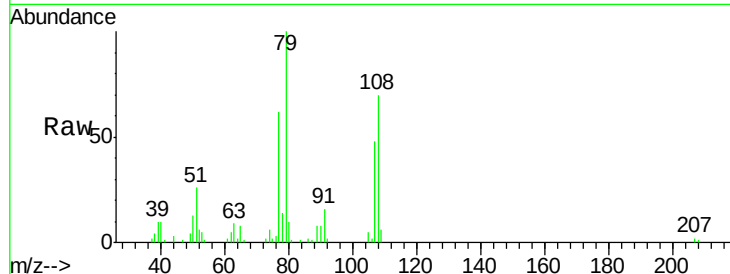
#15
Benzyl Alcohol
Concen: 4.505 ng
RT: 7.69 min Scan# 816
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
79	100		
108	69.5	53.0	79.4
77	62.3	50.8	76.2

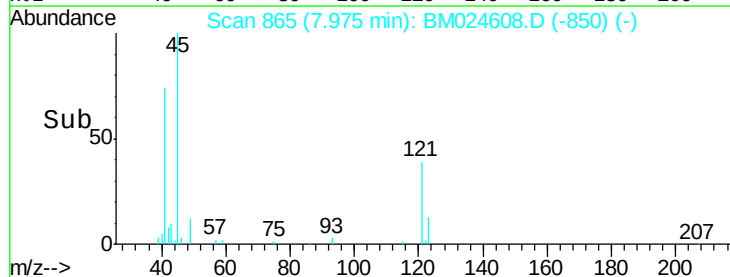
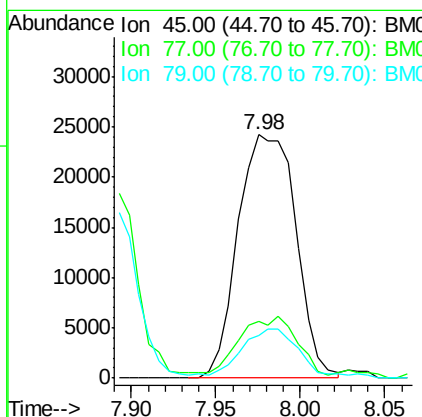
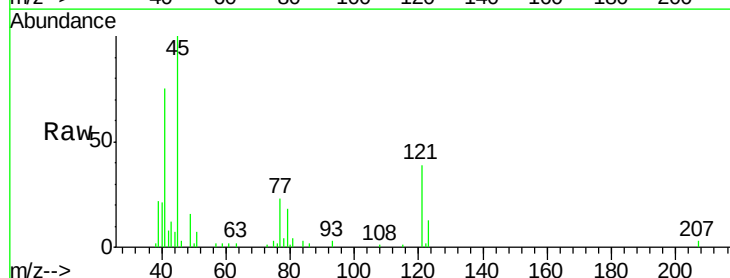
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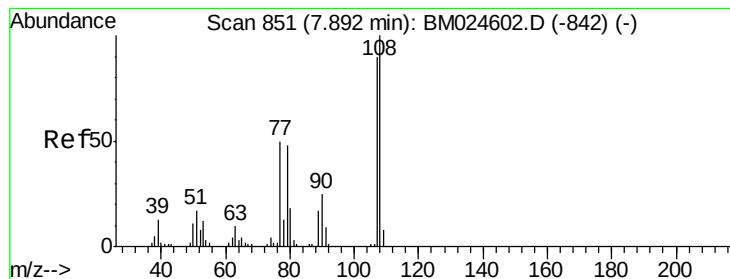
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#16
2,2'-oxybis(1-chloropropane)
Concen: 4.992 ng
RT: 7.98 min Scan# 865
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
45	100		
77	23.1	5.2	45.2
79	17.6	0.0	39.4





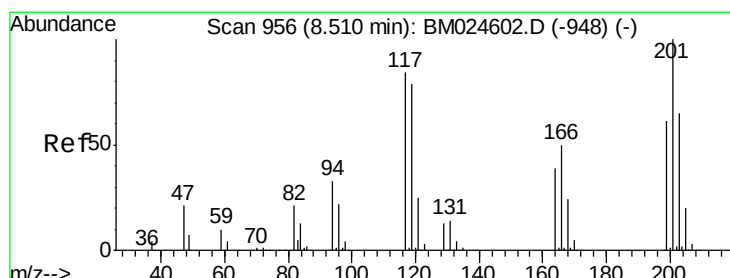
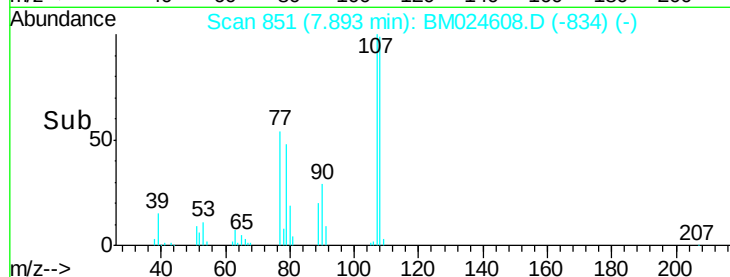
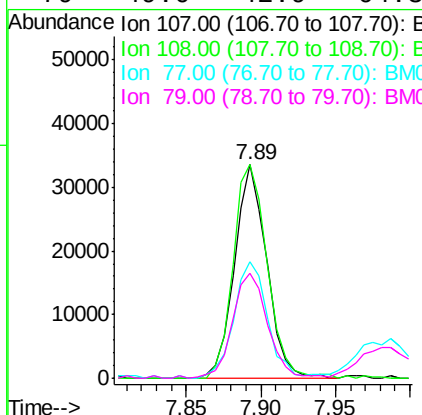
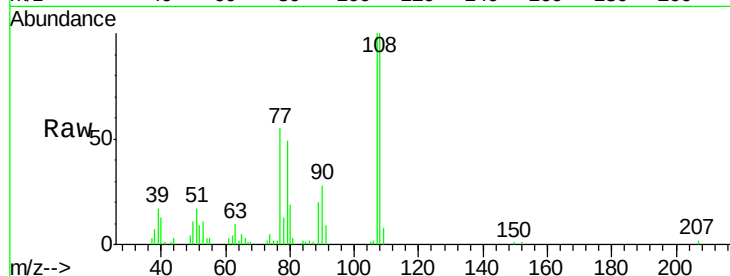
#17
2-Methylphenol
Concen: 4.550 ng
RT: 7.89 min Scan# 851
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	107	Resp	50197
Ion	Ratio	Lower	Upper
107	100		
108	100.0	88.9	133.3
77	54.6	44.5	66.7
79	49.0	42.9	64.3

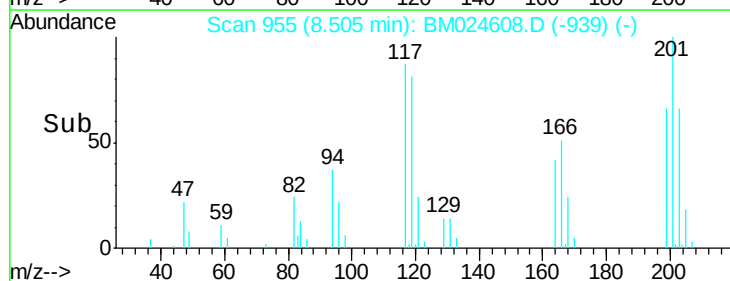
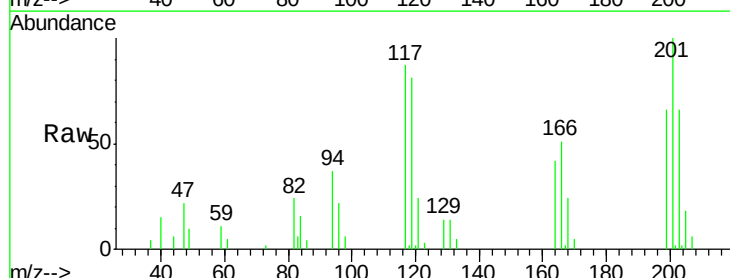
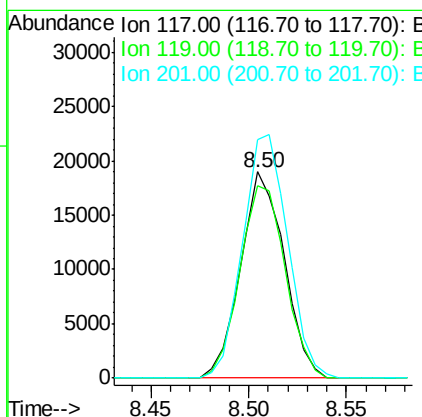
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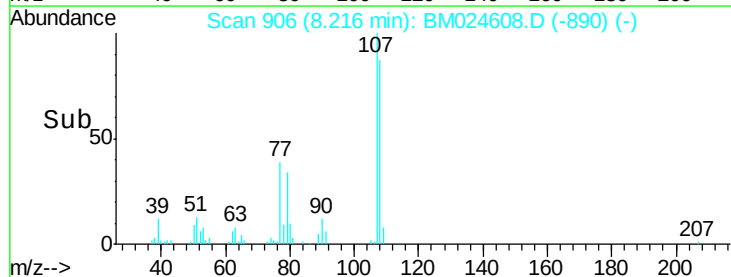
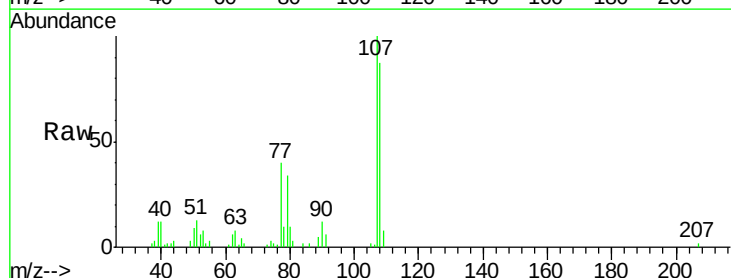
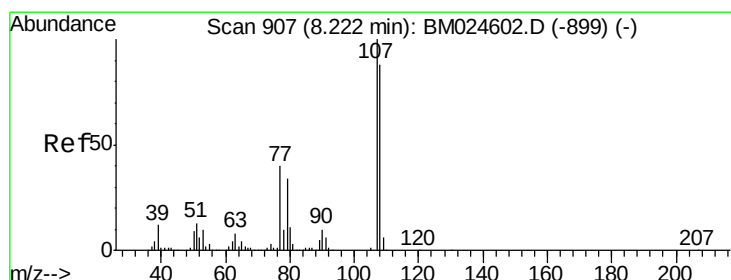
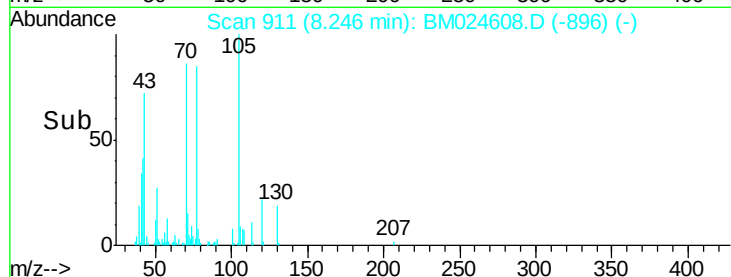
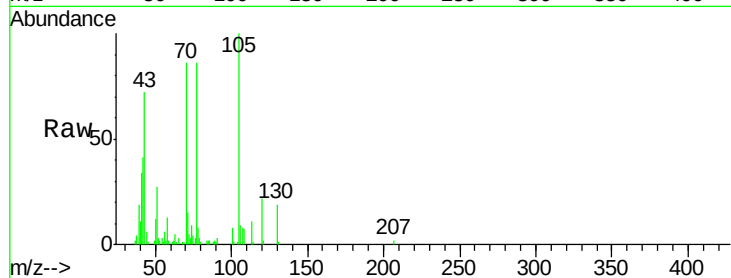
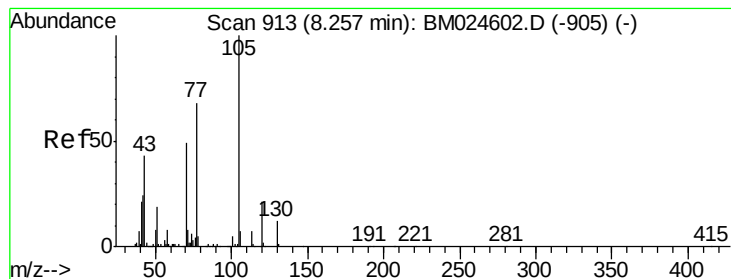
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#18
Hexachloroethane
Concen: 4.709 ng
RT: 8.50 min Scan# 956
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	117	Resp	29408
Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.4	113.2
201	115.4	95.8	143.6





#19

n-Nitroso-di-n-propylamine

Concen: 4.657 ng

RT: 8.25 min Scan# 911

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 70 Resp: 54917

Ion Ratio Lower Upper

70 100

42 48.0 40.0 60.0

101 9.9 8.2 12.2

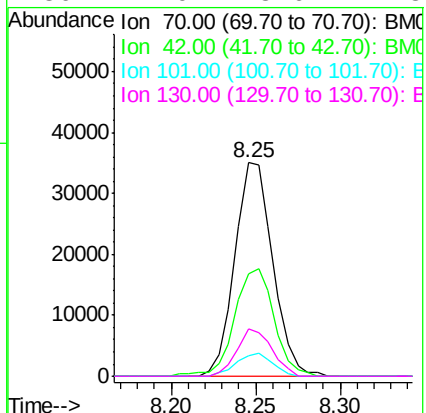
130 22.0 18.6 27.8

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#20

3+4-Methylphenols

Concen: 4.402 ng

RT: 8.22 min Scan# 906

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:107 Resp: 67223

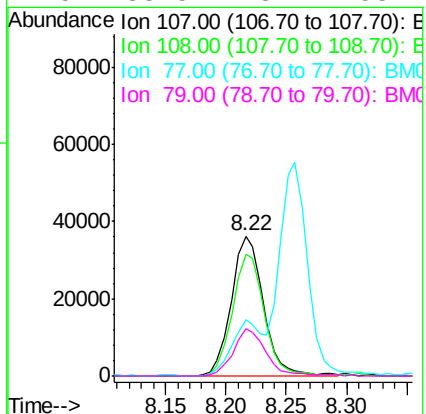
Ion Ratio Lower Upper

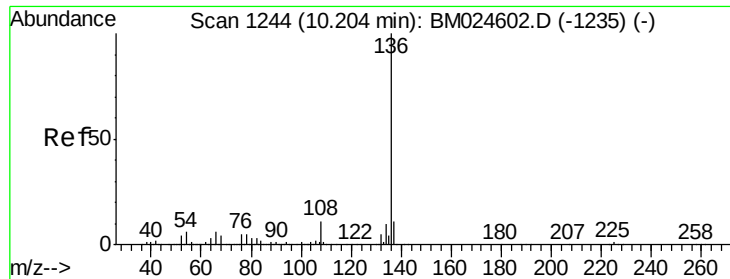
107 100

108 87.1 68.0 108.0

77 40.3 19.9 59.9

79 33.5 13.7 53.7





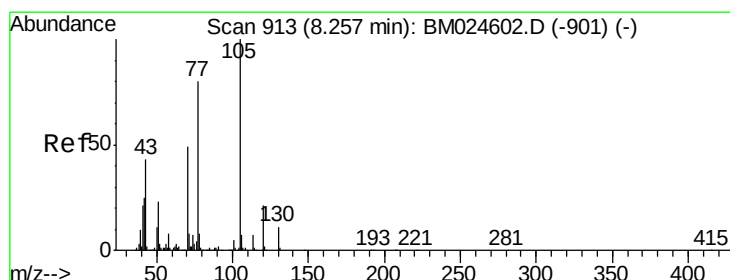
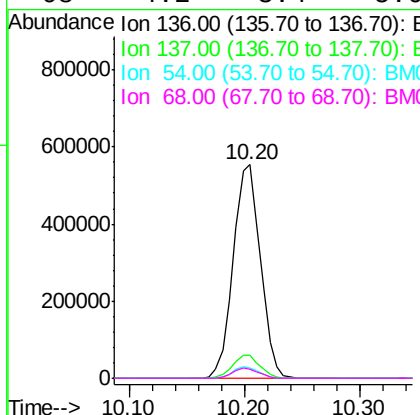
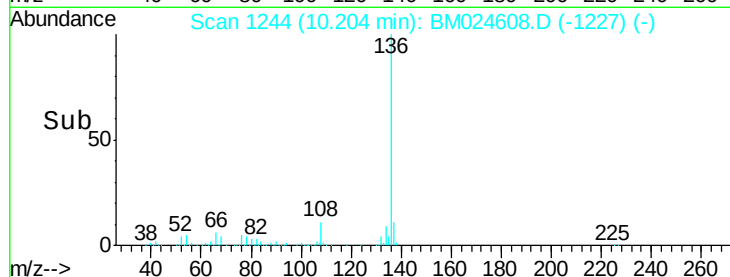
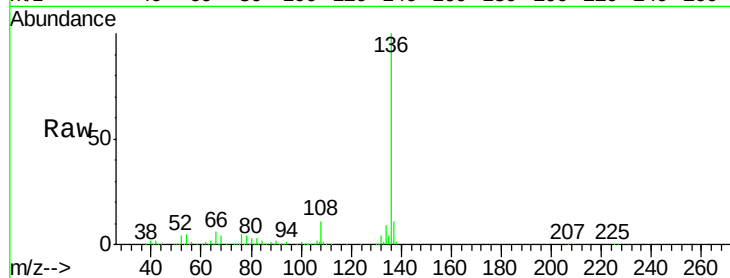
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	905889		
137	10.6		8.6	13.0
54	4.9		4.5	6.7
68	4.2		3.4	5.0

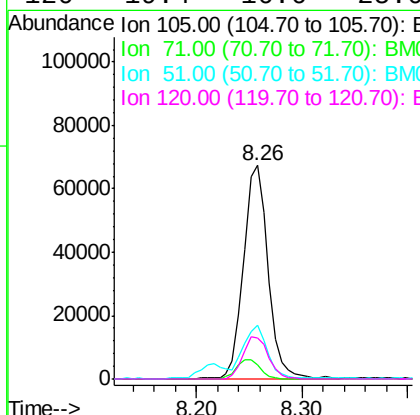
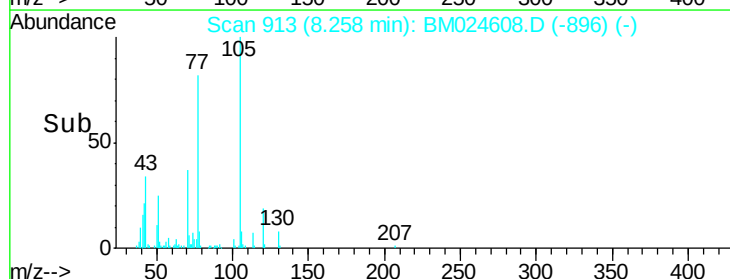
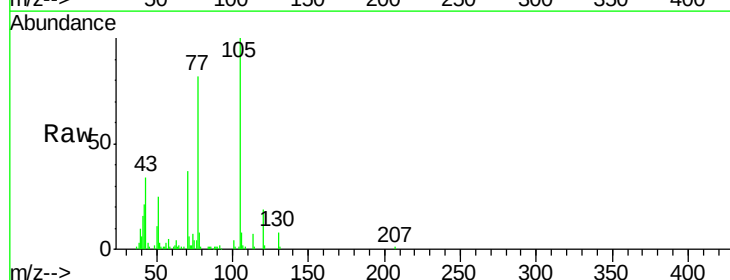
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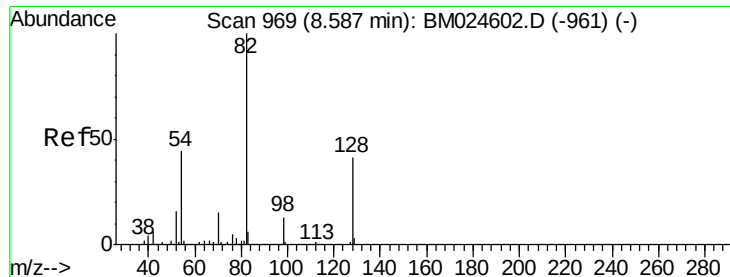
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#22
Acetophenone
Concen: 4.694 ng
RT: 8.26 min Scan# 913
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	109635		
71	6.4		6.7	10.1#
51	25.4		18.5	27.7
120	19.4		16.6	25.0





#23

Nitrobenzene-d5

Concen: 77.565 ng

RT: 8.58 min Scan# 968

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleID :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 82 Resp: 1432780

Ion Ratio Lower Upper

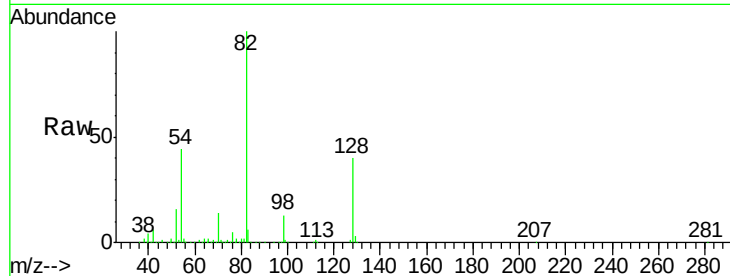
82 100

128 40.0 32.6 48.8

54 43.5 34.8 52.2

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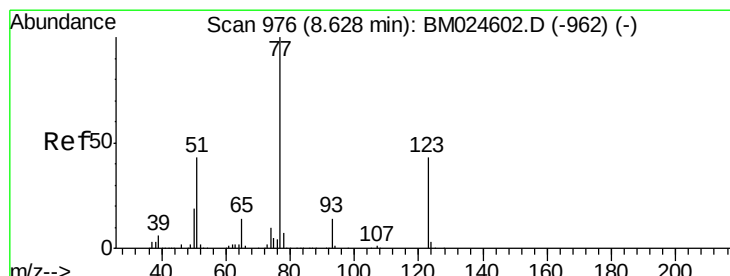
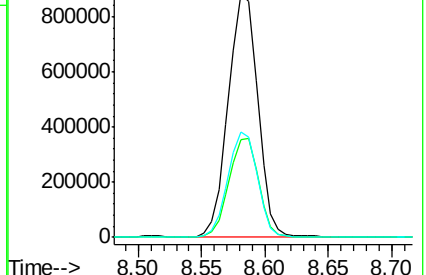
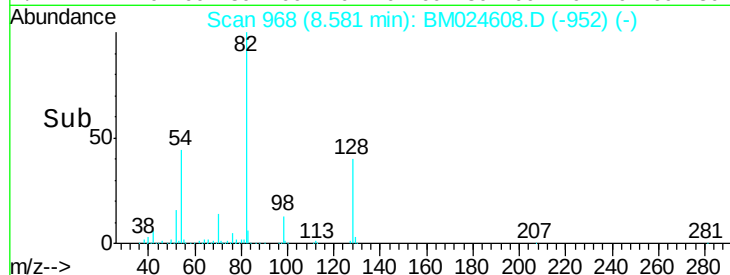
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Abundance Ion 82.00 (81.70 to 82.70): BM024608.D (-952) (-)

Ion 128.00 (127.70 to 128.70): BM024608.D (-952) (-)

Ion 54.00 (53.70 to 54.70): BM024608.D (-952) (-)



#24

Nitrobenzene

Concen: 4.930 ng

RT: 8.62 min Scan# 975

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

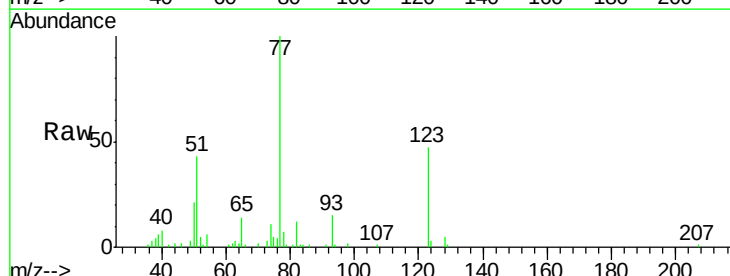
Tgt Ion: 77 Resp: 87265

Ion Ratio Lower Upper

77 100

123 46.5 34.6 52.0

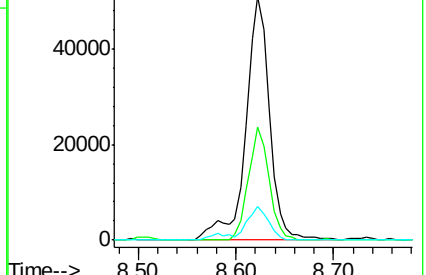
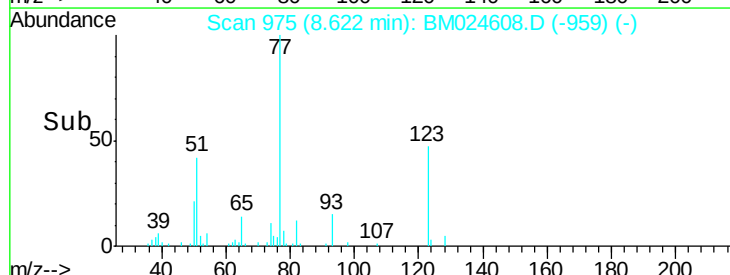
65 13.8 11.0 16.4

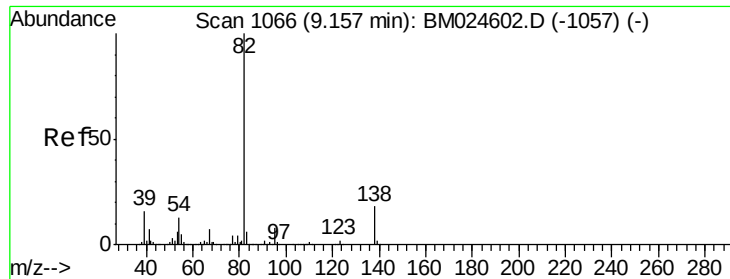


Abundance Ion 77.00 (76.70 to 77.70): BM024608.D (-959) (-)

Ion 123.00 (122.70 to 123.70): BM024608.D (-959) (-)

Ion 65.00 (64.70 to 65.70): BM024608.D (-959) (-)





#25

Isophorone

Concen: 4.553 ng

RT: 9.15 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

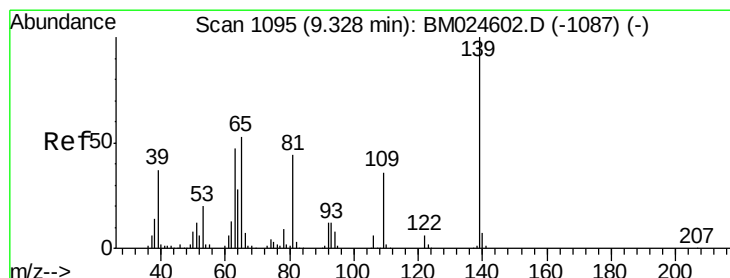
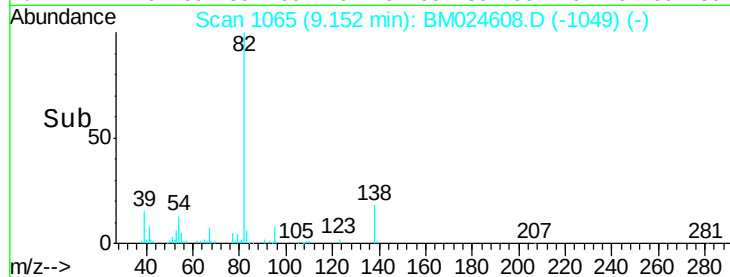
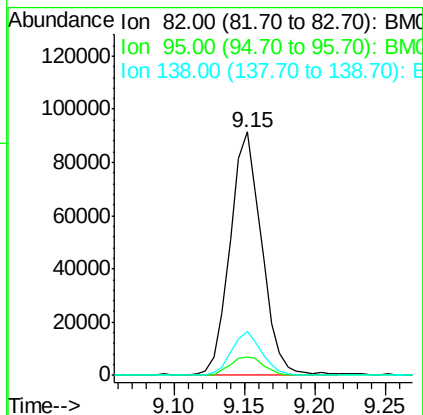
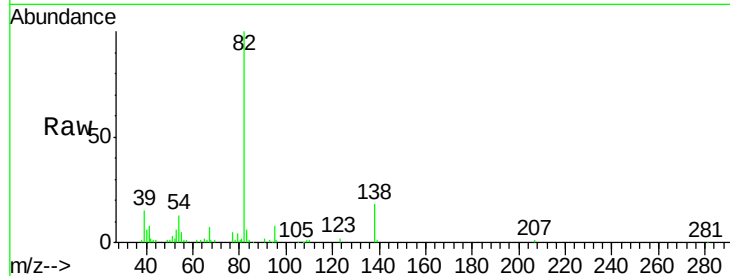
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	82	Resp:	142911
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.7	10.1
138	18.0	14.7	22.1

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#26

2-Nitrophenol

Concen: 3.893 ng

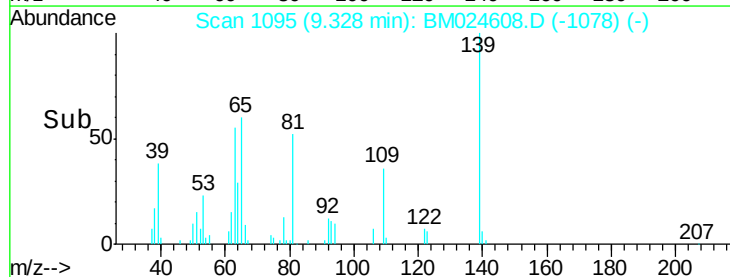
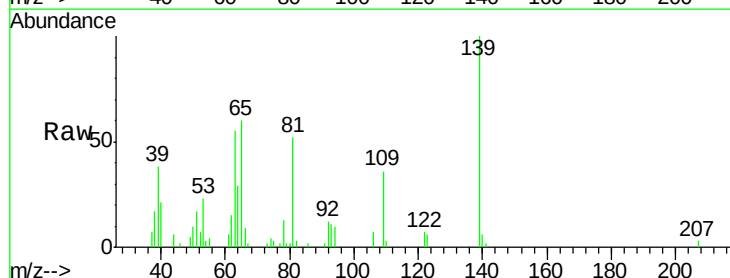
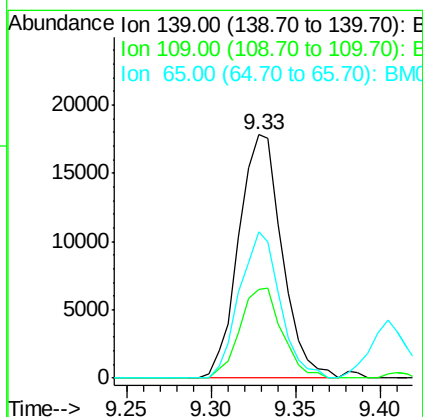
RT: 9.33 min Scan# 1095

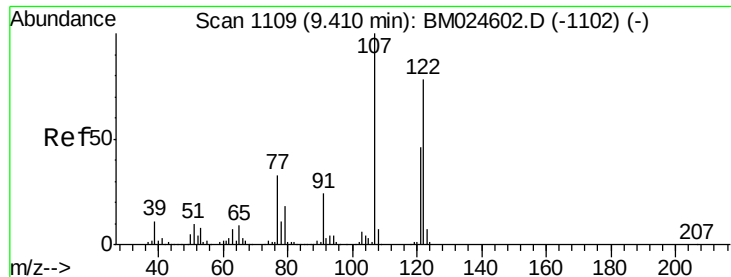
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	139	Resp:	31913
Ion Ratio	Lower	Upper	
139	100		
109	36.2	28.8	43.2
65	60.3	42.6	63.8





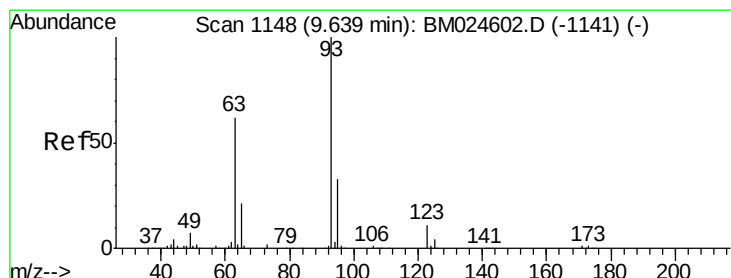
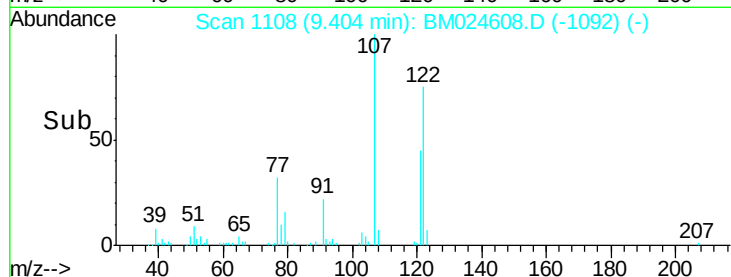
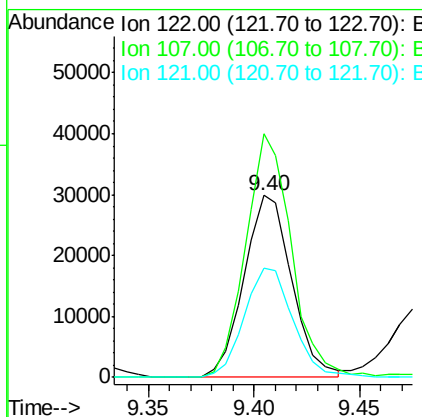
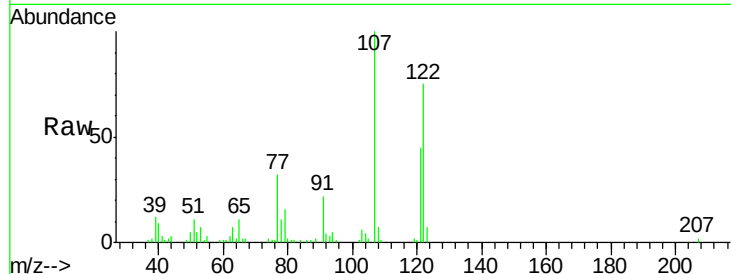
#27
2,4-Dimethylphenol
Concen: 4.211 ng
RT: 9.40 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	133.8	102.5	153.7
121	60.0	47.0	70.4

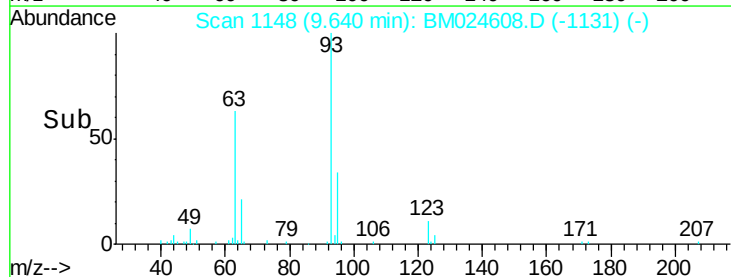
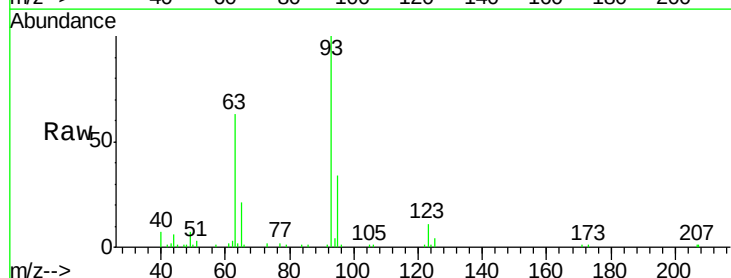
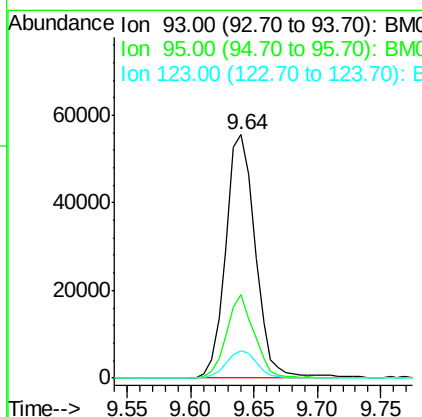
Manual Integrations
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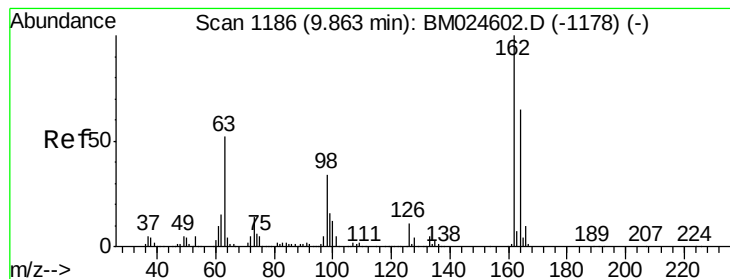
mohammad
1/24/2020 1:55:06 PM



#28
bis(2-Chloroethoxy)methane
Concen: 4.697 ng
RT: 9.64 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.2	26.1	39.1
123	11.4	8.7	13.1





#29

2,4-Dichlorophenol

Concen: 4.070 ng

RT: 9.86 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

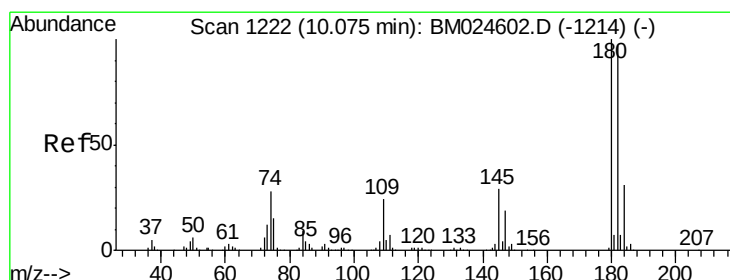
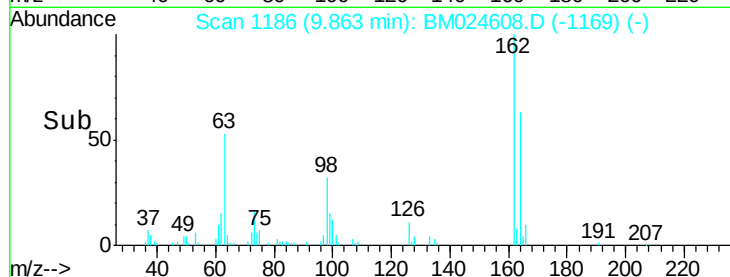
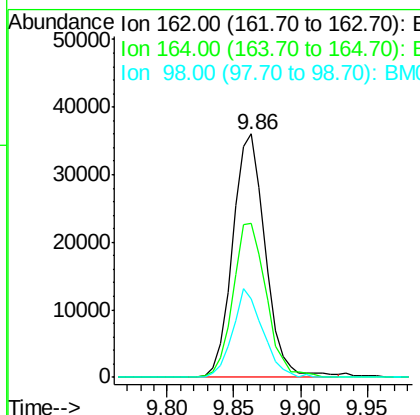
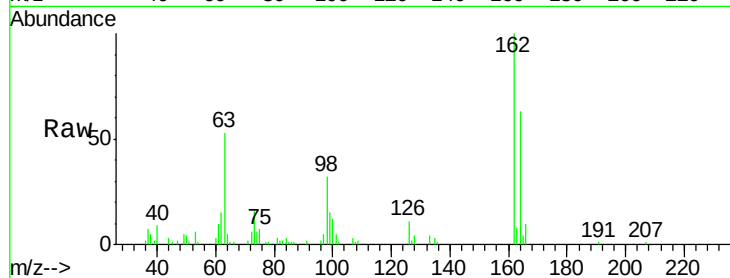
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	162	Resp:	61247
Ion Ratio	Lower	Upper	
162	100		
164	63.1	44.5	84.5
98	32.3	14.2	54.2

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 4.517 ng

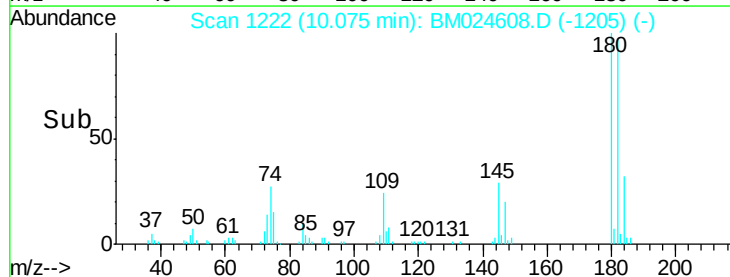
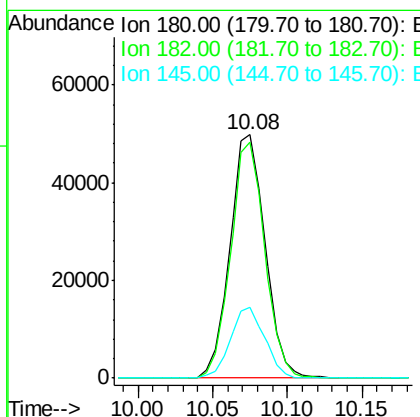
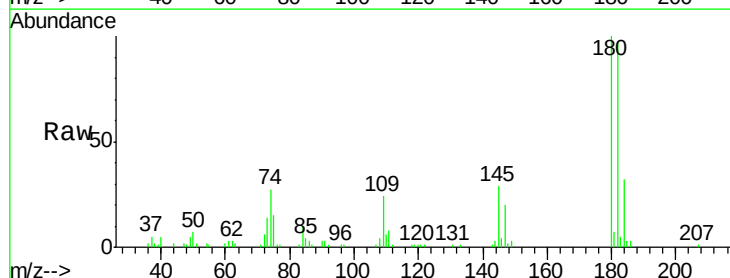
RT: 10.08 min Scan# 1222

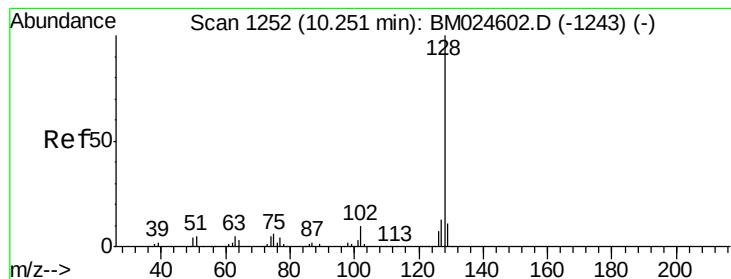
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	180	Resp:	81973
Ion Ratio	Lower	Upper	
180	100		
182	97.0	77.8	116.6
145	29.2	22.9	34.3





#31

Naphthalene

Concen: 4.632 ng

RT: 10.25 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

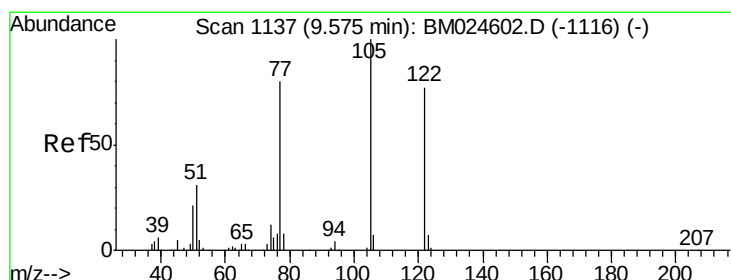
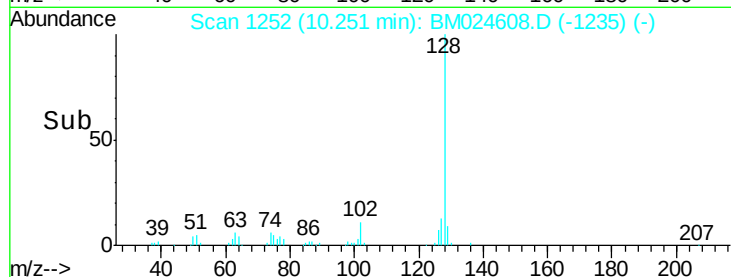
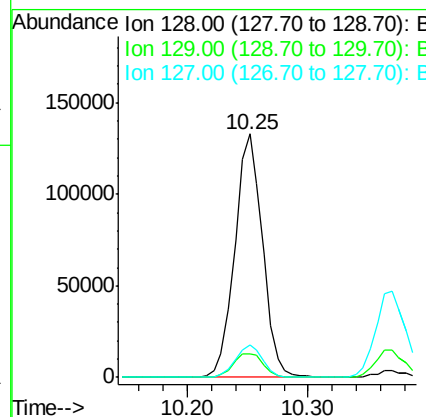
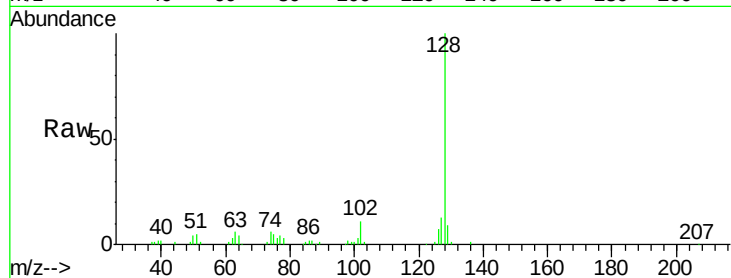
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	128	Resp:	211953
Ion Ratio	Lower	Upper	
128	100		
129	9.4	8.8	13.2
127	13.2	10.6	15.8

Manual Integrations
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#32

Benzoic acid

Concen: 3.370 ng m

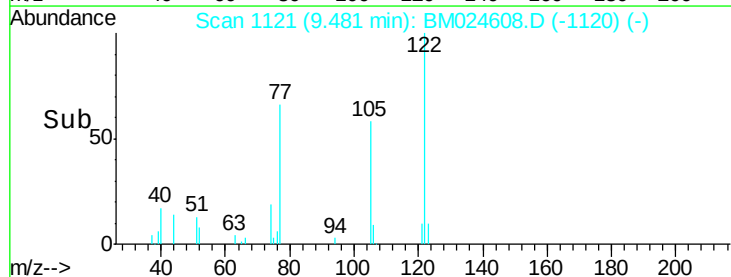
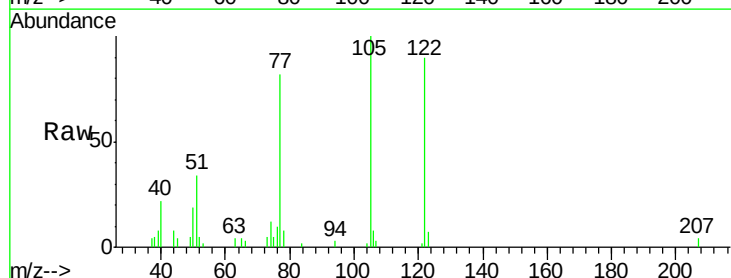
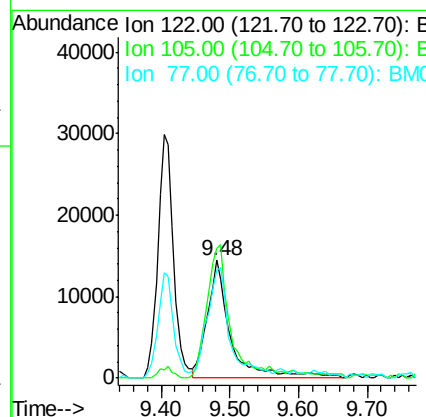
RT: 9.48 min Scan# 1121

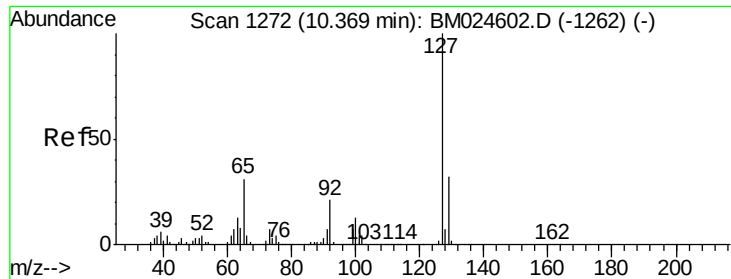
Delta R.T. -0.09 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	122	Resp:	34337
Ion Ratio	Lower	Upper	
122	100		
105	110.6	107.7	147.7
77	91.2	83.8	123.8





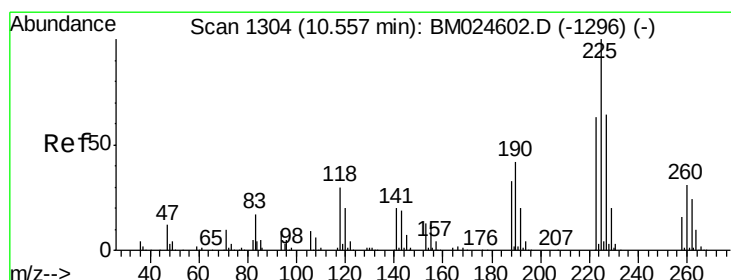
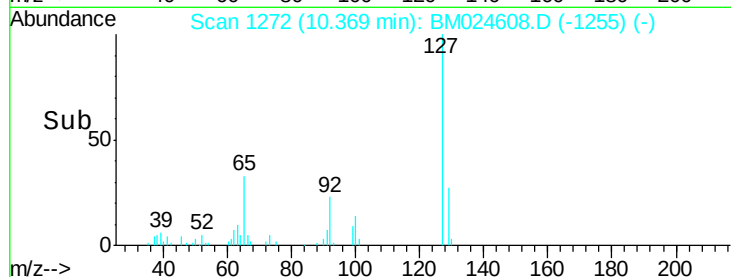
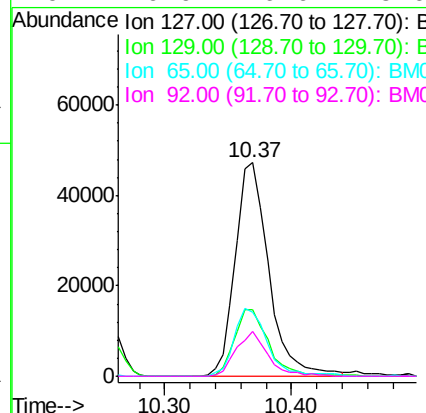
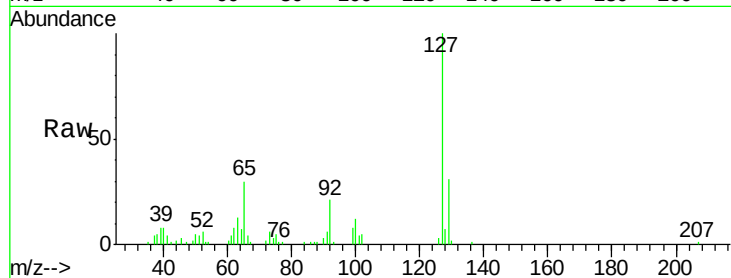
#33
4-Chloroaniline
Concen: 4.331 ng
RT: 10.37 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		86854		
129	31.5	25.9	38.9		
65	30.0	25.1	37.7		
92	20.9	16.6	25.0		

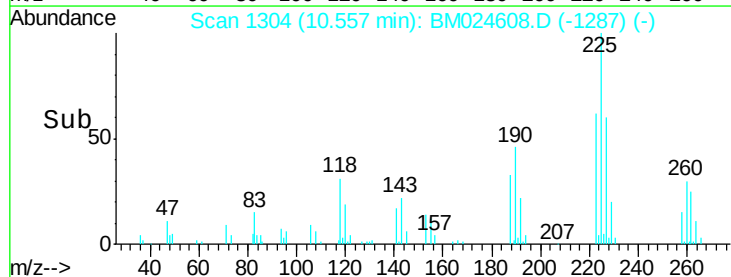
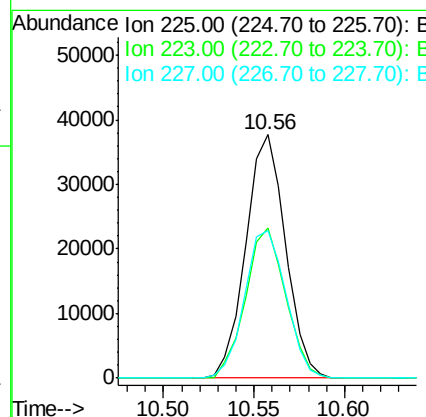
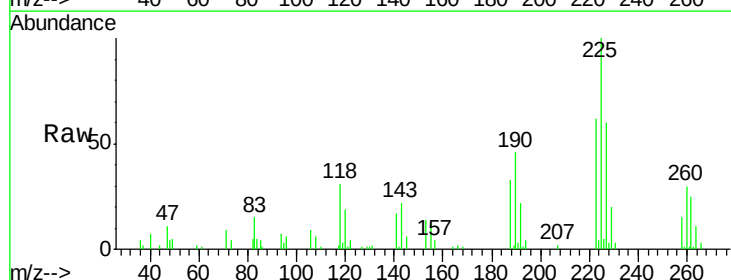
Manual Integrations
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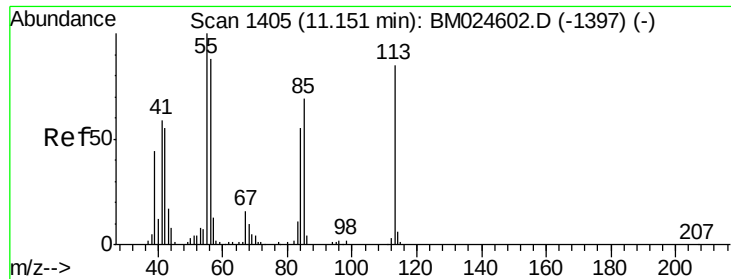
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#34
Hexachlorobutadiene
Concen: 4.580 ng
RT: 10.56 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		57466		
223	61.9	50.7	76.1		
227	60.5	51.4	77.0		





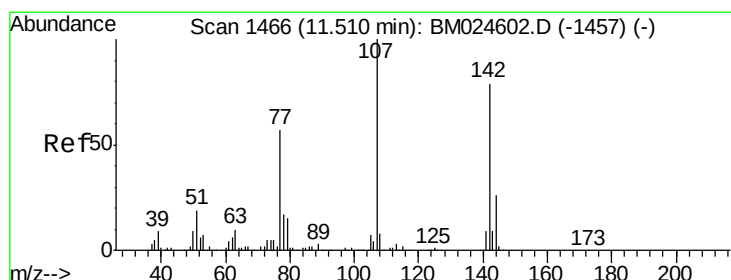
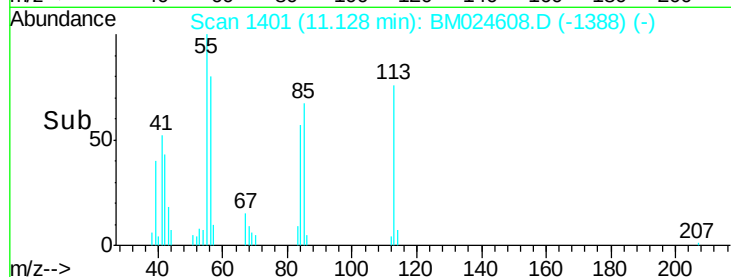
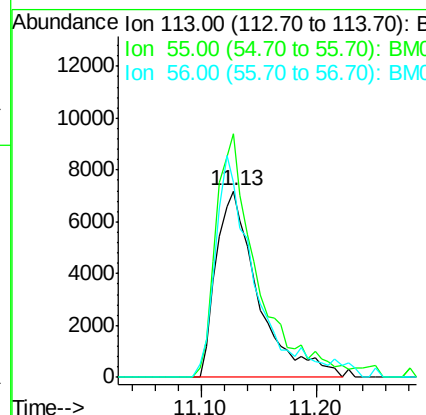
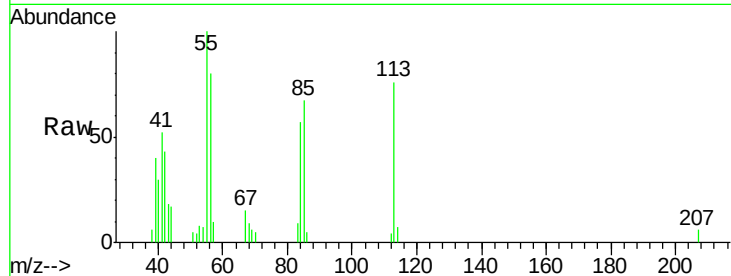
#35
 Caprolactam
 Concen: 3.771 ng
 RT: 11.13 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
113	100		
55	130.7	97.5	137.5
56	104.8	83.4	123.4

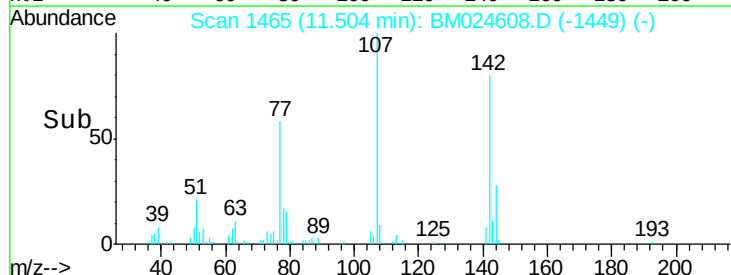
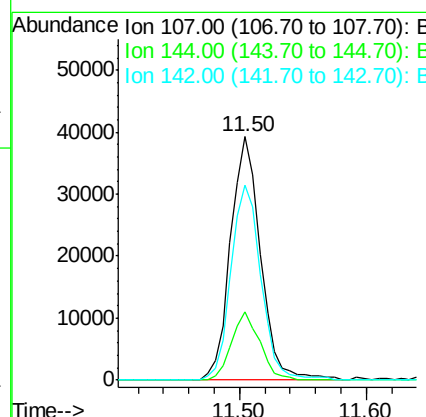
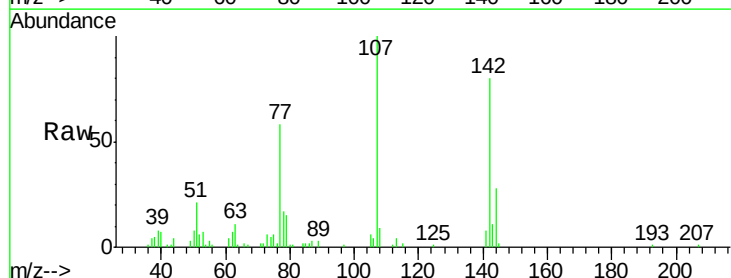
Manual Integrations
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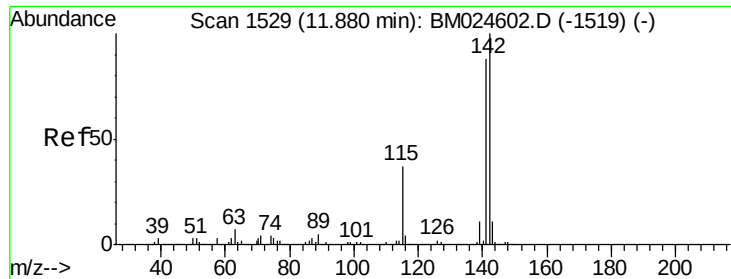
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 4.026 ng
 RT: 11.50 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.0	20.5	30.7
142	80.1	62.8	94.2





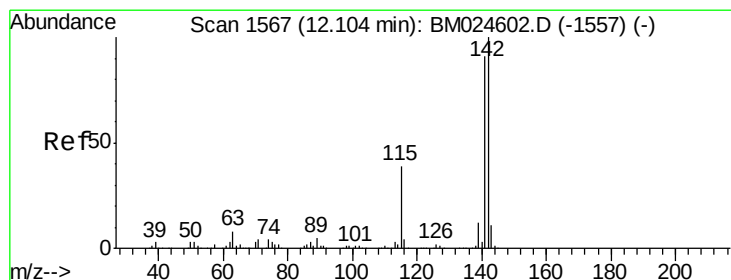
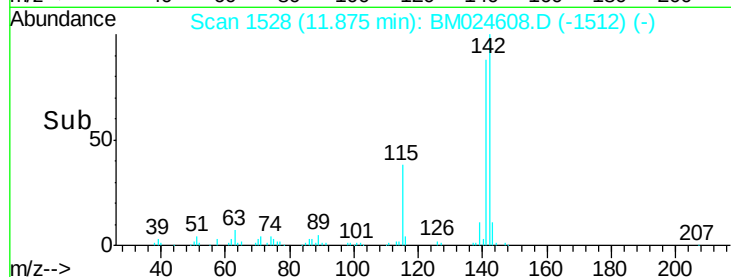
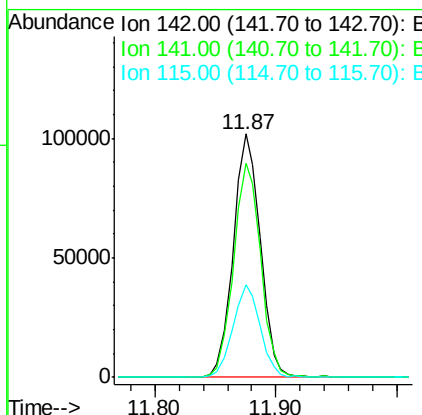
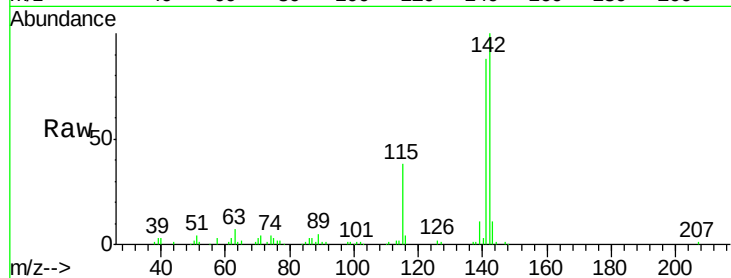
#37
2-Methylnaphthalene
Concen: 4.525 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	38.2	29.7	44.5

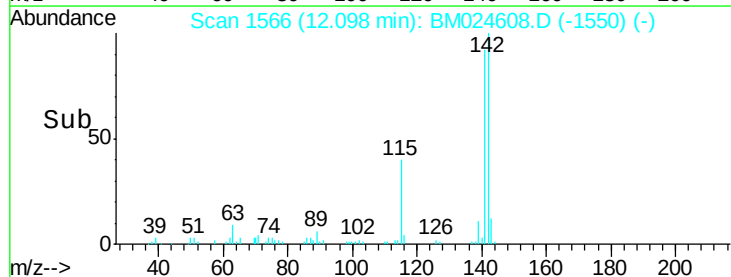
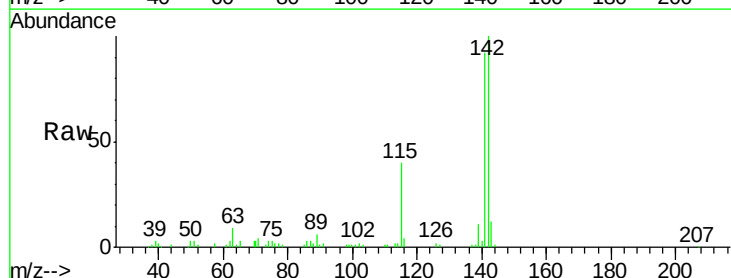
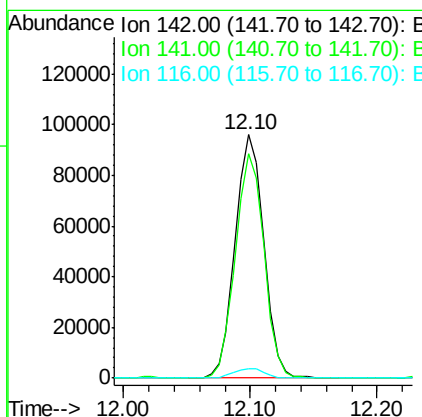
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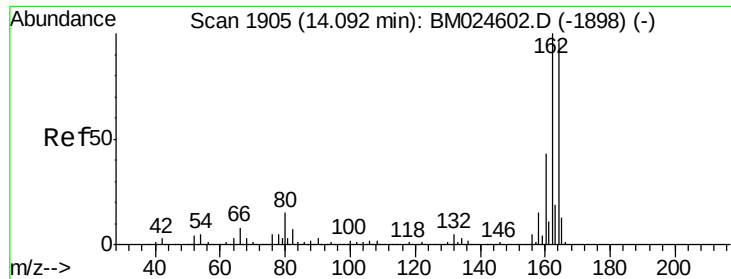
mohammad
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#38
1-Methylnaphthalene
Concen: 4.482 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.8	109.2
116	4.1	3.2	4.8





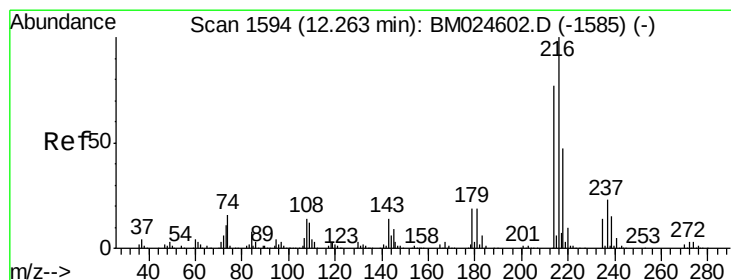
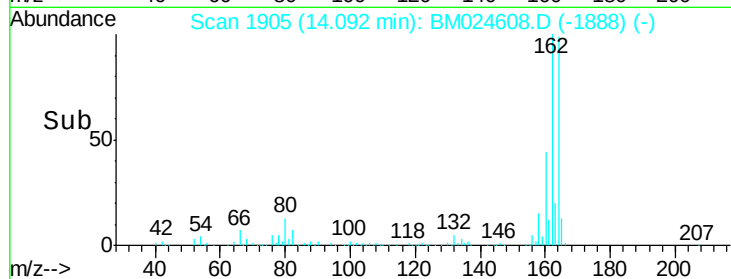
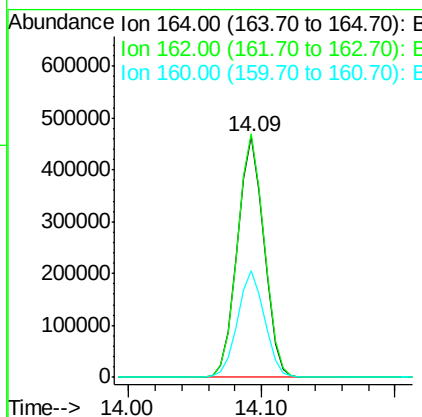
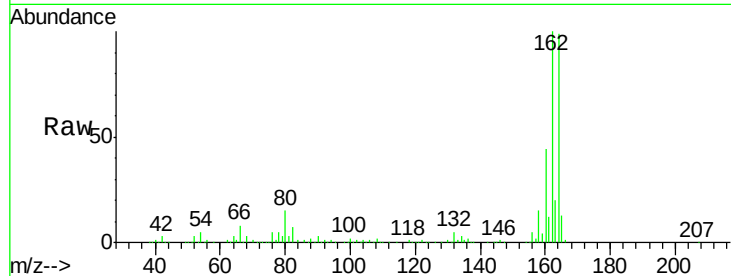
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.09 min Scan# 1905
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	82.9	124.3	
160	44.5	35.5	53.3	

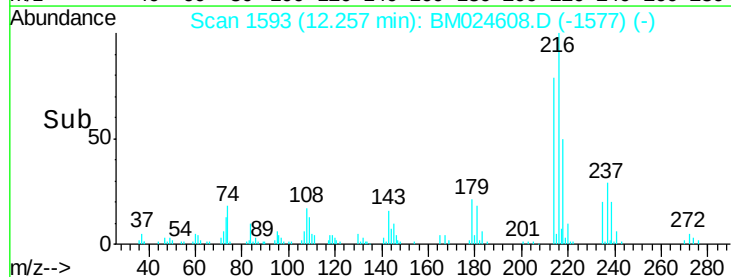
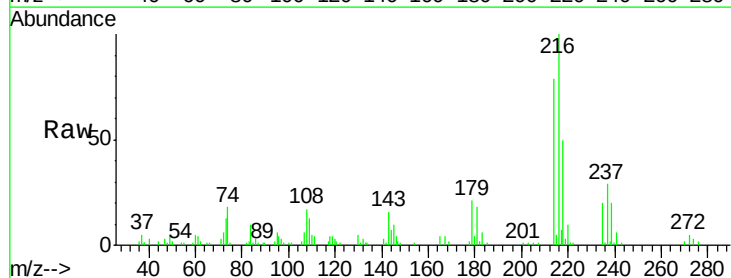
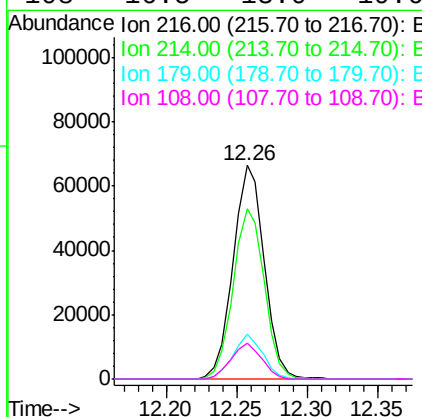
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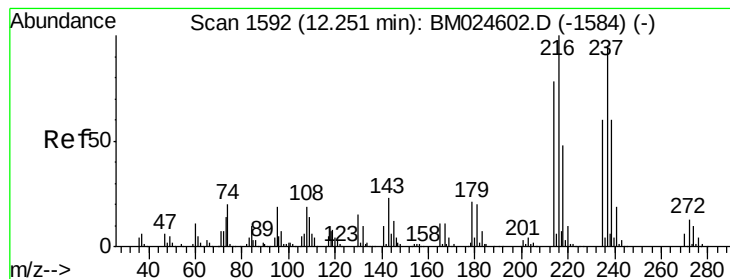
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.450 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	62.3	93.5	
179	20.1	16.1	24.1	
108	16.5	13.0	19.6	





#41

Hexachlorocyclopentadiene

Concen: 3.684 ng

RT: 12.25 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

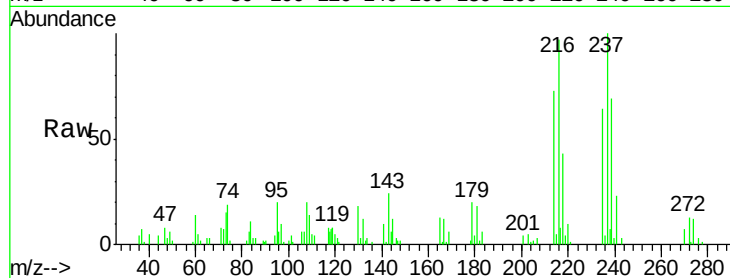
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

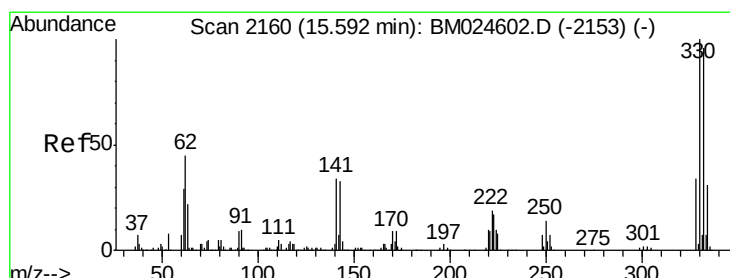
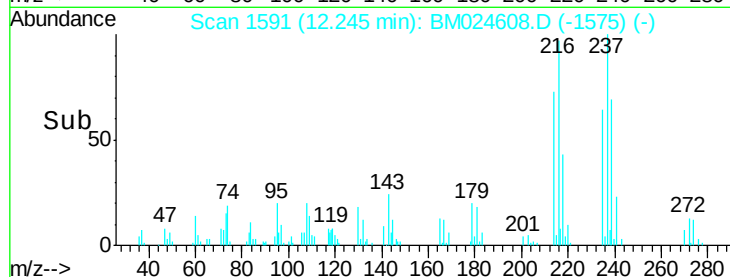
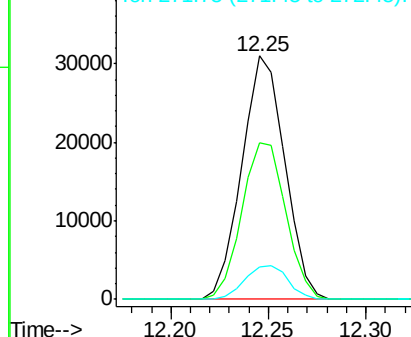
Tot Ion:	237	Resp:	47375
Ion Ratio	Lower	Upper	
237	100		
235	64.2	43.3	83.3
272	13.3	0.0	33.4

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



#42

2,4,6-Tribromophenol

Concen: 122.706 ng

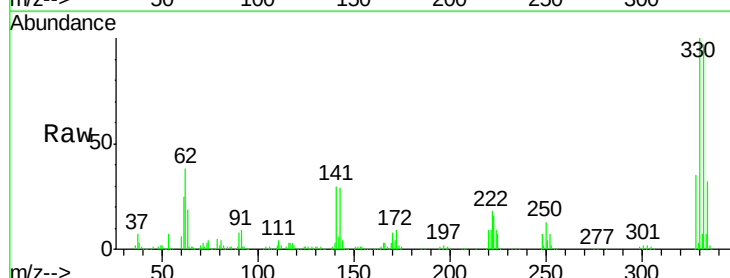
RT: 15.59 min Scan# 2160

Delta R.T. 0.00 min

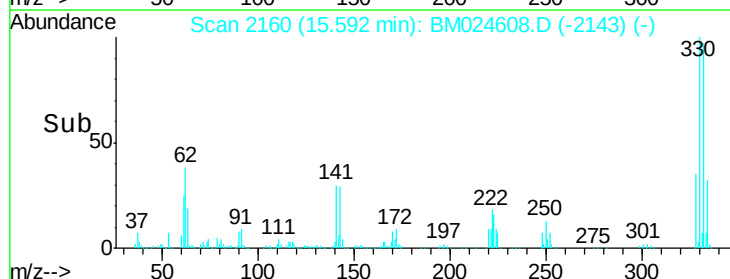
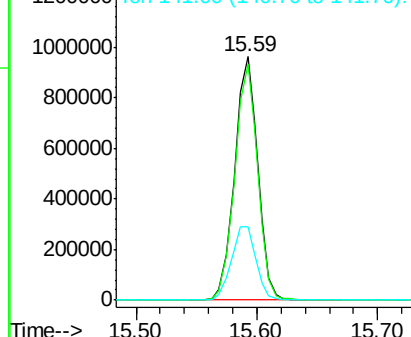
Lab File: BM024608.D

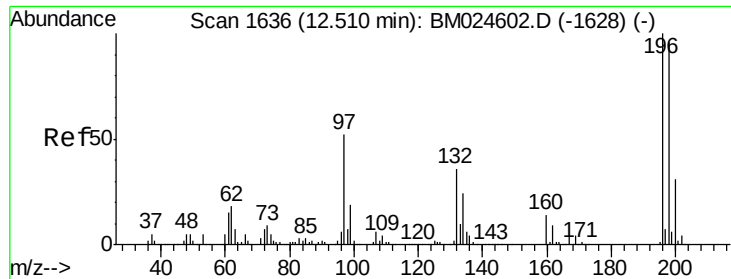
Acq: 23 Jan 2020 15:21

Tgt Ion:	330	Resp:	1283245
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.2	115.8
141	32.2	26.9	40.3



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





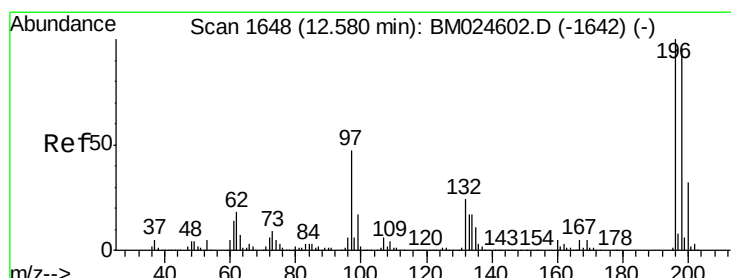
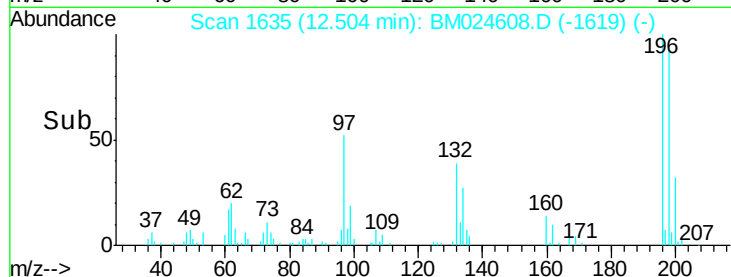
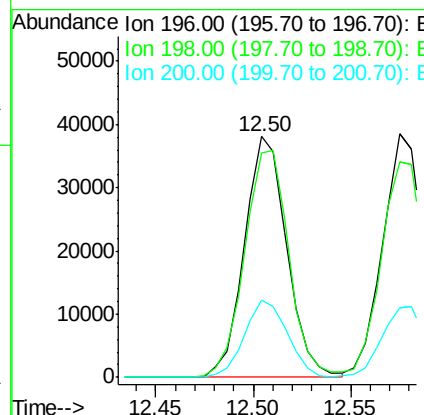
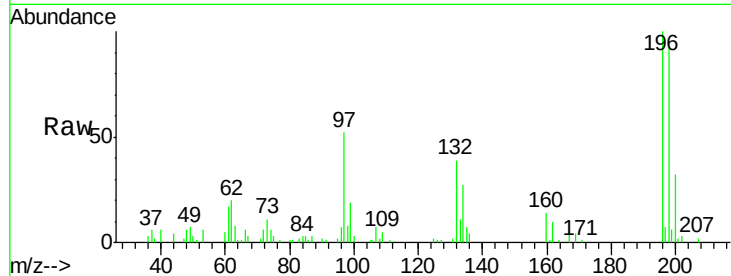
#43
 2,4,6-Trichlorophenol
 Concen: 3.937 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	92.9	76.5	114.7
200	31.9	25.0	37.6

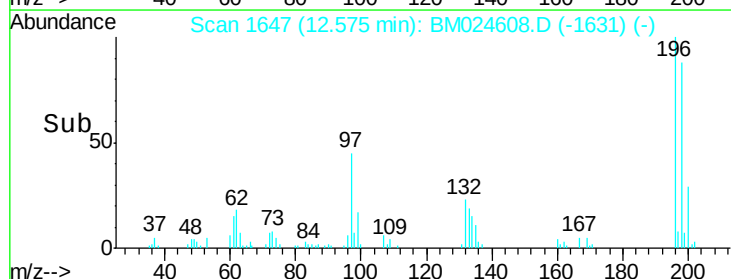
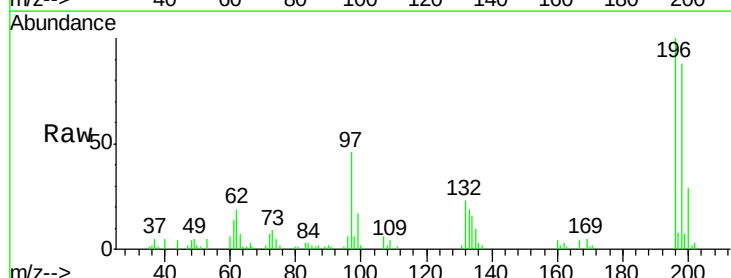
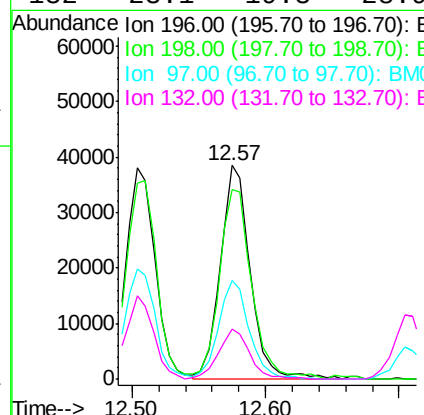
Manual Integrations
 APPROVED

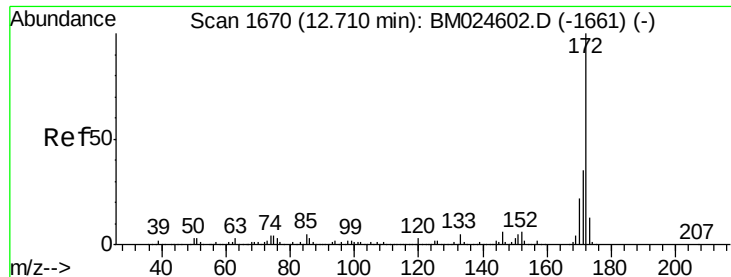
mohammad
 1/24/2020 1:55:06 PM



#44
 2,4,5-Trichlorophenol
 Concen: 4.080 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
196	100		
198	88.4	77.2	115.8
97	45.9	37.4	56.0
132	23.1	19.3	28.9





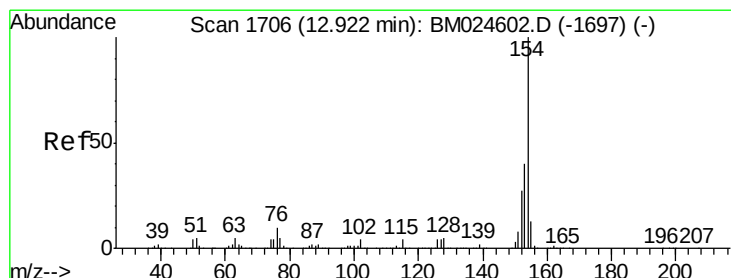
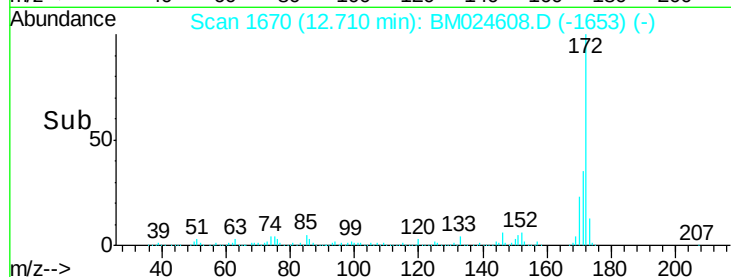
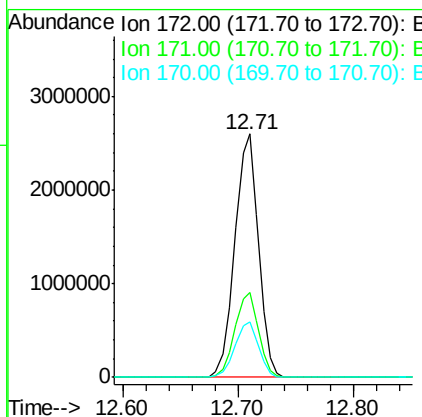
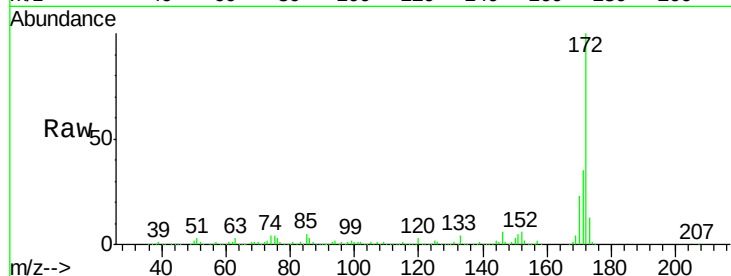
#45
2-Fluorobiphenyl
Concen: 77.599 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	22.9	17.9	26.9

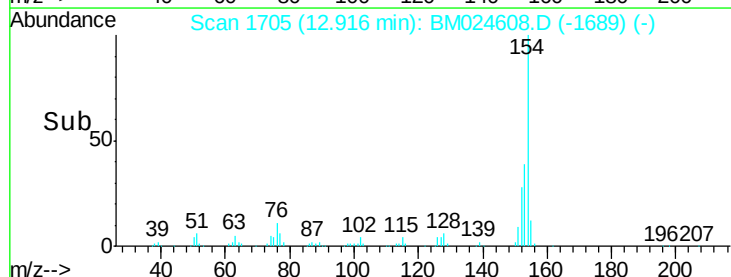
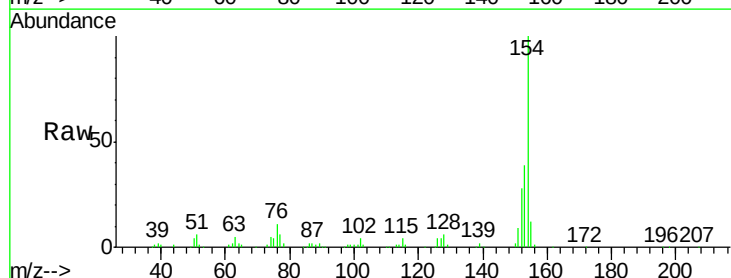
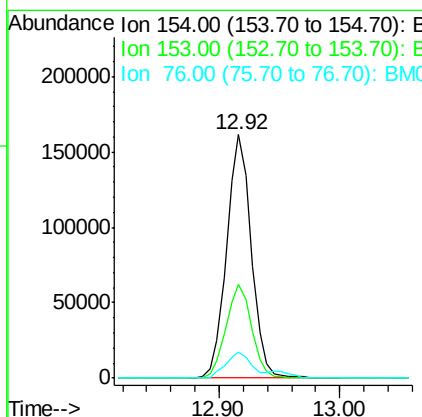
Manual Integrations
APPROVED

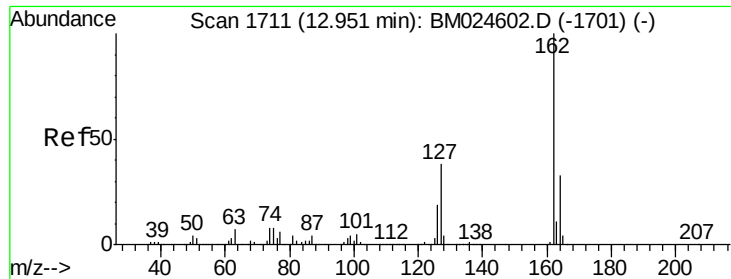
mohammad
1/24/2020 1:55:06 PM



#46
1,1'-Biphenyl
Concen: 4.711 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.3	60.3
76	10.9	0.0	30.5





#47

2-Chloronaphthalene

Concen: 4.599 ng

RT: 12.95 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

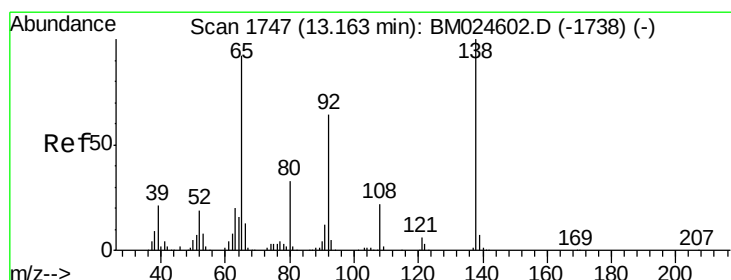
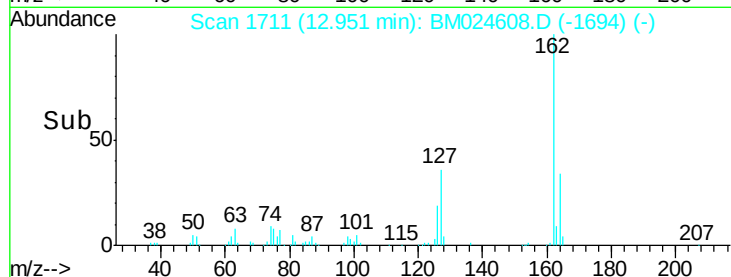
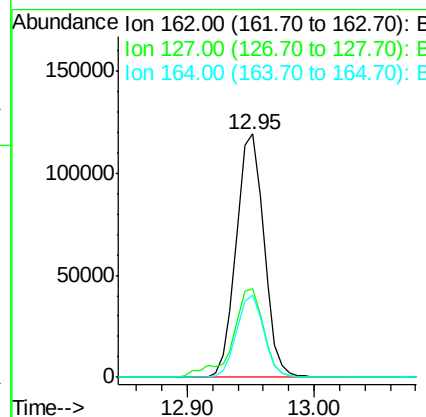
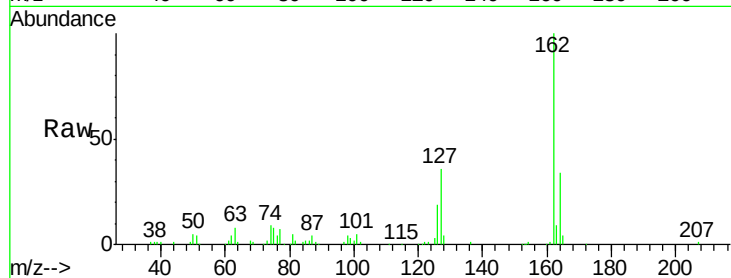
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	162	Resp:	180635
Ion Ratio		Lower	Upper
162	100		
127	36.2	30.4	45.6
164	33.6	26.5	39.7

Manual Integrations
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#48

2-Nitroaniline

Concen: 3.947 ng

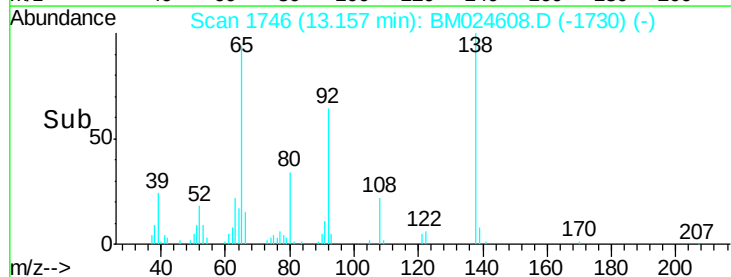
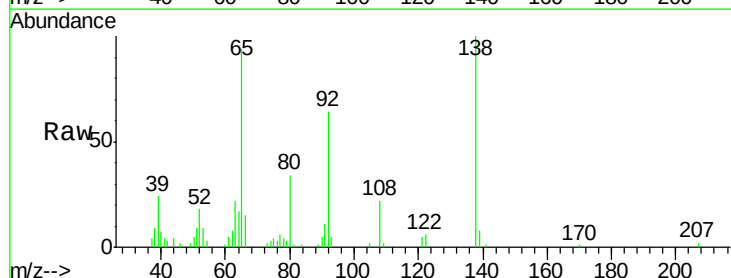
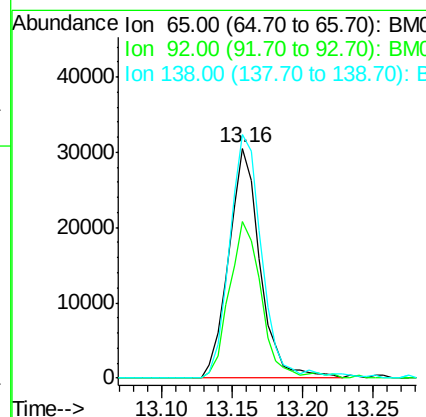
RT: 13.16 min Scan# 1746

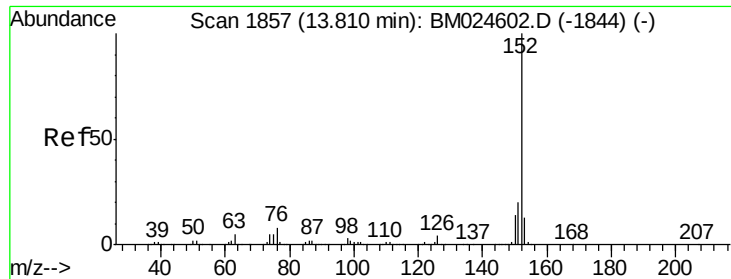
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	65	Resp:	47279
Ion Ratio		Lower	Upper
65	100		
92	68.0	55.4	83.2
138	105.9	86.6	129.8





#49

Acenaphthylene

Concen: 4.436 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

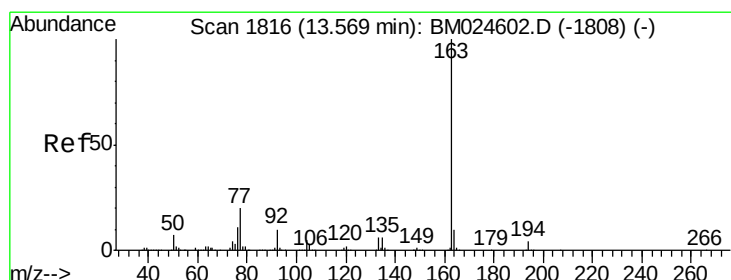
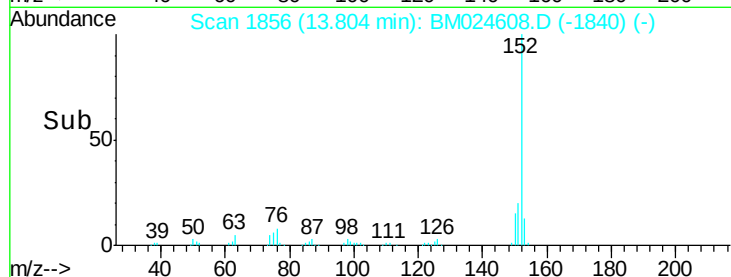
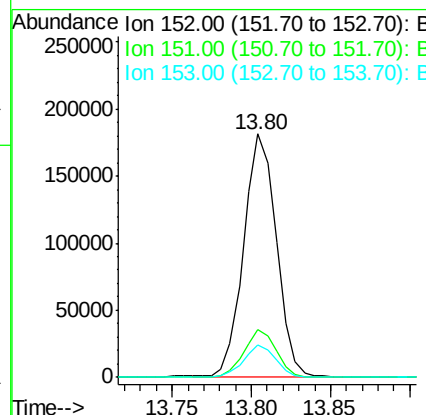
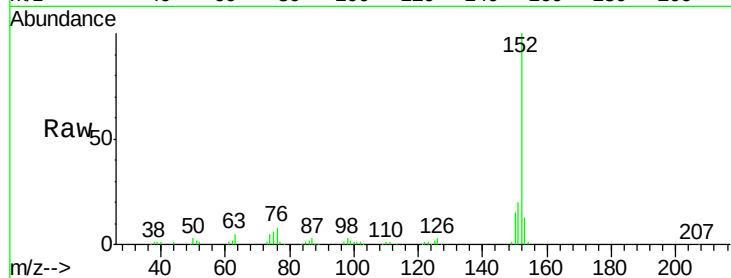
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	152	Resp:	260841
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.8	23.6
153	13.3	10.4	15.6

Manual Integrations
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#50

Dimethylphthalate

Concen: 4.592 ng

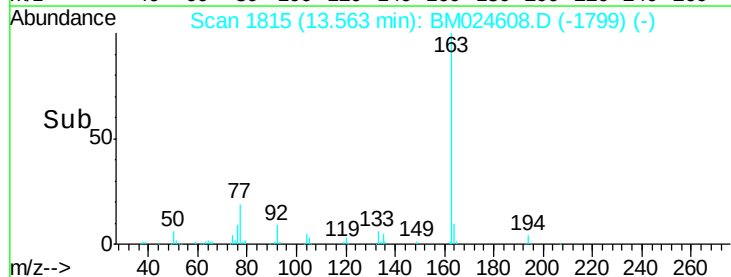
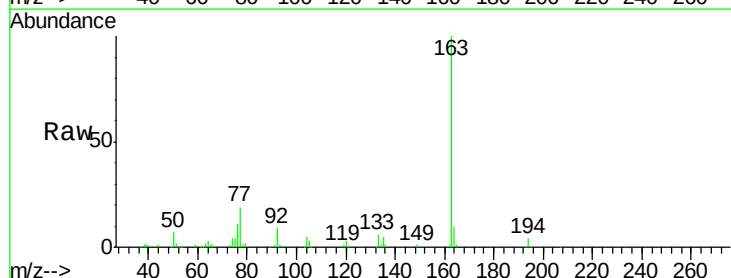
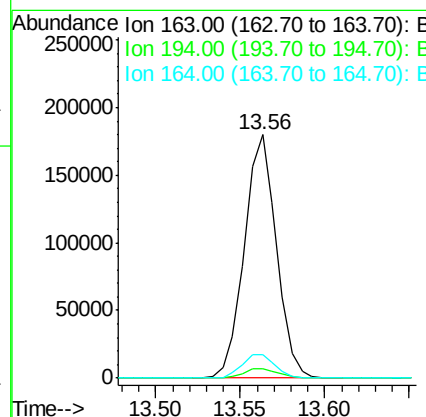
RT: 13.56 min Scan# 1815

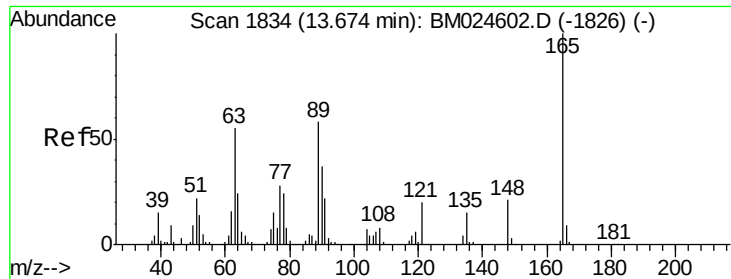
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	163	Resp:	238714
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	9.6	8.0	12.0





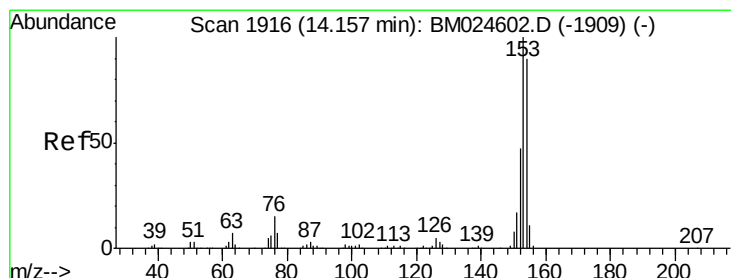
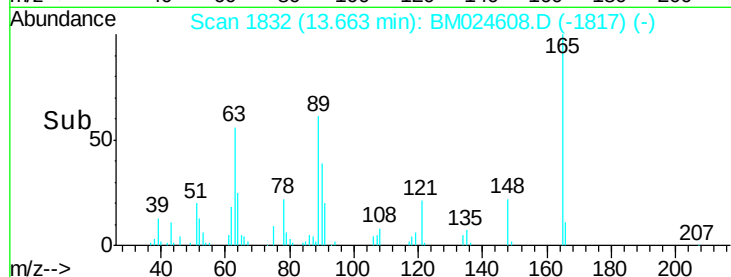
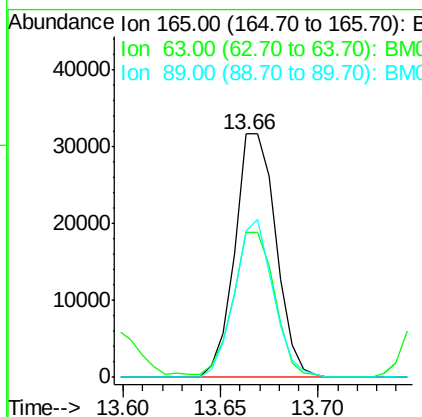
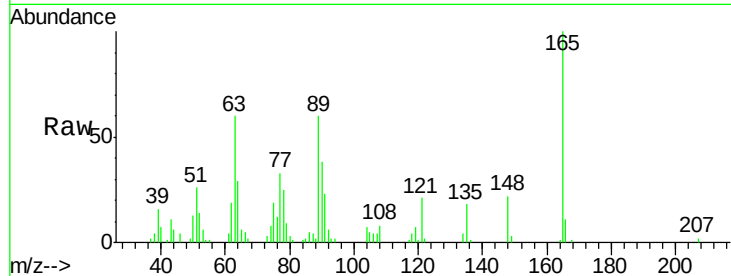
#51
 2,6-Dinitrotoluene
 Concen: 4.192 ng
 RT: 13.66 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	46336		
63	59.8		45.4	68.0
89	60.0		46.6	69.8

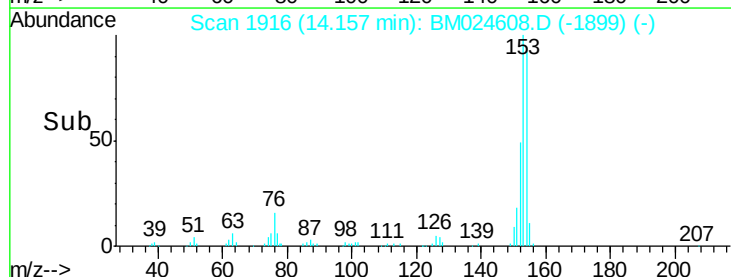
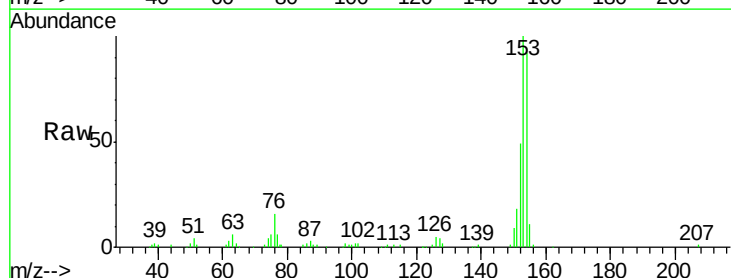
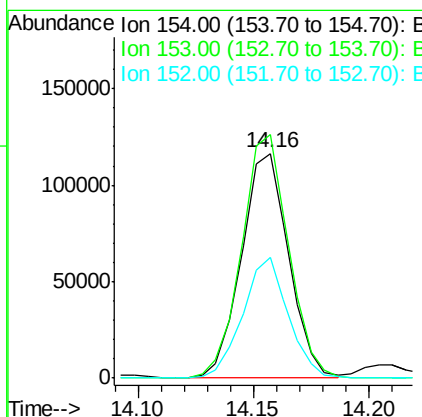
Manual Integrations
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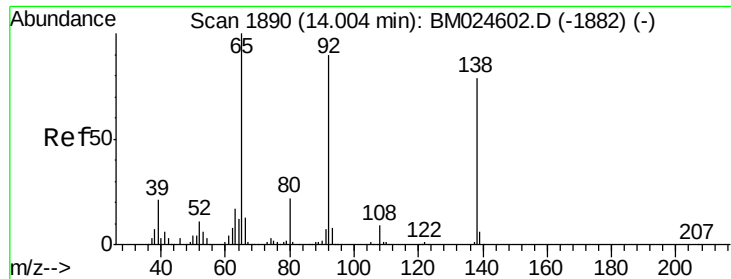
mohammad
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#52
 Acenaphthene
 Concen: 4.550 ng
 RT: 14.16 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	166007		
153	108.5		89.1	133.7
152	53.7		41.9	62.9





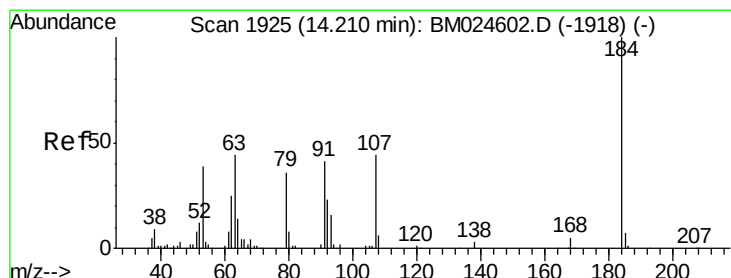
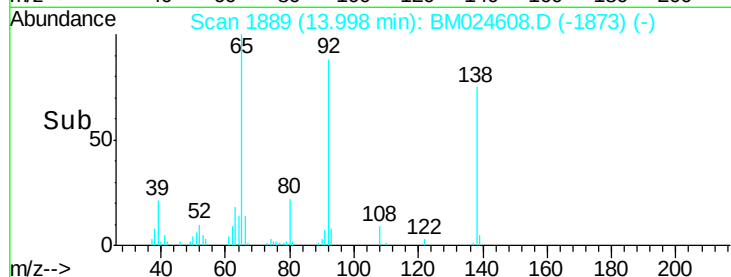
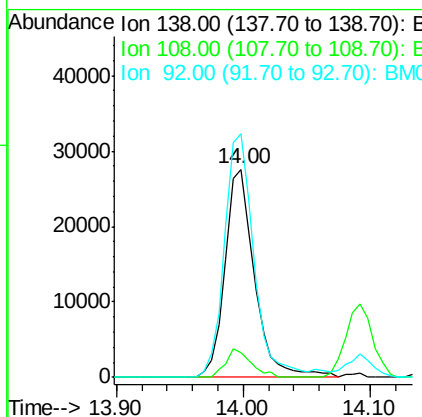
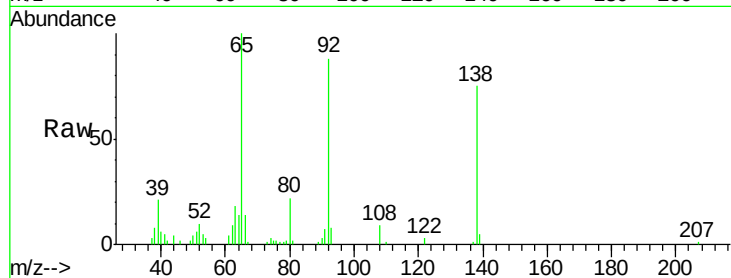
#53
3-Nitroaniline
Concen: 3.887 ng
RT: 14.00 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.7	13.1
92	117.2	91.0	136.4

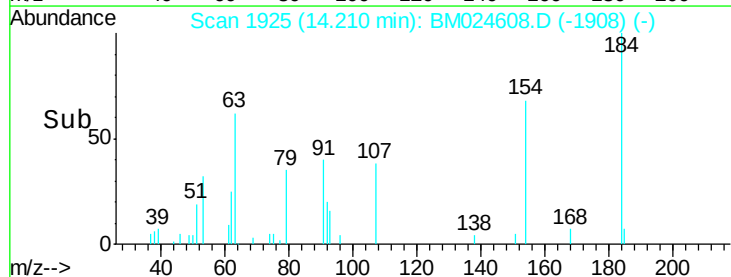
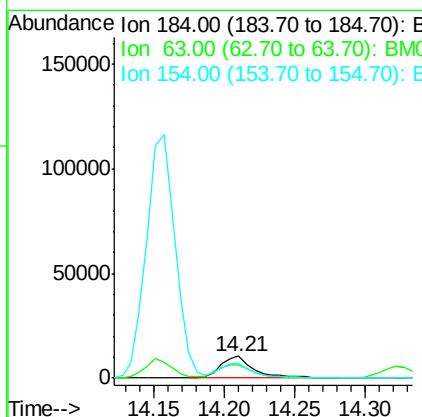
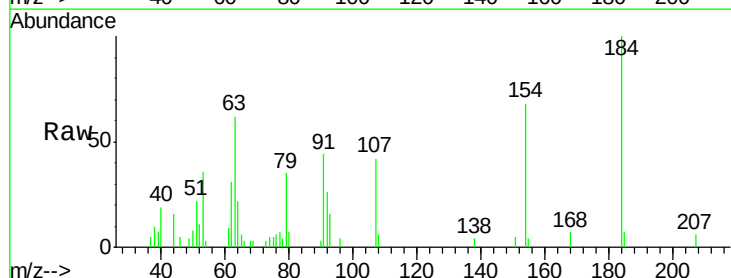
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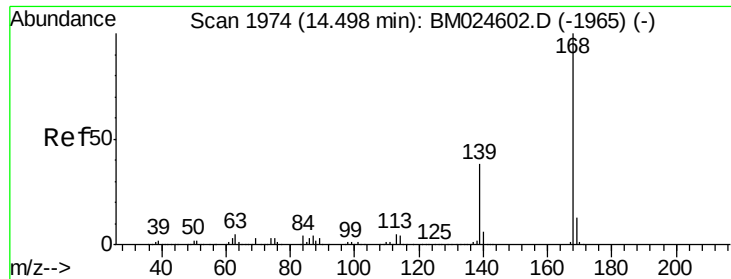
mohammad
1/24/2020 1:55:06 PM



#54
2,4-Dinitrophenol
Concen: 2.594 ng
RT: 14.21 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.0	51.8	77.8
154	67.8	50.2	75.4





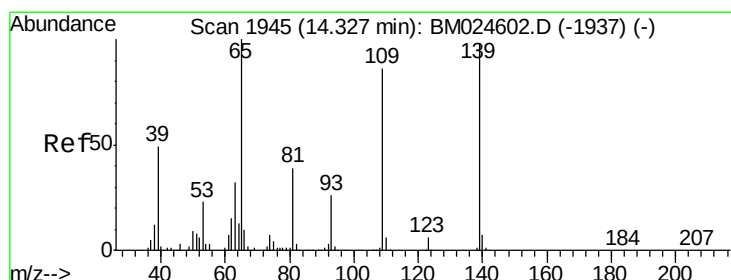
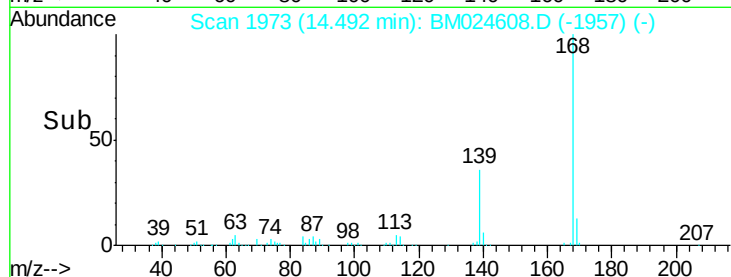
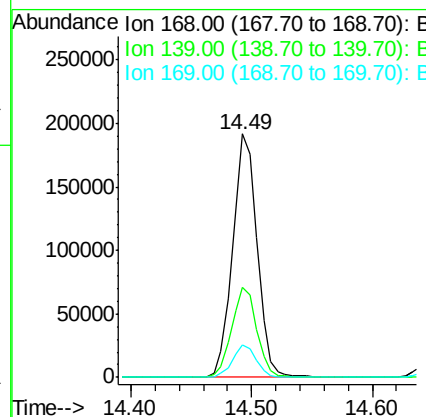
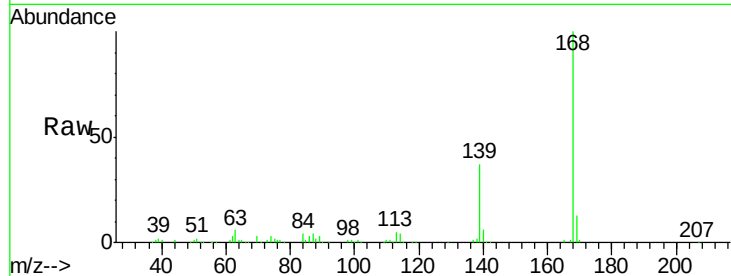
#55
Dibenzofuran
Concen: 4.555 ng
RT: 14.49 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.2	45.4
169	13.2	10.7	16.1

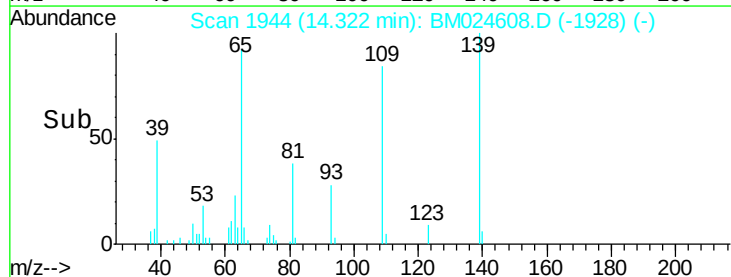
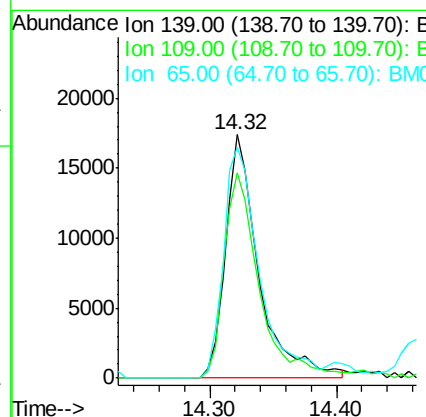
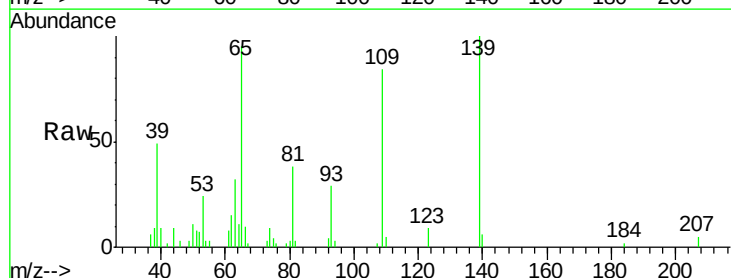
Manual Integrations
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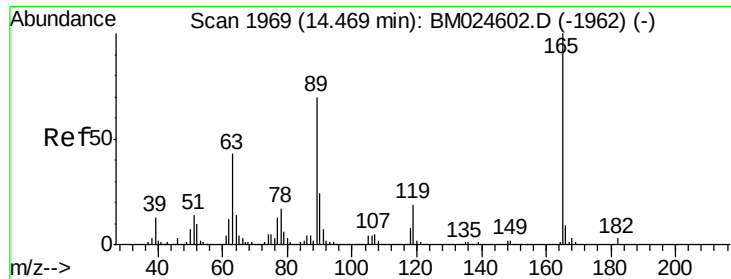
mohammad
1/24/2020 1:55:06 PM



#56
4-Nitrophenol
Concen: 3.533 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	84.4	67.4	107.4
65	94.7	82.1	122.1





#57

2,4-Dinitrotoluene

Concen: 3.875 ng

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

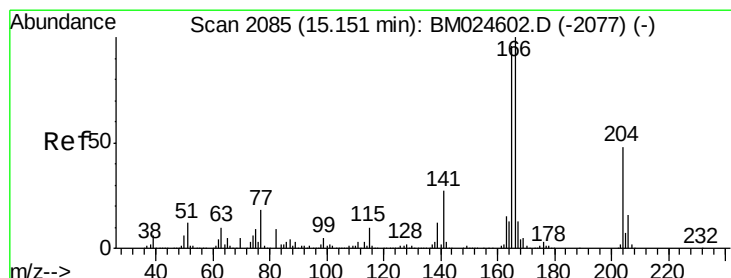
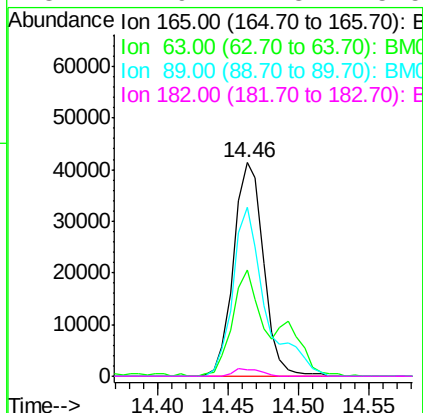
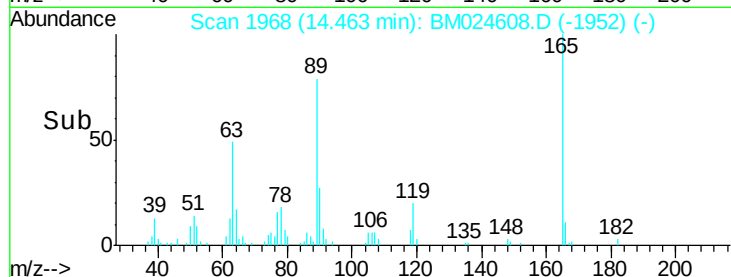
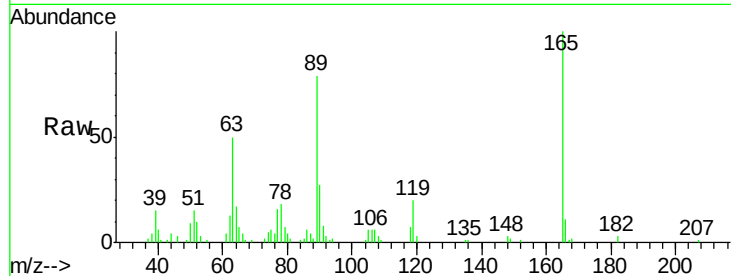
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		61377		
63	49.6		34.5	51.7	
89	78.9		55.8	83.8	
182	2.9		2.3	3.5	

Manual Integrations
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1/24/2020 1:55:06 PM



#58

Fluorene

Concen: 4.342 ng

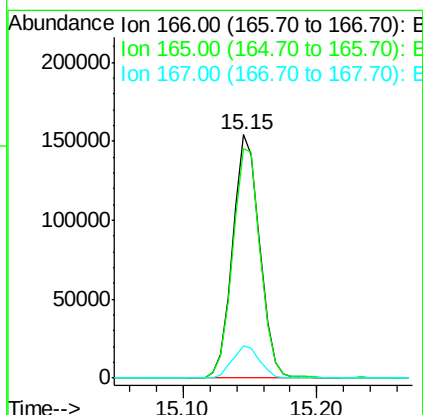
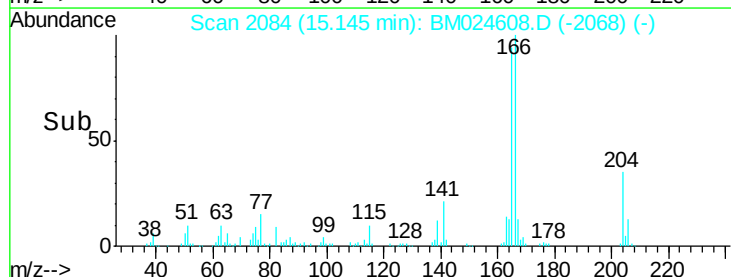
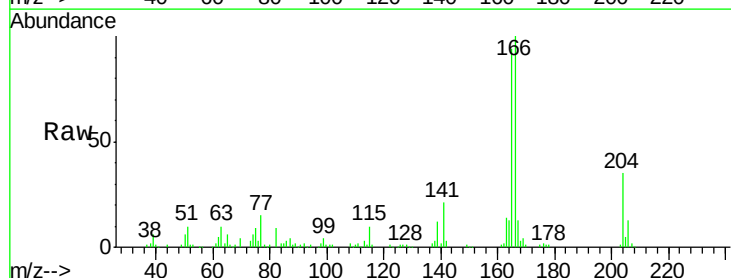
RT: 15.15 min Scan# 2084

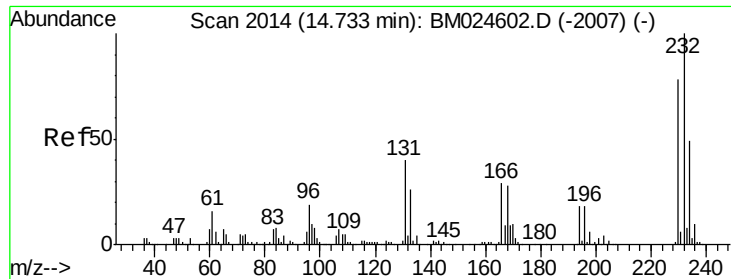
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		217136		
165	94.5		76.6	114.8	
167	13.3		10.8	16.2	





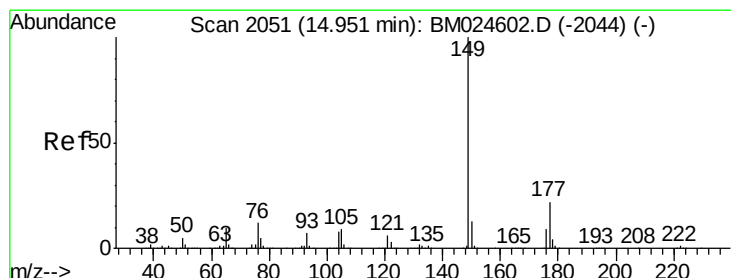
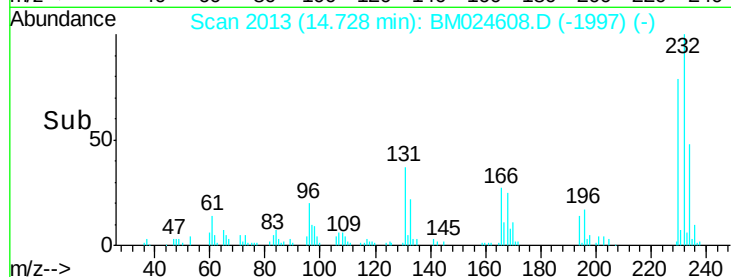
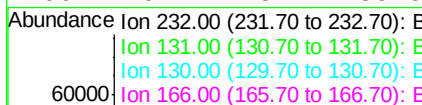
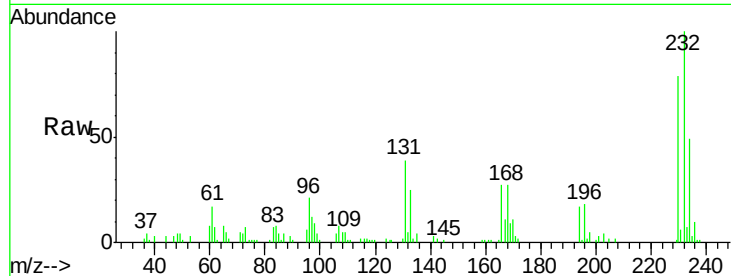
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.022 ng
 RT: 14.73 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Resp	Lower	Upper
232	100	60821		
131	42.5		32.2	48.4
130	2.0		1.9	2.9
166	29.2		23.4	35.0

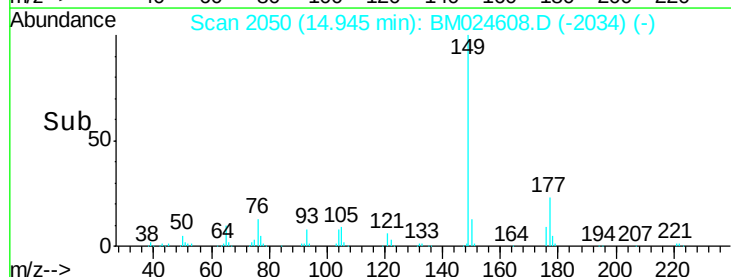
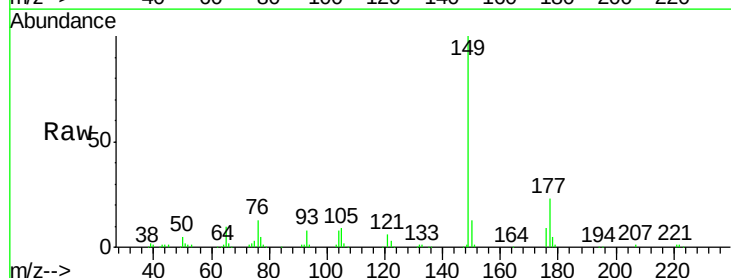
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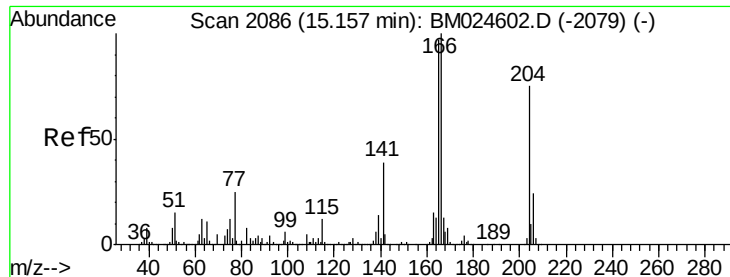
mohammad
 1/24/2020 1:55:06 PM



#60
 Diethylphthalate
 Concen: 4.400 ng
 RT: 14.95 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	232210		
177	23.4		18.0	27.0
150	12.9		10.2	15.4





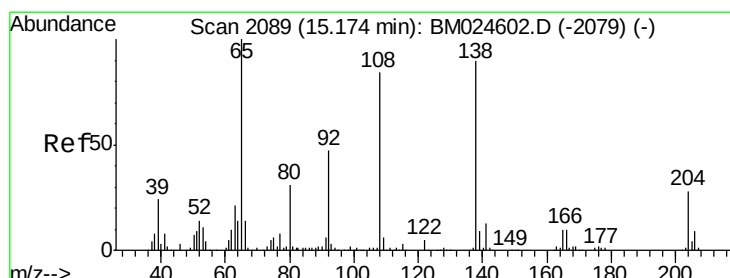
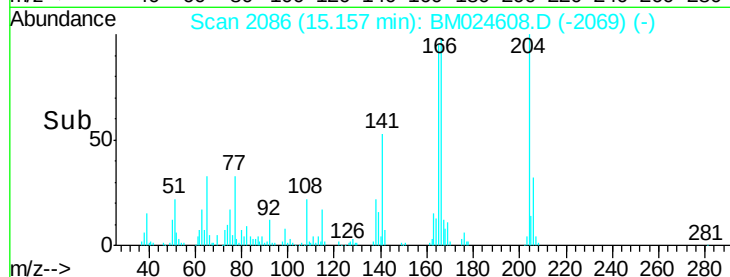
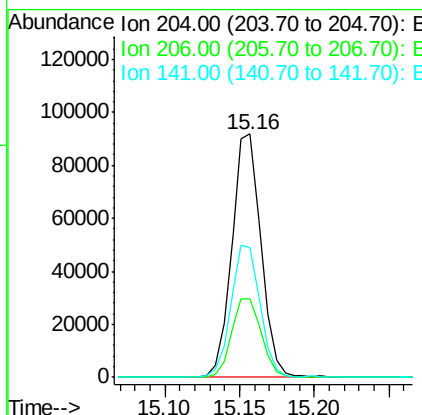
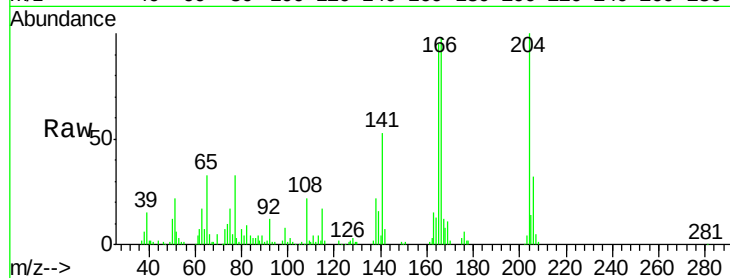
#61
4-Chlorophenyl-phenylether
Concen: 4.344 ng
RT: 15.16 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	53.3	42.2	63.2

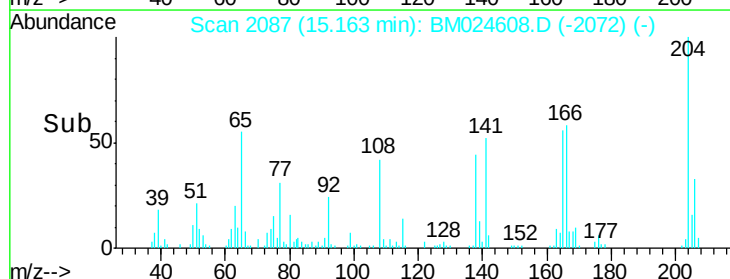
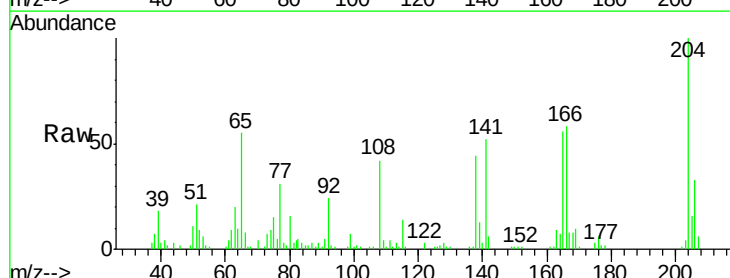
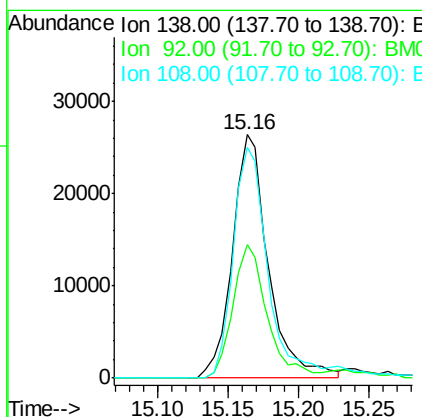
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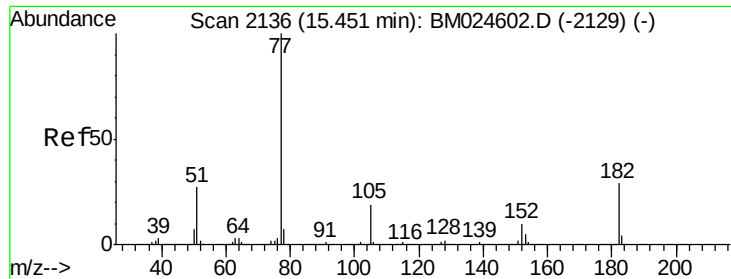
mohammad
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#62
4-Nitroaniline
Concen: 3.699 ng
RT: 15.16 min Scan# 2087
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.8	32.4	72.4
108	94.7	73.3	113.3





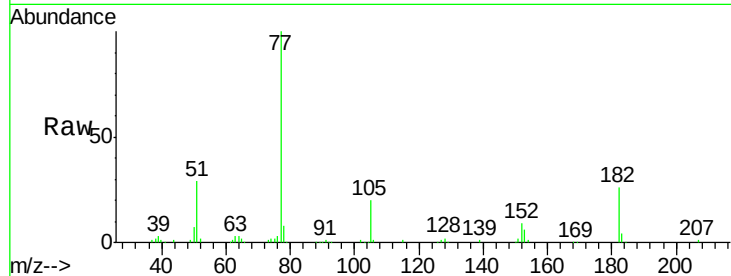
#63
Azobenzene
Concen: 4.401 ng
RT: 15.45 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.2	8.7	48.7	
105	20.5	0.0	39.2	
51	28.8	7.5	47.5	

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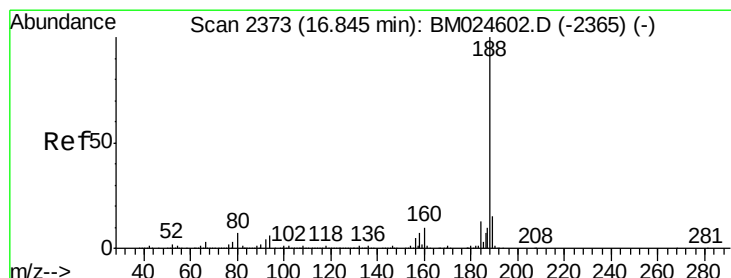
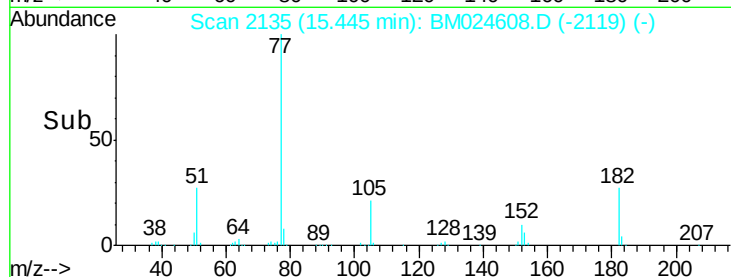
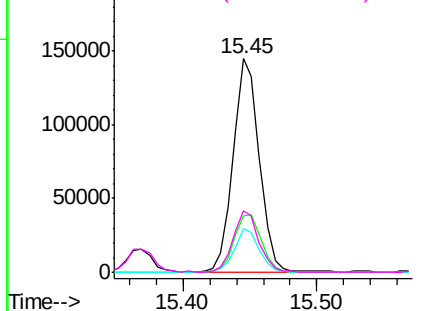


Abundance Ion 77.00 (76.70 to 77.70): BM024608.D (-2129) (-)

Ion 182.00 (181.70 to 182.70): BM024608.D (-2129) (-)

Ion 105.00 (104.70 to 105.70): BM024608.D (-2129) (-)

Ion 51.00 (50.70 to 51.70): BM024608.D (-2129) (-)



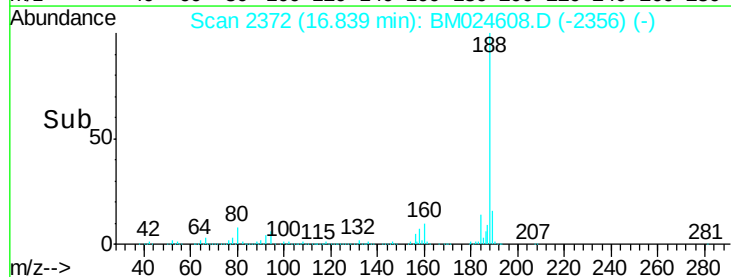
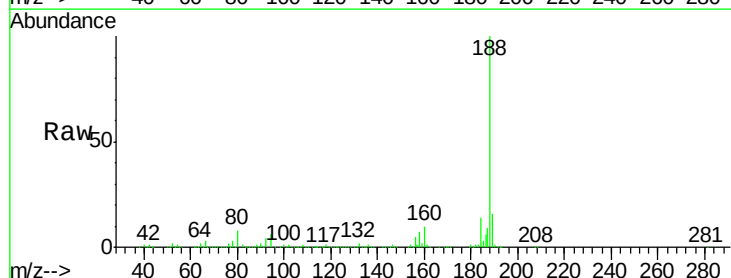
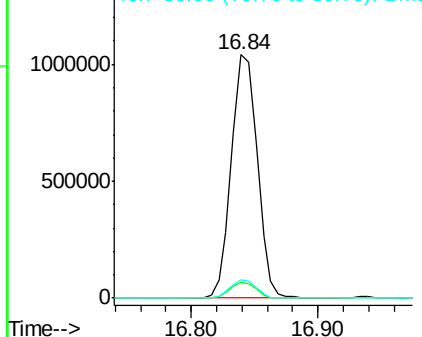
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

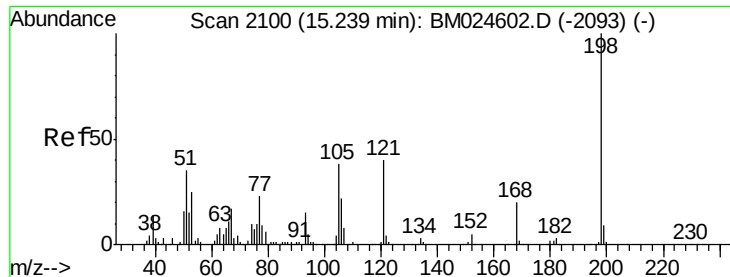
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.4	5.0	7.6	
80	7.7	5.8	8.8	

Abundance Ion 188.00 (187.70 to 188.70): BM024608.D (-2356) (-)

Ion 94.00 (93.70 to 94.70): BM024608.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024608.D (-2356) (-)





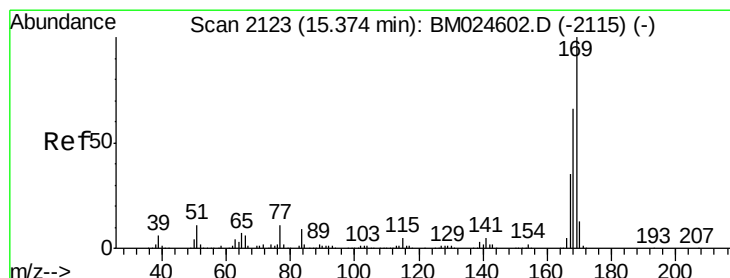
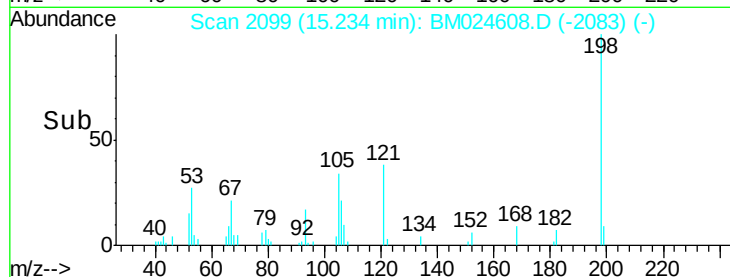
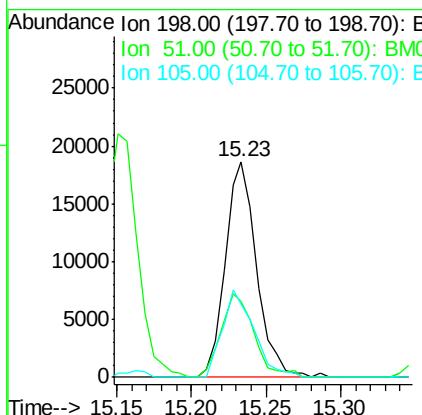
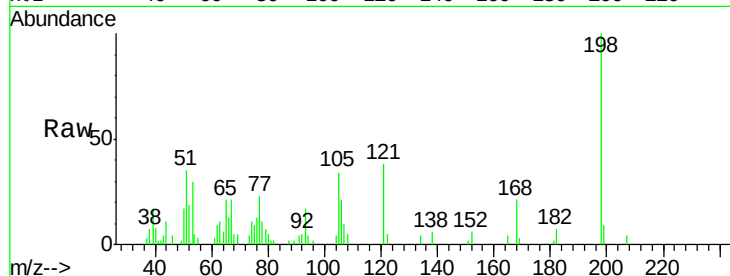
#65
4,6-Dinitro-2-methylphenol
Concen: 3.156 ng
RT: 15.23 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	35.1	15.8	55.8
105	34.1	18.5	58.5

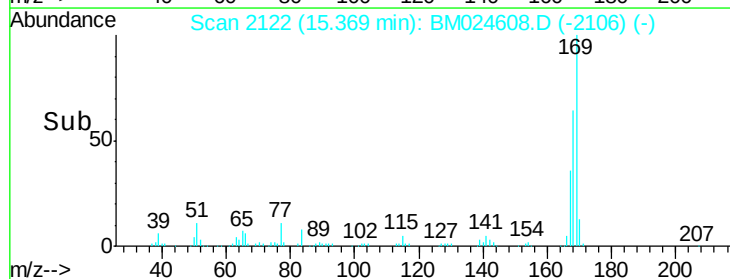
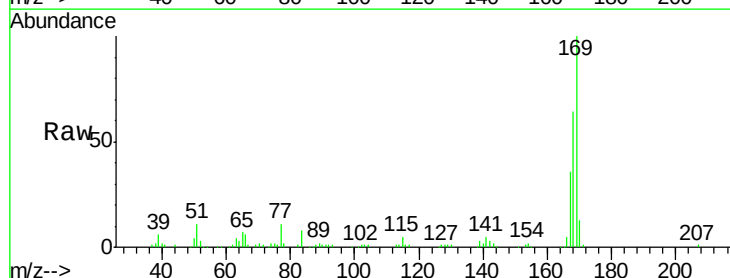
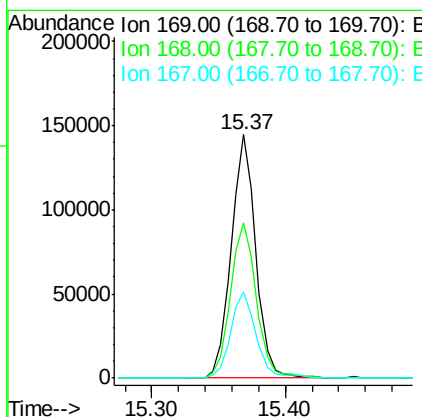
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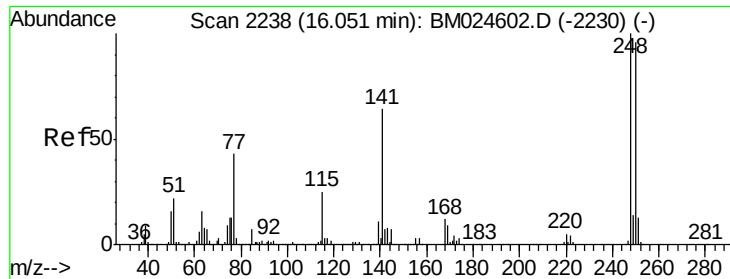
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#66
n-Nitrosodiphenylamine
Concen: 4.394 ng
RT: 15.37 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
169	100		
168	63.5	52.8	79.2
167	35.6	28.2	42.2





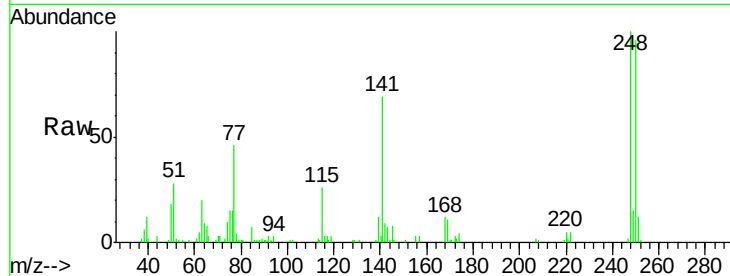
#67
 4-Bromophenyl-phenylether
 Concen: 4.296 ng
 RT: 16.05 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

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

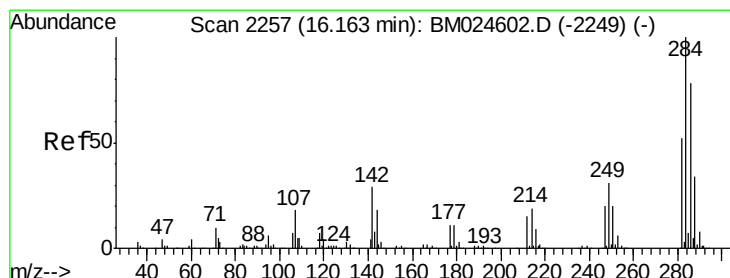
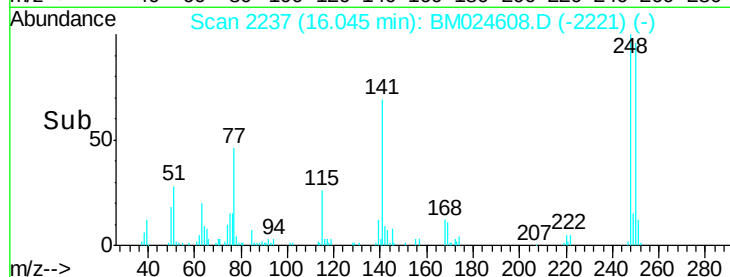
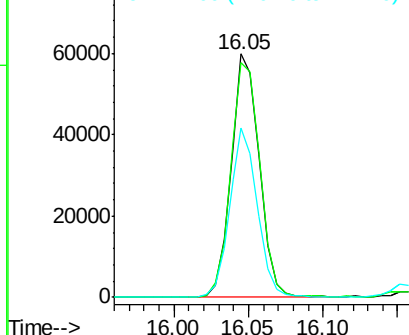
Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.0	115.6
141	69.5	50.9	76.3

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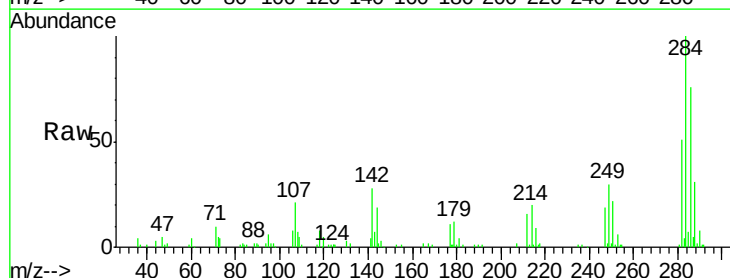


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

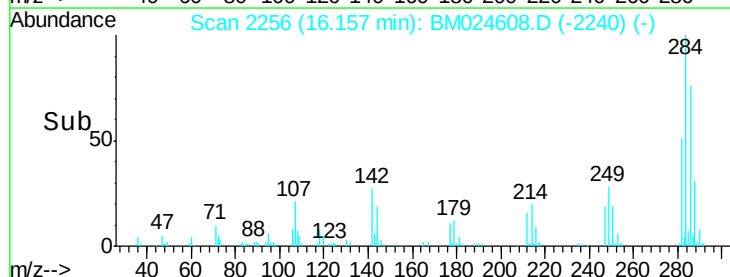
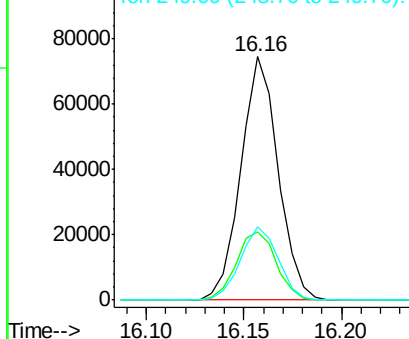


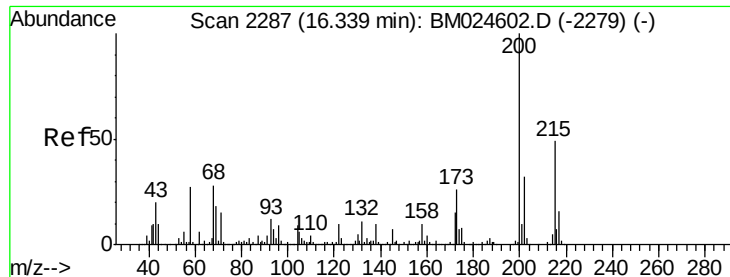
#68
 Hexachlorobenzene
 Concen: 4.662 ng
 RT: 16.16 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BM024608.D
 Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.1	23.5	35.3
249	30.3	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





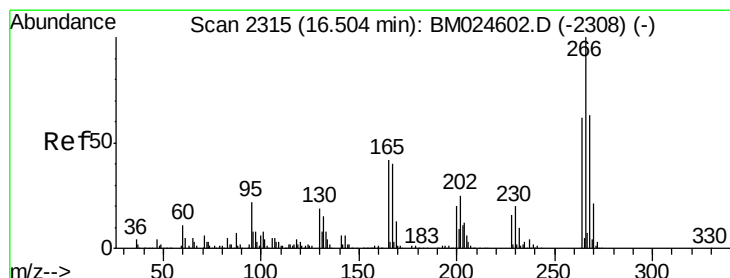
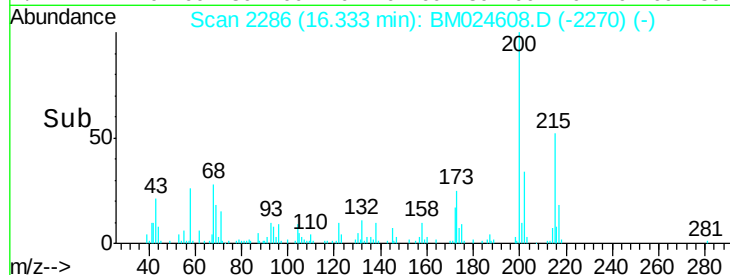
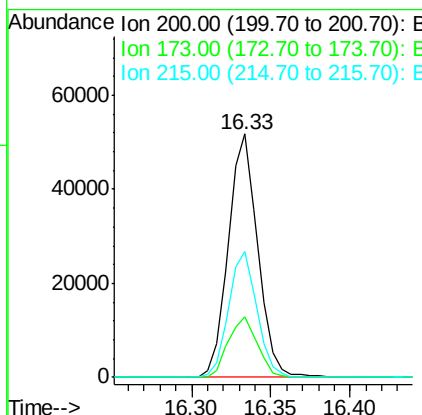
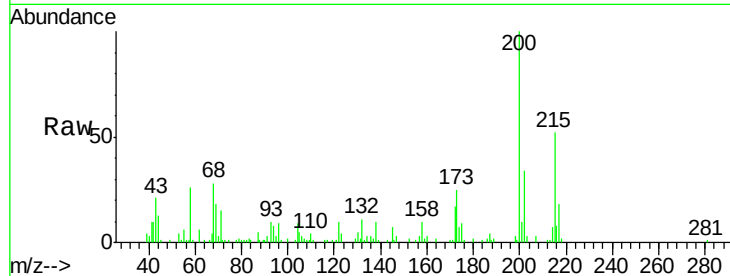
#69
Atrazine
Concen: 4.089 ng
RT: 16.33 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.5	45.5
215	51.7	29.4	69.4

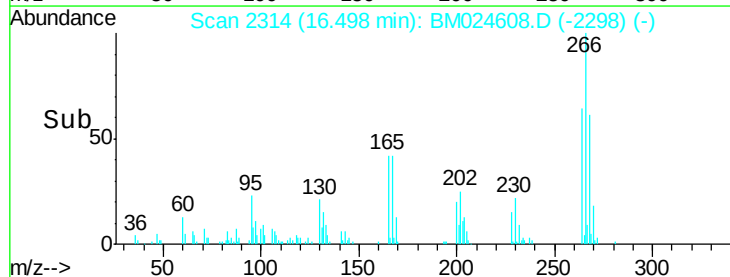
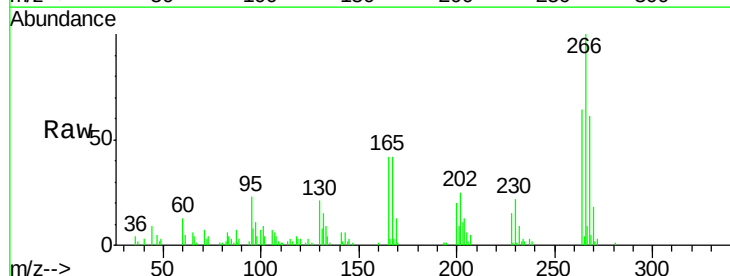
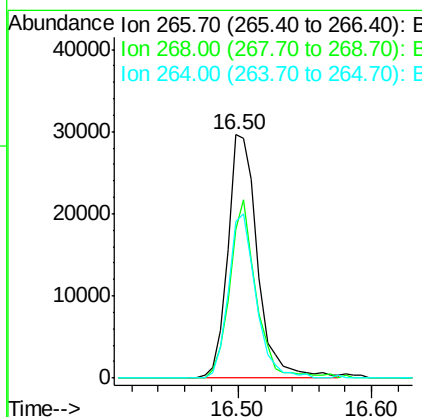
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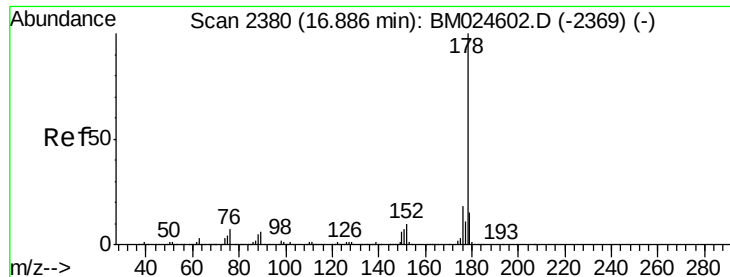
mohammad
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#70
Pentachlorophenol
Concen: 3.618 ng
RT: 16.50 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.9	50.4	75.6
264	64.3	49.9	74.9





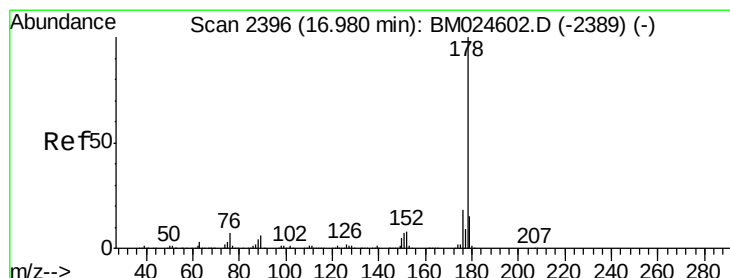
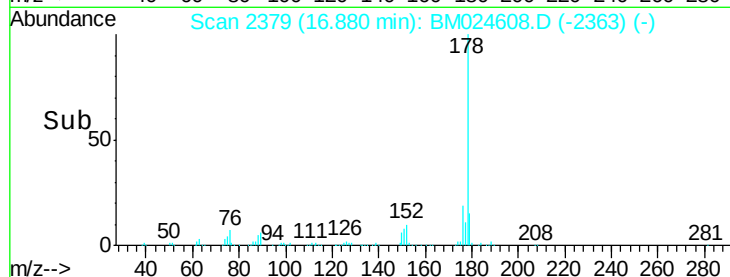
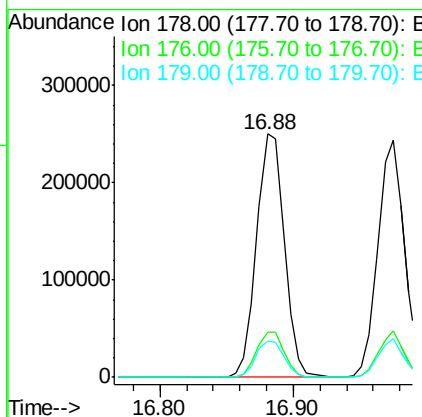
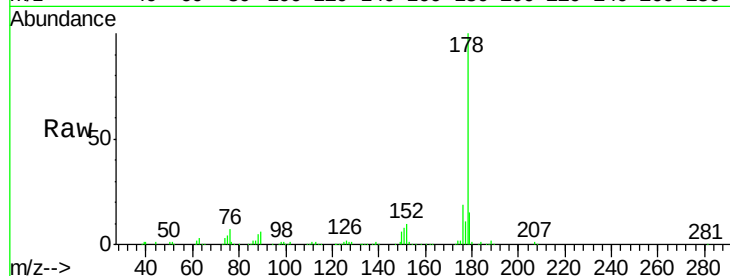
#71
Phenanthrene
Concen: 4.503 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	14.8	11.9	17.9

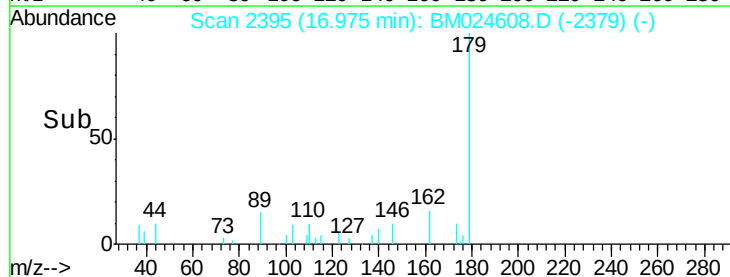
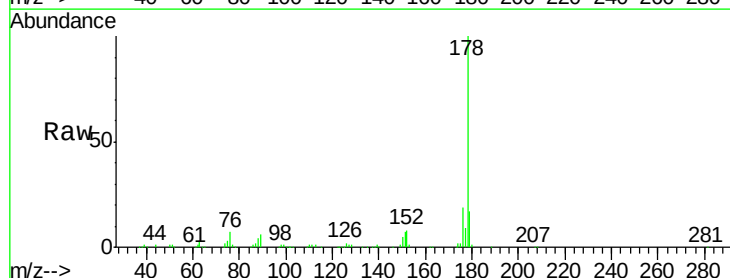
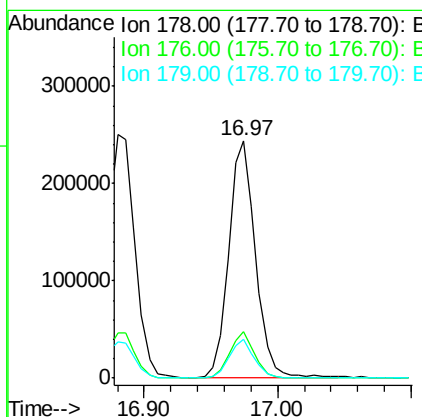
Manual Integrations
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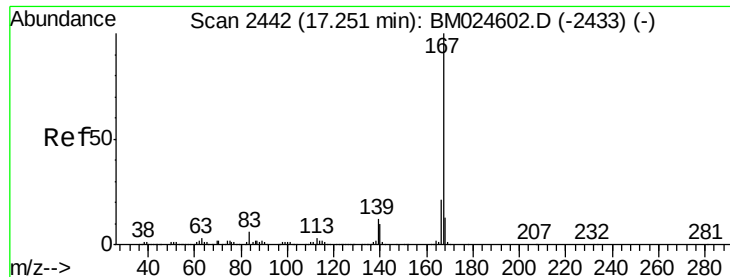
mohammad
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#72
Anthracene
Concen: 4.340 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.3	21.5
179	16.6	12.1	18.1





#73

Carbazole

Concen: 4.290 ng

RT: 17.25 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

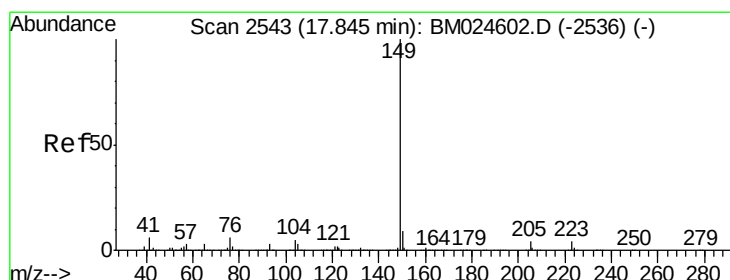
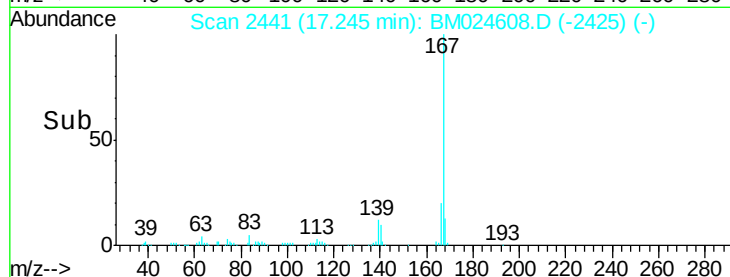
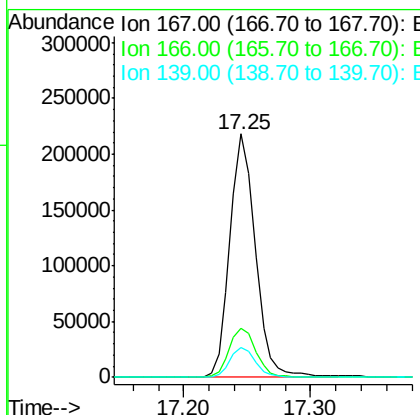
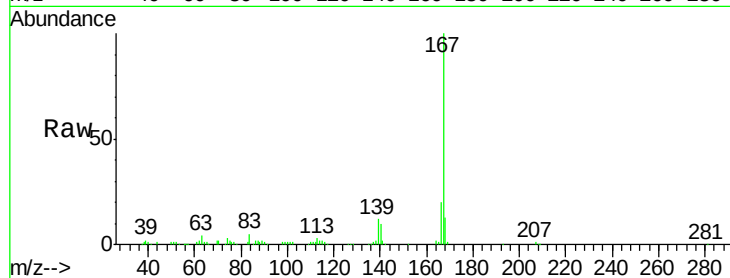
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	167	Resp:	305985
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.1	25.7
139	12.0	9.8	14.8

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#74

Di-n-butylphthalate

Concen: 4.007 ng

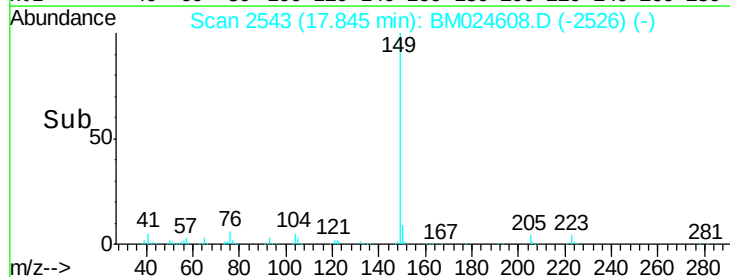
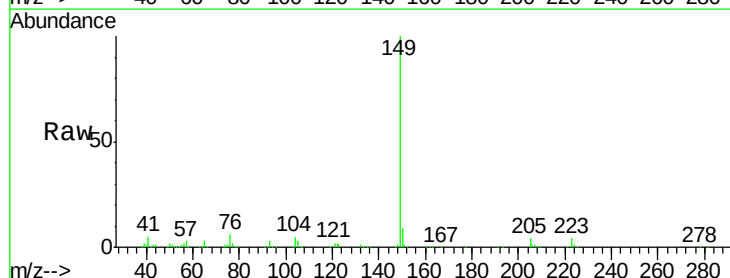
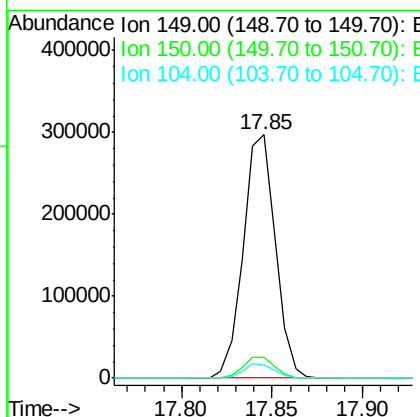
RT: 17.85 min Scan# 2543

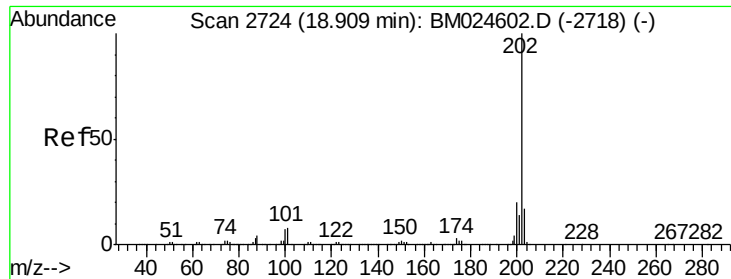
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	149	Resp:	365388
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.4	11.0
104	5.5	4.3	6.5





#75

Fluoranthene

Concen: 4.337 ng

RT: 18.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

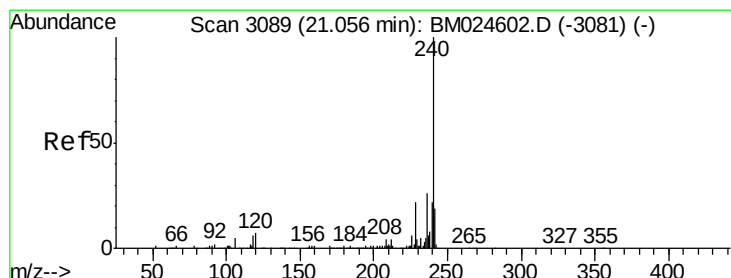
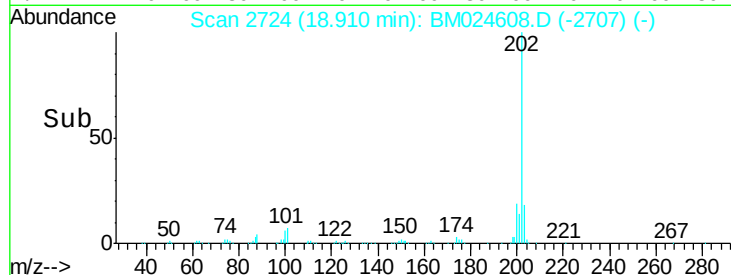
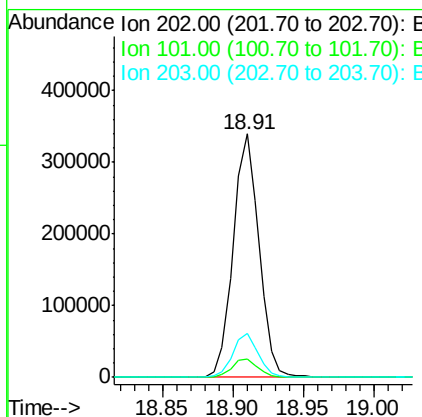
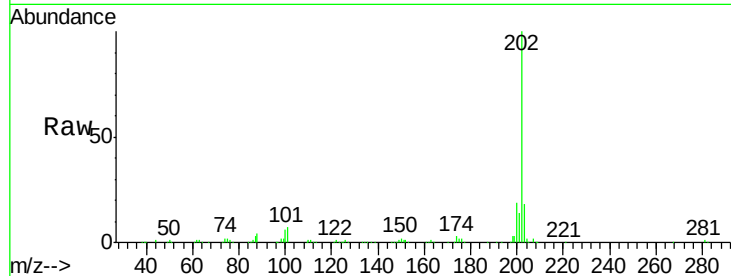
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	202	Resp:	433405
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	28.4
203	17.8	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

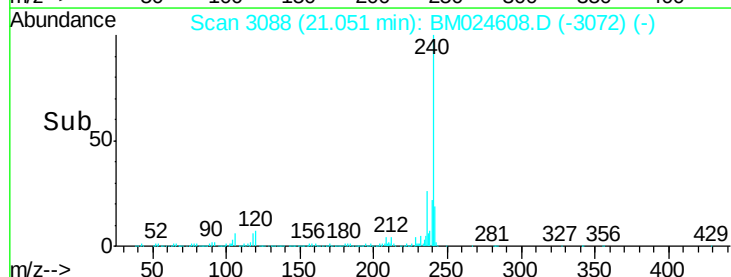
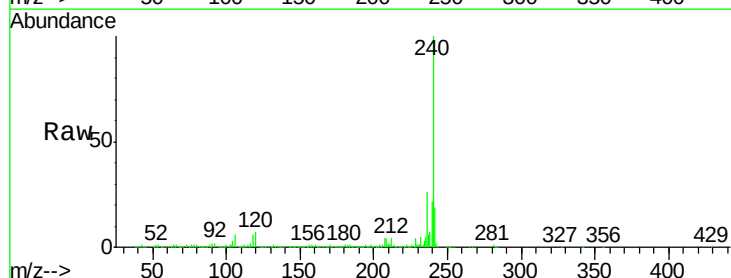
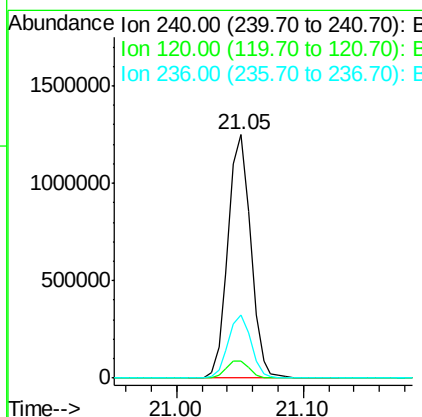
RT: 21.05 min Scan# 3088

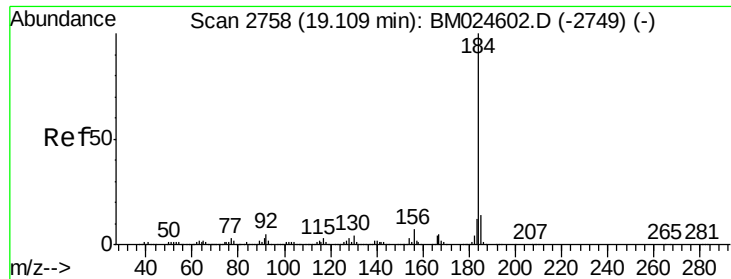
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	240	Resp:	1555608
Ion Ratio	Lower	Upper	
240	100		
120	6.9	5.3	7.9
236	25.7	20.6	31.0





#77

Benzidine

Concen: 3.349 ng

RT: 19.11 min Scan# 2758

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

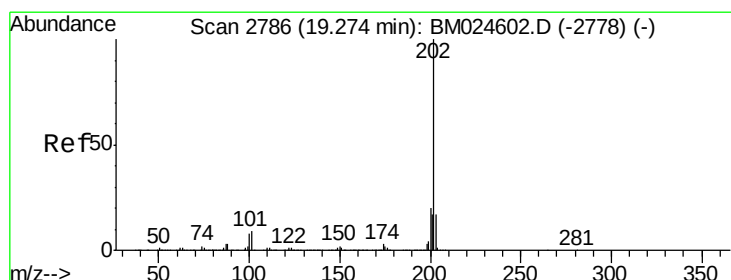
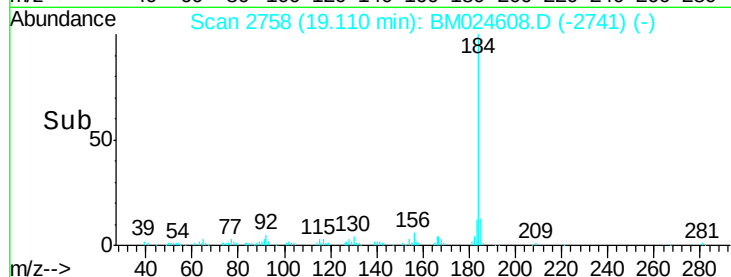
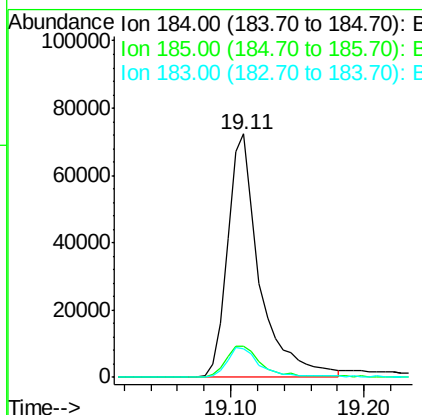
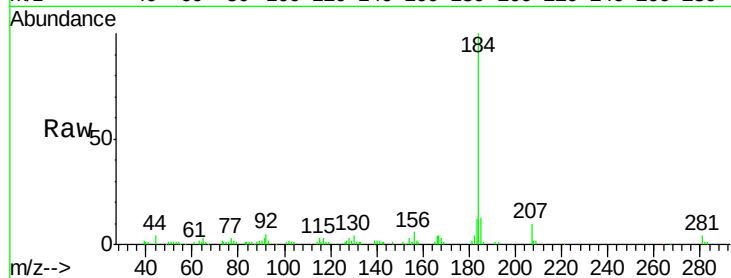
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	184	Resp:	121327
Ion Ratio	Lower	Upper	
184	100		
185	13.0	11.3	16.9
183	11.7	9.6	14.4

Manual Integrations
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mohammad
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#78

Pyrene

Concen: 4.389 ng

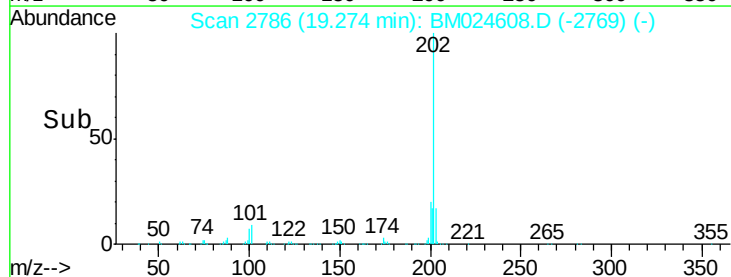
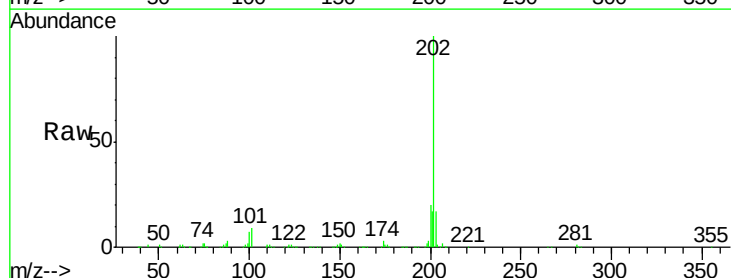
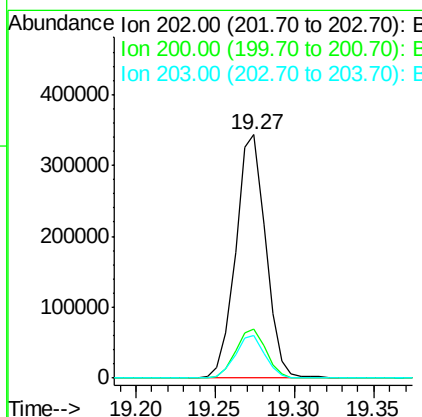
RT: 19.27 min Scan# 2786

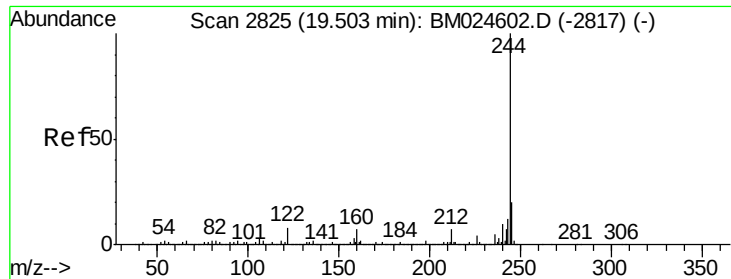
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	202	Resp:	450077
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.2	24.2
203	17.4	14.0	21.0





#79

Terphenyl-d14

Concen: 88.027 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:244 Resp: 7334935

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

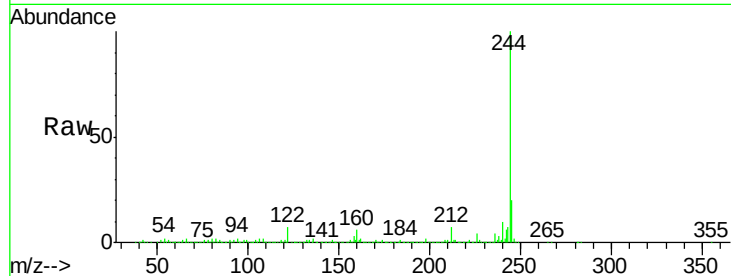
122 7.2 6.2 9.4

Manual Integrations

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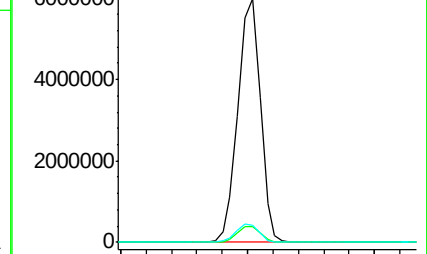
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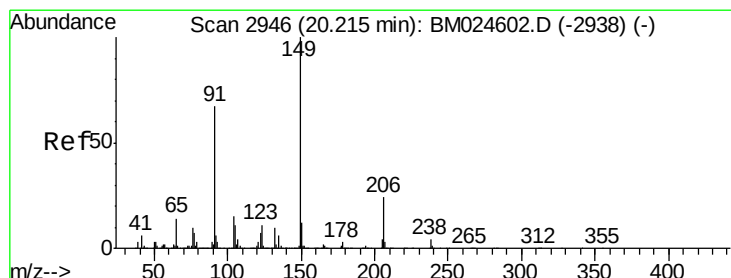
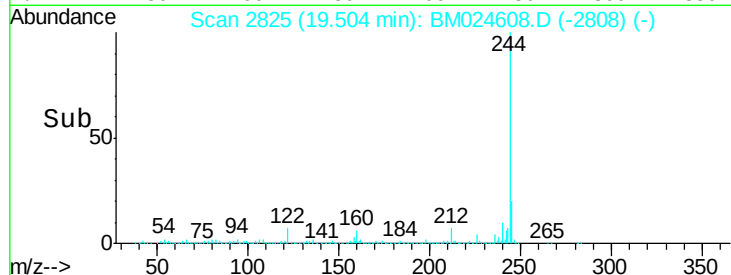
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.40 19.50 19.60



#80

Butylbenzylphthalate

Concen: 3.717 ng

RT: 20.21 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

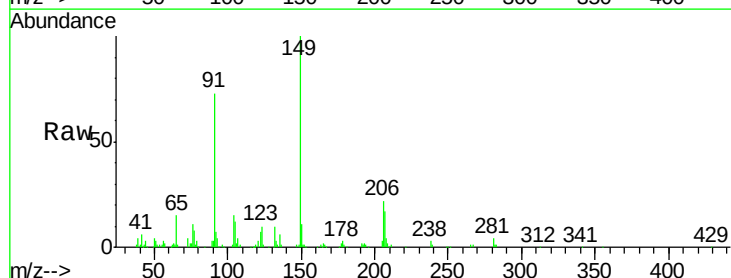
Tgt Ion:149 Resp: 159935

Ion Ratio Lower Upper

149 100

91 73.5 53.9 80.9

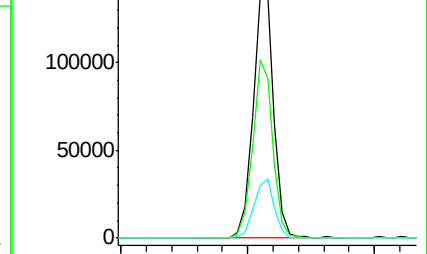
206 21.9 19.0 28.6



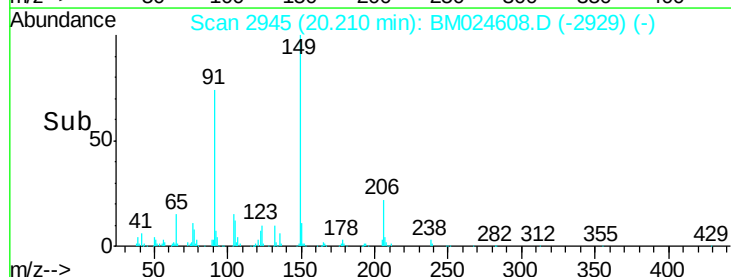
Abundance Ion 149.00 (148.70 to 149.70): E

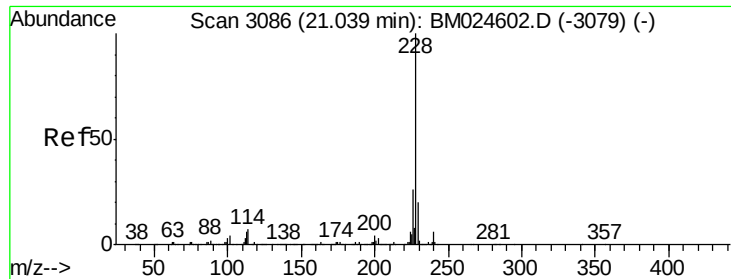
Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E



Time--> 20.10 20.20 20.30





#81

Benzo(a)anthracene

Concen: 4.555 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

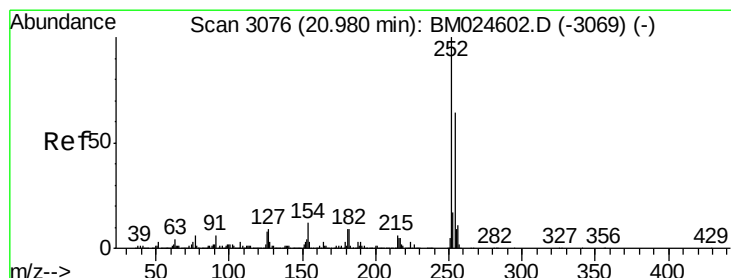
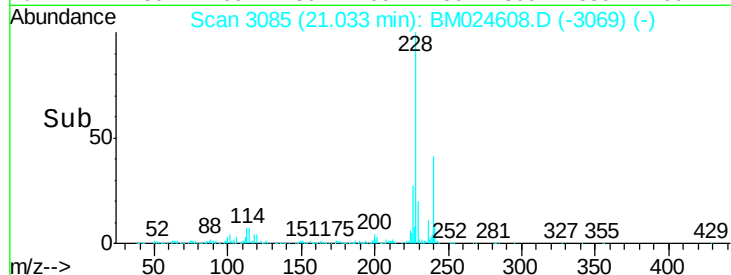
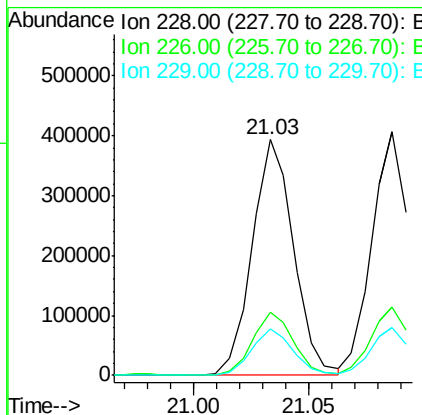
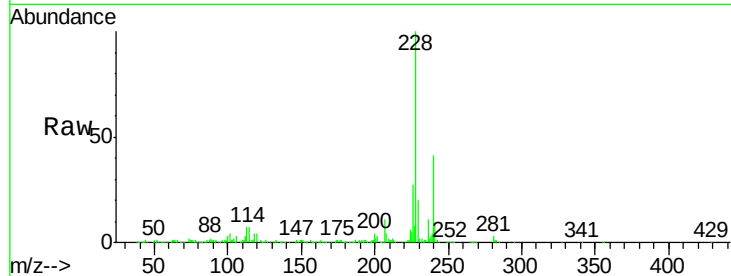
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	228	Resp:	491757
Ion Ratio	Lower	Upper	
228	100		
226	26.5	21.1	31.7
229	19.6	15.8	23.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 3.949 ng

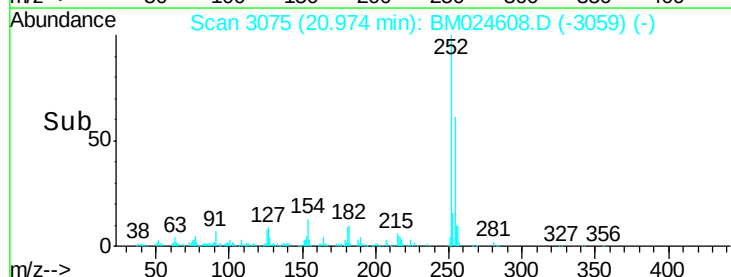
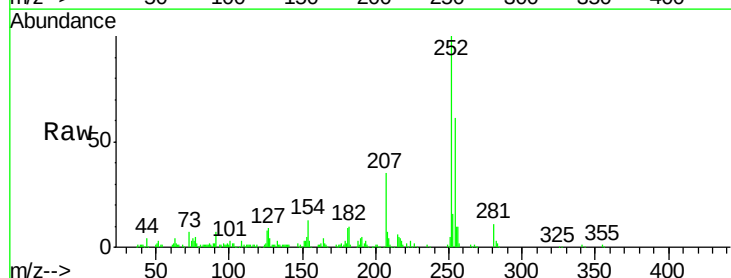
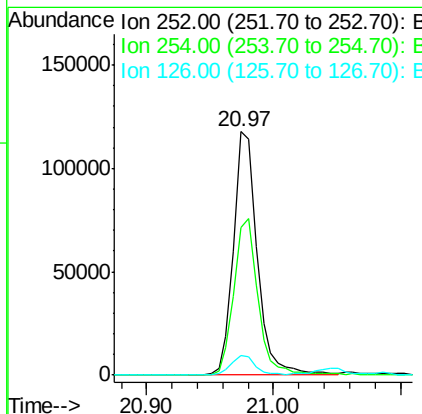
RT: 20.97 min Scan# 3075

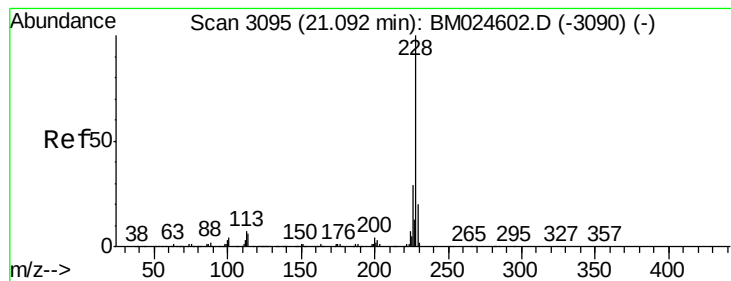
Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	252	Resp:	153369
Ion Ratio	Lower	Upper	
252	100		
254	60.5	51.5	77.3
126	8.1	6.7	10.1





#83

Chrysene

Concen: 4.569 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

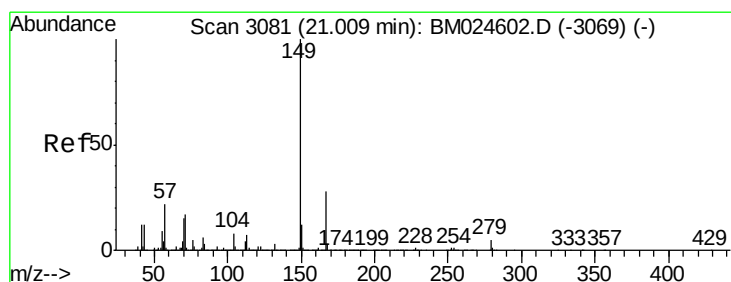
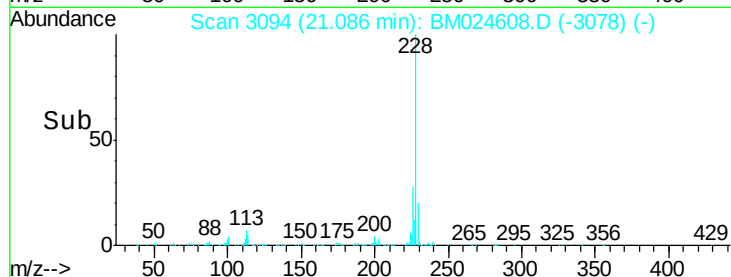
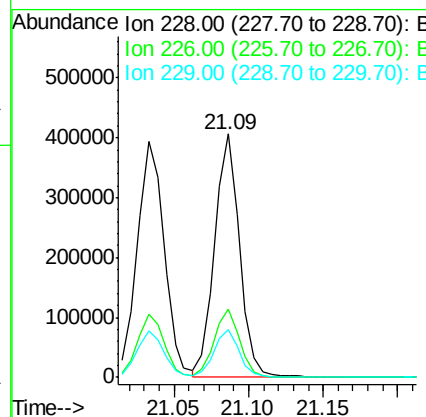
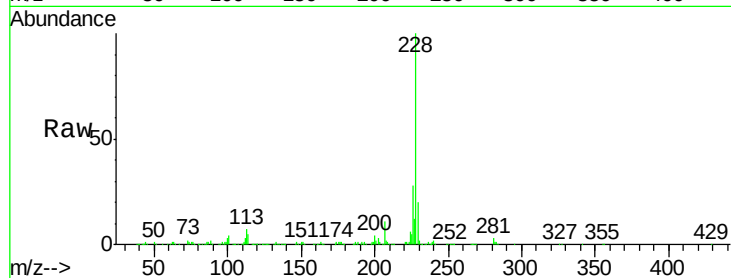
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	228	Resp:	470759
Ion Ratio	Lower	Upper	
228	100		
226	27.8	23.2	34.8
229	19.7	15.7	23.5

Manual Integrations
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1/24/2020 1:55:06 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.807 ng

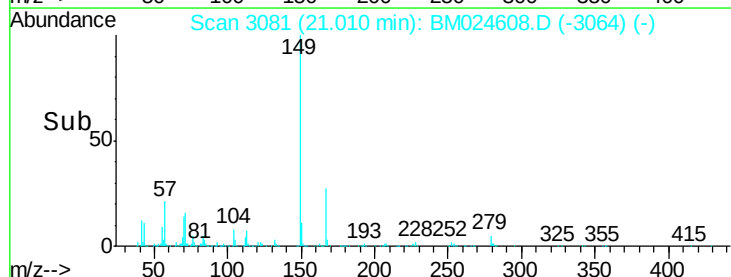
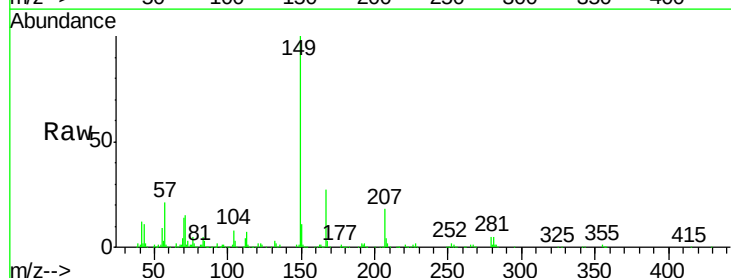
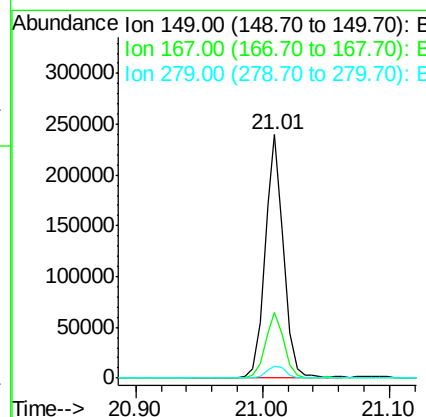
RT: 21.01 min Scan# 3081

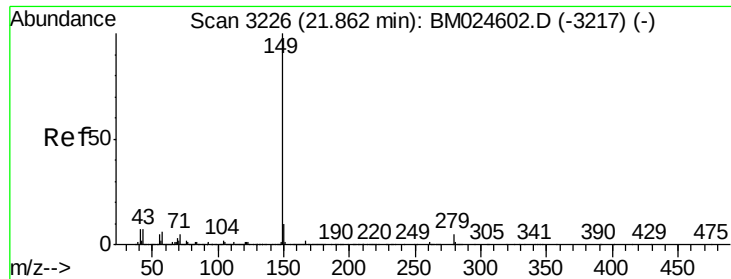
Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	149	Resp:	241713
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.5	33.7
279	4.7	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 3.695 ng

RT: 21.86 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

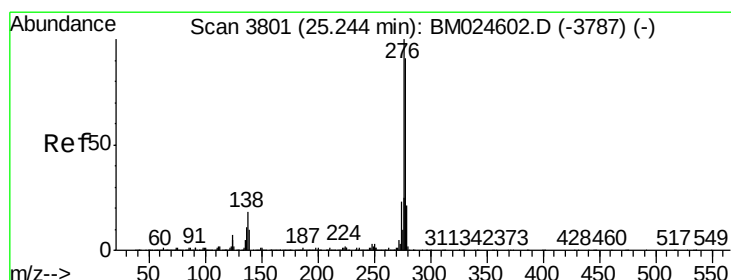
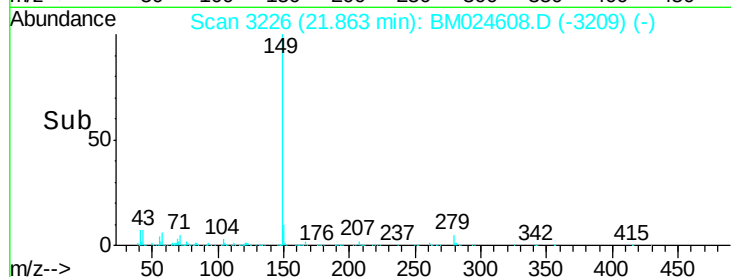
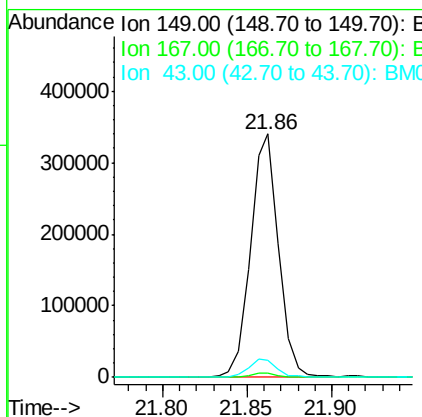
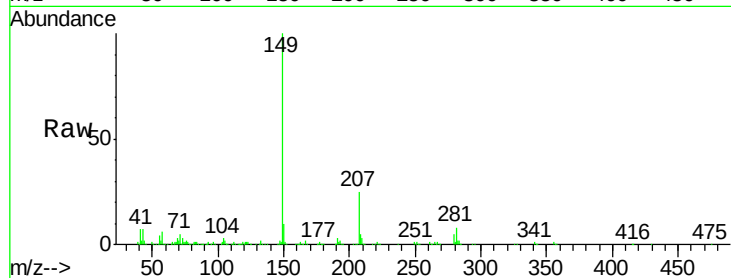
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	149	Resp:	387575
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	7.4	5.8	8.6

Manual Integrations
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mohammad
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#86

Indeno(1,2,3-cd)pyrene

Concen: 4.442 ng

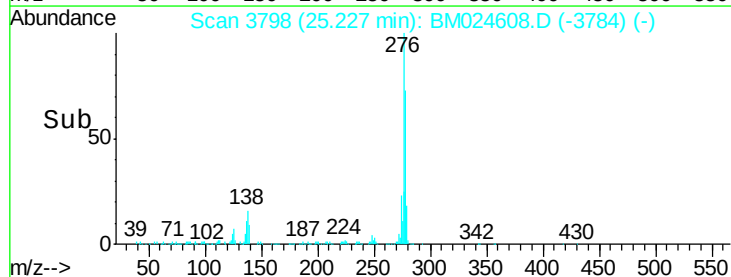
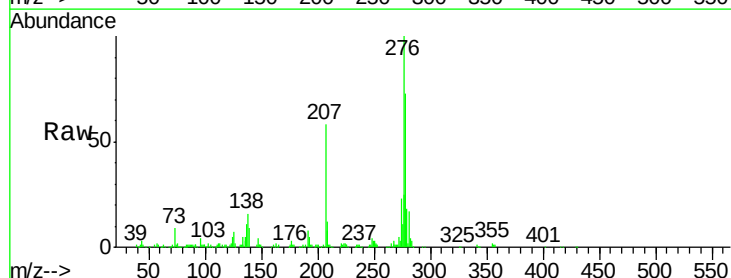
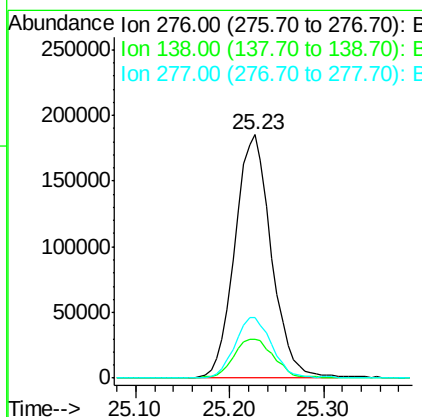
RT: 25.23 min Scan# 3798

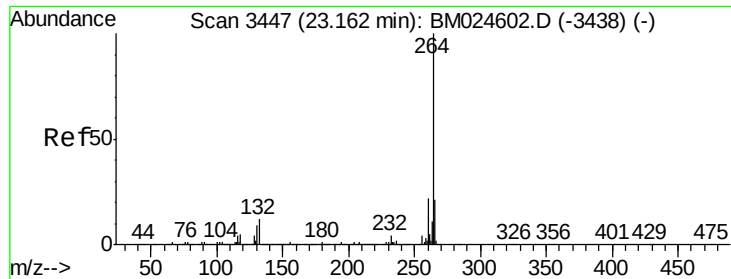
Delta R.T. -0.02 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion:	276	Resp:	498762
Ion Ratio	Lower	Upper	
276	100		
138	17.7	13.4	20.0
277	25.1	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: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:264 Resp: 1749328

Ion Ratio Lower Upper

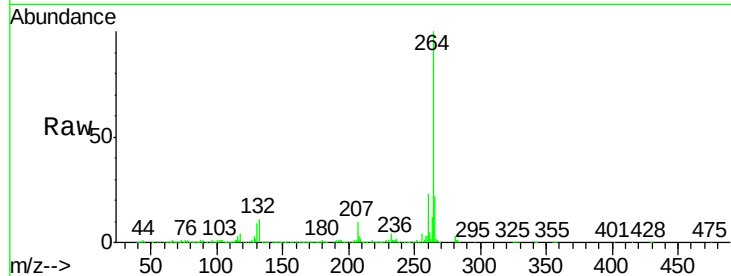
264 100

260 23.1 17.9 26.9

265 21.8 17.3 25.9

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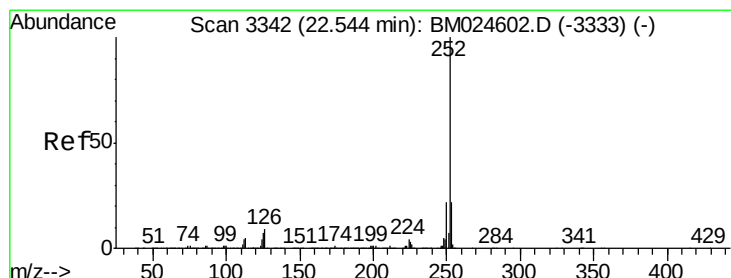
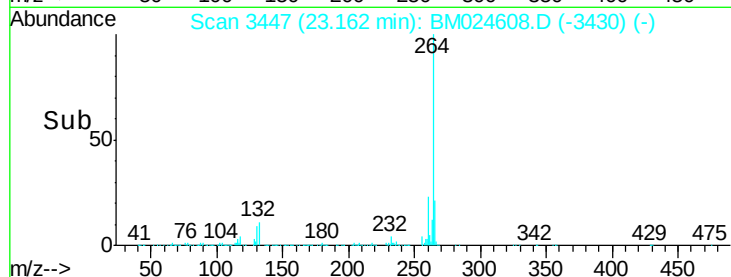
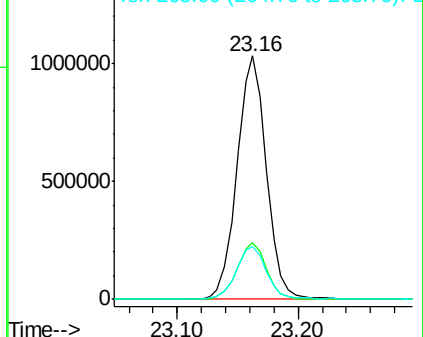
mohammad
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.332 ng

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

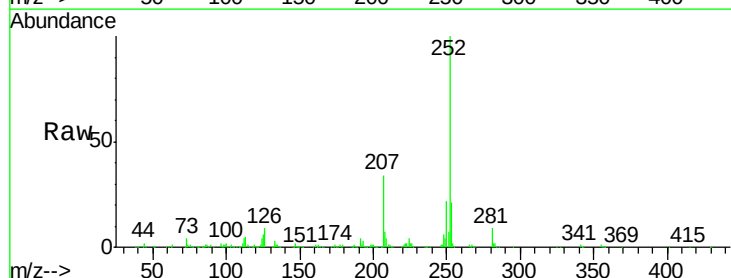
Tgt Ion:252 Resp: 491528

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

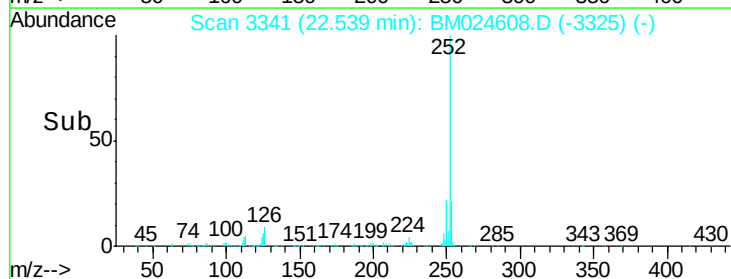
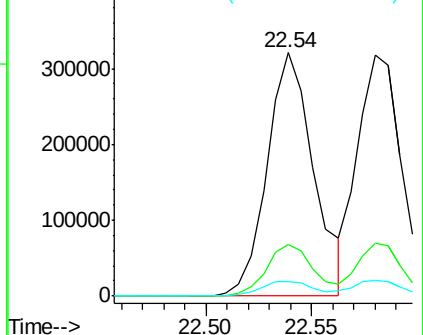
125 6.1 5.7 8.5

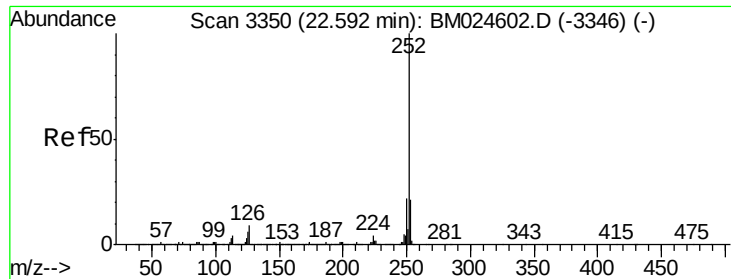


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





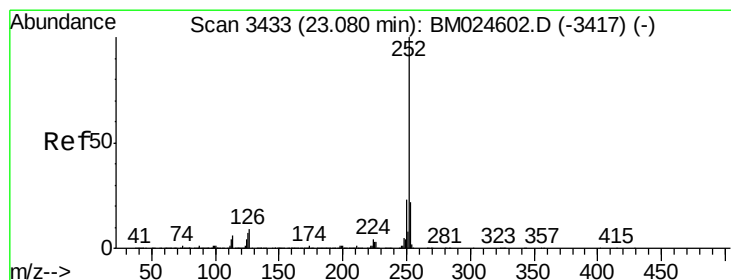
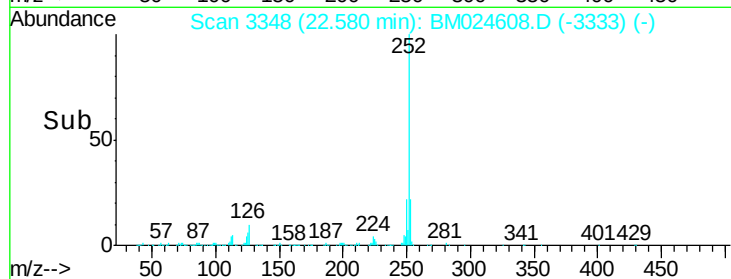
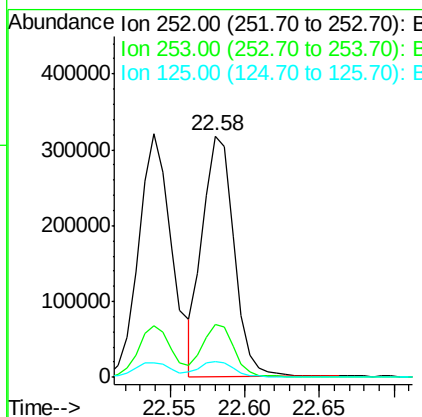
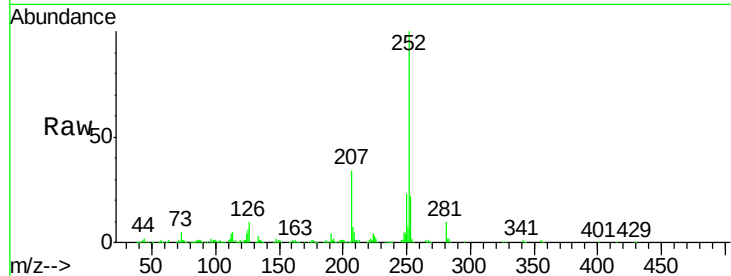
#89
Benzo(k)fluoranthene
Concen: 4.193 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	6.5	5.2	7.8

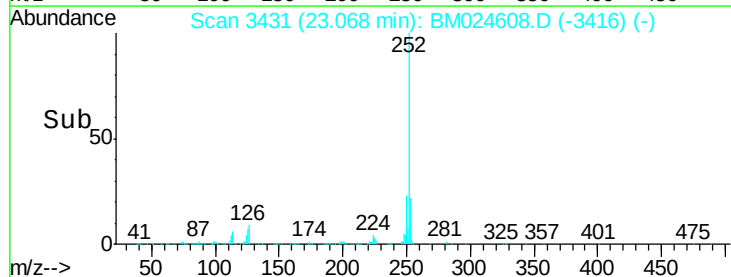
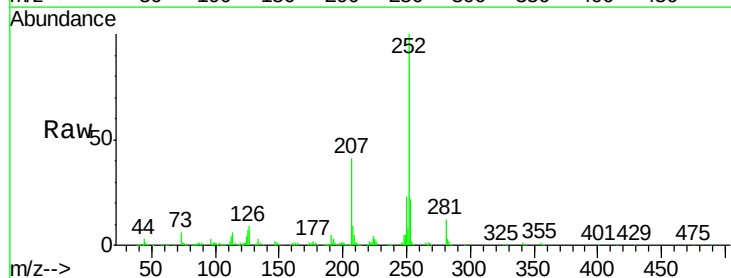
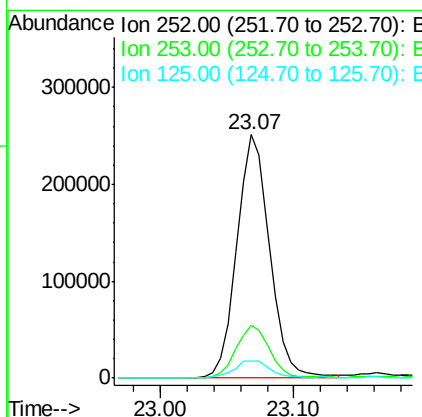
Manual Integrations
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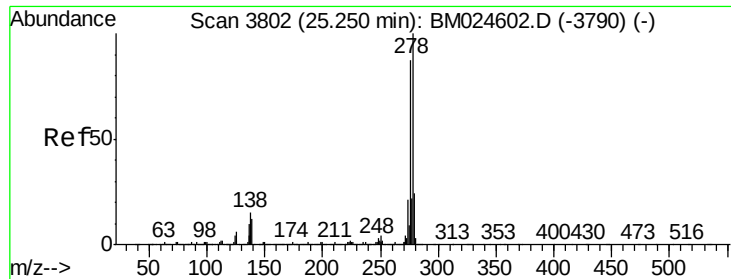
mohammad
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#90
Benzo(a)pyrene
Concen: 4.118 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024608.D
Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	7.3	5.8	8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.239 ng

RT: 25.24 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Instrument :

BNA_M

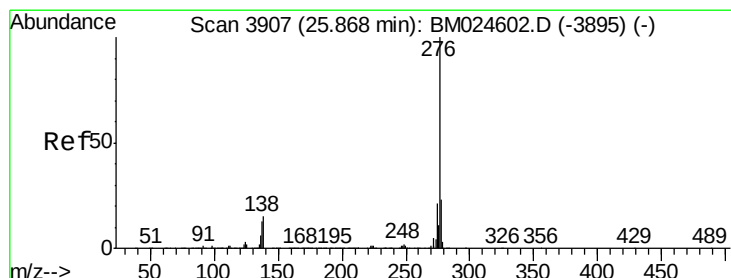
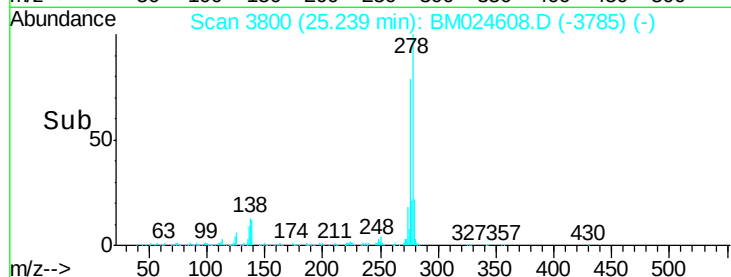
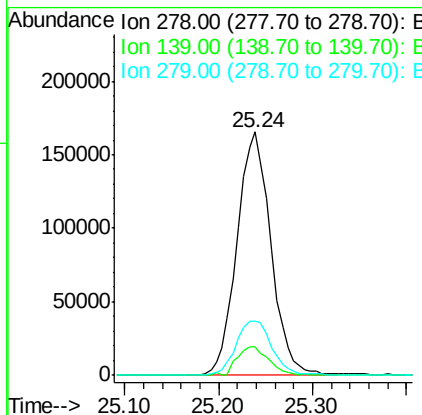
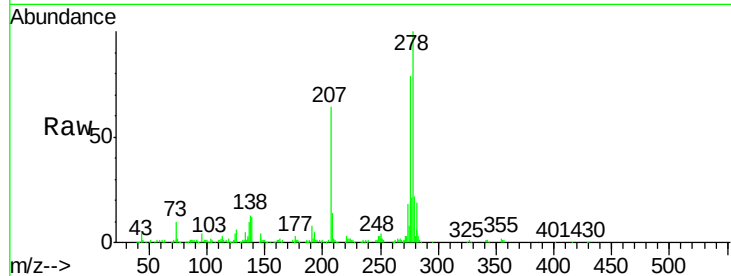
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.8	9.3	13.9
279	22.3	18.9	28.3

Manual Integrations
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mohammad
1/24/2020 1:55:06 PM



#92

Benzo(g,h,i)perylene

Concen: 4.288 ng

RT: 25.84 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM024608.D

Acq: 23 Jan 2020 15:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	14.8	11.9	17.9

